MAD

PROJECT ID: 3320-02-70

WITH: N/A

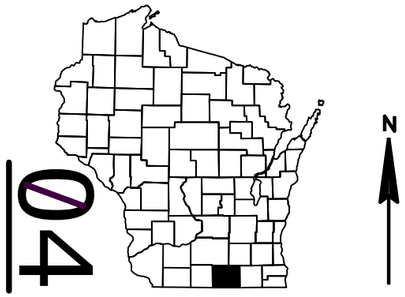
COUNTY: ROCK

JANUARY 2025

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 468



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

BERGEN - EMERALD GROVE

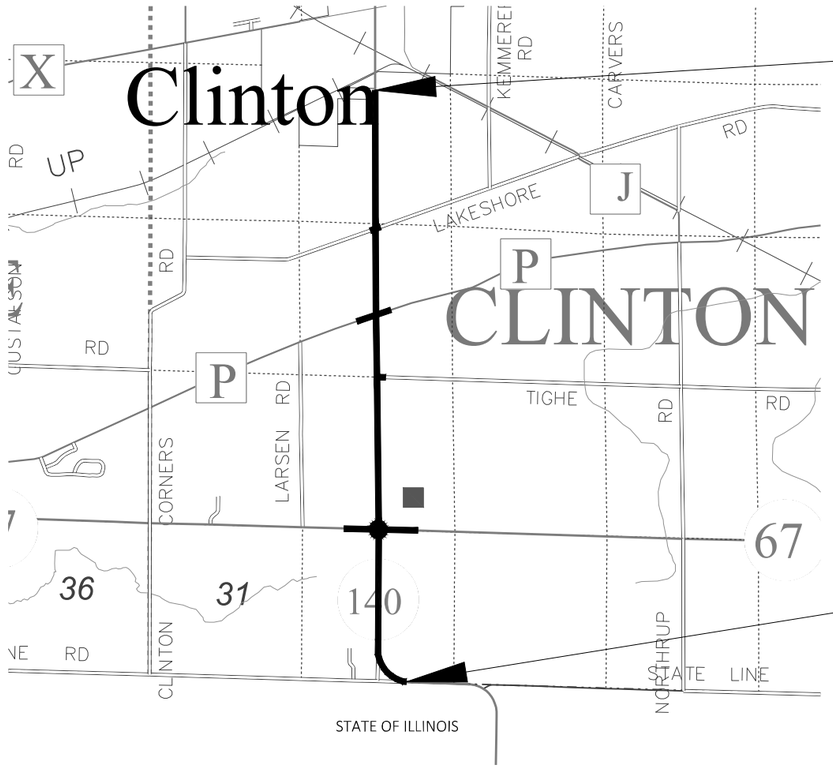
ILLINOIS STATE LINE TO V CLINTON

STH 140

ROCK COUNTY

STATE PROJECT NUMBER
3320-02-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3320-02-70	WISC 2024429	1



END PROJECT
STA 271+80.00
X: 535782.58
Y: 220630.98

T-1-N

BEGIN PROJECT
STA 60+50.00
X: 536793.27
Y: 200106.62

R-13-E | R-14-E

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 4.002 MILES

DESIGN DESIGNATION 3320-02-00

A.A.D.T.	2023	=	3300
A.A.D.T.	2043	=	3500
D.H.V.		=	20.3
D.D.		=	60/40
T.		=	22.1%
DESIGN SPEED		=	60 MPH
ESALS		=	1,600,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'ER')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ROCK COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY

JT ENGINEERING, INC Consultant Services

WISCONSIN JEDIDIAH J. MUNROE PE-39156 MADISON, WI PROFESSIONAL ENGINEER

DATE: 7-26-2024 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	JSD PROFESSIONAL SERVICES, INC
Designer	JEDIDIAH MUNROE, P.E. (JT ENGINEERING)
Project Manager	CHRIS HAZARD, P.E.
Regional Examiner	SW REGION
Regional Supervisor	JIM SIMPSON, P.E.

APPROVED FOR THE DEPARTMENT

DATE: _____ Chris Hazard (Signature)

Digitally signed by Chris Hazard
DN: C=US, E=chrishazel.hazard@dot.wi.gov, O=WISDOT, OU=SW, CN=Chris Hazard
Date: 2024.07.26 14:25:54-05'00'

E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\010101_TI.DWG PLOT DATE : 7/26/2024 9:18 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME :

ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
∠	ANGLE
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ASPH	ASPHALTIC
AVG	AVERAGE
BL or B/L	BASE LINE
BM	BENCH MARK
BR	BRIDGE
CB	CATCH BASIN
CC	CENTER TO CENTER
Δ	CENTRAL ANGLE OR DELTA
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CO	COUNTY
CTH	COUNTY TRUNK HIGHWAY
CR	CREEK
CR	CRUSHED
CABC	CRUSHED AGGREGATE BASE COURSE
CY or CUYD	CUBIC YARD
CULV	CULVERT
CP	CULVERT PIPE
CPCA	CULVERT PIPE CORRUGATED ALUMINUM
CPCS	CULVERT PIPE CORRUGATES STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
C & G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DIA	DIAMETER
DD	DIRECTIONAL DISTRIBUTION
DISCH	DISCHARGE
DWY	DRIVEWAY
E	EAST
EB	EASTBOUND
ELEC	ELECTRIC (AL)
EL or ELEV	ELEVATION
EW	ENDWALL
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
ERW	EXISTING RIGHT OF WAY
EXIST	EXISTING
EXP	EXPANSION
FERT	FERTILIZE
FE	FIELD ENTRANCE
F	FILL
FG	FINISHED GRADE
FAB	FLASHING ARROW BOARD
FL or F/L	FLOW LINE
FT	FOOT
HT	HEIGHT
HES	HIGH EARLY STRENGTH
H	HOUSE
CWT	HUNDREDWEIGHT
HYD	HYDRANT
IN DIA	INCH DIAMETER
INL	INLET
ID	INSIDE DIAMETER
INTERS	INTERSECTION
I	INTERSECTION ANGLE
INV	INVERT
IP	IRON PIPE OR PIN
JT	JOINT
LT	LEFT
L	LENGTH OF CURVE
LIN FT or LF	LINEAR FOOT
LS	LUMP SUM
MAINT	MAINTENANCE
MH	MANHOLE
M	MARSH
ML or M/L	MATCH LINE
MATL	MATERIAL
MB	MESSAGE BOARD
NOM	NOMINAL
NC	NORMAL CROWN
N	NORTH
NB	Northbound
OD	OUTSIDE DIAMETER
PAVT	PAVEMENT
PERM	PERMANENT
PU	PIPE UNDERDRAIN
PUU	PIPE UNDERDRAIN UNPERFORATED
PUW	PIPE UNDERDRAIN WRAPPED
PT	POINT
PCC	POINT OF COMPOUND CURVE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
POC	POINT ON CURVE
POT	POINT ON TANGENT
PCC	PORTLAND CEMENT CONCRETE
LB	POUND
PE	PRIVATE ENTRANCE
PL	PROPERTY LINE
PRW	PROPOSED RIGHT OF WAY
R	RADIUS
RL or R/L	REFERENCE LINE
RP	REFERENCE POINT
REBAR	REINFORCEMENT BAR
REINF	REINFORCING OR REINFORCEMENT
REL	RELOCATE(D)
REQD	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RT	RIGHT
R/W	RIGHT-OF-WAY
R	RIVER
RD	ROAD
RDWY	ROADWAY
SALV	SALVAGED
SEC	SECTION
SHLDR	SHOULDER
S	SOUTH
SB	SOUTHBOUND
SI	SLOPE INTERCEPT
SPECS	SPECIFICATIONS
SQ	SQUARE
SF or SQ FT	SQUARE FEET
SY or SQ YD	SQUARE YARD
STD	STANDARD
SDD	STANDARD DETAIL DRAWINGS
STH	STATE TRUNK HIGHWAYS
STA	STATION
SS	STORM SEWER
STR	STRUCTURE OR STRUCTURAL
SE	SUPERELEVATION
SURF	SURFACE
SL or S/L	SURVEY LINE
T	TANGENT
TEL	TELEPHONE
TEMP	TEMPORARY
TPM	TEMPORARY PAVEMENT MARKING
T	TON
TC	TOP OF CURB
T or TN	TOWN
TRANS	TRANSITION
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
UG	UNDERGROUND
USH	UNITED STATES HIGHWAY
VAR	VARIABLE
V	VELOCITY OF DESIGN SPEED
VERT	VERTICAL
VC	VERTICAL CURVE
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
VOL	VOLUME
W	WATER OR WELL
WM	WATER MAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
YD	YARD

UTILITY CONTACTS

ELECTRICITY

ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION
RYAN STREHLOW
2485 RINDEN ROAD
COTTAGE GROVE, WI 53527
PHONE: (608) 215-7800
EMAIL: RSTREHLOW@ATCLLC.COM

ELECTRICITY

ALLIANT ENERGY
NICHOLAS DACHNIWSKYJ
935 WBR TOWNLINE ROAD
BELOIT, WI 53511
PHONE: (608) 364-6566
EMAIL: NICHOLASDACHNIWSKYJ@ALLIANTENERGY.COM

GAS/PETROLEUM

WE ENERGIES
SPENSER DOONER
700 S KANE STREET
BURLINGTON, WI 53105
PHONE: (262) 763-1083
EMAIL: SPENSER.DOONER@WE-ENERGIES.COM

COMMUNICATION

BERGEN TELEPHONE COMPANY
JAMES SHEPPARD
105 PLAIN ST
P.O. BOX 400
SHARON, WI 53585
PHONE: (262) 736-9981
EMAIL: KENNY@SHARONTELEPHONE.COM

COMMUNICATIONS

FRONTIER COMMUNICATIONS OF WI LLC
CHRISTOPHER POLLACK
421 4TH STREET
WAUSAU, WI 54403
PHONE: (715) 847-1240
EMAIL: CHRISTOPHER.POLLACK@FTR.COM

ELECTRICITY

ROCK ENERGY COOPERATIVE
AARON RECHLIN
2815 KENNEDY RD
P.O. BOX 1758
JANESVILLE, WI 53547
PHONE: (608) 531-6562
EMAIL: AARONR@ROCK.COOP

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

PLACE SALVAGED TOPSOIL OR TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED, MULCH AND FERTILIZE ALL AREAS 5 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL OR TOPSOIL.

EROSION CONTROL ITEMS IN THE MISCELLANEOUS QUANTITIES ARE SUGGESTED. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. MAINTAIN EROSION CONTROL ITEMS UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. PROTECT WETLANDS AND OTHER WATERWAYS THAT ARE PRESENT WITHIN THE PROJECT LIMITS.

4-INCH HMA PAVEMENT SHALL BE CONSTRUCTED WITH AN 1.75-INCH UPPER LAYER (4MT 58-28S) AND 2.25-INCH LOWER LAYER (3MT 58-28S).

5.5-INCH HMA PAVEMENT SHALL BE CONSTRUCTED WITH AN 2.5-INCH UPPER LAYER (4MT 58-28S) AND 3-INCH LOWER LAYER (3MT 58-28S).

6-INCH HMA PAVEMENT SHALL BE CONSTRUCTED WITH AN 2.5-INCH UPPER LAYER (4MT 58-28H) AND 3.5-INCH LOWER LAYER (3MT 58-28S).

APPLY TACK COAT AT A RATE OF 0.07 gal/SY TO MILLED PAVEMENT SURFACES AND EXISTING PAVEMENT SURFACES AND 0.05 gal/SY BETWEEN LAYERS OF NEW HMA PAVEMENT.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE.THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

STORAGE OF ANY EQUIPMENT OR MATERIAL WILL NOT BE PERMITTED IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS, OR WATERWAYS.

WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.

EXACT LOCATIONS AND WIDTHS OF DRIVEWAYS AND PRIVATE FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PRIOR TO THE PLACEMENT OF THE BEAM GUARD AND BEAM GUARD TERMINALS, THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED.

NEW FACILITY OWNER

BUG TUSSEL WIRELESS, LLC
TOM LIEBERHERR
417 PINE STREET
GREEN BAY, WI 54301
PHONE: (920) 366-1735
EMAIL: TOM.LIEBERHERR@BTUSSEL.COM

DESIGN CONTACTS

WISDOT PROJECT MANAGER

CHRIS HAZARD, P.E.
2101 WRIGHT STREET
MADISON, WI 53704
PHONE: (608) 245-2662
EMAIL: CHRISTOPHER.HAZARD@DOT.WI.GOV

DESIGNER - JT ENGINEERING

JEDIDIAH MUNROE, P.E.
281 W. NETHERWOOD, SUITE 1
OREGON, WI 53575
PHONE: (608) 204-0909
EMAIL: JEDM@JT-ENGINEERING.COM

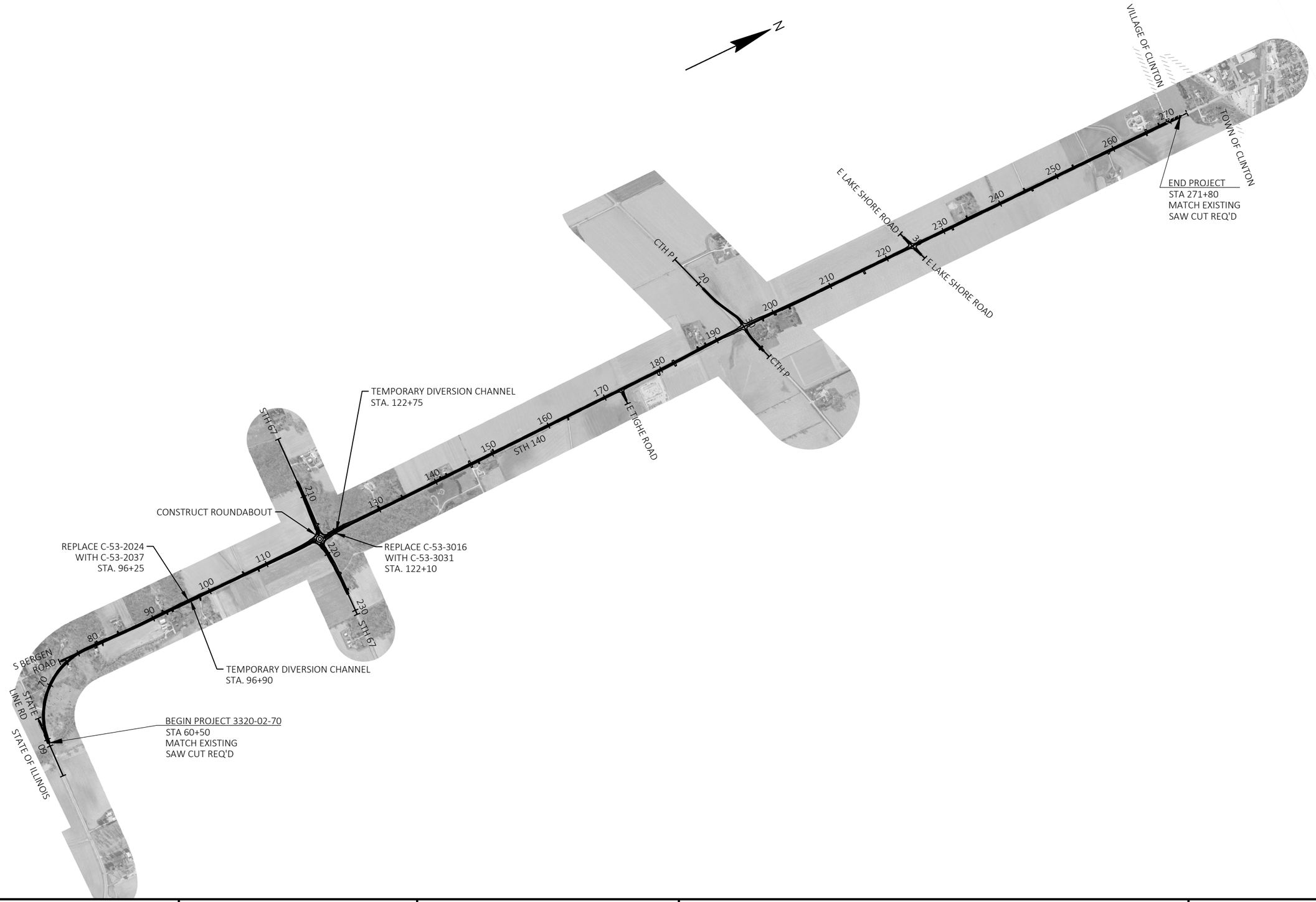
SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
SIGNING REMOVALS
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING
DETOUR PLAN
ALIGNMENT DETAILS

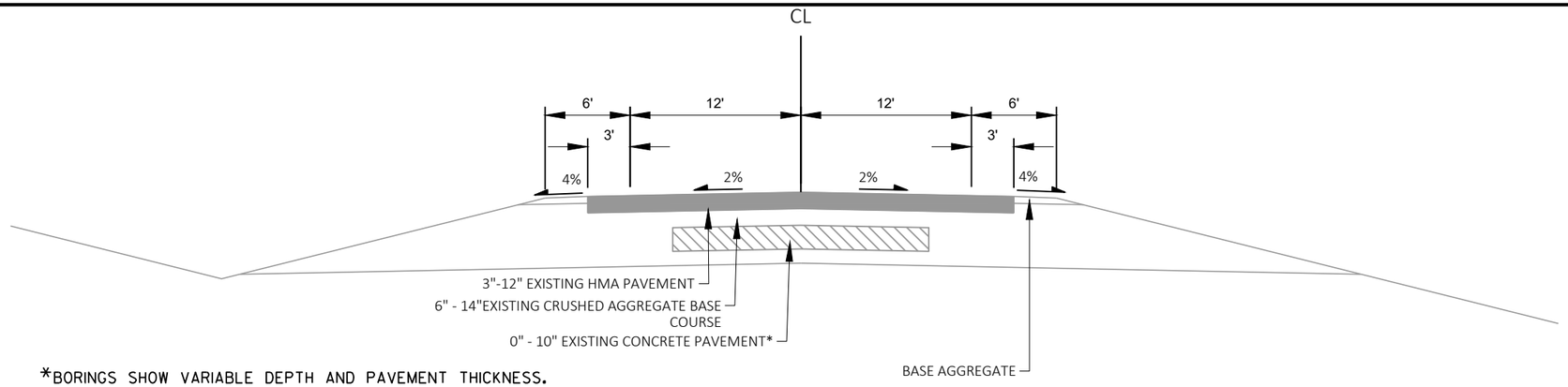
DNR CONTACT

DNR SOUTH CENTRAL REGION
SHELLEY NELSON
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 444-2835
EMAIL: SHELLEY.NELSON@WISCONSIN.GOV

2



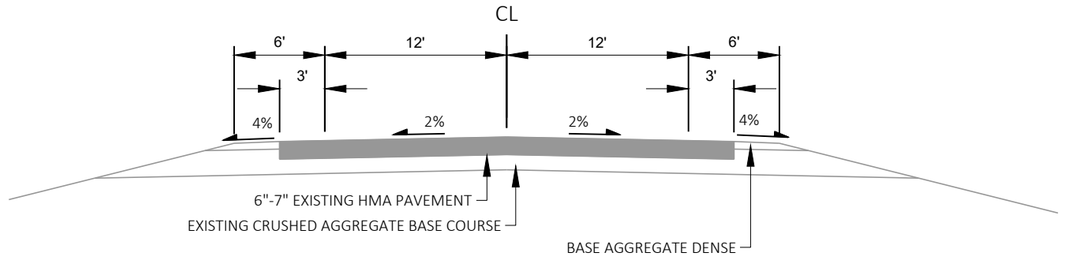
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PROJECT OVERVIEW	SHEET 3	E



*BORINGS SHOW VARIABLE DEPTH AND PAVEMENT THICKNESS. SEE CONSTRUCTION DETAILS FOR MORE ESTIMATED CONCRETE REMOVAL LIMITS. FIELD VERIFY ALL LOCATIONS.

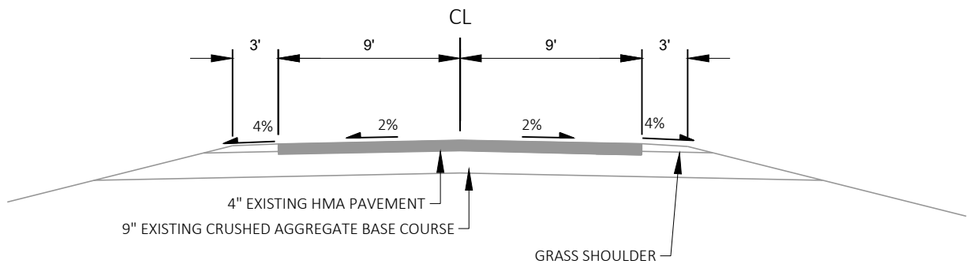
EXISTING TYPICAL SECTION - STH 140

STA 60+50 - STA 271+90



EXISTING TYPICAL SECTION - STH 67

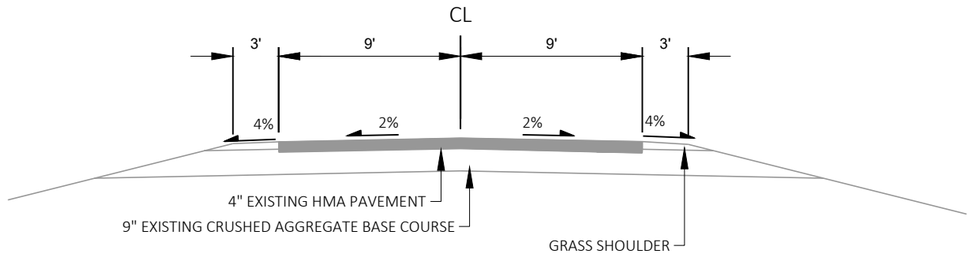
STA 207+35 'EB' - STA 227+18



EXISTING TYPICAL SECTION - STATE LINE RD

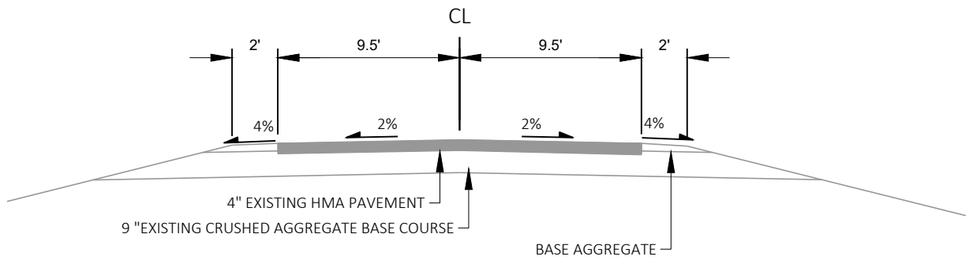
STA 10+34 'ST' - STA 12+68 'ST'

2



EXISTING TYPICAL SECTION - BERGEN RD

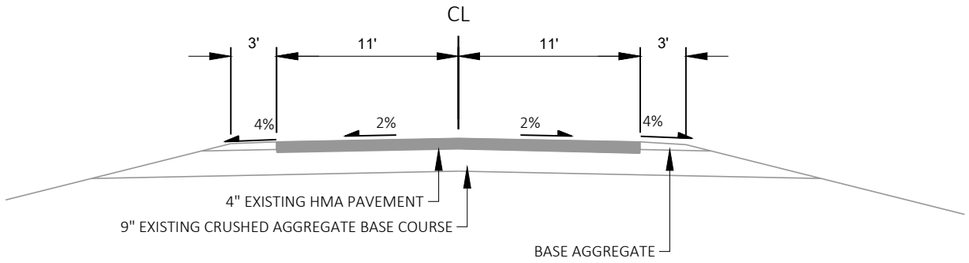
STA 10+28 'B' - 13+17 'B'



EXISTING TYPICAL SECTION - TIGHE RD

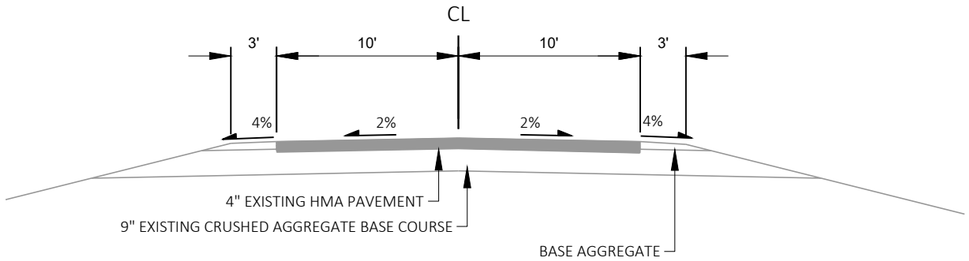
STA 30+00 'T' - 32+00 'T'

2



EXISTING TYPICAL SECTION - CTH P

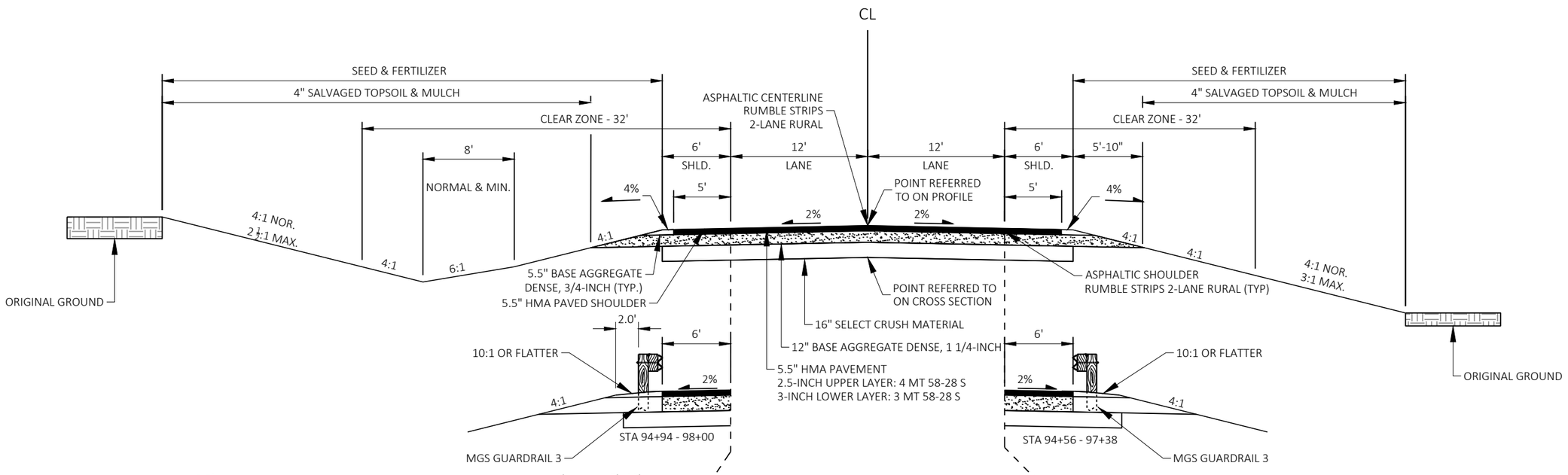
STA 21+00 'P' - 35+00 'P'



EXISTING TYPICAL SECTION - LAKESHORE RD

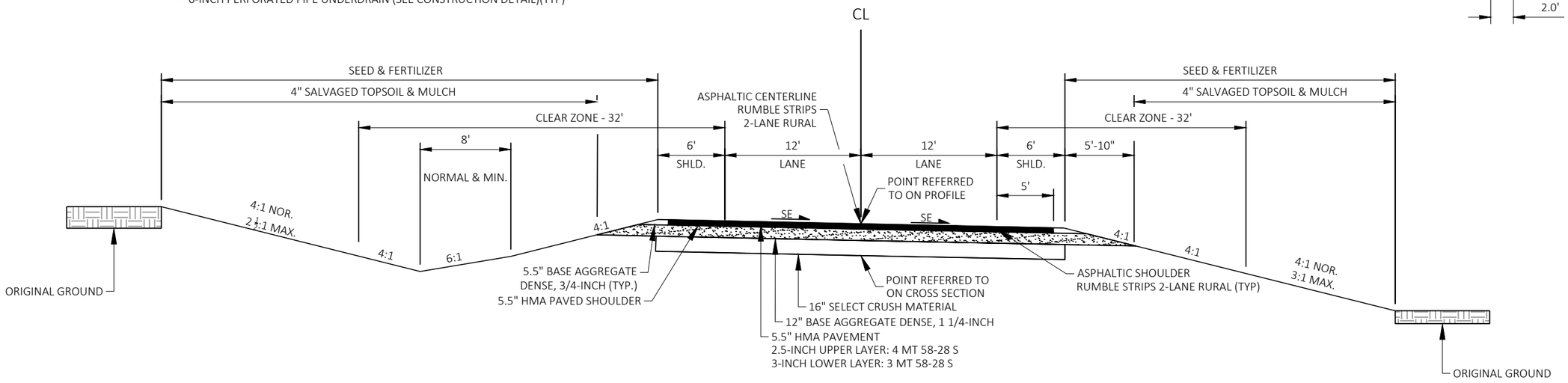
STA 28+00 'LS' - 32+00 'LS'

2



FINISHED TYPICAL SECTION - STH 140

STA 79+78 - 110+42
STA 128+14 - 271+90



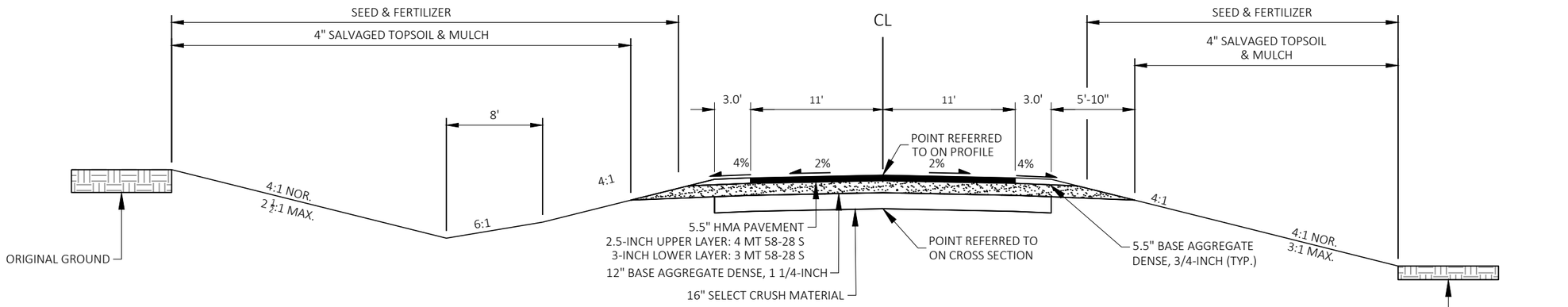
FINISHED TYPICAL SECTION - STH 140

STA 60+50 - 79+78

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	TYPICAL SECTIONS - PROPOSED	SHEET 7	E

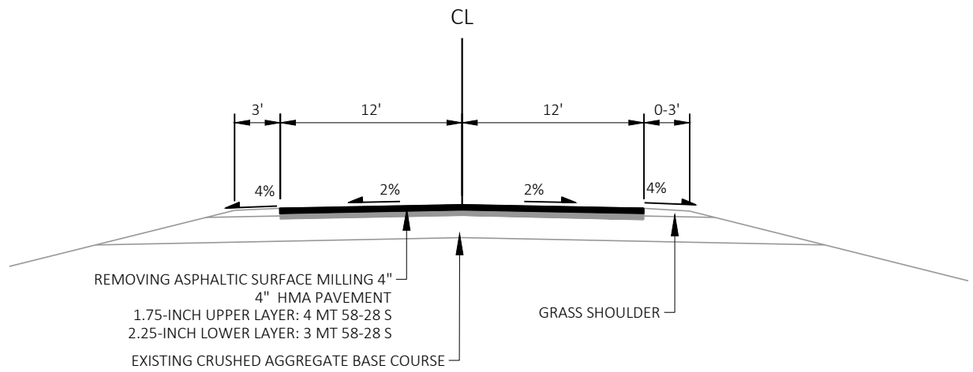
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020302-ts 1in-10ft
PLOT DATE : 11/18/2024 4:55 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



FINISHED TYPICAL SECTION - SIDE ROADS

CTH P, STA 21+00 'P' - STA 35+00 'P'
LAKESHORE, STA 28+00 'LS' - STA 32+00 'LS'
TIGHE, STA 30+00 'T' - STA 32+00 'T'

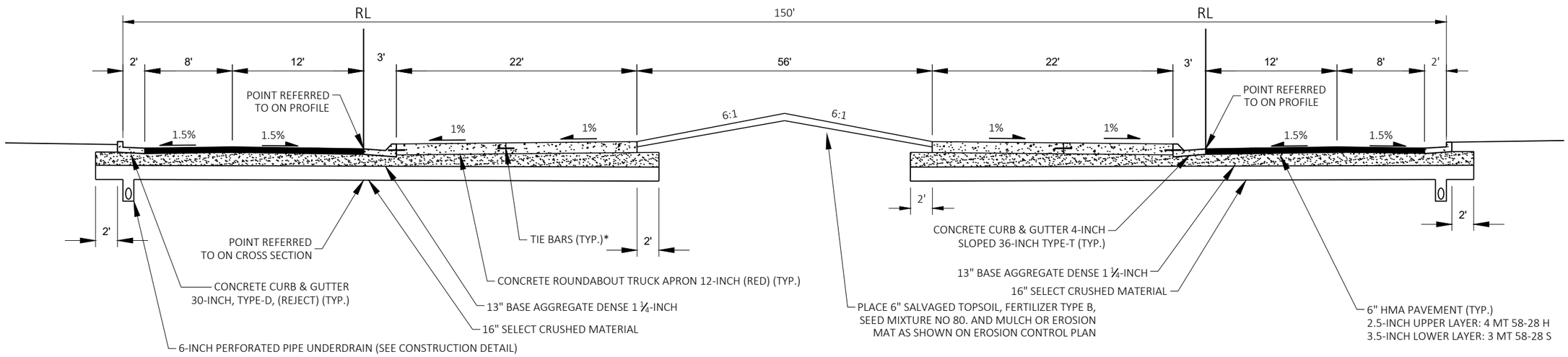


FINISHED TYPICAL SECTION - SIDE ROADS

STATE LINE RD, STA 10+34 'ST' - 12+68 'ST'
BERGEN, STA 10+28 'B' - 10+17 'B'

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	TYPICAL SECTIONS - PROPOSED	SHEET 8	E

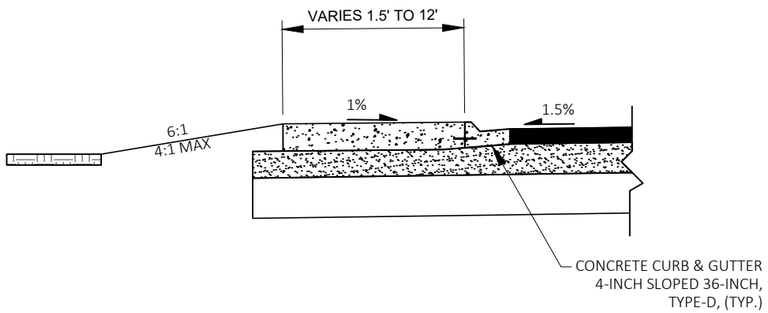
2



*NO.4, 2' TIE BARS SPACED 3' C-C
INCIDENTAL TO CONCRETE ROUNDABOUT TRUCK APRON

FINISHED TYPICAL SECTION - ROUNDABOUT

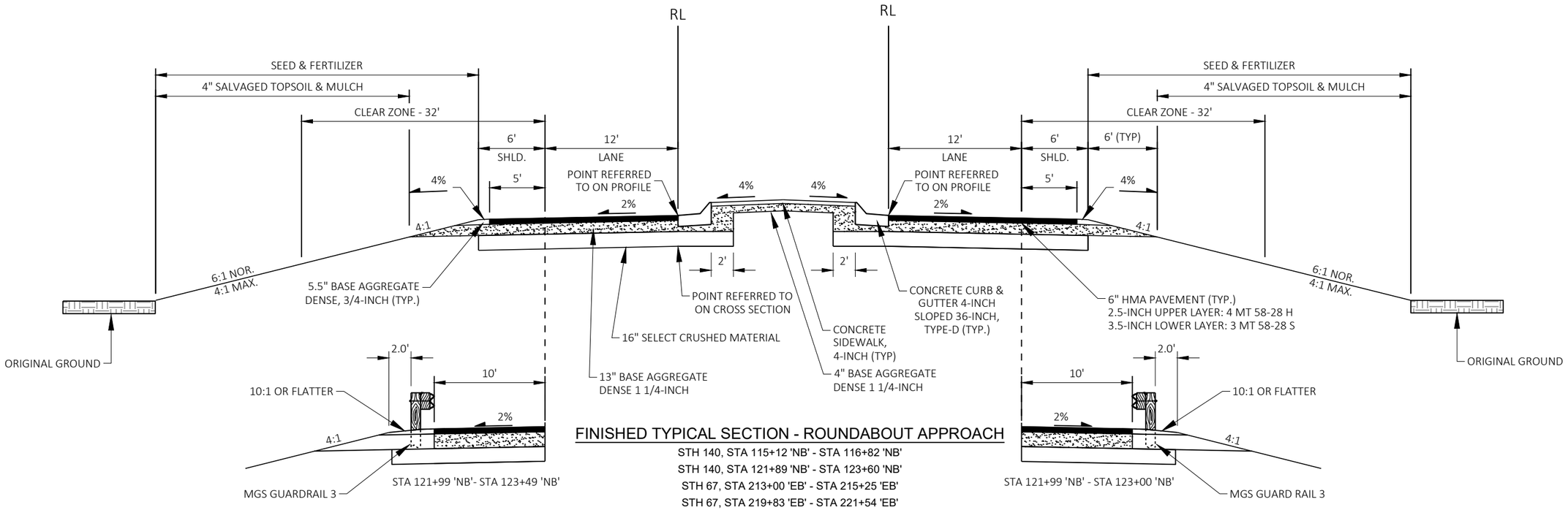
STA 20+00 'C' - STA 23+46 'C'



FINISHED TYPICAL SECTION - OUTSIDE TRUCK APRON

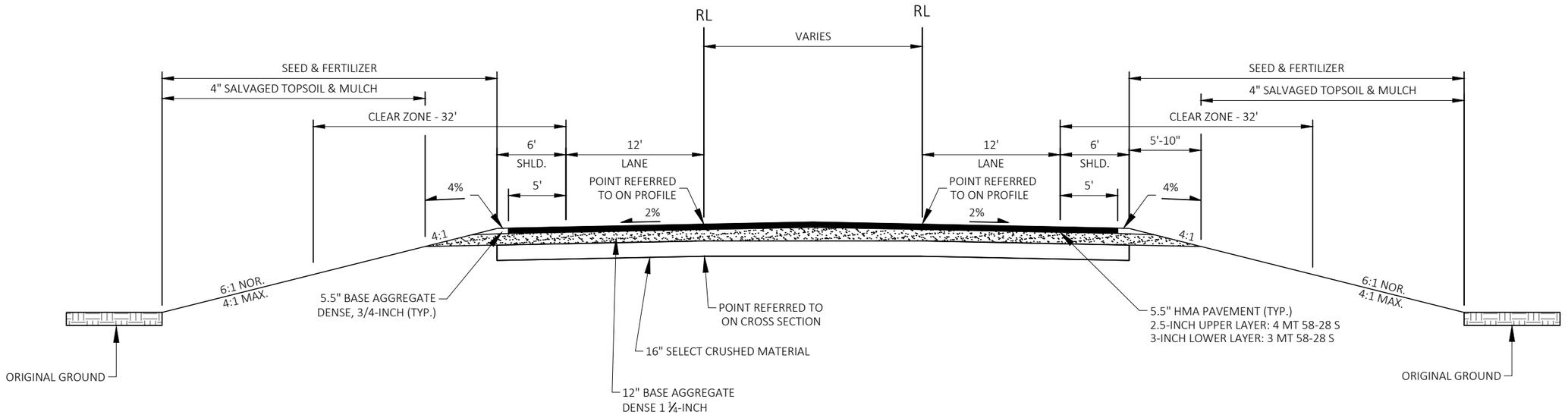
STA 42+72 'NE' - STA 44+22 'NE'
STA 35+07 'NW' - STA 36+84 'NW'
STA 51+82 'SE' - STA 53+36 'SE'
STA 62+01 'SW' - STA 63+61 'SW'

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	TYPICAL SECTIONS - PROPOSED	SHEET 9	E



FINISHED TYPICAL SECTION - ROUNDABOUT APPROACH

STH 140, STA 115+12 'NB' - STA 116+82 'NB'
STH 140, STA 121+89 'NB' - STA 123+60 'NB'
STH 67, STA 213+00 'EB' - STA 215+25 'EB'
STH 67, STA 219+83 'EB' - STA 221+54 'EB'

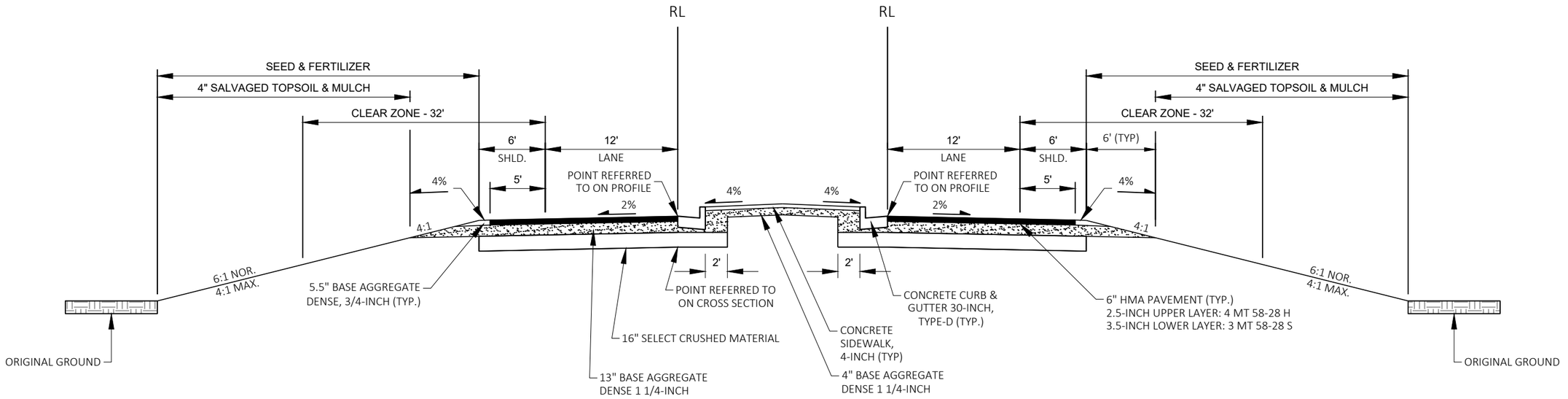


FINISHED TYPICAL SECTION - ROUNDABOUT APPROACH

STH 140, STA 110+42 'NB' - STA 115+12 'NB'
STH 140, STA 123+60 'NB' - STA 128+14 'NB'
STH 67, STA 207+35 'EB' - STA 213+00 'EB'
STH 67, STA 221+54 'EB' - STA 227+18 'EB'

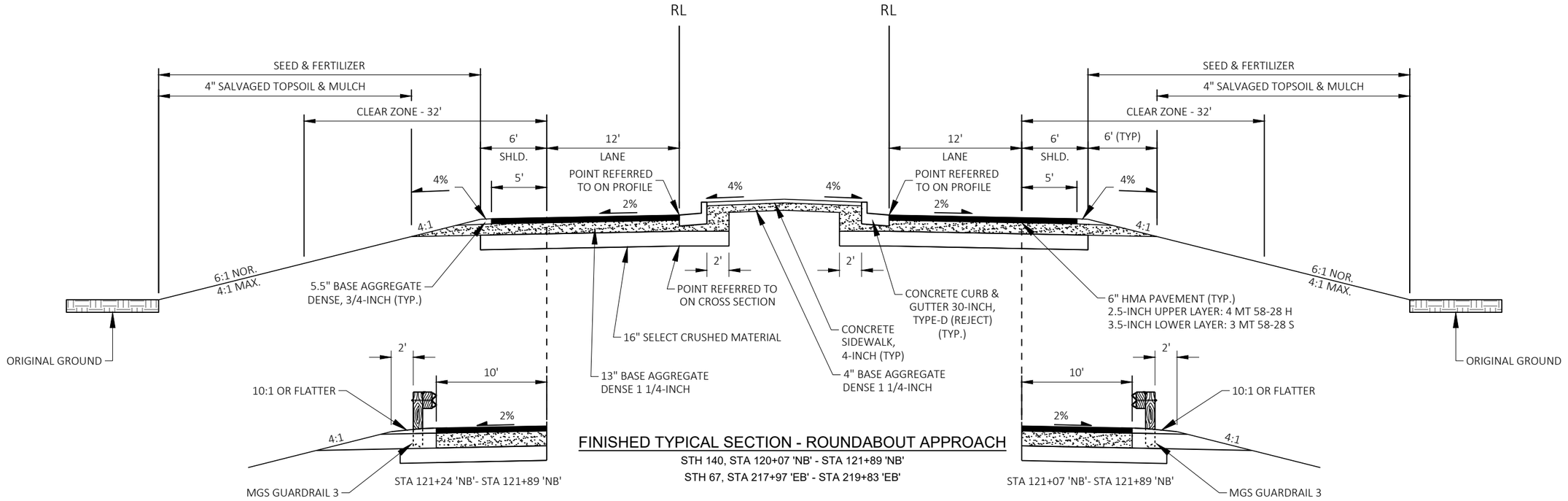
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	TYPICAL SECTIONS - PROPOSED	SHEET 10	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020308-ts 1in-10ft
PLOT DATE : 11/18/2024 4:55 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION - ROUNDABOUT APPROACH

STH 140, STA 116+82 'NB' - STA 118+61 'NB'
STH 67, STA 215+25 'EB' - STA 216+49 'EB'

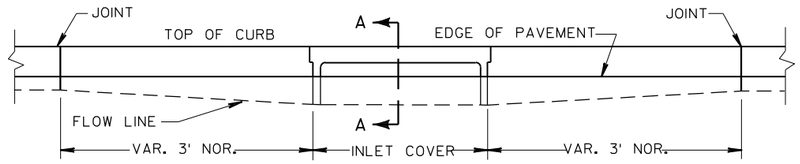


FINISHED TYPICAL SECTION - ROUNDABOUT APPROACH

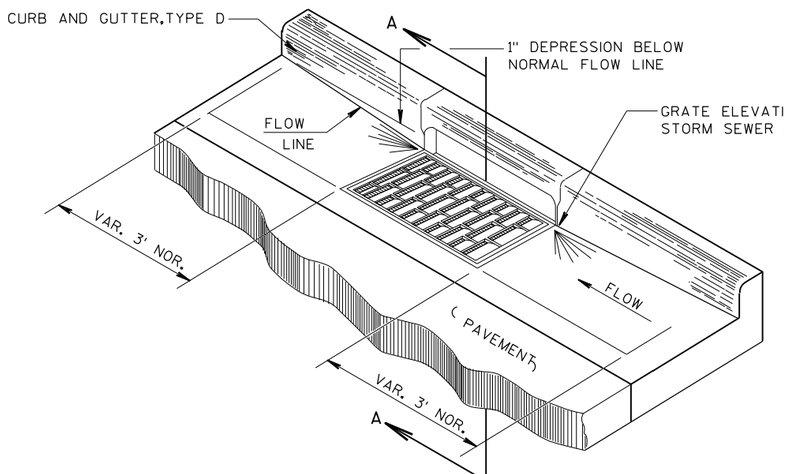
STH 140, STA 120+07 'NB' - STA 121+89 'NB'
STH 67, STA 217+97 'EB' - STA 219+83 'EB'

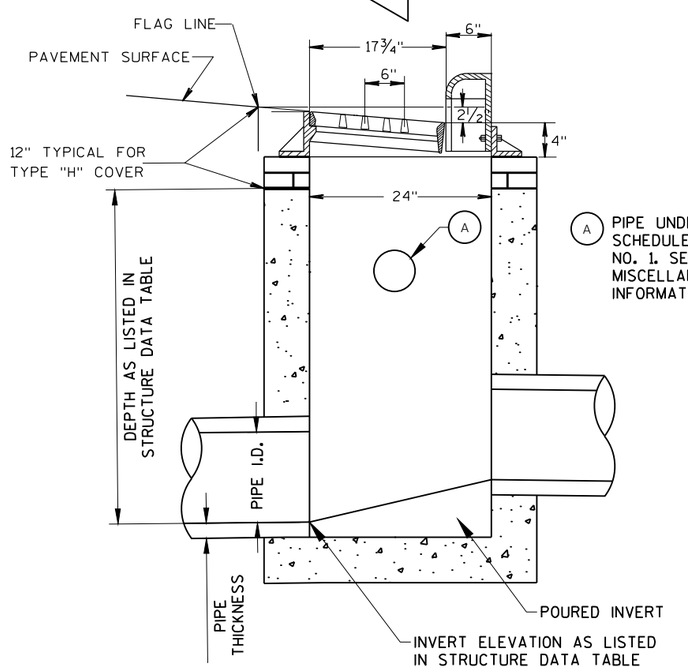
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	TYPICAL SECTIONS - PROPOSED	SHEET 11	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020305-ts 1in-10ft
PLOT DATE : 11/18/2024 4:55 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



ELEVATION



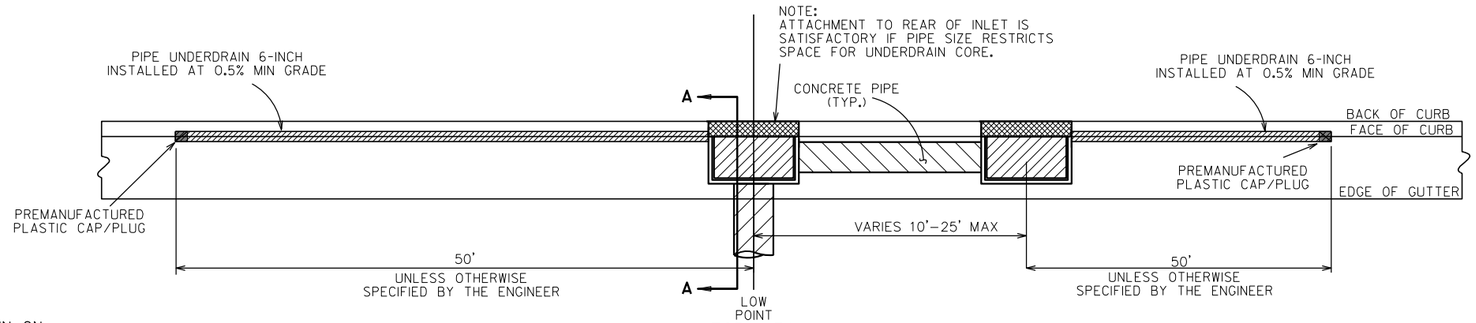


SECTION A-A

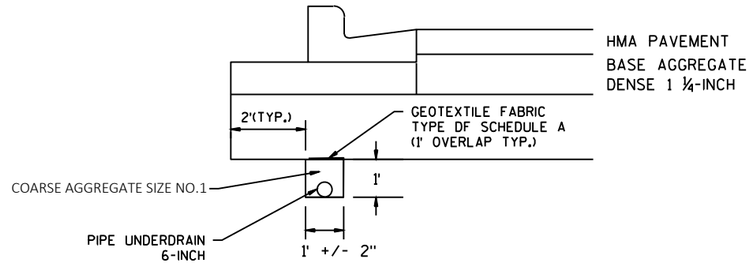
(A) PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE FABRIC TYPE DF SCHEDULE A AND BACKFILL COARSE AGGREGATE SIZE NO. 1. SEE "PIPE UNDERDRAIN 6-INCH DETAIL" AND MISCELLANEOUS QUANTITIES FOR LOCATIONS AND ADDITIONAL INFORMATION. INCIDENTAL TO INLETS.

DETAIL OF CURB AND GUTTER AT INLETS AT SAG LOCATIONS

(INLET TYPE 2X3-H SHOWN)



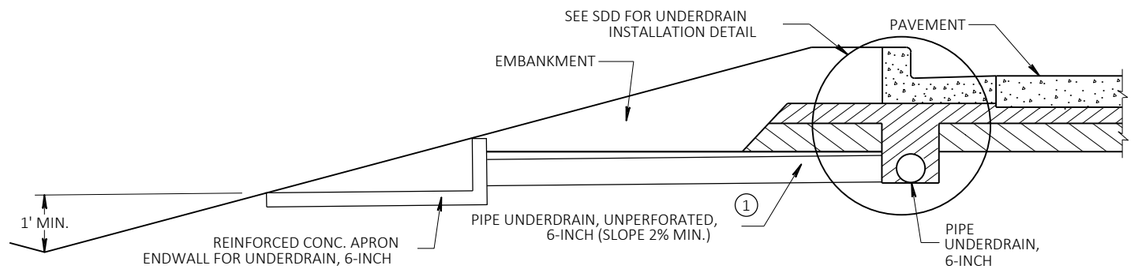
PIPE UNDERDRAIN WRAPPED 6-INCH LIMITS AT SAG INLETS



PIPE UNDERDRAIN WRAPPED 6-INCH DETAIL

(COARSE AGGREGATE #1 AND DF FABRIC INCIDENTAL TO PIPE UNDERDRAIN 6-INCH)

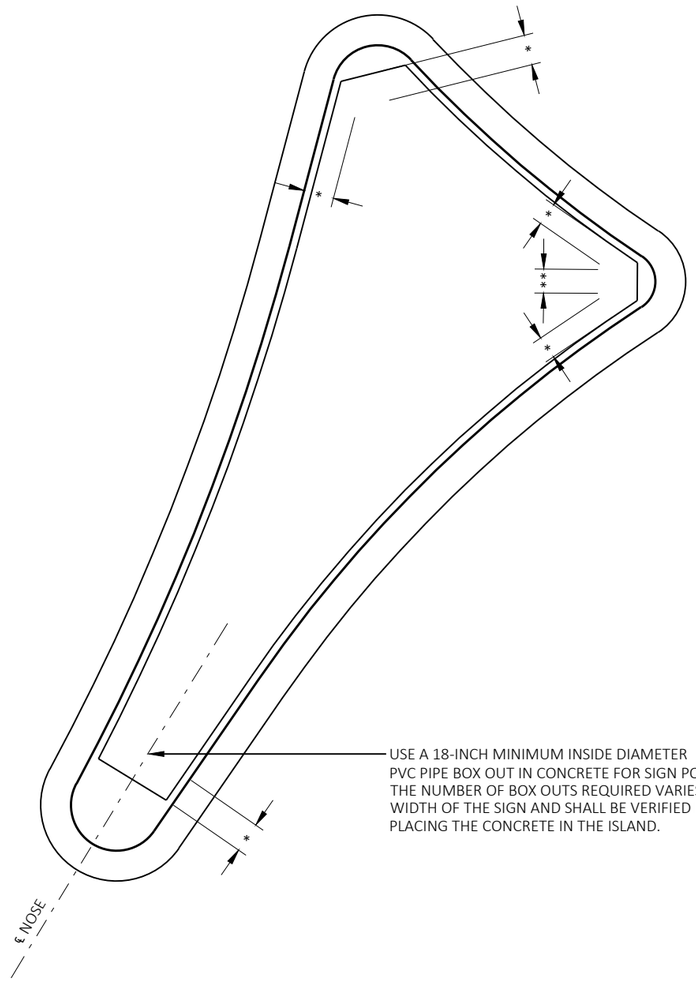
(1) THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHLORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE. ALL JOINTS SHALL BE SOLVENT WELDED.



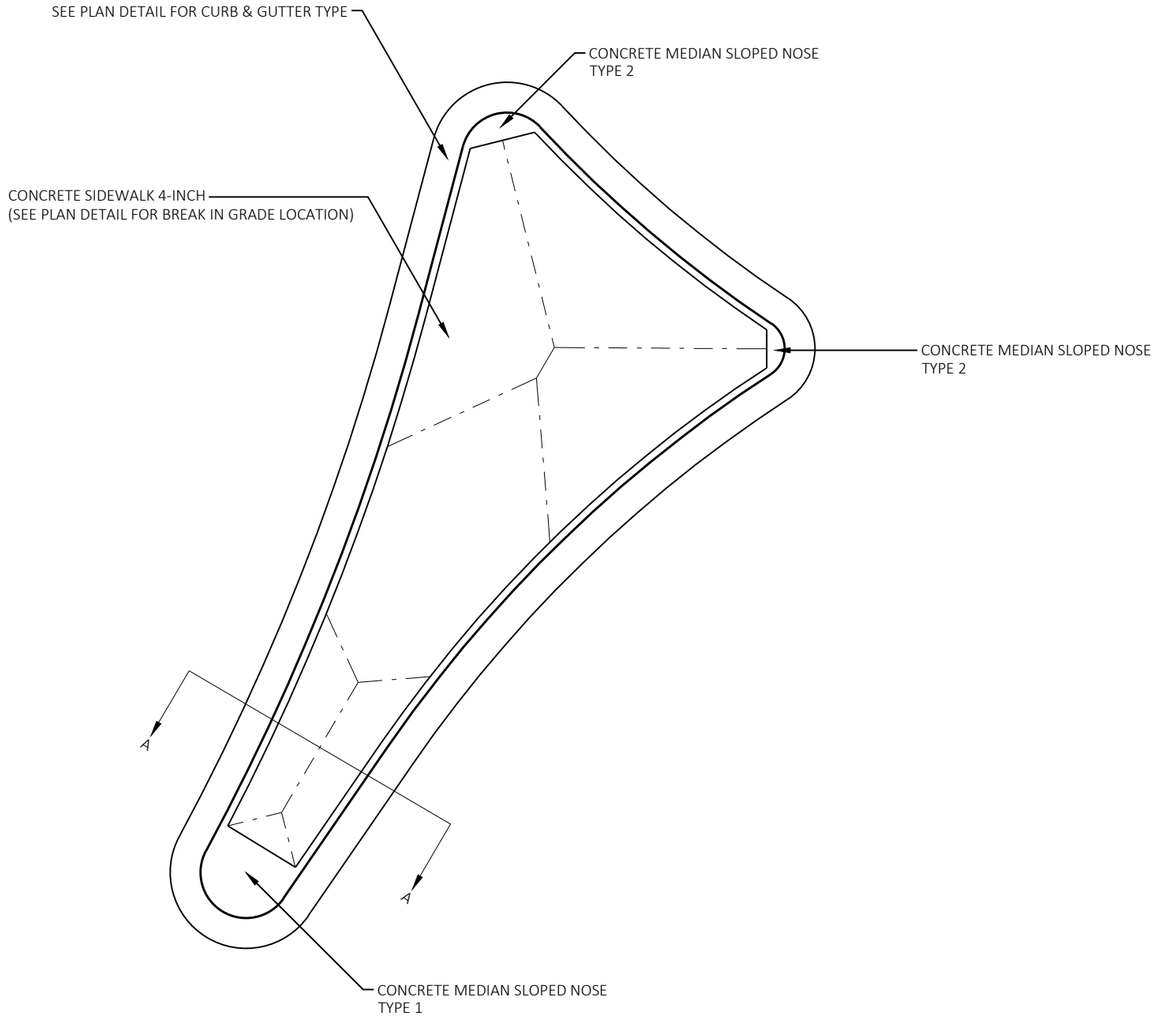
PIPE UNDERDRAIN OUTFALL DETAIL

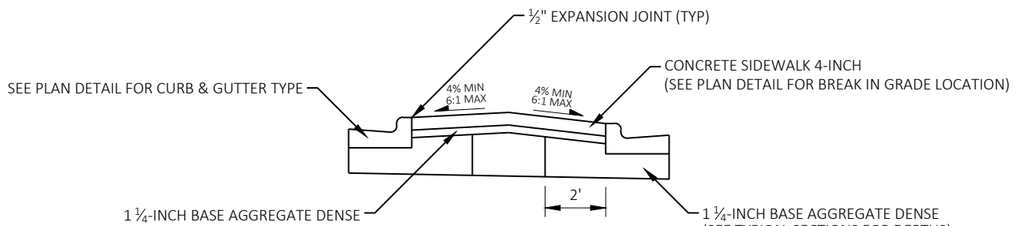
* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

** SEE SIGN DETAILS FOR POST SPACING.



ISLAND SIGN LOCATION DETAIL (TYP)

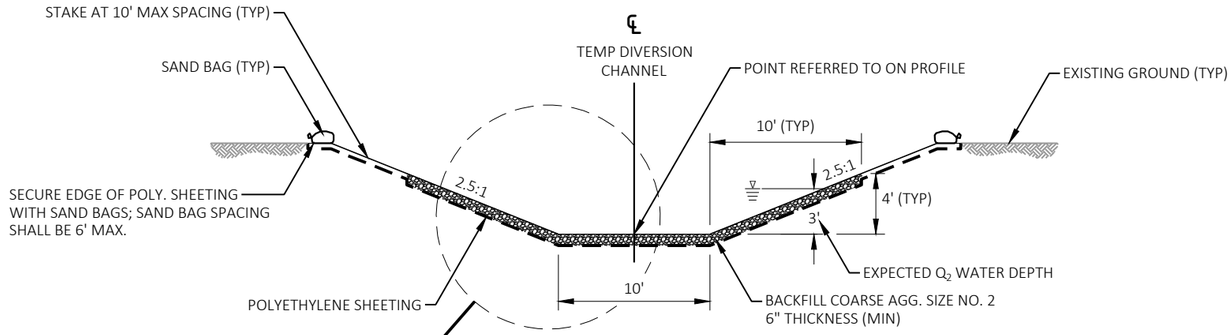




SECTION A-A

SPLITTER ISLAND DETAIL (TYP)

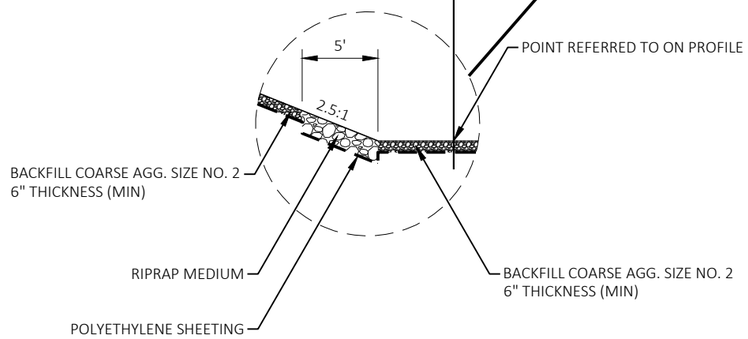
2



PROPOSED TYPICAL SECTION

TEMPORARY DIVERSION CHANNEL FOR BOX CULVERTS

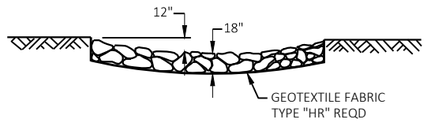
STA 0'SC'+00 - STA 2'SC'+53.35 (C-53-2024 at 96+90)
STA 0'NC'+00 - STA 2'NC'+80.60 (C-53-3016 at 122+75)



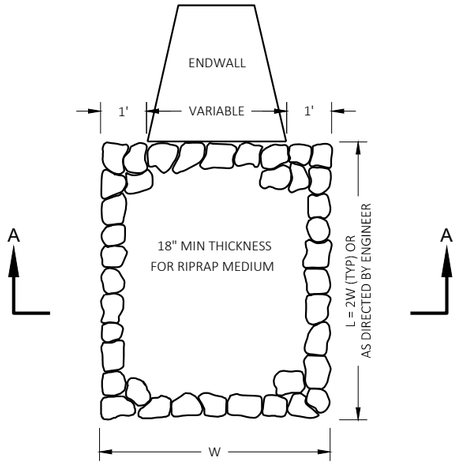
CHANNEL BANK TURN DETAIL

PLACE RIPRAP MEDIUM ALONG BANK TURNS AT 1' THICKNESS (MIN)

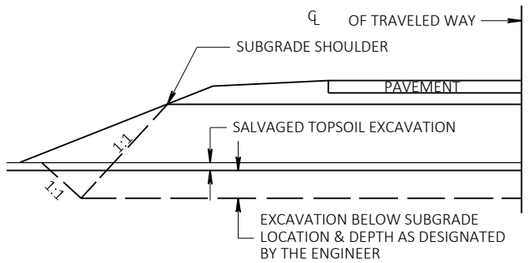
TEMPORARY DIVERSION CHANNEL DETAIL



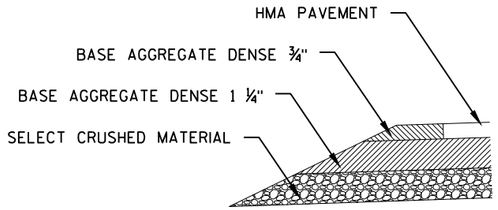
SECTION A-A



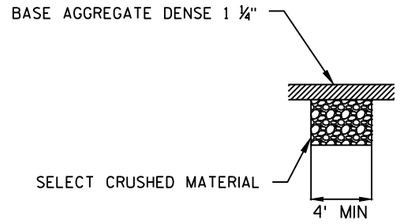
RIPRAP MEDIUM TREATMENT AT CULVERTS



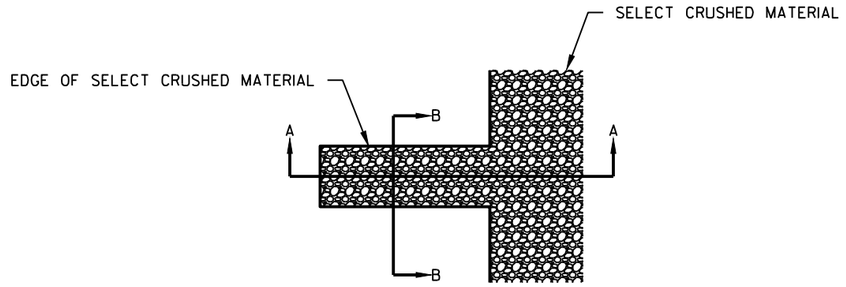
DETAIL FOR EXCAVATION BELOW SUBGRADE



SECTION A-A



SECTION B-B



DETAIL FOR FRENCH DRAINS

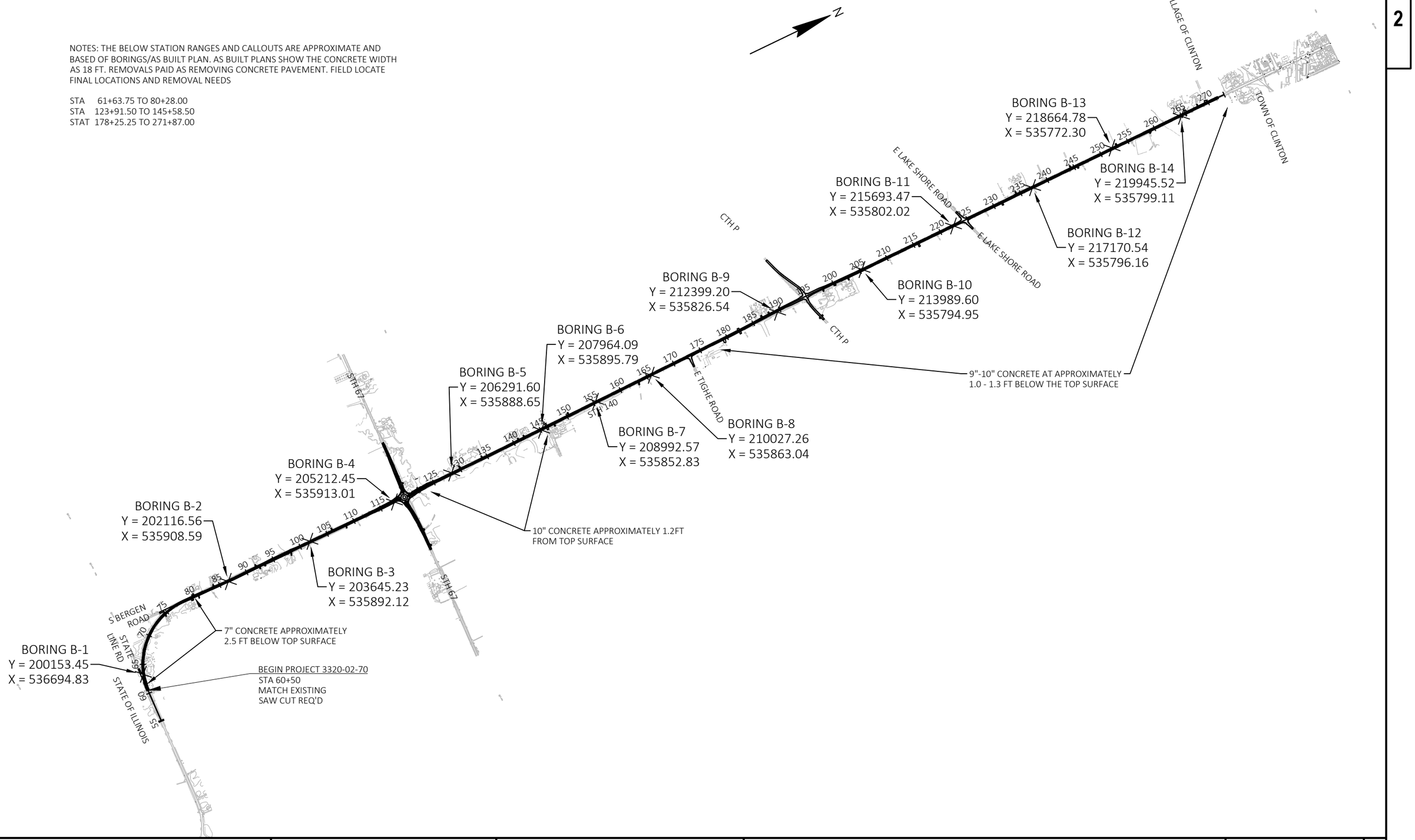
NOTES: PAID FOR AS SELECT CRUSHED MATERIAL

PLACE EVERY 250' AND AT LOW POINTS

2

NOTES: THE BELOW STATION RANGES AND CALLOUTS ARE APPROXIMATE AND BASED OF BORINGS/AS BUILT PLAN. AS BUILT PLANS SHOW THE CONCRETE WIDTH AS 18 FT. REMOVALS PAID AS REMOVING CONCRETE PAVEMENT. FIELD LOCATE FINAL LOCATIONS AND REMOVAL NEEDS

STA 61+63.75 TO 80+28.00
STA 123+91.50 TO 145+58.50
STAT 178+25.25 TO 271+87.00



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CONSTRUCTION DETAILS - CONCRETE PAVEMENT REMOVAL	SHEET 16	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\021002_CD.DWG
LAYOUT NAME - 021002_cd - 01
PLOT DATE : 4/8/2024 11:48 AM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:1500 FT
WISDOT/CADDS SHEET 42

2

WI Dept. of Transportation
3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 1
PAGE NO: 1 of 2

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE: / LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING: / EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM: / VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION: NA
STATION: 0.01 LM	OFFSET: 6' Lt of C/L	TOWNSHIP: / RANGE: / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:	SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0		3" HMA						SSA	Auger Medium
				0.3		6" RAP							
				0.8		21" SAND & GRAVEL LIFT	GPS						
				2.5		7" PCC						SSA	Auger Easy to Medium
				3.1		SILT, black, moist	ML						
				5.0		End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET ☐ DRY ☐	
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET ☐ DRY ☐	

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

P:\DWI\WISDOT DMT PROJECTS\SBR\STH 140 03320-00-00 ROCK CO ROAD BORINGS.GPJ STH 140 SDHS

WI Dept. of Transportation
3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 2
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE: / LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING: / EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM: / VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION: NA
STATION: 0.45 LM	OFFSET: 9' Rt of C/L	TOWNSHIP: / RANGE: / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:	SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0		3" HMA						SSA	Auger Easy to Medium
				0.3		8" RAP							
				0.9		7" BASE COURSE, moist	GW						
				1.5		SILT, brown, trace fine sand, moist	ML						
				4.0		SILT, tan, little clay, moist	ML						
				5.0		End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET ☐ DRY ☐	
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET ☐ DRY ☐	

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

P:\DWI\WISDOT DMT PROJECTS\SBR\STH 140 03320-00-00 ROCK CO ROAD BORINGS.GPJ STH 140 SDHS

WI Dept. of Transportation
3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 3
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE: / LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING: / EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM: / VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION: NA
STATION: 0.72 LM	OFFSET: 11' Lt of C/L	TOWNSHIP: / RANGE: / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:	SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0		3" HMA						SSA	Auger Easy to Medium
				0.3		12" RAP							
				1.3		SILT, brown, some fine to medium sand, moist	ML						
				5.0		End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET ☐ DRY ☐	
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET ☐ DRY ☐	

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

P:\DWI\WISDOT DMT PROJECTS\SBR\STH 140 03320-00-00 ROCK CO ROAD BORINGS.GPJ STH 140 SDHS

2

WI Dept. of Transportation
3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 4
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE:	LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING:	EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:	
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM:	VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION:	NA
STATION: 1.0 LM	OFFSET: 6' Rt of C/L	TOWNSHIP: RANGE: SECTION: 1/4 SECTION: 1/4 1/4 SECTION:	SURFACE ELEVATION:	

Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
		3" HMA						SSA	Auger Easy to Medium
0.3		14" RAP							
1									
1.4		6" BASE COURSE, moist	GW						
1.9		SILT, brown, little fine sand, moist							
2			ML						
3									
4									
5									
5.0		End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR		CAVE - IN DEPTH AT COMPLETION: NMR	WET / DRY
WATER LEVEL AT COMPLETION: NMR		CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET / DRY

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

JOHNWIDOX.GINT PROJECTSTART_ASBTN 140 0320-02-00 ROCK CO ROAD BORINGS.GPJ STH 140 3320

WI Dept. of Transportation
3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 5
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE:	LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING:	EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:	
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM:	VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION:	NA
STATION: 1.2 LM	OFFSET: 9' Lt of C/L	TOWNSHIP: RANGE: SECTION: 1/4 SECTION: 1/4 1/4 SECTION:	SURFACE ELEVATION:	

Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
		12" HMA						SSA	Auger Easy to Medium
1.0									
1		2" SAND & GRAVEL LIFT	GPS						
1.2		10" PCC							
2									
2.0		SILT, brown, some fine to medium sand, moist	ML						
3									
3.5		SILTY FINE TO MEDIUM SAND, tan, moist	SM						
4									
5									
5.0		End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR		CAVE - IN DEPTH AT COMPLETION: NMR	WET / DRY
WATER LEVEL AT COMPLETION: NMR		CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET / DRY

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

JOHNWIDOX.GINT PROJECTSTART_ASBTN 140 0320-02-00 ROCK CO ROAD BORINGS.GPJ STH 140 3320

WI Dept. of Transportation
3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 6
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE:	LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING:	EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:	
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM:	VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION:	NA
STATION: 1.5 LM	OFFSET: 10' Rt of C/L	TOWNSHIP: RANGE: SECTION: 1/4 SECTION: 1/4 1/4 SECTION:	SURFACE ELEVATION:	

Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
		4" HMA						SSA	Auger Easy to Medium
0.3		11" RAP							
1									
1.3		2" BASE COURSE, moist	GW						
1.4		SILT, gray, trace fine sand, moist							
2									
3			ML						
4									
5									
5.0		End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR		CAVE - IN DEPTH AT COMPLETION: NMR	WET / DRY
WATER LEVEL AT COMPLETION: NMR		CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET / DRY

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

JOHNWIDOX.GINT PROJECTSTART_ASBTN 140 0320-02-00 ROCK CO ROAD BORINGS.GPJ STH 140 3320

2

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3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 7
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE:	LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING:	EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:	
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM:	VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION:	NA
STATION: 1.7 LM	OFFSET: 11' Lt of C/L	TOWNSHIP: RANGE: SECTION: 1/4 SECTION: 1/4 1/4 SECTION:	SURFACE ELEVATION:	

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0		3" HMA						SSA	Auger Easy to Medium
				0.3		12" RAP							
				1		1.3 SILT, black, moist	ML						
				2									
				3									
				4									
				5		5.0 End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	▨	CAVE - IN DEPTH AT COMPLETION: NMR WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	■	CAVE - IN DEPTH AFTER 0 HOURS: NMR WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

JOB#3320-02-00 PROJECTS\ROCK\210050MW_JOB#'s 40-03/20-03/30 ROCK CO ROAD BORINGS.GPJ STH 140 7GPB

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WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 8
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE:	LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING:	EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:	
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM:	VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION:	NA
STATION: 1.9 LM	OFFSET: 9' Rt of C/L	TOWNSHIP: RANGE: SECTION: 1/4 SECTION: 1/4 1/4 SECTION:	SURFACE ELEVATION:	

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0		5" HMA						SSA	Auger Easy to Medium
				0.4		10" RAP							
				1		1.3							
				2		10" PCC 2.1 SILT, black, moist	ML						
				3									
				4									
				5		5.0 End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	▨	CAVE - IN DEPTH AT COMPLETION: NMR WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	■	CAVE - IN DEPTH AFTER 0 HOURS: NMR WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

JOB#3320-02-00 PROJECTS\ROCK\210050MW_JOB#'s 40-03/20-03/30 ROCK CO ROAD BORINGS.GPJ STH 140 7GPB

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WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 9
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE:	LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING:	EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:	
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM:	VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION:	NA
STATION: 2.3 LM	OFFSET: 7' Rt of C/L	TOWNSHIP: RANGE: SECTION: 1/4 SECTION: 1/4 1/4 SECTION:	SURFACE ELEVATION:	

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0		3" HMA						SSA	Auger Easy to Medium
				0.3		10" RAP							
				1		1.1 9" PCC 1.8 SILT, black, moist	ML						
				2									
				3									
				4									
				5		5.0 End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

▽	WATER ENCOUNTERED DURING DRILLING: NMR	▨	CAVE - IN DEPTH AT COMPLETION: NMR WET ☐ DRY ☐
▼	WATER LEVEL AT COMPLETION: NMR	■	CAVE - IN DEPTH AFTER 0 HOURS: NMR WET ☐ DRY ☐

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

JOB#3320-02-00 PROJECTS\ROCK\210050MW_JOB#'s 40-03/20-03/30 ROCK CO ROAD BORINGS.GPJ STH 140 7GPB

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WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 10
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE: / LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING: / EASTING:
DATE STARTED: 6/24/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:
DATE COMPLETED: 6/24/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM: / VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION: NA
STATION: 2.6 LM	OFFSET: 6' Lt of C/L	TOWNSHIP: / RANGE: / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:	SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
						5" HMA						SSA	Auger Easy to Medium
				0.4		7" RAP							
				1		1.0 10" PCC							
				1.8		SILT, brown, moist	ML						
				5		5.0 End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET / DRY		
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET / DRY		

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 11
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE: / LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING: / EASTING:
DATE STARTED: 6/25/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:
DATE COMPLETED: 6/25/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM: / VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION: NA
STATION: 2.9 LM	OFFSET: 6' Rt of C/L	TOWNSHIP: / RANGE: / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:	SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
						4" HMA						SSA	Auger Easy to Medium
				0.3		11" RAP							
				1		1.3 10" PCC							
				2.1		SILT, black, moist	ML						
				5		5.0 End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET / DRY		
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET / DRY		

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:
BORING ID: 12
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE: / LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING: / EASTING:
DATE STARTED: 6/25/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:
DATE COMPLETED: 6/25/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM: / VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION: NA
STATION: 3.2 LM	OFFSET: 7' Rt of C/L	TOWNSHIP: / RANGE: / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:	SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
						7.5" HMA						SSA	Auger Easy to Medium
				0.6		4.5" SAND & GRAVEL LIFT	GPS						
				1		1.0 6" PCC							
				1.5		SILT, brown, little fine to medium gravel & sand, moist	ML						
				5		5.0 End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET / DRY		
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET / DRY		

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:

BORING ID: 13
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE: / LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING: / EASTING:
DATE STARTED: 6/25/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:
DATE COMPLETED: 6/25/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM: / VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION: NA
STATION: 3.5 LM	OFFSET: 14' Lt of C/L	TOWNSHIP: / RANGE: / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:	SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.1		1.5" HMA 4.5" RAP						SSA	Auger Easy to Medium
				0.5		6" BASE COURSE, moist	GW						
				1.0		SILT, black, little fine to medium sand, moist							
							ML						
				5.0		End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET ☐ DRY ☐	
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET ☐ DRY ☐	

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

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WISDOT PROJECT ID: 3320-02-00
WISDOT STRUCTURE ID:

BORING ID: 14
PAGE NO: 1 of 1

WISDOT PROJECT NAME: STH 140	CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	LATITUDE: / LONGITUDE:
ROADWAY NAME:	DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	NORTHING: / EASTING:
DATE STARTED: 6/25/19	CREW CHIEF: J. Ruda	DRILL RIG: Unit 3	COORDINATE SYSTEM:
DATE COMPLETED: 6/25/19	LOGGED BY: S. Bahn	HOLE SIZE: 4 in	HORIZONTAL DATUM: / VERTICAL DATUM:
COUNTY: Rock	LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	STREAMBED ELEVATION: NA
STATION: 3.7 LM	OFFSET: 12' Rt of C/L	TOWNSHIP: / RANGE: / SECTION: / 1/4 SECTION: / 1/4 1/4 SECTION:	SURFACE ELEVATION:

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				0.3		4" HMA 9" RAP						SSA	Auger Easy to Medium
				1.1		4" BASE COURSE, moist	GW						
				1.4		SILT, black, moist							
							ML						
				5.0		End of Boring at 5.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA

WATER ENCOUNTERED DURING DRILLING: NMR	CAVE - IN DEPTH AT COMPLETION: NMR	WET ☐ DRY ☐	
WATER LEVEL AT COMPLETION: NMR	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET ☐ DRY ☐	

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

P:\DWI\WISDOT DWI PROJECTS\SM\ STH 140 3320-02-00 ROCK CO ROAD BORINGS.GPJ STH 140 7GY9

2

N

STH 67 EB

STH 67 WB

MGS GUARDRAIL 3
50.0'

MGS GUARDRAIL 3 L
100.0'

MGS GUARDRAIL 3
75.0'

MGS GUARDRAIL
TERMINAL EAT

MGS
GUARDRAIL
TERMINAL
TYPE 2

BERGEN TEL - COMM

ROCK ENERGY - ELEC

C-53-3031

EAT POST #5
+60.65
-37.06' LT

EAT POST #9
+35.66
-36.30' LT

EAT POST #1
+85.64
-37.51' LT

+58.81
-27.81' LT

+14.92
-26.65' LT

LONG SPAN POST #1
+99.94
-32.63' LT

LONG SPAN POST #1
+18.10
-32.90' LT

STH 140 SB

121"NB"

122"NB"

123"NB"

124"NB"

125"NB"

STH 140 NB

EAT POST #1
+06.37
28.54' RT

EAT POST #5
+32.02
26.85' RT

EAT POST #9
+57.63
25.16' RT

LONG SPAN
POST #1
+02.45
23.82' RT

LONG SPAN POST #1
+21.65
23.28' RT

+37.14
24.33' RT

10:1 MAX SLOPE

DRIVEWAY ENTRANCE CURB

SI (TYP)

R/W (TYP)

MGS GUARDRAIL
TERMINAL EAT

MGS GUARDRAIL 3 L
100.0'

MGS GUARDRAIL 3
50.0'

TLE (TYP)

ROCK ENERGY - ELEC

REFER TO SDDS "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL",
"MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)",
"MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)",
AND "MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL"
FOR ADDITIONAL INFORMATION

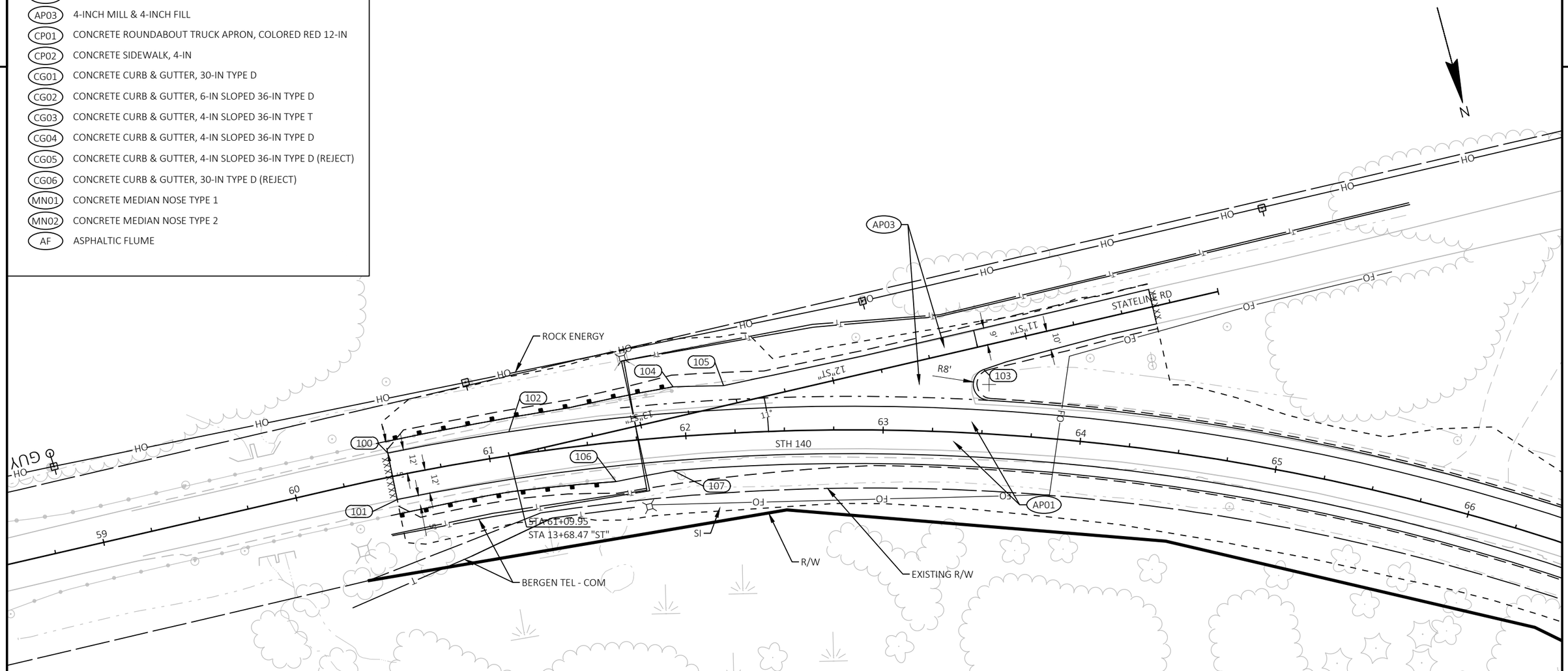
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 22	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\021003-CD.DWG
LAYOUT NAME - 021003-cd-01

PLOT DATE : 11/18/2024 4:56 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

- AP01 HMA PAVEMENT, 5.5-IN
- AP02 HMA PAVEMENT, 6-IN
- AP03 4-INCH MILL & 4-INCH FILL
- CP01 CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
- CP02 CONCRETE SIDEWALK, 4-IN
- CG01 CONCRETE CURB & GUTTER, 30-IN TYPE D
- CG02 CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
- CG03 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
- CG04 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
- CG05 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
- CG06 CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
- MN01 CONCRETE MEDIAN NOSE TYPE 1
- MN02 CONCRETE MEDIAN NOSE TYPE 2
- AF ASPHALTIC FLUME

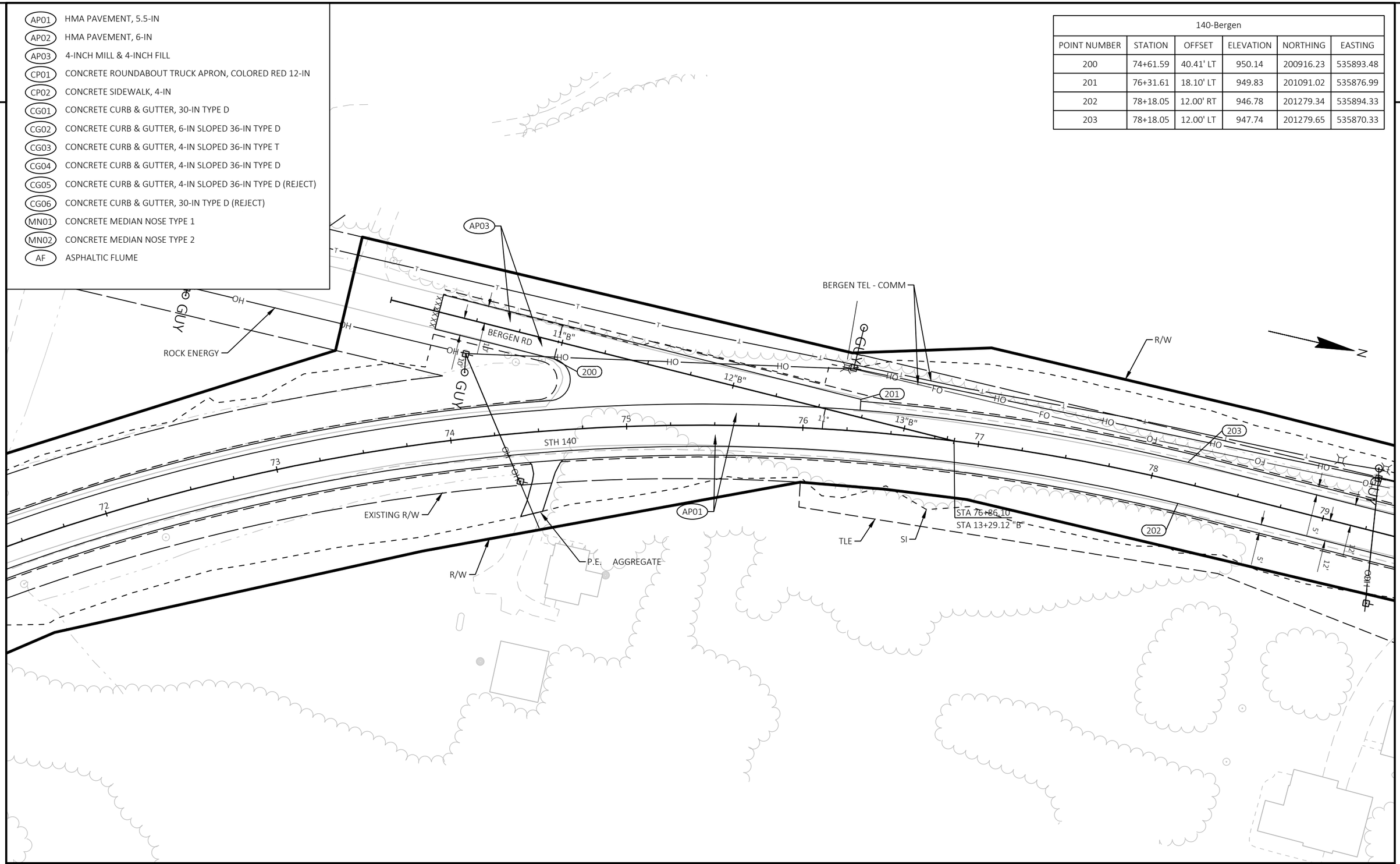


140-StateLine					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	60+50.14	11.95' LT	941.36	200094.70	536972.42
101	60+50.00	12.00' RT	940.96	200118.60	536973.98
102	61+11.66	12.00' LT	941.85	200100.00	536910.49
103	63+49.22	32.39' LT	942.72	200131.75	536670.06
104	61+95.49	25.26' LT	943.61	200099.51	536824.31
105	62+20.48	24.15' LT	943.78	200105.57	536799.49
106	61+62.51	19.92' RT	940.73	200138.42	536864.56
107	61+92.21	17.00' RT	941.04	200140.46	536835.27

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	INTERSECTION DETAILS - STATELINE ROAD	SHEET 23	E

AP01	HMA PAVEMENT, 5.5-IN
AP02	HMA PAVEMENT, 6-IN
AP03	4-INCH MILL & 4-INCH FILL
CP01	CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
CP02	CONCRETE SIDEWALK, 4-IN
CG01	CONCRETE CURB & GUTTER, 30-IN TYPE D
CG02	CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
CG03	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
CG04	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
CG05	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
CG06	CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
MN01	CONCRETE MEDIAN NOSE TYPE 1
MN02	CONCRETE MEDIAN NOSE TYPE 2
AF	ASPHALTIC FLUME

140-Bergen					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	74+61.59	40.41' LT	950.14	200916.23	535893.48
201	76+31.61	18.10' LT	949.83	201091.02	535876.99
202	78+18.05	12.00' RT	946.78	201279.34	535894.33
203	78+18.05	12.00' LT	947.74	201279.65	535870.33

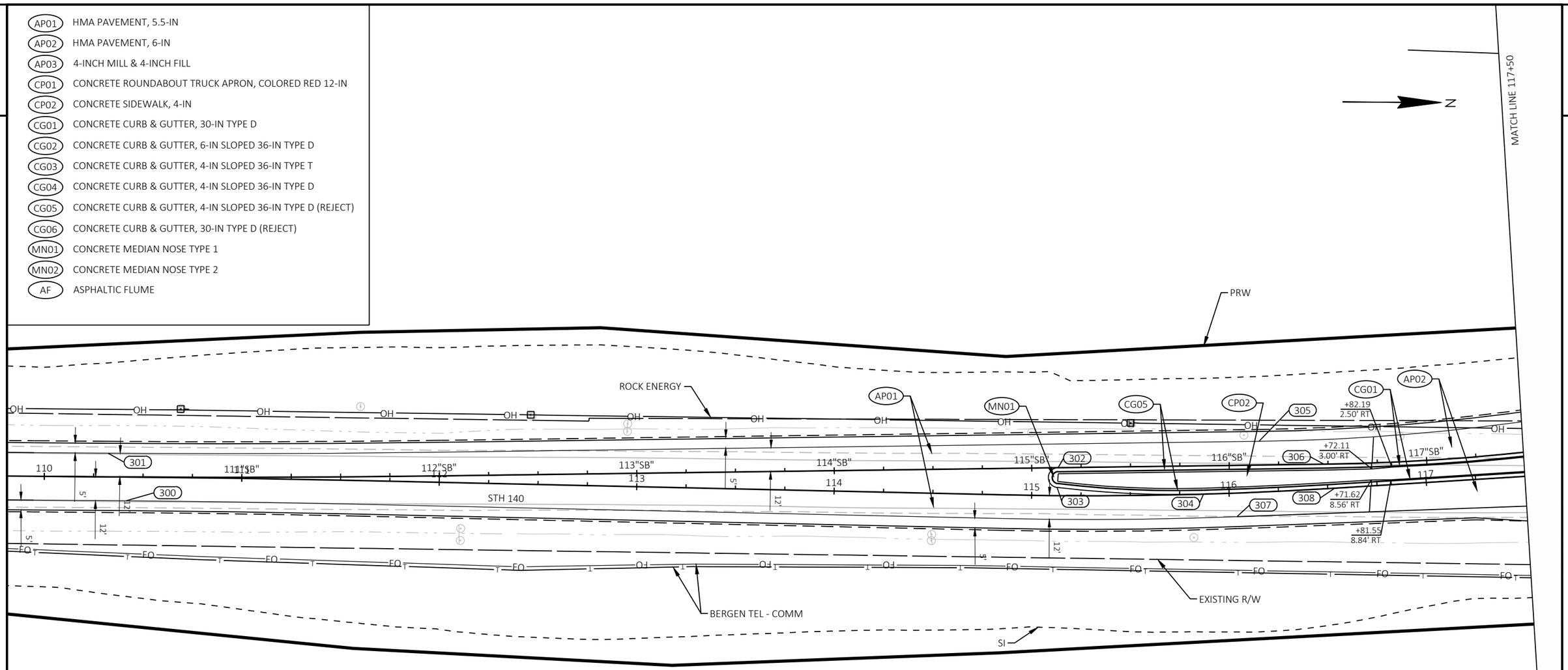


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	INTERSECTION DETAILS - BERGEN RD	SHEET 24 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021102-id

PLOT DATE : 11/18/2024 4:57 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

- AP01 HMA PAVEMENT, 5.5-IN
- AP02 HMA PAVEMENT, 6-IN
- AP03 4-INCH MILL & 4-INCH FILL
- CP01 CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
- CP02 CONCRETE SIDEWALK, 4-IN
- CG01 CONCRETE CURB & GUTTER, 30-IN TYPE D
- CG02 CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
- CG03 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
- CG04 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
- CG05 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
- CG06 CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
- MN01 CONCRETE MEDIAN NOSE TYPE 1
- MN02 CONCRETE MEDIAN NOSE TYPE 2
- AF ASPHALTIC FLUME



140-S67					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	110+41.62	12.00' RT	939.20	204502.76	535918.82
301	110+32.15	12.00' LT	939.42	204493.29	535894.82
302	115+13.29	14.11' LT	941.33	204974.40	535898.72
303	115+12.84	4.14' LT	941.43	204973.94	535908.69
304	115+87.08	0.00'	940.91	205048.16	535911.54
305	116+16.30	25.69' LT	940.06	205076.06	535884.63
306	116+48.87	12.45' LT	939.91	205109.04	535895.96
307	116+03.49	12.00' RT	941.35	205065.09	535922.88
308	116+53.53	0.00'	940.02	205114.52	535908.06

MATCH LINE 215+00"EB"

MATCH LINE 125+00

AP01	HMA PAVEMENT, 5.5-IN
AP02	HMA PAVEMENT, 6-IN
AP03	4-INCH MILL & 4-INCH FILL
CP01	CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
CP02	CONCRETE SIDEWALK, 4-IN
CG01	CONCRETE CURB & GUTTER, 30-IN TYPE D
CG02	CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
CG03	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
CG04	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
CG05	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
CG06	CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
MN01	CONCRETE MEDIAN NOSE TYPE 1
MN02	CONCRETE MEDIAN NOSE TYPE 2
AF	ASPHALTIC FLUME

BENGEN TEL - COMM
ROCK ENERGY
R/W
EXISTING R/W
DRIVEWAY CURB - SEE CONSTRUCTION DETAIL
STH 140
STH 67
216"EB"
216"WB"
218"EB"
218"WB"
219"EB"
219"WB"
121"SB"
122"SB"
123"SB"
124"SB"
118"SB"
MATCH LINE 117+50
MATCH LINE 219+75"EB"

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	INTERSECTION DETAILS - STH 67	SHEET 26 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021104-id
PLOT DATE : 11/18/2024 4:57 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

RAB - 140 & 67					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	117+53.98	20.15' RT	937.91	205216.12	535921.22
401	117+92.08	36.54' LT	936.96	205250.22	535862.05
402	117+92.29	0.00'	937.64	205252.95	535898.48
403	118+53.87	0.00'	936.41	205311.84	535912.82
404	118+57.18	5.98' LT	935.86	205317.91	535909.58
405	118+43.02	36.35' LT	936.07	205317.70	535874.77
406	118+50.05	31.81' LT	935.86	205324.02	535883.10
407	118+17.42	40.40' LT	936.33	205285.28	535860.16
408	117+89.27	16.03' RT	937.40	205251.04	535914.68
409	118+85.10	79.39' LT	935.52	205355.08	535842.71
410	118+76.70	37.36' RT	935.55	205326.84	535956.31
411	119+27.99	97.42' LT	935.37	205400.43	535832.28
412	119+31.70	91.62' LT	935.34	205403.09	535838.63
413	119+49.36	90.14' LT	935.23	205420.23	535843.11
414	119+56.48	97.02' LT	935.04	205428.42	535837.55

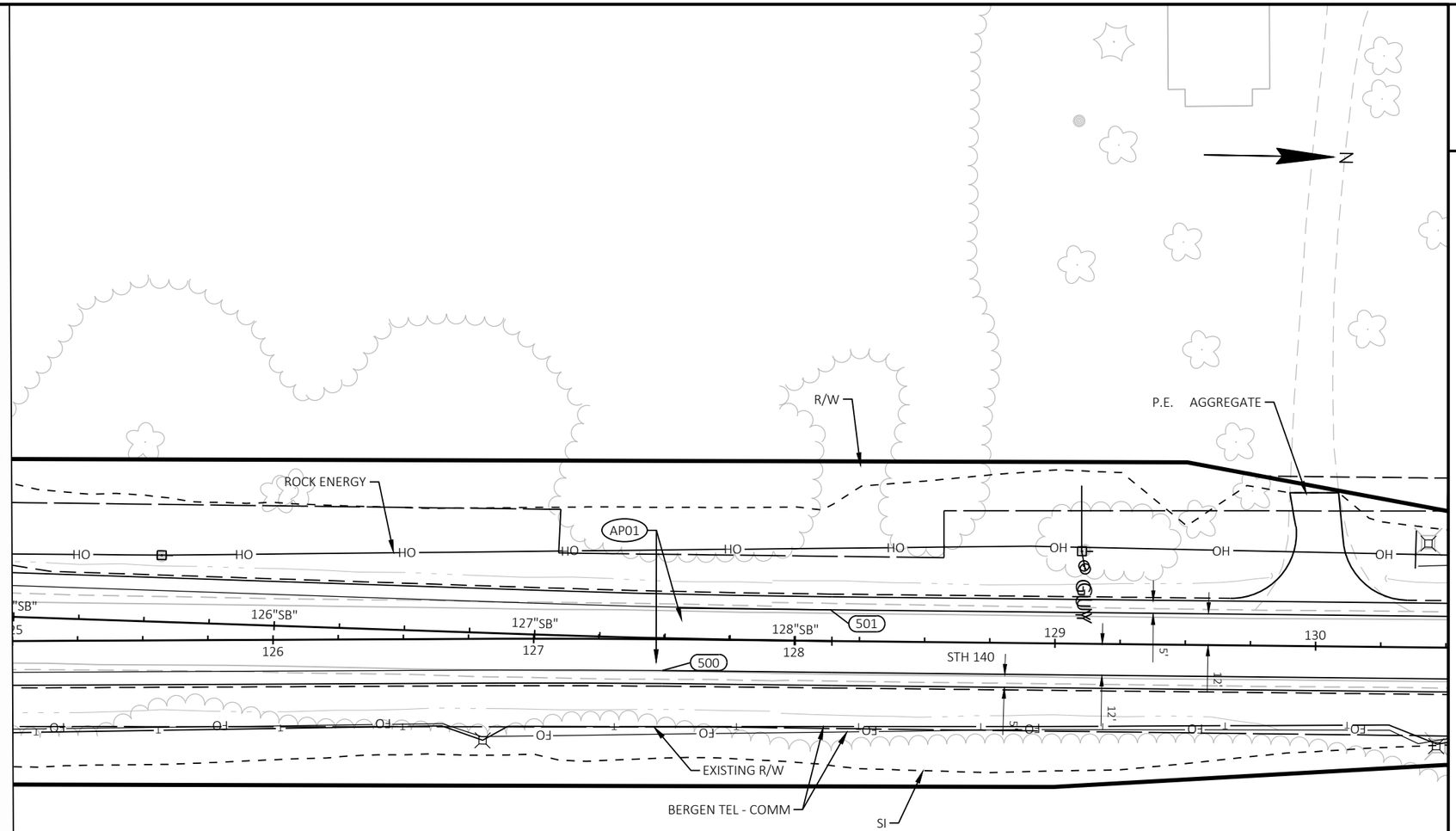
RAB - 140 & 67					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
415	119+21.45	157.09' LT	934.20	205404.18	535772.38
416	119+12.07	195.13' LT	933.39	205401.45	535733.29
417	119+37.72	156.57' LT	934.39	205420.12	535775.66
418	119+29.97	210.98' LT	933.59	205421.79	535720.74
419	119+39.54	212.26' LT	933.36	205431.45	535721.11
420	119+62.80	202.54' LT	933.11	205452.69	535734.67
421	119+63.28	167.34' LT	933.73	205447.15	535769.43
422	119+87.01	84.14' LT	934.87	205456.30	535855.46
423	120+86.45	28.49' LT	933.82	205535.22	535900.62
424	121+06.36	36.65' LT	933.36	205553.49	535889.26
425	122+33.56	23.39' LT	932.61	205685.09	535888.91
426	124+06.60	24.87' LT	933.14	205858.49	535883.56
427	123+49.03	36.16' LT	932.49	205800.69	535873.50
428	123+98.90	30.15' LT	932.97	205850.67	535878.44
429	120+18.31	29.79' LT	934.78	205467.80	535910.67

RAB - 140 & 67					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
430	120+24.65	32.46' LT	934.76	205473.62	535906.99
431	120+78.68	12.88' LT	934.13	205530.15	535917.30
432	122+84.37	13.43' LT	932.77	205736.53	535897.60
433	123+59.57	9.96' LT	933.13	205811.78	535899.46
434	123+58.96	0.00'	933.31	205811.39	535909.44
435	122+51.98	0.00'	933.14	205704.43	535911.72
436	121+06.24	0.00'	934.03	205559.47	535925.42
437	120+17.51	0.00'	934.68	205471.97	535940.18
438	120+12.07	8.52' LT	934.76	205465.19	535932.68
439	123+50.08	17.00' RT	932.92	205802.87	535926.62
440	123+00.33	22.00' RT	932.68	205753.24	535932.68
441	122+80.68	12.00' RT	932.87	205733.38	535923.11
442	121+19.00	24.71' RT	933.44	205575.86	535947.80
443	120+86.58	27.04' RT	933.66	205544.58	535955.36
444	120+03.41	28.69' RT	934.71	205453.16	535969.43

RAB - 140 & 67					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
445	119+80.36	130.47' RT	936.08	205413.04	536065.77
446	119+89.54	148.41' RT	936.30	205419.02	536085.02
447	119+52.06	56.20' RT	935.19	205397.86	535987.76
448	119+56.87	61.13' RT	935.28	205401.76	535993.43
449	119+58.65	119.03' RT	936.14	205393.62	536050.79
450	119+26.80	57.96' RT	935.34	205372.68	535985.17
451	119+20.69	66.30' RT	935.58	205365.23	535992.34
452	119+50.78	136.13' RT	936.66	205382.94	536066.29
453	119+26.86	135.22' RT	936.08	205359.52	536061.31
454	119+14.86	100.78' RT	935.61	205353.59	536025.32
455	119+34.31	16.67' LT	937.13	205392.84	535912.93
456	118+18.71	46.63' LT	936.64	205288.28	535854.39
457	118+47.00	84.76' LT	935.74	205344.84	535834.19
458	119+16.38	157.33' LT	934.36	205399.23	535771.27
459	119+70.17	158.59' LT	934.25	205452.44	535779.22

RAB - 140 & 67					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
460	119+74.16	141.47' LT	934.46	205453.44	535796.78
470	120+37.13	65.96' LT	934.68	205480.34	535871.87
471	120+65.05	40.73' LT	934.29	205512.07	535892.11
472	120+86.62	32.98' LT	934.24	205534.63	535896.16
473	117+84.77	21.04' RT	937.75	205246.90	535919.98
474	118+32.37	30.04' RT	936.88	205282.63	535932.10
475	118+67.25	44.25' RT	935.71	205316.35	535961.48
476	119+03.05	89.76' RT	935.72	205343.84	536012.44
477	119+81.97	122.01' RT	936.27	205416.08	536057.71
478	119+80.15	111.38' RT	936.14	205416.10	536046.93
479	120+07.43	39.57' RT	934.82	205461.20	535981.41
480	120+36.85	29.32' RT	934.38	205495.92	535965.88

2



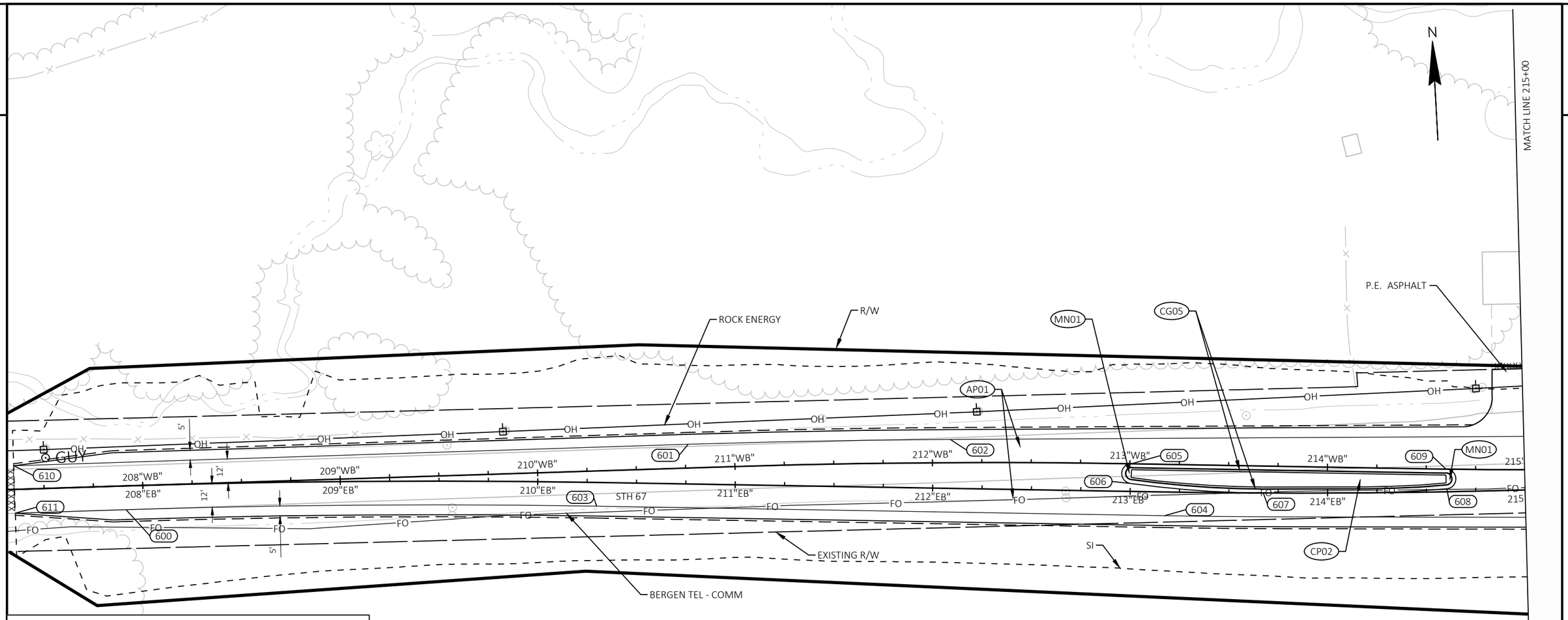
140-67N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	127+49.39	12.00' RT	940.51	206201.81	535913.58
501	128+13.73	12.04' LT	942.73	206266.00	535889.15

AP01	HMA PAVEMENT, 5.5-IN
AP02	HMA PAVEMENT, 6-IN
AP03	4-INCH MILL & 4-INCH FILL
CP01	CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
CP02	CONCRETE SIDEWALK, 4-IN
CG01	CONCRETE CURB & GUTTER, 30-IN TYPE D
CG02	CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
CG03	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
CG04	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
CG05	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
CG06	CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
MN01	CONCRETE MEDIAN NOSE TYPE 1
MN02	CONCRETE MEDIAN NOSE TYPE 2
AF	ASPHALTIC FLUME

MATCH LINE 125+00

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	INTERSECTION DETAILS - STH 67	SHEET 28 E

2



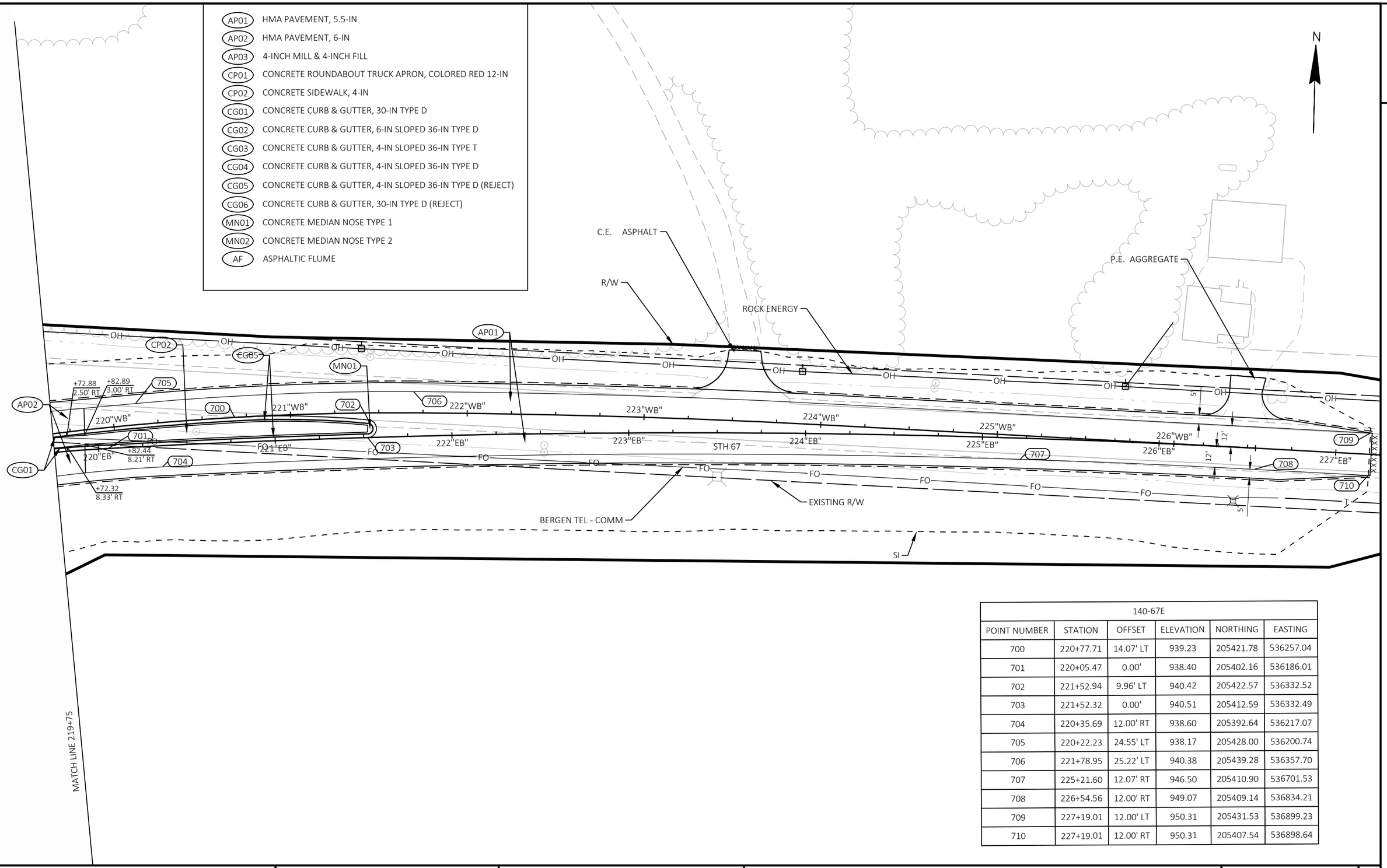
AP01	HMA PAVEMENT, 5.5-IN
AP02	HMA PAVEMENT, 6-IN
AP03	4-INCH MILL & 4-INCH FILL
CP01	CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
CP02	CONCRETE SIDEWALK, 4-IN
CG01	CONCRETE CURB & GUTTER, 30-IN TYPE D
CG02	CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
CG03	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
CG04	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
CG05	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
CG06	CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
MN01	CONCRETE MEDIAN NOSE TYPE 1
MN02	CONCRETE MEDIAN NOSE TYPE 2
AF	ASPHALTIC FLUME

140-67W					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	207+91.26	12.13' RT	923.42	205452.14	534986.55
601	210+75.88	20.11' LT	926.59	205469.37	535272.50
602	212+08.53	24.78' LT	928.42	205464.40	535405.15
603	210+30.04	12.00' RT	926.09	205440.67	535224.46
604	213+17.64	12.00' RT	930.78	205419.80	535511.30
605	213+00.58	14.00' LT	930.08	205446.97	535496.18
606	212+99.97	4.04' LT	930.16	205437.08	535494.84
607	213+67.39	0.00'	931.22	205428.46	535561.81
608	214+60.33	1.44' LT	932.52	205425.35	535654.69
609	214+60.14	11.43' LT	932.49	205435.33	535654.87
610	207+35.10	12.00' LT	923.19	205477.62	534931.01
611	207+35.09	12.00' RT	923.19	205453.63	534930.42

2

2

- AP01 HMA PAVEMENT, 5.5-IN
- AP02 HMA PAVEMENT, 6-IN
- AP03 4-INCH MILL & 4-INCH FILL
- CP01 CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
- CP02 CONCRETE SIDEWALK, 4-IN
- CG01 CONCRETE CURB & GUTTER, 30-IN TYPE D
- CG02 CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
- CG03 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
- CG04 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
- CG05 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
- CG06 CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
- MN01 CONCRETE MEDIAN NOSE TYPE 1
- MN02 CONCRETE MEDIAN NOSE TYPE 2
- AF ASPHALTIC FLUME

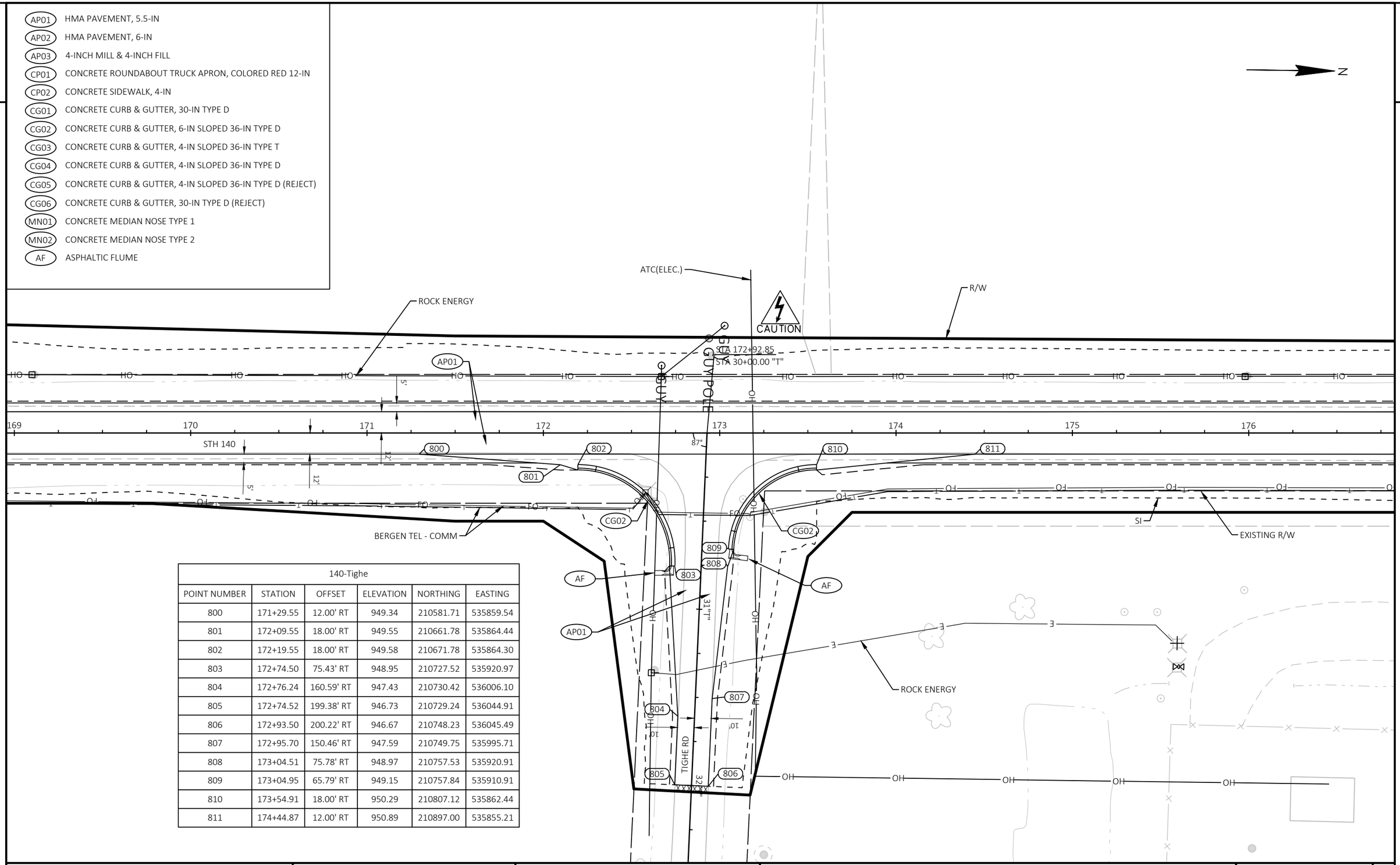


140-67E					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	220+77.71	14.07' LT	939.23	205421.78	536257.04
701	220+05.47	0.00'	938.40	205402.16	536186.01
702	221+52.94	9.96' LT	940.42	205422.57	536332.52
703	221+52.32	0.00'	940.51	205412.59	536332.49
704	220+35.69	12.00' RT	938.60	205392.64	536217.07
705	220+22.23	24.55' LT	938.17	205428.00	536200.74
706	221+78.95	25.22' LT	940.38	205439.28	536357.70
707	225+21.60	12.07' RT	946.50	205410.90	536701.53
708	226+54.56	12.00' RT	949.07	205409.14	536834.21
709	227+19.01	12.00' LT	950.31	205431.53	536899.23
710	227+19.01	12.00' RT	950.31	205407.54	536898.64

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	INTERSECTION DETAILS - STH 67	SHEET 30	E

2

- AP01 HMA PAVEMENT, 5.5-IN
- AP02 HMA PAVEMENT, 6-IN
- AP03 4-INCH MILL & 4-INCH FILL
- CP01 CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
- CP02 CONCRETE SIDEWALK, 4-IN
- CG01 CONCRETE CURB & GUTTER, 30-IN TYPE D
- CG02 CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
- CG03 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
- CG04 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
- CG05 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
- CG06 CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
- MN01 CONCRETE MEDIAN NOSE TYPE 1
- MN02 CONCRETE MEDIAN NOSE TYPE 2
- AF ASPHALTIC FLUME



140-Tighe					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	171+29.55	12.00' RT	949.34	210581.71	535859.54
801	172+09.55	18.00' RT	949.55	210661.78	535864.44
802	172+19.55	18.00' RT	949.58	210671.78	535864.30
803	172+74.50	75.43' RT	948.95	210727.52	535920.97
804	172+76.24	160.59' RT	947.43	210730.42	536006.10
805	172+74.52	199.38' RT	946.73	210729.24	536044.91
806	172+93.50	200.22' RT	946.67	210748.23	536045.49
807	172+95.70	150.46' RT	947.59	210749.75	535995.71
808	173+04.51	75.78' RT	948.97	210757.53	535920.91
809	173+04.95	65.79' RT	949.15	210757.84	535910.91
810	173+54.91	18.00' RT	950.29	210807.12	535862.44
811	174+44.87	12.00' RT	950.89	210897.00	535855.21

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	INTERSECTION DETAILS - TIGHE RD	SHEET 31	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021109-id

PLOT DATE : 11/18/2024 4:58 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

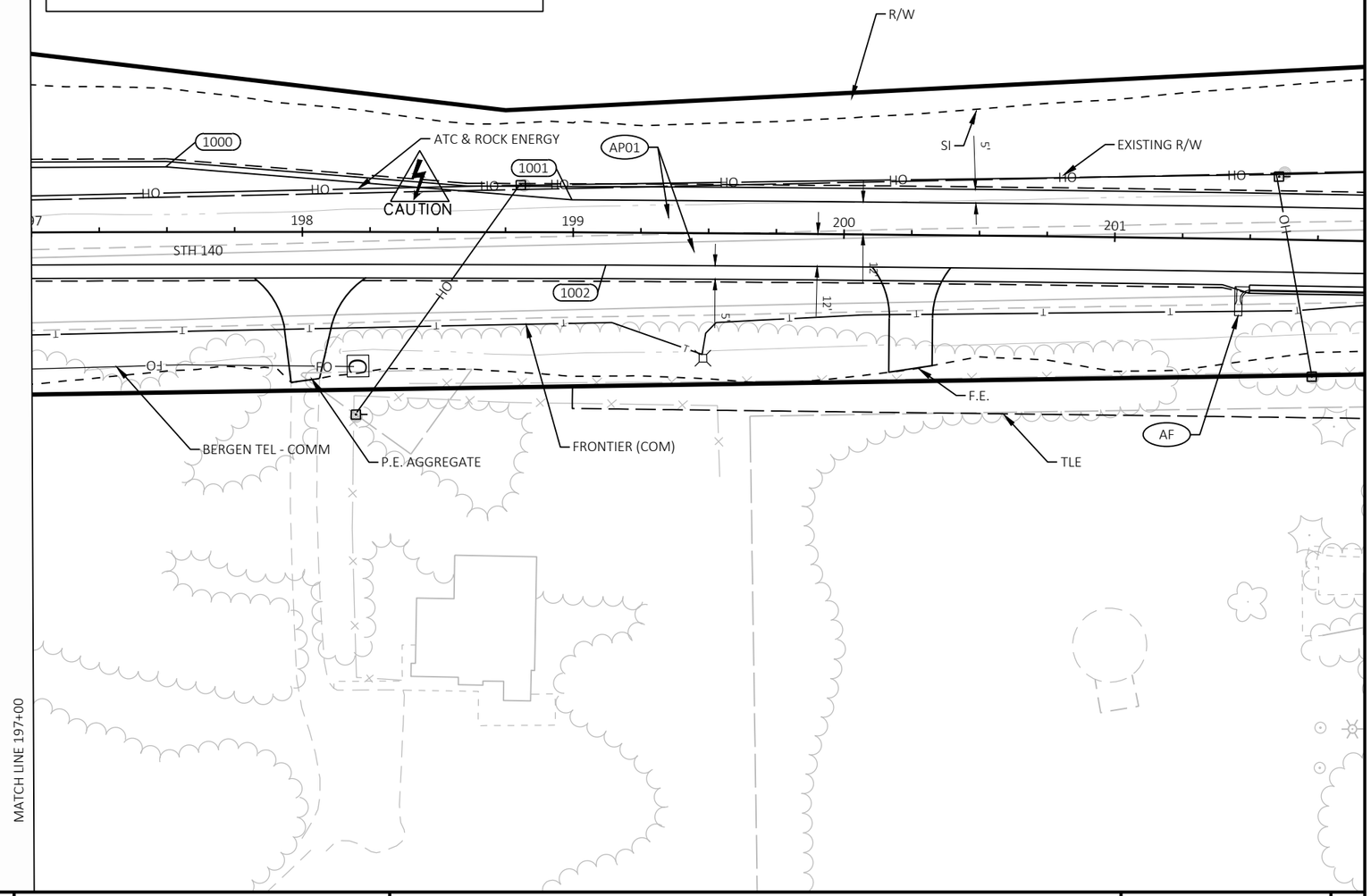
140-P						140-P					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
900	190+26.13	12.00' RT	0.00	212477.64	535810.64	915	195+03.17	67.56' RT	954.15	212954.66	535858.70
901	189+97.14	12.00' LT	0.00	212448.02	535787.42	916	195+43.13	24.00' RT	956.02	212994.34	535814.96
902	190+57.14	12.00' LT	0.00	212508.03	535785.86	917	196+43.18	12.00' RT	958.33	213094.30	535802.82
903	193+21.56	12.00' LT	953.61	212772.54	535780.83	918	195+59.83	24.00' LT	956.33	213010.89	535766.91
904	190+63.67	12.00' RT	953.88	212515.15	535809.69	919	195+49.84	24.00' LT	956.14	213000.89	535766.94
905	192+13.75	24.00' RT	953.05	212665.33	535818.50	920	194+90.29	78.67' LT	954.10	212940.95	535712.54
906	194+03.95	24.00' RT	954.05	212855.31	535815.88	921	194+83.57	113.32' LT	954.26	212934.00	535677.93
907	194+21.51	24.00' LT	954.24	212872.42	535767.72	922	194+63.84	175.86' LT	954.98	212913.73	535615.53
908	194+13.96	24.00' RT	954.15	212865.31	535815.79	923	194+47.22	212.64' LT	954.90	212896.70	535578.87
909	194+73.95	78.87' RT	954.07	212925.60	535870.18	924	194+27.93	202.39' LT	954.02	212877.32	535589.28
910	194+85.37	147.65' RT	954.43	212937.40	535938.88	925	194+43.48	167.91' LT	953.66	212893.28	535623.63
911	194+89.97	175.88' RT	954.69	212942.14	535967.09	926	194+52.80	140.05' LT	953.72	212902.88	535651.42
912	195+11.79	171.98' RT	953.86	212963.77	535963.07	927	194+58.13	108.80' LT	953.79	212908.46	535682.62
913	195+07.28	144.49' RT	953.87	212959.15	535935.61	928	194+60.39	77.38' LT	953.95	212910.96	535714.03
914	195+04.05	77.52' RT	954.06	212955.59	535868.65	929	194+61.25	67.42' LT	954.04	212911.89	535723.99

AP01	HMA PAVEMENT, 5.5-IN
AP02	HMA PAVEMENT, 6-IN
AP03	4-INCH MILL & 4-INCH FILL
CP01	CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
CP02	CONCRETE SIDEWALK, 4-IN
CG01	CONCRETE CURB & GUTTER, 30-IN TYPE D
CG02	CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
CG03	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
CG04	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
CG05	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
CG06	CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
MN01	CONCRETE MEDIAN NOSE TYPE 1
MN02	CONCRETE MEDIAN NOSE TYPE 2
AF	ASPHALTIC FLUME

AP01	HMA PAVEMENT, 5.5-IN
AP02	HMA PAVEMENT, 6-IN
AP03	4-INCH MILL & 4-INCH FILL
CP01	CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
CP02	CONCRETE SIDEWALK, 4-IN
CG01	CONCRETE CURB & GUTTER, 30-IN TYPE D
CG02	CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
CG03	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
CG04	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
CG05	CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
CG06	CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
MN01	CONCRETE MEDIAN NOSE TYPE 1
MN02	CONCRETE MEDIAN NOSE TYPE 2
AF	ASPHALTIC FLUME

140-PN					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1000	197+49.63	24.00' LT	960.89	213200.89	535767.15
1001	198+99.55	12.00' LT	966.09	213350.82	535780.46
1002	199+12.14	12.00' RT	0.00	213363.11	535804.61

N



2

- AP01 HMA PAVEMENT, 5.5-IN
- AP02 HMA PAVEMENT, 6-IN
- AP03 4-INCH MILL & 4-INCH FILL
- CP01 CONCRETE ROUNDABOUT TRUCK APRON, COLORED RED 12-IN
- CP02 CONCRETE SIDEWALK, 4-IN
- CG01 CONCRETE CURB & GUTTER, 30-IN TYPE D
- CG02 CONCRETE CURB & GUTTER, 6-IN SLOPED 36-IN TYPE D
- CG03 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE T
- CG04 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D
- CG05 CONCRETE CURB & GUTTER, 4-IN SLOPED 36-IN TYPE D (REJECT)
- CG06 CONCRETE CURB & GUTTER, 30-IN TYPE D (REJECT)
- MN01 CONCRETE MEDIAN NOSE TYPE 1
- MN02 CONCRETE MEDIAN NOSE TYPE 2
- AF ASPHALTIC FLUME

140-Lakeshore					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1100	223+01.68	12.00' RT	965.75	215752.72	535809.09
1101	223+12.28	12.00' LT	965.74	215763.25	535785.05
1102	223+72.30	18.00' LT	965.46	215823.26	535778.88
1103	223+81.69	18.00' RT	965.68	215832.74	535814.85
1104	223+91.69	18.00' RT	965.67	215842.74	535814.83
1105	224+57.75	64.84' RT	965.23	215908.91	535861.51
1106	224+88.94	138.68' RT	965.12	215940.28	535935.27
1107	224+99.36	168.40' RT	965.22	215950.77	535964.97
1108	225+18.23	161.78' RT	965.26	215969.62	535958.31
1109	225+13.53	148.38' RT	965.20	215964.89	535944.92
1110	224+95.09	80.67' RT	965.03	215946.29	535877.25
1111	224+91.78	71.23' RT	965.16	215942.96	535867.82
1112	225+29.53	18.00' RT	966.17	215980.58	535814.50
1113	225+89.53	12.00' RT	966.66	216040.56	535808.35
1114	226+00.13	12.00' LT	966.73	216051.11	535784.33

140-Lakeshore					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1115	225+20.13	18.00' LT	966.14	215971.09	535778.52
1116	225+10.13	18.00' LT	966.07	215961.09	535778.54
1117	224+44.07	64.84' LT	963.85	215894.92	535731.86
1118	224+12.89	138.68' LT	961.37	215863.56	535658.10
1119	224+00.78	173.23' LT	960.75	215851.36	535623.58
1120	223+81.90	166.61' LT	960.61	215832.51	535630.24
1121	223+88.29	148.38' LT	960.98	215838.94	535648.45
1122	224+06.73	80.67' LT	962.91	215857.54	535716.12
1123	224+10.04	71.23' LT	963.24	215860.87	535725.55

N

FRONTIER (COM)
EXISTING R/W
R/W
ATC & ROCK ENERGY
CAUTION
SI
ATC (ELEC.)
ROCK ENERGY
LAKESHORE RD
STH 140
STA 224+50.91
STA 30+00.00 "LS"
109°
29'1.5"
30'1.5"
31'1.5"
32'1.5"
OH
HQ
T
221
222
223
224
225
226
227
228

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	INTERSECTION DETAILS - LAKESHORE RD	SHEET 34	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021112-id
PLOT DATE : 11/18/2024 4:58 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

MATCH LINE 117+50

HP: 113+49.89 "SB"

HP: 113+68.32 "NB"

110"NB"

111"SB"

111"NB"

112"SB"

112"NB"

STH 140

113"SB"

113"NB"

114"SB"

114"NB"

115"SB"

115"NB"

116"SB"

116"NB"

117"SB"

117"NB"

51"SE"

2.0%

2.1%

941.22 940.97 940.72 940.46 940.17 939.85 939.49 939.11 938.69 938.23

941.58 941.32 941.04 940.75 940.43 940.07 939.68 939.26 938.82

940.47 940.14 939.77 939.36 938.93 938.47

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN DETAILS - STH 140	SHEET 35	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-pd

PLOT DATE : 11/18/2024 4:59 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

MATCH LINE 215+00"EB"

2

MATCH LINE 125+00

N

STH 67

STH 140

LP: 20+79.20 "C"

HP: 22+50.52 "C"

HP: 35+86.05 "NW"

LP: 122+81.39 "SB"

LP: 122+84.11 "NE"

LP: 53+16.57 "SE"

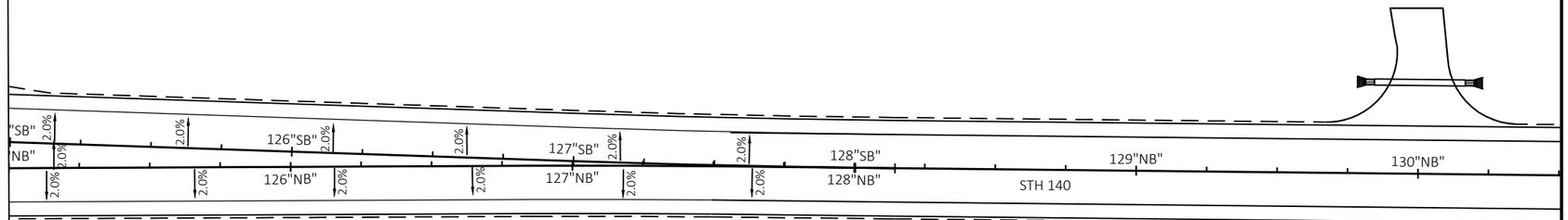
MATCH LINE 117+50

MATCH LINE 219+75"EB"

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN DETAILS - STH 140 & STH 67	SHEET 36 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-pd
PLOT DATE : 11/18/2024 4:59 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



MATCH LINE 125+00

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN DETAILS - STH 140	SHEET 37	E

2

N

MATCH LINE 215+00

XXXXX

208"WB" 208"EB" 209"WB" 209"EB" 210"WB" 210"EB" STH 67 211"WB" 211"EB" 212"WB" 212"EB" 213"WB" 213"EB" 214"WB" 214"EB" 215' 215

31"NW" 32"NW" 33"NW" 34"NW" 61"SW"

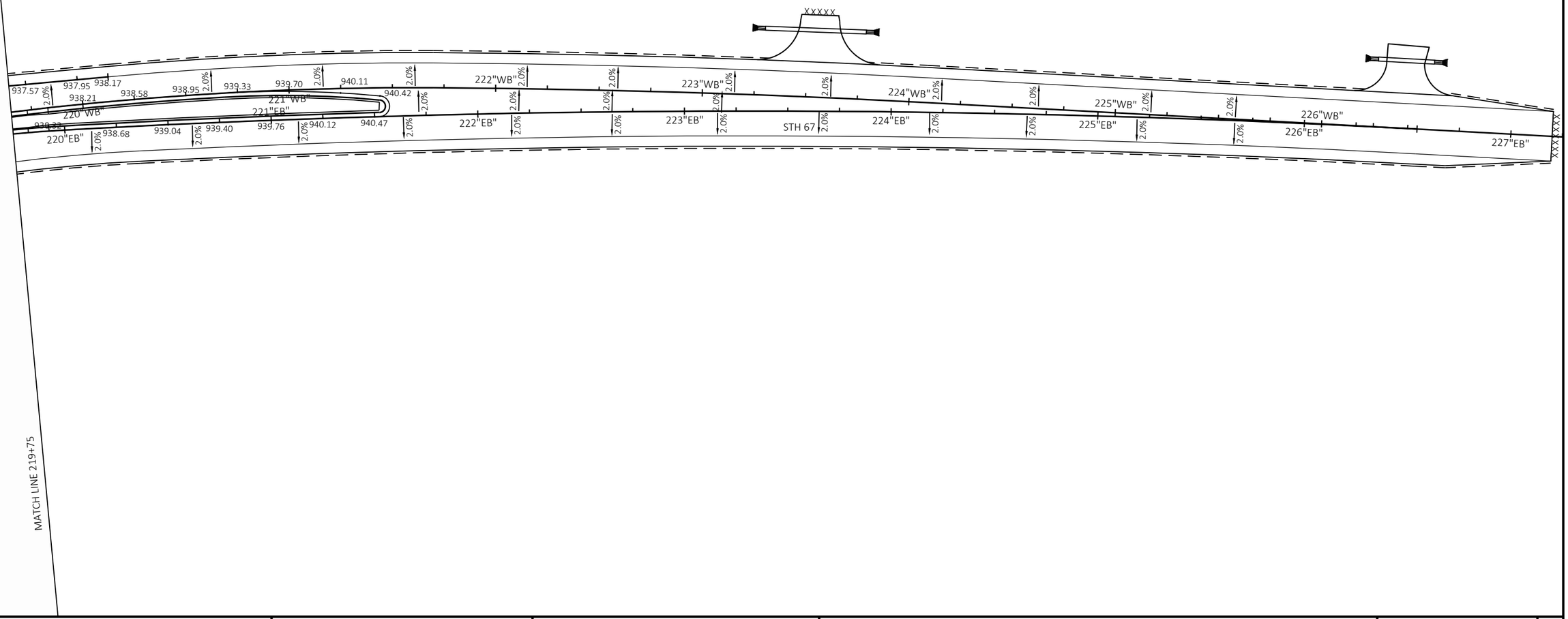
926.61 926.95 927.30 927.64 927.99 928.34 928.70 929.05 929.41 929.83 930.06 930.21 930.37 930.46 930.56 930.68 930.82 930.91 931.01 931.17 931.18 931.25 931.38 931.53 931.54 931.60 931.74 931.89 931.90 931.95 932.11 932.25 932.26 932.31 932.49 932.60

2.0% 2.1%

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN DETAILS - STH 67	SHEET 38	E

2

N



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN DETAILS - STH 67	SHEET 39	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd
PLOT DATE : 11/18/2024 4:59 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

STATE LINE RD

12+00 "ST"

12+00 "ST"

12+00 "ST"

61+00 "NB"

62+00 "NB"

63+00 "NB"

64+00 "NB"

STH 140

65+00 "NB"

66+00 "NB"

67+00 "NB"

N

PRW

MATCH LINE 67+75

IMPACTED WETLAND W8,
TYPE M, 0.054 ACRES

LEGEND

EROSION MAT CLASS II, TYPE C

EROSION MAT CLASS I, TYPE B

RIP RAP

TEMPORARY DITCH CHECK

CULVERT PIPE CHECK

SURFACE WATER FLOW

SLOPE INTERCEPT

SILT FENCE

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

N

BERGEN RD

11+00 "B"

68+00 "NB"

69+00 "NB"

STH 140

70+00 "NB"

71+00 "NB"

72+00 "NB"

73+00 "NB"

74+00 "NB"

75+00

MATCH LINE 67+75

MATCH LINE 75+00

RIPRAP MEDIUM

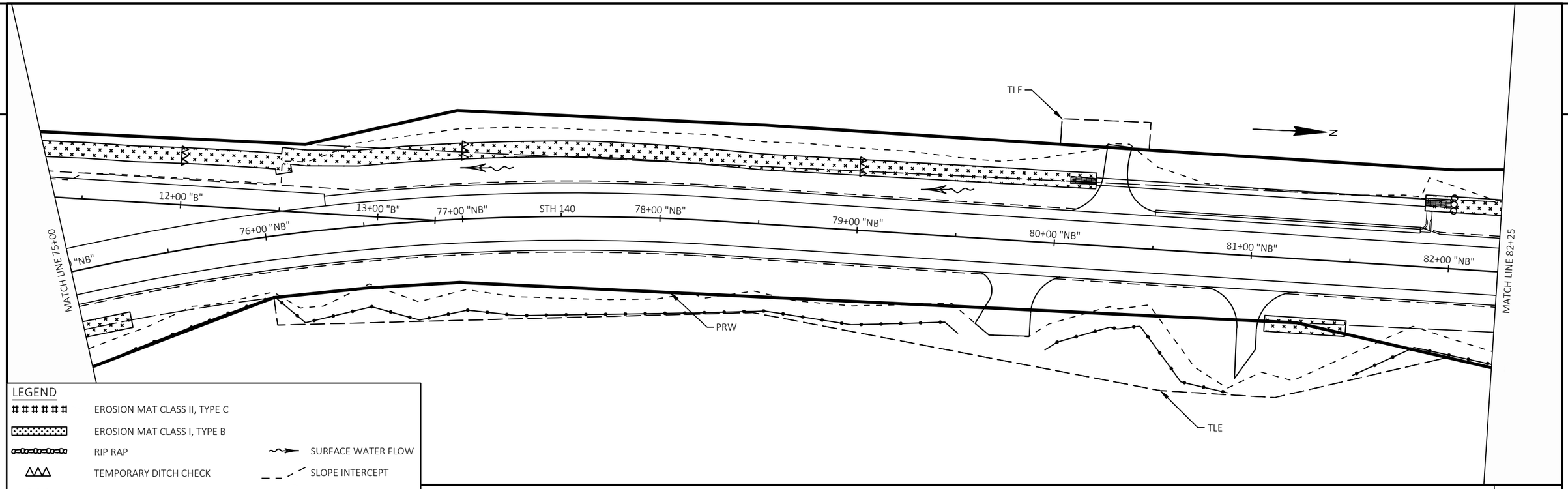
PRW

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 40	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 01

PLOT DATE : 11/18/2024 5:00 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

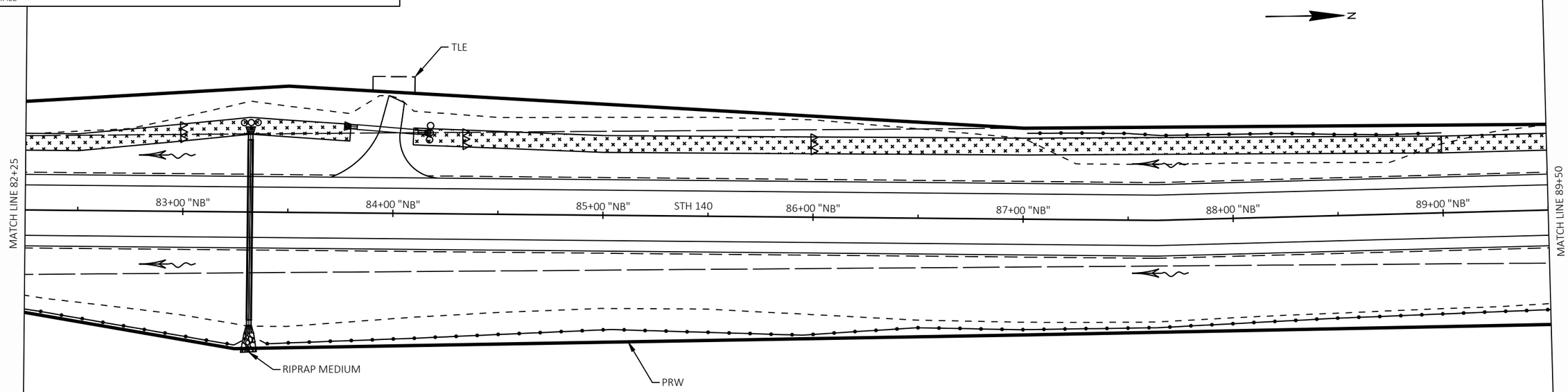


2

LEGEND

- EROSION MAT CLASS II, TYPE C
- EROSION MAT CLASS I, TYPE B
- RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE

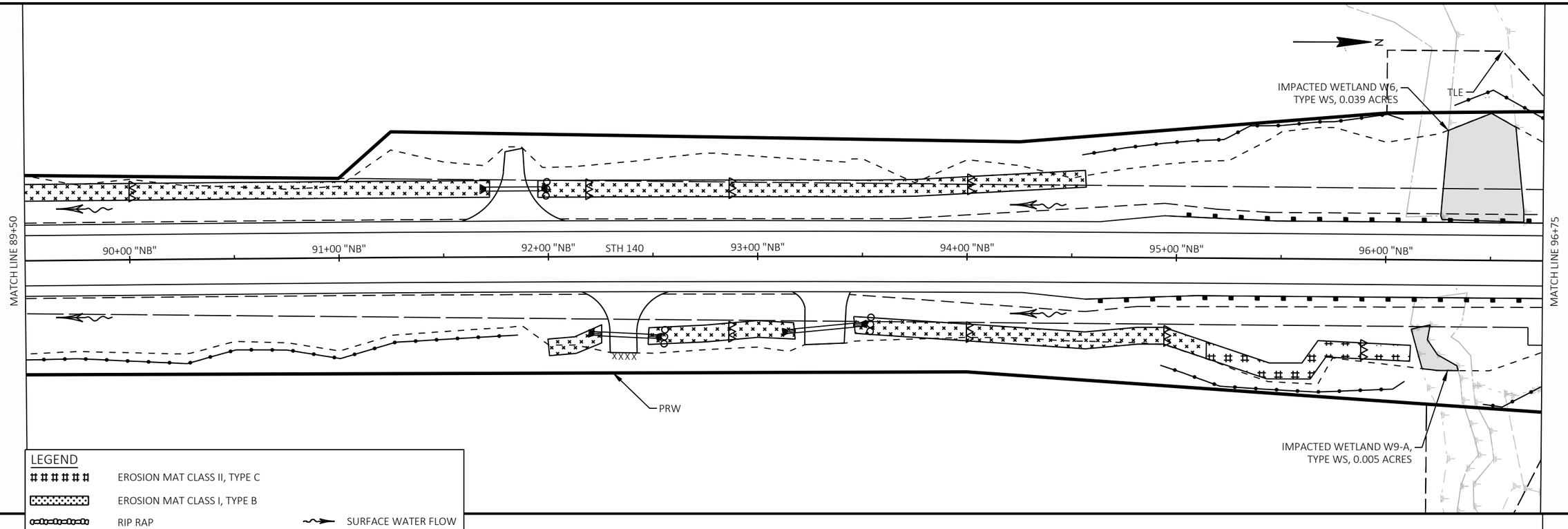
NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 41	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02
PLOT DATE : 11/18/2024 5:00 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

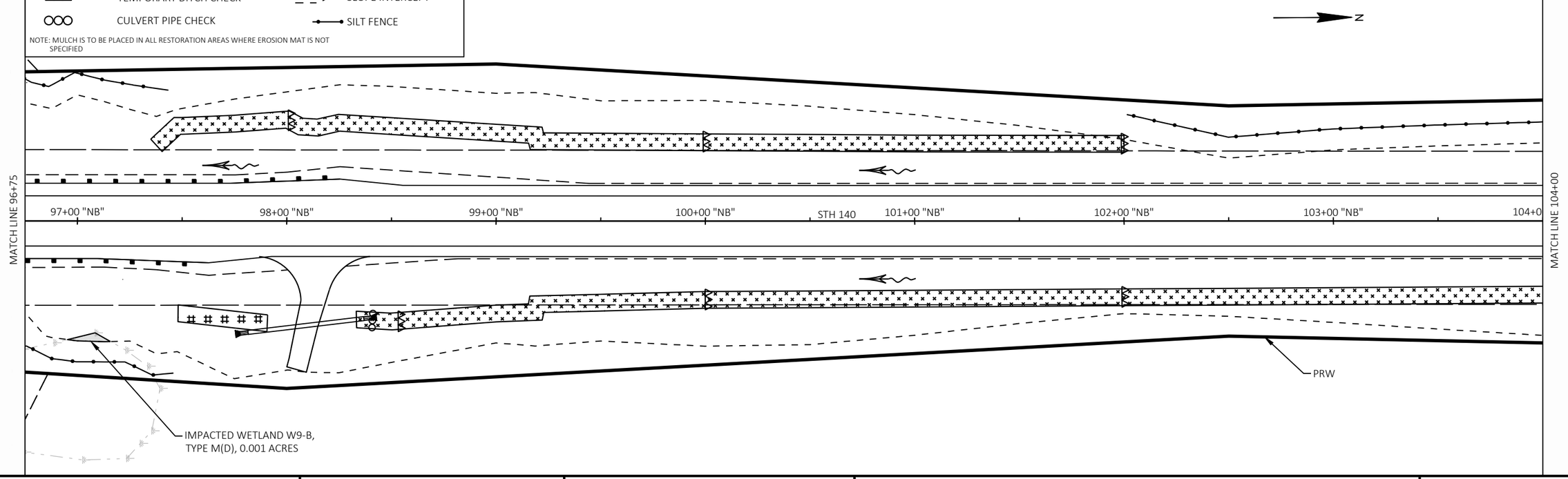
2



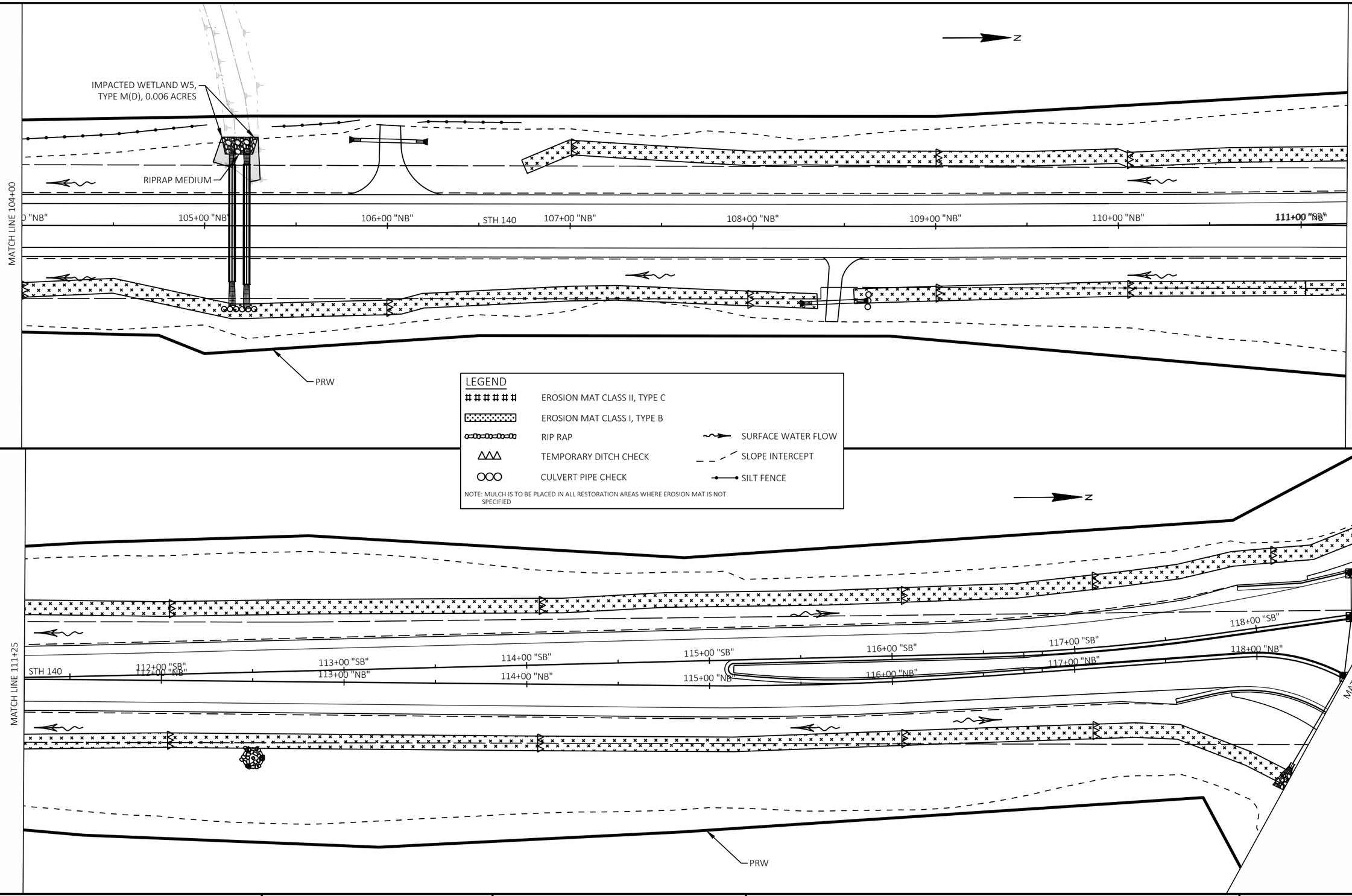
LEGEND

- EROSION MAT CLASS II, TYPE C
- EROSION MAT CLASS I, TYPE B
- RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED



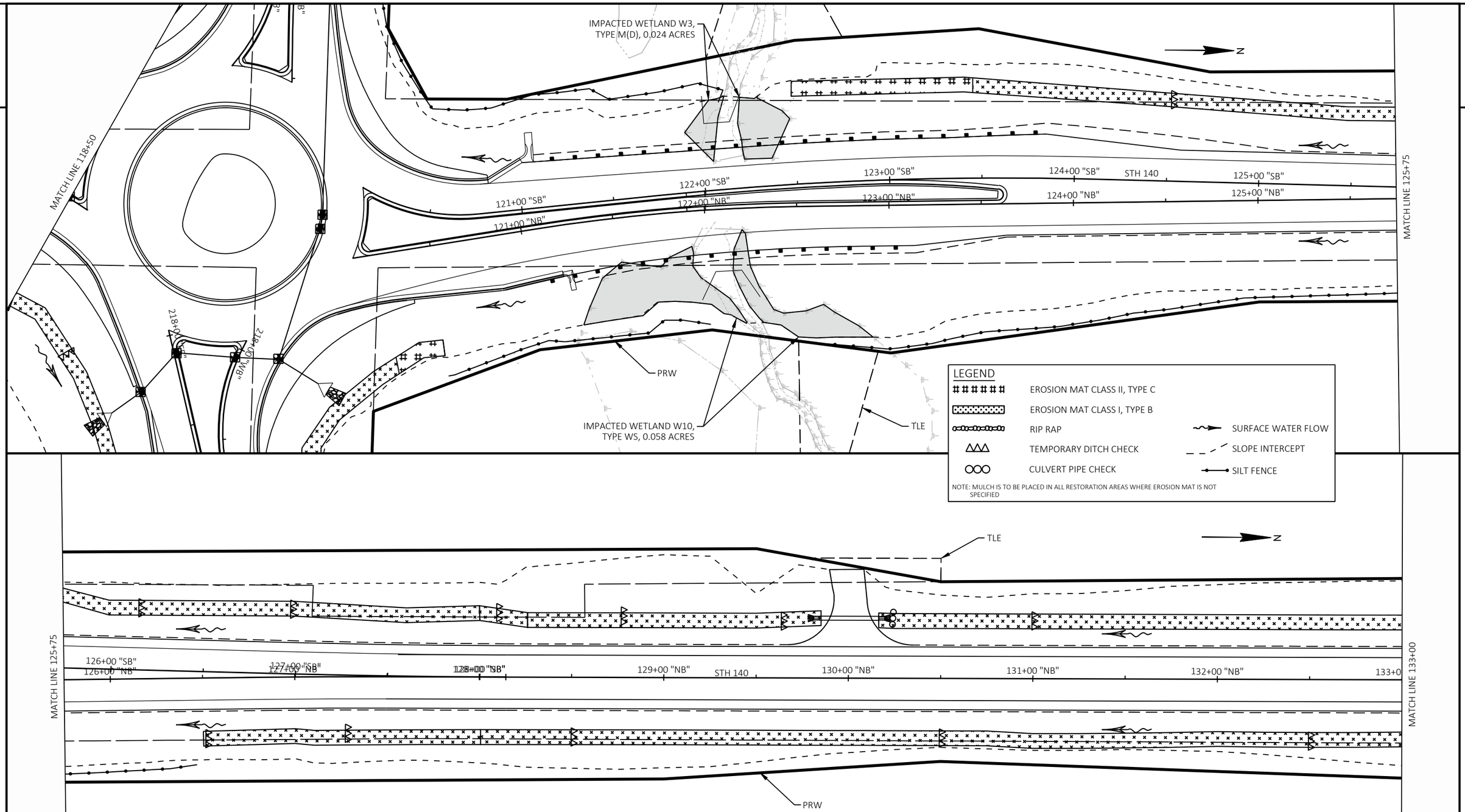
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 42	E



2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 43	E

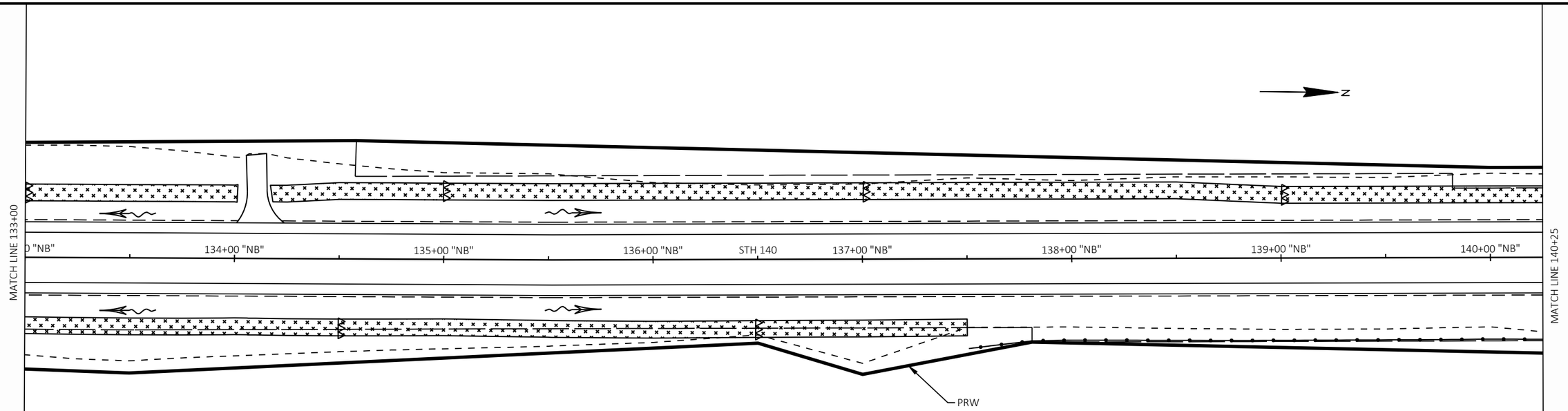
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 04
PLOT DATE : 11/18/2024 5:01 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 44	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 05
PLOT DATE : 11/18/2024 5:01 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

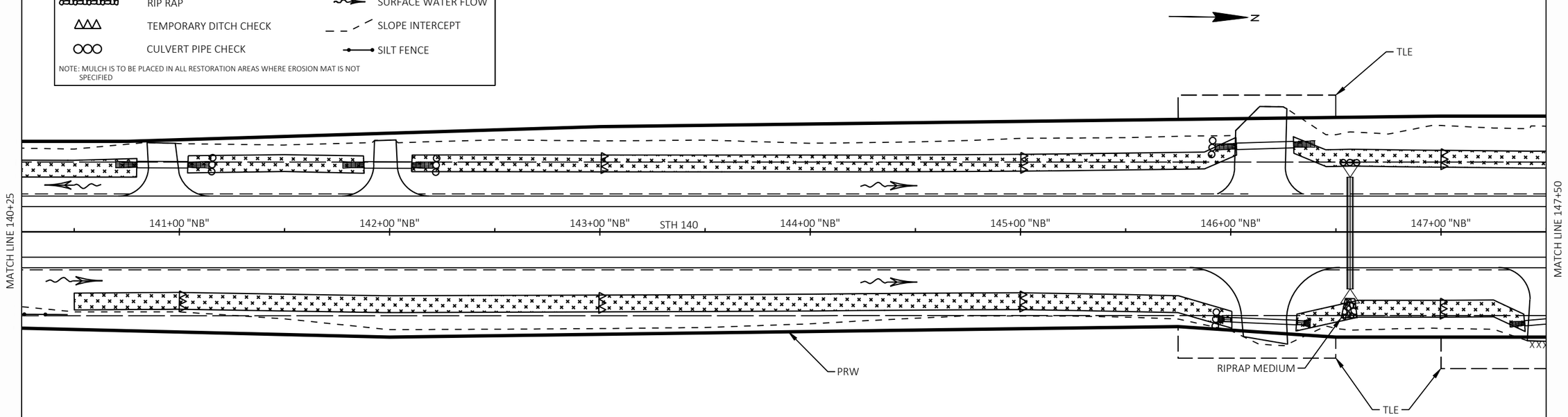
2



LEGEND

- EROSION MAT CLASS II, TYPE C
- EROSION MAT CLASS I, TYPE B
- RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE

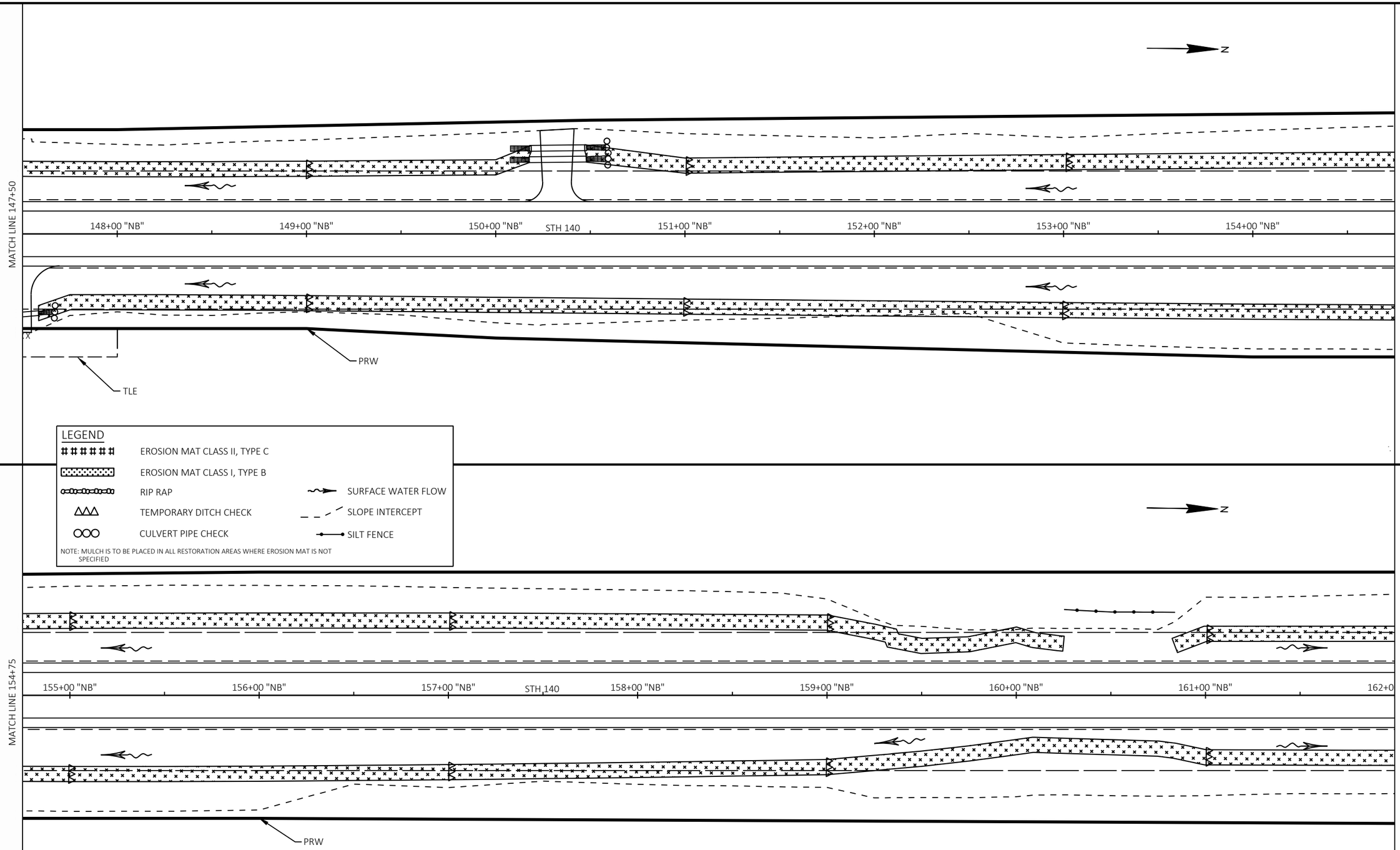
NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 45	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 06
PLOT DATE : 11/18/2024 5:02 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

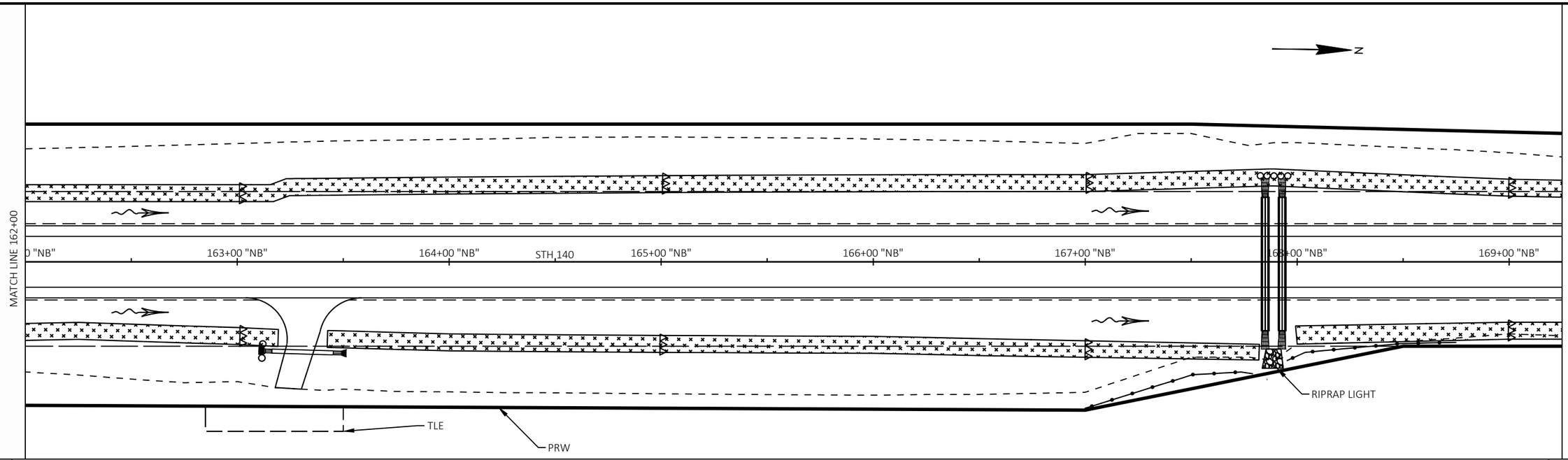
2

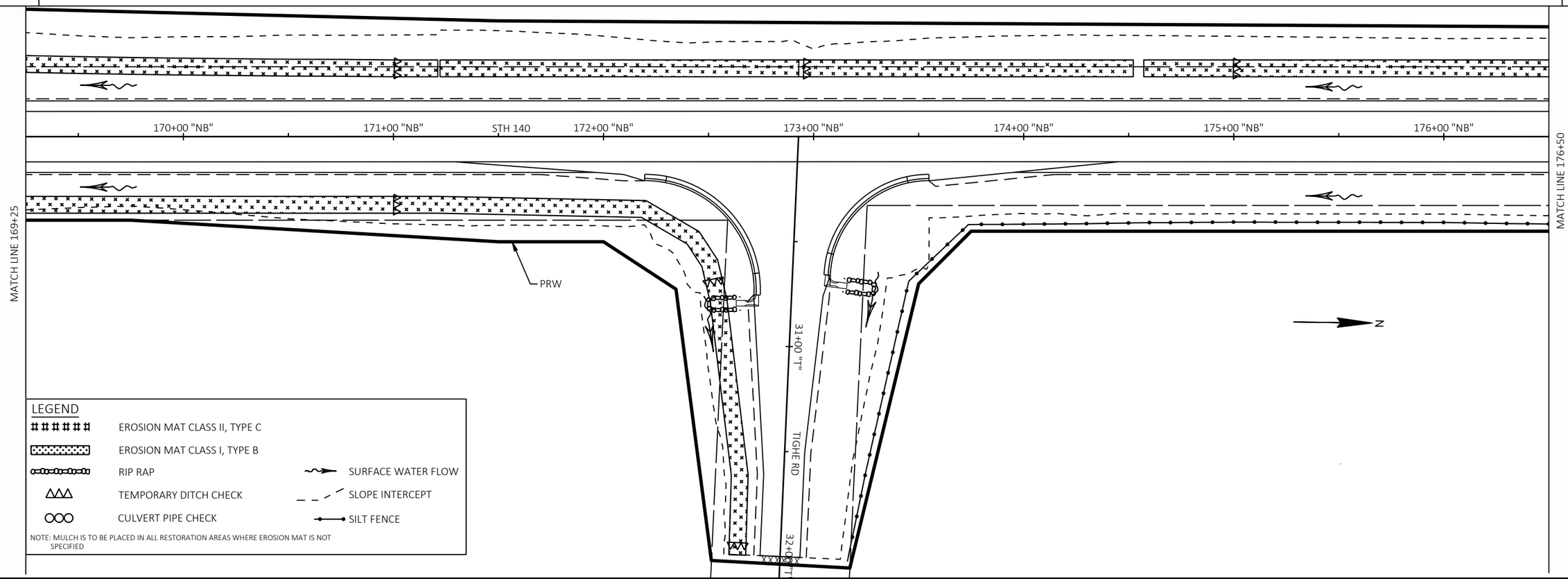


2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 46	E

2





PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 47	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 08
PLOT DATE : 11/18/2024 5:03 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

N

MATCH LINE 176+50

177+00 "NB"

178+00 "NB"

STH 140

179+00 "NB"

180+00 "NB"

181+00 "NB"

182+00 "NB"

183+00 "NB"

MATCH LINE 183+75

PRW

TLE

TLE

LEGEND

EROSION MAT CLASS II, TYPE C

EROSION MAT CLASS I, TYPE B

RIP RAP

TEMPORARY DITCH CHECK

CULVERT PIPE CHECK

SURFACE WATER FLOW

SLOPE INTERCEPT

SILT FENCE

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

TLE

N

MATCH LINE 183+75

184+00 "NB"

185+00 "NB"

186+00 "NB"

187+00 "NB"

STH 140

188+00 "NB"

189+00 "NB"

190+00 "NB"

191+0

MATCH LINE 191+00

PRW

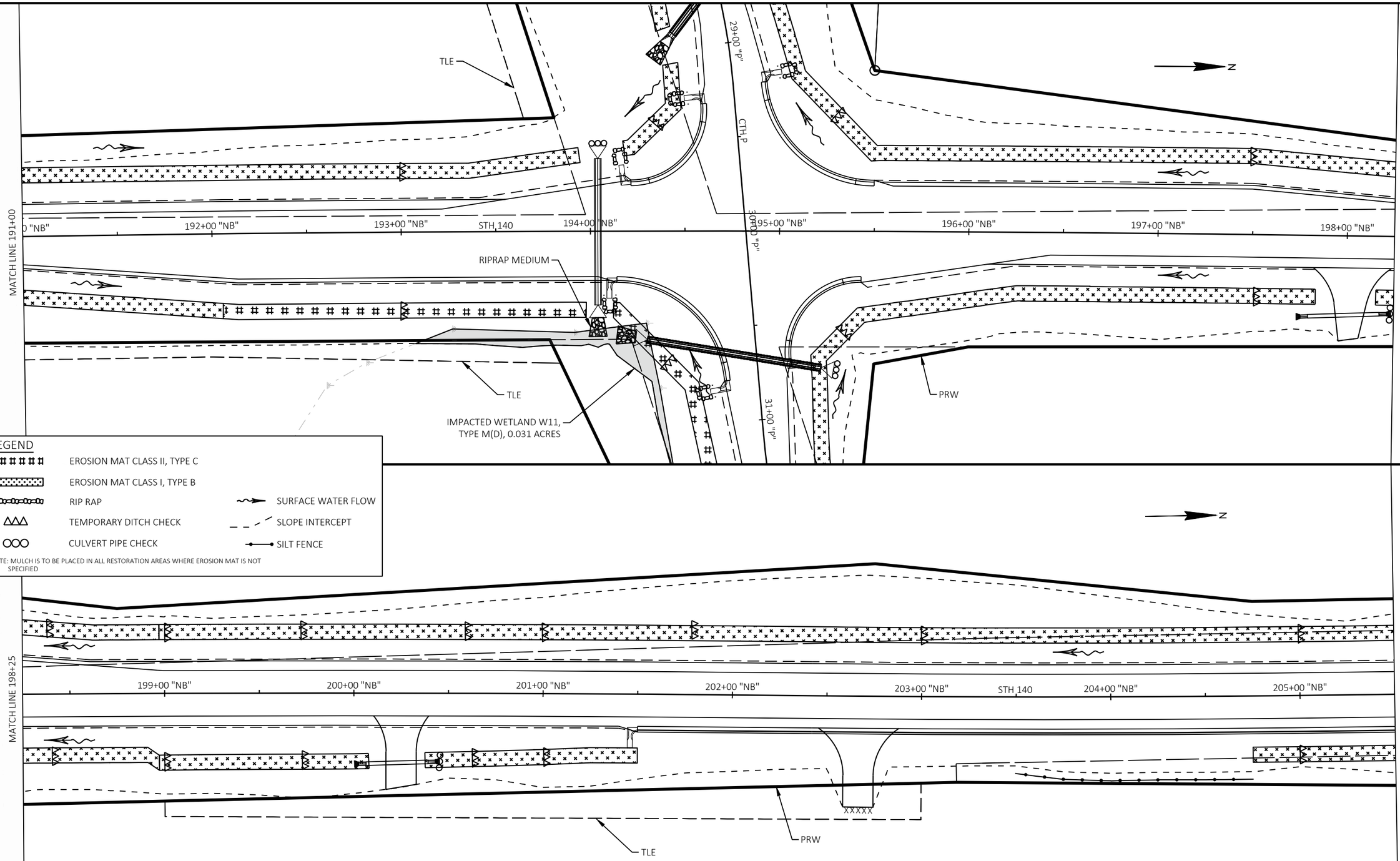
TLE

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 48	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 09

PLOT DATE : 11/18/2024 5:03 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



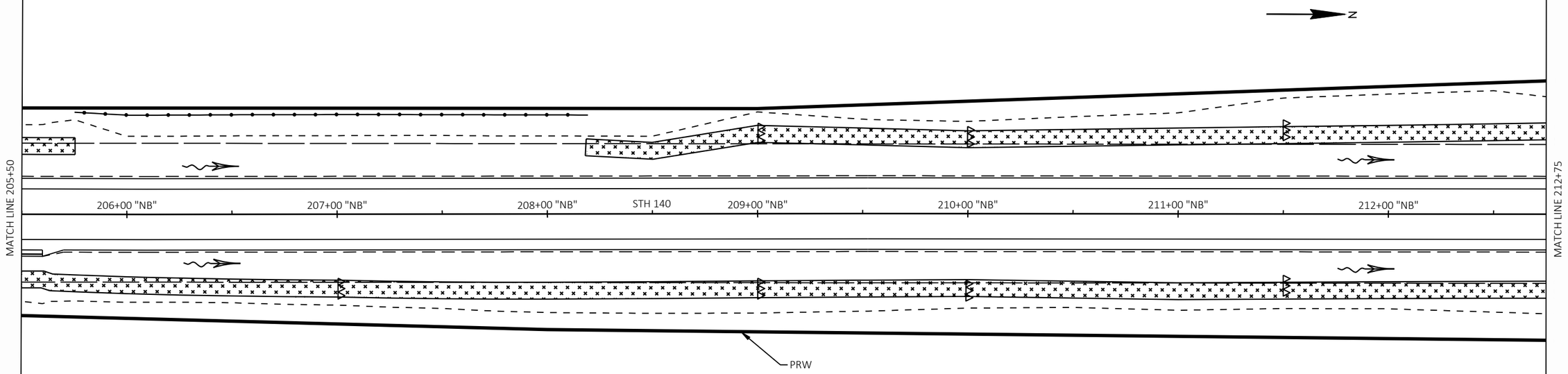
LEGEND

- EROSION MAT CLASS II, TYPE C
- EROSION MAT CLASS I, TYPE B
- RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 49	E

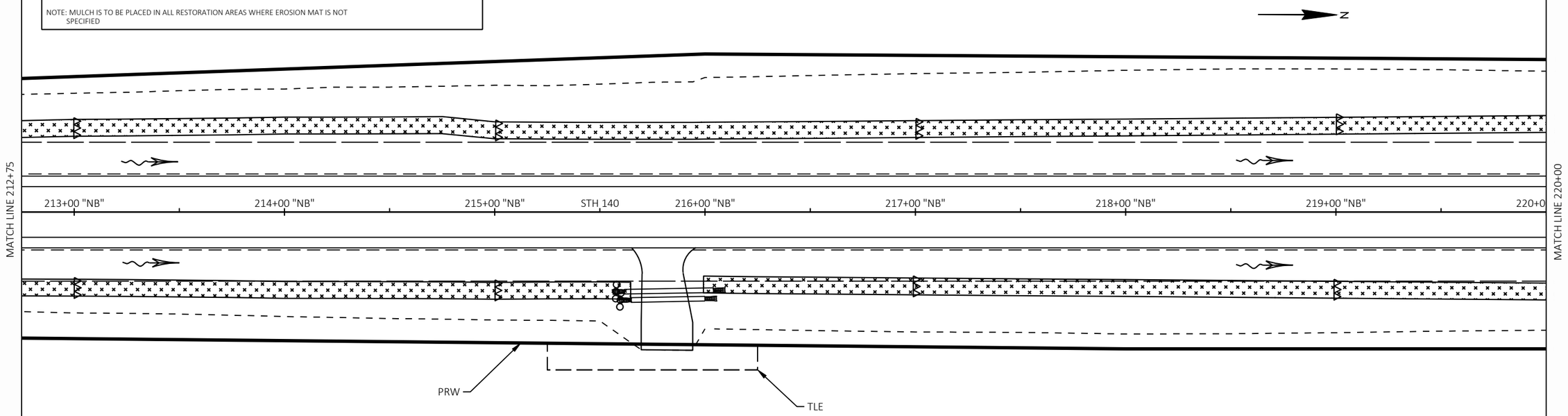
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LEGEND

- EROSION MAT CLASS II, TYPE C
- EROSION MAT CLASS I, TYPE B
- RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE

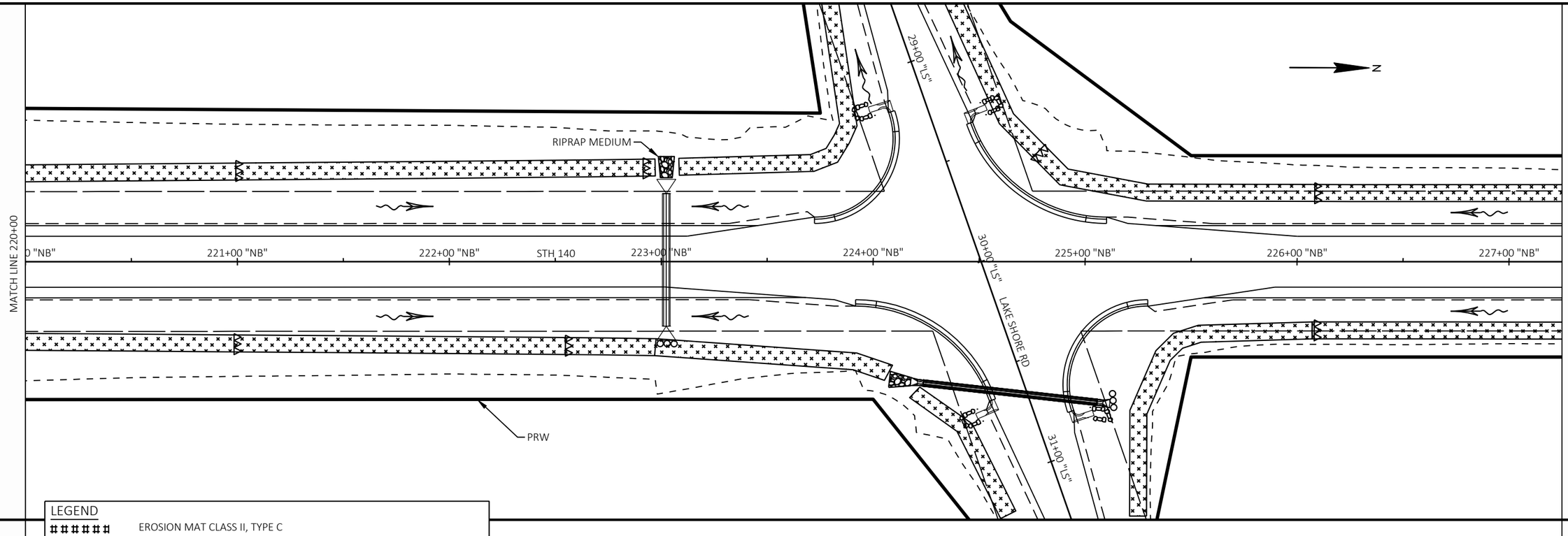
NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 50	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 11
PLOT DATE : 11/18/2024 5:04 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

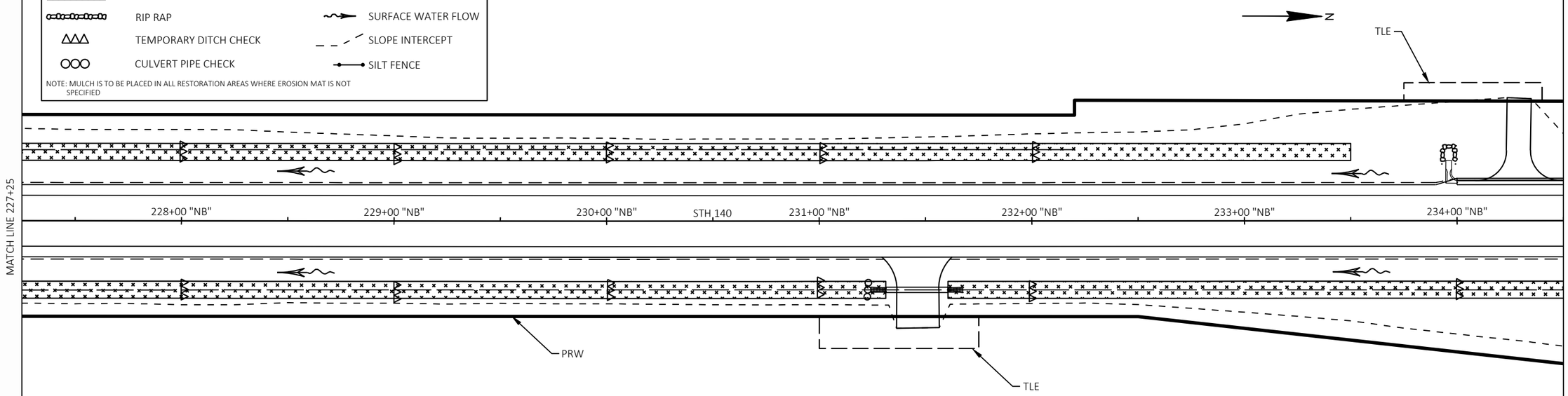
2



LEGEND

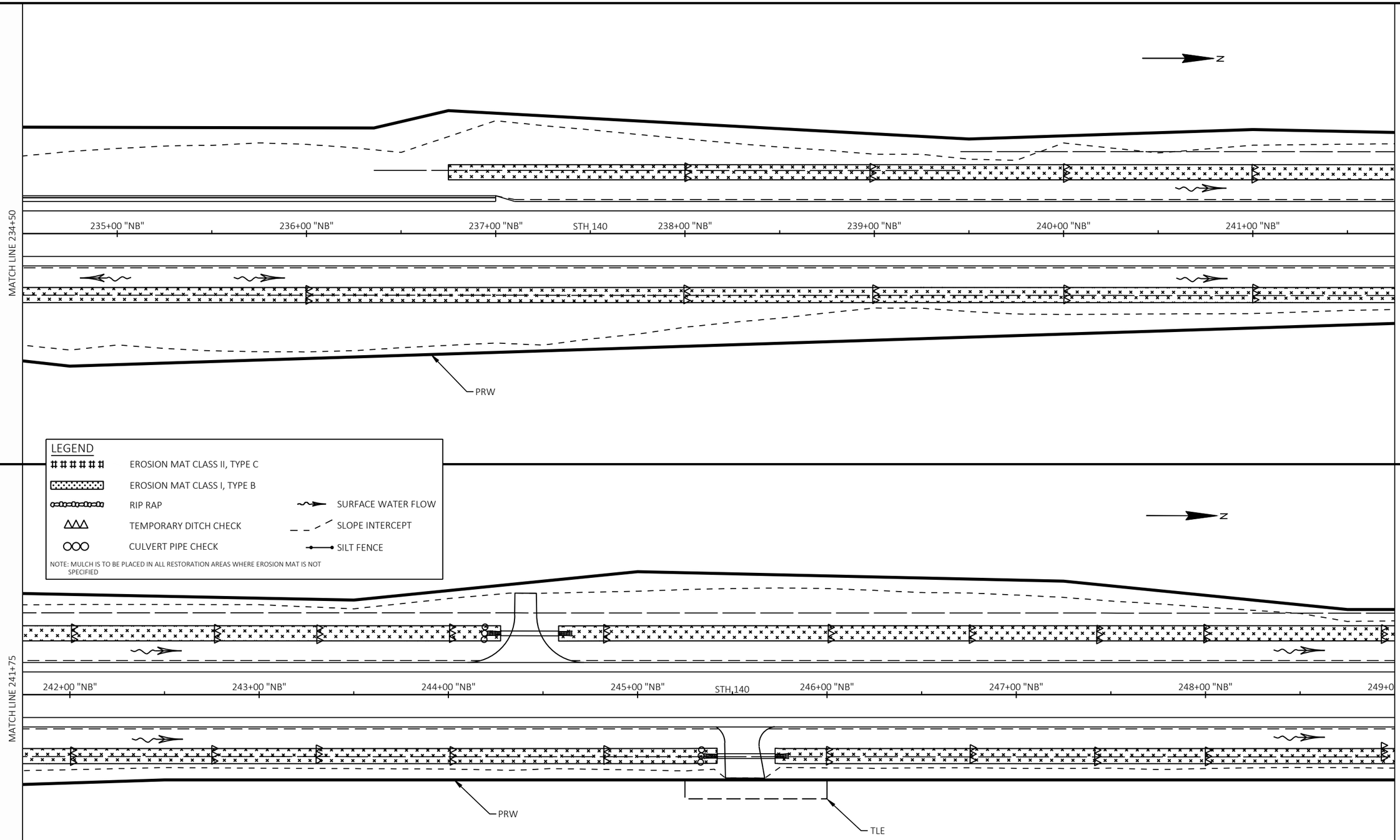
- EROSION MAT CLASS II, TYPE C
- EROSION MAT CLASS I, TYPE B
- RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 51	E

2



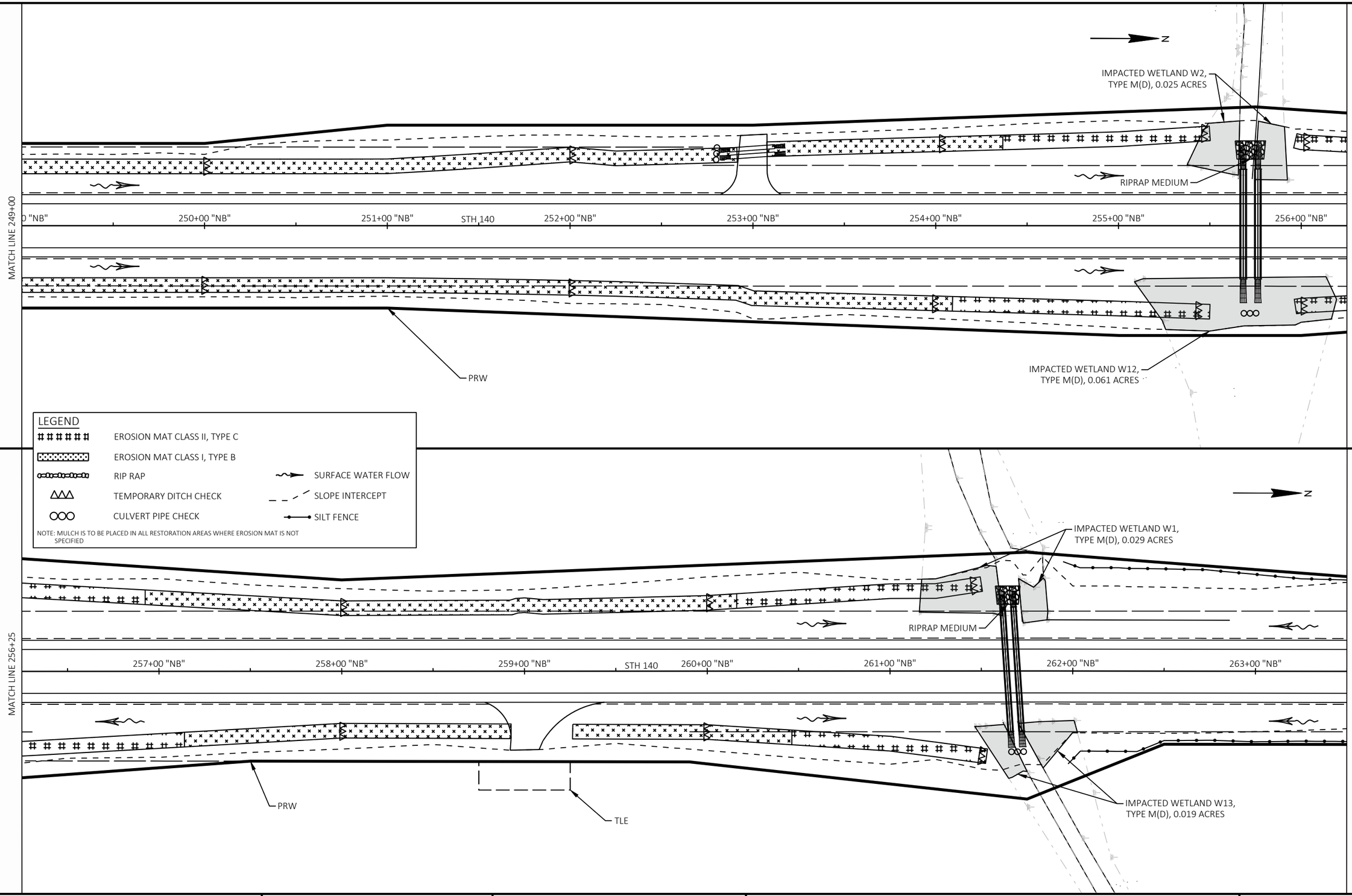
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 52	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 13
PLOT DATE : 11/18/2024 5:05 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

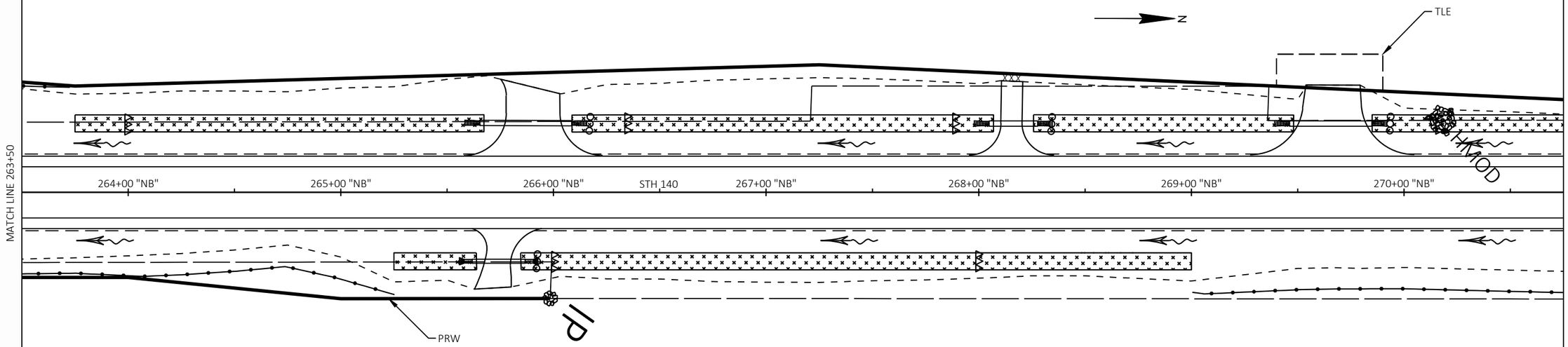


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 53	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 14

PLOT DATE : 11/19/2024 12:06 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

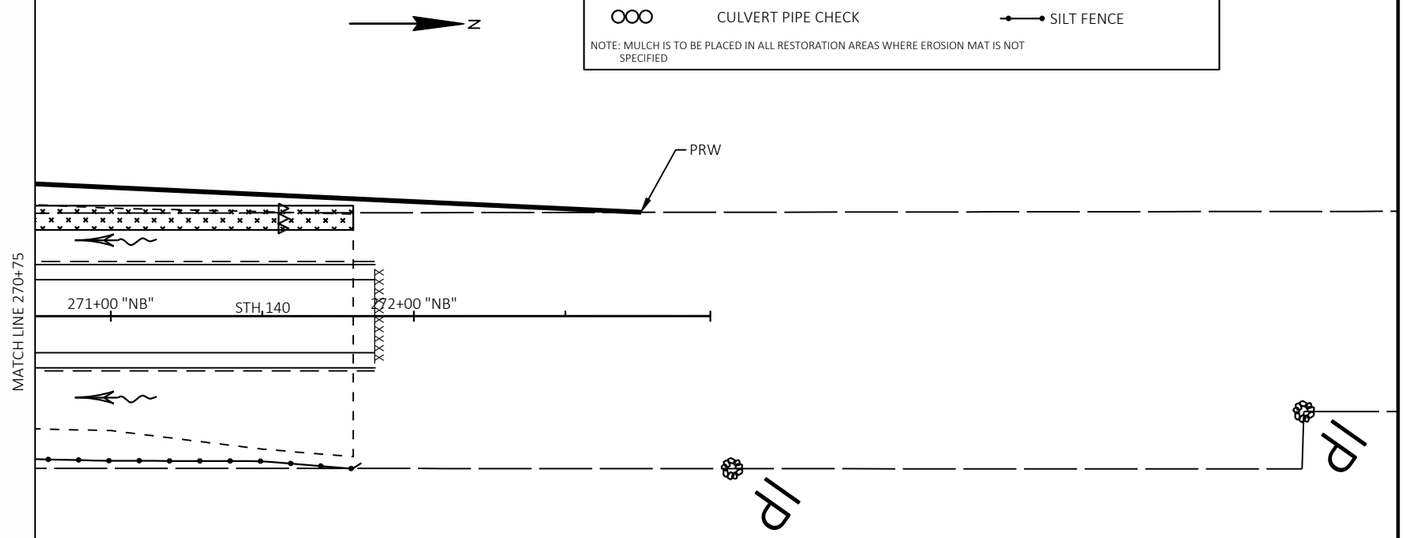
2



LEGEND

########	EROSION MAT CLASS II, TYPE C	~~→	SURFACE WATER FLOW
⋰⋰⋰⋰⋰⋰⋰	EROSION MAT CLASS I, TYPE B	- - ⟋	SLOPE INTERCEPT
⋯▭⋯▭⋯▭⋯	RIP RAP	⊸⊸	SILT FENCE
△△△	TEMPORARY DITCH CHECK		
○○○	CULVERT PIPE CHECK		

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 54	E

2

IMPACTED WETLAND W4,
TYPE WS, 0.035 ACRES

STH 67

208+00 "WB"
208+00 "EB"
209+00 "WB"
209+00 "EB"
210+00 "WB"
210+00 "EB"
211+00 "WB"
211+00 "EB"
212+00 "WB"
212+00 "EB"
213+00 "WB"
213+00 "EB"
214+00 "WB"
214+00 "EB"

MATCH LINE 214+50

PRW

N

LEGEND

- EROSION MAT CLASS II, TYPE C
- EROSION MAT CLASS I, TYPE B
- RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- INLET PROTECTION TYPE C
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

STH 140

RIPRAP MEDIUM

MATCH LINE 214+50

215+00 "WB"
215+00 "EB"
STH 67
216+00 "WB"
216+00 "EB"
218+00 "WB"
218+00 "EB"
219+00 "WB"
219+00 "EB"
220+00 "WB"
220+00 "EB"
221+00 "WB"
221+00 "EB"

MATCH LINE 221+75

PRW

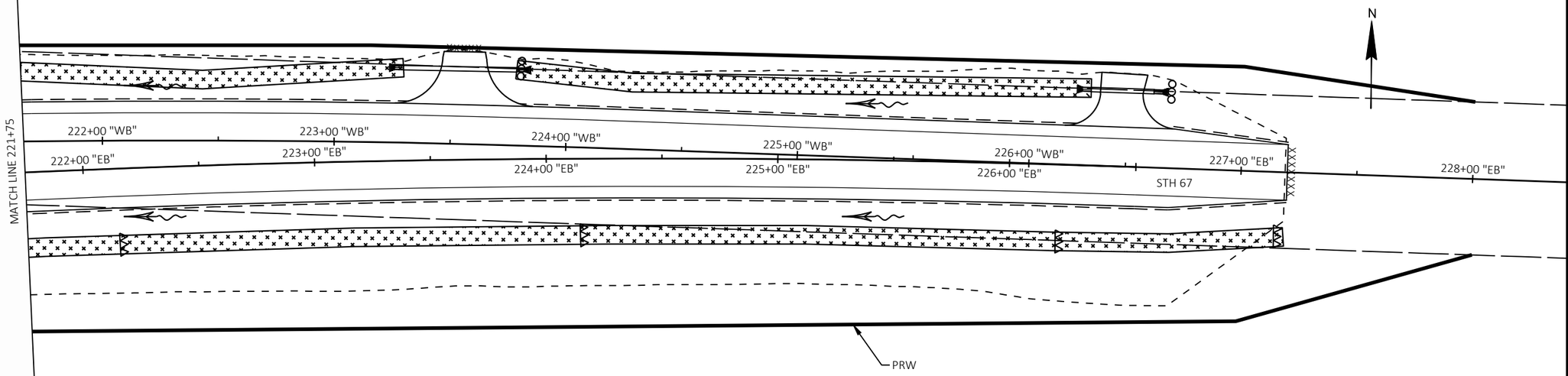
RIPRAP MEDIUM

STH 140

N

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 55	E

2



LEGEND

- EROSION MAT CLASS II, TYPE C
- EROSION MAT CLASS I, TYPE B
- RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 56	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 17
PLOT DATE : 11/18/2024 5:06 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

21+00 "P"

22+00 "P"

23+00 "P"

24+00 "P"

25+00 "P"

26+00 "P"

CTH P

MATCH LINE 26+75

PRW

LEGEND

EROSION MAT CLASS II, TYPE C

EROSION MAT CLASS I, TYPE B

RIP RAP

TEMPORARY DITCH CHECK

CULVERT PIPE CHECK

SURFACE WATER FLOW

SLOPE INTERCEPT

SILT FENCE

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PRW

27+00 "P"

28+00 "P"

29+00 "P"

CTH P

MATCH LINE 26+75

RIPRAP MEDIUM

194+00 "NB"

STH 140

195+00 "NB"

30+00 "P"

31+00 "P"

32+00 "P"

CTH P

MATCH LINE 32+50

N

PRW

RIPRAP MEDIUM

PRW

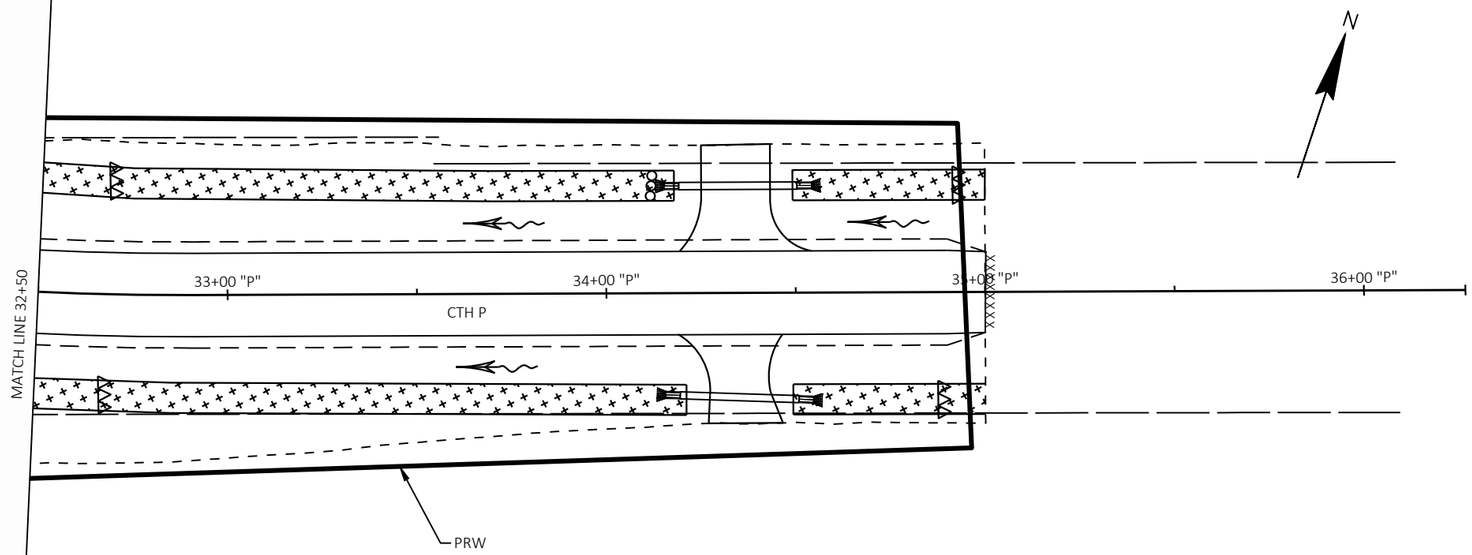
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 57	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 18

PLOT DATE : 11/18/2024 5:07 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

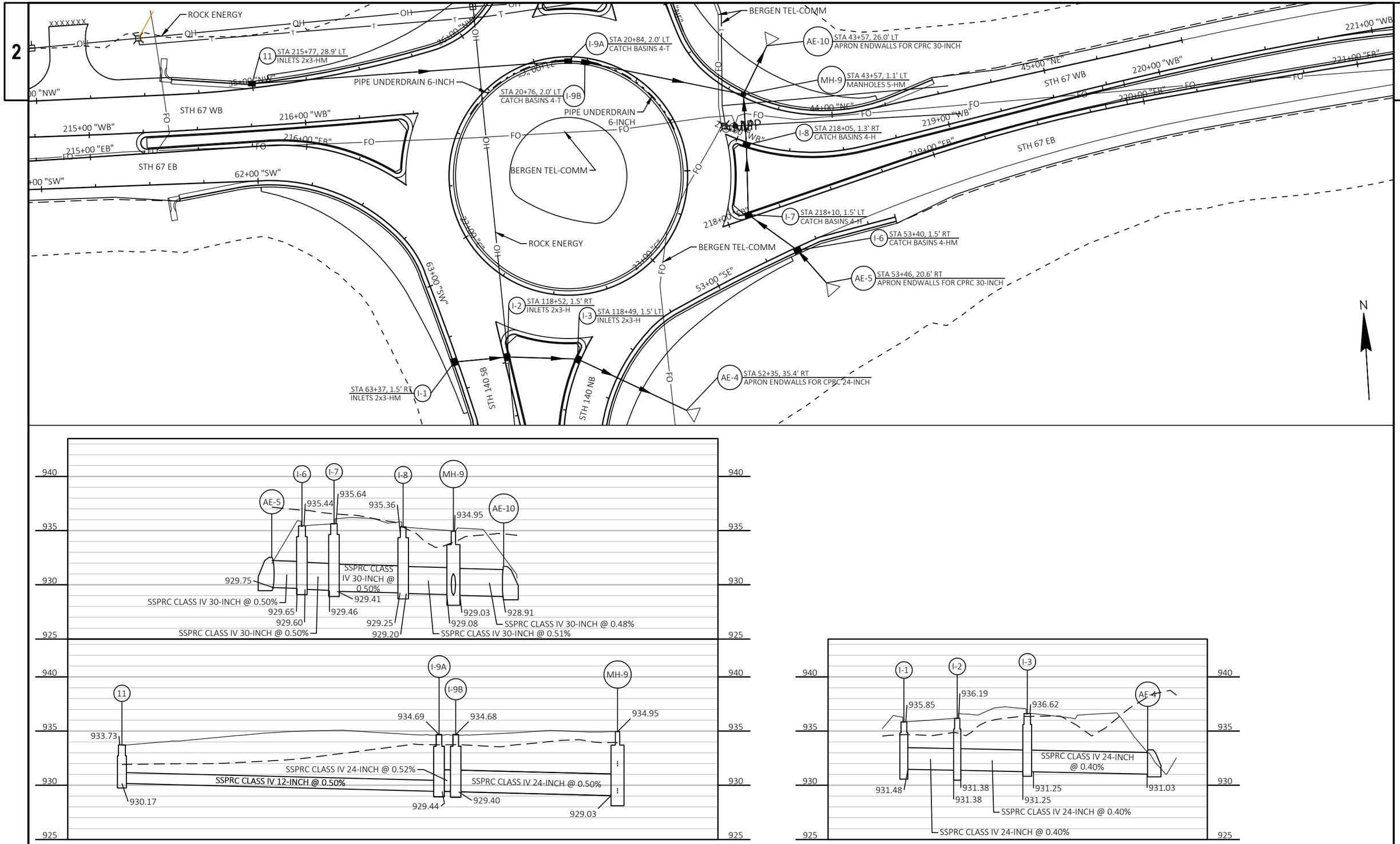


LEGEND

- EROSION MAT CLASS II, TYPE C
- EROSION MAT CLASS I, TYPE B
- RIP RAP
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE

NOTE: MULCH IS TO BE PLACED IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	EROSION CONTROL	SHEET 58	E



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	STORM SEWER	SHEET 59	E

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

STATE LINE RD

STH 140

BERGEN RD

R1-01 REMOVE — Rock Co / END / ILLINOIS 76 — ESTR / ESTR

R1-02 REMOVE — ADOPT A HIGHWAY

R1-03 REMOVE — STOP

R1-04 REMOVE — WELCOME TO WISCONSIN

R1-05 REMOVE — NORTH ALTERNATE / 140 / 39

R1-06 REMOVE — STOP

R1-07 REMOVE

R1-08 REMOVE — STOP

BERGEN — MOVE BY OTHERS

STH140 — MOVE BY OTHERS

R1-09 REMOVE — NO PASSING ZONE

R1-10 REMOVE — NO PASSING ZONE

56"NB" 58"NB" 60"NB" 62"NB" 12"ST" 64"NB" 66"NB" 68"NB" 70"NB"

72"NB" 74"NB" 76"NB" 12"B" 78"NB" 80"NB" 82"NB" 84"NB" 86"NB"

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	SIGNING REMOVALS	SHEET 60	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 01

PLOT DATE : 11/21/2024 1:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

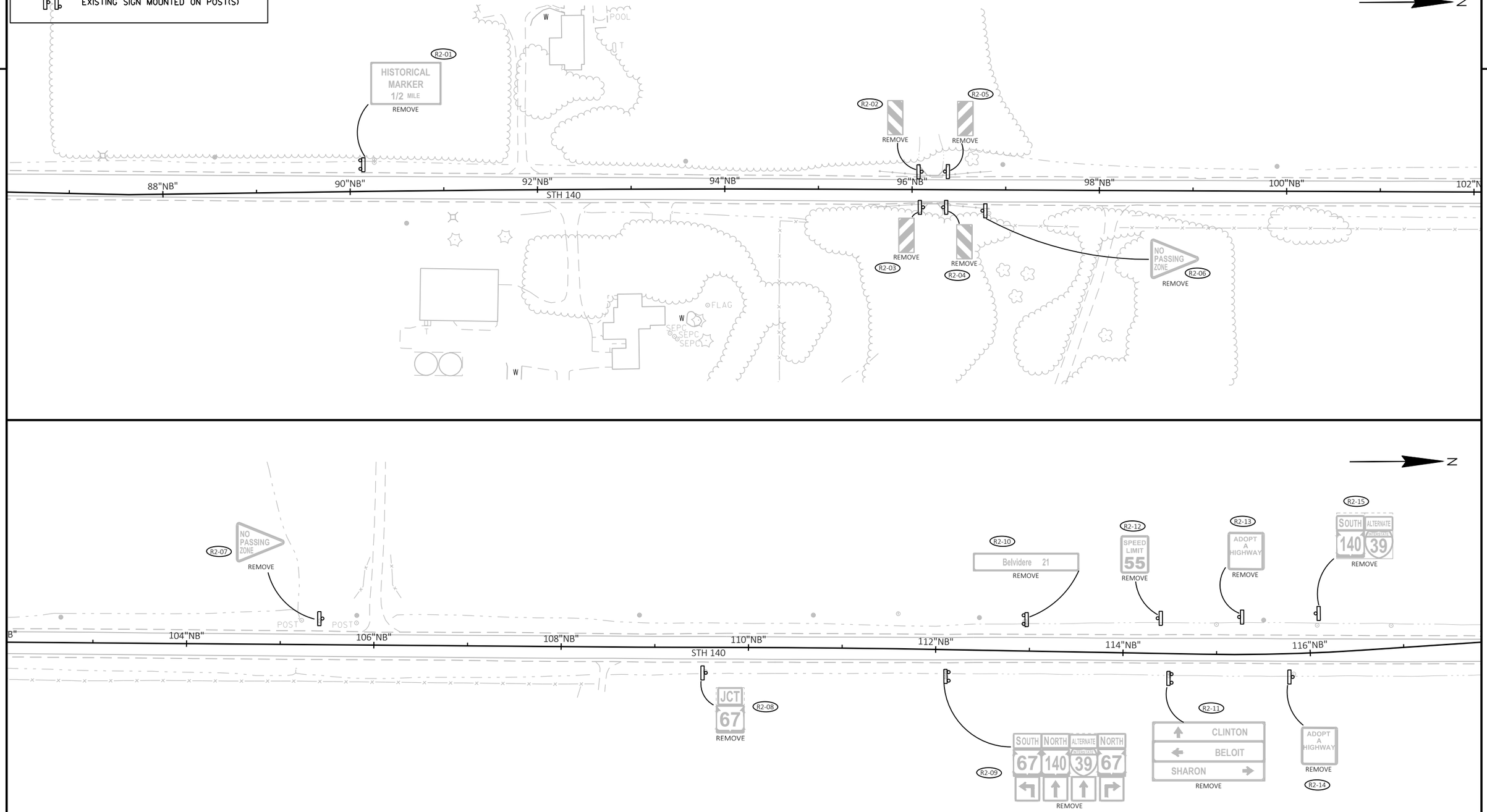
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

N

2

2



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	SIGNING REMOVALS	SHEET 61	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 02

PLOT DATE : 11/21/2024 1:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

STH67
MOVE BY OTHERS

STH140
MOVE BY OTHERS

R3-01
SOUTH 67 NORTH 67
REMOVE

R3-02
NORTH 67 SOUTH 67
REMOVE

R3-03
NORTH 140 ALTERNATE 39
REMOVE

R3-04
REMOVE

R3-05
REMOVE

R3-06
REMOVE

R3-07
REMOVE

CLINTON
SHARON
BELOIT
REMOVE
R3-09

R3-08
SPEED LIMIT 55
REMOVE

R3-10
Clinton 3
REMOVE

R3-11
NORTH 67 NORTH 140 ALTERNATE 39 SOUTH 67
REMOVE

R3-12
JCT 67
REMOVE

R3-13
NO PASSING ZONE
REMOVE

FOOTBRIDGE
SEPTIC
50"STH 67"
52"STH 67"
STH 67
118"NB"
122"NB"
124"NB"
126"NB"
128"NB"
130"NB"
132"NB"
STH 140
134"NB"
136"NB"
138"NB"
140"NB"
142"NB"
144"NB"
146"NB"
148"NB"
LOWELL
ATHLETIC FIELD
FLAG
N

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	SIGNING REMOVALS	SHEET 62	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 03
PLOT DATE : 11/21/2024 1:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

N

150"NB" 152"NB" 154"NB" 156"NB" 158"NB" 160"NB" 162"NB" 164"NB"

STH 140

SEPV

POST

N

166"NB" 168"NB" 170"NB" 172"NB" 174"NB" 176"NB" 178"NB" 180"NB"

STH 140

NO PASSING ZONE

R4-02

REMOVE

TIGHE

MOVE BY OTHERS

STATE140

MOVE BY OTHERS

STOP

R4-01

REMOVE

TIGHE RD

32'-1"

POST

POST

POST

POST

POST

SUBSTATION

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	SIGNING REMOVALS	SHEET 63	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 04

PLOT DATE : 11/21/2024 1:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

N

RUINS

28"P"

COUNTY RD P

R5-02 SOUTH ALTERNATE 140 39 REMOVE

NO PASSING ZONE R5-04 REMOVE

COUNTY P REMOVE

182"NB" 184"NB" 186"NB" 188"NB" 190"NB" 192"NB" 194"NB" 196"NB"

30"P"

STH 140

JCT COUNTY P REMOVE R5-01

COUNTY P R5-03 REMOVE

NO PASSING ZONE REMOVE

NORTH ALTERNATE 140 39 REMOVE R5-05

32"P"

N

198"NB" 200"NB" 202"NB" 204"NB" 206"NB" 208"NB" 210"NB" 212"NB"

STH 140

POOL

ANT

POST

JCT COUNTY P REMOVE R5-06

2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	SIGNING REMOVALS	SHEET 64	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 05

PLOT DATE : 11/21/2024 1:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

N

28"LS"

WEIGHT LIMIT CLASS B
MOVE BY OTHERS

ADOPT A HIGHWAY
REMOVE
R6-03

R6-04
STOP
REMOVE

NO PASSING ZONE
R6-06
REMOVE

214"NB" 216"NB" 218"NB" 220"NB" 222"NB" 224"NB" 226"NB" 228"N

30"LS"

STH 140

NO PASSING ZONE
R6-01
REMOVE

R6-02
ADOPT A HIGHWAY
REMOVE

LAKESHORE
MOVE BY OTHERS

STH140
MOVE BY OTHERS

STOP
R6-05
REMOVE

WEIGHT LIMIT CLASS B
MOVE BY OTHERS

LAKESHORE RD

32"LS"

N

B" 230"NB" 232"NB" 234"NB" 236"NB" 238"NB" 240"NB" 242"NB"

STH 140

2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	SIGNING REMOVALS	SHEET 65	E

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

N

244"NB" 246"NB" 248"NB" 250"NB" 252"NB" 254"NB" 256"NB" 258"NB"

STH 140

NO PASSING ZONE R7-01

REMOVE

N

NO PASSING ZONE R7-03

REMOVE

260"NB" 262"NB" 264"NB" 266"NB" 268"NB" 270"NB" 272"NB"

STH 140

SPEED LIMIT 30 R7-02

REMOVE

R7-04

REMOVE

R7-05

Clinton POPULATION 2154

REMOVE

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	SIGNING REMOVALS	SHEET 66	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 07

PLOT DATE : 11/21/2024 1:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

2

2

RAMP

R8-03 REMOVE

NO PASSING ZONE R8-06 REMOVE

SPEED LIMIT 55 REMOVE

SOUTH 67 R8-08 REMOVE

SEPC

R8-12 STOP REMOVE

122"NB"

SOUTH NORTH 140 140 R8-13 REMOVE

STOP TRAFFIC ON 140 DOES NOT STOP R8-15 REMOVE

STOP R8-14 REMOVE

42"STH 67"

44"STH 67"

46"STH 67"

48"STH 67"

50"STH 67"

52"STH 67"

STH 67

JCT 140 R8-01 REMOVE

R8-02 REMOVE

Beloit 8 R8-04 REMOVE

NORTH NORTH SOUTH 140 67 140 R8-05 REMOVE

SHARON

CLINTON

BELVIDERE R8-07 REMOVE

STOP R8-09 REMOVE

STOP TRAFFIC ON 140 DOES NOT STOP R8-10 REMOVE

NORTH SOUTH 140 140 R8-11 REMOVE

NORTH 67 R8-16 REMOVE

STH 140

118"NB"

N

BELOIT

BELVIDERE

CLINTON R8-18 REMOVE

SOUTH SOUTH NORTH 140 67 140 R8-20 REMOVE

R8-22 REMOVE

JCT 140 R8-23 REMOVE

2"STH 67"

54"STH 67"

56"STH 67"

58"STH 67"

60"STH 67"

62"STH 67"

STH 67

POST

SPEED LIMIT 55 R8-17 REMOVE

Sharon 6

Elkhorn 25 R8-19 REMOVE

R8-21 REMOVE

SLAB

SERV

POST

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	SIGNING REMOVALS	SHEET 67	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 08

PLOT DATE : 11/21/2024 1:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

2

N

COUNTY P
WEIGHT LIMIT CLASS B
MOVE BY OTHERS

16"P" 18"P" 20"P" 22"P" 24"P" 26"P" 28"P" 30"P"

COUNTY RD P

196'NB'

194'NB'

N

196'NB'

140 R9-03
REMOVE

R9-04 STOP
REMOVE

28"P" 26"P" 30"P" 32"P" 34"P" 36"P"

COUNTY RD P

194'NB'

R9-01 STOP
REMOVE

140 R9-02
REMOVE

STH 140

COUNTY P
WEIGHT LIMIT CLASS B
MOVE BY OTHERS

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	SIGNING REMOVALS	SHEET 68	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-PS - 09

PLOT DATE : 11/21/2024 1:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

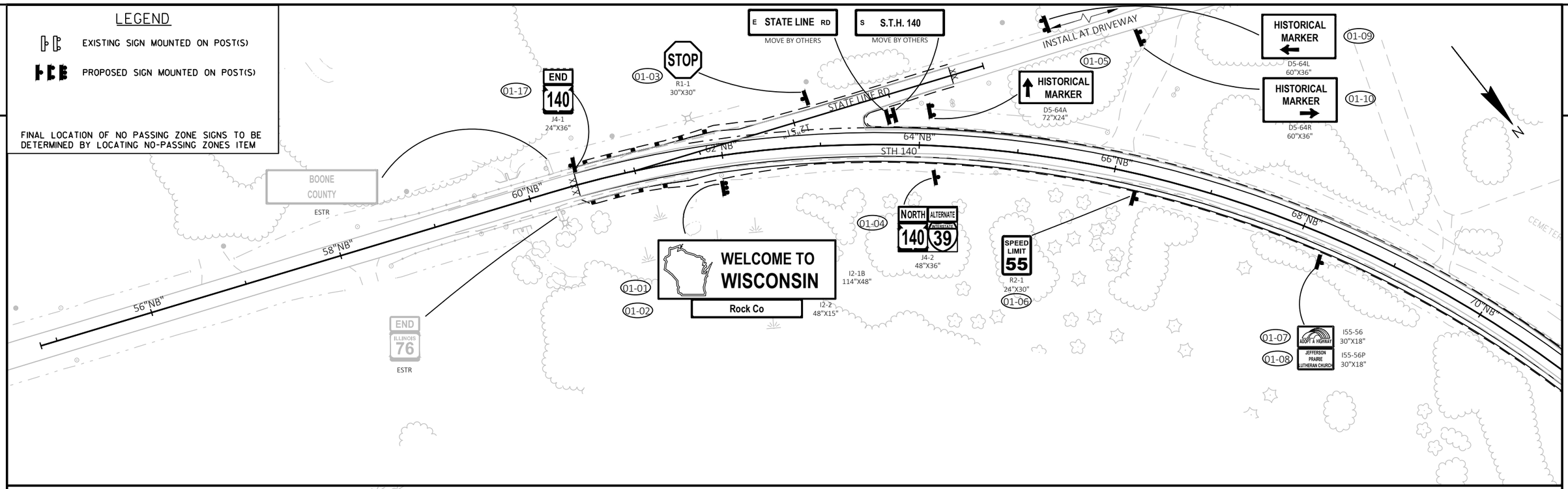
2

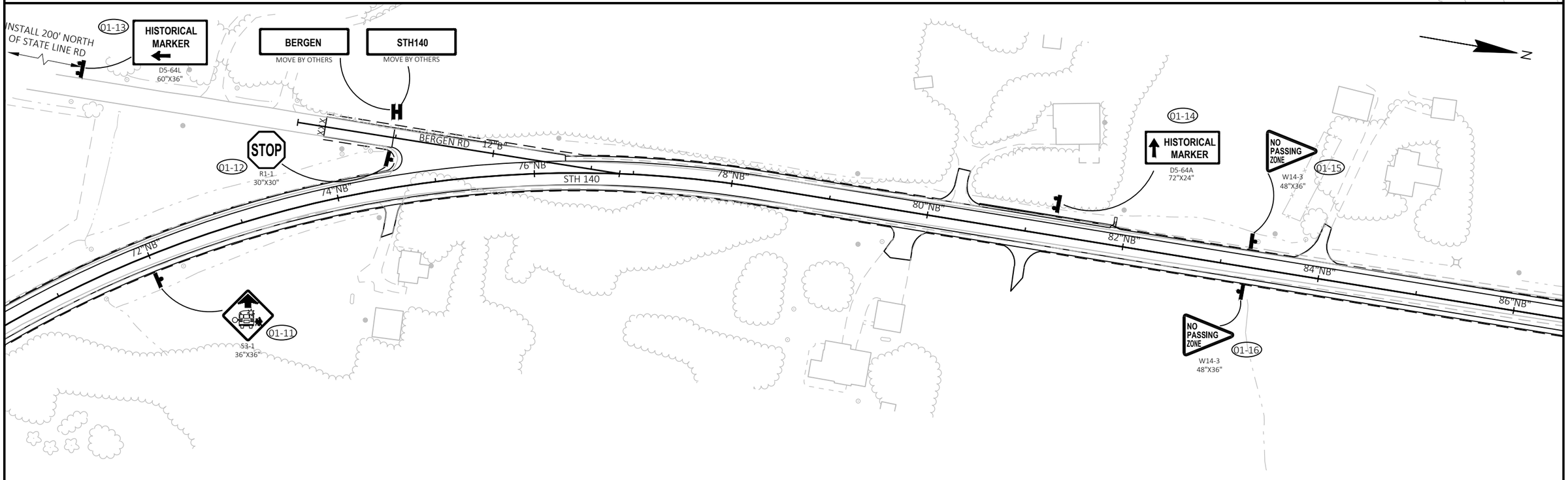
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM





PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PERMANENT SIGNING	SHEET 69	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023202-PS - 01
PLOT DATE : 11/21/2024 1:34 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

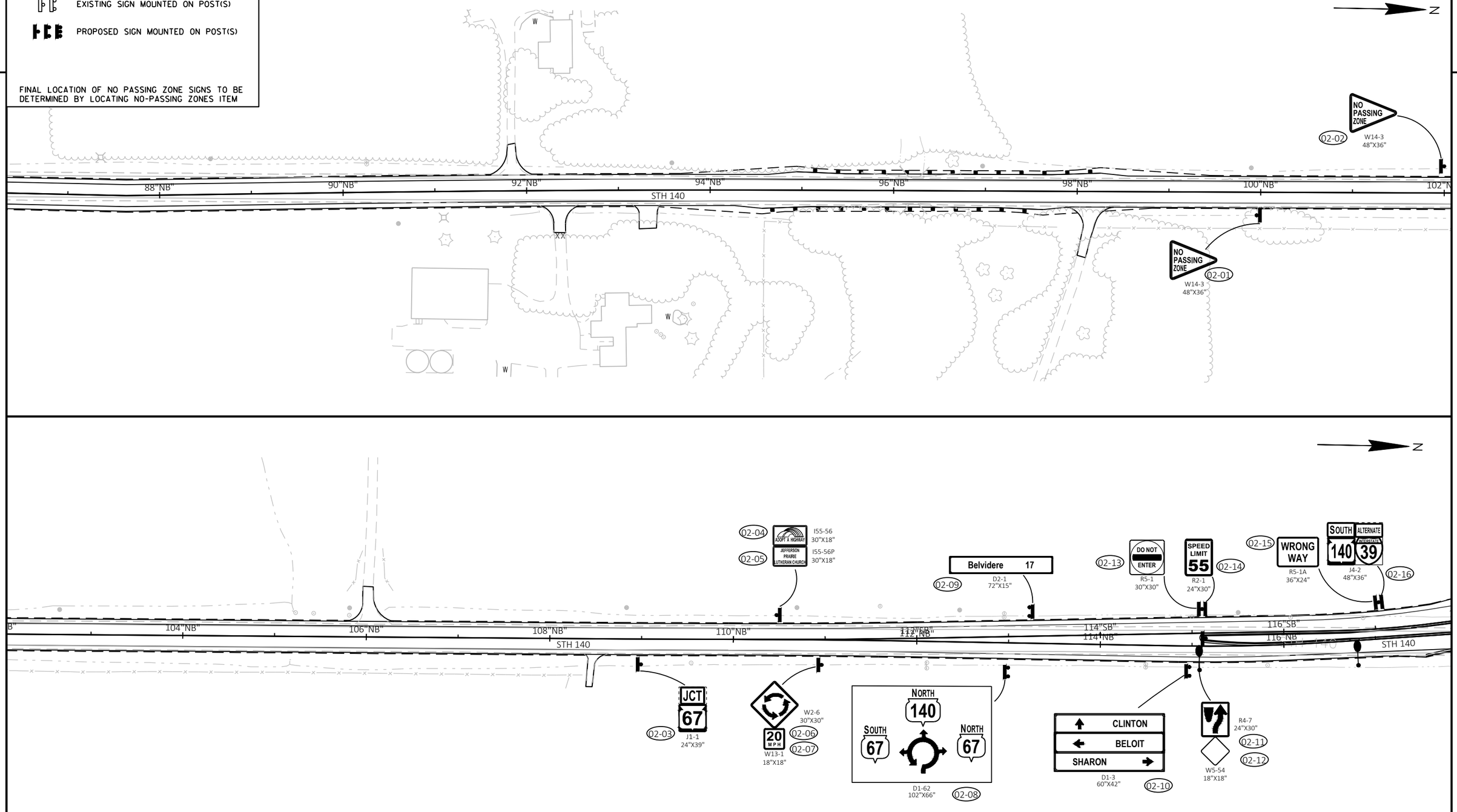
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LEGEND

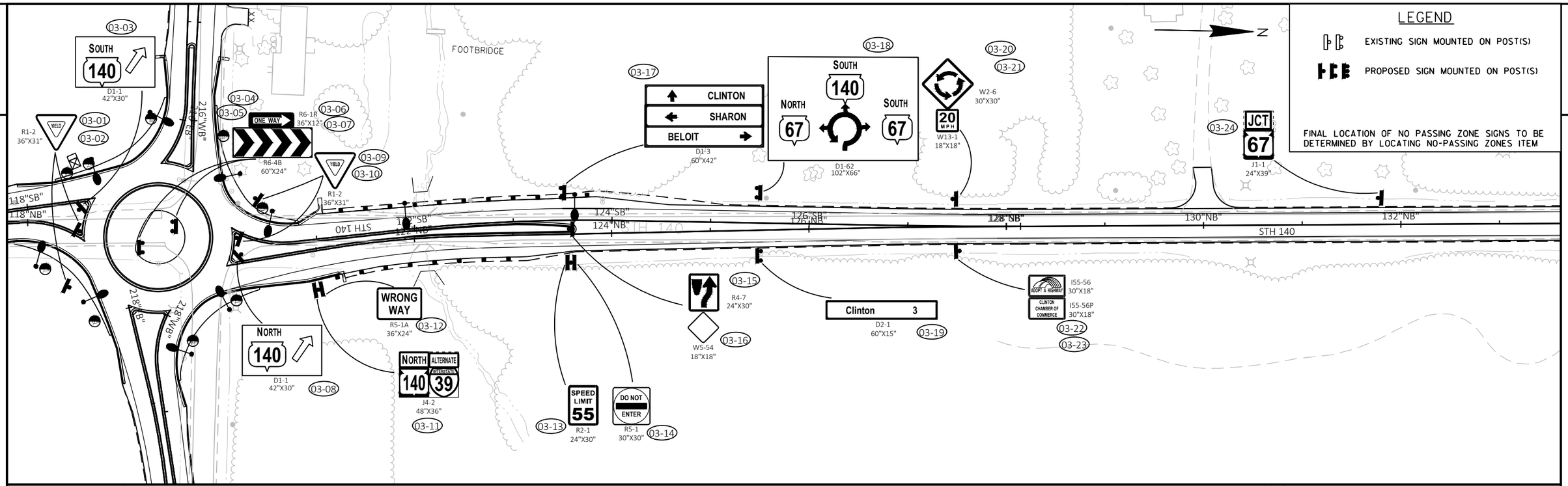
EXISTING SIGN MOUNTED ON POST(S)

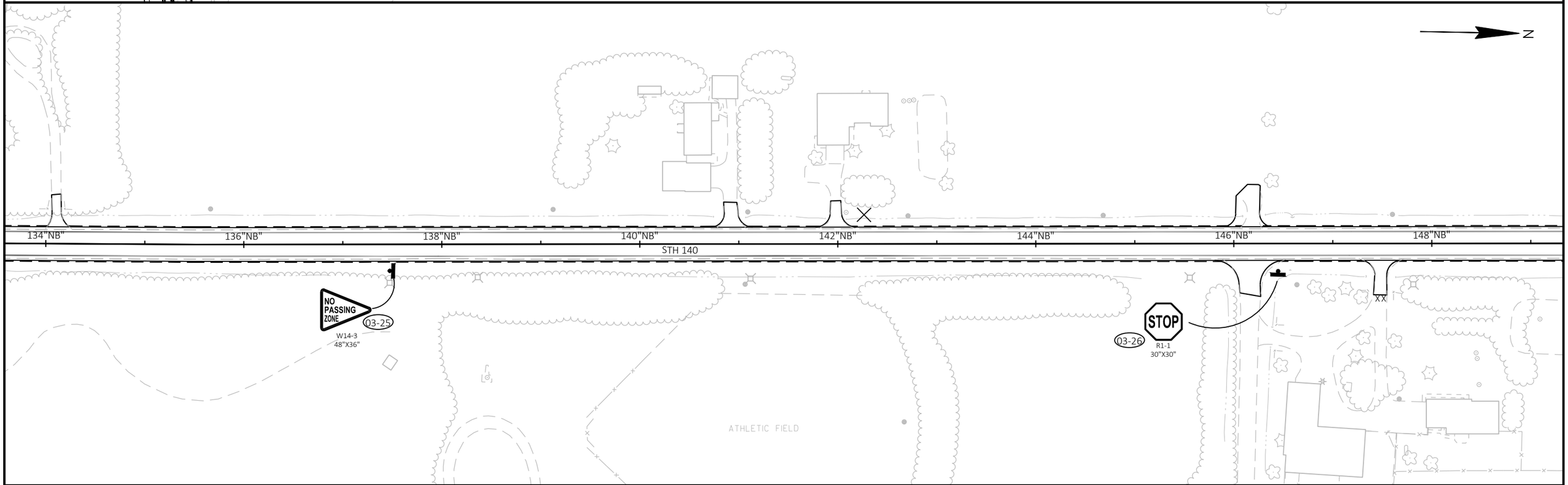
PROPOSED SIGN MOUNTED ON POST(S)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PERMANENT SIGNING	SHEET 70	E





PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PERMANENT SIGNING	SHEET 71	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023202-PS - 03
PLOT DATE : 11/21/2024 1:34 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

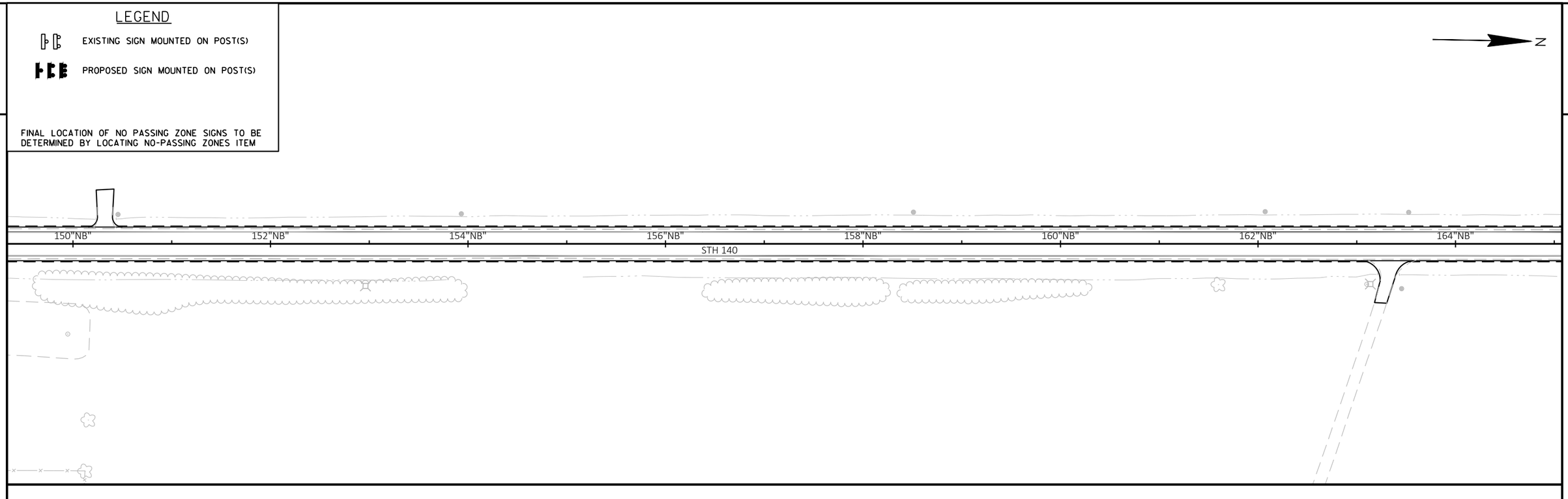
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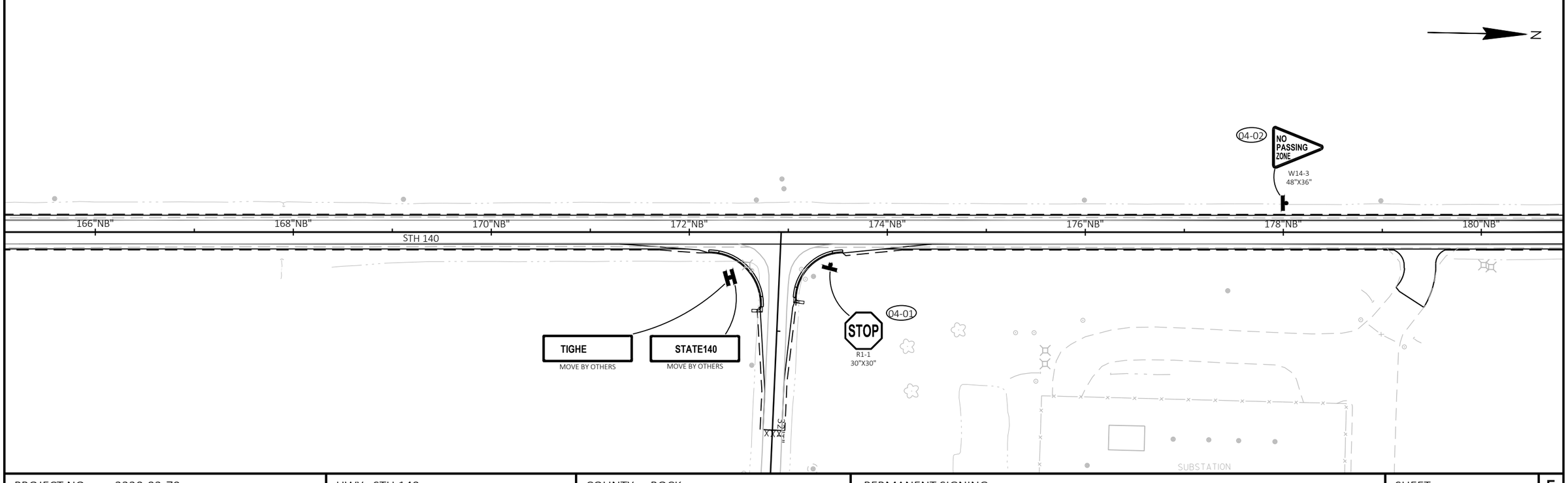
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM





2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PERMANENT SIGNING	SHEET 72	E

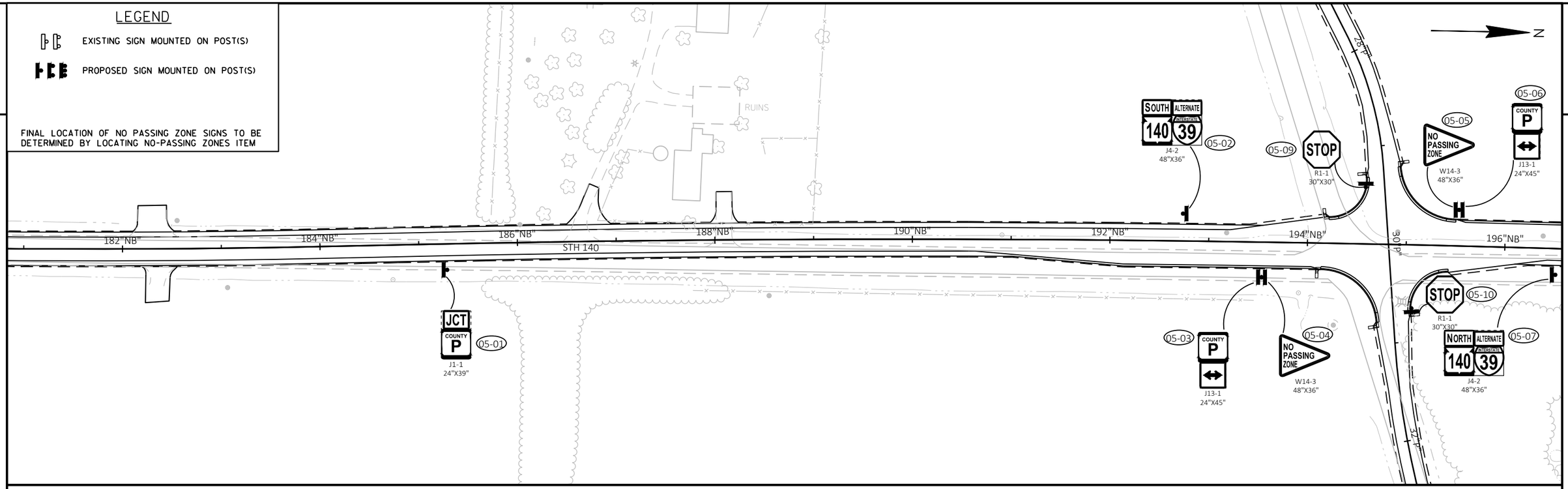
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LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PERMANENT SIGNING	SHEET 73	E

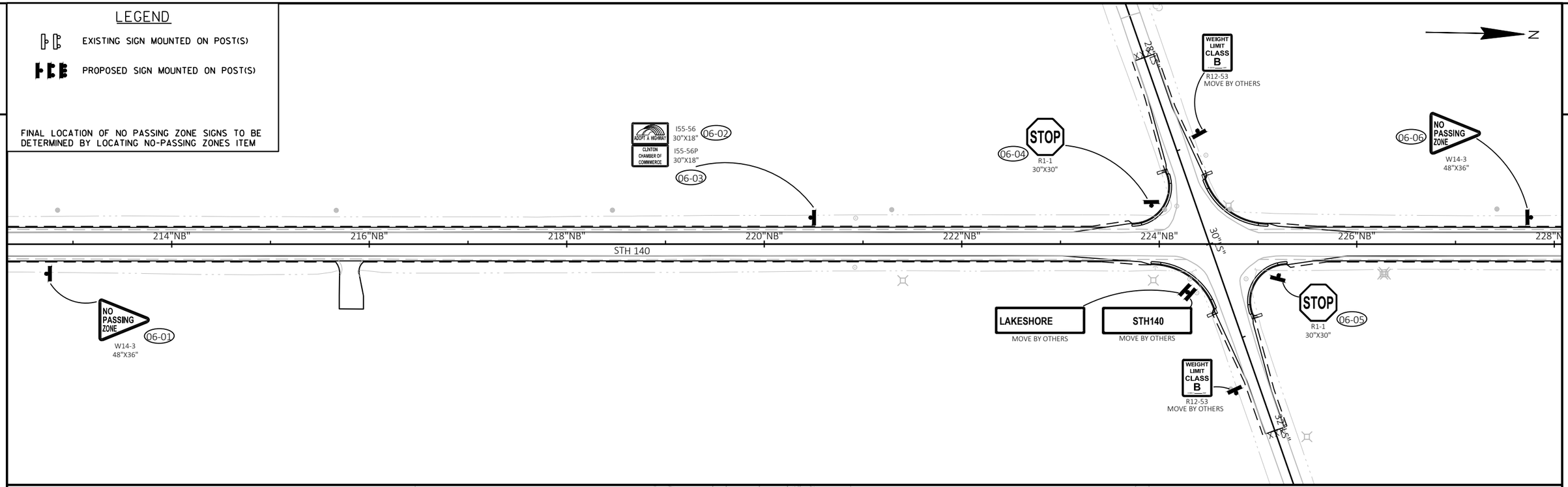
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LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PERMANENT SIGNING	SHEET 74	E

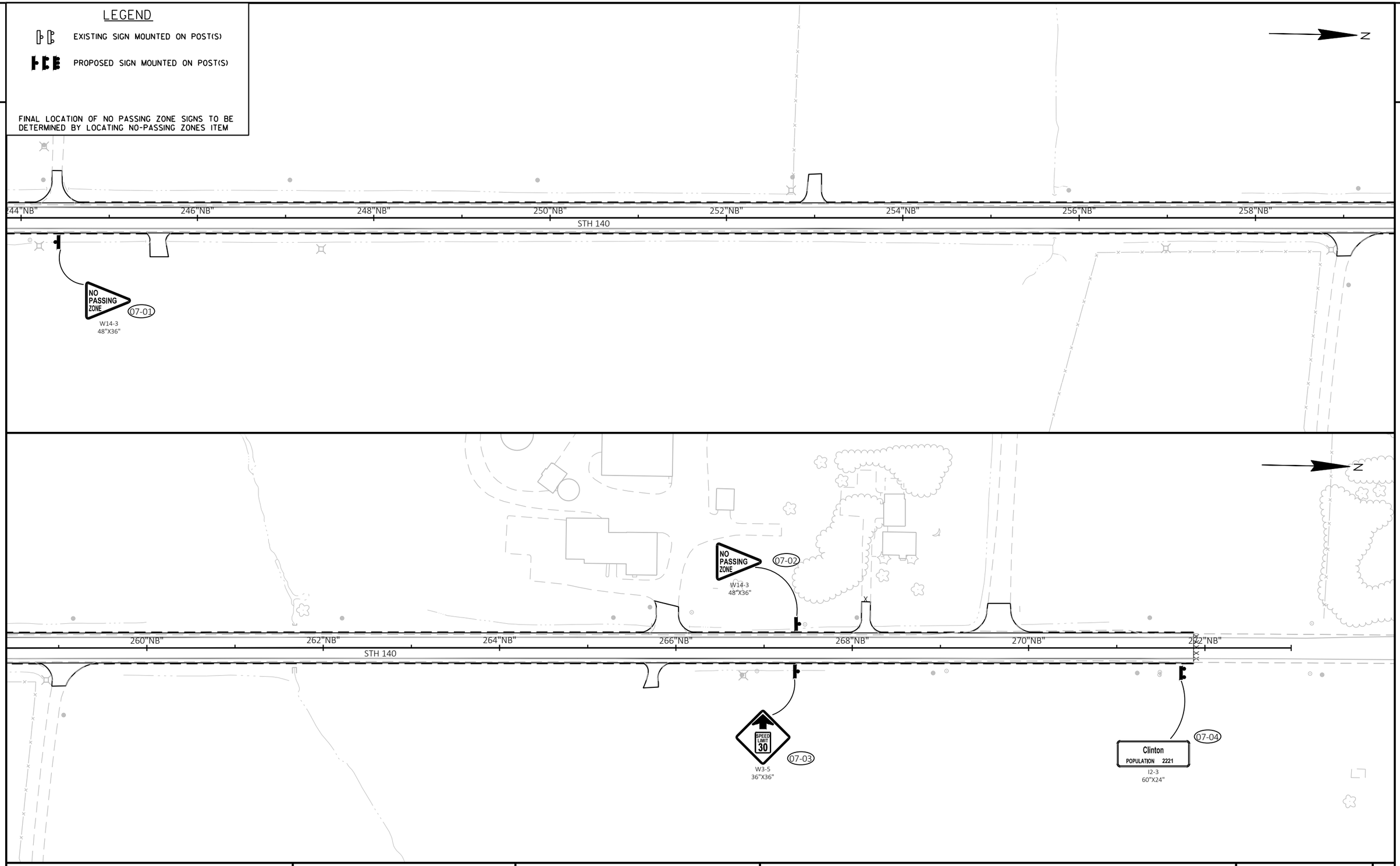
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LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PERMANENT SIGNING	SHEET 75	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023202-PS - 07

PLOT DATE : 11/21/2024 1:34 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

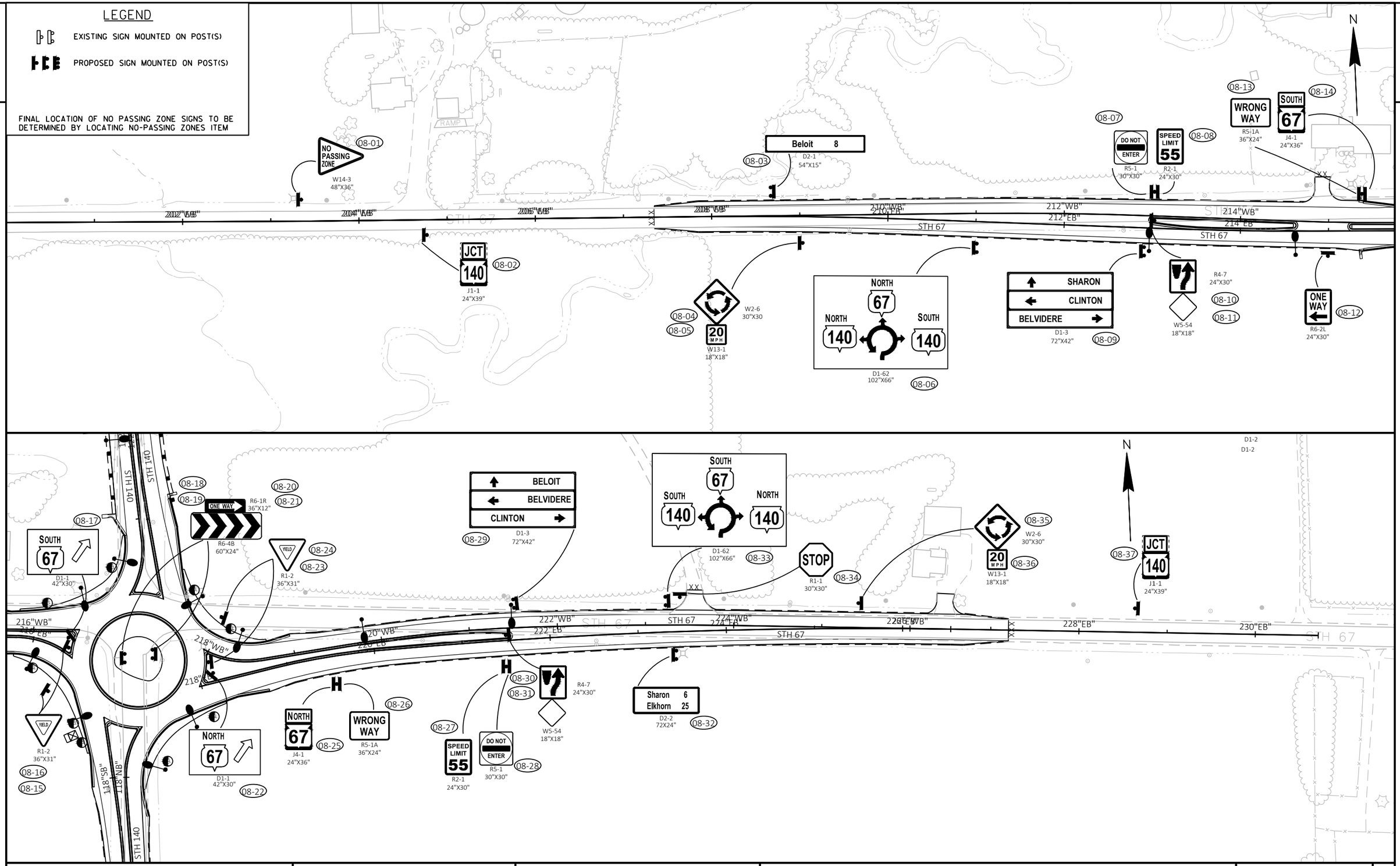
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM

2



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PERMANENT SIGNING	SHEET 76	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023202-PS - 08

PLOT DATE : 11/21/2024 1:34 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

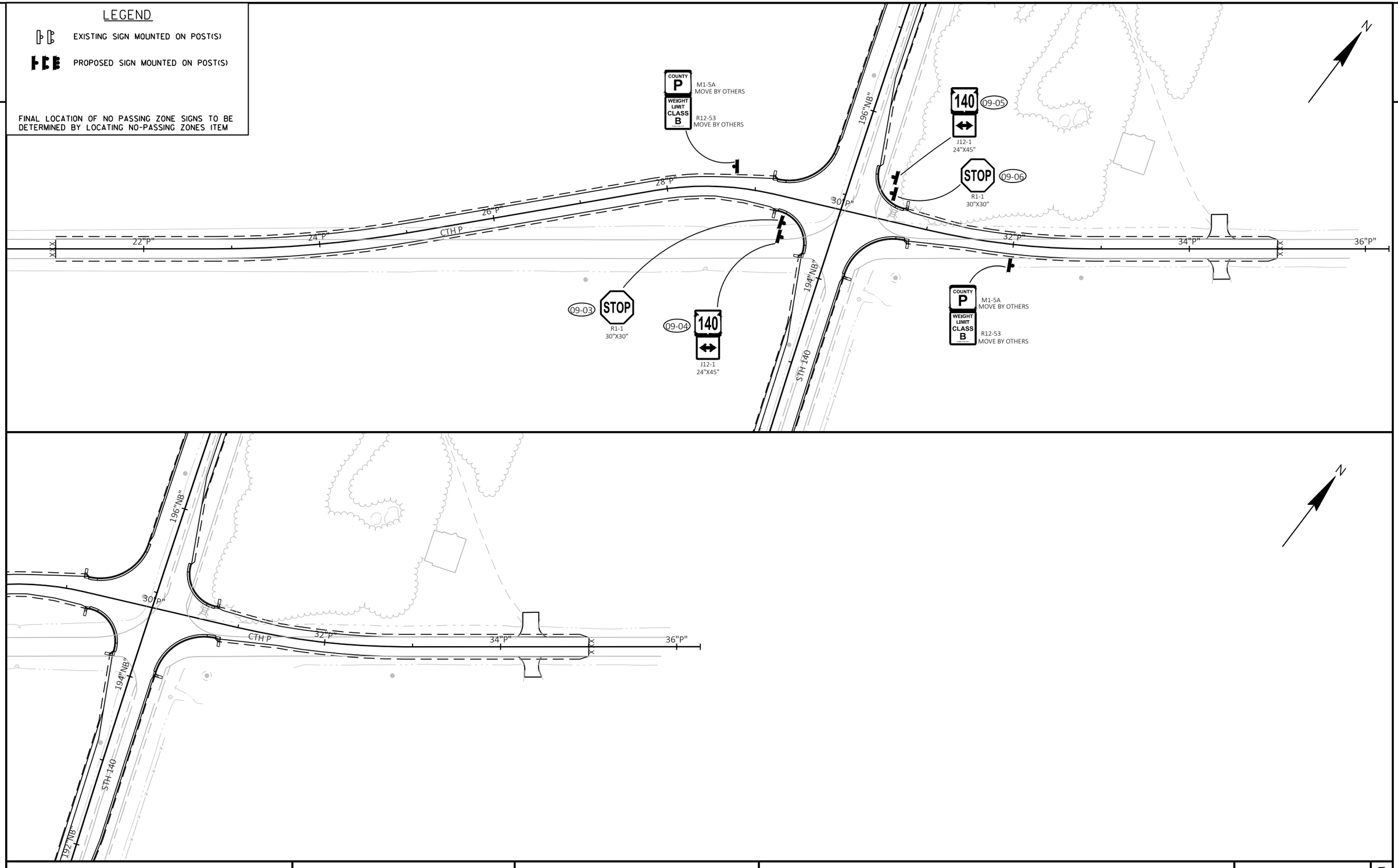
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LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

FINAL LOCATION OF NO PASSING ZONE SIGNS TO BE DETERMINED BY LOCATING NO-PASSING ZONES ITEM



2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PERMANENT SIGNING	SHEET 77	E

2

2

N

123"SB'+62 - 26' LT - LB08
LED A - 6 - 5 - 5 - B

121"SB"+92 - 26' LT - LB07
LED A - 6 - 5 - 5 - A

ROCK ENERGY

120+50 - 31' LT - LB06
LED A - 6 - 5 - 5 - B

120"SB"+35 - 31' LT - PB04

21"C"+26 - 50' RT - LB05
LED A - 6 - 5 - 5 - A

ROCK ENERGY

216"WB"+15 - 30' LT - PB03

BERGEN (TEL)

212"EB"+97 - 26' RT - LB04
LED A - 6 - 5 - 5 - B

214"EB"+62 - 27' RT - LB03
LED A - 6 - 5 - 5 - A

215"EB"+99 - 34' RT - LB02
LED A - 6 - 5 - 5 - B

216"EB"+08 - 31' RT - PB02

22"C"+15 - 49' RT - LB01
LED A - 6 - 5 - 5 - A

118"SB"+67 - 35' LT - PB01

CONTROL CABINET "A"
118+54, 38' LT

118+44 - 29' RT - PB09

ROCK ENERGY

BERGEN (TEL)

120+12 - 36' RT - PB05

20"C"+46 - 48' RT - LB09
LED A - 6 - 5 - 5 - D

BERGEN (TEL)

218"WB"+18 - 33' LT - PB06

218"WB"+39 - 34' LT - LB10
LED A - 6 - 5 - 5 - C

ROCK ENERGY

219"WB"+81 - 26' LT - LB11
LED A - 6 - 5 - 5 - D

221"WB"+49 - 26' LT - LB12
LED A - 6 - 5 - 5 - C

218"EB"+05 - 37' RT - PB07

23"C"+02 - 45' RT - LB13
LED A - 6 - 5 - 5 - D

BERGEN (TEL)

118"NB"+33 - 44' RT - PB08

118+15 - 43' RT - LB14
LED A - 6 - 5 - 5 - C

116"NB"+80 - 27' RT - LB15
LED A - 6 - 5 - 5 - D

115"NB"+08 - 26' RT - LB16
LED A - 6 - 5 - 5 - C

BERGEN (TEL)

STH 140

STH 67

LEGEND

- LIGHTING CONTROL CABINET
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- PULL BOX (24" X 42") NON-CONDUCTIVE
- LUMINAIRE

16'EB'+25 - 25' RT - LB01
LED A - 6 - 5 - 5 - A
LUMINAIRE TYPE
MAST ARM LENGTH (FT)
BASE TYPE
POLE TYPE
CIRCUIT

HIGHWAY LIGHTING
STH 140 & STH 67
TOWN OF CLINTON
ROCK COUNTY

INST. NO. LXX-XXXX

REGION CONTACT:
DESIGNED BY: JT ENGINEERING, INC.
REVISED BY:

PAGE 1 OF 1

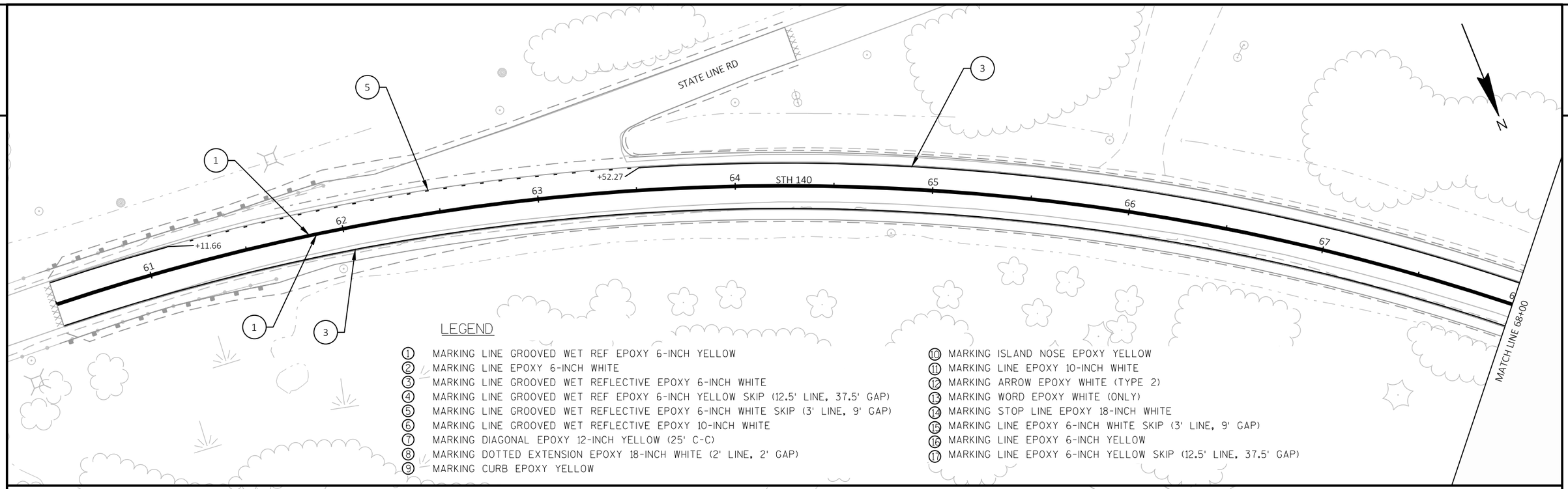
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	LIGHTING PLAN	SHEET 78	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023601-lp

PLOT DATE : 11/18/2024 5:14 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

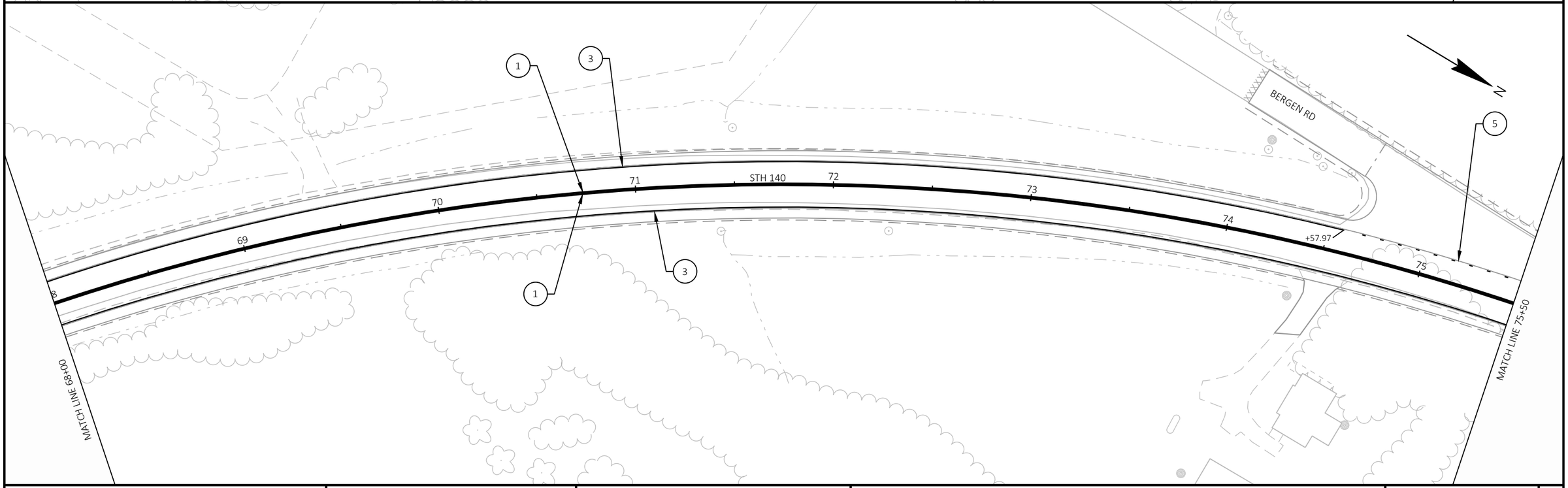
WISDOT/CADDS SHEET 42

2



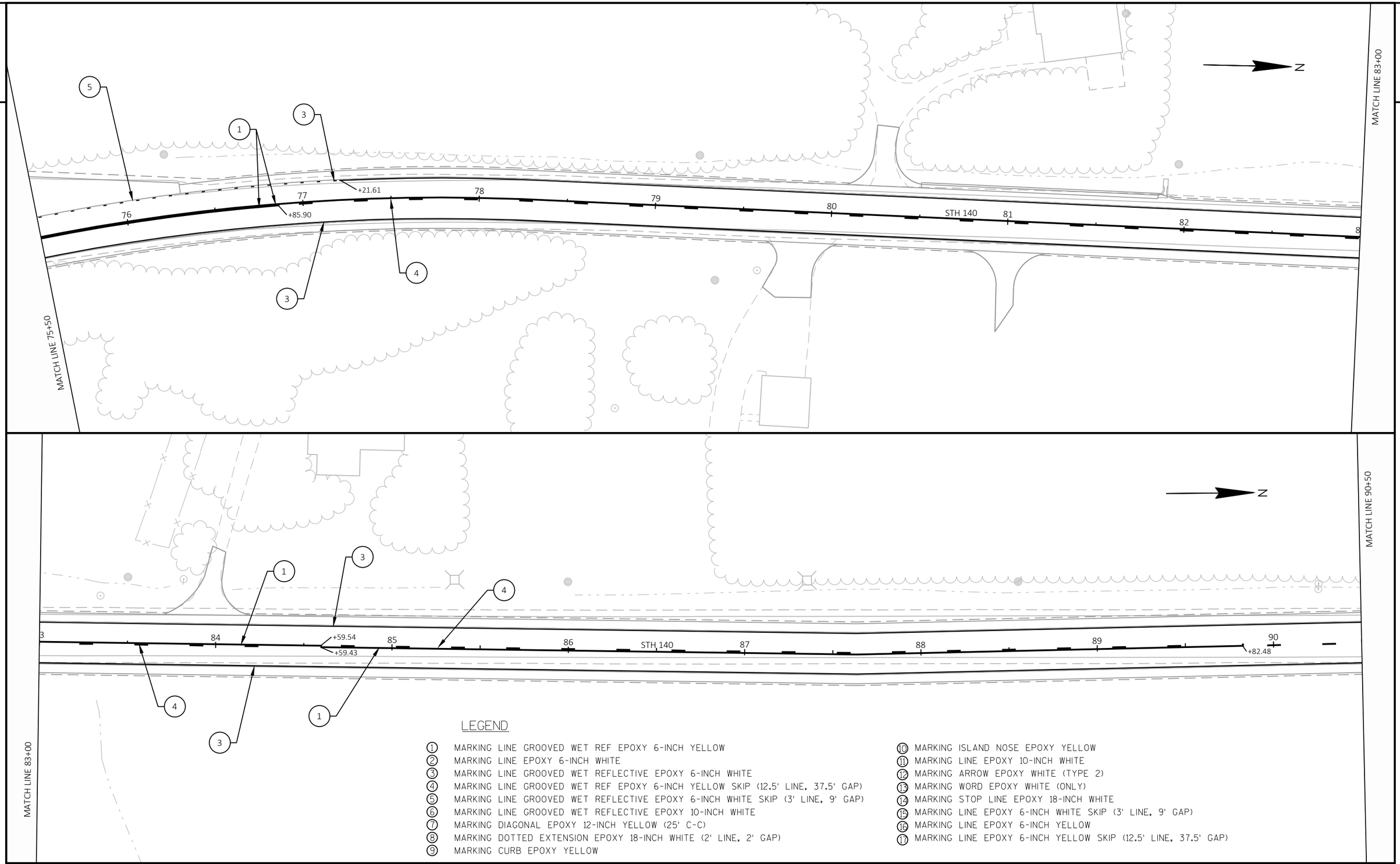
LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 79	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 01
PLOT DATE : 11/18/2024 5:15 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

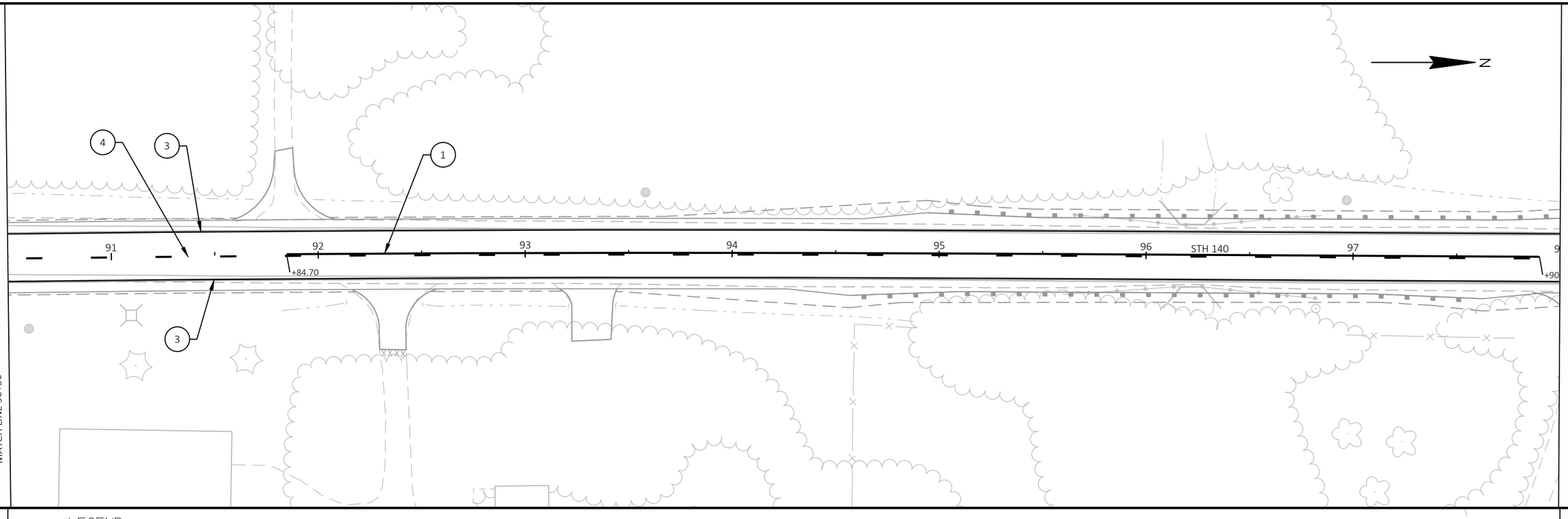


LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

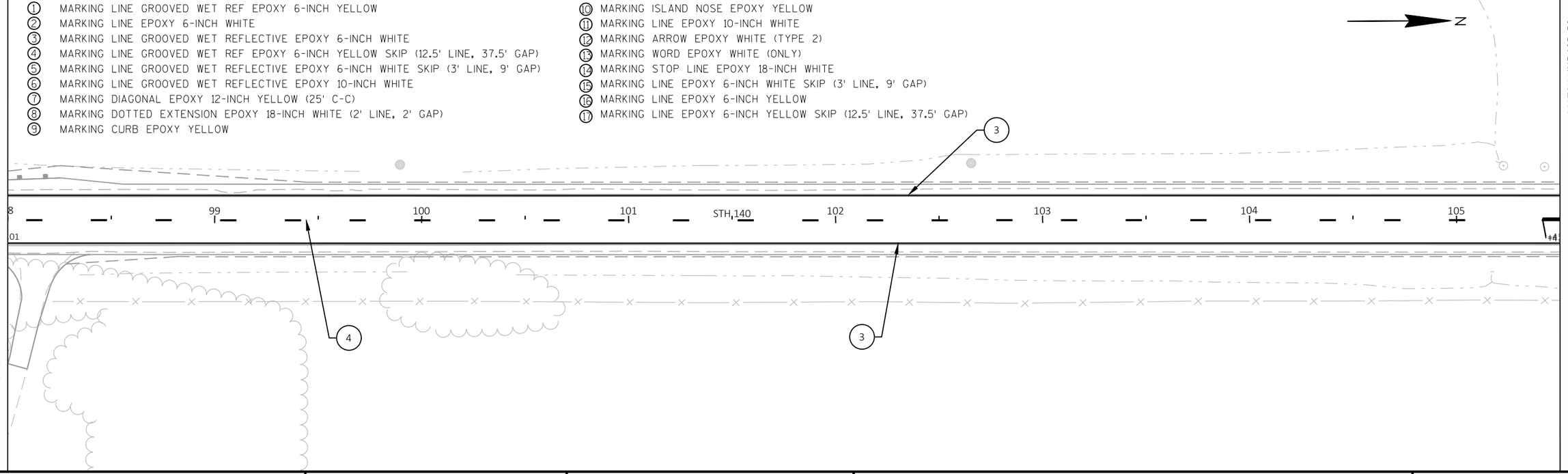
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 80	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 02
PLOT DATE : 11/18/2024 5:15 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44



LEGEND

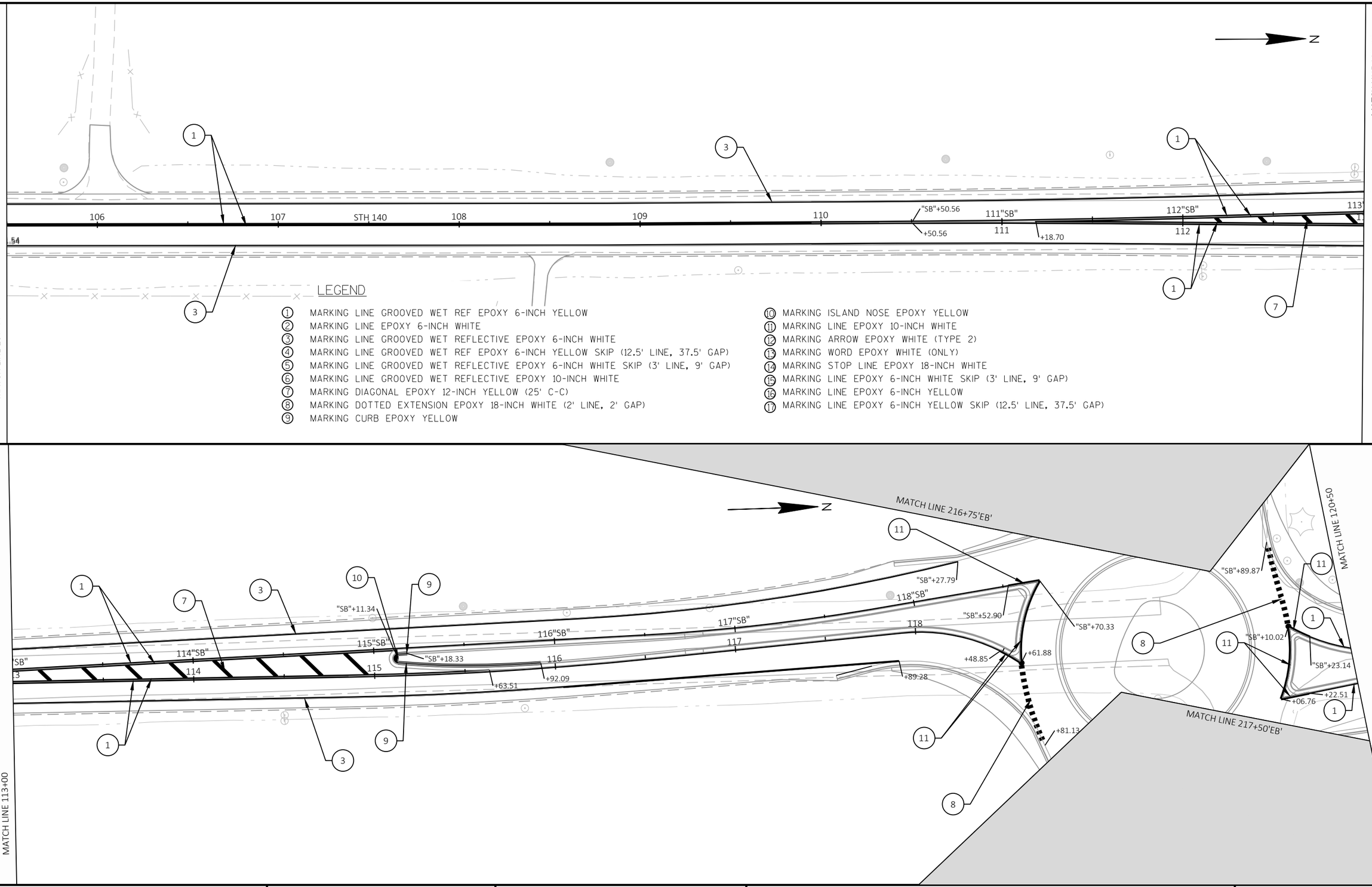
1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 81	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 03
PLOT DATE : 11/18/2024 5:16 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

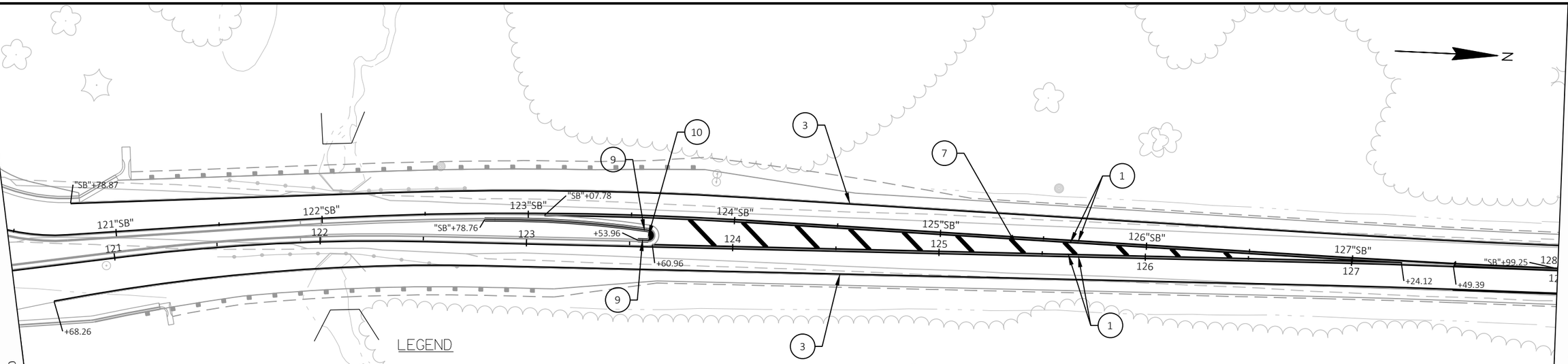


LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

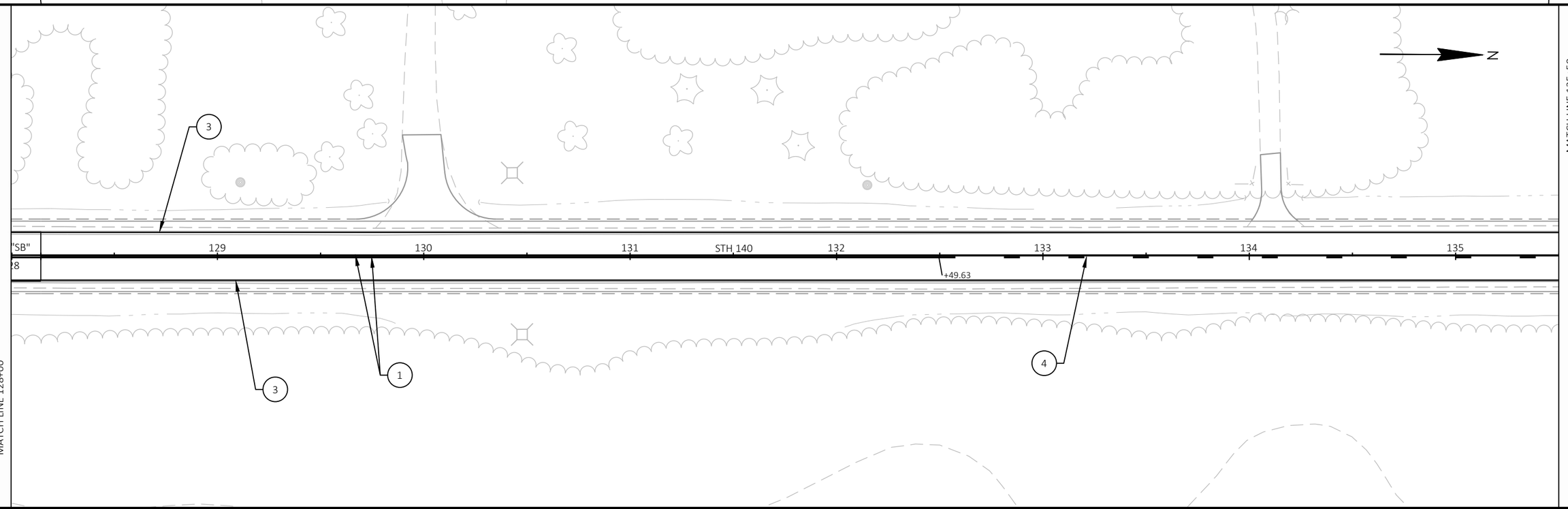
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 82	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 04
PLOT DATE : 11/18/2024 5:17 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44



LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

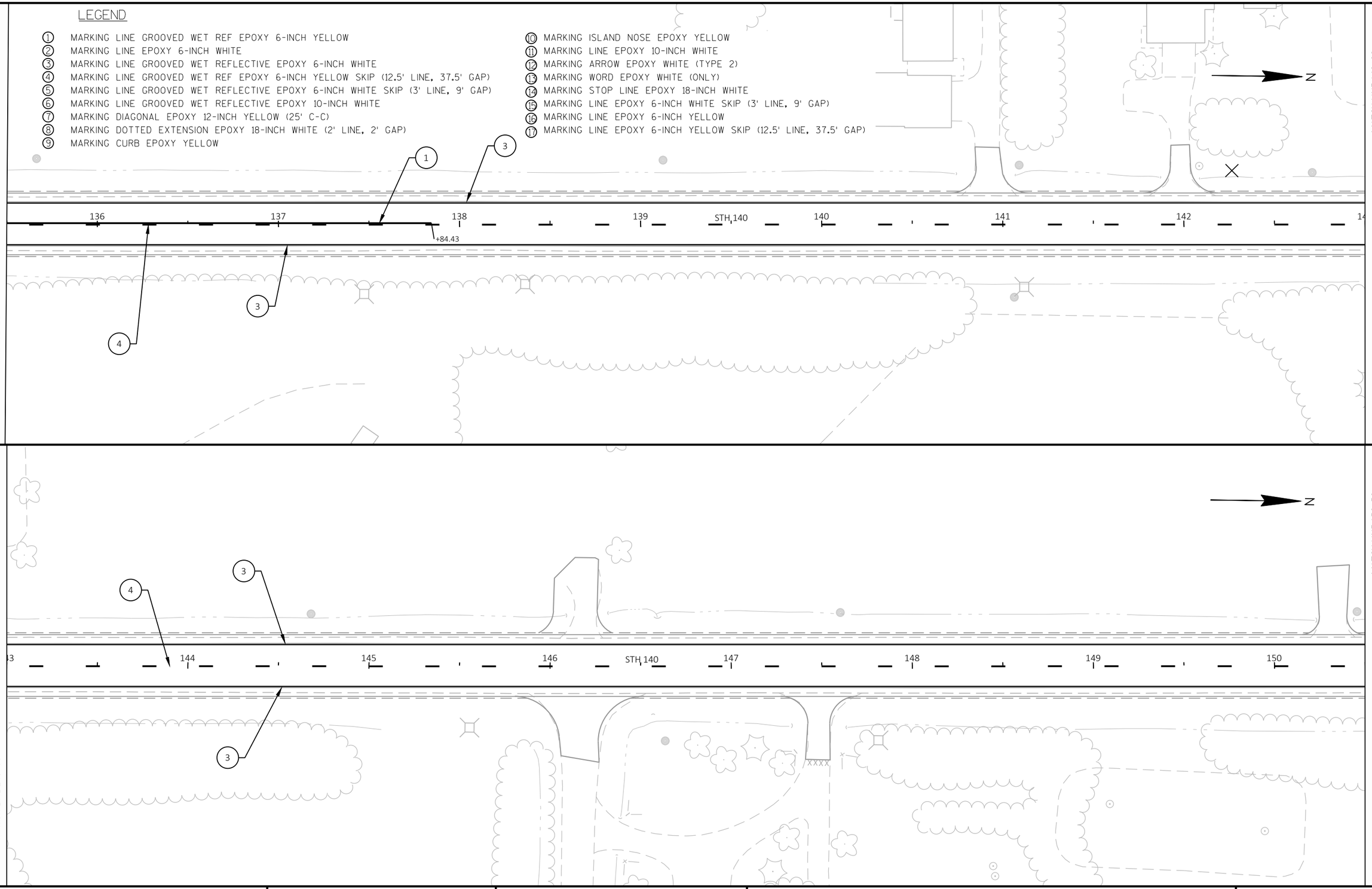


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 83	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 05
PLOT DATE : 11/18/2024 5:17 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

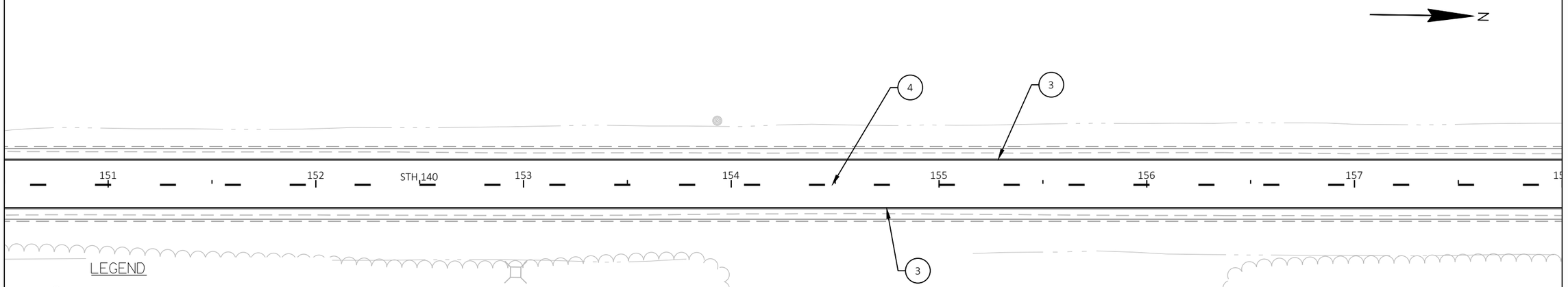
LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 84	E

MATCH LINE 150+50

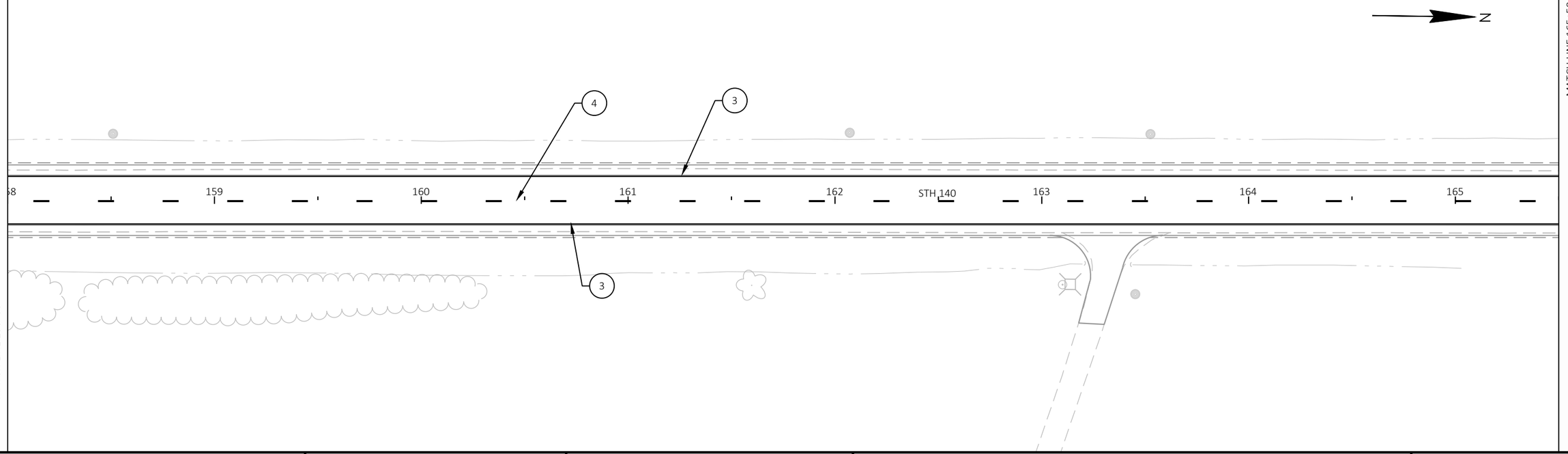


MATCH LINE 158+00

LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

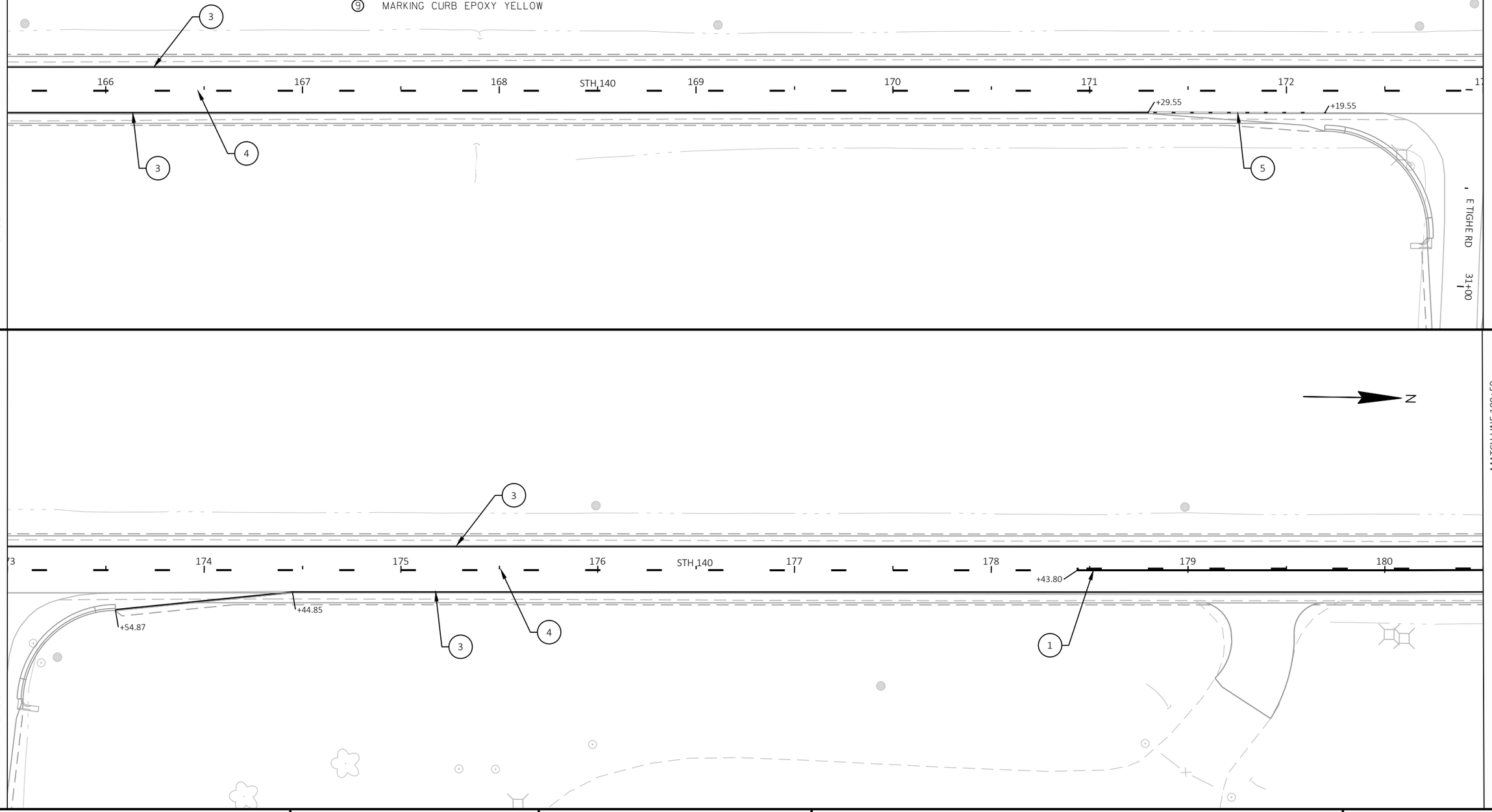
MATCH LINE 165+50



MATCH LINE 158+00

LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

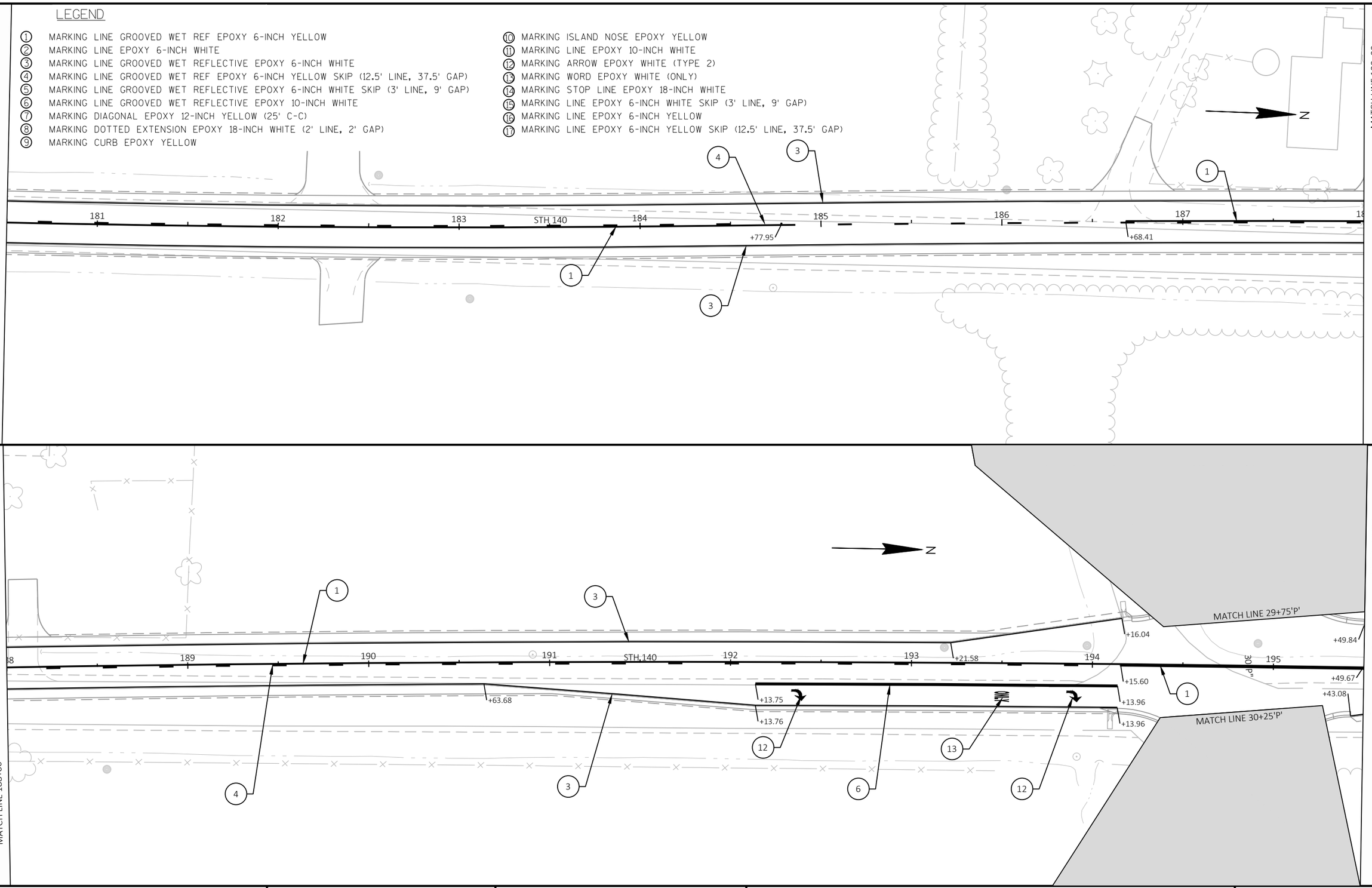


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 86	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 08
PLOT DATE : 11/18/2024 5:20 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

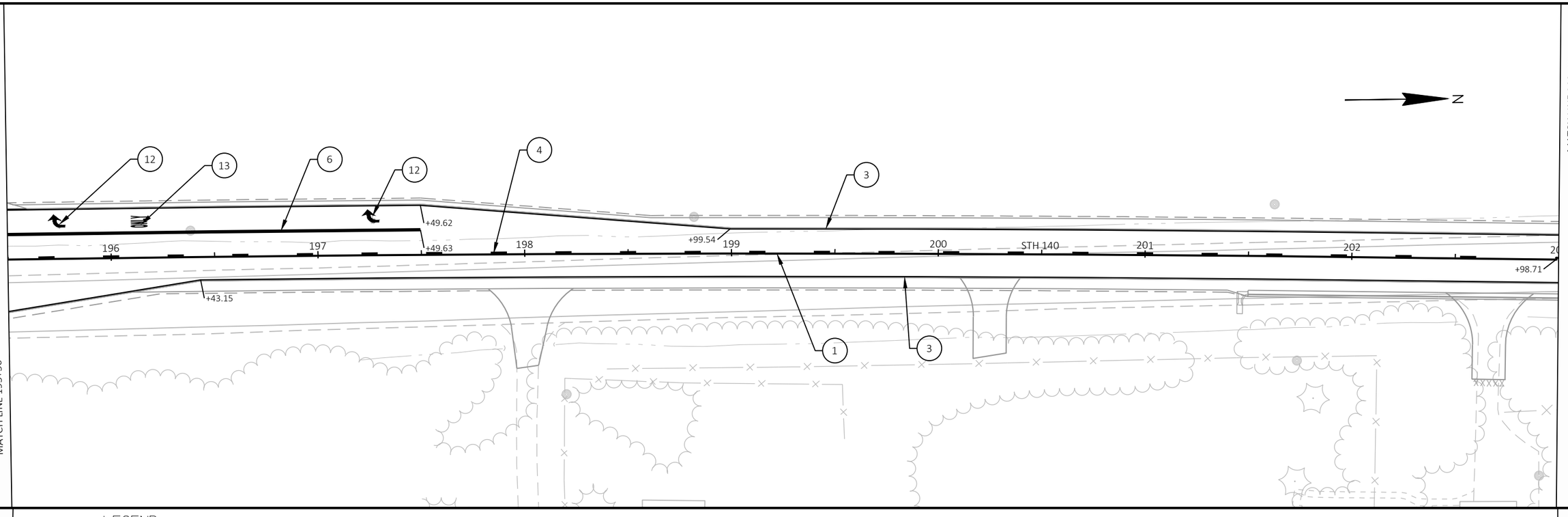


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 87	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 09

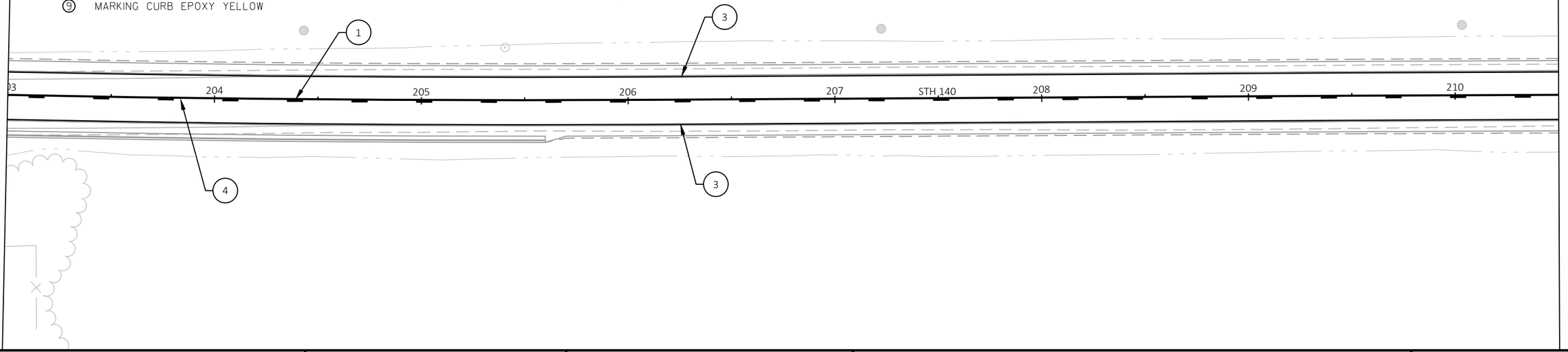
PLOT DATE : 11/18/2024 5:21 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

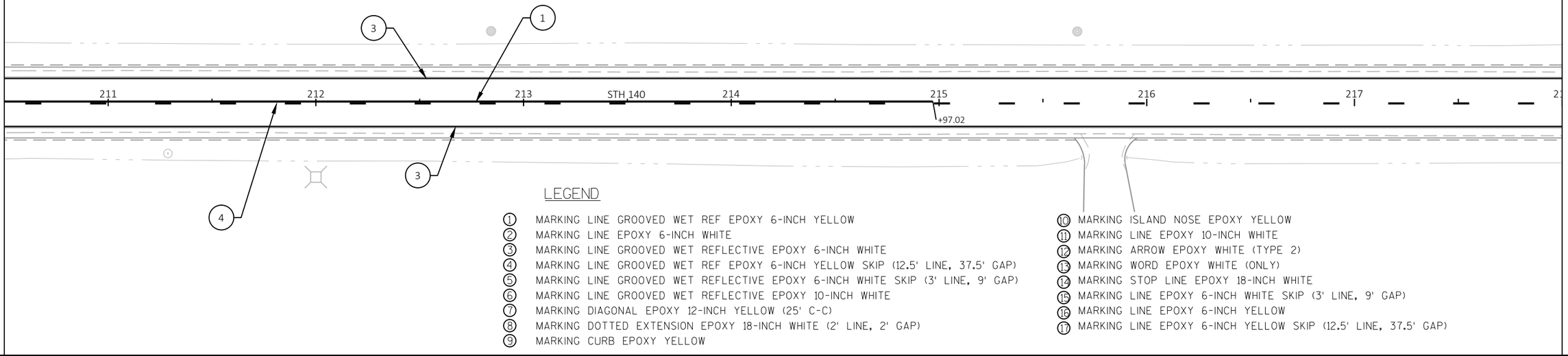


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 88	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 10
PLOT DATE : 11/18/2024 5:21 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

MATCH LINE 210+50

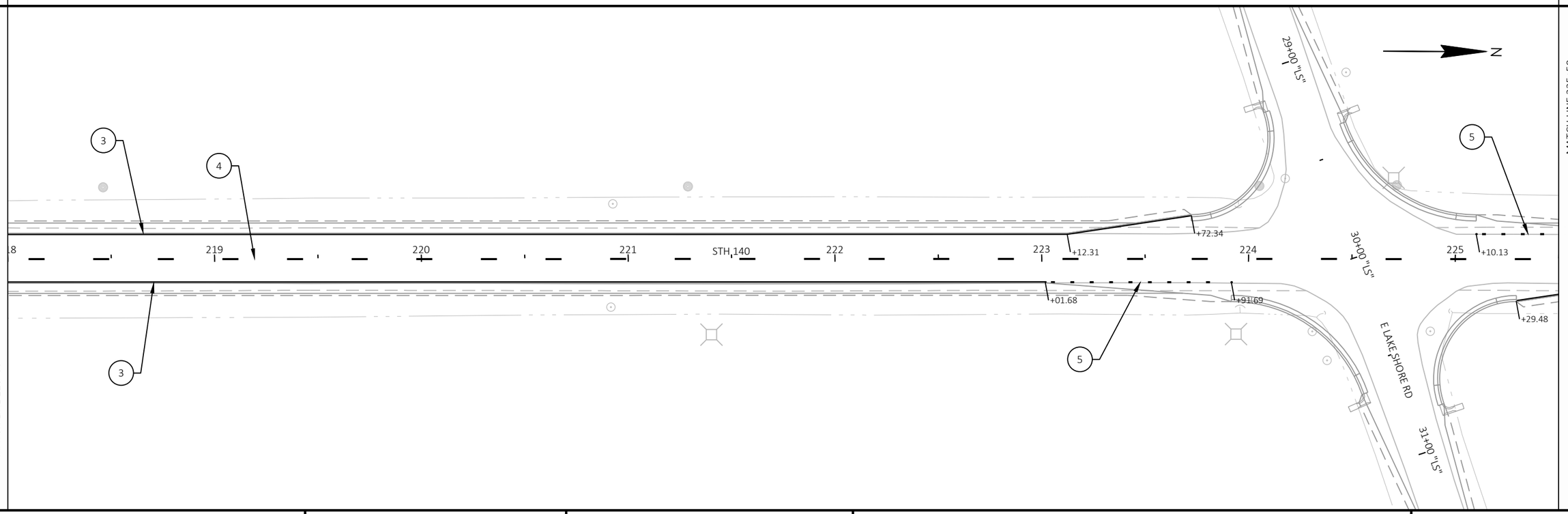


MATCH LINE 218+00

2

LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)



MATCH LINE 225+50

MATCH LINE 218+00

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 89	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 11

PLOT DATE : 11/18/2024 5:22 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

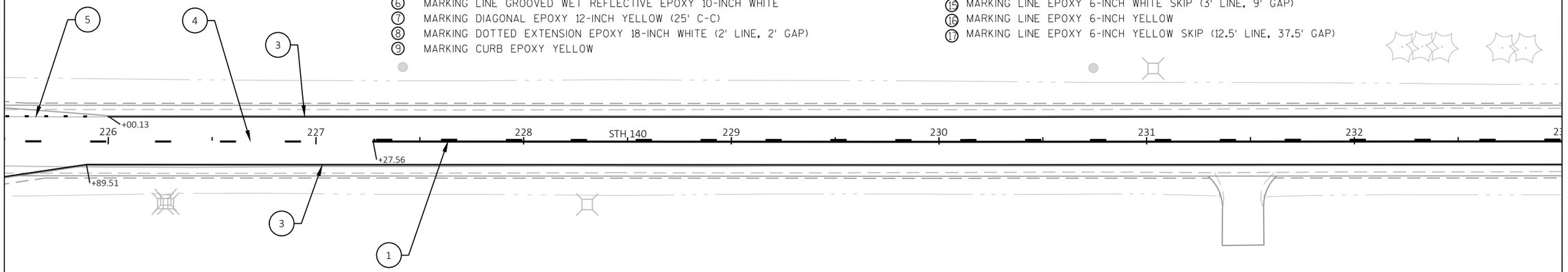
LEGEND

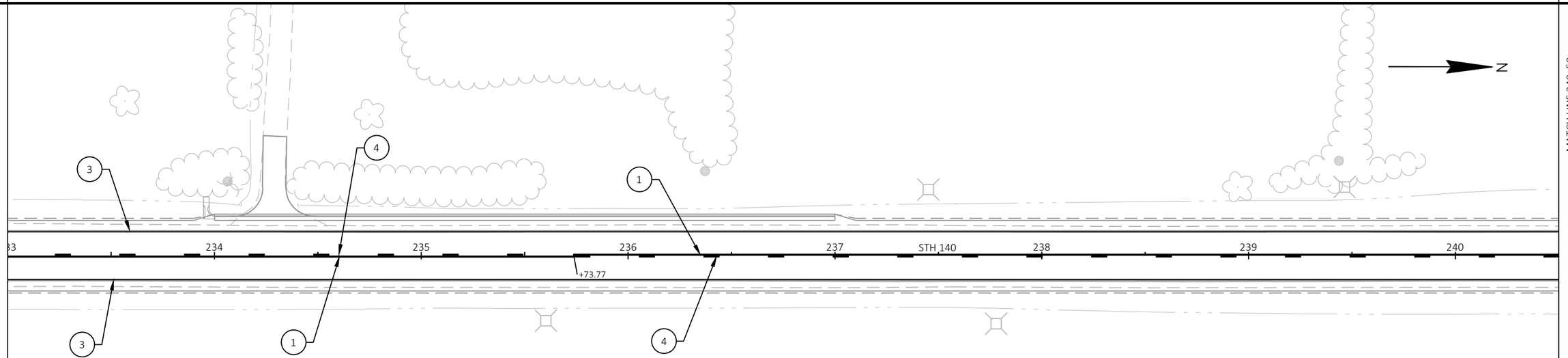
1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

N

MATCH LINE 225+50

MATCH LINE 233+00





MATCH LINE 233+00

MATCH LINE 240+50

2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 90	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 12

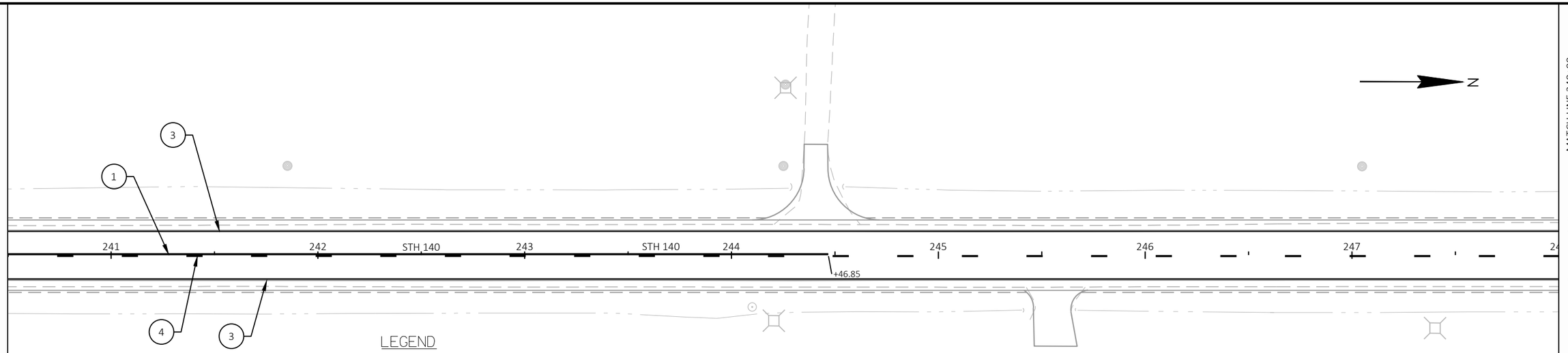
PLOT DATE : 11/18/2024 5:23 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

MATCH LINE 240+50

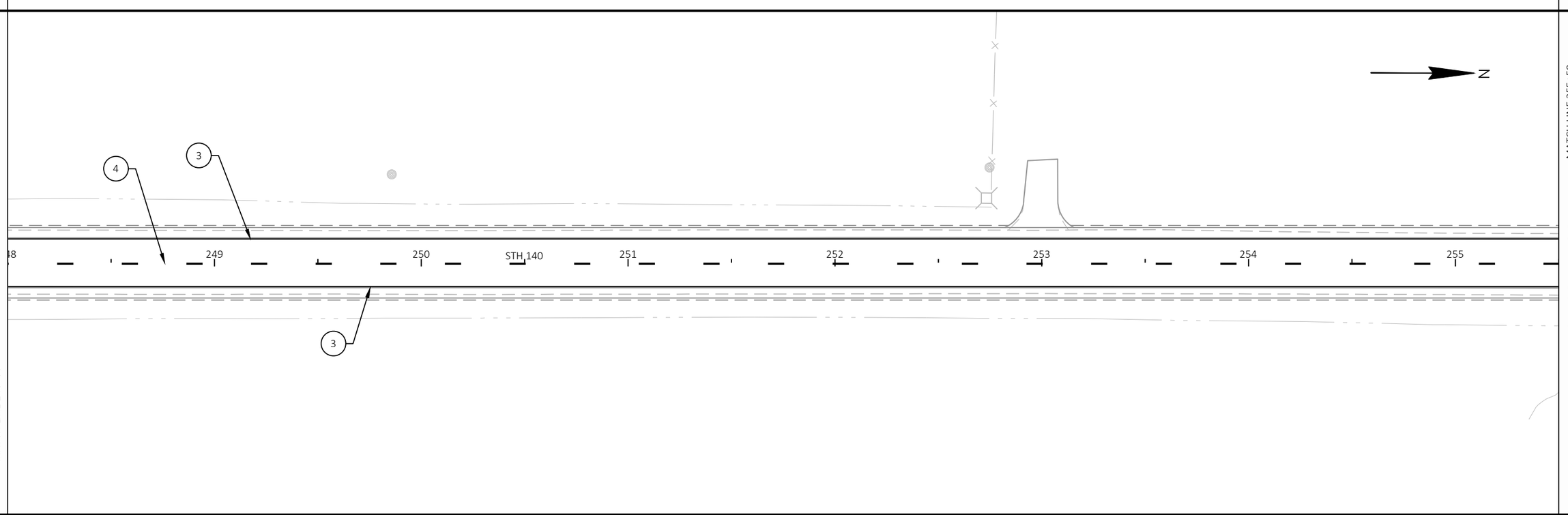
MATCH LINE 248+00

2



LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)



MATCH LINE 255+50

MATCH LINE 248+00

2

LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

N

MATCH LINE 255+50

MATCH LINE 263+00

256 257 258 259 STH 140 260 261 262

3 3 4

MATCH LINE 263+00

MATCH LINE 270+50

N

263 264 265 266 STH 140 267 268 269 270

+92.78

3 4 1

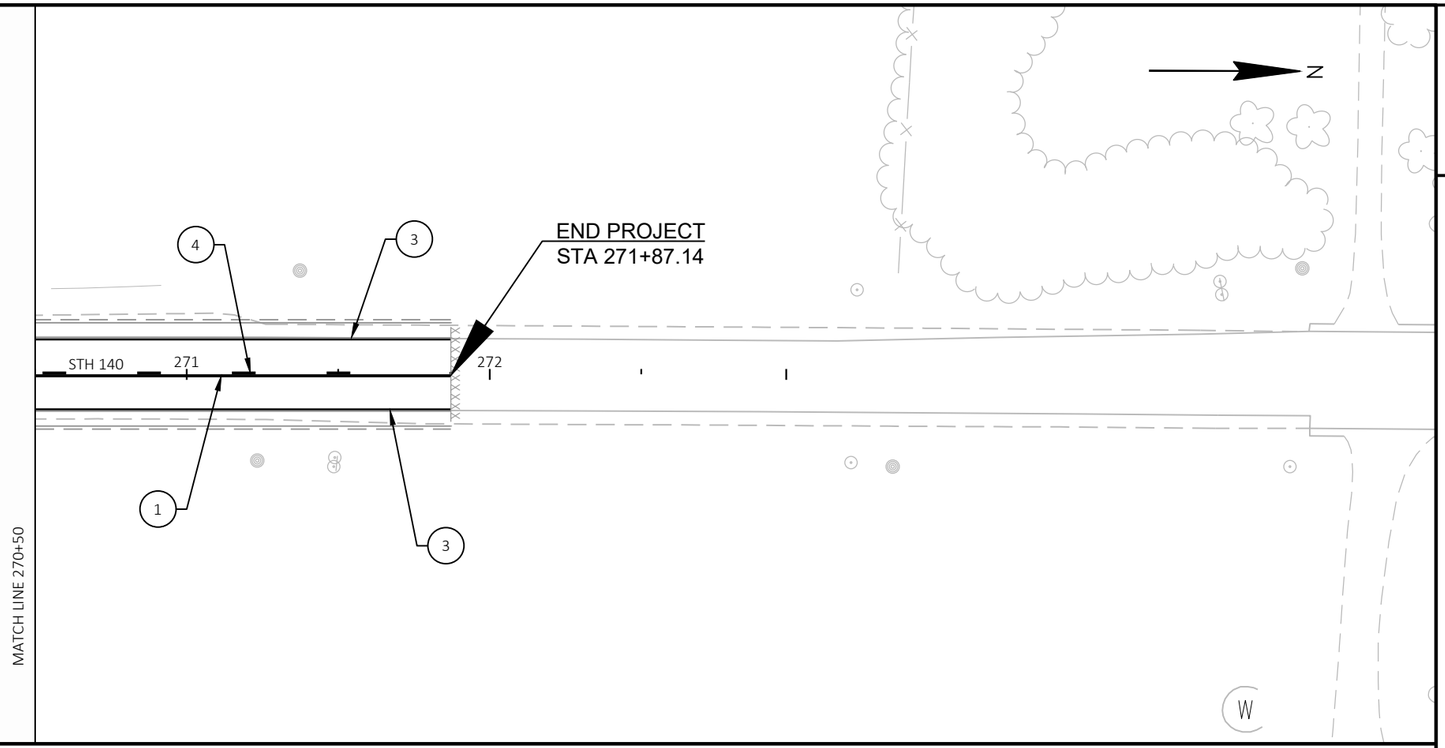
2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 92	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 14

PLOT DATE : 11/18/2024 5:25 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

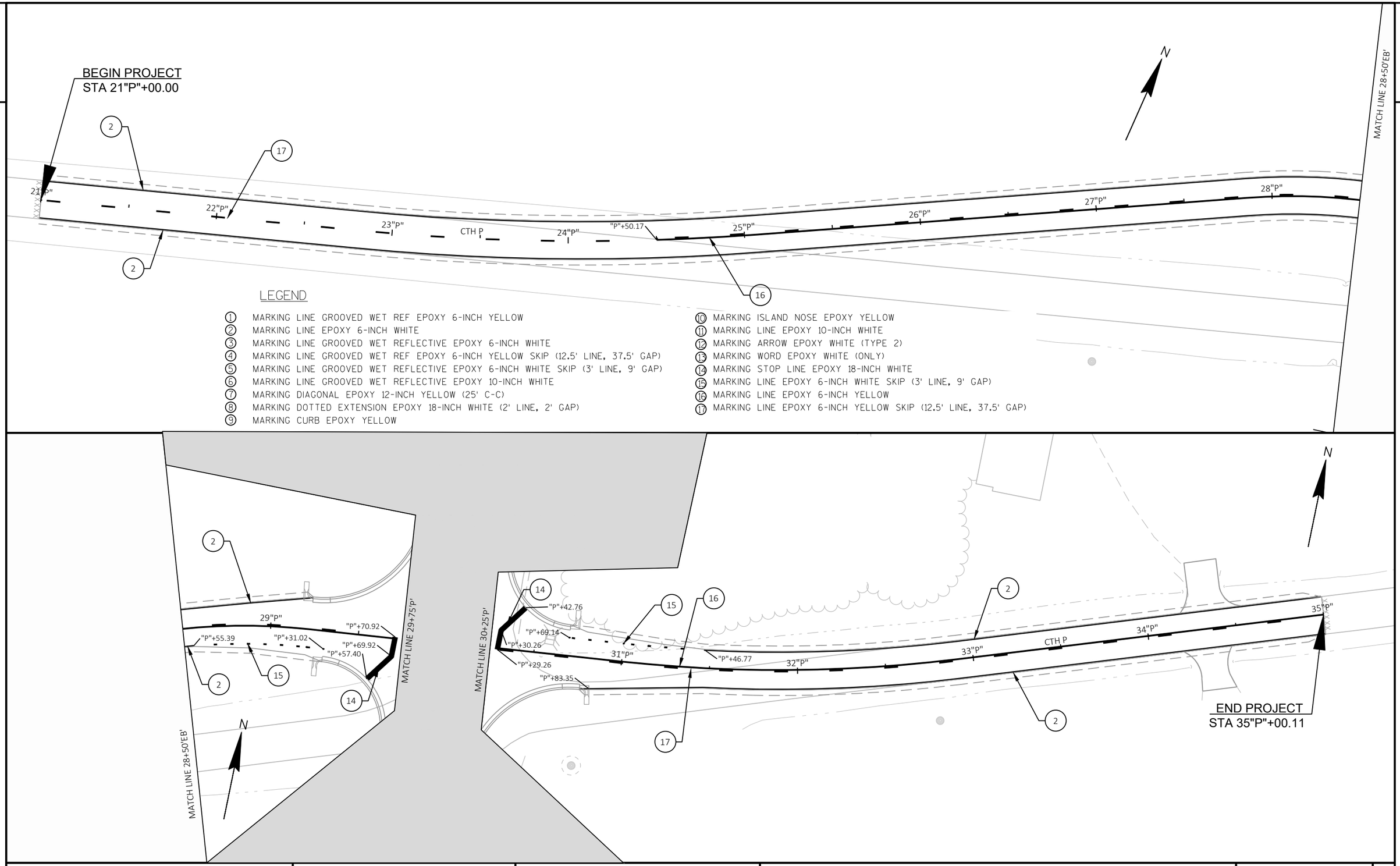
WISDOT/CADDS SHEET 44



2

LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 94	E

LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)

RAMP

BEGIN CONSTRUCTION
STA 202"EB"+88.08

BEGIN PROJECT
STA 207"EB"+34.84

203"WB"
203"EB"
204"WB"
204"EB"
205"WB"
205"EB"
206"WB"
206"EB"
207"WB"
207"EB"
"WB"+88.08
"EB"+88.08
208"WB"
208"EB"
"EB"+79.27
209"WB"
209"EB"
210"
210

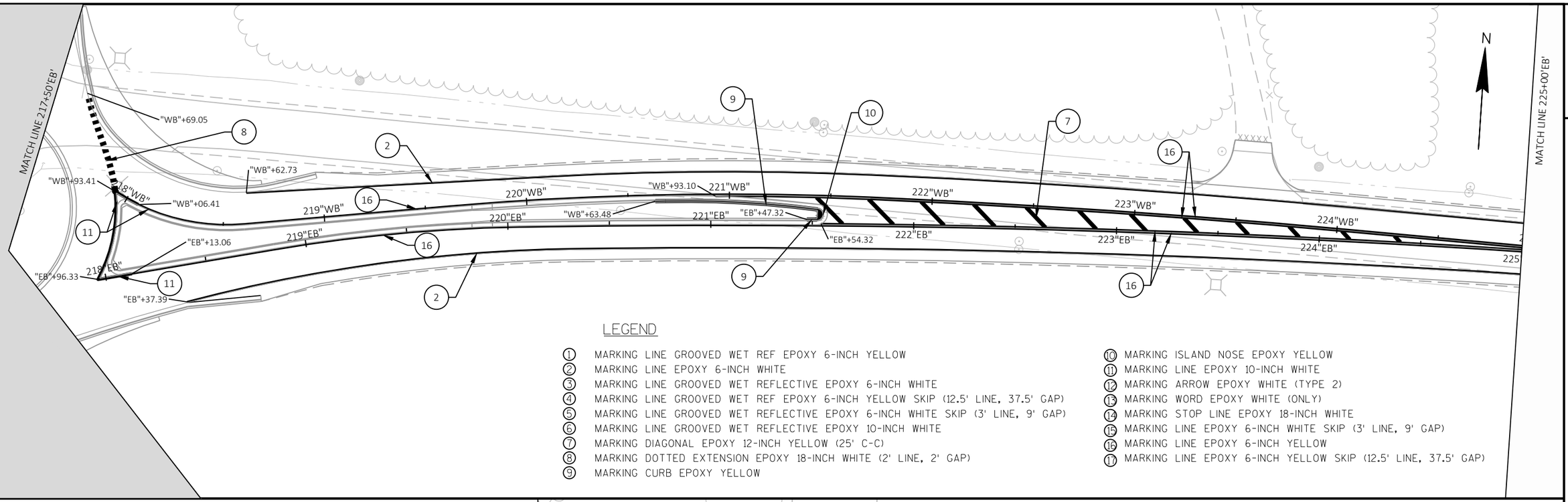
MATCH LINE 210+00'EB'

N

"WB"+98.93
211"WB"
211"EB"
212"WB"
212"EB"
213"WB"
213"EB"
"WB"+05.93
"EB"+72.39
"EB"+45.60
214"WB"
214"EB"
"WB"+55.06
"EB"+55.16
215"WB"
215"EB"
"WB"+74.26
"WB"+31.40
"EB"+31.47
"EB"+78.62
"WB"+52.95
"WB"+37.90
216"WB"
216"EB"
"EB"+37.40
"EB"+50.28
"EB"+65.65

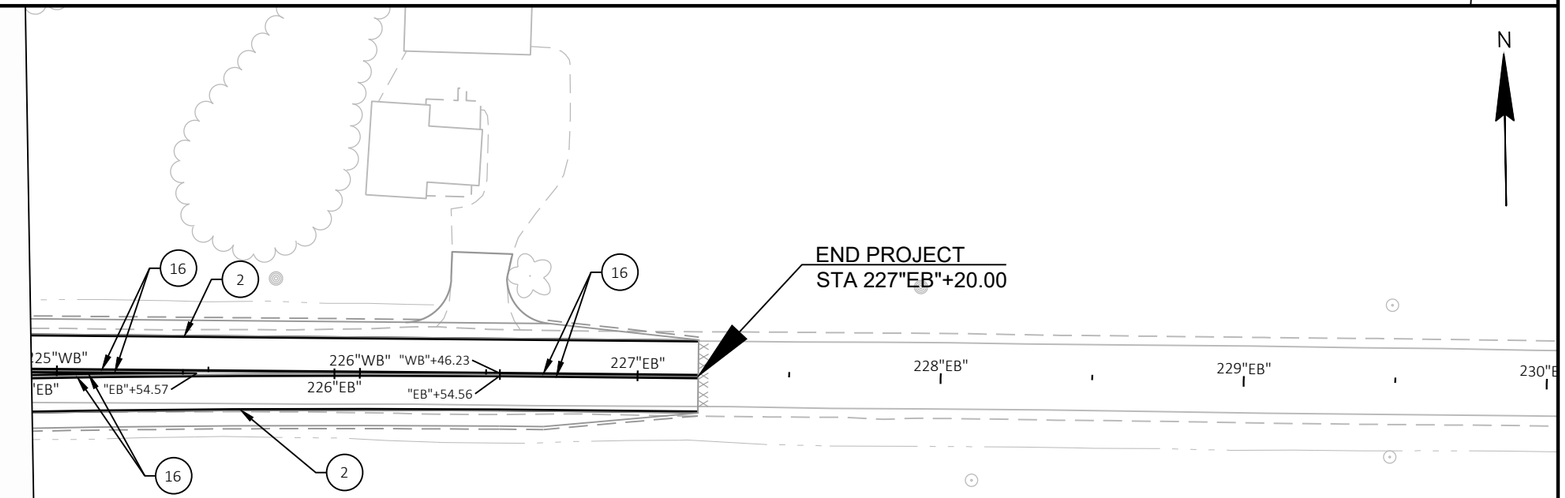
MATCH LINE 216+75'EB'

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 95	E



LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW
2. MARKING LINE EPOXY 6-INCH WHITE
3. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)
5. MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
6. MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH WHITE
7. MARKING DIAGONAL EPOXY 12-INCH YELLOW (25' C-C)
8. MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE (2' LINE, 2' GAP)
9. MARKING CURB EPOXY YELLOW
10. MARKING ISLAND NOSE EPOXY YELLOW
11. MARKING LINE EPOXY 10-INCH WHITE
12. MARKING ARROW EPOXY WHITE (TYPE 2)
13. MARKING WORD EPOXY WHITE (ONLY)
14. MARKING STOP LINE EPOXY 18-INCH WHITE
15. MARKING LINE EPOXY 6-INCH WHITE SKIP (3' LINE, 9' GAP)
16. MARKING LINE EPOXY 6-INCH YELLOW
17. MARKING LINE EPOXY 6-INCH YELLOW SKIP (12.5' LINE, 37.5' GAP)



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PAVEMENT MARKING	SHEET 96	E

2

LEGEND

1 SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" AND "BARRICADES AND SIGNS FOR VARIOUS CLOSURES"

2 SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

3 SEE "BARRICADES AND SIGNS FOR BOX CULVERT WORK" DETAIL

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

MB PORTABLE CHANGEABLE MESSAGE SIGN

WORK TO BE COMPLETED DURING STAGE 1

WORK MAY BE COMPLETED DURING STAGE 1 OR STAGE 2

BOX CULVERT WORK AREA

NOTES:
DO NOT CLOSE LOCAL ACCESS AT STRUCTURE C-53-2037 AND STRUCTURE C-53-3031 CONCURRENTLY

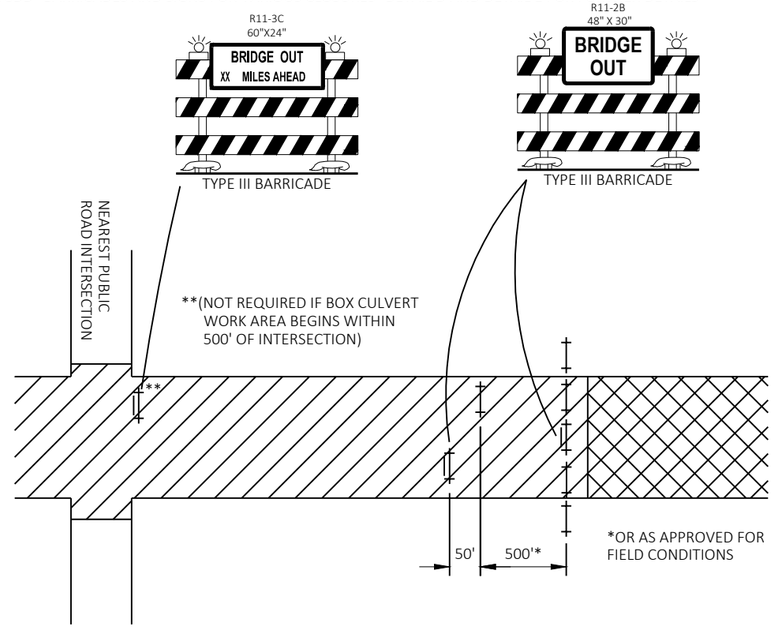
MAINTAIN LOCAL ACCESS AT ALL TIMES DURING ALL WORK OUTSIDE OF BOX CULVERT WORK AREAS

INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS 7 DAYS PRIOR TO START OF CLOSURE. DISPLAY THE FOLLOWING MESSAGE, WITH THE APPROPRIATE DAY/DATE:

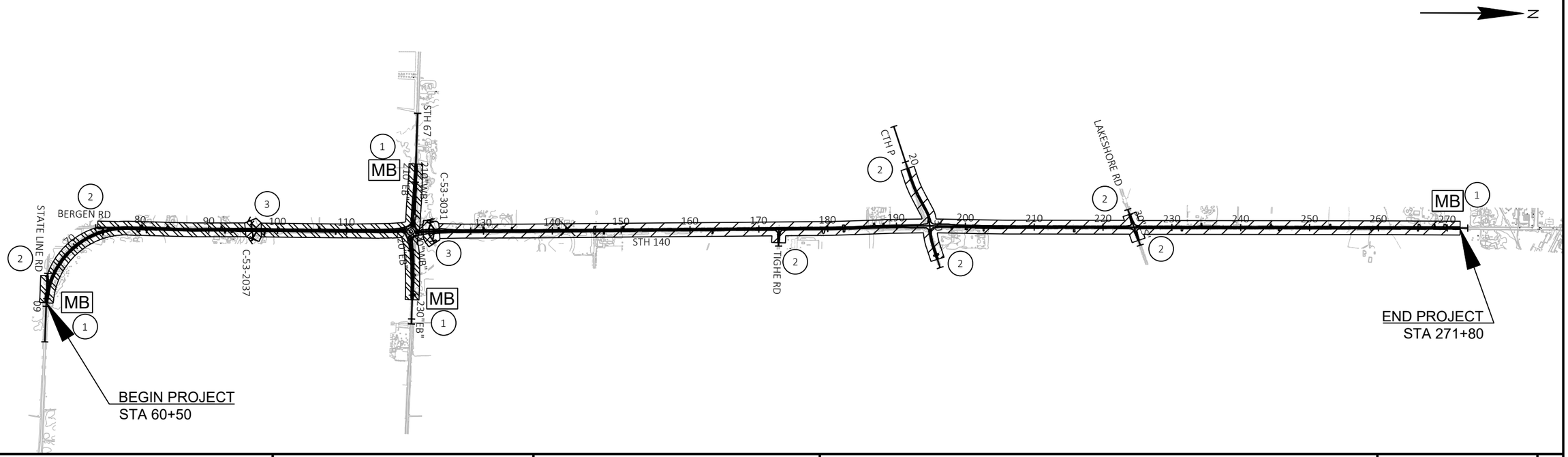
1ST FRAME:	2ND FRAME:
ROAD TO CLOSE	XXXXDAY XX/XX

NOTES:
INSTALL ON BOTH SIDES OF BOX CULVERT WORK AREA

SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL D AND DETAIL E FOR FURTHER DETAILS



BARRICADES AND SIGNS FOR BOX CULVERT WORK



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 1	SHEET 97	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026001-s1
PLOT DATE : 11/19/2024 10:46 AM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:1500 FT

2

LEGEND

1 SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" DETAIL C AND "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL E

2 SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4

3 SEE "BARRICADES AND SIGNS FOR BOX CULVERT WORK" DETAIL

4 SEE DETOUR PLAN - STAGE 2 DETAIL L2

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

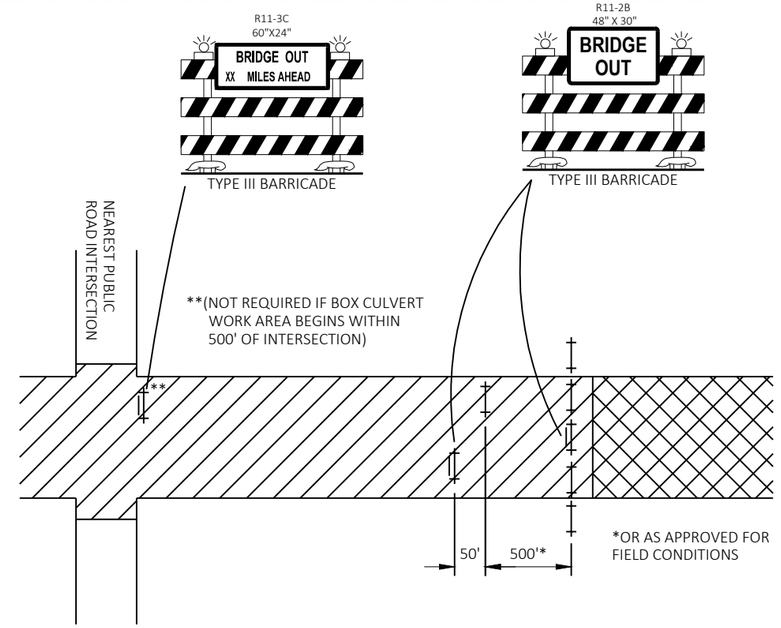
WORK TO BE COMPLETED DURING STAGE 2

BOX CULVERT WORK AREA

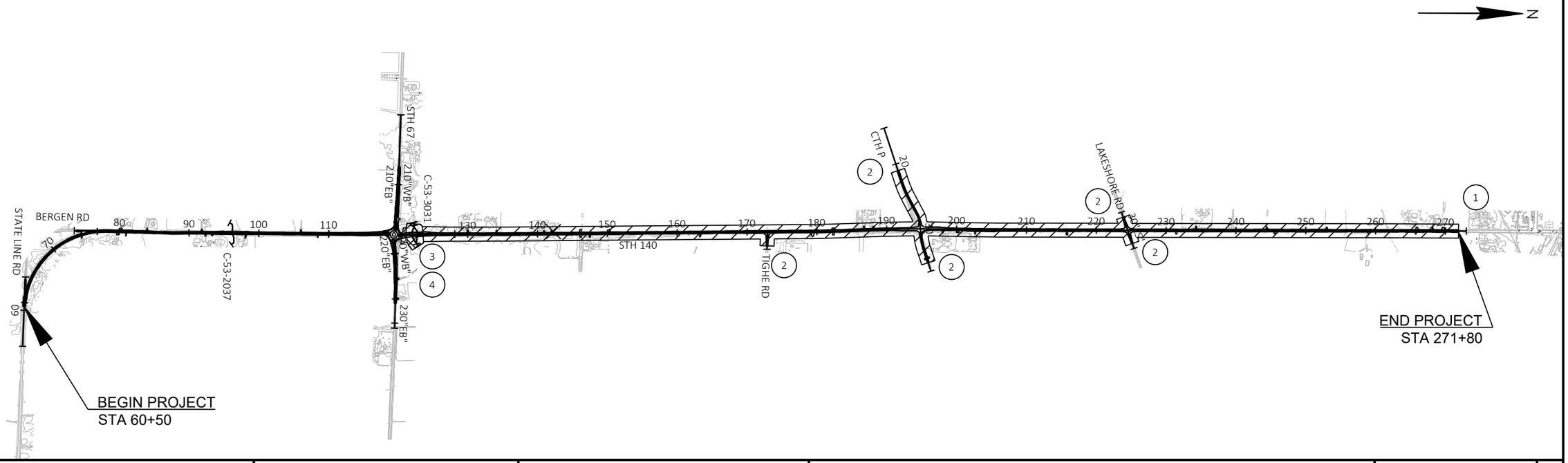
NOTES:
MAINTAIN LOCAL ACCESS AT ALL TIMES DURING ALL WORK OUTSIDE OF BOX CULVERT WORK AREA

NOTES:
INSTALL ON BOTH SIDES OF BOX CULVERT WORK AREA

SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL D AND DETAIL E FOR FURTHER DETAILS



BARRICADES AND SIGNS FOR BOX CULVERT WORK



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	TRAFFIC CONTROL- STAGE 2	SHEET 98	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026001-s2
PLOT DATE : 11/19/2024 10:47 AM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:1500 FT

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** TC SIGN ON LIGHT POLE

NOTES

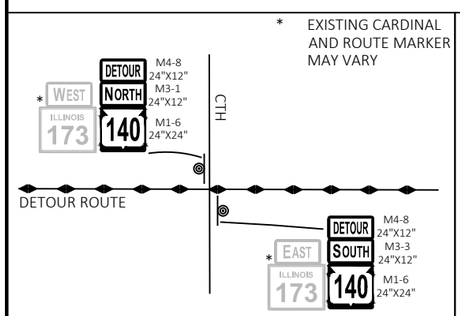
COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

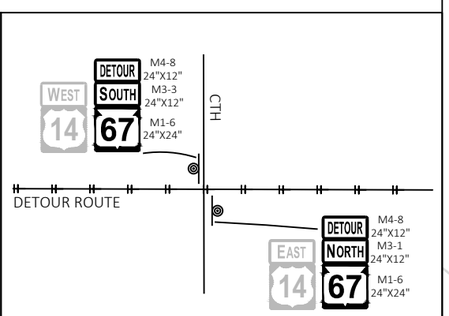
NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

STH 67 DETOUR UTILIZES IH 39, IH 43, AND USH 14.

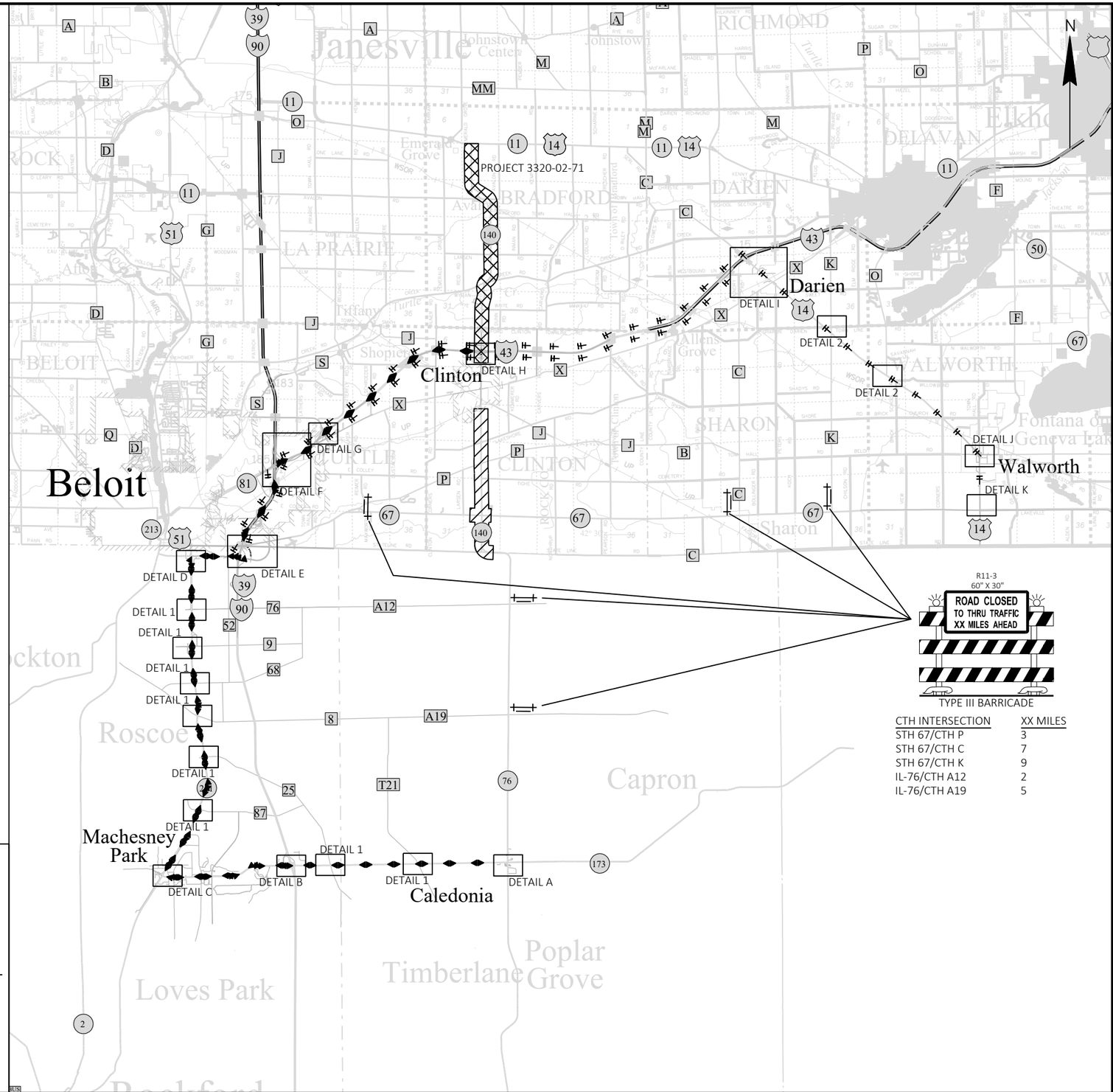
STH 140 DETOUR UTILIZES IL-173, IL-251, USH 51, IH 39, AND IH 43.



DETAIL 1



DETAIL 2



CTH INTERSECTION	XX MILES
STH 67/CTH P	3
STH 67/CTH C	7
STH 67/CTH K	9
IL-76/CTH A12	2
IL-76/CTH A19	5

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1 - STH 140 & STH 67	SHEET 99	E

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

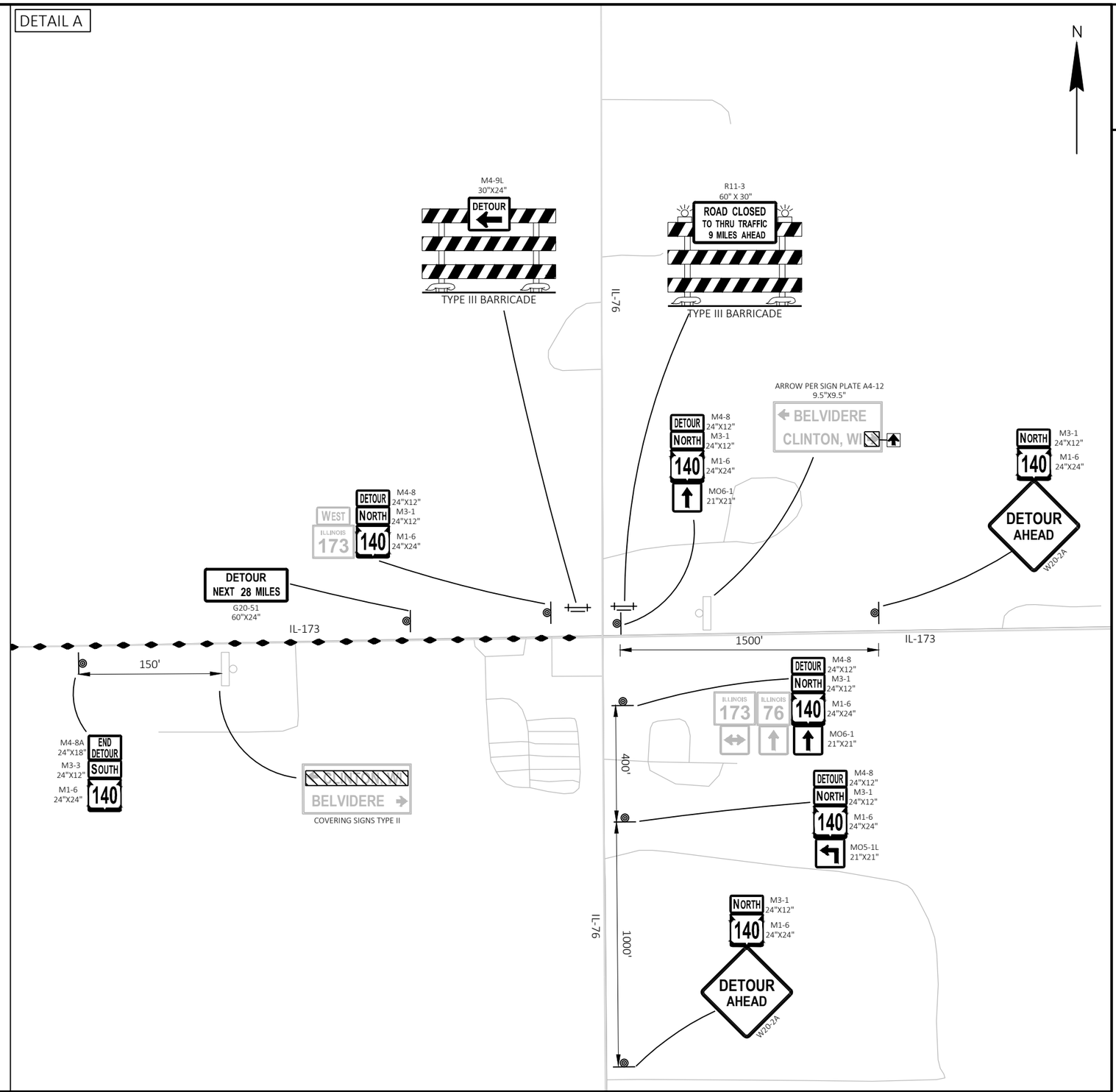
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL A



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1 - STH 140 & STH 67	SHEET 100	E

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

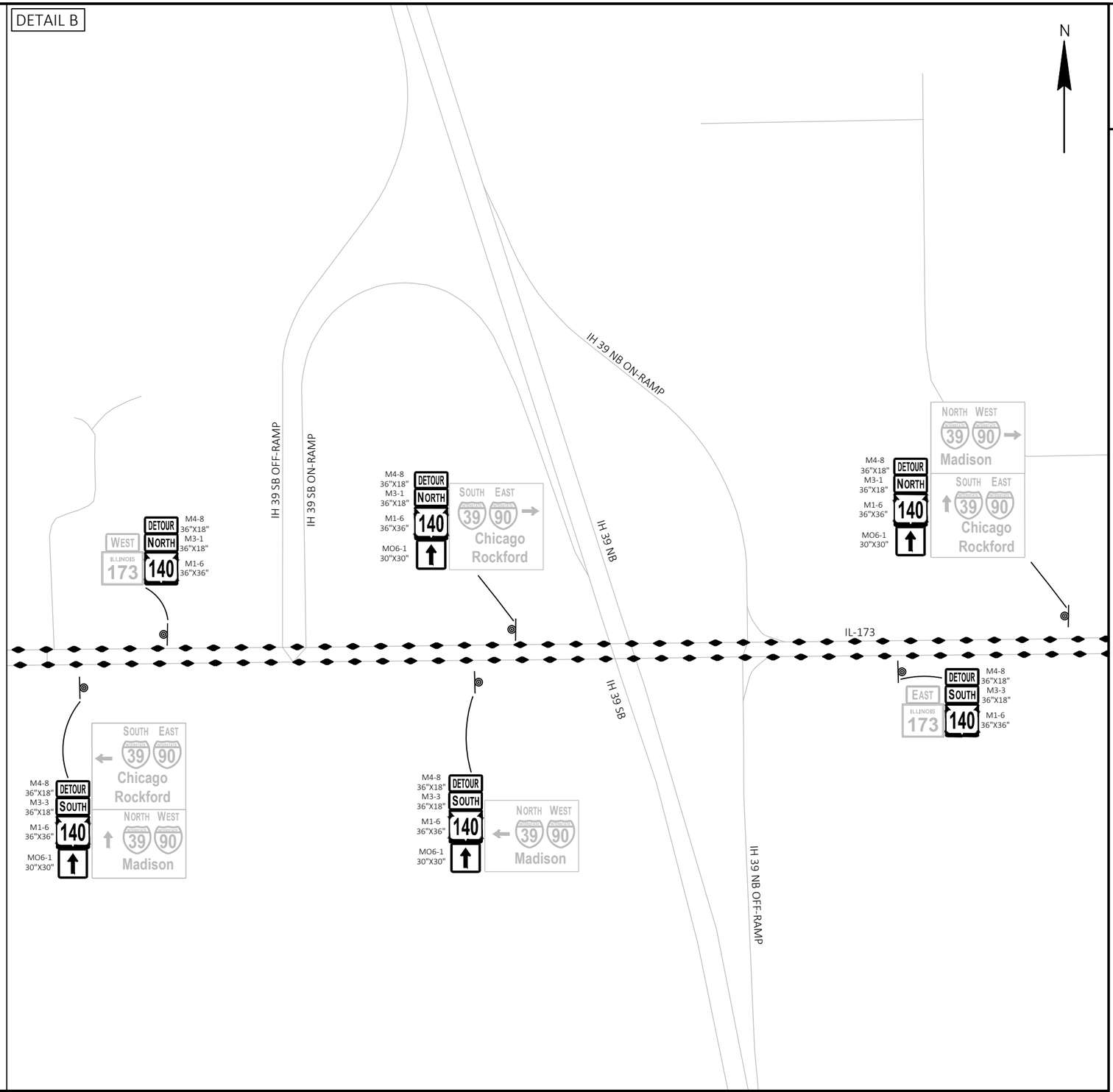
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL B



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1 - STH 140 & STH 67	SHEET 101	E

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

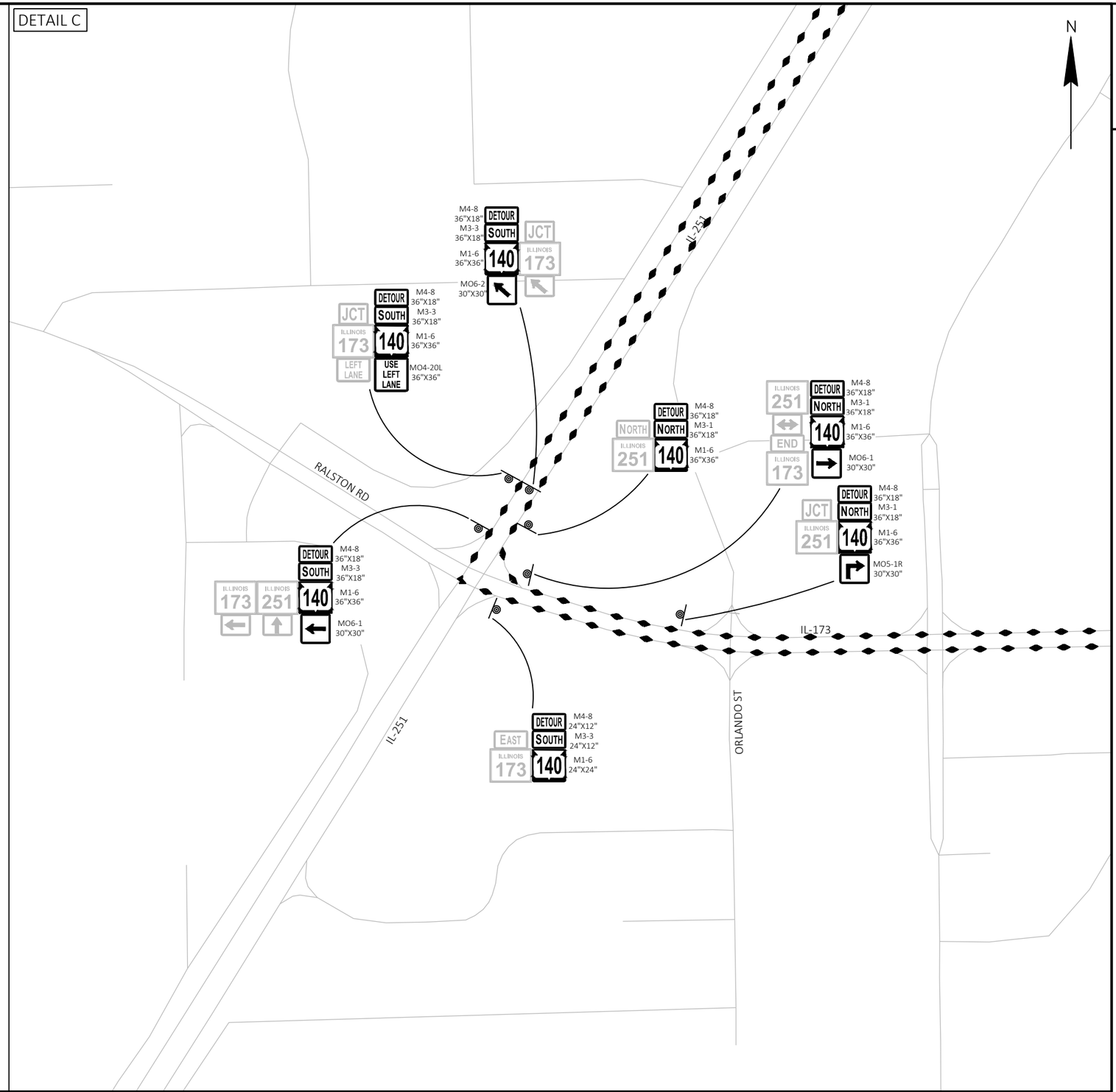
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL C



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1 - STH 140 & STH 67	SHEET 102	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - Detail C

PLOT DATE : 11/18/2024 5:28 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

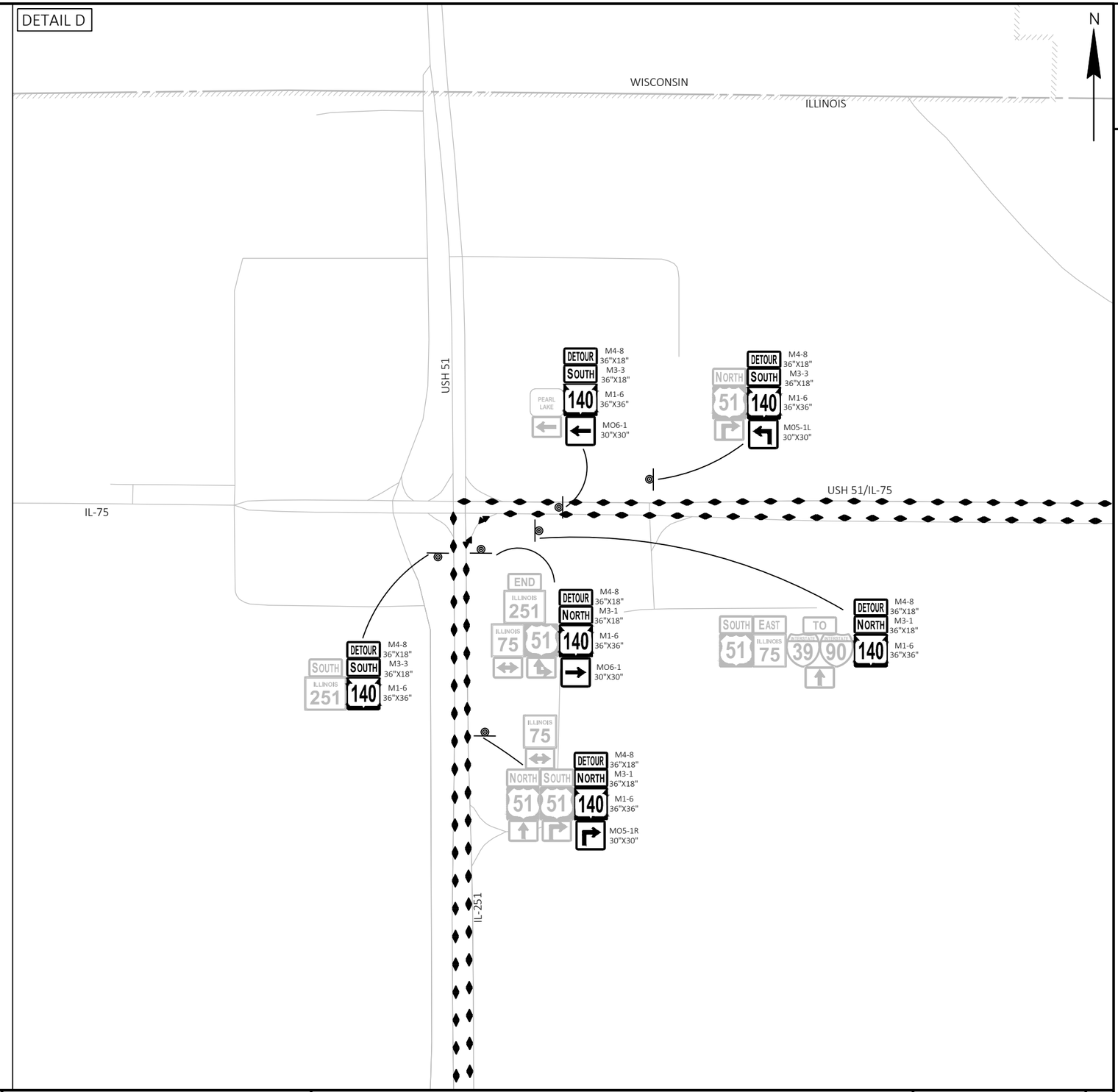
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL D



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1 - STH 140 & STH 67	SHEET 103	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - Detail D
PLOT DATE : 11/18/2024 5:28 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:400 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** TC SIGN ON LIGHT POLE

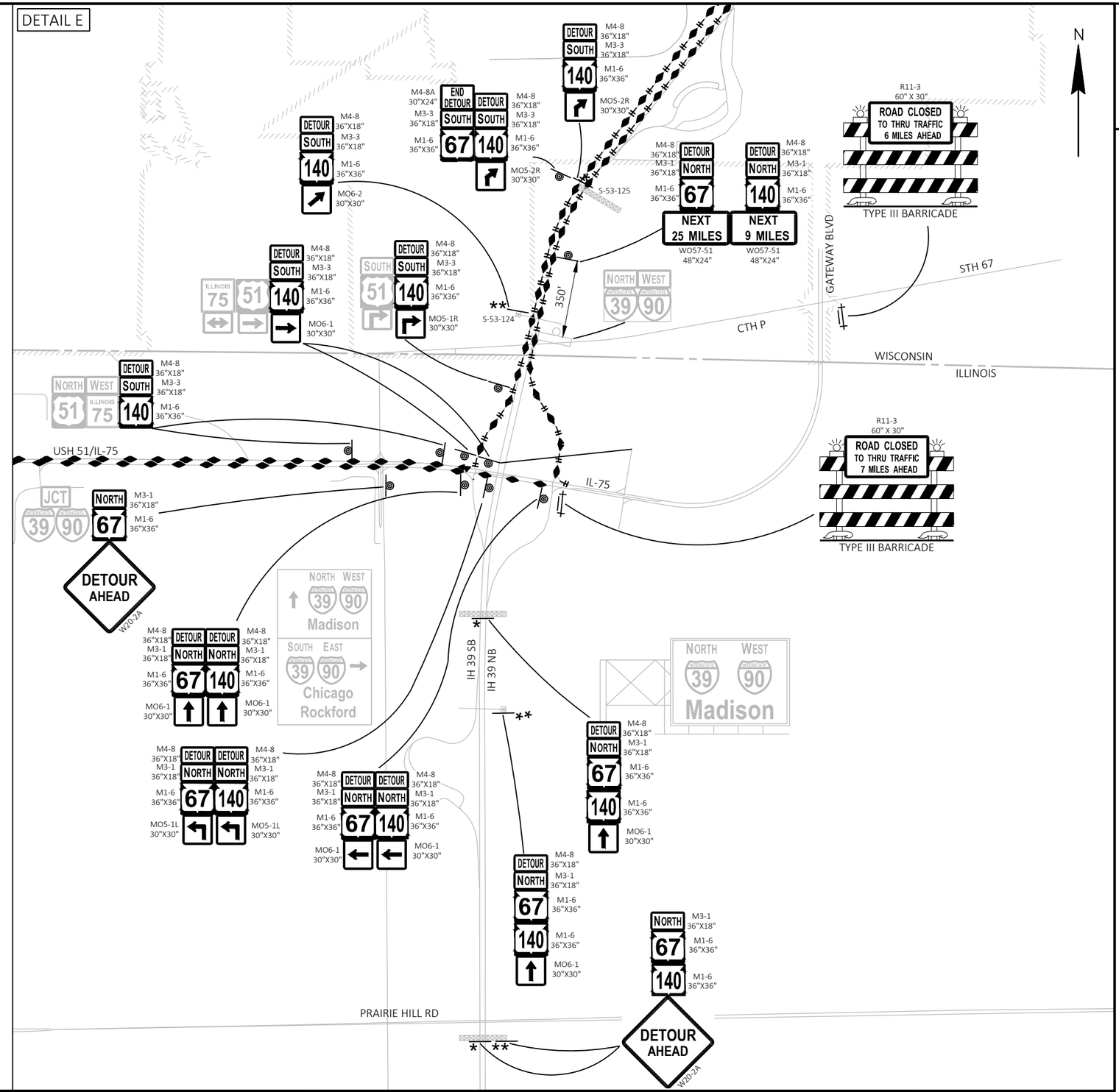
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL E



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1 - STH 140 & STH 67	SHEET 104	E

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE
- **** — TC SIGN ON BRIDGE PIER

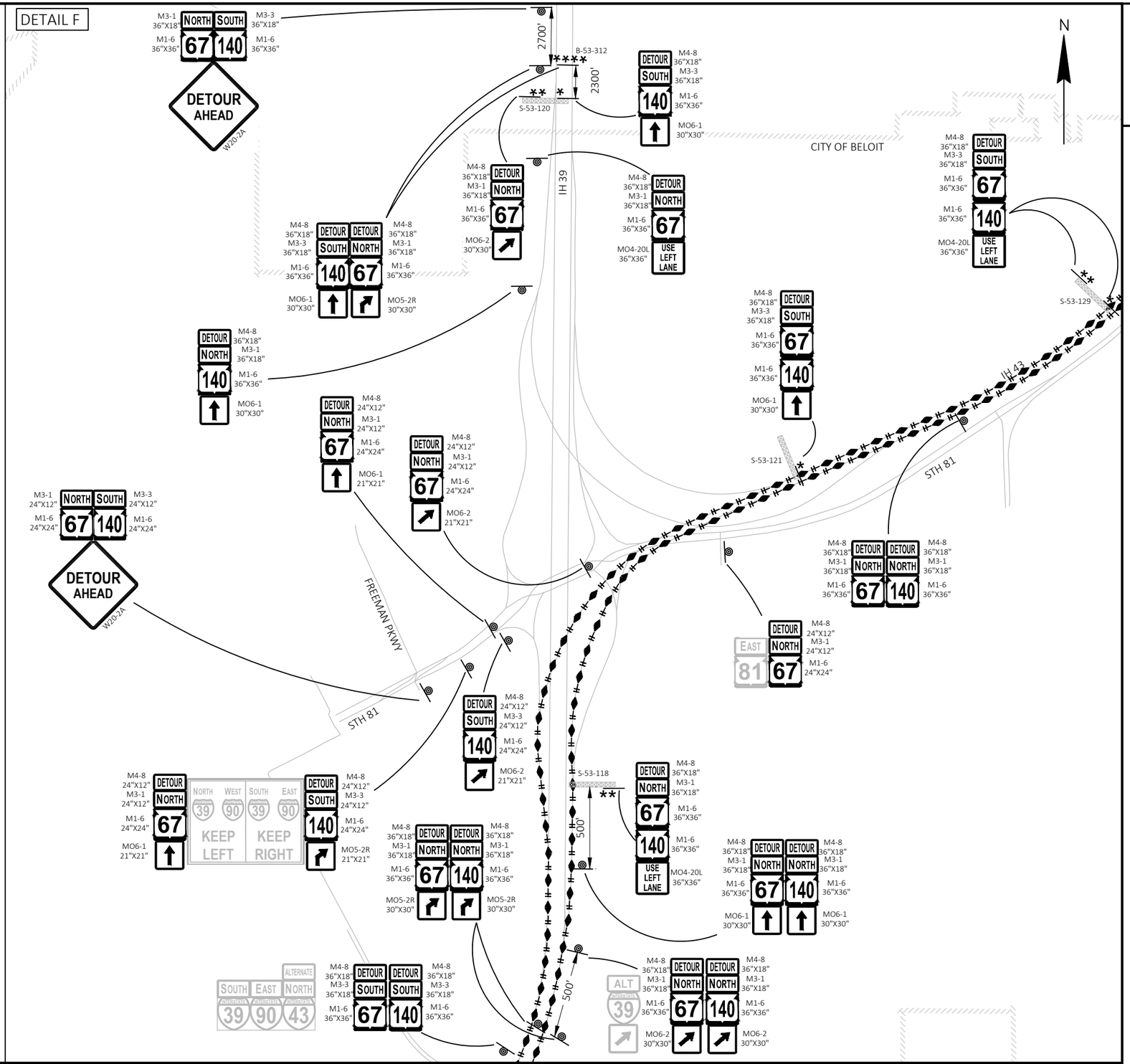
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL F


N
CITY OF BELOIT
IH 39
IH 43
STH 81
FREEMAN PKWY
2700'
2300'
500'
500'
S-53-120
S-53-121
S-53-129
S-53-118
B-53-312
DETOUR AHEAD
W20-2A
NORTH 67 SOUTH 140
DETOUR SOUTH 140
DETOUR NORTH 67
DETOUR SOUTH 67
DETOUR NORTH 140
DETOUR SOUTH 140
DETOUR NORTH 67
USE LEFT LANE
DETOUR SOUTH 67
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DETOUR NORTH 67
DETOUR SOUTH 140
DETOUR NORTH 67
DETOUR SOUTH 140
DETOUR NORTH 67
DETOUR SOUTH 140

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

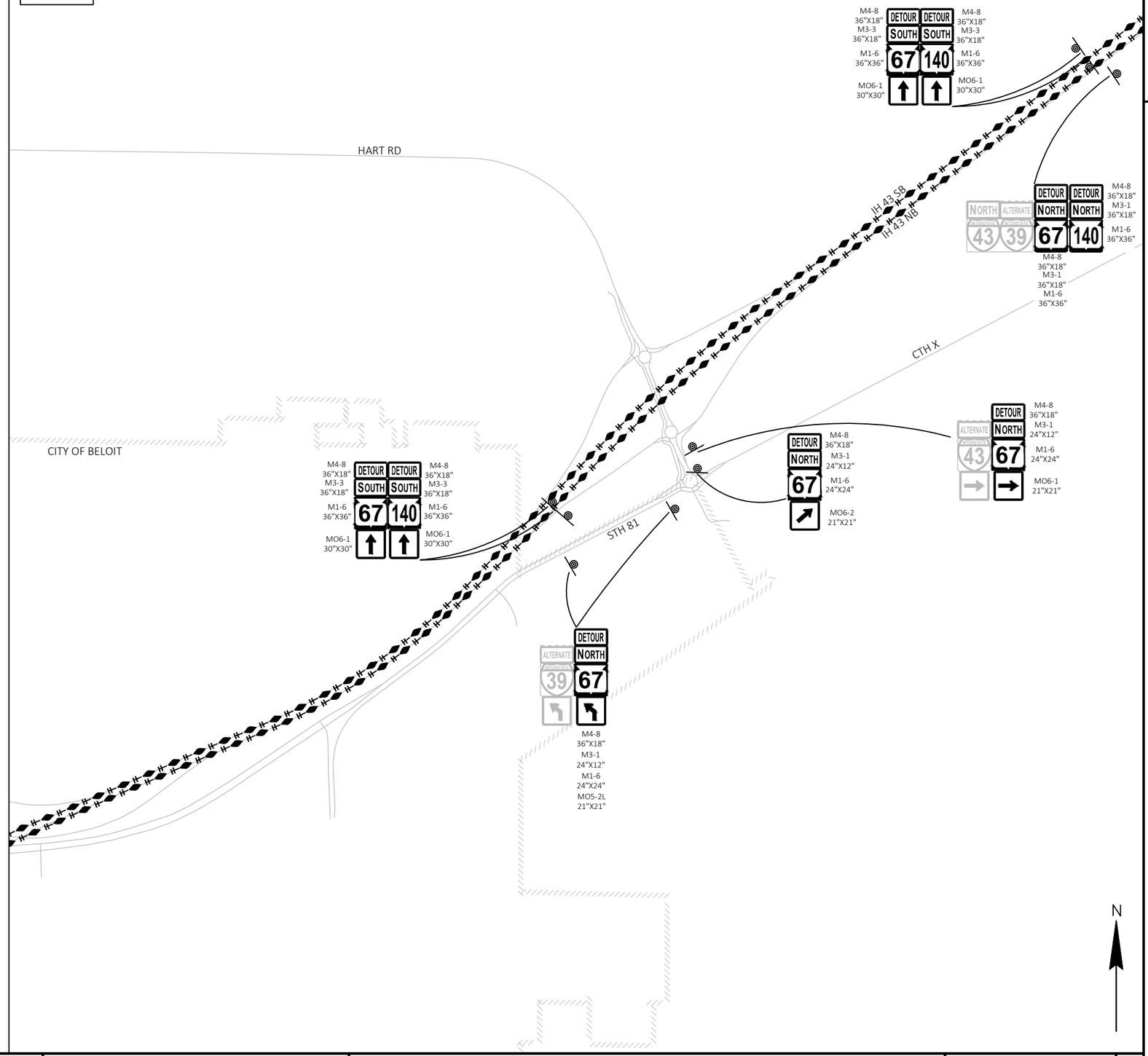
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL G



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1 - STH 140 & STH 67	SHEET 106	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - Detail G

PLOT DATE : 11/18/2024 5:29 PM PLOT BY : KYLE WILLIAMS PLOT NAME : ############

WISDOT/CADDS SHEET 42

2

LEGEND

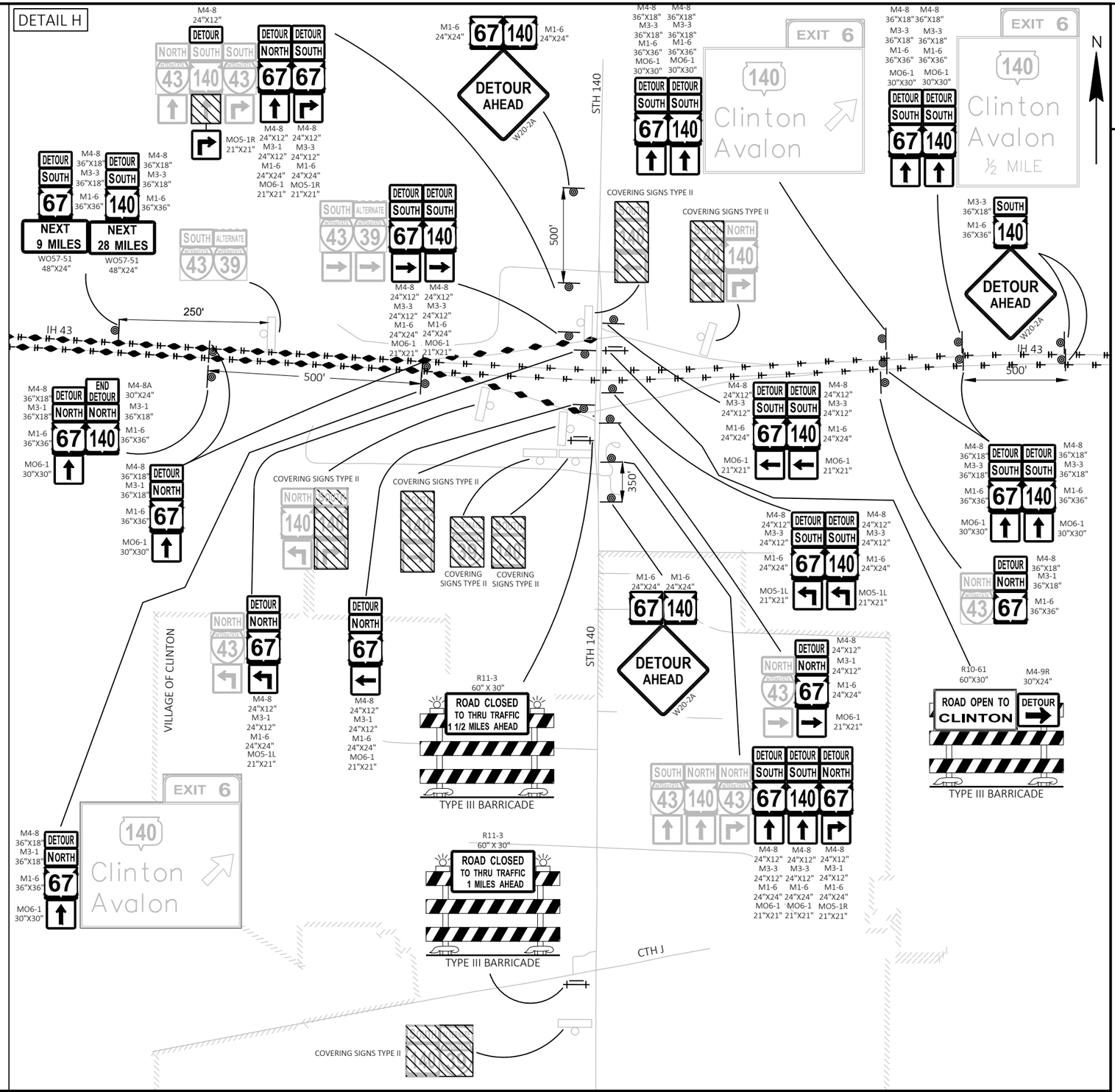
- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1 - STH 140 & STH 67	SHEET 107	E

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

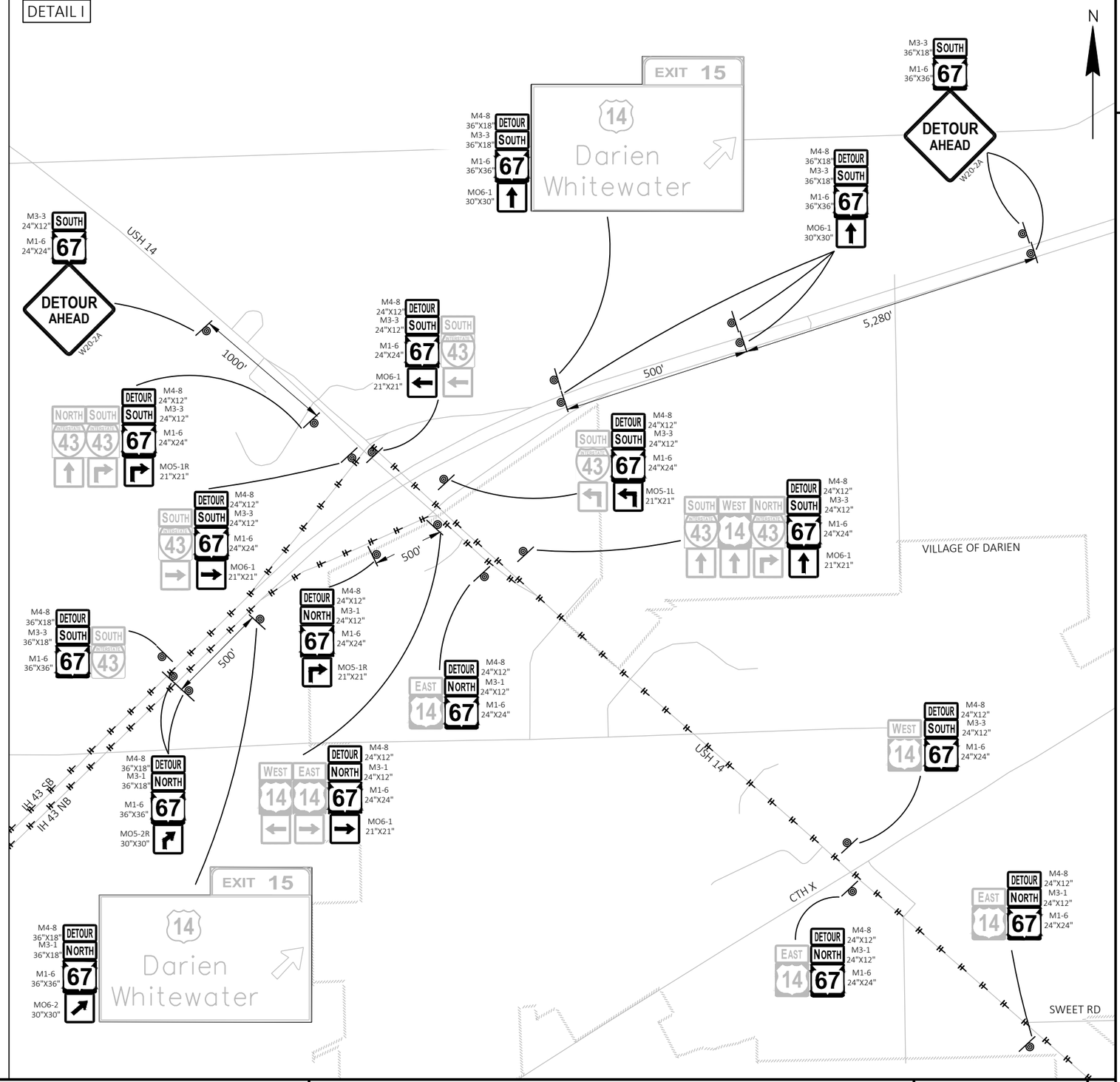
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL I



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1	SHEET 108 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027001-DT-67.DWG PLOT DATE : 11/18/2024 5:29 PM PLOT BY : KYLE WILLIAMS PLOT NAME :

WISDOT/CADDS SHEET 42

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

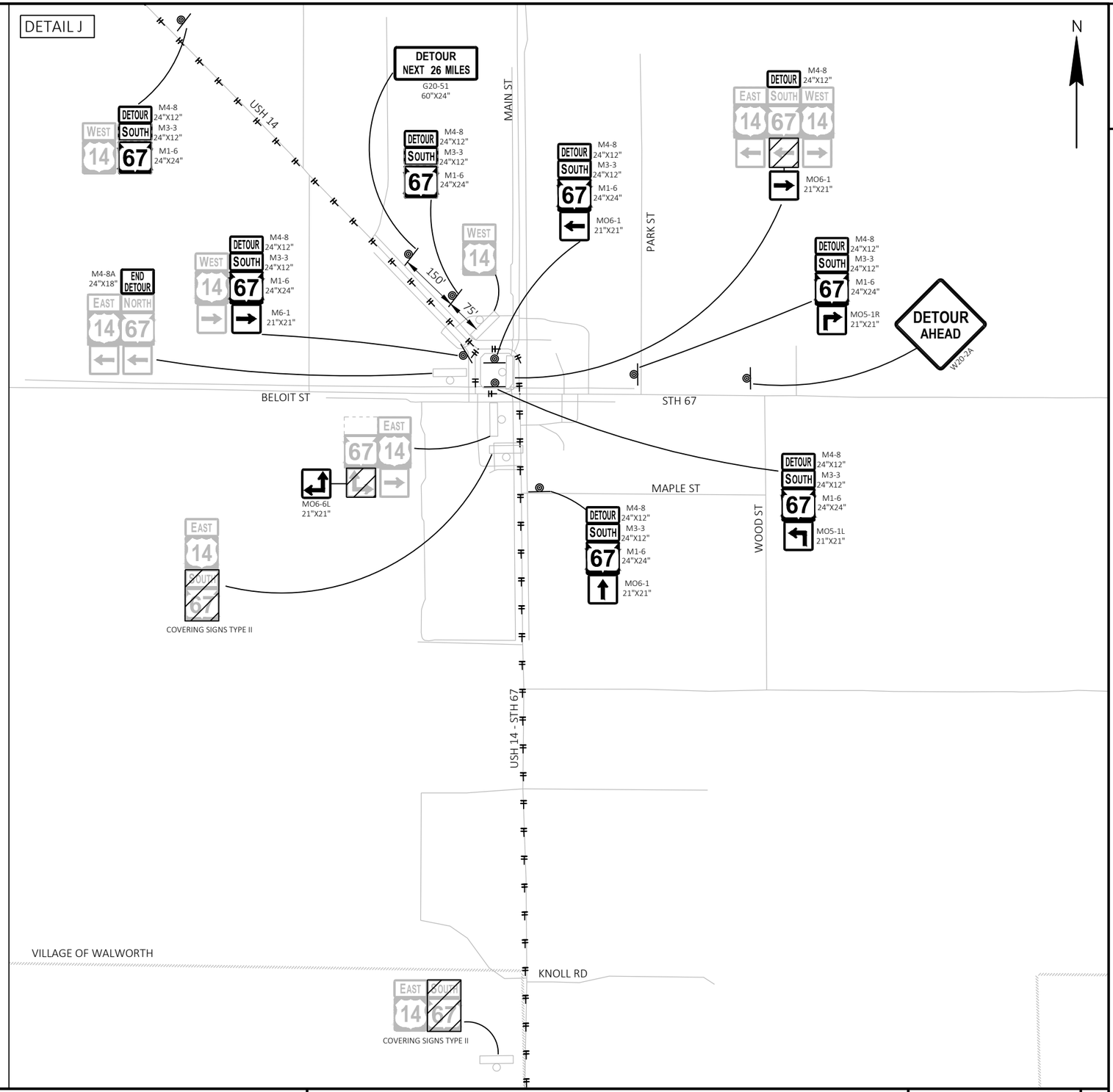
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL J



2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1	SHEET 109	E

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

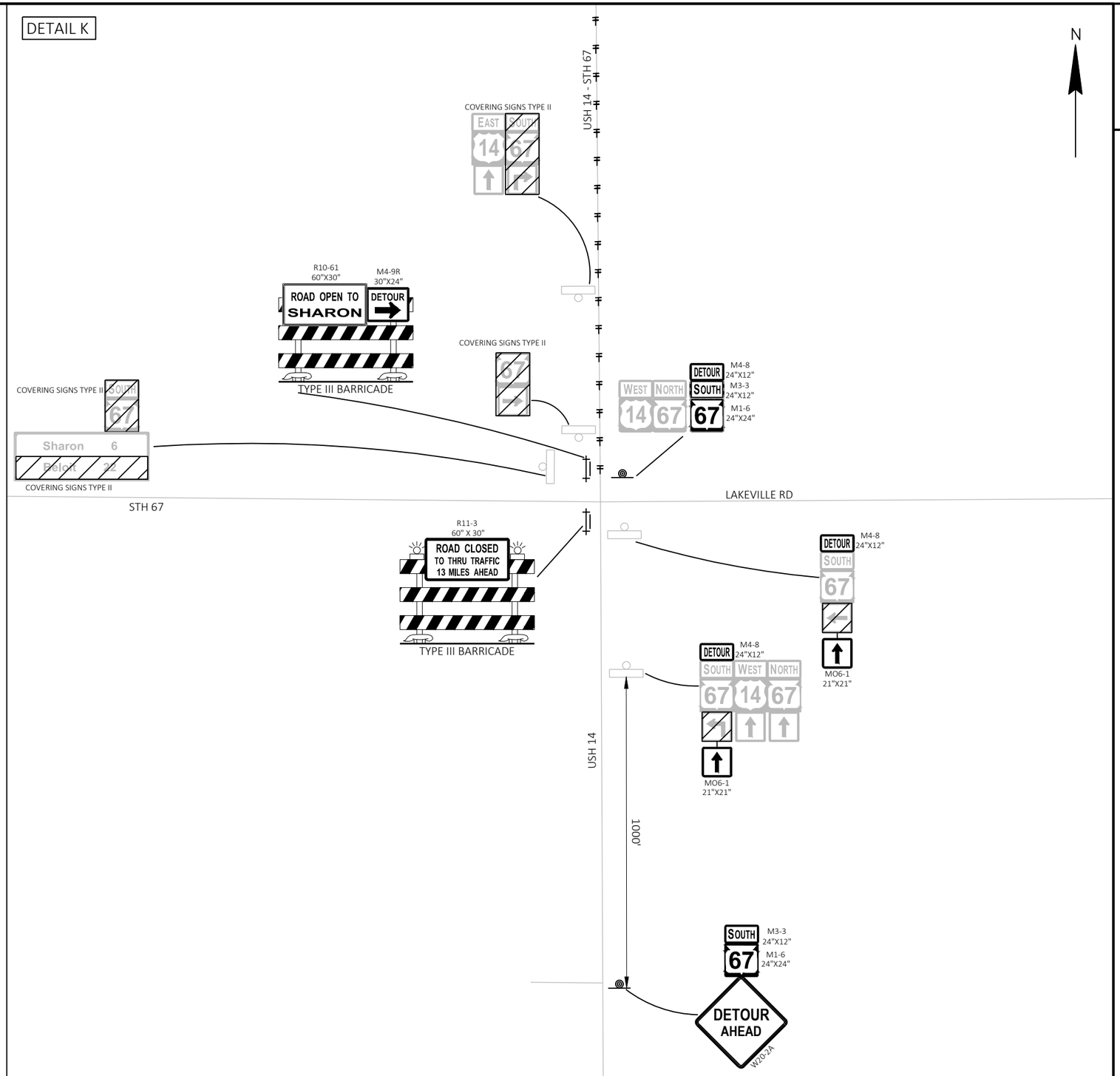
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL K



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 1	SHEET 110	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027001-DT-67.DWG PLOT DATE : 11/18/2024 5:30 PM PLOT BY : KYLE WILLIAMS PLOT NAME :

WISDOT/CADDS SHEET 42

2

LEGEND

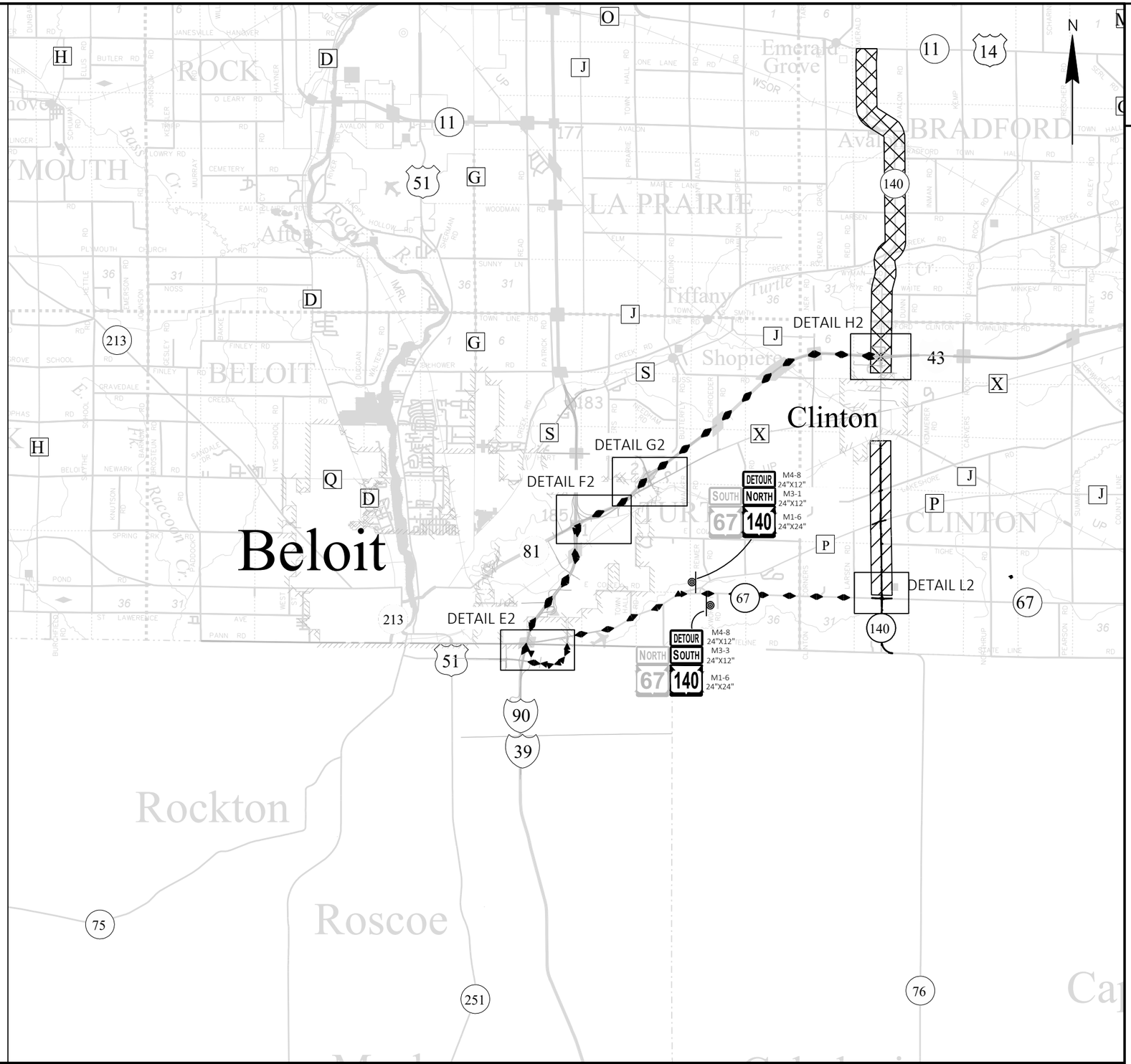
- STH 140 DETOUR ROUTE
- WORK AREA
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** TC SIGN ON LIGHT POLE

NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 2	SHEET 111	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027001-DT-140A.DWG
LAYOUT NAME - Detour Overview Stage 2

PLOT DATE : 11/18/2024 5:30 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:2 MI

WISDOT/CADDS SHEET 42

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

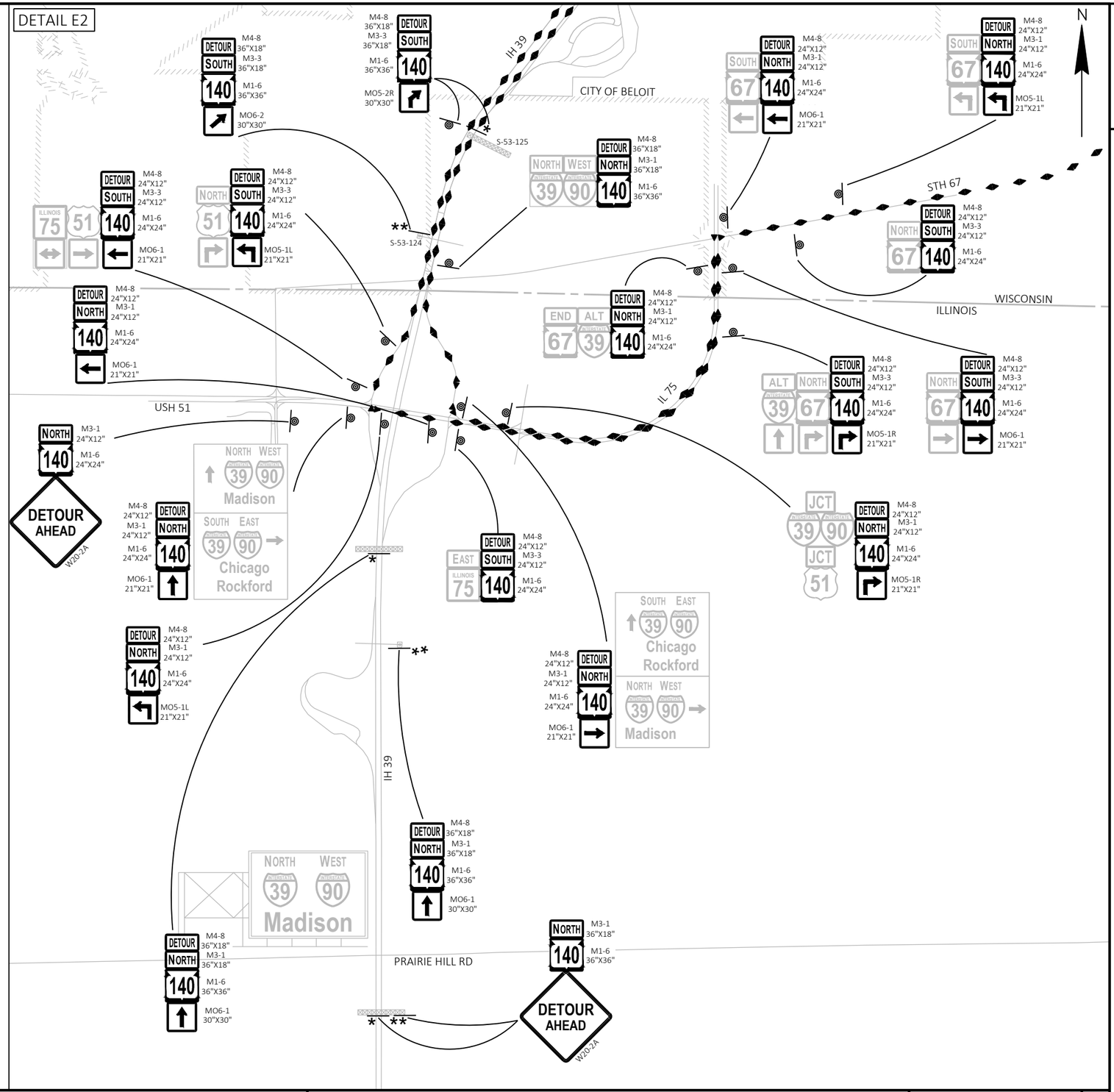
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL E2



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 2	SHEET 112	E

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE
- **** — TC SIGN ON BRIDGE PIER

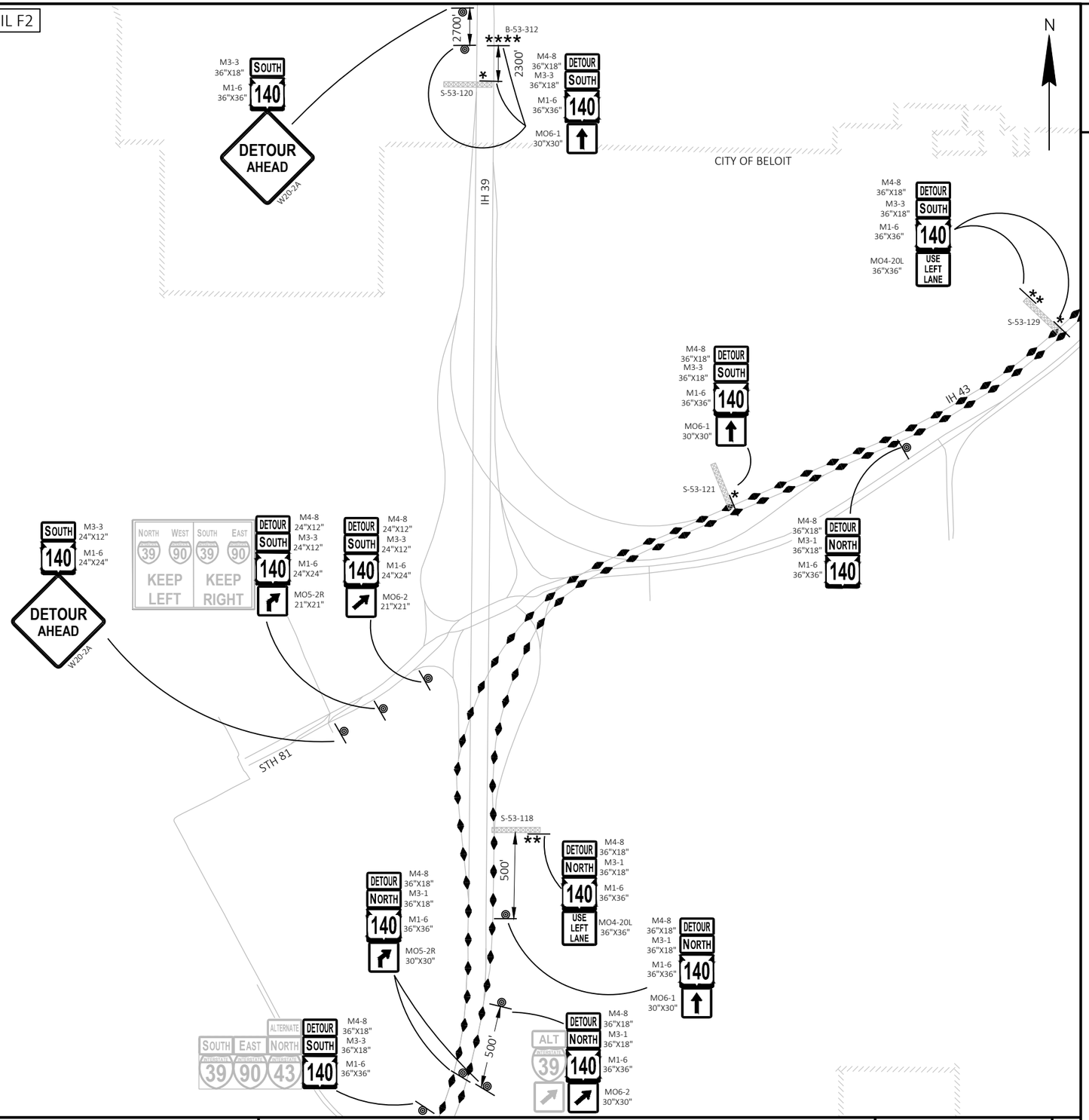
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL F2



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 2	SHEET 113	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027001-DT-140A.DWG
LAYOUT NAME - Detail F Stage 2

PLOT DATE : 11/18/2024 5:30 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : #########

WISDOT/CADDS SHEET 42

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

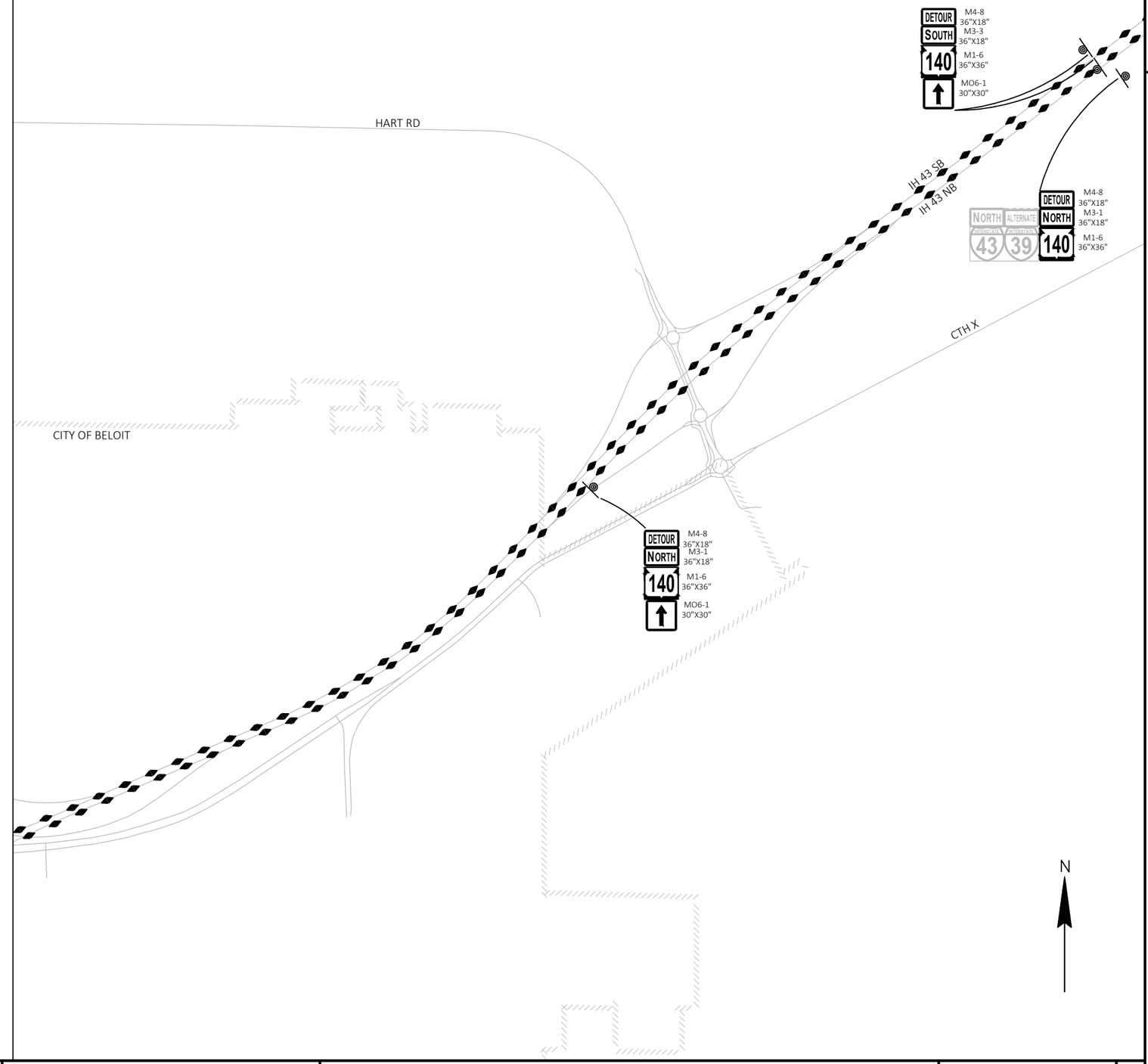
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL G2



2

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 2	SHEET 114	E

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

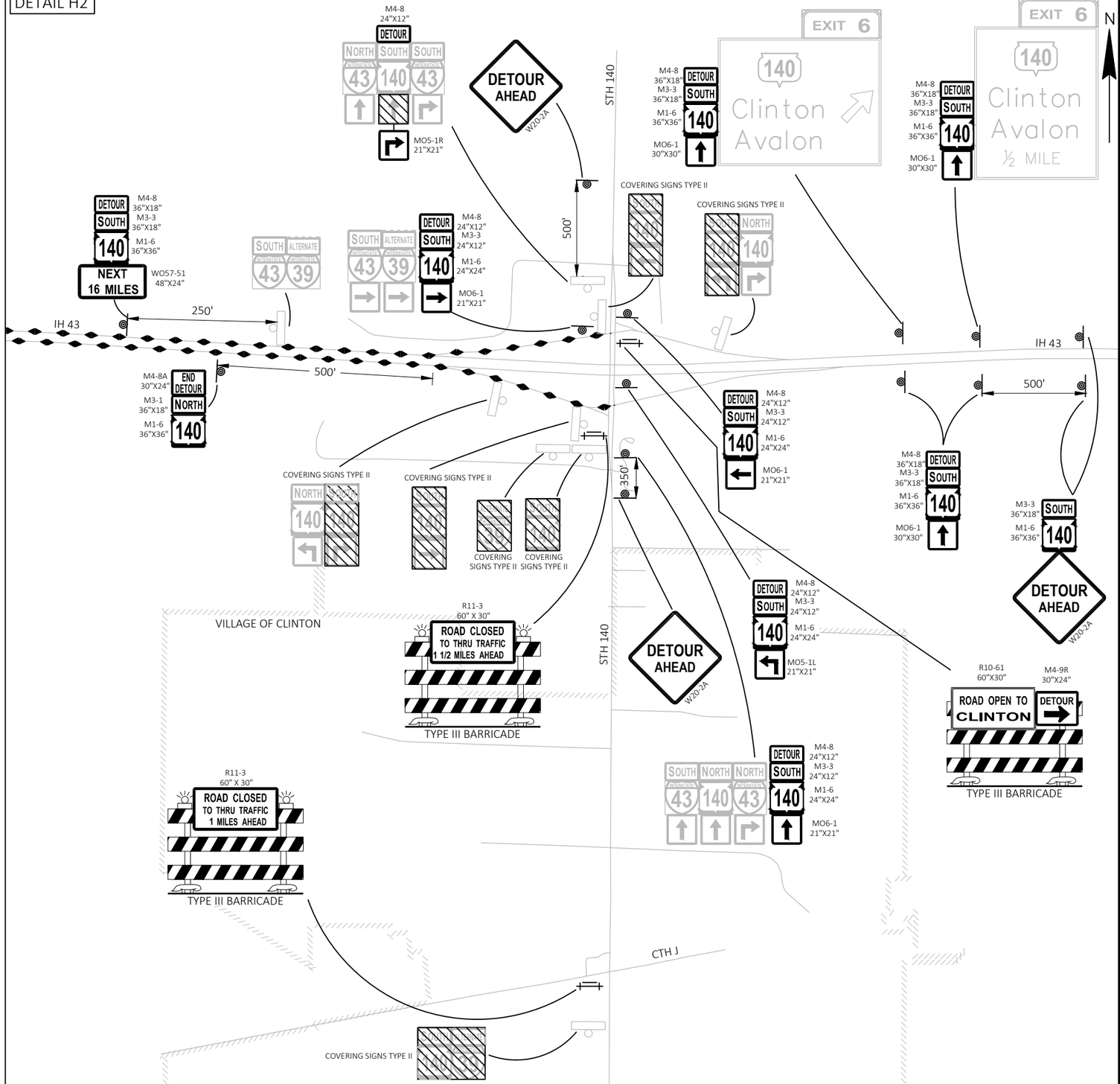
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL H2



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 2	SHEET 115	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027001-DT-140A.DWG
LAYOUT NAME - Detail H Stage 2

PLOT DATE : 11/18/2024 5:30 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

- STH 140 DETOUR ROUTE
- STH 67 DETOUR ROUTE
- WORK AREA
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- NEARBY PROJECT WORK AREA
- TC SIGN ON POST
- EXISTING TYPE II SIGN LOCATION
- EXISTING FULL SPAN SIGN BRIDGE
- EXISTING CANTILEVER SIGN BRIDGE
- TC BARRICADE TYPE III WITH TC SIGN
- * — TC SIGN ON LEFT SIGN BRIDGE SUPPORT
- ** — TC SIGN ON RIGHT SIGN BRIDGE SUPPORT
- *** — TC SIGN ON LIGHT POLE

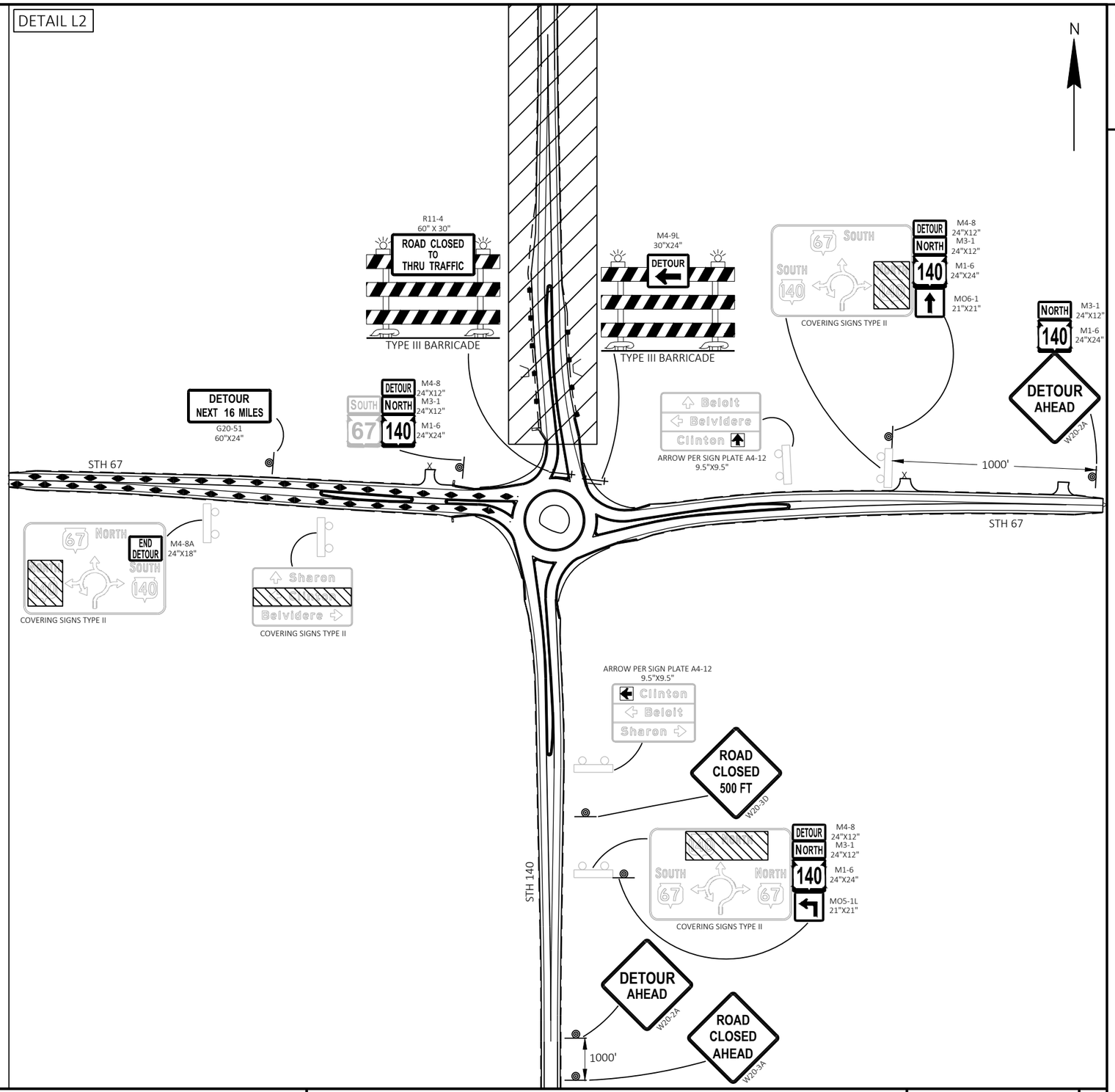
NOTES

COORDINATE DETOUR SIGNING WITH PROJECT 3320-02-71 TO ENSURE CONSISTENCY IN DETOUR MESSAGING.

ALL SIGNS 48"X48" UNLESS NOTED.

NOT ALL EXISTING SIGN LOCATIONS ARE SHOWN.

DETAIL L2



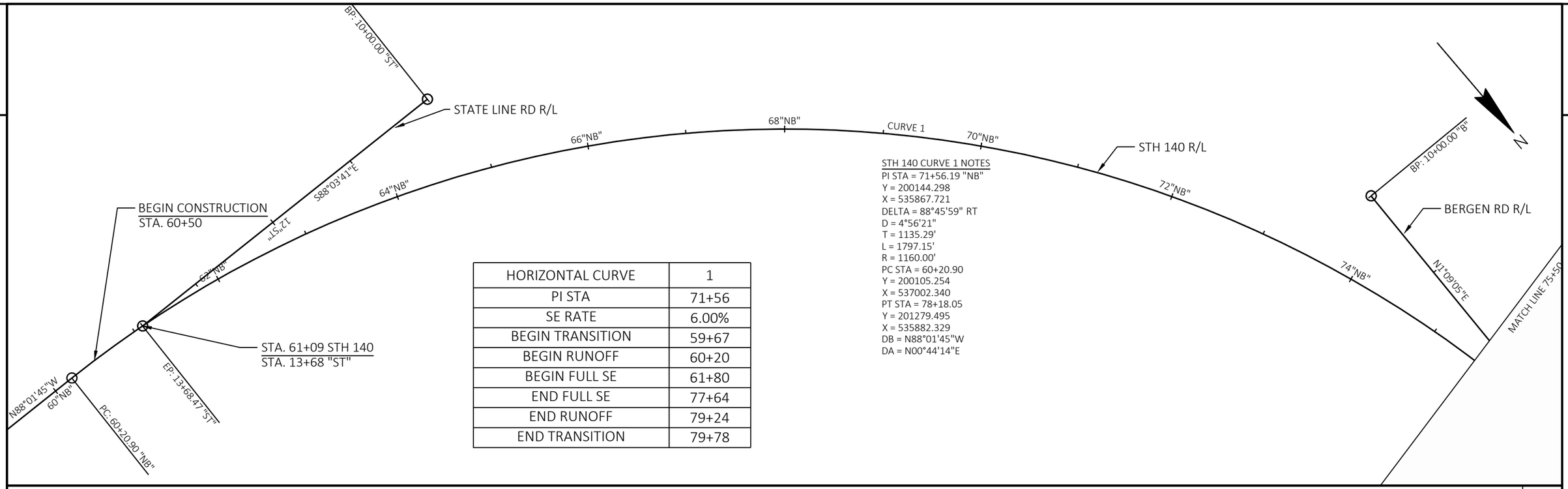
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	DETOUR PLAN - STAGE 2	SHEET 116	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027001-DT-140A.DWG
LAYOUT NAME - Detail L Stage 2

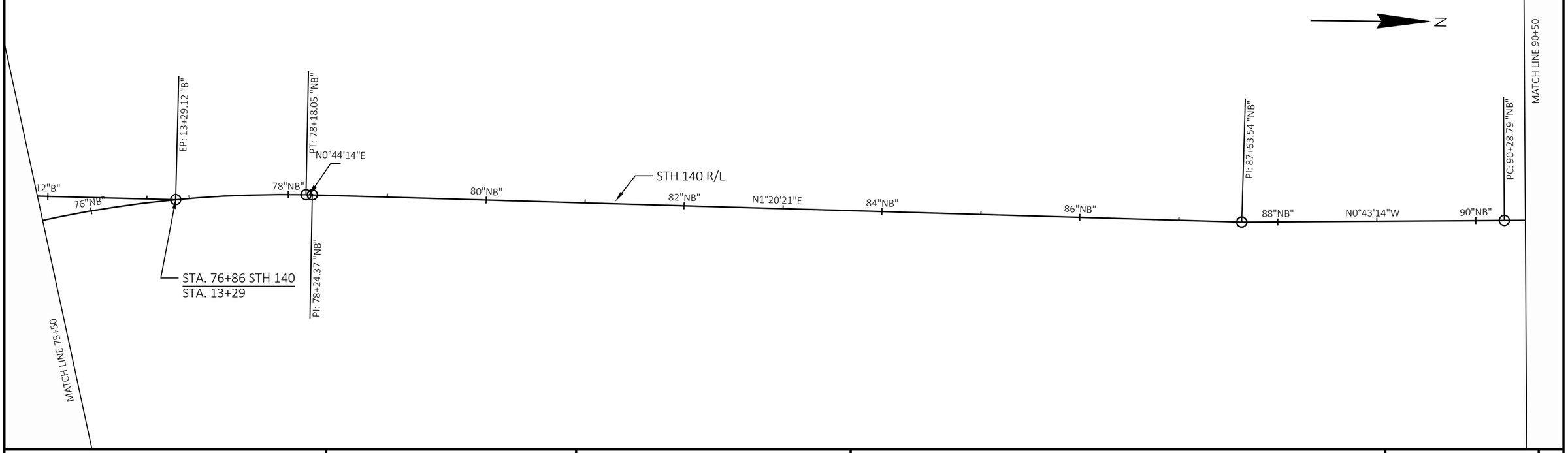
PLOT DATE : 11/18/2024 5:30 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

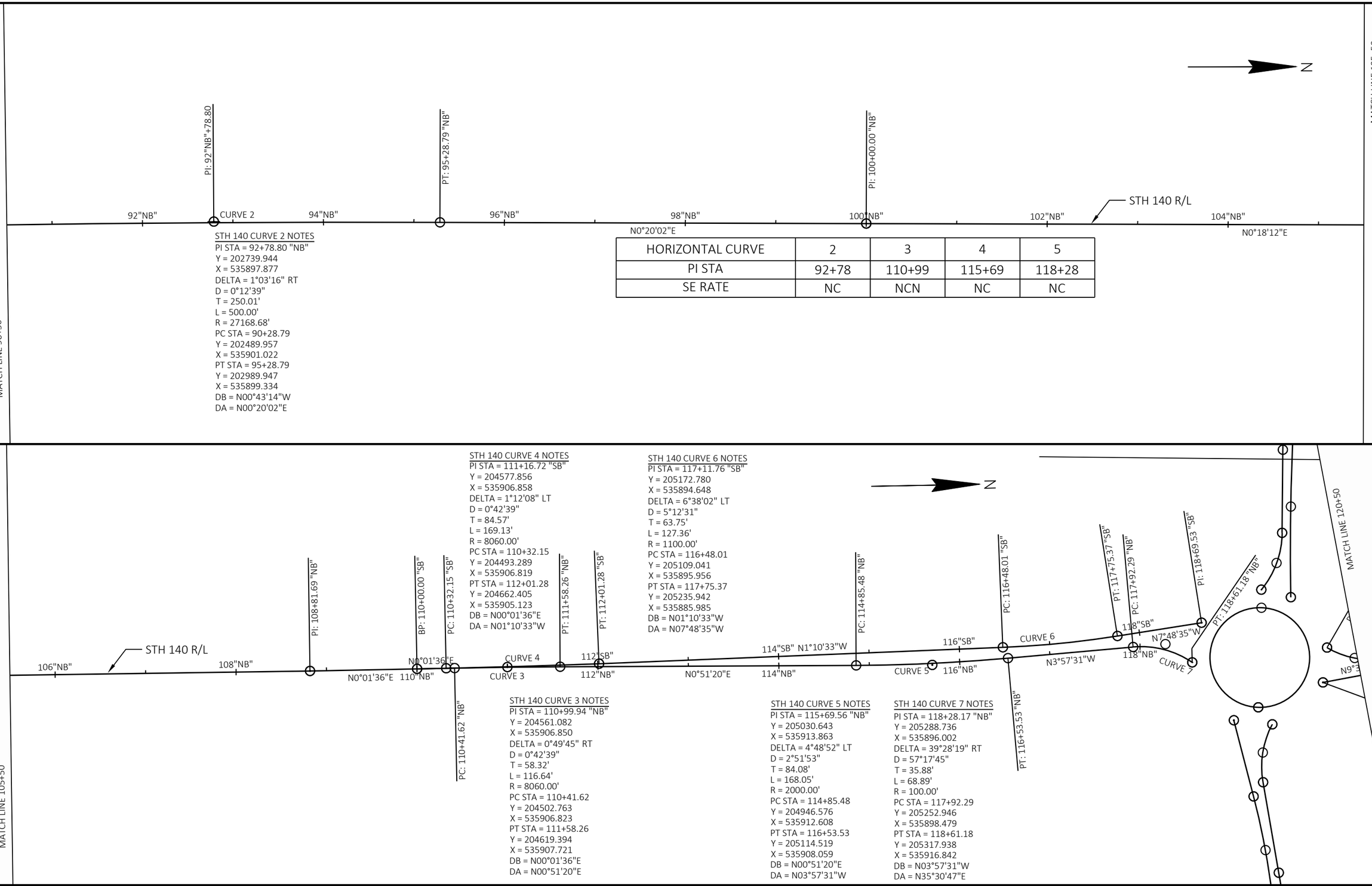


HORIZONTAL CURVE	1
PI STA	71+56
SE RATE	6.00%
BEGIN TRANSITION	59+67
BEGIN RUNOFF	60+20
BEGIN FULL SE	61+80
END FULL SE	77+64
END RUNOFF	79+24
END TRANSITION	79+78



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	ALIGNMENT DETAILS	SHEET 117	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 01
PLOT DATE : 11/18/2024 5:31 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



STH 140 CURVE 2 NOTES
PI STA = 92+78.80 "NB"
Y = 202739.944
X = 535897.877
DELTA = 1°03'16" RT
D = 0°12'39"
T = 250.01'
L = 500.00'
R = 27168.68'
PC STA = 90+28.79
Y = 202489.957
X = 535901.022
PT STA = 95+28.79
Y = 202989.947
X = 535899.334
DB = N00°43'14"W
DA = N00°20'02"E

HORIZONTAL CURVE	2	3	4	5
PI STA	92+78	110+99	115+69	118+28
SE RATE	NC	NCN	NC	NC

STH 140 CURVE 4 NOTES
PI STA = 111+16.72 "SB"
Y = 204577.856
X = 535906.858
DELTA = 1°12'08" LT
D = 0°42'39"
T = 84.57'
L = 169.13'
R = 8060.00'
PC STA = 110+32.15
Y = 204493.289
X = 535906.819
PT STA = 112+01.28
Y = 204662.405
X = 535905.123
DB = N00°01'36"E
DA = N01°10'33"W

STH 140 CURVE 6 NOTES
PI STA = 117+11.76 "SB"
Y = 205172.780
X = 535894.648
DELTA = 6°38'02" LT
D = 5°12'31"
T = 63.75'
L = 127.36'
R = 1100.00'
PC STA = 116+48.01
Y = 205109.041
X = 535895.956
PT STA = 117+75.37
Y = 205235.942
X = 535885.985
DB = N01°10'33"W
DA = N07°48'35"W

STH 140 CURVE 3 NOTES
PI STA = 110+99.94 "NB"
Y = 204561.082
X = 535906.850
DELTA = 0°49'45" RT
D = 0°42'39"
T = 58.32'
L = 116.64'
R = 8060.00'
PC STA = 110+41.62
Y = 204502.763
X = 535906.823
PT STA = 111+58.26
Y = 204619.394
X = 535907.721
DB = N00°01'36"E
DA = N00°51'20"E

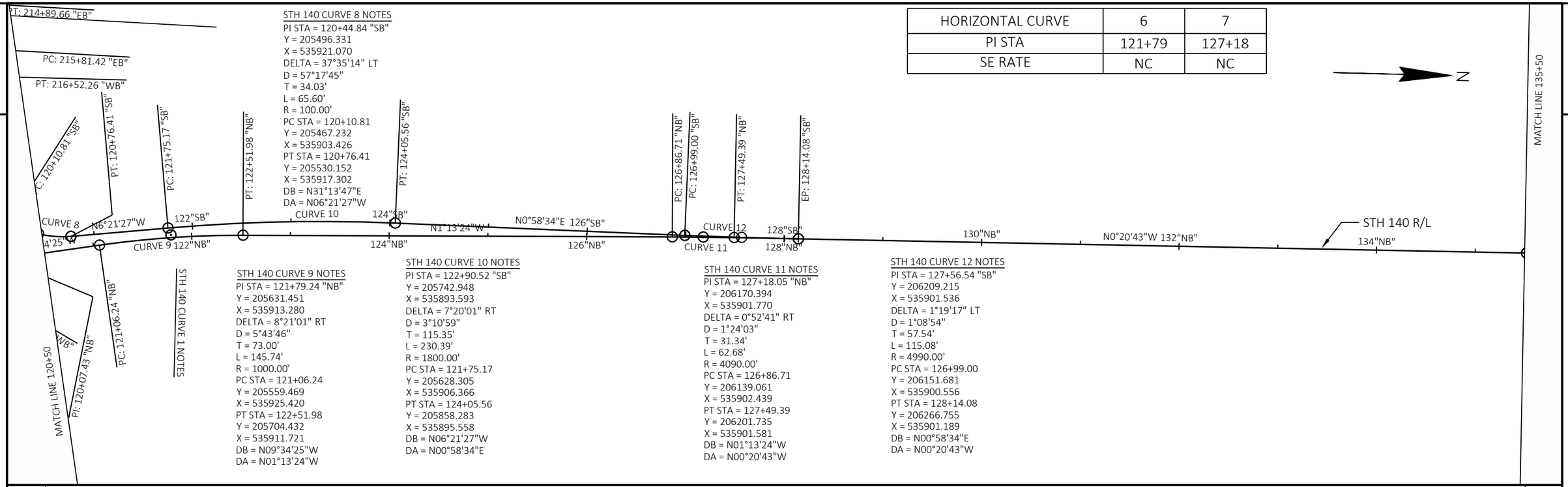
STH 140 CURVE 5 NOTES
PI STA = 115+69.56 "NB"
Y = 205030.643
X = 535913.863
DELTA = 4°48'52" LT
D = 2°51'53"
T = 84.08'
L = 168.05'
R = 2000.00'
PC STA = 114+85.48
Y = 204946.576
X = 535912.608
PT STA = 116+53.53
Y = 205114.519
X = 535908.059
DB = N00°51'20"E
DA = N03°57'31"W

STH 140 CURVE 7 NOTES
PI STA = 118+28.17 "NB"
Y = 205288.736
X = 535896.002
DELTA = 39°28'19" RT
D = 57°17'45"
T = 35.88'
L = 68.89'
R = 100.00'
PC STA = 117+92.29
Y = 205252.946
X = 535898.479
PT STA = 118+61.18
Y = 205317.938
X = 535916.842
DB = N03°57'31"W
DA = N35°30'47"E

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	ALIGNMENT DETAILS	SHEET 118	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 02
PLOT DATE : 11/18/2024 5:31 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

HORIZONTAL CURVE	6	7
PI STA	121+79	127+18
SE RATE	NC	NC



STH 140 CURVE 8 NOTES
PI STA = 120+44.84 "SB"
Y = 205496.331
X = 535921.070
DELTA = 37°35'14" LT
D = 57°17'45"
T = 34.03'
L = 65.60'
R = 100.00'
PC STA = 120+10.81
Y = 205467.232
X = 535903.426
PT STA = 120+76.41
Y = 205530.152
X = 535917.302
DB = N31°13'47"E
DA = N06°21'27"W

STH 140 CURVE 9 NOTES
PI STA = 121+79.24 "NB"
Y = 205631.451
X = 535913.280
DELTA = 8°21'01" RT
D = 5°43'46"
T = 73.00'
L = 145.74'
R = 1000.00'
PC STA = 121+06.24
Y = 205559.469
X = 535925.420
PT STA = 122+51.98
Y = 205704.432
X = 535911.721
DB = N09°34'25"W
DA = N01°13'24"W

STH 140 CURVE 10 NOTES
PI STA = 122+90.52 "SB"
Y = 205742.948
X = 535893.593
DELTA = 7°20'01" RT
D = 3°10'59"
T = 115.35'
L = 230.39'
R = 1800.00'
PC STA = 121+75.17
Y = 205628.305
X = 535906.366
PT STA = 124+05.56
Y = 205858.283
X = 535895.558
DB = N06°21'27"W
DA = N00°58'34"E

STH 140 CURVE 11 NOTES
PI STA = 127+18.05 "NB"
Y = 206170.394
X = 535901.770
DELTA = 0°52'41" RT
D = 1°24'03"
T = 31.34'
L = 62.68'
R = 4090.00'
PC STA = 126+86.71
Y = 206139.061
X = 535902.439
PT STA = 127+49.39
Y = 206201.735
X = 535901.581
DB = N01°13'24"W
DA = N00°20'43"W

STH 140 CURVE 12 NOTES
PI STA = 127+56.54 "SB"
Y = 206209.215
X = 535901.536
DELTA = 1°19'17" LT
D = 1°08'54"
T = 57.54'
L = 115.08'
R = 4990.00'
PC STA = 126+99.00
Y = 206151.681
X = 535900.556
PT STA = 128+14.08
Y = 206266.755
X = 535901.189
DB = N00°58'34"E
DA = N00°20'43"W

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	ALIGNMENT DETAILS	SHEET 119	E

2

MATCH LINE 150+50

MATCH LINE 165+50

2

N

STH 140 R/L

152"NB" 154"NB" 156"NB" 158"NB" 160"NB" N0°47'19"W 162"NB" 164"NB"

MATCH LINE 165+50

MATCH LINE 180+50

N

PI: 173+76.80 "NB"

PC: 180+08.78 "NB"

STH 140 R/L

166"NB" 168"NB" 170"NB" 172"NB" 174"NB" 176"NB" N0°47'08"W 178"NB" 180"NB"

BP: 30+00.00 "T"

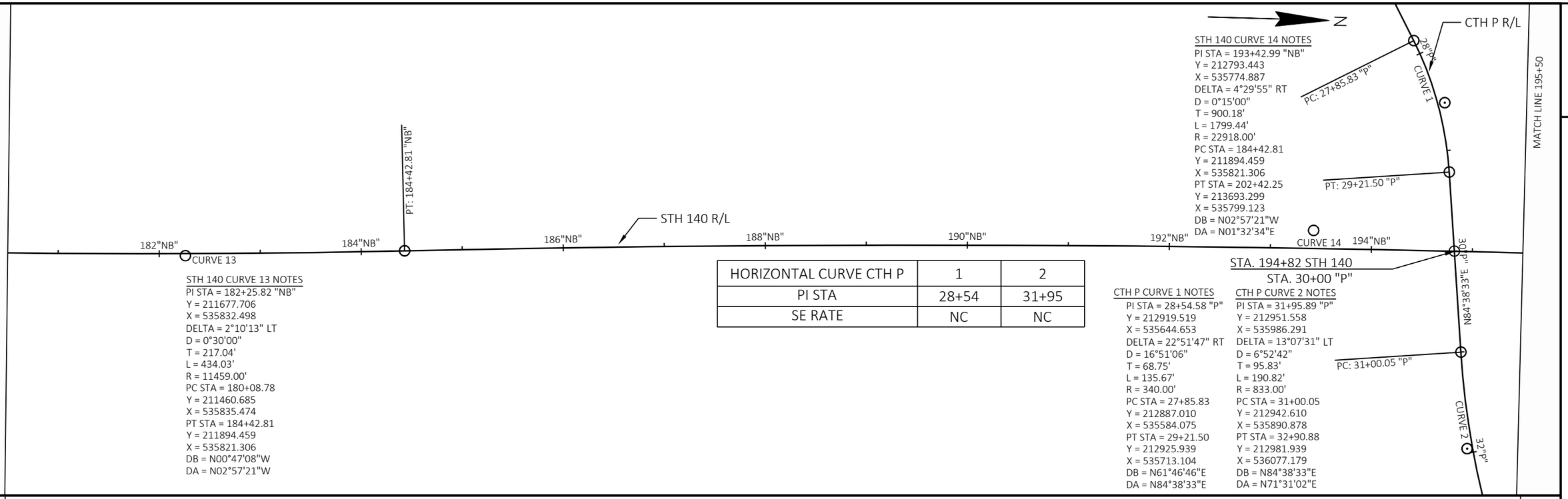
STA. 172+92 STH 140
STA. 30+00 "T"

TIGHE RD R/L

S88°15'19"E

32.77'

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	ALIGNMENT DETAILS	SHEET 120	E



STH 140 CURVE 13 NOTES
PI STA = 182+25.82 "NB"
Y = 211677.706
X = 535832.498
DELTA = 2°10'13" LT
D = 0°30'00"
T = 217.04'
L = 434.03'
R = 11459.00'
PC STA = 180+08.78
Y = 211460.685
X = 535835.474
PT STA = 184+42.81
Y = 211894.459
X = 535821.306
DB = N00°47'08"W
DA = N02°57'21"W

HORIZONTAL CURVE CTH P	1	2
PI STA	28+54	31+95
SE RATE	NC	NC

STH 140 CURVE 14 NOTES
PI STA = 193+42.99 "NB"
Y = 212793.443
X = 535774.887
DELTA = 4°29'55" RT
D = 0°15'00"
T = 900.18'
L = 1799.44'
R = 22918.00'
PC STA = 184+42.81
Y = 211894.459
X = 535821.306
PT STA = 202+42.25
Y = 213693.299
X = 535799.123
DB = N02°57'21"W
DA = N01°32'34"E

CTH P CURVE 1 NOTES
PI STA = 28+54.58 "P"
Y = 212919.519
X = 535644.653
DELTA = 22°51'47" RT
D = 16°51'06"
T = 68.75'
L = 135.67'
R = 340.00'
PC STA = 27+85.83
Y = 212887.010
X = 535584.075
PT STA = 29+21.50
Y = 212925.939
X = 535713.104
DB = N61°46'46"E
DA = N84°38'33"E

CTH P CURVE 2 NOTES
PI STA = 31+95.89 "P"
Y = 212951.558
X = 535986.291
DELTA = 13°07'31" LT
D = 6°52'42"
T = 95.83'
L = 190.82'
R = 833.00'
PC STA = 31+00.05
Y = 212942.610
X = 535890.878
PT STA = 32+90.88
Y = 212981.939
X = 536077.179
DB = N84°38'33"E
DA = N71°31'02"E

HORIZONTAL CURVE STH 140	8	9	10
PI STA	182+25	193+42	204+25
SE RATE	NC	NC	NC

STH 140 CURVE 15 NOTES
PI STA = 204+25.87 "NB"
Y = 213876.854
X = 535804.067
DELTA = 1°50'10" LT
D = 0°30'00"
T = 183.62'
L = 367.21'
R = 11459.00'
PC STA = 202+42.25
Y = 213693.299
X = 535799.123
PT STA = 206+09.46
Y = 214060.472
X = 535803.127
DB = N01°32'34"E
DA = N00°17'36"W

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	ALIGNMENT DETAILS	SHEET 121	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 05
PLOT DATE : 11/18/2024 5:31 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

MATCH LINE 210+50

N

LAKESHORE RD R/L

28"LS"

PI: 223+52.48 "NB"

MATCH LINE 225+50

2

STH 140 R/L

212"NB" 214"NB" 216"NB" N0°10'55"W 218"NB" 220"NB" 222"NB" 224"NB"

30"LS"

N70°32'28"E

STA. 224+50 STH 140
STA. 30+00 "LS"

32"LS"

MATCH LINE 225+50

N

MATCH LINE 240+50

PI: 229+97.76 "NB"

STH 140 R/L

226"NB" N0°08'17"W 228"NB" 230"NB" 232"NB" 234"NB" 236"NB" 238"NB" 240"NB"

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	ALIGNMENT DETAILS	SHEET 122	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 06

PLOT DATE : 11/18/2024 5:31 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MATCH LINE 240+50

MATCH LINE 255+50

2

N

242"NB" 244"NB" N0°11'50"W 246"NB" STH 140 R/L 248"NB" 250"NB" 252"NB" 254"NB"

MATCH LINE 255+50

MATCH LINE 270+50

N

PI: 261+83.24 "NB"

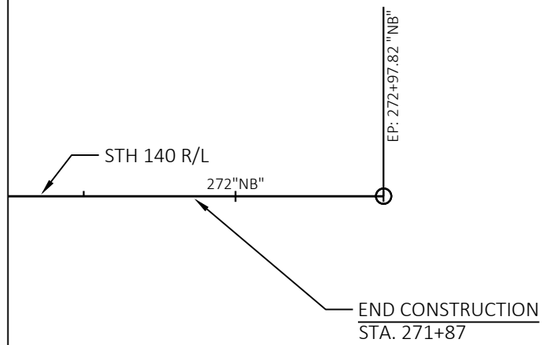
256"NB" 258"NB" 260"NB" 262"NB" STH 140 R/L 264"NB" 266"NB" N0°06'15"W 268"NB" 270"NB"

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	ALIGNMENT DETAILS	SHEET 123	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 07
PLOT DATE : 11/18/2024 5:31 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

N

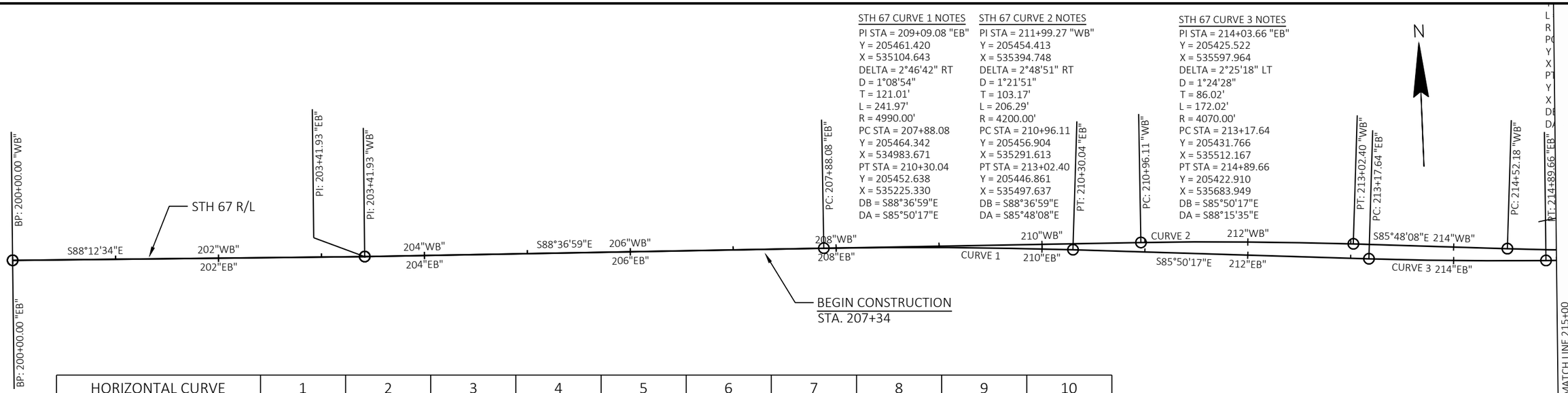


MATCH LINE 270+50

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	ALIGNMENT DETAILS	SHEET 124	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 08

PLOT DATE : 11/18/2024 5:31 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

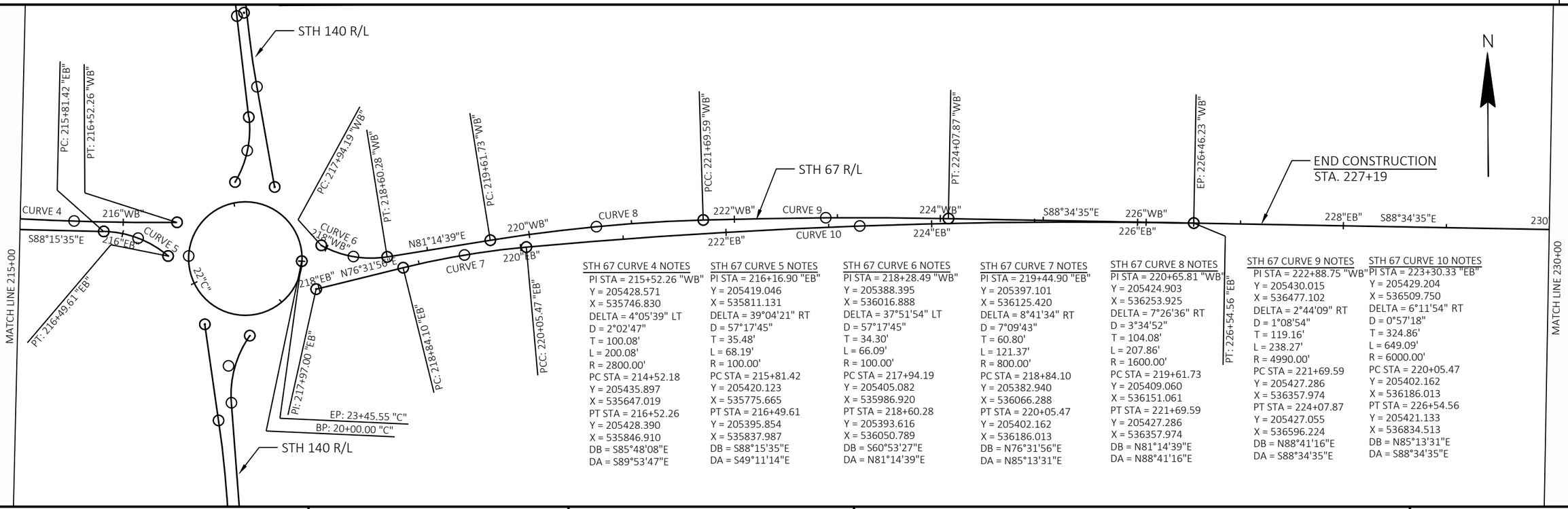


STH 67 CURVE 1 NOTES
PI STA = 209+09.08 "EB"
Y = 205461.420
X = 535104.643
DELTA = 2°46'42" RT
D = 1°08'54"
T = 121.01'
L = 241.97'
R = 4990.00'
PC STA = 207+88.08
Y = 205464.342
X = 534983.671
PT STA = 210+30.04
Y = 205452.638
X = 535225.330
DB = S88°36'59"E
DA = S85°50'17"E

STH 67 CURVE 2 NOTES
PI STA = 211+99.27 "WB"
Y = 205454.413
X = 535394.748
DELTA = 2°48'51" RT
D = 1°21'51"
T = 103.17'
L = 206.29'
R = 4200.00'
PC STA = 210+96.11
Y = 205456.904
X = 535291.613
PT STA = 213+02.40
Y = 205446.861
X = 535497.637
DB = S88°36'59"E
DA = S85°48'08"E

STH 67 CURVE 3 NOTES
PI STA = 214+03.66 "EB"
Y = 205425.522
X = 535597.964
DELTA = 2°25'18" LT
D = 1°24'28"
T = 86.02'
L = 172.02'
R = 4070.00'
PC STA = 213+17.64
Y = 205431.766
X = 535512.167
PT STA = 214+89.66
Y = 205422.910
X = 535683.949
DB = S85°50'17"E
DA = S88°15'35"E

HORIZONTAL CURVE	1	2	3	4	5	6	7	8	9	10
PI STA	209+09	211.99	214+03	215+52	216+16	218+28	219+44	220+65	222+88	223+30
SE RATE	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC



STH 67 CURVE 4 NOTES
PI STA = 215+52.26 "WB"
Y = 205428.571
X = 535746.830
DELTA = 4°05'39" LT
D = 2°02'47"
T = 100.08'
L = 200.08'
R = 2800.00'
PC STA = 214+52.18
Y = 205435.897
X = 535647.019
PT STA = 216+52.26
Y = 205428.390
X = 535846.910
DB = S85°48'08"E
DA = S89°53'47"E

STH 67 CURVE 5 NOTES
PI STA = 216+16.90 "EB"
Y = 205419.046
X = 535811.131
DELTA = 39°04'21" RT
D = 57°17'45"
T = 35.48'
L = 68.19'
R = 100.00'
PC STA = 215+81.42
Y = 205420.123
X = 535775.665
PT STA = 216+49.61
Y = 205395.854
X = 535837.987
DB = S88°15'35"E
DA = S49°11'14"E

STH 67 CURVE 6 NOTES
PI STA = 218+28.49 "WB"
Y = 205388.395
X = 536016.888
DELTA = 37°51'54" LT
D = 57°17'45"
T = 34.30'
L = 66.09'
R = 100.00'
PC STA = 217+94.19
Y = 205405.082
X = 535986.920
PT STA = 218+60.28
Y = 205393.616
X = 536050.789
DB = S60°53'27"E
DA = N81°14'39"E

STH 67 CURVE 7 NOTES
PI STA = 219+44.90 "EB"
Y = 205397.101
X = 536125.420
DELTA = 8°41'34" RT
D = 7°09'43"
T = 60.80'
L = 121.37'
R = 800.00'
PC STA = 218+84.10
Y = 205382.940
X = 536066.288
PT STA = 220+05.47
Y = 205402.162
X = 536186.013
DB = N76°31'56"E
DA = N85°13'31"E

STH 67 CURVE 8 NOTES
PI STA = 220+65.81 "WB"
Y = 205424.903
X = 536253.925
DELTA = 7°26'36" RT
D = 3°34'52"
T = 104.08'
L = 207.86'
R = 1600.00'
PC STA = 219+61.73
Y = 205409.060
X = 536151.061
PT STA = 221+69.59
Y = 205427.286
X = 536357.974
DB = N81°14'39"E
DA = N88°41'16"E

STH 67 CURVE 9 NOTES
PI STA = 222+88.75 "WB"
Y = 205430.015
X = 536477.102
DELTA = 2°44'09" RT
D = 1°08'54"
T = 119.16'
L = 238.27'
R = 4990.00'
PC STA = 221+69.59
Y = 205427.286
X = 536357.974
PT STA = 224+07.87
Y = 205427.055
X = 536596.224
DB = N88°41'16"E
DA = S88°34'35"E

STH 67 CURVE 10 NOTES
PI STA = 223+30.33 "EB"
Y = 205429.204
X = 536509.750
DELTA = 6°11'54" RT
D = 0°57'18"
T = 324.86'
L = 649.09'
R = 6000.00'
PC STA = 220+05.47
Y = 205402.162
X = 536186.013
PT STA = 226+54.56
Y = 205421.133
X = 536834.513
DB = N85°13'31"E
DA = S88°34'35"E

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	ALIGNMENT DETAILS	SHEET 125	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 09
PLOT DATE : 11/18/2024 5:31 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

Estimate Of Quantities

3320-02-70

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	100.000	100.000
0004	201.0205	Grubbing	STA	100.000	100.000
0006	203.0100	Removing Small Pipe Culverts	EACH	25.000	25.000
0008	203.0211.S	Abatement of Asbestos Containing Material (structure) 01. C-53-2024	EACH	1.000	1.000
0010	203.0211.S	Abatement of Asbestos Containing Material (structure) 02. C-53-3016	EACH	1.000	1.000
0012	203.0216.S	Abatement of Asbestos Containing Material (project) 01. 3320-02-70	EACH	1.000	1.000
0014	203.0250	Removing Structure Over Waterway Remove Debris (structure) 01. C-53-2024	EACH	1.000	1.000
0016	203.0250	Removing Structure Over Waterway Remove Debris (structure) 02. C-53-3016	EACH	1.000	1.000
0018	204.0100	Removing Concrete Pavement	SY	29,980.000	29,980.000
0020	204.0115	Removing Asphaltic Surface Butt Joints	SY	33.000	33.000
0022	204.0120	Removing Asphaltic Surface Milling	SY	341.000	341.000
0024	204.0165	Removing Guardrail	LF	477.000	477.000
0026	204.0170	Removing Fence	LF	2,540.000	2,540.000
0028	204.0180	Removing Delineators and Markers	EACH	50.000	50.000
0030	204.0195	Removing Concrete Bases	EACH	6.000	6.000
0032	204.0205	Removing Utility Poles	EACH	2.000	2.000
0034	204.0231	Removing Building (station) 01. 187+68	EACH	1.000	1.000
0036	204.0265	Abandoning Wells	EACH	1.000	1.000
0038	205.0100	Excavation Common	CY	138,128.000	138,128.000
0040	206.2001	Excavation for Structures Culverts (structure) 01. C-53-2037	EACH	1.000	1.000
0042	206.2001	Excavation for Structures Culverts (structure) 02. C-53-3031	EACH	1.000	1.000
0044	209.0300.S	Backfill Coarse Aggregate (size) 01. No. 2	CY	248.000	248.000
0046	210.2500	Backfill Structure Type B	TON	2,913.000	2,913.000
0048	211.0500	Prepare Foundation for Base Aggregate	STA	251.000	251.000
0050	213.0100	Finishing Roadway (project) 01. 3320-02-70	EACH	1.000	1.000
0052	305.0110	Base Aggregate Dense 3/4-Inch	TON	4,121.000	4,121.000
0054	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	87,024.000	87,024.000
0056	311.0115	Breaker Run	CY	295.000	295.000
0058	312.0110	Select Crushed Material	TON	98,758.000	98,758.000
0060	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	68.000	68.000
0062	405.0100	Coloring Concrete WisDOT Red	CY	395.000	395.000
0064	415.2010	Concrete Truck Apron 12-inch	SY	1,184.000	1,184.000
0066	455.0605	Tack Coat	GAL	11,681.000	11,681.000
0068	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0070	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000
0072	460.2005	Incentive Density PWL HMA Pavement	DOL	17,630.000	17,630.000
0074	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	19,380.000	19,380.000
0076	460.2010	Incentive Air Voids HMA Pavement	DOL	28,900.000	28,900.000
0078	460.6223	HMA Pavement 3 MT 58-28 S	TON	16,550.000	16,550.000
0080	460.6224	HMA Pavement 4 MT 58-28 S	TON	12,581.000	12,581.000
0082	460.6424	HMA Pavement 4 MT 58-28 H	TON	1,034.000	1,034.000
0084	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	56.000	56.000
0086	465.0315	Asphaltic Flumes	SY	120.000	120.000
0088	465.0520	Asphaltic Rumble Strips, Shoulder	LF	29,552.000	29,552.000
0090	465.0560	Asphaltic Rumble Strips, Centerline	LF	16,751.000	16,751.000
0092	504.0100	Concrete Masonry Culverts	CY	311.000	311.000
0094	505.0400	Bar Steel Reinforcement HS Structures	LB	52,973.000	52,973.000
0096	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	6,639.000	6,639.000
0098	512.1000	Piling Steel Sheet Temporary	SF	2,800.000	2,800.000

Line	Item	Item Description	Unit	Total	Qty
0100	516.0500	Rubberized Membrane Waterproofing	SY	56.000	56.000
0102	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	36.000	36.000
0104	520.1021	Apron Endwalls for Culvert Pipe 21-Inch	EACH	8.000	8.000
0106	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	18.000	18.000
0108	520.1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	6.000	6.000
0110	520.1036	Apron Endwalls for Culvert Pipe 36-Inch	EACH	2.000	2.000
0112	520.3318	Culvert Pipe Class III-A 18-Inch	LF	544.000	544.000
0114	520.3321	Culvert Pipe Class III-A 21-Inch	LF	252.000	252.000
0116	520.3324	Culvert Pipe Class III-A 24-Inch	LF	290.000	290.000
0118	520.3330	Culvert Pipe Class III-A 30-Inch	LF	136.000	136.000
0120	520.4118	Culvert Pipe Class IV 18-Inch	LF	34.000	34.000
0122	520.4130	Culvert Pipe Class IV 30-Inch	LF	54.000	54.000
0124	520.4136	Culvert Pipe Class IV 36-Inch	LF	246.000	246.000
0126	521.0336	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 36-Inch 4 to 1	EACH	6.000	6.000
0128	521.0436	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 36-Inch 6 to 1	EACH	10.000	10.000
0130	521.1521	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 21-Inch 6 to 1	EACH	8.000	8.000
0132	521.1530	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 30-Inch 6 to 1	EACH	4.000	4.000
0134	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	86.000	86.000
0136	522.0430	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	136.000	136.000
0138	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	464.000	464.000
0140	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	3.000	3.000
0142	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	4.000	4.000
0144	522.2419	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	152.000	152.000
0146	522.2424	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	94.000	94.000
0148	522.2429	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	72.000	72.000
0150	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	4.000	4.000
0152	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	2.000	2.000
0154	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	2.000	2.000
0156	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,625.000	1,625.000
0158	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	1,589.000	1,589.000
0160	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	1,933.000	1,933.000
0162	601.0582	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type T	LF	333.000	333.000
0164	602.0405	Concrete Sidewalk 4-Inch	SF	10,829.000	10,829.000
0166	606.0100	Riprap Light	CY	63.000	63.000
0168	606.0200	Riprap Medium	CY	160.000	160.000
0170	606.0300	Riprap Heavy	CY	122.000	122.000
0172	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	146.000	146.000
0174	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	171.000	171.000
0176	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	128.000	128.000
0178	611.0624	Inlet Covers Type H	EACH	4.000	4.000
0180	611.0627	Inlet Covers Type HM	EACH	4.000	4.000
0182	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0184	611.1004	Catch Basins 4-FT Diameter	EACH	5.000	5.000
0186	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0188	611.3230	Inlets 2x3-FT	EACH	4.000	4.000
0190	612.0700	Drain Tile Exploration	LF	890.000	890.000
0192	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	3.000	3.000
0194	614.0920	Salvaged Rail	LF	162.500	162.500
0196	614.0925	Salvaged Guardrail End Treatments	EACH	2.000	2.000

3320-02-70

Line	Item	Item Description	Unit	Total	Qty
0198	614.2300	MGS Guardrail 3	LF	762.500	762.500
0200	614.2340	MGS Guardrail 3 L	LF	200.000	200.000
0202	614.2610	MGS Guardrail Terminal EAT	EACH	8.000	8.000
0204	614.2620	MGS Guardrail Terminal Type 2	EACH	2.000	2.000
0206	616.0700.S	Fence Safety	LF	590.000	590.000
0208	618.0100	Maintenance and Repair of Haul Roads (project) 01. 3320-02-70	EACH	1.000	1.000
0210	619.1000	Mobilization	EACH	1.000	1.000
0212	620.0300	Concrete Median Sloped Nose	SF	411.000	411.000
0214	624.0100	Water	MGAL	1,288.000	1,288.000
0216	625.0500	Salvaged Topsoil	SY	174,290.000	174,290.000
0218	627.0200	Mulching	SY	135,889.000	135,889.000
0220	628.1504	Silt Fence	LF	5,715.000	5,715.000
0222	628.1520	Silt Fence Maintenance	LF	6,150.000	6,150.000
0224	628.1905	Mobilizations Erosion Control	EACH	8.000	8.000
0226	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0228	628.2004	Erosion Mat Class I Type B	SY	44,800.000	44,800.000
0230	628.2027	Erosion Mat Class II Type C	SY	2,000.000	2,000.000
0232	628.5505	Polyethylene Sheeting	SY	2,436.000	2,436.000
0234	628.7015	Inlet Protection Type C	EACH	9.000	9.000
0236	628.7504	Temporary Ditch Checks	LF	3,730.000	3,730.000
0238	628.7555	Culvert Pipe Checks	EACH	159.000	159.000
0240	629.0210	Fertilizer Type B	CWT	110.000	110.000
0242	630.0110	Seeding Mixture No. 10	LB	4,699.000	4,699.000
0244	630.0180	Seeding Mixture No. 80	LB	3.000	3.000
0246	630.0500	Seed Water	MGAL	35,185.000	35,185.000
0248	633.5200	Markers Culvert End	EACH	37.000	37.000
0250	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	26.000	26.000
0252	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	59.000	59.000
0254	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	6.000	6.000
0256	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	8.000	8.000
0258	634.0808	Posts Tubular Steel 2x2-Inch X 8-FT	EACH	8.000	8.000
0260	634.0809	Posts Tubular Steel 2x2-Inch X 9.5-FT	EACH	8.000	8.000
0262	637.2210	Signs Type II Reflective H	SF	869.850	869.850
0264	637.2230	Signs Type II Reflective F	SF	133.280	133.280
0266	638.2602	Removing Signs Type II	EACH	84.000	84.000
0268	638.3000	Removing Small Sign Supports	EACH	94.000	94.000
0270	642.5201	Field Office Type C	EACH	1.000	1.000
0272	643.0420	Traffic Control Barricades Type III	DAY	7,951.000	7,951.000
0274	643.0705	Traffic Control Warning Lights Type A	DAY	14,250.000	14,250.000
0276	643.0900	Traffic Control Signs	DAY	132,881.000	132,881.000
0278	643.0920	Traffic Control Covering Signs Type II	EACH	29.000	29.000
0280	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0282	643.5000	Traffic Control	EACH	1.000	1.000
0284	645.0105	Geotextile Type C	SY	628.000	628.000
0286	645.0120	Geotextile Type HR	SY	636.000	636.000
0288	645.0130	Geotextile Type R	SY	273.000	273.000
0290	645.0220	Geogrid Type SR	SY	9,915.000	9,915.000
0292	646.2020	Marking Line Epoxy 6-Inch	LF	18,091.000	18,091.000
0294	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	57,887.000	57,887.000

3320-02-70

Line	Item	Item Description	Unit	Total	Qty
0296	646.4020	Marking Line Epoxy 10-Inch	LF	287.000	287.000
0298	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	400.000	400.000
0300	646.5020	Marking Arrow Epoxy	EACH	4.000	4.000
0302	646.5120	Marking Word Epoxy	EACH	2.000	2.000
0304	646.6120	Marking Stop Line Epoxy 18-Inch	LF	60.000	60.000
0306	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	95.000	95.000
0308	646.7120	Marking Diagonal Epoxy 12-Inch	LF	563.000	563.000
0310	646.8120	Marking Curb Epoxy	LF	353.000	353.000
0312	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0314	648.0100	Locating No-Passing Zones	MI	4.090	4.090
0316	650.4000	Construction Staking Storm Sewer	EACH	13.000	13.000
0318	650.4500	Construction Staking Subgrade	LF	27,675.000	27,675.000
0320	650.5000	Construction Staking Base	LF	27,675.000	27,675.000
0322	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	5,480.000	5,480.000
0324	650.6000	Construction Staking Pipe Culverts	EACH	59.000	59.000
0326	650.6501	Construction Staking Structure Layout (structure) 01. C-53-2037	EACH	1.000	1.000
0328	650.6501	Construction Staking Structure Layout (structure) 02. C-53-3031	EACH	1.000	1.000
0330	650.8501	Construction Staking Electrical Installations (project) 01. 3320-02-70	EACH	1.000	1.000
0332	650.9911	Construction Staking Supplemental Control (project) 01. 3320-02-70	EACH	1.000	1.000
0334	650.9920	Construction Staking Slope Stakes	LF	28,209.000	28,209.000
0336	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,360.000	1,360.000
0338	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	615.000	615.000
0340	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	9.000	9.000
0342	654.0105	Concrete Bases Type 5	EACH	16.000	16.000
0344	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
0346	655.0610	Electrical Wire Lighting 12 AWG	LF	10,660.000	10,660.000
0348	655.0615	Electrical Wire Lighting 10 AWG	LF	2,555.000	2,555.000
0350	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. Cabinet A	EACH	1.000	1.000
0352	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	16.000	16.000
0354	657.0322	Poles Type 5-Aluminum	EACH	16.000	16.000
0356	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	16.000	16.000
0358	659.1115	Luminaires Utility LED A	EACH	16.000	16.000
0360	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000
0362	690.0150	Sawing Asphalt	LF	327.000	327.000
0364	715.0502	Incentive Strength Concrete Structures	DOL	1,872.000	1,872.000
0366	740.0440	Incentive IRI Ride	DOL	14,638.636	14,638.636
0368	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,500.000	2,500.000
0370	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,500.000	1,500.000
0372	SPV.0060	Special 01. Sand Bags	EACH	189.000	189.000
0374	SPV.0060	Special 02. Verfiy Landmark Reference Monuments	EACH	3.000	3.000
0376	SPV.0060	Special 03. Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 30-Inch 6 to 1	EACH	4.000	4.000
0378	SPV.0090	Special 01. Pipe Underdrain (6-Inch) with Geotextile Fabric and Aggregate	LF	1,390.000	1,390.000
0380	SPV.0195	Special 01. Excavating, Hauling, and Disposal of Lead Contaminated Soil	TON	2,322.000	2,322.000
0382	SPV.0195	Special 02. Traffic Control Base Course	TON	10,000.000	10,000.000

CLEARING AND GRUBBING

CATEGORY	STATION		STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	REMARKS
0010	65+36	-	70+86	RT	6	6	
0010	74+53	-	78+61	RT	4	4	
0010	92+89	-	93+82	RT	1	1	
0010	94+85	-	100+69	RT	6	6	
0010	128+14	-	140+78	RT	13	13	
0010	142+27	-	144+74	RT	2	2	
0010	147+71	-	148+92	RT	1	1	
0010	149+61	-	153+99	RT	4	4	
0010	156+37	-	160+32	RT	4	4	
0010	185+66	-	188+13	RT	2	2	
0010	195+30	-	203+30	RT	8	8	
0010	74+15	-	81+80	LT	8	8	
0010	89+25	-	97+25	LT	8	8	
0010	128+32	-	129+46	LT	1	1	
0010	132+12	-	134+82	LT	3	3	
0010	142+04	-	142+57	LT	1	1	
0010	233+72	-	235+58	LT	2	2	
0010	238+87	-	239+87	LT	1	1	
0010	0+00	-	2+53	LT & RT	3	3	C-53-2024 TEMP CHANNEL
0010	0+00	-	2+82	LT & RT	3	3	C-53-3016 TEMP CHANNEL
0010	30+70	-	32+91	'P' LT	2	2	
CATEGORY 0010 SUBTOTAL					83	83	
0020	221+50	-	224+50	'EB' LT	3	3	
0020	207+97	-	212+80	'EB' LT	5	5	
0020	207+35	-	207+99	'EB' RT	1	1	
0020	127+07	-	128+07	LT	1	1	
0020	122+94	-	124+74	LT	2	2	
0020	122+20	-	128+14	RT	6	6	
CATEGORY 0020 SUBTOTAL					17	17	
TOTAL					**100**	**100**	

REMOVING CULVERT PIPES

CAT	STATION		STATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0180 REMOVING DELINEATORS AND MARKERS EACH	REMARKS
0010	71+45	-	71+45	1	2	
0010	83+32	-	83+32	1	2	
0010	105+21	-	105+20	1	2	
0010	146+48	-	146+50	1	2	
0010	167+79	-	167+81	1	2	
0010	193+90	-	193+88	1	2	
0010	223+86	-	223+87	1	2	
0010	255+62	-	255+63	1	2	
0010	261+58	-	261+58	1	2	
0010	11+08'ST'	-	11+28'ST'	1	2	
0010	66+16	-	65+81	1	2	
0010	69+50	-	69+30	1	2	
0010	74+64	-	74+42	1	2	
0010	80+42	-	80+17	1	2	
0010	84+09	-	83+76	1	2	
0010	91+72	-	91+95	1	2	
0010	92+13	-	92+51	1	2	
0010	93+20	-	93+44	1	2	
0010	108+52	-	108+33	1	2	
0010	147+58	-	147+40	1	2	
0010	194+76	-	194+19	1	2	
0010	194+06	-	193+63	1	2	
0010	266+05	-	265+62	1	2	
0010	266+96	-	268+16	1	2	
0010	269+35	-	269+86	1	2	
CATEGORY 0010 SUBTOTAL				25	50	
TOTAL				**25**	**50**	

REMOVING CONCRETE PAVEMENT

CAT	STATION		STATION	204.0100 PAVEMENT SY	REMARKS
0010	60+50	-	80+50	4000	
0010	123+75	-	145+75	4400	
0010	164+00	-	271+90	21580	
TOTAL				**29,980**	

REMOVING FENCE

CATEGORY	STATION		STATION		204.0170 REMOVING FENCE LF	REMARKS
0010	94+50	-	108+50	RT	1137	
0010	133+93	-	134+26	LT	33	
0010	185+74	-	189+00	LT	314	
0010	187+77	-	193+50	RT	577	
0010	252+76	-	252+76	LT	14	
0010	256+18		258+74	RT	269	
CATEGORY 0010 SUBTOTAL					2344	
0020	207+35 'EB'	-	209+21 'EB'	LT	188	
0020	214+13 'EB'	-	214+13 'EB'	LT	8	
CATEGORY 0020 SUBTOTAL					196	
TOTAL					**2,540**	

REMOVING POLES & CONCRETE BASES

CATEGORY	STATION	OFFSET	204.0195 REMOVING CONCRETE BASES EACH	204.0205 REMOVING UTILITY POLES EACH	REMARKS
0010	189+00	12 LT	1	--	
0010	194+73	17 LT	1	--	
0010	270+19	34 LT	1	--	
CAT 0010 SUBTOTAL			**3**	**--**	
0020	112+51	42 RT	1	--	
0020	216+61'EB'	32 LT	1	1	
0020	217+66'WB'	37 LT	1	1	
CAT 0020 SUBTOTAL			**3**	**2**	
TOTAL			**6**	**2**	

REMOVING BUILDING

CATEGORY	STATION	OFFSET	204.0231 REMOVING BUILDING (STATION) 01. 187+68 LS	203.0216.S ABATEMENT OF ASBESTOS CONTAINING MATERIAL (PROJECT) 01.3320-02-70 EACH	REMARKS
0010	187+68	12 LT	1	1	
TOTAL			**1**	**1**	

REMOVING ASPHALTIC SURFACE MILLING

STATION	HWY	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	Remarks
		CATEGORY 0010			
64+08	STH 140	STATE LINE RD	16	186	
73+98	STH 140	BERGEN RD	18	155	
CATEGORY 0010 SUBTOTAL			33	341	
		TOTAL	**33**	**341**	

PREPARE FOUNDATION

CATEGORY	STA	-	STA	LOCATION	211.0500 PREPARE FOUNDATION FOR BASE AGGREGATE STA	REMARKS
0010	60+50	-	271+90	STH 140	194	REMOVED 0020 STA.
0010	21+00	-	35+00	CTH P	13	
0010	30+00	-	32+00	TIGHE RD	2	
0010	28+00	-	32+00	LAKESHORE RD	4	
CATEGORY 0010 SUBTOTAL					213	
0020	110+50	-	128+14	STH 140	18	
0020	207+34	-	227+19	STH 67	20	
CATEGORY 0020 SUBTOTAL					38	
TOTAL					**251**	

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	CONCRETE PAVEMENT EXCAVATION	REDUCED EBS IN FILL (9) FACTOR 0.80	EXPANDED EBS BACKFILL (11) FACTOR 1.30	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.30	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
CATEGORY 0010															
STH 140	60+50/271+80	STH 140	79,230	1,417	16,798	62,432	13,911	3,100	5,038	24,756	14,099	48,334	48,334	0	
STH 140 CONCRETE PAVEMENT REMOVAL	60+50/271+80	STH 140	13,911	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-13,911	-13,911	0	
TIGHE RD	30+74.611/32+00	TIGHE RD	222	10	77	145	0	25	40	87	113	32	32	0	
CTH P	21+00/36+26.795	CTH P	4,340	82	416	3,924	0	174	283	644	837	3,087	3,087	0	
LAKESHORE RD	28+20/31+99.94	LAKESHORE RD	524	16	161	363	0	50	81	42	55	308	308	0	
C-53-3031 TEMPORARY CHANNEL			1,009	0	0	1,009	0	0		0	0	1,009	1,009	0	
C-53-2037 TEMPORARY CHANNEL			2,002	0	0	2,002	0	0		0	0	2,002	2,002	0	
CATEGORY 0010 SUBTOTAL			101,238	1,525	17,452	69,875	13,911	3,349	5,442	25,529	15,103	40,861	40,861	0	
CATEGORY 0020															
STH 140	110+05/128+14.41	STH 140	23,735	1,739	1,809	21,926	352	139	2,260	2,819	1,530	20,396	20,396	0	
STH 140 CONCRETE PAVEMENT REMOVAL	110+05/128+14.41	STH 140	352	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-352	-352	0	
STH 67	207+35/227+19.007	STH 67	9,368	172	437	8,931	0	14	223	816	1,020	7,911	7,911	0	
CATEGORY 0020 SUBTOTAL			33,455	1,910	2,246	30,857	352	153	2,483	3,635	2,550	27,955	27,955	0	
GRAND TOTAL			134,693	3,435	19,698	100,732	14,263	3,502	7,926	29,164	17,653	68,816	68,816	0	
TOTAL COMMON EXC			138,128												

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(8) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. MARSH IN FILL REDUCTION FACTOR = X.1X

(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = X.2X

(10) EXPANDED MARSH BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. MARSH BACKFILL FACTOR = X.3X. ITEM NUMBER 208.1100

(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. EBS BACKFILL FACTOR = X.4X. ITEM NUMBER 208.1100

(12) EXPANDED ROCK FACTOR = X.5X

(13) EXPANDED FILL FACTOR = X.6X

DEPENDING ON SELECTIONS:

EXPANDED FILL = (UNEXPANDED FILL - REDUCED EBS) * FILL FACTOR

OR EXPANDED FILL = (UNEXPANDED FILL - REDUCED EBS) * FILL FACTOR

OR EXPANDED FILL = (UNEXPANDED FILL) * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

BASE AGGREGATE SUMMARY

CATEGORY	STATION		STATION		LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	371.2000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION EACH	645.0220 GEOGRID TYPE SR SY	SPV.0195.02 TRAFFIC CONTROL BASE COURSE TON	REMARKS
0010	60+50	-	110+50	STH 140	SOUTH PROJECT LIMIT TO RAB	763	16,771	16,889	--	--	2,365	
0010	128+14	-	194+82	STH 140	RAB TO CTH P	911	21,568	22,523	--	--	3,154	
0010	194+82	-	271+90	STH 140	CTH P TO NORTH LIMIT	1,053	24,932	26,036	--	--	3,646	
0010	21+00	-	30+00	CTH P	WEST LIMIT CTH P TO STH 140	251	2,378	2,364	--	--	--	
0010	30+00	-	35+00	CTH P	STH 140 TO EAST LIMIT CTH P	140	1,321	1,314	--	--	--	
0010	28+00		32+00		Lakeshore	112	1,057	1,051	--	--	--	
0010	30+00		32+00		Tighe	56	528	525	--	--	--	
0010	10+59		13+68		State Line Rd	--	--	--	--	--	--	
0010	EBS				STH 140	--	--	2,897	--	7,954	--	
0010	UNDISTRIBUTED					363	--	3,452	56	--	--	
CATEGORY 0010 SUBTOTAL						3,649	68,555	77,051	56	7,954	9,166	
0020	110+50	-	118+61	STH 140	SOUTH END OF RAB	111	4,049	4,109	--	--	417	
0020	120+07	-	128+14	STH 140	NORTH END OF RAB	110	3,723	3,656	--	--	417	
0020	207+35	-	216+49	STH 67	WEST END OF RAB	125	4,135	4,133	--	--	--	
0020	217+96	-	227+19	STH 67	EAST END OF RAB	126	3,761	4,102	--	--	--	
0020	118+61	-	120+07	RAB	AT RAB	0	1,220	1,427	--	--	--	
0020	EBS				RAB	--	--	3,630	--	1,961	--	
0020	UNDISTRIBUTED					--	1,580	649	12	--	--	
CATEGORY 0020 SUBTOTAL						472	18,469	21,707	12	1,961	834	
TOTAL						**4,121**	**87,024**	**98,758**	**68**	**9,915**	**10,000**	

CONCRETE SIDEWALK

STATION		STATION	602.0405 CONCRETE SIDEWALK 4-INCH SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	REMARKS
CATEGORY 0020				**TYPE 1**	**TYPE 2**	
110+50	-	118+61	3227	37	48	
120+07	-	128+00	2634	38	46	
207+34	-	216+49	1994	112	45	
217+96	-	227+19	2974	38	48	
TOTAL			**10,829**	**411**		

ASPHALT PAVEMENT SUMMARY

CATEGORY	STATION	STATION	HWY	LOCATION	AREA	LOWER LAYER DEPTH	UPPER LAYER DEPTH	455.0605 TACK COAT	ELIGIBLE TONNAGE 460.2005 INCENTIVE DENSITY PWL HMA PAVEMENT	ELIGIBLE TONNAGE 460.2010 INCENTIVE AIR VOIDS HMA PAVEMENT	460.2007 DENSITY HMA PAVEMENT LONGITUDINAL JOINTS	460.6223 HMA PAVEMENT 3 MT 58-28 S	460.6224 HMA PAVEMENT 4 MT 58-28 S	460.6424 HMA PAVEMENT 4 MT 58-28 H	465.0120 SURFACE DRIVEWAYS AND FIELD ENTRANCES	465.0315 ASPHALTIC FLUMES	465.0520 ASPHALTIC RUMBLE STRIPS, SHOULDER	465.0560 ASPHALTIC RUMBLE STRIPS, CENTERLINE	REMARKS
					SY	IN	IN	GAL	DOL	DOL	DOL	TON	TON	TON	TON	SY	LF	LF	
0010	60+50	- 110+50	STH 140	SOUTH PROJECT LIMIT TO RAB	19605	3.00	2.50	2,353	4,110	6,040	5,000	3,294	2,745	--	8	6	7235	4175	
0010	128+14	- 194+82	STH 140	RAB TO CTH P	25607	3.00	2.50	3,073	5,480	7,890	6,670	4,302	3,585	--	8	18	9120	5668	
0010	194+82	- 271+90	STH 140	CTH P TO NORTH LIMIT	29551	3.00	2.50	3,546	6,340	9,110	7,710	4,965	4,137	--	20	12	10834	6908	
0010	21+00	- 29+73	CTH P	WEST LIMIT CTH P TO STH 140	2243	3.00	2.50	269	--	700	--	377	314	--	--	12	--	--	
0010	30+27	- 35+00	CTH P	STH 140 TO EAST LIMIT CTH P	1361	3.00	2.50	163	--	420	--	229	191	--	--	12	--	--	
0010	SIDEROADS			BERGEN RD, STATELINE RD	340	2.25	1.75	41	--	50	--	43	33	--	--	36	--	--	
0010	SIDEROADS			LAKESHORE RD, TIGHE RD	1,962	3.00	2.50	235	--	330	--	330	275	--	--	--	--	--	
CATEGORY 0010 SUBTOTAL					78,706			9,680	15,930	24,540	19,380	13,540	11,280	--	36	96	27,189	16,751	
0020	110+50	- 115+12	STH 140	SOUTH END OF RAB	2,279	3.00	2.50	273	380	710	--	383	319	--	--	--	1,237	--	
0020	115+12	- 118+61	STH 140	SOUTH END OF RAB	1,447	3.50	2.50	174	--	290	--	284	--	203	--	--	--	--	
0020	120+07	- 123+60	STH 140	NORTH END OF RAB	1,759	3.50	2.50	211	--	350	--	345	--	246	10	12	1,126	--	
0020	123+60	- 128+14	STH 140	NORTH END OF RAB	2,071	3.00	2.50	249	380	640	--	348	290	--	--	--	--	--	
0020	207+34	- 213+00	STH 67	WEST END OF RAB	2,516	3.00	2.50	302	470	780	--	423	352	--	10	--	--	--	
0020	213+00	- 216+50	STH 67	WEST END OF RAB	1,552	3.50	2.50	186	--	310	--	304	--	217	--	12	--	--	
0020	217+97	- 221+54	STH 67	EAST END OF RAB	1,436	3.50	2.50	172	--	290	--	281	--	201	--	--	--	--	
0020	221+54	- 227+19	STH 67	EAST END OF RAB	2,427	3.00	2.50	291	470	750	--	408	340	--	--	--	--	--	
0020	118+61	- 120+07	RAB	AT RAB	1,191	3.50	2.50	143	--	240	--	234	--	167	--	--	--	--	
CATEGORY 0020 SUBTOTAL					16,678			2,001	1,700	4,360	--	3,010	1,301	1,034	20	24	2,363	--	
TOTAL					**95,384**			**11,681**	**17,630**	**28,900**	**19,380**	**16,550**	**12,581**	**1,034**	**56**	**120**	**29,552**	**16,751**	

HMA PAVEMENT PWL, TEST STRIP

CATEGORY	LOCATION	460.0105.S HMA PAVEMENT PWL TEST STRIP VOLUMETRICS EACH	460.0110.S HMA PAVEMENT PWL TEST STRIP DENSITY EACH	REMARKS
0010	BINDER LIFT	1	1	
0010	SURFACE LIFT	1	1	
TOTAL		**2**	**2**	

PWL MIXTURE USE TABLE

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

DESCRIPTION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEMS	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR: MIXTURE ACCEPTANCE	QUALITY MANAGEMENT PROGRAM TO BE USED FOR: DENSITY ACCEPTANCE
FIRST LIFT								
NB 5' SHOULDER	STA 60+50 TO STA 110+50 STA 128+14 TO STA 271+90	LOWER LAYER	BASE AGGREGATE DENSE 1-1/4 INCH	3 MT 58-28 S	1,808	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE
NB 12' DRIVING LANE	STA 60+50 TO STA 110+50 STA 128+14 TO STA 271+90	LOWER LAYER	BASE AGGREGATE DENSE 1-1/4 INCH	3 MT 58-28 S	4,340	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SB 12' DRIVING LANE	STA 60+50 TO STA 110+50 STA 128+14 TO STA 271+90	LOWER LAYER	BASE AGGREGATE DENSE 1-1/4 INCH	3 MT 58-28 S	4,340	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SB 5' SHOULDER	STA 60+50 TO STA 110+50 STA 128+14 TO STA 271+90	LOWER LAYER	BASE AGGREGATE DENSE 1-1/4 INCH	3 MT 58-28 S	1,808	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE
RAB SOUTH LEG RAB NORTH LEG RAB WEST LEG RAB EAST LEG	STA 110+50 TO STA 118+61 STA 120+07 TO STA 128+14 STA 207+34 TO STA 216+49 STA 217+96 TO STA 227+19	LOWER LAYER	BASE AGGREGATE DENSE 1-1/4 INCH	3 MT 58-28 S	3,183	3" - 3.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE
RAB	STA 20+00 'C' TO STA 23+46 'C'	LOWER LAYER	BASE AGGREGATE DENSE 1-1/4 INCH	3 MT 58-28 S	178	3.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE
CTH P LAKESHORE TIGHE STATE LINE RD BERGEN	STA 21+00 TO STA 35+00 STA 28+00 TO STA 32+00 STA 30+00 TO STA 32+00 STA 10+59 TO STA 13+68 STA 10+28 TO STA 10+98	LOWER LAYER	BASE AGGREGATE DENSE 1-1/4 INCH	3 MT 58-28 S	444	3"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE

PWL MIXTURE USE TABLE CONT'D

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

DESCRIPTION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEMS	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR: MIXTURE ACCEPTANCE	QUALITY MANAGEMENT PROGRAM TO BE USED FOR: DENSITY ACCEPTANCE
SECOND LIFT								
NB 5' SHOULDER	STA 60+50 TO STA 110+50 STA 128+14 TO STA 271+90	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	1,507	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE
NB 12' DRIVING LANE	STA 60+50 TO STA 110+50 STA 128+14 TO STA 271+90	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	3,617	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SB 12' DRIVING LANE	STA 60+50 TO STA 110+50 STA 128+14 TO STA 271+90	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	3,617	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SB 5' SHOULDER	STA 60+50 TO STA 110+50 STA 128+14 TO STA 271+90	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	1,507	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE
RAB SOUTH LEG RAB NORTH LEG RAB WEST LEG RAB EAST LEG	STA 110+50 TO STA 118+61 STA 120+07 TO STA 128+14 STA 207+34 TO STA 216+49 STA 217+96 TO STA 227+19	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	2,273	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE
RAB 12' DRIVING LANE	STA 20+00 'C' TO STA 23+46 'C'	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 H	127	2.5"	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE
CTH P LAKESHORE TIGHE STATE LINE RD BERGEN	STA 21+00 TO STA 35+00 STA 28+00 TO STA 32+00 STA 30+00 TO STA 32+00 STA 10+59 TO STA 13+68 STA 10+28 TO STA 10+98	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	370	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DEPARTMENT ACCEPTANCE (SS 460.3.3.2) *NOT ELIGIBLE FOR INCENTIVE

3

CULVERT PIPE SUMMARY

CAT	STATION	INLET OFFSET	ELEVATION	STATION	OUTFALL OFFSET	ELEVATION	520.4118 CULVERT PIPE CLASS IV 18-INCH LF	520.4130 CULVERT PIPE CLASS IV 30-INCH LF	520.4136 CULVERT PIPE CLASS IV 36-INCH LF*	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.0430 CULVERT PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.2419 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH LF	522.2424 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	522.2429 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	REMARKS
0010	11+10'ST'	13.67 LT	941.05	11+27'ST'	15.12 RT	940.67	34	--	--	--	--	--	--	--	--	
0010	71+53	36.32 LT	945.37	71+53	31.35 RT	943.75	--	--	--	--	--	--	68	--	--	
0010	83+32	34.43 LT	939.00	83+32	51.29 RT	935.58	--	--	--	86	--	--	--	--	--	
0010	105+15	30.7 RT	927.38	105+15	33.2 LT	926.75	--	--	--	--	--	66	--	--	--	
0010	105+23	32.1 RT	927.05	105+23	33.5 LT	926.72	--	--	--	--	--	66	--	--	--	
0010	146+57	25.99 LT	943.44	146+57	27.13 RT	943.26	--	54	--	--	--	--	--	--	--	
0010	167+85	30.41 LT	944.48	167+85	32.45 RT	943.97	--	--	--	--	--	64	--	--	--	
0010	167+93	30.41 LT	944.48	167+93	32.45 RT	943.97	--	--	--	--	--	64	--	--	--	
0010	194+04	38.3 LT	948.58	194+04	38.9 RT	948.00	--	--	78	--	--	--	--	--	--	
0010	28+45'P'	27.09 LT	949.07	28+90'P'	32.86 RT	948.68	--	--	--	--	--	--	--	--	72	
0010	30+75'P'	33.2 LT	949.43	30+53'P'	56.7 RT	948.04	--	--	--	--	--	--	--	94	--	
0010	223+02	30.52 RT	960.11	223+02	32.0 LT	959.09	--	--	--	--	--	64	--	--	--	
0010	30+81'LS'	29.68 LT	961.94	30+45'LS'	35.63 RT	961.26	--	--	--	--	--	--	84	--	--	
0010	255+68	33.5 RT	936.14	255+68	32.6 LT	935.13	--	--	--	--	--	70	--	--	--	
0010	255+76	33.5 RT	936.16	255+76	36.4 LT	935.19	--	--	--	--	--	70	--	--	--	
0010	261+66	33.1 RT	934.36	261+62	34.8 LT	934.02	--	--	--	--	68	--	--	--	--	
0010	261+72	32.8 RT	934.37	261+68	35.0 LT	934.00	--	--	--	--	68	--	--	--	--	
						TOTAL	**34**	**54**	**78**	**86**	**136**	**464**	**152**	**94**	**72**	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REQUIRED THICKNESS OF CLASS IV CORRUGATED METAL 18-INCH: STEEL-0.064" ALUMINUM-0.060"
REQUIRED THICKNESS OF CLASS IV CORRUGATED METAL 30-INCH: STEEL-0.079" ALUMINUM-0.075"
REQUIRED THICKNESS OF CLASS IV CORRUGATED METAL 36-INCH: STEEL-0.079" ALUMINUM-0.105"

3

CULVERT PIPE SUMMARY (CONTINUED)

CAT	STATION	521.0336 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 36 - INCH 4 TO 1 EACH	521.0436 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 36 - INCH 6 TO 1 EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH*	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH*	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.2619 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONT AL ELLIPTICAL 19X30-INCH EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONT AL ELLIPTICAL 24X38-INCH EACH	522.2629 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONT AL ELLIPTICAL 29X45-INCH EACH	SPV.0060.03 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 30-INCH 4 TO 1 EACH	633.5200 MARKERS CULVERT END EACH*	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH*	RCCP CLASS	REMARKS
0010	11+10'ST'	--	--	--	2	--	--	--	--	--	2	1	III	
0010	71+53	--	--	--	--	--	2	--	--	--	2	1	III	
0010	83+32	--	--	2	--	--	--	--	--	--	2	1	III	
0010	105+15	1	1	--	--	--	--	--	--	--	2	1	III	
0010	105+23	1	1	--	--	--	--	--	--	--	2	1	III	
0010	146+57	--	--	--	--	2	--	--	--	--	2	1	III	
0010	167+85	2	--	--	--	--	--	--	--	--	2	1	III	
0010	167+93	2	--	--	--	--	--	--	--	--	2	1	III	
0010	194+04	--	2	--	--	--	--	--	--	--	2	1	III	
0010	28+45'P'	--	--	--	--	--	--	--	2	--	2	1	III	
0010	30+75'P'	--	--	--	--	--	--	2	--	--	2	1	III	
0010	223+02	--	2	--	--	--	--	--	--	--	2	1	III	
0010	30+81'LS'	--	--	--	--	--	2	--	--	--	2	1	III	
0010	255+68	--	2	--	--	--	--	--	--	--	2	1	III	
0010	255+76	--	2	--	--	--	--	--	--	--	2	1	III	
0010	261+66	--	--	--	--	--	--	--	--	2	2	1	III	
0010	261+72	--	--	--	--	--	--	--	--	2	2	1	III	
TOTAL		**6**	**10**	**2**	**2**	**2**	**4**	**2**	**2**	**4**	**34**	**17**		

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

FILE NAME : X:\Projects\Rock\210050MW - STH 140 Clinton to State Line (3320-02-00)\Design\QuantityEstimate/030201-mq.pptx PLOT DATE : November 18, 2024 PLOT BY : JT Engineering, Inc PLOT NAME : PLOT SCALE : 1:1

DRIVEWAY CULVERT SUMMARY

CAT	LOCATION	STATION	INLET OFFSET	ELEVATION	STATION	OUTFALL OFFSET	ELEVATION	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	520.3321 CULVERT PIPE CLASS III-A 21-INCH LF	520.3324 CULVERT PIPE CLASS III-A 24-INCH LF	520.3330 CULVERT PIPE CLASS III-A 30-INCH LF	520.4136 CULVERT PIPE CLASS IV 36-INCH LF*	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH*	520.1021 APRON ENDWALLS FOR CULVERT PIPE 21-INCH EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE 36-INCH EACH*	521.1521 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 21-INCH 6 TO 1 EACH	521.1530 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 30-INCH 6 TO 1 EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH*	REMARKS
0010	STH 140	74+55	34.4 RT	945.27	74+32	35.4 RT	945.07	22	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	80+19	32.4 LT	942.25	81+86	32.4 LT	941.46	--	--	--	--	168	--	--	--	--	2	--	--	1	
0010	STH 140	84+12	38.8 LT	940.96	83+83	40.9 LT	940.47	--	30	--	--	--	--	2	--	--	--	--	--	1	
0010	STH 140	91+70	32.4 LT	938.51	91+97	32.4 LT	937.77	24	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	92+25	36.9 RT	935.61	92+48	38.1 RT	935.27	22	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	93+18	35.6 RT	933.67	93+46	32.8 RT	933.41	28	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	97+82	53.3 RT	925.11	98+37	46.7 RT	926.21	56	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	106+16	46.1 LT	927.73	105+85	46.9 LT	927.33	32	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	108+57	40.9 RT	932.06	108+32	42.0 RT	931.67	26	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	130+16	32.4 LT	945.99	129+84	32.4 LT	945.16	--	32	--	--	--	--	2	--	--	--	--	--	1	
0010	STH 140	140+80	32.0 LT	947.60	141+04	31.9 LT	947.48	--	--	--	24	--	--	--	--	2	--	--	--	1	
0010	STH 140	141+88	31.8 LT	947.07	142+11	31.7 LT	946.94	--	--	--	24	--	--	--	--	2	--	--	--	1	
0010	STH 140	146+00	41.8 RT	943.63	146+32	43.1 RT	943.40	--	32	--	--	--	--	2	--	--	--	--	--	1	
0010	STH 140	146+03	40.7 LT	943.82	146+30	41.5 LT	943.66	--	--	--	28	--	--	--	--	2	--	--	--	1	
0010	STH 140	147+58	41.8 RT	943.47	147+40	43.4 RT	943.40	--	--	20	--	--	--	--	2	--	--	--	--	1	
0010	STH 140	150+48	45.5 LT	945.59	150+18	45.2 LT	945.50	--	--	--	30	--	--	--	--	--	--	--	2	1	
0010	STH 140	150+48	39.5 LT	945.34	150+18	39.2 LT	945.25	--	--	--	30	--	--	--	--	--	--	--	2	1	
0010	STH 140	163+16	42.1 RT	947.84	163+45	42.9 RT	947.56	20	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	179+61	40.5 RT	949.25	179+14	37.4 RT	948.78	46	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	182+50	32.5 LT	953.12	182+10	32.5 LT	952.80	--	--	40	--	--	--	--	2	--	--	--	--	1	
0010	STH 140	182+48	36.5 RT	952.41	182+21	37.1 RT	952.13	28	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	186+59	28.7 LT	955.51	186+87	28.7 LT	955.40	--	--	28	--	--	--	--	2	--	--	--	--	1	
0010	STH 140	187+95	28.6 LT	954.66	188+23	29.2 LT	954.32	--	28	--	--	--	--	2	--	--	--	--	--	1	
0010	STH 140	198+17	41.2 RT	958.68	197+79	42.8 RT	957.20	38	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	200+39	36.3 RT	697.66	200+06	37.3 RT	966.32	34	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	215+62	37.9 RT	963.95	216+04	37.1 RT	963.49	--	42	--	--	--	--	--	--	--	--	2	--	1	
0010	STH 140	215+65	41.8 RT	964.22	216+00	41.2 RT	963.93	--	36	--	--	--	--	--	--	--	--	2	--	1	
0010	STH 140	231+60	32.4 RT	972.19	231+31	32.4 RT	971.57	--	--	30	--	--	--	--	2	--	--	--	--	1	
0010	STH 140	244+28	32.5 LT	957.01	244+58	32.4 LT	956.07	--	--	32	--	--	--	--	2	--	--	--	--	1	
0010	STH 140	245+42	32.4 RT	953.55	245+73	32.4 RT	952.59	--	--	32	--	--	--	--	2	--	--	--	--	1	
0010	STH 140	252+88	37.5 LT	938.87	253+12	39.3 LT	938.58	--	26	--	--	--	--	--	--	--	--	2	--	1	
0010	STH 140	252+87	41.5 LT	938.87	253+12	43.3 LT	938.58	--	26	--	--	--	--	--	--	--	--	2	--	1	
0010	STH 140	265+87	32.4 RT	939.48	265+62	32.4 RT	939.26	26	--	--	--	--	2	--	--	--	--	--	--	1	
0010	STH 140	266+09	32.6 LT	939.77	265+65	32.7 LT	938.63	--	--	44	--	--	--	--	2	--	--	--	--	1	
0010	STH 140	268+28	32.4 LT	942.94	268+05	32.4 LT	942.61	--	--	24	--	--	--	--	2	--	--	--	--	1	
0010	STH 140	269+85	32.4 LT	945.89	269+46	32.4 LT	945.20	--	--	40	--	--	--	--	2	--	--	--	--	1	
0010	CTH P	34+50	28.2 LT	951.87	34+19	28.2 LT	951.78	32	--	--	--	--	2	--	--	--	--	--	--	1	
0010	CTH P	34+19	27.0 RT	952.08	34+51	28.1 RT	951.90	32	--	--	--	--	2	--	--	--	--	--	--	1	
CATEGORY 0010 SUBTOTAL								466	252	290	136	168	30	8	18	6	2	8	4	38	
0020	STH 67	223+88	38.5 LT	940.68	223+39	40.1 LT	939.71	50	--	--	--	--	2	--	--	--	--	--	--	1	
0020	STH 67	226+61	23.8 LT	946.03	226+34	32.8 LT	945.50	28	--	--	--	--	2	--	--	--	--	--	--	1	
CATEGORY 0020 SUBTOTAL								78	0	0	0	0	4	0	0	0	0	0	0	2	
TOTAL								**544**	**252**	**290**	**136**	**168**	**34**	**8**	**18**	**6**	**2**	**8**	**4**	**40**	

*** ADDITIONAL QUANTITIES LISTED ELSEWHERE**

CONCRETE CURB & GUTTER

CATEGORY	STATION		STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	601.0582 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T LF	REMARKS
0010	80+50	-	81+84	STH 140 LT	--	--	134	--	
0010	172+20	-	173+55	TIGHE RD	--	--	159	--	
0010	194+21	-	195+43	STH 140 - CTH P INTERSECTION	--	--	298	--	
0010	201+50	-	205+60	STH 140 RT	--	--	410	--	
0010	223+72	-	225+29	LAKESHORE RD	--	--	313	--	
0010	234+00	-	237+00	STH 140 LT	--	--	300	--	
	CATEGORY 0010 SUBTOTAL				0	0	1614	0	
0020	118+61	-	120+07	AT RAB	--	--	--	333	
0020	110+00	-	116+82	SOUTH RAB ISLAND TO TRANSITION	--	339	--	--	REJECT
0020	116+82	-	118+61	SOUTH RAB ISLAND AT TRANSITION	351	--	--	--	
0020	118+51'SB'		118+61'SB'	SOUTH RAB ISLAND AT RAB	28	--	--	--	REJECT
0020	120+07	-	121+89	NORTH RAB ISLAND TO TRANSITION	357	--	--	--	REJECT
0020	121+89	-	123+59	NORTH RAB ISLAND AT TRANSITION	--	290	--	--	REJECT
0020	215+39'WB'	-	121+02'SB'	NW QUADRANT OF RAB	--	236	--	--	
0020	215+40'EB'	-	117+93'SB'	SW QUADRANT OF RAB	--	234	--	--	
0020	117+54	-	218+76'EB'	SE QUADRANT OF RAB	--	234	--	--	
0020	218+98'WB'	-	121+19	NE QUADRANT OF RAB	--	256	--	--	
0020	213+01'WB'	-	214+60'WB'	WEST MEDIAN ISLAND ON STH 67	--	--	319	--	REJECT
0020	215+26'WB'	-	216+49'WB'	WEST RAB ISLAND TO DRVWY ENTR.	182	--	--	--	REJECT
0020	218+05'EB'	-	218+13'EB'	EAST RAB ISLAND AT RAB	26	--	--	--	REJECT
0020	217+96'EB'	-	219+82'EB'	EAST RAB ISLAND TO TRANSITION	340	--	--	--	
0020	219+82'EB'	-	221+52'EB'	EAST RAB ISLAND AT TRANSITION	341	--	--	--	REJECT
	CATEGORY 0020 SUBTOTAL				1625	1589	319	333	
	TOTAL				**1,625**	**1,589**	**1,933**	**333**	

TRUCK APRON

STATION		STATION	415.2010 CONCRETE TRUCK APRON 12-INCH SY	405.0100 COLORING CONCRETE WISDOT RED CY	REMARKS
118+61	-	120+07	1184	395	
CATEGORY 0020 SUBTOTAL			1184	395	
TOTAL			**1,184**	**395**	

RIPRAP/GEOTEXTILE

			606.0100 RIPRAP LIGHT	606.0200 RIPRAP MEDIUM	645.0130 GEOTEXTILE TYPE R	645.0120 GEOTEXTILE TYPE HR	
CATEGORY	STATION	OFFSET	CY	CY*	SY	SY	REMARKS
0010	71+53'NB'	RT	--	5	--	19	
0010	81+84'NB'	LT	3	--	13		
0010	83+32'NB'	RT	--	5	--	19	
0010	105+19'NB'	LT	--	14	--	36	
0010	146+57'NB'	RT	--	9	--	28	
0010	167+89'NB'	RT	--	14	--	19	
0010	30+70'T'	LT	3	--	13	--	
0010	30+80'T'	RT	3	--	13	--	
0010	185+00'NB'	LT	3	--	13	--	
0010	187+75'NB'	LT	3	--	13	--	
0010	194+04'NB'	RT	--	7	--	23	
0010	28+90'P'	RT	--	9	--	28	
0010	30+53'P'	RT	--	7	--	23	
0010	194+10'NB'	RT	3	--	13	--	
0010	194+16'NB'	LT	3	--	13	--	
0010	27+17'P'	LT	3	--	13	--	
0010	27+27'P'	RT	3	--	13	--	
0010	30+72'P'	LT	3	--	13	--	
0010	30+83'P'	RT	3	--	13	--	
0010	201+50'NB'	RT	3	--	13	--	
0010	223+02'NB'	LT	--	13	--	39	
0010	30+45'LS'	RT	--	5	--	19	
0010	29+16'LS'	RT	3	--	13	--	
0010	29+31'LS'	LT	3	--	13	--	
0010	30+70'LS'	RT	3	--	13	--	
0010	30+84'LS'	LT	3	--	13	--	
0010	234+00'NB'	LT	3	--	13	--	
0010	255+72'NB'	LT	--	14	--	36	
0010	261+64'NB'	LT	--	10	--	26	
	CAT 0010 SUBTOTAL		**51**	**112**	**221**	**315**	
0020	215+36'EB'	RT	3	--	13	--	
0020	215+38'EB'	LT	3	--	13	--	
0020	121+24'NB'	RT	3	--	13	--	
0020	121+28'NB'	LT	3	--	13	--	
0020	52+35'SE'	RT	--	5	--	19	SS ENDWALL
0020	43+57'NE'	LT	--	7	--	23	SS ENDWALL
	CAT 0020 SUBTOTAL		**12**	**12**	**52**	**42**	
	TOTAL		**63**	**124**	**273**	**357**	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PIPE UNDERDRAINS

					612.0700 DRAIN TILE EXPLORATION	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH	SPV.0090.01 PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE	
CATEGORY	STATION		STATION		LF	EACH	LF*	REMARKS
0010	76+00	-	77+00	LT	100	--	--	VERIFY EXISTING DRAINTILE
0010	80+50	-	81+84	LT	--	1	150	
0010	105+00	-	106+00	LT	100	--	--	VERIFY EXISTING DRAINTILE
0010	179+60	-	180+00	LT	40	--	--	VERIFY EXISTING DRAINTILE
0010	193+50		194+00	LT	50	--	--	VERIFY EXISTING DRAINTILE
0010	193+50		194+00	RT	50	--	--	VERIFY EXISTING DRAINTILE
0010	201+50	-	205+60	RT	--	1	425	
0010	234+00	-	237+00	LT	--	1	215	
0010	255+00	-	256+00	LT & RT	200	--	--	VERIFY EXISTING DRAINTILE
0010	261+00	-	262+00	LT & RT	200	--	--	VERIFY EXISTING DRAINTILE
0010	27'P'+50	-	29'P'+00	LT	150	--	--	VERIFY EXISTING DRAINTILE
	TOTALS				**890**	**3**	**790**	

3

STORM SEWER PIPES

CAT	FROM STRUCTURE	-	TO STRUCTURE	INLET ELEVATION	OUTLET ELEVATION	SLOPE (%)	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	REMARKS
0020	1	-	2	931.48	931.38	0.40	--	25	--	
0020	2	-	3	931.38	931.25	0.40	--	32	--	
0020	3	-	4	931.25	931.03	0.40	--	56	--	
0020	5	-	6	929.75	929.65	0.50	--	--	20	
0020	6	-	7	929.60	929.46	0.50	--	--	28	
0020	7	-	8	929.41	929.25	0.50	--	--	32	
0020	8	-	9	929.20	929.08	0.51	--	--	23	
0020	9	-	10	929.03	928.91	0.48	--	--	25	
0020	9A	-	9B	929.44	929.40	0.52	--	8	--	
0020	9B	-	9	929.40	929.03	0.50	--	75	--	
0020	11	-	9A	930.17	929.44	0.50	146	--	--	
							146	**171**	**128**	

STORM SEWER STRUCTURES

CAT	STRUC NO.	STATION**	OFFSET**	LOCATION	RIM*** ELEV	INVERT**** ELEV	DEPTH*****	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH*	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0652 INLET COVERS TYPE T EACH	611.3230 INLETS 2X3-FT EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	633.5200 MARKERS CULVERT END EACH*	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0090.01 PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE LF*	REMARKS
0020	1	63+36.71	1.50' RT	ALI_PROF_RAB_SW	935.85	931.40	3.45	--	--	--	1	--	1	--	--	--	1	100	
0020	2	118+52.34	1.50' RT	ALI_PROF_STH_140_SB	936.19	931.23	3.96	--	--	1	--	--	1	--	--	--	1	50	
0020	3	118+49.00	1.50' LT	ALI_PROF_STH_140	936.62	931.02	4.60	--	--	1	--	--	1	--	--	--	1	50	
0020	4	52+35.16	35.36' RT	ALI_PROF_RAB_SE		931.03		1	--	--	--	--	--	--	--	1	1	--	
0020	5	53+45.87	20.63' RT	ALI_PROF_RAB_SE		929.75		--	1	--	--	--	--	--	--	1	1	--	
0020	6	53+40.00	1.50' RT	ALI_PROF_RAB_SE	935.44	929.60	4.84	--	--	--	1	--	--	1	--	--	1	50	
0020	7	218+10.00	1.50' LT	ALI_PROF_STH_67_EB	935.64	929.41	5.23	--	--	1	--	--	--	1	--	--	1	50	
0020	8	218+05.00	1.30' RT	ALI_PROF_STH_67_WB	935.56	929.20	5.36	--	--	1	--	--	--	1	--	--	1	50	
0020	9	43+57.34	1.10' LT	ALI_PROF_RAB_NE	934.95	929.02	4.93	--	--	--	1	--	--	--	1	--	1	100	
0020	9A	20+84.00	2.00' LT	ALI_PROF_CIRCLE	934.69	929.41	4.20	--	--	--	--	1	--	1	--	--	1	50	
0020	9B	20+76.00	2.00' LT	ALI_PROF_CIRCLE	934.68	929.38	4.22	--	--	--	--	1	--	1	--	--	1	50	
0020	10	43+57.29	26.01' LT	ALI_PROF_RAB_NE		928.91		--	1	--	--	--	--	--	--	1	1	--	
0020	11	34+99.80	2.00' LT	ALI_Prof_RAB_NW	933.73	930.14	2.59	--	--	--	1	--	1	--	--	--	1	50	
								1	**2**	**4**	**4**	**2**	**4**	**5**	**1**	**3**	**13**	**600**	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

*** RIM ELEVATIONS ARE TO THE FLANGE OF THE CASTING

**** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

***** DEPTH = RIM ELEV - LOWEST PIPE INVERT - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

3

REMOVING GUARDRAIL

STATION		STATION		204.0165 REMOVING GUARDRAIL LF	REMARKS
CATEGORY 0010					
95+64	-	96+85	LT	121	
95+60	-	96+83	RT	123	
CAT 0010 SUBTOTAL				244	
CATEGORY 0020					
121+56	-	122+71	LT	115	
121+50	-	122+68	RT	118	
CAT 0020 SUBTOTAL				233	
TOTAL				**477**	

GUARDRAIL

STATION		STATION		614.0920 SALVAGED RAIL LF	614.0925 SALVAGED GUARDRAIL END TREATMENTS EACH	614.2300 MGS GUARDRAIL 3 LF	614.2340 MGS GUARDRAIL 3 L LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH	REMARKS
CATEGORY 0010										
60+45	-	61+96	LT	100	1	100.0	--	1	--	
60+45	-	61+63	RT	62.5	1	62.5	--	1	--	
94+94	-	98+25	LT	--	--	225.0	--	2	--	
94+57	-	97+63	RT	--	--	200.0	--	2	--	
CAT 0010 SUBTOTAL				162.5	2	587.5	0	6	0	
CATEGORY 0020										
121+11	-	123+86	LT	--	--	125.0	100.0	1	1	
121+06	-	123+14	RT	--	--	50.0	100.0	1	1	
CAT 0020 SUBTOTAL				0	0	175	200	2	2	
TOTAL				**162.5**	**2**	**762.5**	**200.0**	**8**	**2**	

3

WATER SUMMARY

LOCATION	624.0100 WATER MGAL	REMARKS
CATEGORY 0010		
UNDISTRIBUTED	1038	
CATEGORY 0020		
UNDISTRIBUTED	250	
TOTAL	**1,288**	

LANDSCAPING SUMMARY

CATEGORY	LOCATION			625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0180 SEEDING MIXTURE NO. 80 LB	630.0500 SEED WATER MGAL	REMARKS
0010	60+50	-	110+00	28,108	22,758	18	759	--	5,682	
0010	128+14	-	271+87	104,942	80,002	66	2,833	--	21,213	
0010	UNDISTRIBUTED			13,305	10,276	8	359	--	2,690	
	CATEGORY 0010 SUBTOTAL			146,355	113,036	92	3,951	--	29,585	
0020	110+00	-	128+14	25,168	20,548	16	680	--	5,088	
0020	20+00	-	23+46	227	227	0	--	3	3	ROUNDABOUT
0020	UNDISTRIBUTED			2,540	2,078	2	68	--	509	
	CATEGORY 0020 SUBTOTAL			27,935	22,853	18	748	3	5,600	
	TOTAL			**174,290**	**135,889**	**110**	**4,699**	**3**	**35,185**	

FENCE SAFETY

616.0700.s
FENCE
SAFETY

CATEGORY	STATION		STATION	LF	REMARKS
0010	78+20	-	79+30	130	RT (PROTECT MOUND SYSTEM)
0010	84+75	-	85+25	50	LT (PROTECT MOUND SYSTEM)
0010	139+50	-	140+00	50	LT (PROTECT MOUND SYSTEM)
0010	142+75	-	143+35	60	LT (PROTECT MOUND SYSTEM)
0010	148+75	-	150+25	150	RT (PROTECT MOUND SYSTEM)
0010	202+50	-	202+75	25	RT (PROTECT LIGHT POLE)
CATEGORY 0010 SUBTOTAL				**465**	
0020	120+00	-	121+35	125	LT (PROTECT MOUND SYSTEM)
CATEGORY 0020 SUBTOTAL				**125**	
TOTAL				**590**	

EROSION CONTROL SUMMARY

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2027 EROSION MAT CLASS II TYPE C SY	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	REMARKS
CATEGORY 0010										
60+50 - 110+00	6	4	4,800	550	--	980	33	2,660	2,660	
128+14 - 173+00	--	--	7,700	--	--	590	36	1,020	1,470	
173+00 - 194+82.14	--	--	4,200	--	--	360	24	630	630	
194+82.14 - 224+50.91	--	--	6,000	--	--	560	18	130	130	
224+50.91 - 272+00	--	--	6,400	640	--	870	42	810	810	
UNDISTRIBUTED	--	--	7,300	300	--	--	--	--	--	
CATEGORY 0010 SUBTOTAL	6	4	36,400	1,500	0	3,360	153	5,250	5,700	
CATEGORY 0020										
110+00 - 128+14	2	1	1500	90	9	200	--	315	350	
207+50 "EB" - 208+75 "EB"	--	--	2700	330	--	170	6	150	100	
UNDISTRIBUTED	--	--	4200	80	--	--	--	--	--	
CATEGORY 0020 SUBTOTAL	2	1	8,400	500	9	370	6	465	450	
TOTAL	**8**	**5**	**44,800**	**2,000**	**9**	**3,730**	**159**	**5,715**	**6,150**	

PERMANENT SIGNING

CAT	SIGN NO.	STATION	OFFSET	SIGN WORDING AND PICTORIALS	CODE	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-IN X 14-FT EACH	634.0616 POSTS WOOD 4X6-IN X 16-FT EACH	634.0618 POSTS WOOD 4X6-IN X 18-FT EACH	634.0620 POSTS WOOD 4X6-IN X 20-FT EACH	634.0808 POSTS TUBULAR STEEL 2x2-INCH X 8-FT EACH	634.0809 POSTS TUBULAR STEEL 2x2-INCH X 9.5-FT EACH	REMARKS
0010	01-01	62+28	RT	WELCOME TO WISCONSIN	I2-1B	114.00	48.00	38.00	--	--	--	2	--	--	--	
0010	01-02	62+28	RT	ROCK CO	I2-2	48.00	15.00	5.00	--	--	--	--	--	--	--	INSTALL BELOW 01-01
0010	01-03	11'ST'+80	RT	STOP	R1-1	30.00	30.00	7.46	--	1	--	--	--	--	--	
0010	01-04	64+28	RT	NORTH 140 / ALTERNATE IH 39	J4-2	48.00	36.00	12.00	--	--	1	--	--	--	--	
0010	01-05	64+15	LT	[UA] HISTORICAL MARKER	D5-64A	72.00	24.00	12.00	--	2	--	--	--	--	--	
0010	01-06	66+28	RT	SPEED LIMIT 55	R2-1	24.00	30.00	5.00	--	1	--	--	--	--	--	
0010	01-07	68+28	RT	ADOPT A HIGHWAY	I55-56	30.00	18.00	3.75	--	--	1	--	--	--	--	
0010	01-08	68+28	RT	JEFFERSON PRAIRIE LUTHERAN CHURCH	I55-56P	30.00	18.00	3.75	--	--		--	--	--	--	INSTALL BELOW 01-08
0010	01-09	10'ST'+25	RT	[LA] HISTORICAL MARKER	D5-64L	60.00	36.00	15.00	--	--	2	--	--	--	--	
0010	01-10	9'ST'+75	LT	HISTORICAL MARKER [RA]	D5-64R	60.00	36.00	15.00	--	--	2	--	--	--	--	
0010	01-11	72+00	RT	SCHOOL BUS STOP AHEAD	S3-1	36.00	36.00	--	9.00	--	1	--	--	--	--	
0010	01-12	11'B'+00	RT	STOP	R1-1	30.00	30.00	5.18	--	1	--	--	--	--	--	
0010	01-13	8'B'+75	LT	[LA] HISTORICAL MARKER	D5-64L	60.00	36.00	15.00	--	--	2	--	--	--	--	
0010	01-14	81+25	LT	[UA] HISTORICAL MARKER	D5-64A	72.00	24.00	12.00	--	2	--	--	--	--	--	
0010	01-15	83+25	LT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
0010	01-16	83+25	RT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
					SHEET 1 SUBTOTAL			**149.14**	**20.12**	**7**	**11**	**2**	**0**	**0**	**0**	
0010	02-01	100+00	RT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
0010	02-02	102+00	LT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
0020	02-03	108+95	RT	JCT 67	J1-1	24.00	39.00	6.50	--	--	1	--	--	--	--	
0020	02-04	115+60	LT	ADOPT A HIGHWAY	I55-56	30.00	18.00	3.75	--	--	1	--	--	--	--	
0020	02-05	115+60	LT	JEFFERSON PRAIRIE LUTHERAN CHURCH	I55-56P	30.00	18.00	3.75	--	--	--	--	--	--	--	INSTALL BELOW 02-04
0020	02-06	110+95	LT	ROUNDABOUT AHEAD	W2-6	30.00	30.00	--	6.25	--	--	1	--	--	--	
0020	02-07	110+95	LT	20 MPH	W13-1	18.00	18.00	--	2.25	--	--	--	--	--	--	INSTALL BELOW 02-07
0020	02-08	112+95	RT	ROUNDABOUT DIAGRAMMATIC	D1-62	102.00	66.00	46.75	--	--	--	--	2	--	--	
0020	02-09	113+25	LT	BELVIDERE 21	D2-1	72.00	15.00	7.50	--	2	--	--	--	--	--	
0020	02-10	114+95	RT	DESTINATIONS AND ARROWS	D1-3	60.00	42.00	17.50	--	--	2	--	--	--	--	
0020	02-11	115+15	LT	KEEP RIGHT	R4-7	24.00	30.00	5.00	--	--	1	--	--	--	--	
0020	02-12	115+15	LT	OBJECT MARKER	W5-54	18.00	18.00	--	2.25	--	--	--	--	--	--	ON SAME POST AS 02-11
0020	02-13	115'SB'+15	LT	DO NOT ENTER	R5-1	30.00	30.00	6.25	--	1	--	--	--	--	--	
0020	02-14	115'SB'+15	LT	SPEED LIMIT 55	R2-1	24.00	30.00	5.00	--	--	--	--	--	--	--	ON SAME POST AS 02-13
0020	02-15	117'SB'+15	LT	WRONG WAY	R5-1A	36.00	24.00	6.00	--	--	--	--	--	--	--	ON SAME POST AS 02-16
0020	02-16	117'SB'+15	LT	SOUTH 140 / ALTERNATE IH 39	J4-2	48.00	36.00	12.00	--	--	1	--	--	--	--	
					SHEET 2 SUBTOTAL			**120.00**	**21.87**	**3**	**8**	**1**	**2**	**0**	**0**	
0020	03-01	118+45	LT	YIELD	R1-2	36.00	31.00	3.88	--	--	--	--	--	--	1	7'-3" MOUNTING HEIGHT
0020	03-02	118+45	RT	YIELD	R1-2	36.00	31.00	3.88	--	--	1	--	--	--	--	7'-3" MOUNTING HEIGHT
0020	03-03	118'SB'+50	RT	SOUTH 140 [TR]	D1-1	42.00	30.00	8.75	--	--	--	--	--	--	1	
0020	03-04	119+25	LT	ONE WAY	R6-1R	36.00	12.00	3.00	--	--	--	--	--	--	--	INSTALL ABOVE 03-07
0020	03-05	119+25	LT	ROUNDABOUT CHEVRON BANK	R6-4B	60.00	24.00	10.00	--	--	--	--	--	2	--	4'-0" MOUNTING HEIGHT FROM TRUCK APRON
0020	03-06	119'SB'+75	RT	ONE WAY	R6-1R	36.00	12.00	3.00	--	--	--	--	--	--	--	INSTALL ABOVE 03-07
0020	03-07	119'SB'+75	RT	ROUNDABOUT CHEVRON BANK	R6-4B	60.00	24.00	10.00	--	--	--	--	--	2	--	4'-0" MOUNTING HEIGHT FROM TRUCK APRON
0020	03-08	120+20	LT	NORTH 140 [TR]	D1-1	42.00	30.00	8.75	--	--	--	--	--	--	1	
0020	03-09	120'SB'+50	LT	YIELD	R1-2	36.00	31.00	3.88	--	--	1	--	--	--	--	7'-3" MOUNTING HEIGHT
0020	03-10	120'SB'+50	RT	YIELD	R1-2	36.00	31.00	3.88	--	--	--	--	--	--	1	7'-3" MOUNTING HEIGHT
0020	03-11	120+93	RT	NORTH 140 / ALTERNATE IH 39	J4-2	48.00	36.00	12.00	--	--	1	--	--	--	--	
0020	03-12	120+93	RT	WRONG WAY	R5-1A	36.00	24.00	6.00	--	--	--	--	--	--	--	ON SAME POST AS 03-11
0020	03-13	123+55	RT	SPEED LIMIT 55	R2-1	24.00	30.00	5.00	--	--	1	--	--	--	--	
0020	03-14	123+55	RT	DO NOT ENTER	R5-1	30.00	30.00	6.25	--	--	--	--	--	--	--	ON SAME POST AS 03-13
0020	03-15	123+55	LT	KEEP RIGHT	R4-7	24.00	30.00	5.00	--	--	1	--	--	--	--	
0020	03-16	123+55	LT	OBJECT MARKER	W5-54	18.00	18.00	--	2.25	--	--	--	--	--	--	INSTALL BELOW 03-15
0020	03-17	123'SB'+60	LT	DESTINATION AND ARROWS	D1-3	60.00	42.00	17.50	--	--	2	--	--	--	--	
0020	03-18	125+60	LT	ROUNDABOUT DIAGRAMMATIC	D1-62	102.00	66.00	46.75	--	--	--	--	2	--	--	
0020	03-19	125+55	RT	CLINTON 3	D2-1	60.00	15.00	6.25	--	2	--	--	--	--	--	
0020	03-20	127+60	LT	ROUNDABOUT AHEAD	W2-6	30.00	30.00	--	6.25	--	--	1	--	--	--	
0020	03-21	127+60	LT	20 MPH	W13-1	18.00	18.00	--	2.25	--	--	--	--	--	--	ON SAME POST AS 03-22
0020	03-22	127+55	RT	ADOPT A HIGHWAY	I55-56	30.00	18.00	3.75	--	--	1	--	--	--	--	
0020	03-23	127+55	RT	CLINTON CHAMBER OF COMMERCE	I55-56P	30.00	18.00	3.75	--	--	--	--	--	--	--	ON SAME POST AS 03-13
0020	03-24	131+80	LT	JCT 67	J1-1	24.00	39.00	6.50	--	--	1	--	--	--	--	
0010	03-25	137+50	RT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
0010	03-26	146+45	RT	STOP	R1-1	30.00	30.00	5.18	--	--	1	--	--	--	--	PARK DRIVEWAY
					SHEET 3 SUBTOTAL			**182.94**	**16.31**	**2**	**11**	**1**	**2**	**4**	**4**	

3

PERMANENT SIGNING (CONTINUED)

CAT	SIGN NO.	STATION	OFFSET	SIGN WORDING AND PICTORIALS	CODE	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-IN X 14-FT EACH	634.0616 POSTS WOOD 4X6-IN X 16-FT EACH	634.0618 POSTS WOOD 4X6-IN X 18-FT EACH	634.0620 POSTS WOOD 4X6-IN X 20-FT EACH	634.0808 POSTS TUBULAR STEEL 2x2-INCH X 8-FT EACH	634.0809 POSTS TUBULAR STEEL 2x2-INCH X 9.5-FT EACH	REMARKS
0010	04-01	173+45	RT	STOP	R1-1	30.00	30.00	5.18	--	1	--	--	--	--	--	TIGHE RD
0010	04-02	178+00	LT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
					SHEET 4 SUBTOTAL			**5.18**	**5.56**	**1**	**1**	**0**	**0**	**0**	**0**	
0010	05-01	185+25	RT	JCT P	J1-1	24.00	39.00	6.50	--	--	1	--	--	--	--	
0010	05-02	192+75	LT	SOUTH 140 / ALTERNATE IH 39	J4-2	48.00	36.00	12.00	--	--	1	--	--	--	--	
0010	05-03	193+50	RT	CTH P [DBA]	J13-1	24.00	45.00	7.50	--	--	1	--	--	--	--	
0010	05-04	193+50	RT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--		--	--	--	--	ON SAME POST AS 05-03
0010	05-05	195+50	LT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
0010	05-06	195+50	LT	CTH P [DBA]	J13-1	24.00	45.00	7.50	--	--		--	--	--	--	ON SAME POST AS 05-05
0010	05-07	196+50	RT	NORTH 140 / ALTERNATE IH I39	J4-2	48.00	36.00	12.00	--	--	1	--	--	--	--	
0010	05-08	206+60	LT	JCT P	J1-1	24.00	39.00	6.50	--	--	1	--	--	--	--	
					SHEET 5 SUBTOTAL			**52.00**	**11.12**	**0**	**6**	**0**	**0**	**0**	**0**	
0010	06-01	212+75	RT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
0010	06-02	220+50	LT	ADOPT A HIGHWAY	I55-56	30.00	18.00	3.75	--	--	1	--	--	--	--	
0010	06-03	220+50	LT	CLINTON CHAMBER OF COMMERCE	I55-56P	30.00	18.00	3.75	--	--	--	--	--	--	--	INSTALL BELOW 06-02
0010	06-04	223+95	LT	STOP	R1-1	30.00	30.00	5.18	--	1	--	--	--	--	--	LAKESHORE RD
0010	06-05	225+20	RT	STOP	R1-1	30.00	30.00	5.18	--	1	--	--	--	--	--	LAKESHORE RD
0010	06-06	227+75	LT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56		1	--	--	--	--	
					SHEET 6 SUBTOTAL			**17.86**	**11.12**	**2**	**3**	**0**	**0**	**0**	**0**	
0010	07-01	224+45	RT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
0010	07-02	267+40	LT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
0010	07-03	267+40	RT	SPEED LIMIT REDUCED TO 30 MPH	W3-5	36.00	36.00	--	9.00	--	1	--	--	--	--	
0010	07-04	271+75	RT	CLINTON POPULATION 2154	I2-3	60.00	24.00	10.00	--	2	--	--	--	--	--	
					SHEET 7 SUBTOTAL			**10.00**	**20.12**	**2**	**3**	**0**	**0**	**0**	**0**	

PERMANENT SIGNING (CONTINUED)

CAT	SIGN NO.	STATION	OFFSET	SIGN WORDING AND PICTORIALS	CODE	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-IN X 14-FT EACH	634.0616 POSTS WOOD 4X6-IN X 16-FT EACH	634.0618 POSTS WOOD 4X6-IN X 18-FT EACH	634.0620 POSTS WOOD 4X6-IN X 20-FT EACH	634.0808 POSTS TUBULAR STEEL 2x2-INCH X 8-FT EACH	634.0809 POSTS TUBULAR STEEL 2x2-INCH X 9.5-FT EACH	REMARKS
0020	08-01	203'EB'+30	LT	NO PASSING ZONE	W14-3	48.00	36.00	--	5.56	--	1	--	--	--	--	
0020	08-02	204'EB'+75	RT	JCT 140	J1-1	24.00	39.00	6.50	--	--	1	--	--	--	--	
0020	08-03	208'EB'+60	LT	BELOIT 8	D2-1	54.00	15.00	5.63	--	2	--	--	--	--	--	
0020	08-04	209'EB'+00	LT	ROUNDABOUT AHEAD	W2-6	30.00	30.00	--	6.25	--	--	1	--	--	--	
0020	08-05	209'EB'+00	LT	20 MPH	W13-1	18.00	18.00	--	2.25	--	--	--	--	--	--	INSTALL BELOW 08-05
0020	08-06	211'EB'+00	RT	ROUNDABOUT DIAGRAMMATIC	D1-62	102.00	66.00	63.00	--	--	--	--	2	--	--	
0020	08-07	213'WB'+00	LT	DO NOT ENTER	R5-1	30.00	30.00	5.56	--	1	--	--	--	--	--	
0020	08-08	213'WB'+00	LT	SPEED LIMIT 55	R2-1	24.00	30.00	5.00	--	--	--	--	--	--	--	ON SAME POST AS 08-07
0020	08-09	213'EB'+00	RT	DESTINATION AND ARROWS	D1-3	72.00	42.00	21.00	--	--	2	--	--	--	--	
0020	08-10	213'EB'+00	LT	KEEP RIGHT	R4-7	24.00	30.00	5.00	--	--	1	--	--	--	--	
0020	08-11	213'EB'+00	LT	OBJECT MARKER	W5-54	18.00	18.00	--	2.25	--	--	--	--	--	--	INSTALL BELOW 08-10
0020	08-12	215'EB'+00	RT	ONE WAY [LA]	R6-2L	24.00	30.00	5.00	--	1	--	--	--	--	--	INSTALL FACING DRIVEWAY
0020	08-13	215'WB'+40	LT	WRONG WAY	R5-1A	36.00	24.00	6.00	--	--	--	--	--	--	--	ON SAME POST AS 08-14
0020	08-14	215'WB'+40	LT	SOUTH 67	J4-1	24.00	36.00	6.00	--	--	1	--	--	--	--	
0020	08-15	216'EB'+20	LT	YIELD	R1-2	36.00	31.00	3.88	--	--	--	--	--	--	1	7'-3" MOUNTING HEIGHT
0020	08-16	216'EB'+20	RT	YIELD	R1-2	36.00	31.00	3.88	--	--	1	--	--	--	--	7'-3" MOUNTING HEIGHT
0020	08-17	216'WB'+40	RT	SOUTH 67 [TR]	D1-1	42.00	30.00	8.75	--	--	--	--	--	--	1	
0020	08-18	217'EB'+00	LT	ONE WAY	R6-1R	36.00	12.00	3.00	--	--	--	--	--	2	--	INSTALL ABOVE 08-19
0020	08-19	217'EB'+00	LT	ROUNDABOUT CHEVRON BANK	R6-4B	60.00	24.00	10.00	--	--	--	--	--	--	--	4'-0" MOUNTING HEIGHT FROM TRUCK APRON
0020	08-20	217'EB'+50	RT	ONE WAY	R6-1R	36.00	12.00	3.00	--	--	--	--	--	2	--	INSTALL ABOVE 08-21
0020	08-21	217'EB'+50	RT	ROUNDABOUT CHEVRON BANK	R6-4B	60.00	24.00	10.00	--	--	--	--	--	--	--	4'-0" MOUNTING HEIGHT FROM TRUCK APRON
0020	08-22	218'EB'+15	LT	NORTH 67 [TR]	D1-1	42.00	30.00	8.75	--	--	--	--	--	--	1	
0020	08-23	218'WB'+10	LT	YIELD	R1-2	36.00	31.00	3.88	--	--	1	--	--	--	--	7'-3" MOUNTING HEIGHT
0020	08-24	218'WB'+10	RT	YIELD	R1-2	36.00	31.00	3.88	--	--	--	--	--	--	1	7'-3" MOUNTING HEIGHT
0020	08-25	219'EB'+45	RT	NORTH 67	J4-1	24.00	36.00	6.00	--	--	1	--	--	--	--	
0020	08-26	219'EB'+45	RT	WRONG WAY	R5-1A	36.00	24.00	6.00	--	--	--	--	--	--	--	ON SAME POST AS 08-25
0020	08-27	221'EB'+45	RT	SPEED LIMIT 55	R2-1	24.00	30.00	5.00	--	--	1	--	--	--	--	
0020	08-28	221'EB'+45	RT	DO NOT ENTER	R5-1	30.00	30.00	6.25	--	--	--	--	--	--	--	ON SAME POST AS 08-27
0020	08-29	221'WB'+25	LT	DESTINATION AND ARROWS	D1-3	72.00	42.00	21.00	--	--	2	--	--	--	--	
0020	08-30	221'EB'+45	LT	KEEP RIGHT	R4-7	24.00	30.00	5.00	--	--	1	--	--	--	--	
0020	08-31	221'EB'+45	LT	OBJECT MARKER	W5-54	18.00	18.00	--	2.25	--	--	--	--	--	--	INSTALL BELOW 08-30
0020	08-32	223'EB'+45	RT	SHARON 6 / ELKHORN 25	D2-2	72.00	24.00	12.00	--	2	--	--	--	--	--	
0020	08-33	223'EB'+25	LT	ROUNDABOUT DIAGRAMMATIC	D1-62	102.00	66.00	46.75	--	--	--	--	2	--	--	
0020	08-34	223'EB'+40	LT	STOP	R1-1	30.00	30.00	5.18	--	1	--	--	--	--	--	PARK DRIVEWAY
0020	08-35	225'EB'+50	LT	ROUNDABOUT AHEAD	W2-6	30.00	30.00	--	6.25	--	--	1	--	--	--	
0020	08-36	225'EB'+50	LT	20 MPH	W13-1	18.00	18.00	--	2.25	--	--	--	--	--	--	INSTALL BELOW 08-36
0020	08-37	228'EB'+60	LT	JCT 140	J1-1	24.00	39.00	6.50	--	--	1	--	--	--	--	
					SHEET 8 SUBTOTAL			**307.37**	**27.06**	**7**	**14**	**2**	**4**	**4**	**4**	
0010	09-01	29'P'+40	RT	STOP	R1-1	30.00	30.00	5.18	--	1	--	--	--	--	--	
0010	09-02	29'P'+40	RT	STH 140 [DBA]	J12-1	24.00	45.00	7.50	--	--	1	--	--	--	--	
0010	09-03	30'P'+50	LT	STH 140 [DBA]	J12-1	24.00	45.00	7.50	--	--	1	--	--	--	--	
0010	09-04	30'P'+50	LT	STOP	R1-1	30.00	30.00	5.18	--	1	--	--	--	--	--	
					SHEET 9 SUBTOTAL			**25.36**	**0.00**	**2**	**2**	**0**	**0**	**0**	**0**	
					CATEGORY 0010 SUBTOTAL			264.72	84.72	14.00	30.00	2.00	0.00	0.00	0.00	
					CATEGORY 0020 SUBTOTAL			605.13	48.56	12.00	29.00	4.00	8.00	8.00	8.00	
					PROJECT TOTAL			**869.85**	**133.28**	**26.00**	**59.00**	**6.00**	**8.00**	**8.00**	**8.00**	

REMOVING SIGNING

CAT	SIGN NO.	LOCATION	OFFSET	MESSAGE	638.2602 REMOVING SIGNS TYPE II EACH*	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	R1-01	STH 140	RT	ROCK CO	1	1	"END IL-76" TO REMAIN
0010	R1-02	STH 141	RT	ADOPT A HIGHWAY	1	1	
0010	R1-03	STATE LINE RD	RT	STOP	1	1	
0010	R1-04	STH 140	LT	WELCOME TO WISCONSIN	1	2	
0010	R1-05	STH 140	RT	STH 140/IH 39	1	1	
0010	R1-06	STH 140	LT	STOP	1	1	
0010	R1-07	STH 140	RT	SCHOOL BUS STOP AHEAD	1	1	
0010	R1-08	BERGEN RD	RT	STOP	1	1	
0010	R1-09	STH 140	RT	NO PASSING ZONE	1	1	
0010	R1-10	STH 140	LT	NO PASSING ZONE	1	1	
				SHEET 1 SUBTOTAL	**10**	**11**	
0010	R2-01	STH 140	LT	HISTORICAL MARKER	1	2	
0010	R2-02	STH 140	LT	OBJECT MARKER	1	1	
0010	R2-03	STH 140	RT	OBJECT MARKER	1	1	
0010	R2-04	STH 140	RT	OBJECT MARKER	1	1	
0010	R2-05	STH 140	LT	OBJECT MARKER	1	1	
0010	R2-06	STH 140	RT	NO PASSING ZONE	1	1	
0010	R2-07	STH 140	LT	NO PASSING ZONE	1	1	
0020	R2-08	STH 140	RT	JCT 67	1	1	
0020	R2-09	STH 140	RT	ADVANCE TURN ASSEMBLY	1	2	
0020	R2-10	STH 140	LT	BELVIDERE DISTANCE	1	2	
0020	R2-11	STH 140	RT	DESTINATION ARROWS	1	2	
0020	R2-12	STH 140	LT	SPEED LIMIT 55	1	1	
0020	R2-13	STH 140	LT	ADOPT A HIGHWAY	1	1	
0020	R2-14	STH 140	RT	ADOPT A HIGHWAY	1	1	
0020	R2-15	STH 140	LT	STH 140/IH 39	1	1	
				SHEET 2 SUBTOTAL	**15**	**19**	
0020	R3-01	STH 140	RT	DIRECTIONAL ASSEMBLY	1	1	
0020	R3-02	STH 140	LT	DIRECTIONAL ASSEMBLY	1	1	
0020	R3-03	STH 140	RT	STH 140/IH 39	1	1	
0020	R3-04	STH 140	RT	OBJECT MARKER	1	1	
0020	R3-05	STH 140	LT	OBJECT MARKER	1	1	
0020	R3-06	STH 140	LT	OBJECT MARKER	1	1	
0020	R3-07	STH 140	RT	OBJECT MARKER	1	1	
0020	R3-08	STH 140	RT	SPEED LIMIT 55	1	1	
0020	R3-09	STH 140	LT	DESTINATION ARROWS	1	2	
0020	R3-10	STH 140	RT	CLINTON DISTANCE	1	2	
0020	R3-11	STH 140	LT	ADVANCE TURN ASSEMBLY	1	2	
0020	R3-12	STH 140	LT	JCT 67	1	1	
0010	R3-13	STH 140	RT	NO PASSING ZONE	1	1	
				SHEET 3 SUBTOTAL	**13**	**16**	
0010	R4-01	STH 140	RT	STOP	1	1	
0010	R4-02	STH 140	LT	NO PASSING ZONE	1	1	
				SHEET 4 SUBTOTAL	**2**	**2**	
0010	R5-01	STH 140	RT	JCT P	1	1	
0010	R5-02	STH 140	LT	STH 140/IH 39	1	1	
0010	R5-03	STH 140	RT	COUNTY P/ NO PASSING ZONE	1	1	
0010	R5-04	STH 140	LT	COUNTY P/ NO PASSING ZONE	1	1	
0010	R5-05	STH 140	RT	STH 140/IH 39	1	1	
0010	R5-06	STH 140	RT	JCT P	1	1	
				SHEET 5 SUBTOTAL	**6**	**6**	

*ALL REMOVED SIGNS SHALL BE RETURNED TO BTO SIGN SHOP PER STANDARD SPEC 638.3.4

REMOVING SIGNING (CONTINUED)

CAT	SIGN NO.	LOCATION	OFFSET	SIGN WORDING & PICTORALS	638.2602 REMOVING SIGNS TYPE II EACH*	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	R6-01	STH 140	RT	NO PASSING ZONE	1	1	
0010	R6-02	STH 140	RT	ADOPT A HIGHWAY	1	1	
0010	R6-03	STH 140	LT	ADOPT A HIGHWAY	1	1	
0010	R6-04	LAKESHORE DR	RT	STOP	1	1	
0010	R6-05	LAKESHORE DR	LT	STOP	1	1	
0010	R6-06	STH 140	LT	NO PASSING ZONE	1	1	
				SHEET 6 SUBTOTAL	**6**	**6**	
0010	R7-01	STH 140	RT	NO PASSING ZONE	1	1	
0010	R7-02	STH 140	RT	REDUCED SPEED AHEAD 30 MPH	1	1	
0010	R7-03	STH 140	LT	NO PASSING ZONE	1	1	
0010	R7-04	STH 140	RT	RAILROAD CROSSING	1	1	
0010	R7-05	STH 140	RT	CLINTON POPULATION	1	2	
				SHEET 7 SUBTOTAL	**5**	**6**	
0020	R8-01	STH 67	RT	JCT 140	1	1	
0020	R8-02	STH 67	RT	STOP AHEAD	1	1	
0020	R8-03	STH 67	LT	STOP AHEAD	1	1	
0020	R8-04	STH 67	LT	BELOIT DISTANCE	1	2	
0020	R8-05	STH 67	RT	ADVANCE TURN ASSEMBLY	1	2	
0020	R8-06	STH 67	LT	NO PASSING ZONE/SPEED LIMIT 55	1	1	
0020	R8-07	STH 67	RT	DESTINATION ARROWS	1	1	
0020	R8-08	STH 67	LT	STH 67	1	1	
0020	R8-09	STH 67	RT	STOP	1	--	OVERHEAD SIGN SUPPORT
0020	R8-10	STH 67	RT	STOP/X TRAFFIC DOES NOT STOP	1	--	OVERHEAD SIGN SUPPORT
0020	R8-11	STH 67	RT	DIRECTIONAL ASSEMBLY	1	1	
0020	R8-12	STH 67	LT	STOP	1	1	
0020	R8-13	STH 67	LT	DIRECTIONAL ASSEMBLY	1	1	
0020	R8-14	STH 67	LT	STOP	1	--	S-53-75
0020	R8-15	STH 67	LT	STOP/X TRAFFIC DOES NOT STOP	1	--	S-53-75
0020	R8-16	STH 67	RT	STH 67	1	1	
0020	R8-17	STH 67	RT	SPEED LIMIT 55	1	1	
0020	R8-18	STH 67	LT	DESTINATION ARROWS	1	2	
0020	R8-19	STH 67	RT	DESTINATION DISTANCE	1	2	
0020	R8-20	STH 67	LT	ADVANCE TURN ASSEMBLY	1	2	
0020	R8-21	STH 67	RT	STOP AHEAD	1	1	
0020	R8-22	STH 67	LT	STOP AHEAD	1	1	
0020	R8-23	STH 67	RT	JCT 140	1	1	
				SHEET 8 SUBTOTAL	**23**	**24**	
0010	R9-01	COUNTY P	RT	STOP	1	1	
0010	R9-02	COUNTY P	RT	DIRECTIONAL ASSEMBLY	1	1	
0010	R9-03	COUNTY P	LT	DIRECTIONAL ASSEMBLY	1	1	
0010	R9-04	COUNTY P	LT	STOP	1	1	
				SHEET 9 SUBTOTAL	**4**	**4**	
				CATEGORY 0010 SUBTOTAL	**41**	**44**	
				CATEGORY 0020 SUBTOTAL	**43**	**50**	
				PROJECT TOTAL	**84**	**94**	

*ALL REMOVED SIGNS SHALL BE RETURNED TO BTO SIGN SHOP PER STANDARD SPEC 638.3.4

3

TRAFFIC CONTROL

CATEGORY	LOCATION	EST. SERVICE PERIOD	643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0900 TRAFFIC CONTROL SIGNS		643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II		643.1050 TRAFFIC CONTROL SIGNS PCMS		643.5000 TRAFFIC CONTROL	REMARKS
		DAYS	NO	DAYS	NO	DAYS	NO	DAYS	CYCLE	EACH	NO	DAYS	EACH	
	STAGE 1													
0010	NORTH END STH 140	154	4	616	8	1,232	6	924	--	--	1	7	--	
0010	SIDEROADS ON DETOUR	154	5	770	10	1,540	59	9,086	--	--	--	--	--	
0010	SIDEROAD CLOSURES	154	7	1,078	14	2,156	21	3,234	--	--	--	--	--	
0010	C-53-2024 REPLACEMENT	37	16	592	24	888	6	222	--	--	--	--	--	
0010	DETAIL A	154	2	308	2	308	28	4,312	1	1	--	--	--	
0010	DETAIL B	154	--	--	--	--	22	3,388	--	--	--	--	--	
0010	DETAIL C	154	--	--	--	--	26	4,004	--	--	--	--	--	
0010	DETAIL D	154	--	--	--	--	22	3,388	--	--	--	--	--	
0010	DETAIL E	154	2	308	4	616	91	14,014	--	--	--	--	--	
0010	DETAIL F	154	1	154	2	308	137	21,098	--	--	--	--	--	
0010	DETAIL G	154	--	--	--	--	61	9,394	--	--	--	--	--	
0010	DETAIL H	154	3	462	4	616	128	19,712	1	8	--	--	--	
0010	DETAIL I	154	--	--	--	--	80	12,320	--	--	--	--	--	
0010	DETAIL J	154	--	--	--	--	32	4,928	1	2	--	--	--	
0010	DETAIL K	154	2	308	2	308	10	1,540	1	6	--	--	--	
0010	STH 67 @ STH 140	154	8	1,232	16	2,464	12	1,848	--	--	2	14	--	
0010	SOUTH END STH 140	154	4	616	8	1,232	6	924	--	--	1	7	--	
	STAGE 1 SUBTOTAL			6,444		11,668		114,336		17		28	0.5	
	STAGE 2													
0010	NORTH END STH 140	68	4	272	8	544	6	408	--	--	--	--	--	
0010	SIDEROADS ON DETOUR	68	--	--	--	--	6	408	--	--	--	--	--	
0010	SIDEROAD CLOSURES	68	5	340	10	680	15	1,020	--	--	--	--	--	
0010	C-53-3016 REPLACEMENT	37	15	555	22	814	5	185	--	--	--	--	--	
0010	DETAIL E2	68	--	--	--	--	85	5,780	--	--	--	--	--	
0010	DETAIL F2	68	--	--	--	--	67	4,556	--	--	--	--	--	
0010	DETAIL G2	68	--	--	--	--	15	1,020	--	--	--	--	--	
0010	DETAIL H2	68	3	204	4	272	53	3,604	1	8	--	--	--	
0010	DETAIL L2	68	2	136	4	272	23	1,564	1	4	--	--	--	
	STAGE 2 SUBTOTAL			1,507		2,582		18,545		12		--	0.5	
	TOTAL			**7,951**		**14,250**		**132,881**		**29**		**28**	**1**	

PAVEMENT MARKING SUMMARY

CATEGORY	STATION		STATION	LOCATION	646.2020 MARKING LINE EPOXY 6-INCH (YELLOW) LF	646.2020 MARKING LINE EPOXY 6-INCH (WHITE) LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) LF	646.4020 MARKING LINE EPOXY 10-INCH (WHITE) LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) LF	646.5020 MARKING ARROW EPOXY (TYPE 2) EACH	646.5120 MARKING WORD EPOXY (ONLY) EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH	648.0100 LOCATING NO-PASSING ZONES MI	REMARKS
0010	60+50	-	110+00	STH 140	--	--	9517	6833	--	--	--	--	--	--	--	--	--	0.94	
0010	128+14	-	194+82	STH 140	--	--	13000	4462	--	200	2	1	--	--	--	--	--	1.26	
0010	194+82	-	271+87	STH 140	--	--	14874	6104	--	200	2	1	--	--	--	--	--	1.46	
0010	21+00	-	30+00	CTH P	738	1600	--	--	--	--	--	--	30	--	--	--	--	0.17	
0010	30+00	-	34+40	CTH P	588	795	--	--	--	--	--	--	30	--	--	--	--	0.08	
CAT 0010 SUBTOTAL					3,721		54,790		--	400	4	2	60	--	--	--	--	3.91	
0020	110+00	-	118+61	STH 140	2540	--	1616	--	78	--	--	--	--	24	131	86	1	--	
0020	120+07	-	128+14	STH 140	2542	--	1481	--	70	--	--	--	--	24	125	85	1	--	
0020	207+34	-	216+49	STH 67	3210	1683	--	--	64	--	--	--	--	22	165	97	3	0.09	
0020	217+96	-	227+19	STH 67	2665	1730	--	--	75	--	--	--	--	25	142	85	1	0.09	
CAT 0020 SUBTOTAL					14,370		3,097		287	--	--	--	--	95	563	353	6	0.18	
				TOTAL	**18,091**		**57,887**		**287**	**400.00**	**4**	**2**	**60**	**95**	**563**	**353**	**6**	**4.09**	

CONSTRUCTION STAKING SUMMARY

CATEGORY	STATION		STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6501 CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE)01.C-53-2037 EACH	651.6501 CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE)02.C-53-3031 EACH	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01.3320-02-70 EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF*	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01.3320-02-70 LS	REMARKS
0010	60+50	-	110+00	STH 140	4950	4950	134	1	--	--	4950	--	
0010	128+14	-	194+82	STH 140	6668	6668	159	--	1	--	6668	--	
0010	194+82	-	271+87	STH 140	7705	7705	1321	--	--	--	7705	--	
0010	21+00	-	30+00	CTH P	900	900	--	--	--	--	900	--	
0010	30+00	-	34+40	CTH P	440	440	--	--	--	--	440	--	
0010			UNDISTRIBUTED		--	--	--	--	--	--	--	1	
CATEGORY 0010 SUBTOTAL					20663	20663	1614	1	1	0	20663	1	
0020	118+61	-	120+07	RAB	--	--	1293	--	--	1	--	--	
0020	110+00	-	118+61	STH 140	1722	1722	718	--	--	--	1722	--	
0020	120+07	-	128+14	STH 140	1614	1614	647	--	--	--	1614	--	
0020	207"EB"+34	-	216"EB"+49	STH 67	1830	1830	501	--	--	--	1830	--	
0020	217"EB"+96	-	227"EB"+19	STH 67	1846	1846	707	--	--	--	1846	--	
CATEGORY 0020 SUBTOTAL					7012	7012	3866	--	--	1	7012	--	
				TOTAL	**27,675**	**27,675**	**5,480**	**1**	**1**	**1**	**27,675**	**1**	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PULL BOXES

653.0164
PULL BOXES NON-CONDUCTIVE 24X42-INCH

CATEGORY	LOCATION	EACH	REMARKS
0020	PB01	1	
0020	PB02	1	
0020	PB03	1	
0020	PB04	1	
0020	PB05	1	
0020	PB06	1	
0020	PB07	1	
0020	PB08	1	
0020	PB09	1	
TOTAL		**9**	

CONTROL CABINET SUMMARY

CATEGORY	LOCATION	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0201 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) 01.CABINET A EACH	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	REMARKS
0020	CABINET A	1	1	1	
TOTAL		**1**	**1**	**1**	

LIGHT POLE SUMMARY

CATEGORY	LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH	REMARKS
0020	LB01	1	165	1	1	1	1	
0020	LB02	1	165	1	1	1	1	
0020	LB03	1	165	1	1	1	1	
0020	LB04	1	165	1	1	1	1	
0020	LB05	1	165	1	1	1	1	
0020	LB06	1	165	1	1	1	1	
0020	LB07	1	165	1	1	1	1	
0020	LB08	1	165	1	1	1	1	
0020	LB09	1	165	1	1	1	1	
0020	LB10	1	165	1	1	1	1	
0020	LB11	1	165	1	1	1	1	
0020	LB12	1	165	1	1	1	1	
0020	LB13	1	165	1	1	1	1	
0020	LB14	1	165	1	1	1	1	
0020	LB15	1	165	1	1	1	1	
0020	LB16	1	165	1	1	1	1	
TOTAL		**16**	**2,640 ***	**16**	**16**	**16**	**16**	

* - SEE UNDERGROUND WIRING FOR ADDITIONAL QUANTITY

CONDUIT

CATEGORY	FROM		TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	REMARKS
0020	CABINET	-	PB01	10	--	
0020	PB01	-	LB01	10	--	
0020	PB01	-	PB02	--	70	
0020	PB02	-	LB02	10	--	
0020	LB02	-	LB03	135	--	
0020	LB03	-	LB04	170	--	
0020	PB02	-	PB03	--	70	
0020	PB03	-	LB05	40	--	
0020	PB03	-	PB04	--	75	
0020	PB04	-	LB06	5	--	
0020	LB06	-	LB07	145	--	
0020	LB07	-	LB08	165	--	
0020	PB04	-	PB05	--	90	
0020	PB05	-	LB09	10	--	
0020	PB05	-	PB06	--	55	
0020	PB06	-	LB10	10	--	
0020	LB10	-	LB11	160	--	
0020	LB11	-	LB12	145	--	
0020	PB06	-	PB07	--	95	
0020	PB07	-	LB13	20	--	
0020	PB07	-	PB08	--	65	
0020	PB08	-	LB14	10	--	
0020	LB14	-	LB15	130	--	
0020	LB15	-	LB16	175	--	
0020	PB08	-	PB09	--	95	
0020	PB09	-	CABINET	10	--	
TOTAL				**1,360**	**615**	

UNDERGROUND WIRING

CATEGORY	CIRCUIT	FROM		TO	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF CIRCUIT (A,B,C,D)	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF GROUND (G)	REMARKS
0020	A,G	CABINET	-	LB01	120	60	
0020	B	CABINET	-	LB02	310	--	
0020	A,G	LB01	-	LB02	280	140	
0020	A,B,G	LB02	-	LB03	580	145	
0020	B,G	LB03	-	LB04	370	185	
0020	A,G	LB02	-	LB05	350	175	
0020	A,G	LB05	-	LB06	370	185	
0020	B	LB02	-	LB06	480	--	
0020	A,B,G	LB06	-	LB07	640	160	
0020	B,G	LB07	-	LB08	360	180	
0020	C,D,G	CABINET	-	LB14	720	180	
0020	C,D,G	LB14	-	LB15	560	140	
0020	C,G	LB15	-	LB16	380	190	
0020	D,G	LB14	-	LB13	320	160	
0020	D,G	LB13	-	LB10	370	185	
0020	C	LB14	-	LB20	520	--	
0020	D,G	LB10	-	LB09	270	135	
0020	C,D,G	LB10	-	LB11	700	175	
0020	C,G	LB11	-	LB12	320	160	
TOTAL					**8,020**	**2,555**	
					*		

* - SEE LIGHT POLE SUMMARY FOR ADDITIONAL QUANTITY

SAWING PAVEMENT SUMMARY

690.0150
SAWING
ASPHALT

LOCATION	LF	REMARKS
60+50	24	STH 140
271+90	24	STH 140
10+34'ST'	18	STATE LINE RD
10+28'B'	20	BERGEN RD
32+00'T'	19	TIGHE RD
21+00'P'	22	CTH P WEST
35+00'P'	22	CTH P EAST
28+00'LS'	20	LAKE SHORE RD WEST
32+00'LS'	20	LAKE SHORE RD EAST
92+30 - 92+43	13	DRIVEWAY
147+41 - 147+55	14	DRIVEWAY
202+57 - 202+73	16	DRIVEWAY
268+11 - 268+21	10	DRIVEWAY
CAT 0010 SUBTOTALS	242	
207+34'EB'	24	STH 67 WEST
227+19'EB'	24	STH 67 EAST
214+87'EB' - 215+05'EB'	18	STH 67 WEST
223+47'WB' - 223+66'WB'	19	STH 67 EAST
CAT 0020 SUBTOTALS	85	
TOTAL	**327**	

ABANDONING WELLS

204.0265

ABANDONING
WELLS

CATEGORY	LOCATION	EACH	REMARKS
0010	142+30 LT	1	
TOTALS		**1**	

TEMPORARY CHANNEL ITEM SUMMARY

		209.0300.S.01	606.0200	628.5505	512.1000	650.9920	SPV.0060.01	
		COARSE AGGREGATE #2	RIPRAP MEDIUM	POLYETHYLENE SHEETING	PILING STEEL SHEET TEMPORARY	CONSTRUCTION STAKING SLOPE STAKES	SAND BAGS	
CATEGORY	STRUCTURE	CY	CY*	SY	SF	LF*	EA	REMARKS
0010	C-53-2037	123	16	1323	1400	254	90	
0010	C-53-3031	125	20	1113	1400	280	99	
		248	**36**	**2,436**	**2,800**	**534**	**189**	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

CONTAMINATED SOIL SUMMARY

CATEGORY	STATION		STATION	SPV.0195.01 EXCAVATING, HAULING, AND DISPOSAL OF LEAD CONTAMINATED SOIL TON	REMARKS
0010	195+85	-	198+85	2322	
				2,322	

VERIFY LANDMARK REFERENCE

CATEGORY	STATION	OFFSET	SPV.0060.02 VERIFY LANDMARK REFERENCE MONUMENTS EACH	REMARKS
0010	172+78	16 LT	1	
0010	226+16	8 LT	1	
CAT 0010 SUBTOTALS			2	
0020	119+78	23 LT	1	
CAT 0020 SUBTOTALS			1	
		TOTAL	**3**	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
3320-02-20
BERGEN - EMERALD GROVE
ILLINOIS STATE LINE TO V CLINTON
STH 140
ROCK COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25
UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

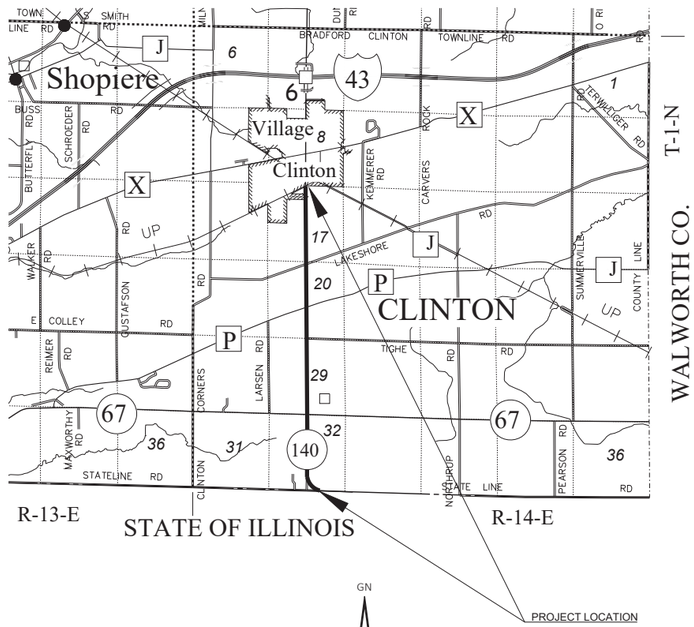
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W — WATER
G — GAS
T — TELEPHONE
OH — OVERHEAD TRANSMISSION LINES
E — ELECTRIC
TV — CABLE TELEVISION
FO — FIBER OPTIC
SAN — SANITARY SEWER
SS — STORM SEWER



LAYOUT
SCALE 0 1 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 3220-02-20

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WRSCRS), ROCK COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 3320-02-20 - 4. 01
SHEET 2 OF 3

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\RW\DWG\BASE PLAT TITLE 3220-02-20.DWG
LAYOUT NAME: TPP Title 34x22
PLOT DATE : 9/16/2015 3:04 PM PLOT BY : SETH REARDON PLOT NAME : _____

2220306
SANDY DISRUD
REGISTER OF DEEDS
ROCK COUNTY, WI
RECORDED ON
06/14/2022 09:06 AM
REC FEE: 25.00
TPP-E199,200,201
PAGES: 3
157

***The above recording information verifies that this document has been electronically recorded and returned to the submitter.**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3320-02-20 - 4.01
SHEET 1 OF 3

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.01

THAT PART OF THE SW 1/4 OF THE SE 1/4, THE NW 1/4 OF THE SE 1/4, THE SE 1/4 OF THE SW 1/4 AND THE NE 1/4 OF THE SW 1/4 OF SECTION 32, TOWNSHIP 1 NORTH, RANGE 14 EAST, TOWN OF CLINTON, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASE ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 140 ESTABLISHED FROM STATE AID PROJECT NO. 1344, AND FROM PREVIOUS PROJECTS 3320-00-22 AND T 0449(3) AUX 1.1

EXISTING HIGHWAY RIGHT-OF-WAY FOR S BERGEN RD ESTABLISHED FROM CSM V.5 CSM P. 276-277, STATE AID PROJECT NO. 1344 AND SECTION LINE

EXISTING HIGHWAY RIGHT-OF-WAY FOR E STATE LINE RD ESTABLISHED FROM CSM V.5 CSM P. 276-277 AND SECTION/STATE LINE.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

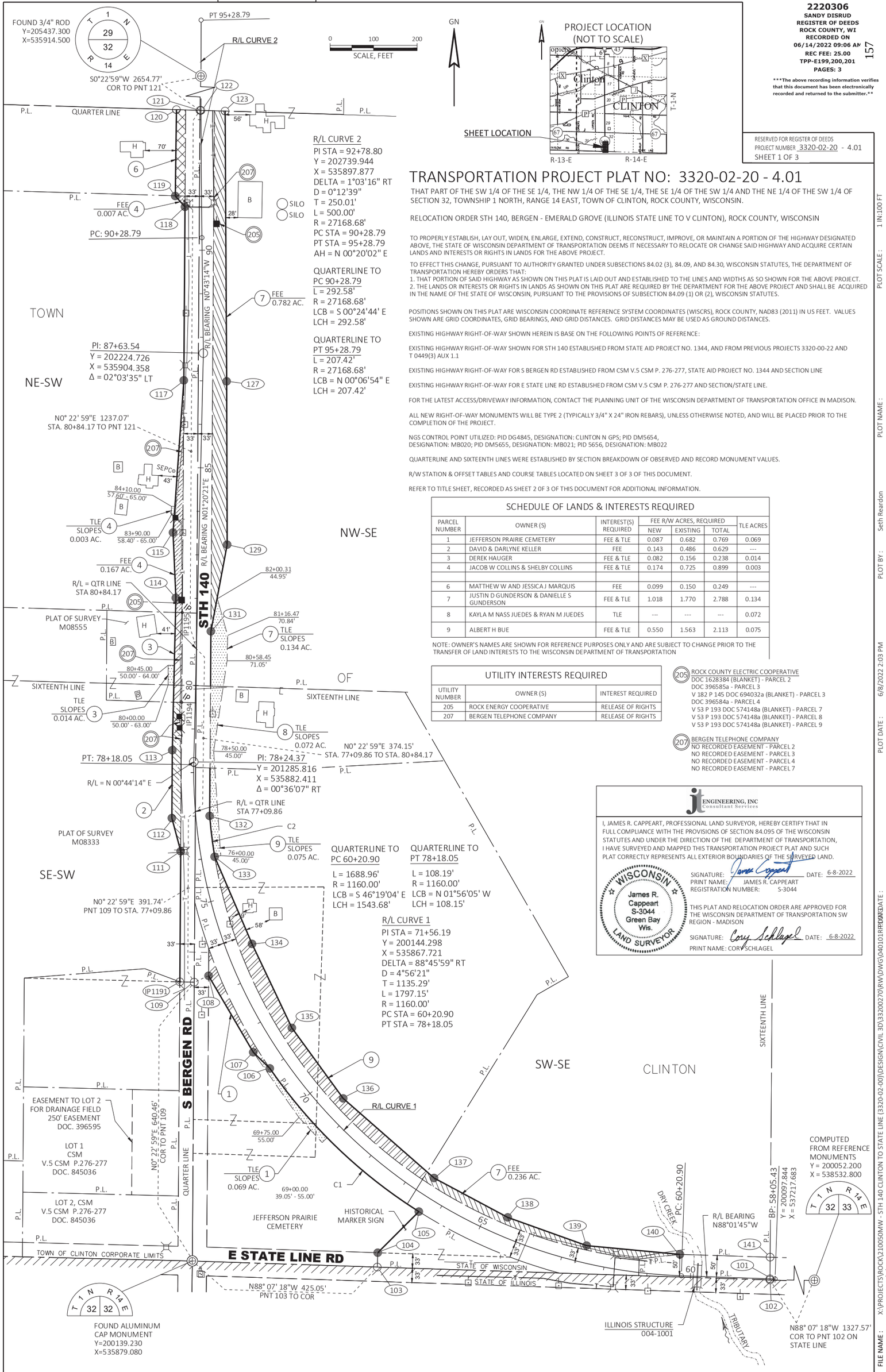
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS CONTROL POINT UTILIZED: PID DG4845, DESIGNATION: CLINTON N GPS; PID DM5654, DESIGNATION: MB020; PID DM5655, DESIGNATION: MB021; PID 5656, DESIGNATION: MB022

QUARTERLINE AND SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED AND RECORD MONUMENT VALUES.

R/W STATION & OFFSET TABLES AND COURSE TABLES LOCATED ON SHEET 3 OF 3 OF THIS DOCUMENT.

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF THIS DOCUMENT FOR ADDITIONAL INFORMATION.



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST(S) REQUIRED	FEE R/W ACRES, REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
1	JEFFERSON PRAIRIE CEMETERY	FEE & TLE	0.087	0.682	0.769	0.069
2	DAVID & DARLYNE KELLER	FEE	0.143	0.486	0.629	---
3	DEREK HAUGER	FEE & TLE	0.082	0.156	0.238	0.014
4	JACOB W COLLINS & SHELBY COLLINS	FEE & TLE	0.174	0.725	0.899	0.003
6	MATTHEW W AND JESSICA J MARQUIS	FEE	0.099	0.150	0.249	---
7	JUSTIN D GUNDERSON & DANIELLE S GUNDERSON	FEE & TLE	1.018	1.770	2.788	0.134
8	KAYLA M NASS JUEDES & RYAN M JUEDES	TLE	---	---	---	0.072
9	ALBERT H BUE	FEE & TLE	0.550	1.563	2.113	0.075

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
205	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS
207	BERGEN TELEPHONE COMPANY	RELEASE OF RIGHTS

(205) ROCK COUNTY ELECTRIC COOPERATIVE
DOC 1628384 (BLANKET) - PARCEL 2
DOC 396585a - PARCEL 3
V 182 P 145 DOC 694032a (BLANKET) - PARCEL 3
DOC 396584a - PARCEL 4
V 53 P 193 DOC 574148a (BLANKET) - PARCEL 7
V 53 P 193 DOC 574148a (BLANKET) - PARCEL 8
V 53 P 193 DOC 574148a (BLANKET) - PARCEL 9

(207) BERGEN TELEPHONE COMPANY
NO RECORDED EASEMENT - PARCEL 2
NO RECORDED EASEMENT - PARCEL 3
NO RECORDED EASEMENT - PARCEL 4
NO RECORDED EASEMENT - PARCEL 7

JT ENGINEERING, INC
Consultant Services

I, JAMES R. CAPPEART, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
James R. Cappeart
S-3044
Green Bay
Wis.
LAND SURVEYOR

SIGNATURE: James Cappeart DATE: 6-8-2022
PRINT NAME: JAMES R. CAPPEART
REGISTRATION NUMBER: S-3044

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION - MADISON

SIGNATURE: Cory Schlagel DATE: 6-8-2022
PRINT NAME: CORY SCHLAGEL

PLOT SCALE : 1 IN:100 FT
PLOT NAME :
PLOT BY : Seth Reardon
PLOT DATE : 6/8/2022 2:03 PM
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\3320270(RW)\DWG\040101RP000.DWG
APPRAISAL PLAT DATE : 6/8/2022

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.01
EXTENSION SHEET

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

4

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
101	58+17.16	0.00'
102	58+17.09	2.53' LT
103	66+48.02	197.60' LT
104	66+62.88	169.44' LT
105	66+37.51	38.66' LT
106	71+00.00	38.64' LT
107	71+50.00	50.00' LT
108	73+44.22	60.00' LT
109	73+43.43	96.23' LT
IP1191	73+55.59	126.42' LT
111	76+25.00	44.03' LT
112	77+00.00	55.00' LT
113	78+50.00	50.00' LT
114	82+00.00	50.00' LT
115	83+50.00	60.00' LT
117	87+00.00	43.28' LT
118	91+00.00	37.95' LT
119	91+25.00	60.00' LT
120	93+23.13	56.33' LT
121	93+21.44	2.16' LT
122	93+21.37	0.00'

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
123	93+19.63	55.42' RT
127	87+00.00	55.00' RT
129	83+25.00	65.00' RT
131	81+25.00	32.32' RT
132	76+96.99	31.96' RT
133	76+00.00	30.90' RT
134	73+75.00	60.00' RT
135	71+50.00	55.00' RT
136	69+40.00	50.00' RT
137	66+50.00	45.00' RT
138	64+50.00	45.00' RT
139	62+50.00	40.00' RT
140	60+26.11	49.07' RT
141	58+18.52	49.75' RT

COURSE TABLE		
COURSE	BEARING	DISTANCE
102-103	N88° 07' 18"W	902.52'
103-104	N01° 52' 42"E	33.00'
104-105	N44° 59' 26"E	133.66'
105-106	SEE CURVE TABLE "C1"	
106-107	N45° 49' 55"W	53.13'
107-108	N30° 16' 14"W	203.44'
108-109	S65° 59' 07"W	36.24'
109-IP1191	N88° 35' 59"W	33.01'
IP1191-111	N00° 22' 59"E	299.94'
111-112	N14° 55' 46"W	78.95'
112-113	N00° 21' 53"E	155.91'
113-114	N01° 20' 21"E	350.00'
114-115	N02° 28' 30"W	150.33'
115-117	N04° 04' 26"E	350.40'
117-118	N00° 22' 59"E	398.58'
118-119	N41° 54' 11"W	33.37'
119-120	N00° 45' 07"E	198.59'
120-121	S88° 18' 25"E	54.19'

COURSE TABLE		
COURSE	BEARING	DISTANCE
121-122	S88° 18' 25"E	2.17'
122-123	S88° 18' 25"E	55.45'
123-127	S00° 19' 28"E	620.98'
127-129	S00° 11' 19"E	375.13'
129-131	S10° 37' 06"W	202.65'
131-132	S00° 22' 59"W	424.11'
132-133	SEE CURVE TABLE "C2"	
133-134	S23° 13' 55"E	217.78'
134-135	S25° 22' 04"E	213.57'
135-136	S36° 01' 16"E	200.28'
136-137	S48° 46' 10"E	277.45'
137-138	S61° 53' 43"E	192.00'
138-139	S70° 17' 28"E	192.50'
139-140	S84° 38' 55"E	215.15'
140-141	S88° 12' 50"E	207.37'
141-101	S00° 24' 16"W	49.77'
101-102	S00° 24' 16"W	2.53'

CURVE TABLE					
CURVE NO.	COURSE	CHORD BEARING	RADIUS	CHORD LENGTH	ARC LENGTH
C1	105-106	N46° 08' 58"W	1178.92'	474.74'	478.01'
C2	132-133	S06° 59' 31"E	1111.91'	94.34'	94.37'

FOUND MONUMENT TABLE			
POINT NO.	Y	X	DESCRIPTION
IP1191	200780.499	535850.292	0.75" REBAR
IP1194	201422.323	535854.685	0.75" REBAR
IP1195	201628.633	535856.077	0.75" REBAR

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF THIS DOCUMENT.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83(2011), IN U.S. SURVEY FEET, VALUES SHOWN ARE IN GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

4

PROJECT NUMBER 3320-02-20 - 4.01
SHEET 3 OF 3

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\RW\DWG\040101RP.DWG PLOT DATE : 6/6/2022 10:31 AM PLOT BY : SETH REARDON PLOT NAME : PLOT SCALE : NA

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.02

THAT PART OF THE SE 1/4 OF THE NW 1/4, THE SW 1/4 OF THE NE 1/4, THE NW 1/4 OF THE NE 1/4 AND THE NE 1/4 OF THE NW 1/4 OF SECTION 32, TOWNSHIP 1 NORTH, RANGE 14 EAST, TOWN OF CLINTON, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASE ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 140 ESTABLISHED FROM STATE AID PROJECT NO. 1344 .

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS CONTROL POINT UTILIZED: PID DG4845, DESIGNATION: CLINTON N GPS; PID DM5654, DESIGNATION: MB020; PID DM5655, DESIGNATION: MB021; PID 5656, DESIGNATION: MB022

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION..

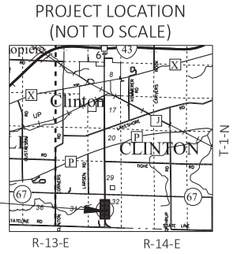
2224269
SANDY DISRUD
REGISTER OF DEEDS
ROCK COUNTY, WI
RECORDED ON
08/04/2022 01:38 PM
REC FEE: 25.00
TPP-E204
PAGES: 1

***The above recording information verifies that this document has been electronically recorded and returned to the submitter.**

159

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3320-02-20 - 4.02

PROJECT LOCATION (NOT TO SCALE)



GN

0 100 200
SCALE, FEET

FOUND 3/4" ROD
Y=205437.300
X=535914.500

T 1 N R 14 E
29
32

N0° 22' 59"E 776.20'
PNT 212 TO COR

R/L BEARING = N0°51'20"E

PT: 111+58.26

PC: 110+41.62

PI: 108+81.69
Y=204342.826
X=535906.749
Δ=0°16'36" LT

N0° 22' 59"E 630.70'
STA. 105+69.29 TO PNT 212

R/L BEARING = N0° 01'36"E

R/L CURVE 3
PI STA = 110+99.94
Y = 204561.082
X = 535906.850
DELTA = 0°49'45" RT
D = 0°42'39"
T = 58.32'
L = 116.64'
R = 8060.00'
PC STA = 110+41.62
PT STA = 111+58.26

R/L QUARTERLINE

NE-NW
NW-NE
TOWN
CLINTON
SE-NW
SW-NE

STH 140

SIXTEENTH LINE

R/L = QTR LINE
STA 105+69.29

PI: 100+00.00
Y= 203461.151
X= 535902.079
Δ= 00° 01' 50" LT

N0° 22' 59"E 1247.87'
PNT 121 TO STA 105+69.29

PT: 95+28.79

N0° 22' 59"E 2643.42'
COR TO PNT 121

PC 90+28.79

R/L CURVE 2
PI STA = 92+78.80
Y = 202739.944
X = 535897.877
DELTA = 1°03'16" RT
D = 0°12'39"
T = 250.01'
L = 500.00'
R = 27168.68'
PC STA = 90+28.79
PT STA = 95+28.79
BK = N 00°43'14" W

QUARTERLINE TO PC 90+28.79
L = 292.58'
R = 27168.68'
LCB = S 00°24'44" E
LCH = 292.58'

QUARTERLINE TO PC 95+28.79
L = 207.42'
R = 27168.68'
LCB = N 00°06'54" E
LCH = 207.42'

QUARTER LINE

SECTION LINE
R/L
TLE SLOPES 0.025 AC.
TLE SLOPES 0.033 AC.
WATERWAY 0.018 AC.
WATERWAY 0.019 AC.
TLE SLOPES 0.017 AC.
DRY CREEK TRIBUTARY
B-53-2024 EXISTING
B-53-2037 REQ'D

SCHEDULE OF SIGN STRUCTURES		
SIGN NUMBER	SIGN OWNER	OASIS NUMBER
12-1	THE LAMAR COMPANY, LLC DAVID M & BETTY J LEE TRUST & LIFE INTEREST OF AGNES M LEE	70244

FOUND MONUMENT TABLE			
POINT NO.	Y	X	DESCRIPTION
IP73	202910.029	535929.967	0.50" REBAR

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
120	93+23.13	56.33' LT
121	93+21.44	2.16' LT
122	93+21.37	0.00'
123	93+19.63	55.42' RT
201	94+25.00	55.00' LT
202	96+00.00	70.00' LT
203	99+00.00	75.00' LT
205	102+50.00	55.00' LT
206	105+25.00	60.00' LT
207	109+00.00	60.00' LT
209	111+58.26	75.00' LT
210	112+00.00	76.71' LT
211	112+00.00	0.00'
212	112+00.00	0.97' RT
213	112+00.00	86.29' RT
214	111+58.26	85.00' RT
216	108+75.00	60.00' RT
217	106+50.00	60.00' RT
218	105+00.00	70.00' RT
219	104+75.00	60.00' RT
220	102+50.00	55.00' RT
222	98+00.00	80.00' RT
223	94+00.00	55.00' RT

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER (S)	INTEREST(S) REQUIRED	FEE R/W ACRES, REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
7	JUSTIN D GUNDERSON & DANIELLE S GUNDERSON	FEE	0.074	0.100	0.174	---
11	CLAIRE ROZRAN	FEE & TLE	1.319	1.423	2.742	0.025
12	DAVID M & BETTY J LEE TRUST & LIFE INTEREST OF AGNES M LEE THE LAMAR COMPANY, LLC	FEE & TLE	1.159	1.521	2.680	0.050

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

COURSE TABLE		
COURSE	BEARING	DISTANCE
121-120	N88° 18' 25"W	54.19'
120-201	N00° 45' 07"E	102.08'
201-202	N04° 37' 26"W	175.87'
202-203	N00° 37' 16"W	300.04'
203-205	N03° 34' 58"E	350.54'
205-206	N00° 44' 16"W	275.05'
206-207	N00° 17' 23"E	374.71'
207-209	N03° 05' 46"W	259.73'
209-210	N01° 29' 43"W	41.77'
210-211	S89° 08' 40"E	76.71'
211-212	S89° 08' 40"E	0.97'
212-213	S89° 08' 40"E	85.32'

COURSE TABLE		
COURSE	BEARING	DISTANCE
213-214	S02° 37' 39"W	41.76'
214-216	S05° 15' 42"W	283.50'
216-217	S00° 18' 13"W	225.00'
217-218	S03° 30' 38"E	150.33'
218-219	S22° 06' 18"W	26.93'
219-220	S01° 34' 33"W	225.06'
220-222	S02° 51' 45"E	450.73'
222-223	S03° 52' 08"W	400.50'
223-123	S00° 19' 28"E	80.21'
123-122	N88° 18' 25"W	55.45'
122-121	N88° 18' 25"W	2.17'

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
205	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS
207	BERGEN TELEPHONE COMPANY	RELEASE OF RIGHTS

(205) ROCK COUNTY ELECTRIC COOPERATIVE
V 53 P 193 DOC 574148a (BLANKET) - PARCEL 7
V 1 P 26 DOC 396582a (BLANKET) - PARCEL 7
V 1 P 26 DOC 396582a (BLANKET) - PARCEL 12
DOC 1467497 (BLANKET) - PARCEL 11

(207) BERGEN TELEPHONE COMPANY
NO RECORDED EASEMENT - PARCEL 12

FOUND ALUMINUM CAP MONUMENT
Y=200139.230
X=535879.080

T 1 N R 14 E
32 32

ENGINEERING, INC
Consultant Services

I, JAMES R. CAPPEART, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN James R. Cappeart S-3044 Green Bay Wis. LAND SURVEYOR

SIGNATURE: James Cappeart DATE: 7-12-2022
PRINT NAME: JAMES R. CAPPEART
REGISTRATION NUMBER: S-3044

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION - MADISON

SIGNATURE: Cory Schlagel DATE: 8/3/2022
PRINT NAME: CORY SCHLAGEL

PLOT SCALE : 1 IN:100 FT
PLOT NAME :
PLOT BY : James Cappeart
PLOT DATE : 7/12/2022 2:57 PM
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\3320027OR\WD\WG\040101RP001.DGN
APPRAISAL PLAT DATE : 7/12/2022

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.03

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 12 CSM ON PAGES 363-364 AS DOCUMENT 1028906, BEING IN AND INCLUDING PART OF THE SE 1/4 OF THE SW 1/4 AND THAT PART OF THE SW 1/4 OF THE SE 1/4, SECTION 29, AND THAT PART OF THE NW 1/4 OF THE NE 1/4, AND THE NE 1/4 OF THE NW 1/4, SECTION 32, ALL IN TOWNSHIP 1 NORTH, RANGE 14 EAST, TOWN OF CLINTON, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASE ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 140 ESTABLISHED FROM CSM V.12 CSM P.363-364, STATE AID PROJECT NO. 1344.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 67 ESTABLISHED FROM CSM V.12 CSM P.363-364, AND CENTERLINE OF EXISTING ROADWAY

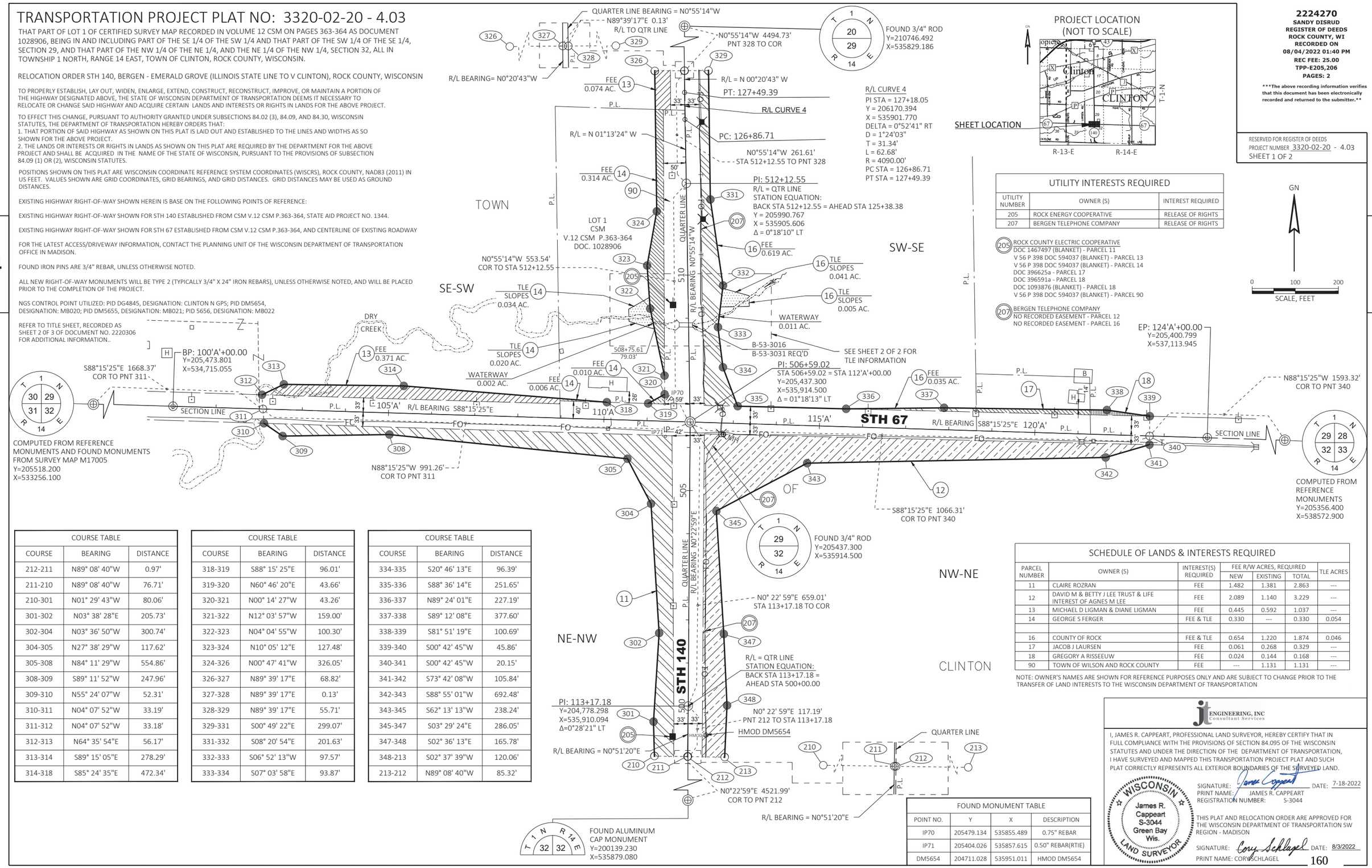
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

FOUND IRON PINS ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS CONTROL POINT UTILIZED: PID DG4845, DESIGNATION: CLINTON N GPS; PID DM5654, DESIGNATION: MB020; PID DM5655, DESIGNATION: MB021; PID 5656, DESIGNATION: MB022

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION..



UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
205	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS
207	BERGEN TELEPHONE COMPANY	RELEASE OF RIGHTS

205 ROCK COUNTY ELECTRIC COOPERATIVE
DOC 1467497 (BLANKET) - PARCEL 11
V 56 P 398 DOC 594037 (BLANKET) - PARCEL 13
V 56 P 398 DOC 594037 (BLANKET) - PARCEL 14
DOC 396625a - PARCEL 17
DOC 396591a - PARCEL 18
DOC 1093876 (BLANKET) - PARCEL 18
V 56 P 398 DOC 594037 (BLANKET) - PARCEL 90

207 BERGEN TELEPHONE COMPANY
NO RECORDED EASEMENT - PARCEL 12
NO RECORDED EASEMENT - PARCEL 16

COURSE TABLE		
COURSE	BEARING	DISTANCE
212-211	N89° 08' 40"W	0.97'
211-210	N89° 08' 40"W	76.71'
210-301	N01° 29' 43"W	80.06'
301-302	N03° 38' 28"E	205.73'
302-304	N03° 36' 50"W	300.74'
304-305	N27° 38' 29"W	117.62'
305-308	N84° 11' 29"W	554.86'
308-309	S89° 11' 52"W	247.96'
309-310	N55° 24' 07"W	52.31'
310-311	N04° 07' 52"W	33.19'
311-312	N04° 07' 52"W	33.18'
312-313	N64° 35' 54"E	56.17'
313-314	S89° 15' 05"E	278.29'
314-318	S85° 24' 35"E	472.34'

COURSE TABLE		
COURSE	BEARING	DISTANCE
318-319	S88° 15' 25"E	96.01'
319-320	N60° 46' 20"E	43.66'
320-321	N00° 14' 27"W	43.26'
321-322	N12° 03' 57"W	159.00'
322-323	N04° 04' 55"W	100.30'
323-324	N10° 05' 12"E	127.48'
324-326	N00° 47' 41"W	326.05'
326-327	N89° 39' 17"E	68.82'
327-328	N89° 39' 17"E	0.13'
328-329	N89° 39' 17"E	55.71'
329-331	S00° 49' 22"E	299.07'
331-332	S08° 20' 54"E	201.63'
332-333	S06° 52' 13"W	97.57'
333-334	S07° 03' 58"E	93.87'

COURSE TABLE		
COURSE	BEARING	DISTANCE
334-335	S20° 46' 13"E	96.39'
335-336	S88° 36' 14"E	251.65'
336-337	N89° 24' 01"E	227.19'
337-338	S89° 12' 08"E	377.60'
338-339	S81° 51' 19"E	100.69'
339-340	S00° 42' 45"W	45.86'
340-341	S00° 42' 45"W	20.15'
341-342	S73° 42' 08"W	105.84'
342-343	S88° 55' 01"W	692.48'
343-345	S62° 13' 13"W	238.24'
345-347	S03° 29' 24"E	286.05'
347-348	S02° 36' 13"E	165.78'
348-213	S02° 37' 39"W	120.06'
213-212	N89° 08' 40"W	85.32'

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER (S)	INTEREST(S) REQUIRED	FEE R/W ACRES, REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
11	CLAIRE ROZRAN	FEE	1.482	1.381	2.863	---
12	DAVID M & BETTY J LEE TRUST & LIFE INTEREST OF AGNES M LEE	FEE	2.089	1.140	3.229	---
13	MICHAEL D LIGMAN & DIANE LIGMAN	FEE	0.445	0.592	1.037	---
14	GEORGE S FERGER	FEE & TLE	0.330	---	0.330	0.054
16	COUNTY OF ROCK	FEE & TLE	0.654	1.220	1.874	0.046
17	JACOB J LAURSEN	FEE	0.061	0.268	0.329	---
18	GREGORY A RISSEEUW	FEE	0.024	0.144	0.168	---
90	TOWN OF WILSON AND ROCK COUNTY	FEE	---	1.131	1.131	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

FOUND MONUMENT TABLE			
POINT NO.	Y	X	DESCRIPTION
IP70	205479.134	535855.489	0.75" REBAR
IP71	205404.026	535857.615	0.50" REBAR(RTIE)
DM5654	204711.028	535951.011	HMOD DM5654

JT ENGINEERING, INC Consultant Services

I, JAMES R. CAPPEART, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN James R. Cappeart S-3044 Green Bay Wis. LAND SURVEYOR

SIGNATURE: James Cappeart DATE: 7-18-2022
PRINT NAME: JAMES R. CAPPEART
REGISTRATION NUMBER: S-3044

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION - MADISON

SIGNATURE: Cory Schlagel DATE: 8/3/2022
PRINT NAME: CORY SCHLAGEL

2224270
SANDY DISRUD
REGISTER OF DEEDS
ROCK COUNTY, WI
RECORDED ON
08/04/2022 01:40 PM
REC FEE: 25.00
TPP-E205,206
PAGES: 2

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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3320-02-20 - 4.03
SHEET 1 OF 2

4

4

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.03
EXTENSION SHEET
RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

4

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
210	112+00.00	76.71' LT
211	112+00.00	0.00'
212	112+00.00	0.97' RT
213	112+00.00	86.29' RT
301	112+80.00	80.00' LT
302	501+68.87	68.61' LT
304	504+68.88	89.57' LT
305	110'A'+57.25	89.72' RT
308	105'A'+03.79	50.38' RT
309	102'A'+56.08	61.40' RT
310	102'A'+12.14	33.02' RT
311	102'A'+08.74	0.00'
312	102'A'+05.35	33.01' LT
313	102'A'+55.33	58.63' LT
314	105'A'+33.58	63.46' LT
318	110'A'+05.33	40.00' LT
319	111'A'+01.34	40.00' LT
320	507+24.26	58.25' LT

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
321	507+67.52	57.74' LT
322	509+23.52	88.47' LT
323	510+23.67	94.00' LT
324	511+48.80	69.66' LT
326	128+00.00	68.82' LT
327	128+00.00	0.00'
328	128+00.00	0.13' RT
329	128+00.00	55.83' RT
331	511+74.54	55.19' RT
332	509+74.60	81.26' RT
333	508+77.93	68.03' RT
334	507+84.60	78.08' RT
335	506+93.94	110.81' RT
336	115'A'+60.71	41.56' LT
337	117'A'+87.71	50.85' LT
338	121'A'+65.26	57.08' LT
339	122'A'+65.33	45.85' LT
340	122'A'+66.15	0.00'

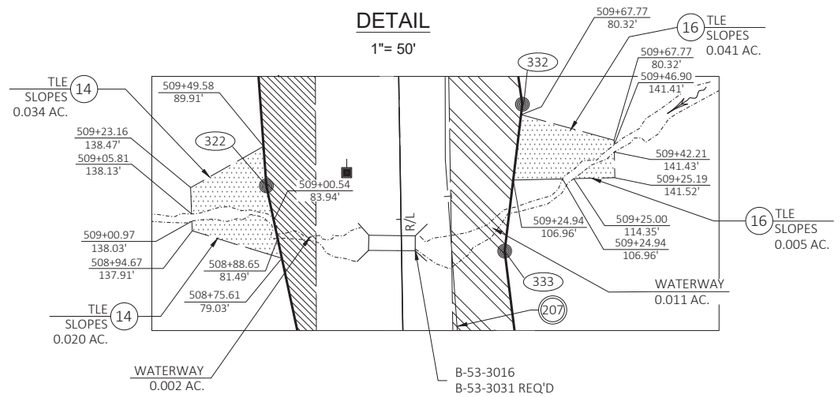
R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
341	122'A'+66.51	20.14' RT
342	121'A'+65.88	52.92' RT
343	114'A'+74.24	87.07' RT
345	504+53.02	62.06' RT
347	501+67.63	81.39' RT
348	500+02.07	90.02' RT

REFER TO TITLE SHEET, RECORDED AS SHEET 2 0F 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83(2011), IN U.S. SURVEY FEET, VALUES SHOWN ARE IN GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

4

DETAIL
1"= 50'



PROJECT NUMBER 3320-02-20 - 4.03
SHEET 2 OF 2

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\RW\DWG\040101RP.DWG PLOT DATE : 7/12/2022 10:37 AM PLOT BY : JAMES CAPPEART PLOT NAME : PLOT SCALE : N/A

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.04

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 12 CSM ON PAGES 384-385 AS DOCUMENT 1030798 BEING IN AND INCLUDING PART OF THE SE 1/4 OF THE SW 1/4 AND THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 35 CSM ON PAGES 376-378 AS DOCUMENT 1984161 BEING IN AND INCLUDING THAT PART OF THE NE 1/4 OF THE SW 1/4 AND THAT PART OF THE NW 1/4 OF THE SE 1/4 AND THE SW 1/4 OF THE SE 1/4, ALL IN SECTION 29, TOWNSHIP 1 NORTH, RANGE 14 EAST, TOWN OF CLINTON, ROCK COUNTY, WISCONSIN

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASE ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 140 ESTABLISHED FROM CSM V.12 CSM P.384-385, CSM V.12 CSM P.590, CSM V.35 P.376-378 AND STATE AID PROJECT NO. 1344.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

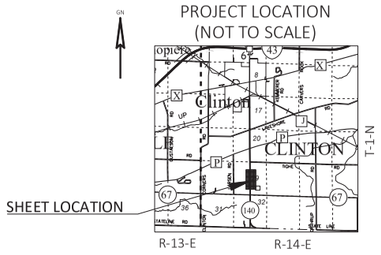
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS CONTROL POINT UTILIZED: PID DG4845, DESIGNATION: CLINTON N GPS; PID DM5654, DESIGNATION: MB020; PID DM5655, DESIGNATION: MB021; PID 5656, DESIGNATION: MB022

QUARTERLINE AND SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED AND RECORD MONUMENT VALUES.

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION.

PROJECT LOCATION (NOT TO SCALE)

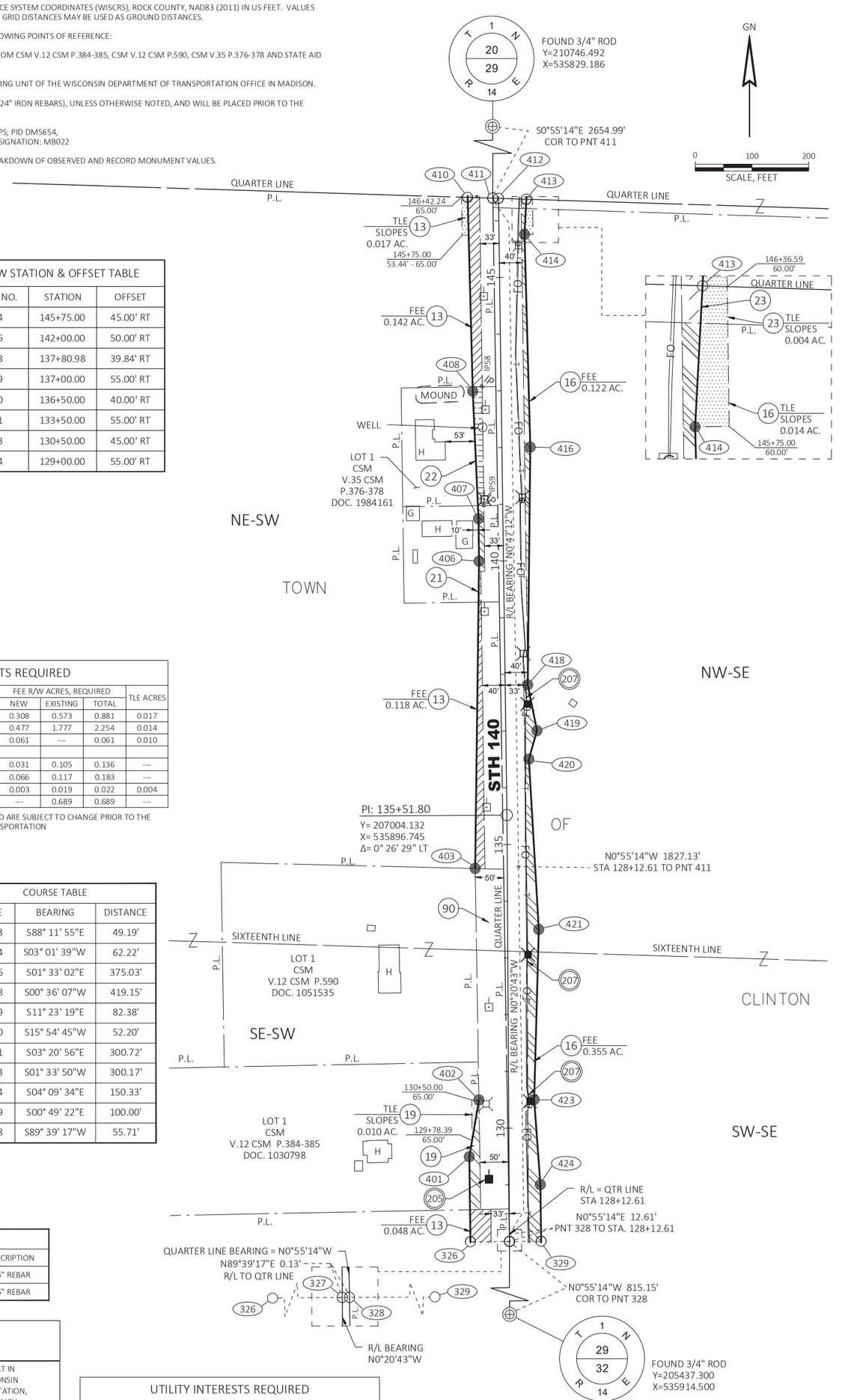


2224271
SANDY DISRUD
REGISTER OF DEEDS
ROCK COUNTY, WI
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08/04/2022 01:41 PM
REC FEE: 25.00
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PAGES: 1

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162

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3320-02-20 - 4.04



R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
326	128+00.00	68.82' LT
327	128+00.00	0.00'
328	128+00.00	0.13' RT
329	128+00.00	55.83' RT
401	129+50.00	70.00' LT
402	130+50.00	52.39' LT
403	134+58.00	56.48' LT
406	140+00.00	43.00' LT
407	140+75.00	43.00' LT
408	143+00.00	50.00' LT
410	146+41.76	54.27' LT
411	146+39.76	9.97' LT
412	146+39.31	0.00'
413	146+37.09	49.14' RT

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
414	145+75.00	45.00' RT
416	142+00.00	50.00' RT
418	137+80.98	39.84' RT
419	137+00.00	55.00' RT
420	136+50.00	40.00' RT
421	133+50.00	55.00' RT
423	130+50.00	45.00' RT
424	129+00.00	55.00' RT

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER (S)	INTEREST(S) REQUIRED	FEE R/W ACRES, REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
13	MICHAEL D LIGMAN & DIANE LIGMAN	FEE & TLE	0.308	0.573	0.881	0.017
16	COUNTY OF ROCK	FEE & TLE	0.477	1.777	2.254	0.014
19	CARLOS D AMADOR	FEE & TLE	0.061	---	0.061	0.010
21	JOHN D RINGOEN	FEE	0.031	0.105	0.136	---
22	HAROLD W JOHNSON	FEE	0.066	0.117	0.183	---
23	TOWNSHIP OF CLINTON	FEE & TLE	0.003	0.019	0.022	0.004
90	TOWN OF CLINTON AND ROCK COUNTY	FEE	---	0.689	0.689	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

COURSE TABLE		
COURSE	BEARING	DISTANCE
328-327	S89° 39' 17"W	0.13'
327-326	S89° 39' 17"W	68.82'
326-401	N00° 47' 41"W	150.01'
401-402	N09° 38' 39"E	101.54'
402-403	N00° 55' 14"W	408.02'
403-406	N00° 42' 57"E	541.75'
406-407	N00° 47' 12"W	75.00'
407-408	N02° 34' 07"W	225.11'
408-410	N01° 30' 10"W	341.79'
410-411	S88° 11' 55"E	44.35'
411-412	S88° 11' 55"E	9.98'

COURSE TABLE		
COURSE	BEARING	DISTANCE
412-413	S88° 11' 55"E	49.19'
413-414	S03° 01' 39"W	62.22'
414-416	S01° 33' 02"E	375.03'
416-418	S00° 36' 07"W	419.15'
418-419	S11° 23' 19"E	82.38'
419-420	S15° 54' 45"W	52.20'
420-421	S03° 20' 56"E	300.72'
421-423	S01° 33' 50"W	300.17'
423-424	S04° 09' 34"E	150.33'
424-329	S00° 49' 22"E	100.00'
329-328	S89° 39' 17"W	55.71'

FOUND MONUMENT TABLE			
POINT NO.	Y	X	DESCRIPTION
IP58	207759.299	535853.241	0.75" REBAR
IP59	207549.970	535855.889	0.75" REBAR

JT ENGINEERING, INC
Consultant Services

I, JAMES R. CAPPEART, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
James R. Cappeart
S-3044
Green Bay
Wis.
LAND SURVEYOR

SIGNATURE: James Cappeart DATE: 7-18-2022
PRINT NAME: JAMES R. CAPPEART
REGISTRATION NUMBER: S-3044

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION - MADISON

SIGNATURE: Cory Schlagel DATE: 8/3/2022
PRINT NAME: CORY SCHLAGEL

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
205	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS
207	BERGEN TELEPHONE COMPANY	RELEASE OF RIGHTS

(205) ROCK COUNTY ELECTRIC COOPERATIVE
V 56 P 398 DOC 594037 (BLANKET) - PARCEL 13
V 56 P 398 DOC 594037 (BLANKET) - PARCEL 19
V 56 P 398 DOC 594037 (BLANKET) - PARCEL 21
V 56 P 398 DOC 594037 (BLANKET) - PARCEL 22
V 56 P 398 DOC 594037 (BLANKET) - PARCEL 90

(207) BERGEN TELEPHONE COMPANY
NO RECORDED EASEMENT - PARCEL 16

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\3320027OR\WDW\04010 1RPD.DWG
APPRAISAL PLAT DATE : 7/18/2022
PLOT DATE : 7/18/2022 11:27 AM
PLOT BY : James Cappeart
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.05

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 13 CSM ON PAGES 163-164 AS DOCUMENT 1065203, BEING IN AND INCLUDING PART OF THE SW 1/4 OF THE NE 1/4, AND THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 30 ON PAGES 327-329 AS DOCUMENT 1777363, BEING IN AND INCLUDING PART OF THE NW 1/4 OF THE NE 1/4, AND THAT PART OF THE NE 1/4 OF THE NW 1/4 AND THE SE 1/4 OF THE NW 1/4, ALL IN SECTION 29, TOWNSHIP 1 NORTH, RANGE 14 EAST, TOWN OF CLINTON, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASE ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 140 ESTABLISHED FROM CSM V.13 CSM P.163-164 AND STATE AID PROJECT NO. 1344.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR E TIGHE RD ESTABLISHED FROM CSM V.36 P.192-194 AND QUARTERLINE.

EXISTING ACCESS CONTROL FOR STH 140 ESTABLISHED FROM DOCUMENT NO. 1600429

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS CONTROL POINT UTILIZED: PID DG4845, DESIGNATION: CLINTON N GPS; PID DM5654, DESIGNATION: MB020; PID DM5655, DESIGNATION: MB021; PID 5656, DESIGNATION: MB022

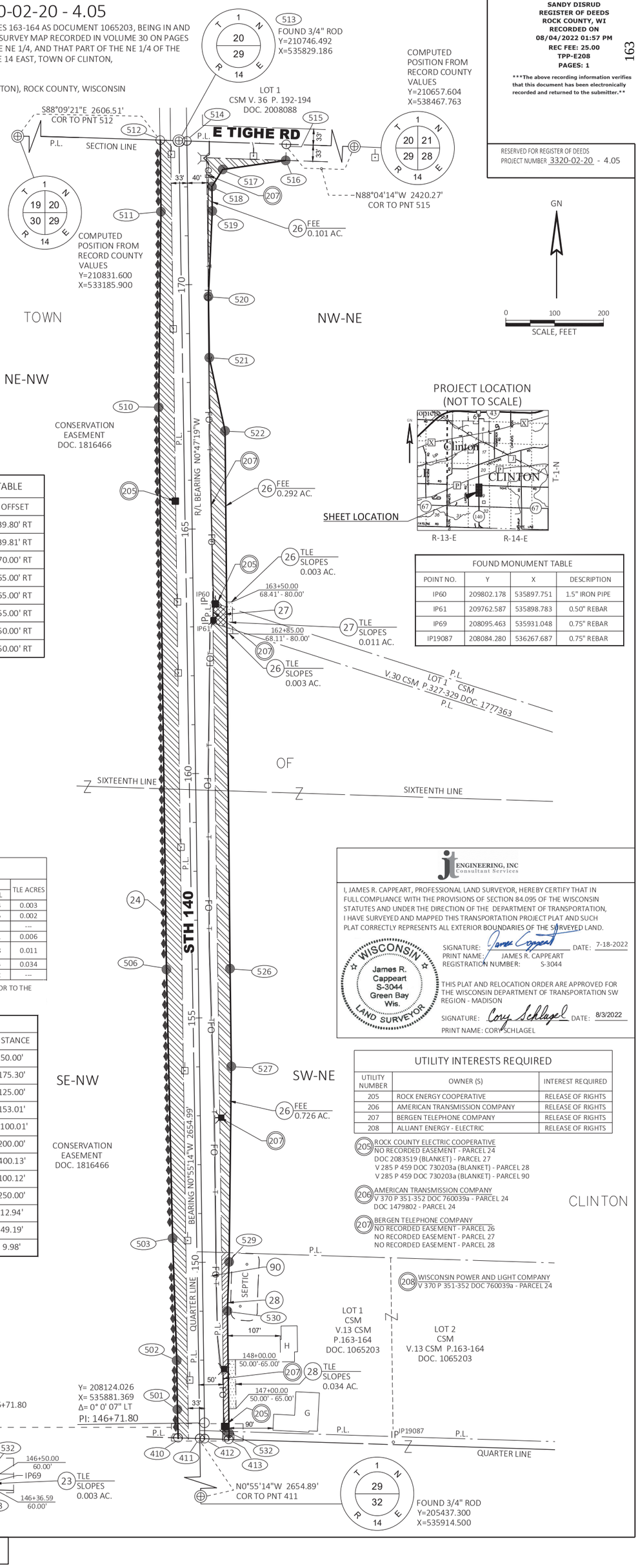
REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION.

2224272
SANDY DISRUD
REGISTER OF DEEDS
ROCK COUNTY, WI
RECORDED ON
08/04/2022 01:57 PM
REC FEE: 25.00
TPP-E208
PAGES: 1

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163

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3320-02-20 - 4.05



R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
410	146+41.76	54.27' LT
411	146+39.76	9.97' LT
412	146+39.31	0.00'
413	146+37.09	49.14' RT
501	147+00.00	55.00' LT
502	148+00.00	55.00' LT
503	150+50.00	60.00' LT
506	156+00.00	65.00' LT
510	167+50.00	65.00' LT
511	171+50.00	55.00' LT
512	172+96.49	54.19' LT
513	172+94.74	16.08' LT
514	172+93.97	0.00'
515	172+84.31	203.47' RT
516	172+51.29	201.71' RT
517	172+34.59	72.50' RT
518	172+00.00	50.00' RT
519	171+50.00	50.00' RT

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
520	169+75.00	39.80' RT
521	168+50.00	39.81' RT
522	167+00.00	70.00' RT
526	156+00.00	65.00' RT
527	154+00.00	65.00' RT
529	150+00.00	55.00' RT
530	149+00.00	50.00' RT
532	146+50.00	50.00' RT

FOUND MONUMENT TABLE			
POINT NO.	Y	X	DESCRIPTION
IP60	209802.178	535897.751	1.5" IRON PIPE
IP61	209762.587	535898.783	0.50" REBAR
IP69	208095.463	535931.048	0.75" REBAR
IP19087	208084.280	536267.687	0.75" REBAR

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST(S) REQUIRED	FEE R/W ACRES, REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
23	TOWNSHIP OF CLINTON	FEE & TLE	0.004	0.019	0.023	0.003
24	MEADOWDALE FARMS INC.	FEE & TLE	1.746	1.229	2.975	0.002
		---	---	---	---	---
26	RESTIER LLC	FEE & TLE	1.119	2.902	4.021	0.006
27	MATTHEW F LOUDENBECK & AMY L LOUDENBECK	FEE & TLE	0.028	---	0.028	0.011
28	ROBERT LEE OLESTON & SUSAN M OLESTON	FEE & TLE	0.094	---	0.094	0.034
90	TOWN OF CLINTON AND ROCK COUNTY	FEE	---	0.422	0.422	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

COURSE TABLE		
COURSE	BEARING	DISTANCE
411-410	N88° 11' 55"W	44.35'
410-501	N01° 30' 10"W	58.24'
501-502	N00° 47' 19"W	100.00'
502-503	N01° 56' 04"W	250.05'
503-506	N01° 18' 34"W	550.02'
506-510	N00° 47' 19"W	1150.00'
510-511	N00° 38' 37"E	400.12'
511-512	N00° 28' 22"W	146.49'
512-513	S88° 09' 21"E	38.15'
513-514	S88° 04' 14"E	16.10'
514-515	S88° 04' 14"E	203.70'
515-516	S02° 15' 42"W	33.07'
516-517	S81° 50' 45"W	130.29'
517-518	S32° 15' 00"W	41.26'

COURSE TABLE		
COURSE	BEARING	DISTANCE
518-519	S00° 47' 19"E	50.00'
519-520	S02° 32' 44"W	175.30'
520-521	S00° 47' 29"E	125.00'
521-522	S12° 10' 05"E	153.01'
522-526	S00° 31' 41"E	1100.01'
526-527	S00° 47' 19"E	200.00'
527-529	S00° 38' 37"W	400.13'
529-530	S02° 04' 26"W	100.12'
530-532	S00° 47' 18"E	250.00'
532-413	S03° 01' 39"W	12.94'
413-412	N88° 11' 55"W	49.19'
412-411	N88° 11' 55"W	9.98'

JT ENGINEERING, INC
Consultant Services

I, JAMES R. CAPPEART, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: James Cappeart DATE: 7-18-2022
PRINT NAME: JAMES R. CAPPEART
REGISTRATION NUMBER: S-3044

WISCONSIN James R. Cappeart S-3044 Green Bay Wis. LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION - MADISON

SIGNATURE: Cory Schlagel DATE: 8/3/2022
PRINT NAME: CORY SCHLAGEL

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
205	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS
206	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
207	BERGEN TELEPHONE COMPANY	RELEASE OF RIGHTS
208	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS

(205) ROCK COUNTY ELECTRIC COOPERATIVE
NO RECORDED EASEMENT - PARCEL 24
DOC 2083519 (BLANKET) - PARCEL 27
V 285 P 459 DOC 730203a (BLANKET) - PARCEL 28
V 285 P 459 DOC 730203a (BLANKET) - PARCEL 90

(206) AMERICAN TRANSMISSION COMPANY
V 370 P 351-352 DOC 760039a - PARCEL 24
DOC 1479802 - PARCEL 24

(207) BERGEN TELEPHONE COMPANY
NO RECORDED EASEMENT - PARCEL 26
NO RECORDED EASEMENT - PARCEL 27
NO RECORDED EASEMENT - PARCEL 28

(208) WISCONSIN POWER AND LIGHT COMPANY
V 370 P 351-352 DOC 760039a - PARCEL 24

LOT 1 CSM V.13 CSM P.163-164 DOC. 1065203

LOT 2 CSM V.13 CSM P.163-164 DOC. 1065203

PLOT SCALE : 1 IN:100 FT
PLOT NAME :
PLOT BY : James Cappeart
PLOT DATE : 7/18/2022 1:05 PM
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\3320027OR\WLDWG\040101RP000.DGN
APPRAISAL PLAT DATE : 7/18/2022

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.06

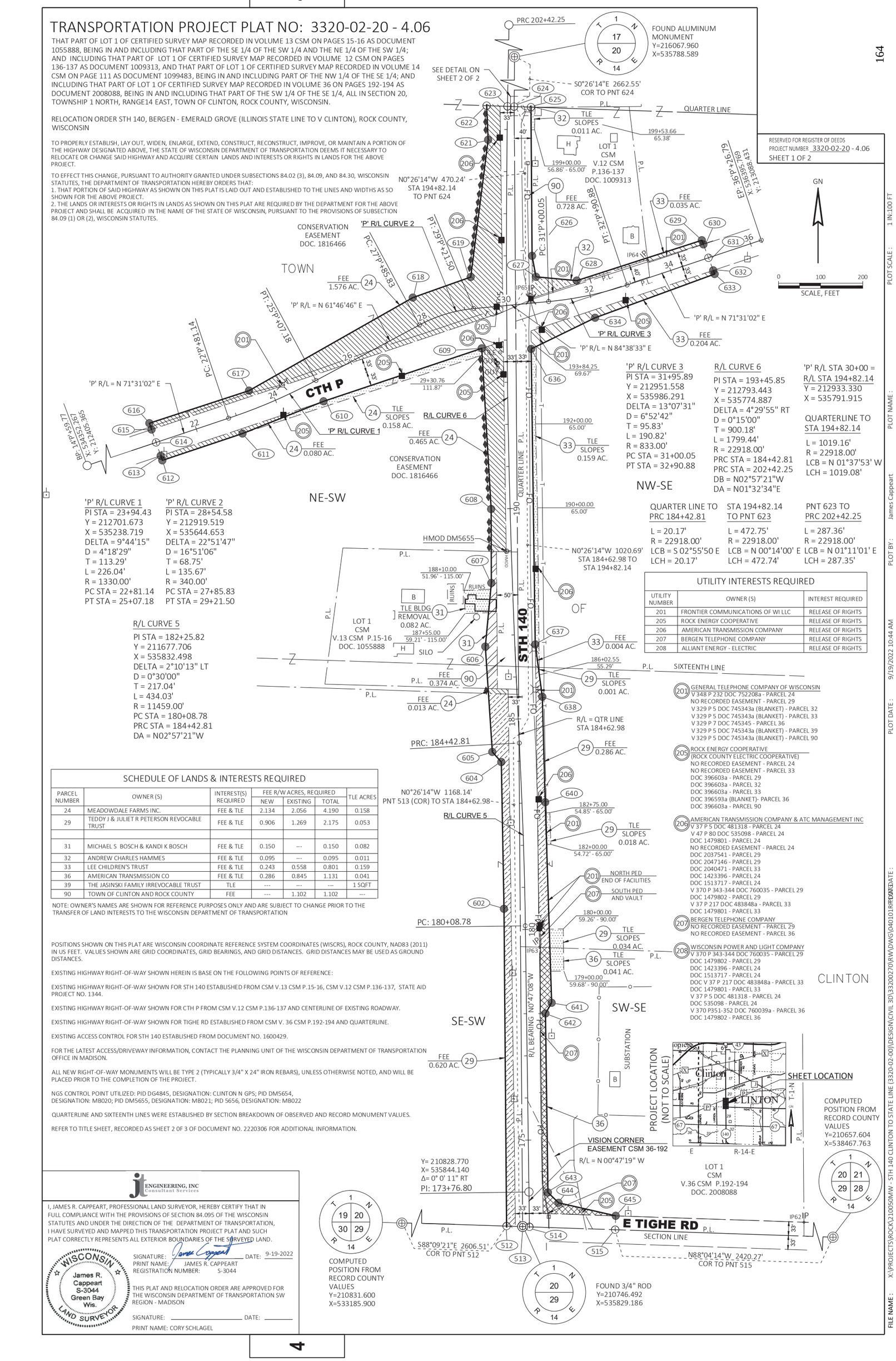
THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 13 CSM ON PAGES 15-16 AS DOCUMENT 1055888, BEING IN AND INCLUDING THAT PART OF THE SE 1/4 OF THE SW 1/4 AND THE NE 1/4 OF THE SW 1/4; AND INCLUDING THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 12 CSM ON PAGES 136-137 AS DOCUMENT 1009313, AND THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 14 CSM ON PAGE 111 AS DOCUMENT 1099483, BEING IN AND INCLUDING PART OF THE NW 1/4 OF THE SE 1/4; AND INCLUDING THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 36 ON PAGES 192-194 AS DOCUMENT 2008088, BEING IN AND INCLUDING THAT PART OF THE SW 1/4 OF THE SE 1/4, ALL IN SECTION 20, TOWNSHIP 1 NORTH, RANGE14 EAST, TOWN OF CLINTON, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3320-02-20 - 4.06
SHEET 1 OF 2



'P' R/L CURVE 1
PI STA = 23+94.43
Y = 212701.673
X = 535238.719
DELTA = 9°44'15"
D = 4°18'29"
T = 113.29'
L = 226.04'
R = 1330.00'
PC STA = 22+81.14
PT STA = 25+07.18

'P' R/L CURVE 2
PI STA = 28+54.58
Y = 212919.519
X = 535644.653
DELTA = 22°51'47"
D = 16°51'06"
T = 68.75'
L = 135.67'
R = 340.00'
PC STA = 27+85.83
PT STA = 29+21.50

R/L CURVE 5
PI STA = 182+25.82
Y = 211677.706
X = 535832.498
DELTA = 2°10'13" LT
D = 0°30'00"
T = 217.04'
L = 434.03'
R = 11459.00'
PC STA = 180+08.78
PRC STA = 184+42.81
DA = N02°57'21"W

'P' R/L CURVE 3
PI STA = 31+95.89
Y = 212951.558
X = 535986.291
DELTA = 13°07'31"
D = 6°52'42"
T = 95.83'
L = 190.82'
R = 833.00'
PC STA = 31+00.05
PT STA = 32+90.88

R/L CURVE 6
PI STA = 193+45.85
Y = 212793.443
X = 535774.887
DELTA = 4°29'55" RT
D = 0°15'00"
T = 900.18'
L = 1799.44'
R = 22918.00'
PRC STA = 184+42.81
PRC STA = 202+42.25
DB = N02°57'21"W
DA = N01°32'34"E

'P' R/L STA 30+00 = R/L STA 194+82.14
Y = 212933.330
X = 535791.915

QUARTERLINE TO STA 194+82.14
L = 1019.16'
R = 22918.00'
LCB = N 01°37'53" W
LCH = 1019.08'

QUARTER LINE TO PRC 184+42.81
L = 20.17'
R = 22918.00'
LCB = S 02°55'50 E
LCH = 20.17'

STA 194+82.14 TO PNT 623
L = 472.75'
R = 22918.00'
LCB = N 00°14'00" E
LCH = 472.74'

PNT 623 TO PRC 202+42.25
L = 287.36'
R = 22918.00'
LCB = N 01°11'01" E
LCH = 287.35'

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
205	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS
206	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
207	BERGEN TELEPHONE COMPANY	RELEASE OF RIGHTS
208	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST(S) REQUIRED	FEE R/W ACRES, REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
24	MEADOWDALE FARMS INC.	FEE & TLE	2.134	2.056	4.190	0.158
29	TEDDY J & JULIET R PETERSON REVOCABLE TRUST	FEE & TLE	0.906	1.269	2.175	0.053
31	MICHAEL S BOSCH & KANDI K BOSCH	FEE & TLE	0.150	---	0.150	0.082
32	ANDREW CHARLES HAMMES	FEE & TLE	0.095	---	0.095	0.011
33	LEE CHILDREN'S TRUST	FEE & TLE	0.243	0.558	0.801	0.159
36	AMERICAN TRANSMISSION CO	FEE & TLE	0.286	0.845	1.131	0.041
39	THE JASINSKI FAMILY IRREVOCABLE TRUST	TLE	---	---	---	1 SQFT
90	TOWN OF CLINTON AND ROCK COUNTY	FEE	---	1.102	1.102	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASE ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 140 ESTABLISHED FROM CSM V.13 CSM P.15-16, CSM V.12 CSM P.136-137, STATE AID PROJECT NO. 1344.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR CTH P FROM CSM V.12 CSM P.136-137 AND CENTERLINE OF EXISTING ROADWAY.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR TIGHE RD ESTABLISHED FROM CSM V. 36 CSM P.192-194 AND QUARTERLINE.

EXISTING ACCESS CONTROL FOR STH 140 ESTABLISHED FROM DOCUMENT NO. 1600429.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS CONTROL POINT UTILIZED: PID DG4845, DESIGNATION: CLINTON N GPS; PID DM5654, DESIGNATION: MB020; PID DM5655, DESIGNATION: MB021; PID 5656, DESIGNATION: MB022

QUARTERLINE AND SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED AND RECORD MONUMENT VALUES.

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION.

JT ENGINEERING, INC Consultant Services

I, JAMES R. CAPPEART, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN James R. Cappeart S-3044 Green Bay Wis. LAND SURVEYOR

SIGNATURE: James Cappeart DATE: 9-19-2022
PRINT NAME: JAMES R. CAPPEART
REGISTRATION NUMBER: S-3044

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION - MADISON

SIGNATURE: _____ DATE: _____
PRINT NAME: CORY SCHLAGEL

201 GENERAL TELEPHONE COMPANY OF WISCONSIN
V 348 P 232 DOC 752208a - PARCEL 24
NO RECORDED EASEMENT - PARCEL 29
V 329 P 5 DOC 745343a (BLANKET) - PARCEL 32
V 329 P 5 DOC 745343a (BLANKET) - PARCEL 33
V 329 P 7 DOC 745345 - PARCEL 36
V 329 P 5 DOC 745343a (BLANKET) - PARCEL 39
V 329 P 5 DOC 745343a (BLANKET) - PARCEL 90

205 ROCK ENERGY COOPERATIVE (ROCK COUNTY ELECTRIC COOPERATIVE)
NO RECORDED EASEMENT - PARCEL 24
NO RECORDED EASEMENT - PARCEL 33
DOC 396603a - PARCEL 29
DOC 396603a - PARCEL 32
DOC 396603a - PARCEL 33
DOC 396593a (BLANKET)- PARCEL 36
DOC 396603a - PARCEL 90

206 AMERICAN TRANSMISSION COMPANY & ATC MANAGEMENT INC
V 37 P 5 DOC 481318 - PARCEL 24
V 47 P 80 DOC 535098 - PARCEL 24
DOC 1479801 - PARCEL 24
NO RECORDED EASEMENT - PARCEL 24
DOC 2037541 - PARCEL 29
DOC 2047146 - PARCEL 29
DOC 2040471 - PARCEL 33
DOC 1423396 - PARCEL 24
DOC 1513717 - PARCEL 24
V 370 P 343-344 DOC 760035 - PARCEL 29
DOC 1479802 - PARCEL 29
V 37 P 217 DOC 483848a - PARCEL 33
DOC 1479801 - PARCEL 33

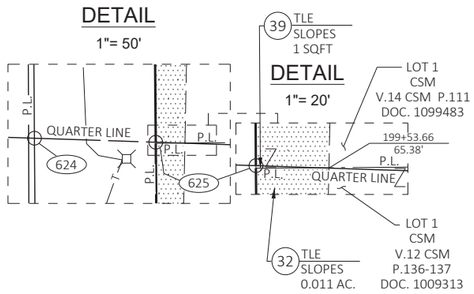
207 BERGEN TELEPHONE COMPANY
NO RECORDED EASEMENT - PARCEL 29
NO RECORDED EASEMENT - PARCEL 36

208 WISCONSIN POWER AND LIGHT COMPANY
V 370 P 343-344 DOC 760035 - PARCEL 29
DOC 1479802 - PARCEL 29
DOC 1423396 - PARCEL 24
DOC 1513717 - PARCEL 24
DOC V 37 P 217 DOC 483848a - PARCEL 33
DOC 1479801 - PARCEL 33
V 37 P 5 DOC 481318 - PARCEL 24
DOC 535098 - PARCEL 24
V 370 P351-352 DOC 760039a - PARCEL 36
DOC 1479802 - PARCEL 36

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\3320027OR\WDW\DWG\040101RP000.DGN
APPRAISAL PLAT DATE : 9/19/2022
PLOT DATE : 9/19/2022 10:44 AM
PLOT BY : James Cappeart
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.06
EXTENSION SHEET

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN



R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
512	172+96.49	54.19' LT
513	172+94.74	16.08' LT
514	172+93.97	0.00'
515	172+84.31	203.47' RT
602	180+50.00	50.00' LT
604	184+00.00	45.00' LT
605	184+25.00	65.00' LT
606	186+75.00	70.00' LT
607	188+25.00	50.00' LT
608	190+00.00	45.00' LT
609	193+80.96	60.00' LT
610	25'P'+00.00	52.10' RT
611	23'P'+00.00	45.00' RT
612	21'P'+00.00	45.00' RT
613	20'P'+99.83	33.53' RT
614	20'P'+99.33	0.00'
615	20'P'+98.85	32.47' LT
616	20'P'+98.61	48.38' LT
617	23'P'+50.00	45.00' LT
618	28'P'+00.00	65.00' LT
619	195+50.00	85.00' LT
621	198+75.00	45.00' LT

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
622	199+55.82	49.50' LT
623	199+54.89	0.00'
624	199+54.60	15.72' RT
625	199+53.84	55.75' RT
626	196+00.00	60.78' RT
627	195+50.00	70.00' RT
628	31'P'+75.00	40.00' LT
629	34'P'+92.91	44.50' LT
630	34'P'+93.32	34.04' LT
631	34'P'+94.67	0.00'
632	34'P'+95.93	31.97' RT
633	34'P'+96.29	41.14' RT
634	32'P'+00.00	55.00' RT
636	193+78.35	57.25' RT
637	186+75.00	48.59' RT
638	185+50.00	60.00' RT
640	183+00.00	55.00' RT
641	178+25.00	60.00' RT
642	178+00.00	45.00' RT
643	173+75.00	45.00' RT
644	173+50.00	70.00' RT
645	173+17.27	205.23' RT

COURSE TABLE		
COURSE	BEARING	DISTANCE
513-512	N88° 09' 21"W	38.15'
512-602	N00° 28' 22"W	753.35'
602-604	N01° 02' 42"W	348.57'
604-605	N41° 35' 55"W	31.92'
605-606	N03° 49' 34"W	250.63'
606-607	N05° 23' 10"E	151.72'
607-608	N00° 08' 51"W	175.43'
608-609	N03° 20' 11"W	382.12'
609-610	S71° 30' 13"W	395.97'
610-611	S68° 21' 16"W	207.23'
611-612	S71° 28' 40"W	200.64'
612-613	N19° 19' 58"W	11.48'
613-614	N19° 19' 58"W	33.53'
614-615	N19° 19' 58"W	32.48'
615-616	N19° 19' 58"W	15.90'
616-617	N71° 53' 53"E	249.03'
617-618	N60° 24' 37"E	447.16'
618-619	N70° 25' 58"E	145.99'
619-621	N07° 12' 55"E	328.36'
621-622	N02° 27' 20"W	81.11'
622-623	S88° 05' 55"E	49.51'
623-624	S88° 05' 55"E	15.72'

COURSE TABLE		
COURSE	BEARING	DISTANCE
624-625	S88° 05' 55"E	40.03'
625-626	S00° 26' 14"E	352.98'
626-627	S10° 36' 25"E	50.70'
627-628	S84° 38' 46"E	97.27'
628-629	N72° 05' 50"E	312.01'
629-630	S20° 44' 44"E	10.47'
630-631	S20° 44' 44"E	34.06'
631-632	S20° 44' 44"E	32.00'
632-633	S20° 44' 44"E	9.17'
633-634	S69° 53' 23"W	302.22'
634-636	S64° 00' 27"W	168.94'
636-637	S00° 47' 19"E	701.75'
637-638	S07° 45' 36"E	125.22'
638-640	S01° 33' 01"E	250.48'
640-641	S01° 50' 03"E	476.45'
641-642	S30° 10' 41"W	29.15'
642-643	S00° 47' 08"E	425.00'
643-644	S45° 47' 19"E	35.36'
644-645	S77° 11' 00"E	139.13'
645-515	S02° 15' 42"W	33.01'
515-514	N88° 04' 14"W	203.70'
514-513	N88° 04' 14"W	16.10'

4

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83(2011), IN U.S. SURVEY FEET, VALUES SHOWN ARE IN GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND MONUMENT TABLE			
POINT NO.	Y	X	DESCRIPTION
IP62	210756.887	536497.145	PLASTIC CAPPED REBAR
IP63	211409.641	535869.105	PLASTIC CAPPED REBAR
IP64	213041.485	536126.073	0.75" REBAR
IP65	212958.704	535846.477	0.5" REBAR
DM5655	212349.988	535790.901	HMOD DM5655

PROJECT NUMBER 3320-02-20 - 4.06
SHEET 2 OF 2

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\RW\DWG\040101RP.DWG PLOT DATE : 9/19/2022 10:58 AM PLOT BY : JAMES CAPPEART PLOT NAME : PLOT SCALE : N/A

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.07

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 14 CSM ON PAGE 111 AS DOCUMENT 1099483, BEING IN AND INCLUDING THAT PART OF THE SW 1/4 OF THE NE 1/4; AND INCLUDING THAT PART OF THE SE 1/4 OF THE NW 1/4, THE NE 1/4 OF THE NW 1/4 AND THE NW 1/4 OF THE NE 1/4, ALL IN SECTION 20, TOWNSHIP 1 NORTH, RANGE 14 EAST, TOWN OF CLINTON, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASE ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 140 ESTABLISHED FROM CSM V.14 CSM P.111 AND STATE AID PROJECT NO. 1344.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR EAST LAKESHORE ROAD ESTABLISHED FROM CENTERLINE OF EXISTING ROADWAY.

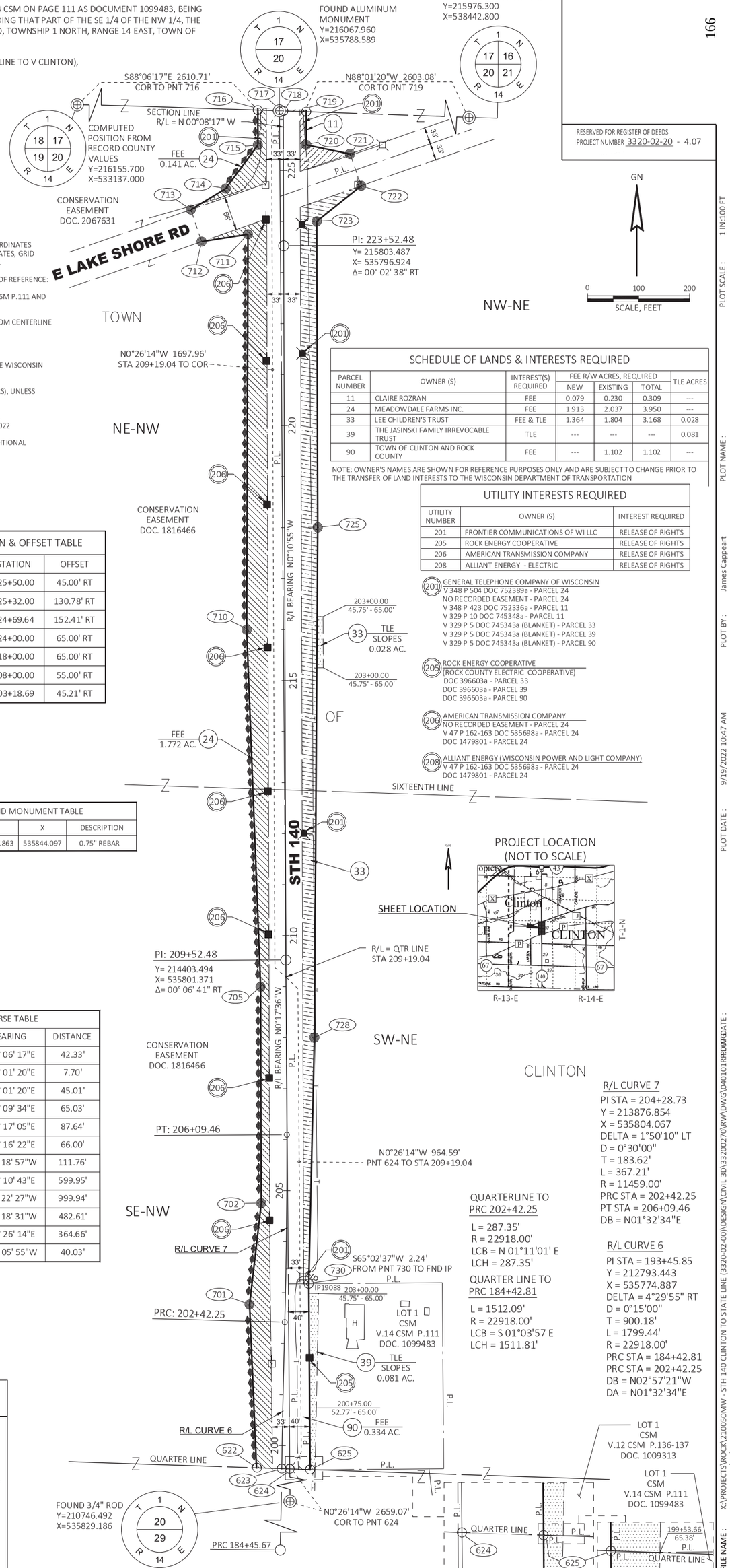
EXISTING ACCESS CONTROL FOR STH 140 ESTABLISHED FROM DOCUMENT NO. 1600429.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS CONTROL POINT UTILIZED: PID DG4845, DESIGNATION: CLINTON N GPS; PID DM5654, DESIGNATION: MB020; PID DM5655, DESIGNATION: MB021; PID 5656, DESIGNATION: MB022

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION.



RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3320-02-20 - 4.07

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST(S) REQUIRED	FEE R/W ACRES, REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
11	CLAIRE ROZRAN	FEE	0.079	0.230	0.309	---
24	MEADOWDALE FARMS INC.	FEE	1.913	2.037	3.950	---
33	LEE CHILDREN'S TRUST	FEE & TLE	1.364	1.804	3.168	0.028
39	THE JASINSKI FAMILY IRREVOCABLE TRUST	TLE	---	---	---	0.081
90	TOWN OF CLINTON AND ROCK COUNTY	FEE	---	1.102	1.102	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
205	ROCK ENERGY COOPERATIVE	RELEASE OF RIGHTS
206	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
208	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS

201 GENERAL TELEPHONE COMPANY OF WISCONSIN
V 348 P 504 DOC 752389a - PARCEL 24
NO RECORDED EASEMENT - PARCEL 24
V 348 P 423 DOC 752336a - PARCEL 11
V 329 P 10 DOC 745348a - PARCEL 11
V 348 P 423 DOC 752336a (BLANKET) - PARCEL 33
V 329 P 5 DOC 745343a (BLANKET) - PARCEL 39
V 329 P 5 DOC 745343a (BLANKET) - PARCEL 90

R/W STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
622	199+55.82	49.50' LT
623	199+54.89	0.00'
624	199+54.60	15.72' RT
625	199+53.84	55.75' RT
701	202+75.00	70.00' LT
702	204+75.00	50.00' LT
705	209+00.00	50.00' LT
710	216+00.00	75.00' LT
711	223+75.00	70.00' LT
712	223+60.94	160.88' LT
713	224+23.60	181.65' LT
714	224+64.76	113.35' LT
715	225+50.00	50.00' LT
716	226+18.48	50.00' LT
717	226+16.98	7.70' LT
718	226+16.69	0.00'
719	226+15.03	44.98' RT

R/W STATION & OFFSET TABLE

POINT NO.	STATION	OFFSET
720	225+50.00	45.00' RT
721	225+32.00	130.78' RT
722	224+69.64	152.41' RT
723	224+00.00	65.00' RT
725	218+00.00	65.00' RT
728	208+00.00	55.00' RT
730	203+18.69	45.21' RT

FOUND MONUMENT TABLE

POINT NO.	Y	X	DESCRIPTION
IP19088	213767.863	535844.097	0.75" REBAR

COURSE TABLE

COURSE	BEARING	DISTANCE
624-623	N88° 05' 55"W	15.72'
623-622	N88° 05' 55"W	49.51'
622-701	N02° 27' 20"W	320.37'
701-702	N06° 37' 10"E	199.95'
702-705	N00° 11' 14"W	424.41'
705-710	N02° 14' 08"W	700.55'
710-711	N00° 11' 20"E	775.07'
711-712	S81° 04' 14"W	91.96'
712-713	N18° 28' 48"W	66.01'
713-714	N58° 47' 10"E	79.75'
714-715	N36° 28' 57"E	106.20'
715-716	N00° 08' 17"W	68.48'

COURSE TABLE

COURSE	BEARING	DISTANCE
716-717	S88° 06' 17"E	42.33'
717-718	S88° 01' 20"E	7.70'
718-719	S88° 01' 20"E	45.01'
719-720	S00° 09' 34"E	65.03'
720-721	S78° 17' 05"E	87.64'
721-722	S19° 16' 22"E	66.00'
722-723	S51° 18' 57"W	111.76'
723-725	S00° 10' 43"E	599.95'
725-728	S00° 22' 27"W	999.94'
728-730	S01° 18' 31"W	482.61'
730-625	S00° 26' 14"E	364.66'
625-624	N88° 05' 55"W	40.03'

JJ ENGINEERING, INC
Consultant Services

I, JAMES R. CAPPEART, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN James R. Cappeart S-3044 Green Bay Wis. LAND SURVEYOR

SIGNATURE: James Cappeart DATE: 9-19-2022
PRINT NAME: JAMES R. CAPPEART
REGISTRATION NUMBER: S-3044

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION - MADISON

SIGNATURE: _____ DATE: _____
PRINT NAME: CORY SCHLAGEL

PLOT SCALE : 1 IN:100 FT
PLOT NAME :
PLOT BY : James Cappeart
PLOT DATE : 9/19/2022 10:47 AM
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\3320027OR\WDW\04010 1RP000.DWG
APPRAISAL PLAT DATE : 9/19/2022

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.08

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 12 CSM ON PAGE 336 AS DOCUMENT 1025652, BEING IN AND INCLUDING PART OF THE SE 1/4 OF THE SW 1/4, AND INCLUDING THAT PART OF THE NE 1/4 OF THE SW 1/4, THE NW 1/4 OF THE SE 1/4, AND THE SW 1/4 OF THE SE 1/4, ALL IN SECTION 17, TOWNSHIP 1 NORTH, RANGE 14 EAST, TOWN OF CLINTON, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASE ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 140 ESTABLISHED FROM CSM 12-336 AND STATE AID PROJECT NO. 1344.

EXISTING ACCESS CONTROL FOR STH 140 ESTABLISHED FROM DOCUMENT NO. 1600429.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS CONTROL POINT UTILIZED: PID DG4845, DESIGNATION: CLINTON N GPS; PID DM5654, DESIGNATION: MB020; PID DM5655, DESIGNATION: MB021; PID 5656, DESIGNATION: MB022

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION.

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
716	226+18.48	50.00' LT
717	226+16.98	7.70' LT
718	226+16.69	0.00'
719	226+15.03	44.98' RT
803	232+20.07	49.77' LT
804	232+20.09	56.78' LT
805	236+35.59	55.87' LT
806	236+75.00	65.00' LT
807	239+50.00	50.00' LT
808	241+00.00	55.00' LT
809	243+50.00	50.00' LT
810	245+00.00	65.00' LT
811	247+25.00	60.00' LT
812	248+75.00	45.00' LT
813	250+00.00	45.00' LT

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
814	251+00.00	55.00' LT
815	252+73.28	55.00' LT
816	252+71.27	2.31' LT
817	252+71.18	0.00'
818	252+69.22	51.34' RT
819	251+00.00	45.00' RT
820	242+50.00	45.00' RT
824	234+74.98	70.00' RT
825	232+50.00	45.00' RT

SCHEDULE OF LANDS & INTERESTS REQUIRED

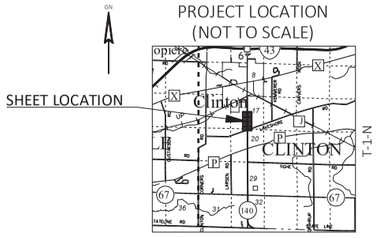
PARCEL NUMBER	OWNER (S)	INTEREST(S) REQUIRED	FEE R/W ACRES, REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
11	CLAIRE ROZRAN	FEE & TLE	1.050	2.305	3.355	0.043
24	MEADOWDALE FARMS INC.	FEE	0.402	0.560	0.962	---
41	TAYLOR W EDEN	TLE	---	---	---	0.013
42	RYAN ROEHL	FEE	0.291	1.022	1.313	---
43	DAVID W LANGREHR & SHERYL L LANGREHR	FEE	0.042	0.179	0.221	---
90	TOWN OF CLINTON AND ROCK COUNTY	FEE	---	0.477	0.477	---

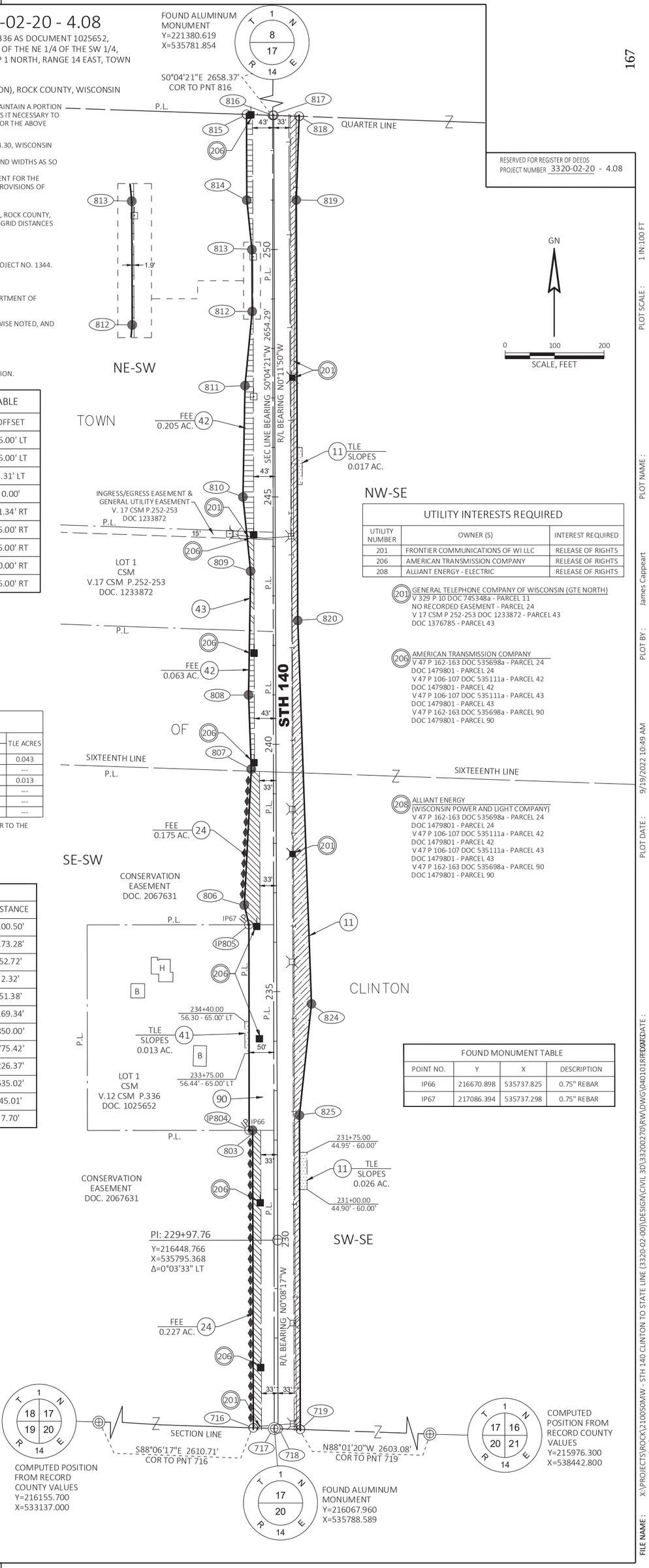
NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

COURSE TABLE		
COURSE	BEARING	DISTANCE
717-716	N88° 06' 17"W	42.33'
716-803	N00° 08' 17"W	601.55'
803-804	S89° 57' 11"W	7.01'
804-805	N00° 04' 21"W	415.50'
805-806	N13° 14' 06"W	40.45'
806-807	N02° 55' 29"E	275.41'
807-808	N02° 06' 23"W	150.08'
808-809	N00° 56' 54"E	250.05'
809-810	N05° 54' 29"W	150.75'
810-811	N01° 04' 32"E	225.06'
811-812	N05° 30' 48"E	150.75'
812-813	N00° 11' 50"W	125.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
813-814	N05° 54' 29"W	100.50'
814-815	N00° 11' 50"W	173.28'
815-816	S88° 00' 25"E	52.72'
816-817	S88° 00' 25"E	2.32'
817-818	S88° 00' 25"E	51.38'
818-819	S01° 56' 53"W	169.34'
819-820	S00° 11' 50"E	850.00'
820-824	S02° 02' 42"E	775.42'
824-825	S06° 08' 36"W	226.37'
825-719	S00° 09' 34"E	635.02'
719-718	N88° 01' 20"W	45.01'
718-717	N88° 01' 20"W	7.70'

PROJECT LOCATION
(NOT TO SCALE)





UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
206	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
208	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS

201 GENERAL TELEPHONE COMPANY OF WISCONSIN (GTE NORTH)
V 329 P 10 DOC 745348a - PARCEL 11
NO RECORDED EASEMENT - PARCEL 24
V 17 CSM P 252-253 DOC 1233872 - PARCEL 43
DOC 1376785 - PARCEL 43

206 AMERICAN TRANSMISSION COMPANY
V 47 P 162-163 DOC 535698a - PARCEL 24
DOC 1479801 - PARCEL 24
V 47 P 106-107 DOC 535111a - PARCEL 42
DOC 1479801 - PARCEL 42
V 47 P 106-107 DOC 535111a - PARCEL 43
DOC 1479801 - PARCEL 43
V 47 P 162-163 DOC 535698a - PARCEL 90
DOC 1479801 - PARCEL 90

208 ALLIANT ENERGY
(WISCONSIN POWER AND LIGHT COMPANY)
V 47 P 162-163 DOC 535698a - PARCEL 24
DOC 1479801 - PARCEL 24
V 47 P 106-107 DOC 535111a - PARCEL 42
DOC 1479801 - PARCEL 42
V 47 P 106-107 DOC 535111a - PARCEL 43
DOC 1479801 - PARCEL 43
V 47 P 162-163 DOC 535698a - PARCEL 90
DOC 1479801 - PARCEL 90

FOUND MONUMENT TABLE			
POINT NO.	Y	X	DESCRIPTION
IP66	216670.898	535737.825	0.75" REBAR
IP67	217086.394	535737.298	0.75" REBAR

JT ENGINEERING, INC
Consultant Services

I, JAMES R. CAPPEART, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN James R. Cappeart S-3044 Green Bay Wis. LAND SURVEYOR

SIGNATURE: _____ DATE: 9-19-2022
PRINT NAME: JAMES R. CAPPEART
REGISTRATION NUMBER: S-3044

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION - MADISON

SIGNATURE: _____ DATE: _____
PRINT NAME: CORY SCHLAGEL

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\3320270\RW\DWG\040101RPP01.DWG
APPRAISAL PLAT DATE : 9/19/2022
PLOT DATE : 9/19/2022 10:49 AM
PLOT BY : James Cappeart
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

TRANSPORTATION PROJECT PLAT NO: 3320-02-20 - 4.09

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 30 CSM ON PAGES 291-293 AS DOCUMENT 1774358, BEING IN AND INCLUDING PART OF THE NE 1/4 OF THE NW 1/4, AND INCLUDING THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 22 CSM ON PAGES 352-354 AS DOCUMENT 1428857, BEING IN AND INCLUDING PART OF THE SW 1/4 OF THE NE 1/4, AND THAT PART OF THE SE 1/4 OF THE NW 1/4, ALL IN SECTION 17, TOWNSHIP 1 NORTH, RANGE 14 EAST, VILLAGE OF CLINTON, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER STH 140, BERGEN - EMERALD GROVE (ILLINOIS STATE LINE TO V CLINTON), ROCK COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASE ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN FOR STH 140 ESTABLISHED FROM CSM V.22 CSM P.352-354, CSM V. 30 CSM P.291-293, CSM V.7 CSM P.40, CSM V.41 CSM P.245-250, STATE AID PROJECT NO. 1344 AND DIVISION JOB 1804.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

EXISTING ACCESS CONTROL FOR STH 140 ESTABLISHED FROM CSM V.22 CSM P.352-354.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

NGS CONTROL POINT UTILIZED: PID DG4845, DESIGNATION: CLINTON N GPS; PID DM5654, DESIGNATION: MB020; PID DM5655, DESIGNATION: MB021; PID 5656, DESIGNATION: MB022

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED AND RECORD MONUMENT VALUES.

REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 3 OF DOCUMENT NO. 2220306 FOR ADDITIONAL INFORMATION.

FOUND ALUMINUM MONUMENT
Y=221380.619
X=535781.854

COMPUTED POSITION FROM RECORD COUNTY VALUES
Y=221283.897
X=538424.248

COMPUTED POSITION FROM RECORD COUNTY VALUES
Y=221469.200
X=533143.500

N87°54'13"W 2644.16'
COR TO COR

S88°04'37"E 2639.84'
COR TO COR

SECTION LINE

UNION PACIFIC RR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3320-02-20 - 4.09

GN

0 100 200
SCALE, FEET

LOT 1
CSM
V.41 CSM P.245-250
DOC. 2196943

VISION CORNER EASEMENT
CSM 7-40

LOT 2
CSM
V.41 CSM P.245-250
DOC. 2196943

S0°04'21"E 654.64'
COR TO PNT 914

PROJECT LOCATION
(NOT TO SCALE)

SHEET LOCATION

R-13-E R-14-E

EP: 272+97.82
Y = 220748.802
X = 535782.370

NW-NE

NE-NW

VILLAGE OF CLINTON

HMOD DM5656

TLE SLOPES 0.019 AC.

FEE 0.246 AC.

FEE 0.774 AC.

QUARTER LINE

R/L BEARING N0°06'15"W

N0°04'21"W 495.09
STA. 267+79.91 TO PNT 914

LOT 3
CSM
V.41 CSM P.245-250
DOC. 2196943

LOT 1
CSM
V.30 CSM P.291-293
DOC. 1774358

R/L = QTR LINE
STA 267+79.91

SIXTEENTH LINE

STH 140

PI: 261+83.24
Y=219634.225
X=535784.397
Δ= 0° 5' 35" RT

EXISTING BOX CULVERT
TWIN CPRC CLASS III PROPOSED

FEE 0.234 AC.

SW-NE

SE-NW

N0°04'21"W 1508.64
PNT 816 TO STA. 267+79.91

SHED

TLE SLOPES 0.018 AC.

LOT 1
CSM
V.22 CSM P.352-354
DOC. 1428857

FEE 0.408 AC.

EXISTING BOX CULVERT
TWIN CPRC CLASS III PROPOSED

FEE 0.198 AC.

R/L BEARING N0°11'50"W

QUARTER LINE

N0°04'21"W 2654.29'
COR TO PNT 816

FOUND ALUMINUM MONUMENT
Y=216067.960
X=535788.589

CLINTON

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
815	252+73.28	55.00' LT
816	252+71.27	2.31' LT
817	252+71.18	0.00'
818	252+69.22	51.34' RT
901	253+00.00	55.00' LT
902	255+75.00	65.00' LT
903	258+00.00	50.00' LT
905	261+75.00	65.00' LT
907	263+75.00	50.00' LT
909	267+25.00	60.00' LT
912	272+75.00	34.25' LT
913	272+75.00	0.00'
914	272+75.00	0.27' RT
915	272+75.00	50.27' RT
917	265+98.46	49.90' RT

R/W STATION & OFFSET TABLE		
POINT NO.	STATION	OFFSET
919	265+00.00	50.00' RT
920	264+00.00	40.00' RT
921	262+50.00	40.00' RT
922	261+75.00	70.00' RT
923	259+90.26	49.63' RT
924	257+50.00	49.17' RT
925	256+00.00	60.00' RT
926	255+00.39	60.00' RT

FOUND MONUMENT TABLE			
POINT NO.	Y	X	DESCRIPTION
IP75	220944.123	535832.557	0.75" REBAR
IP77	217086.394	535737.298	0.75" REBAR
IP78	220172.417	535733.502	0.5" REBAR
IP910	220387.447	535733.253	0.75" REBAR
IP917	220049.535	535833.542	0.75" REBAR
DM5656	220469.000	535749.000	HMOD DM5656

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	FEE R/W ACRES, REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
11	CLAIRE ROZRAN	FEE	0.432	0.747	1.179	---
44	ROBERT E & YVONNE J GRETSCHMANN REVOCABLE TRUST	FEE	0.810	1.067	1.877	---
46	PAUL A. GRETSCHMANN	FEE	0.028	---	0.028	---
47	SCOT FORGE CO	FEE & TLE	0.063	0.267	0.330	0.019
48	UNKNOWN	FEE	0.006	0.012	0.018	---
51	REBECCA S WEHRWEIN	FEE & TLE	0.013	---	0.013	0.018
90	TOWN OF CLINTON AND ROCK COUNTY	FEE	---	1.428	1.428	---

NOTE: OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION

COURSE TABLE		
COURSE	BEARING	DISTANCE
816-815	N88° 00' 25"W	52.72'
815-901	N00° 11' 50"W	26.72'
901-902	N02° 16' 48"W	275.18'
902-903	N03° 37' 00"E	225.50'
903-905	N02° 29' 17"W	375.30'
905-907	N04° 10' 44"E	200.67'
907-909	N01° 44' 27"W	350.14'
909-912	N02° 34' 35"E	550.60'
912-913	N89° 53' 45"E	34.25'
913-914	N89° 53' 45"E	0.27'
914-915	N89° 53' 45"E	50.00'
915-917	S00° 04' 21"E	676.54'

COURSE TABLE		
COURSE	BEARING	DISTANCE
917-919	S00° 09' 44"E	98.46'
919-920	S05° 36' 23"W	100.50'
920-921	S00° 06' 15"E	150.00'
921-922	S21° 56' 40"E	80.68'
922-923	S06° 05' 41"W	185.86'
923-924	S00° 05' 18"E	240.26'
924-925	S04° 19' 31"E	150.39'
925-926	S00° 11' 50"E	99.61'
926-818	S01° 56' 53"W	231.33'
818-817	N88° 00' 25"W	51.38'
817-816	N88° 00' 25"W	2.32'

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
201	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
204	WE ENERGIES (GAS)	RELEASE OF RIGHTS
206	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
208	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS

201 GENERAL TELEPHONE COMPANY OF WISCONSIN
V 329 P 10 DOC 745348a - PARCEL 11
V 329 P 10 DOC 745348a - PARCEL 48
V 329 P 10 DOC 745348a - PARCEL 51
V 329 P 6 DOC 745344a - PARCEL 90
V 329 P 10 DOC 745348a - PARCEL 90

204 WE ENERGIES (GAS)
NO RECORDED EASEMENT - PARCEL 11

206 AMERICAN TRANSMISSION COMPANY
V 128 P 335-336 DOC 675372a - PARCEL 44
DOC 1479801 - PARCEL 44
V 128 P 335-336 DOC 675372a - PARCEL 46
DOC 1479801 - PARCEL 46
V 128 P 335-336 DOC 675372a - PARCEL 47
DOC 1479801 - PARCEL 47
V 47 P 82-83 DOC 535099a - PARCEL 48
DOC 1479801 - PARCEL 48
V 128 P 335-336 DOC 675372a - PARCEL 90
DOC 1479801 - PARCEL 90

208 WISCONSIN POWER AND LIGHT COMPANY
V 128 P 335-336 DOC 675372a - PARCEL 44
DOC 1479801 - PARCEL 44
V 128 P 335-336 DOC 675372a - PARCEL 46
DOC 1479801 - PARCEL 46
V 128 P 335-336 DOC 675372a - PARCEL 47
DOC 1479801 - PARCEL 47
V 47 P 82-83 DOC 535099a - PARCEL 48
DOC 1479801 - PARCEL 48
V 128 P 335-336 DOC 675372a - PARCEL 90
DOC 1479801 - PARCEL 90

JT ENGINEERING, INC
Consultant Services

I, JAMES R. CAPPEART, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

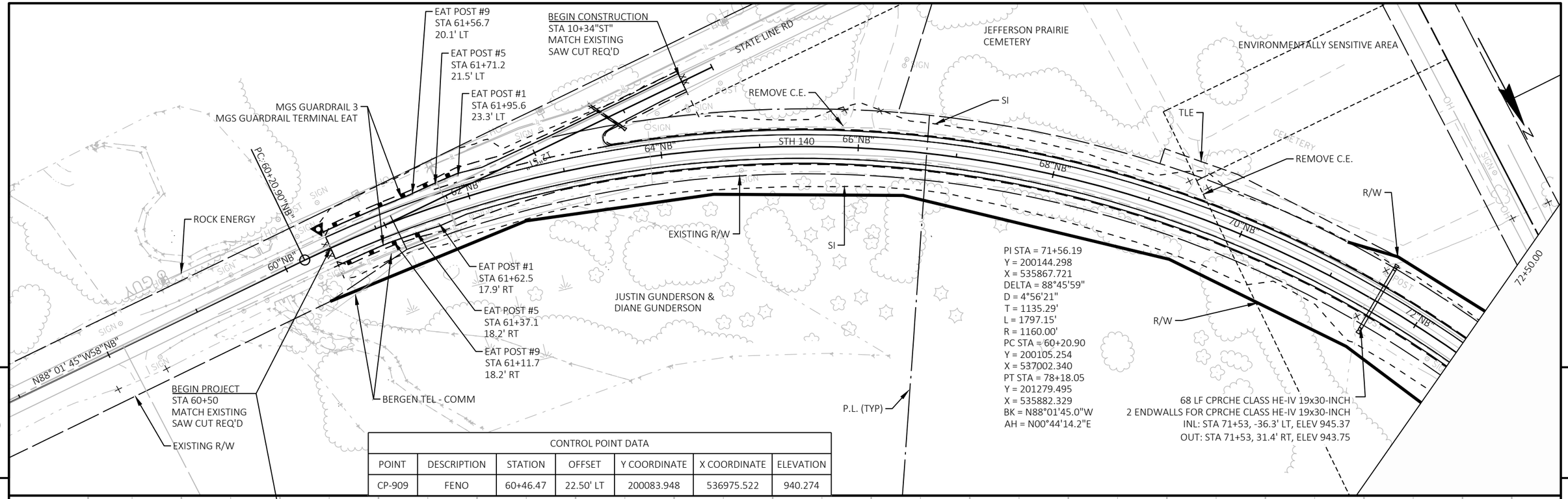
WISCONSIN James R. Cappeart S-3044 Green Bay Wis. LAND SURVEYOR

SIGNATURE: _____ DATE: 9-19-2022
PRINT NAME: JAMES R. CAPPEART
REGISTRATION NUMBER: S-3044

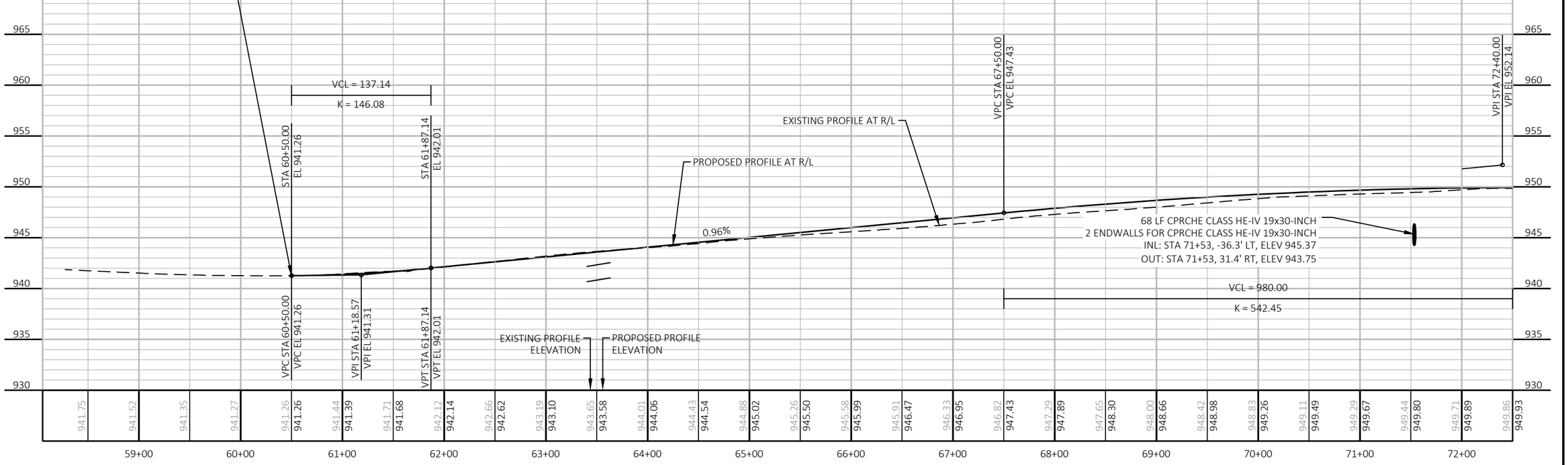
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SW REGION - MADISON

SIGNATURE: _____ DATE: _____
PRINT NAME: CORY SCHLAGEL

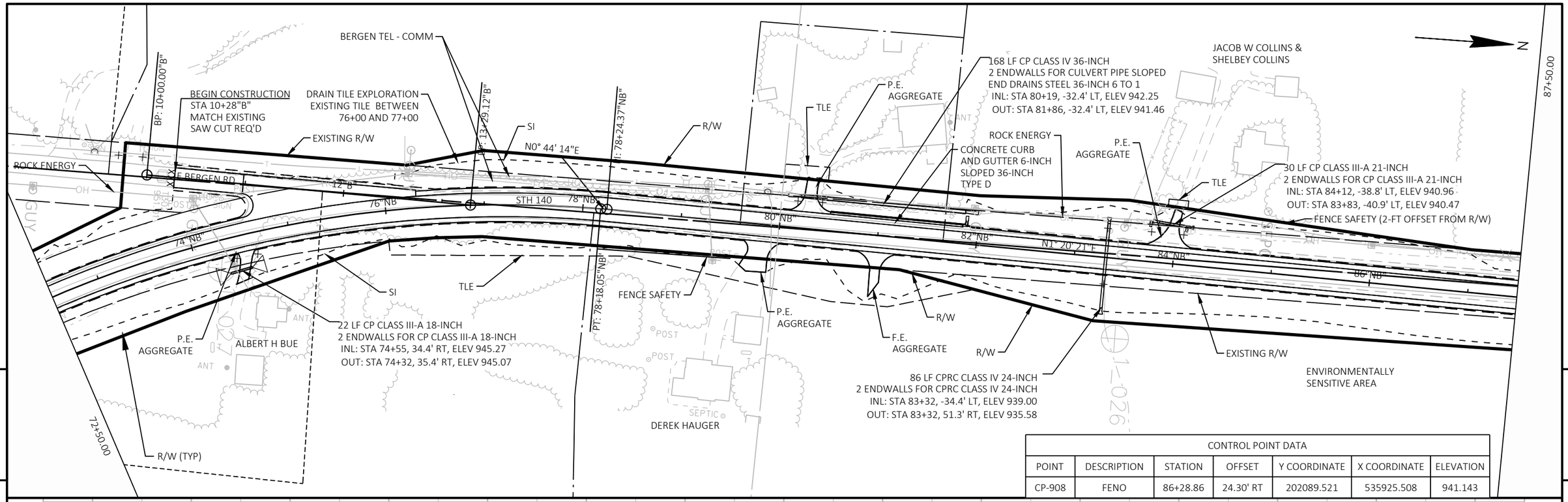
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\3320027OR\WLDWG\040101RPP.DWG
APPRAISAL PLAT DATE : 9/19/2022
PLOT DATE : 9/19/2022 10:53 AM
PLOT BY : James Cappeart
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



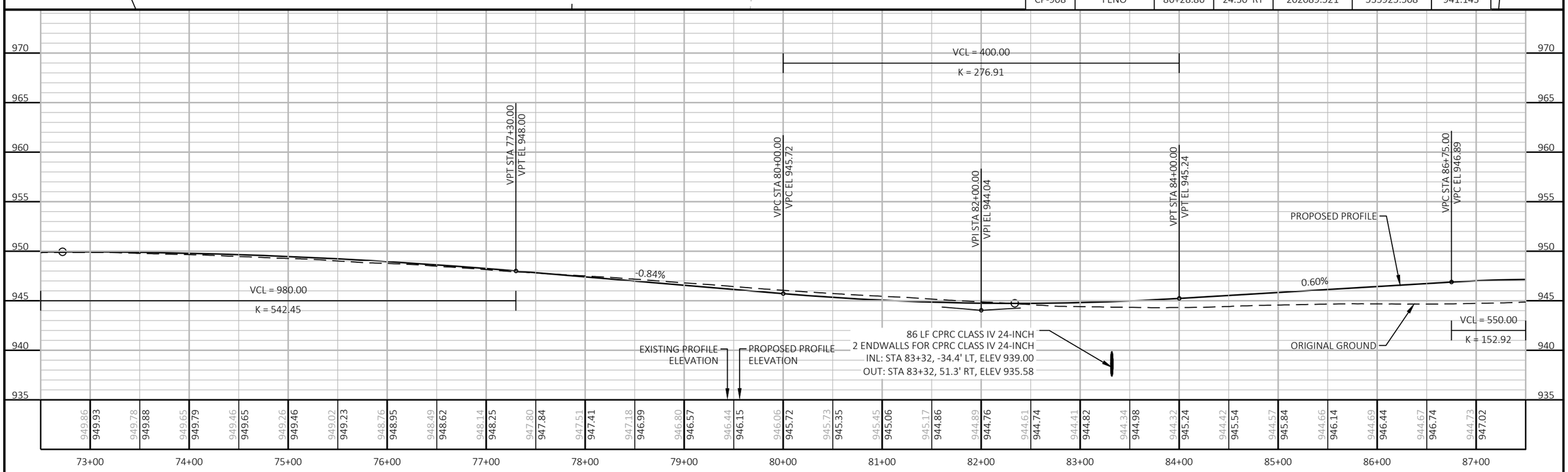
CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-909	FENO	60+46.47	22.50' LT	200083.948	536975.522	940.274



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 169	E

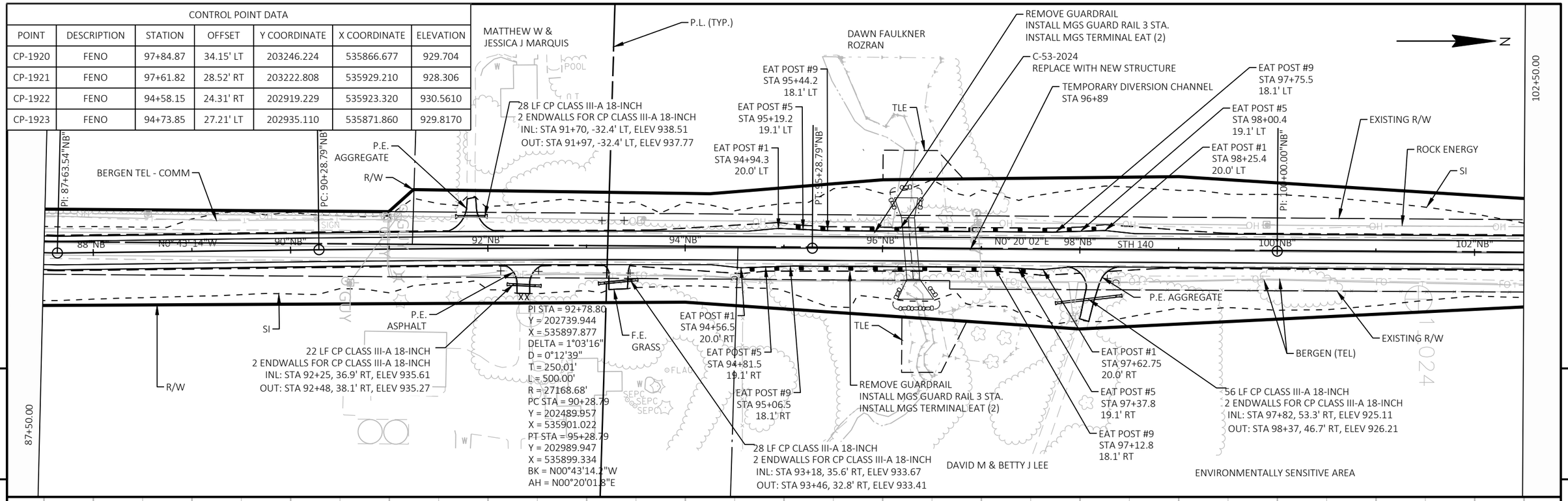


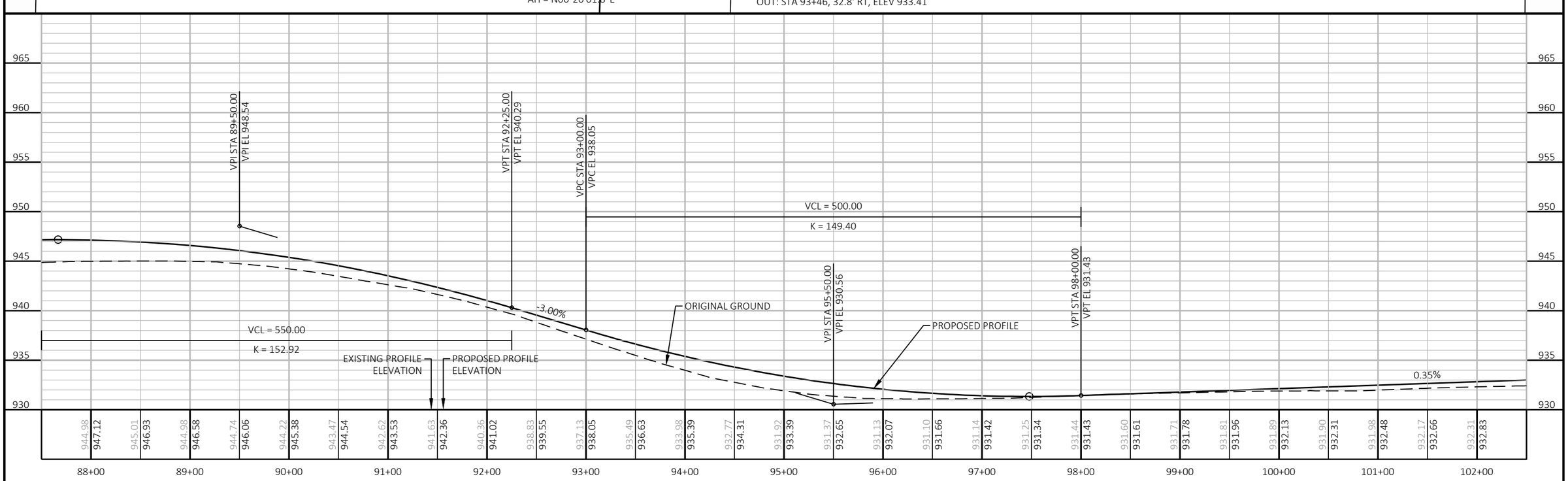
CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-908	FENO	86+28.86	24.30' RT	202089.521	535925.508	941.143



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 170	E

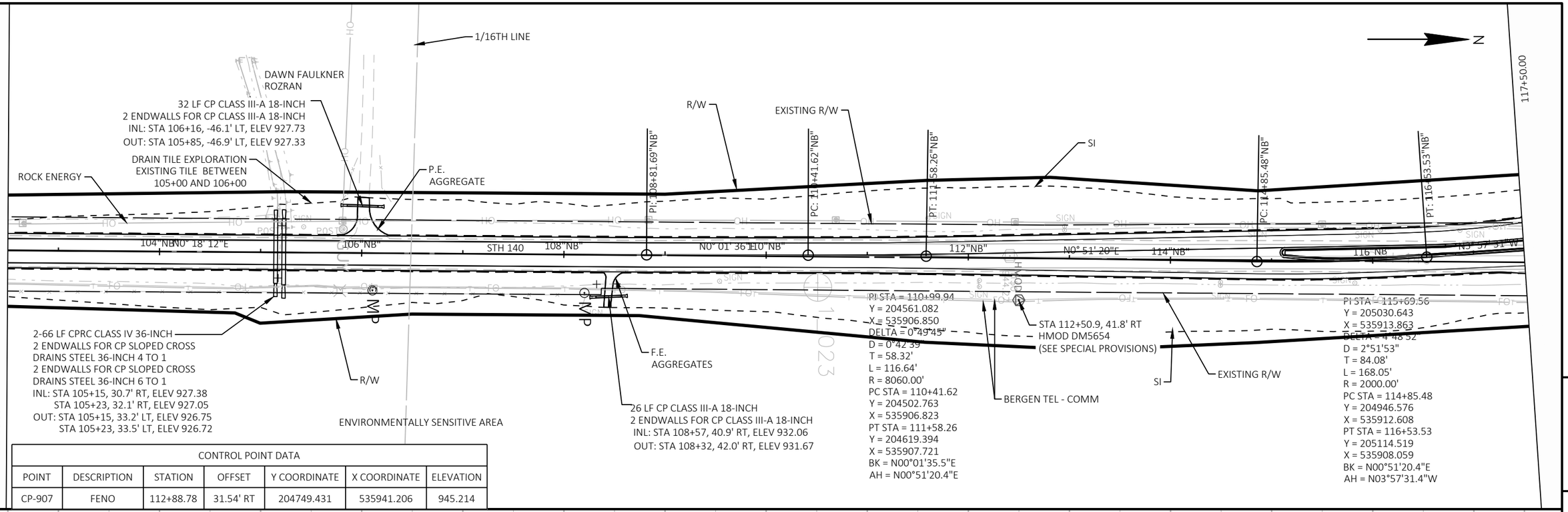
CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-1920	FENO	97+84.87	34.15' LT	203246.224	535866.677	929.704
CP-1921	FENO	97+61.82	28.52' RT	203222.808	535929.210	928.306
CP-1922	FENO	94+58.15	24.31' RT	202919.229	535923.320	930.5610
CP-1923	FENO	94+73.85	27.21' LT	202935.110	535871.860	929.8170



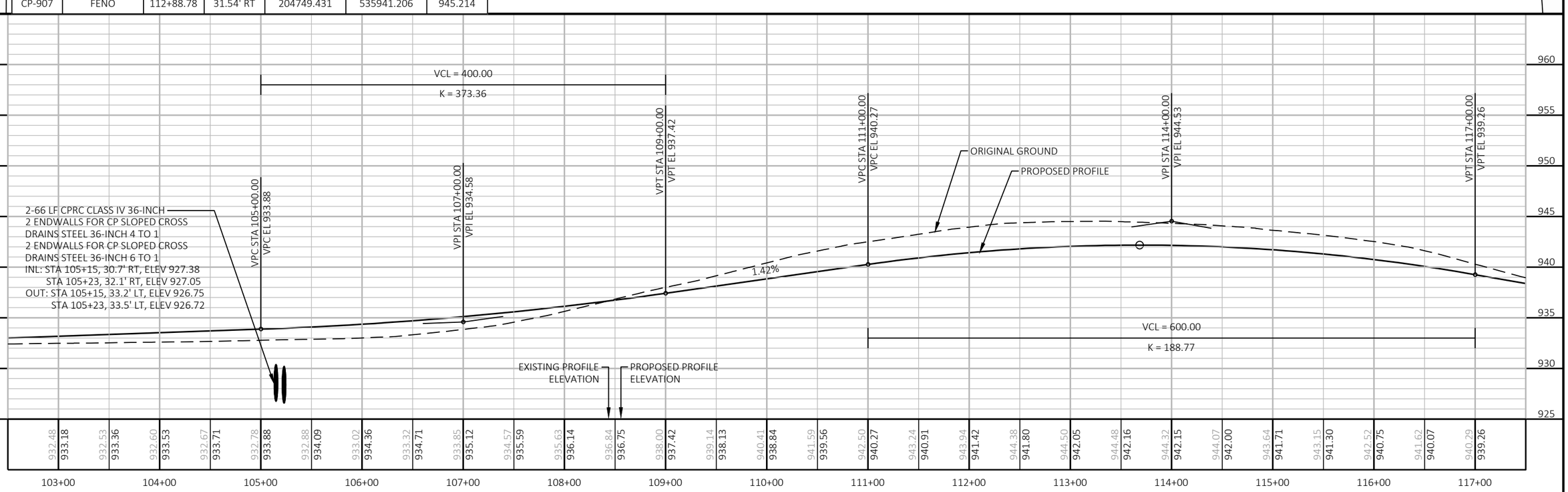


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 171	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 03
PLOT DATE : 11/18/2024 5:33 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

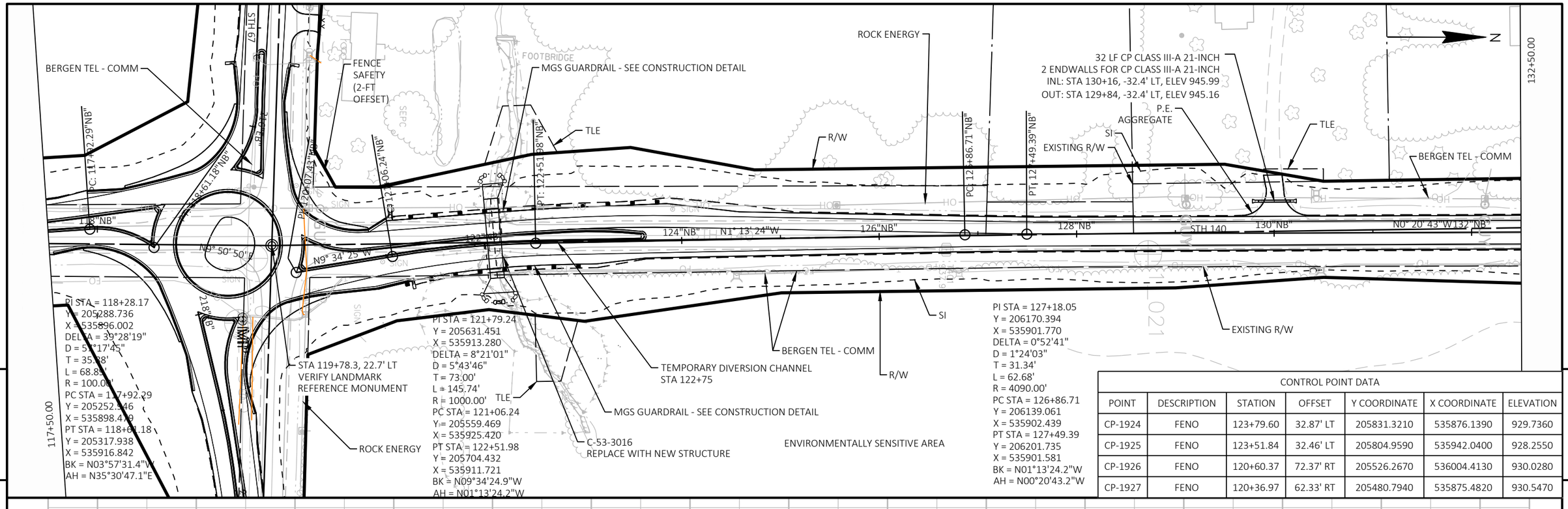


CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-907	FENO	112+88.78	31.54' RT	204749.431	535941.206	945.214

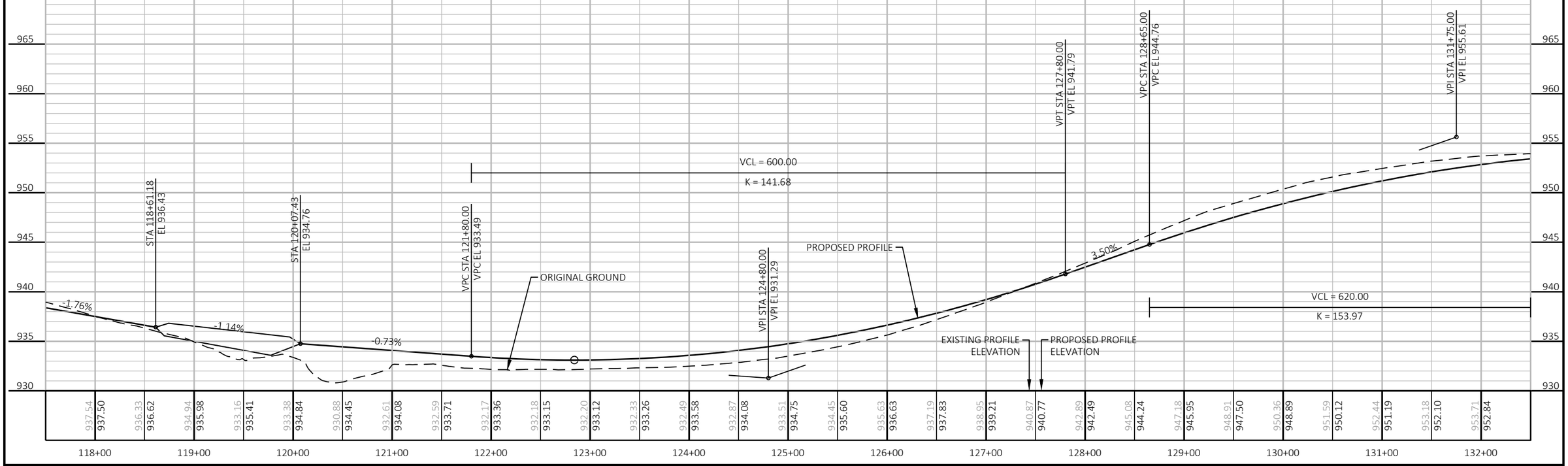


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 172	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 04
PLOT DATE : 11/18/2024 5:34 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

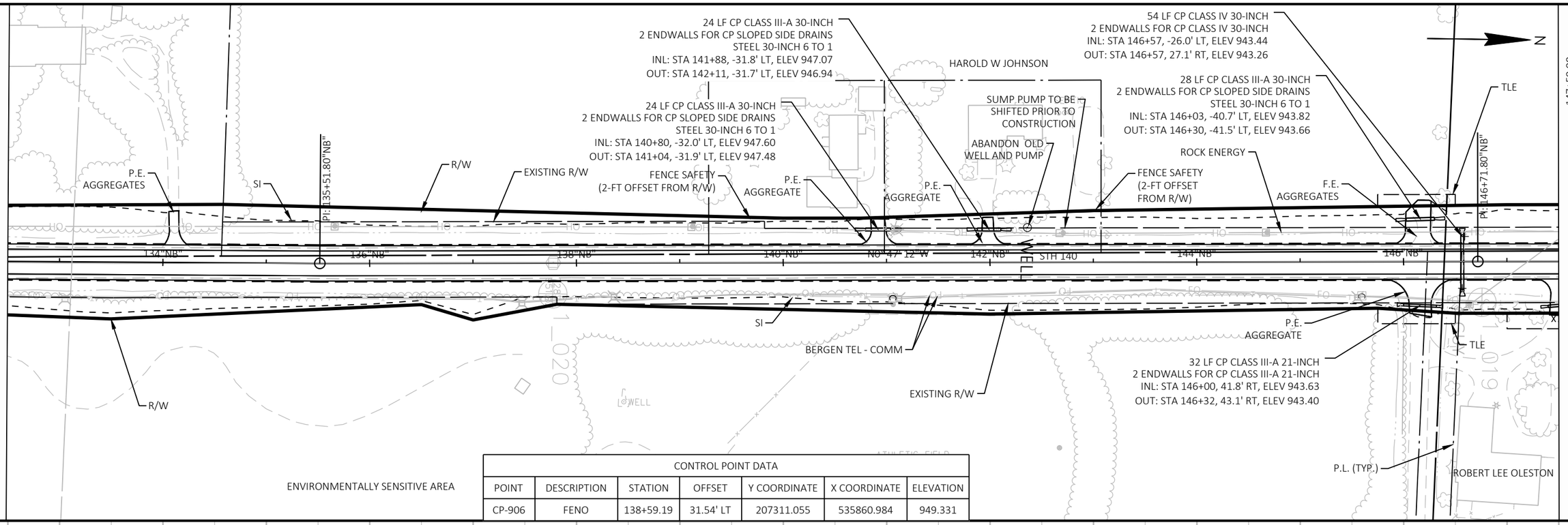


CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-1924	FENO	123+79.60	32.87' LT	205831.3210	535876.1390	929.7360
CP-1925	FENO	123+51.84	32.46' LT	205804.9590	535942.0400	928.2550
CP-1926	FENO	120+60.37	72.37' RT	205526.2670	536004.4130	930.0280
CP-1927	FENO	120+36.97	62.33' RT	205480.7940	535875.4820	930.5470



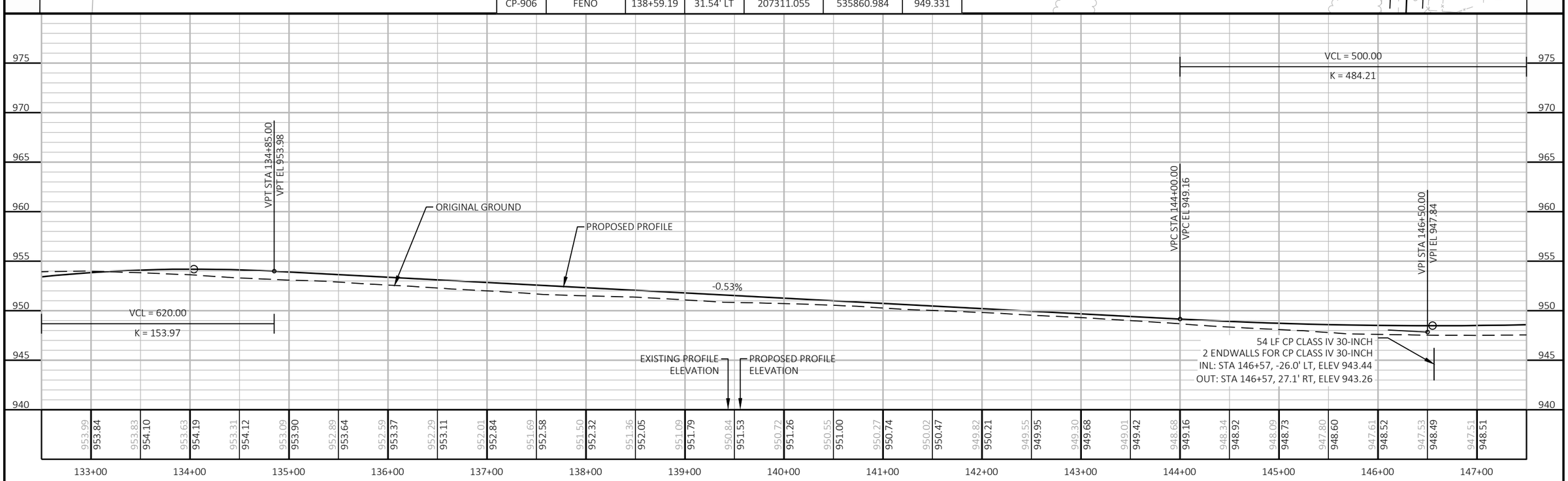
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 173	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 05
PLOT DATE : 11/18/2024 5:35 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



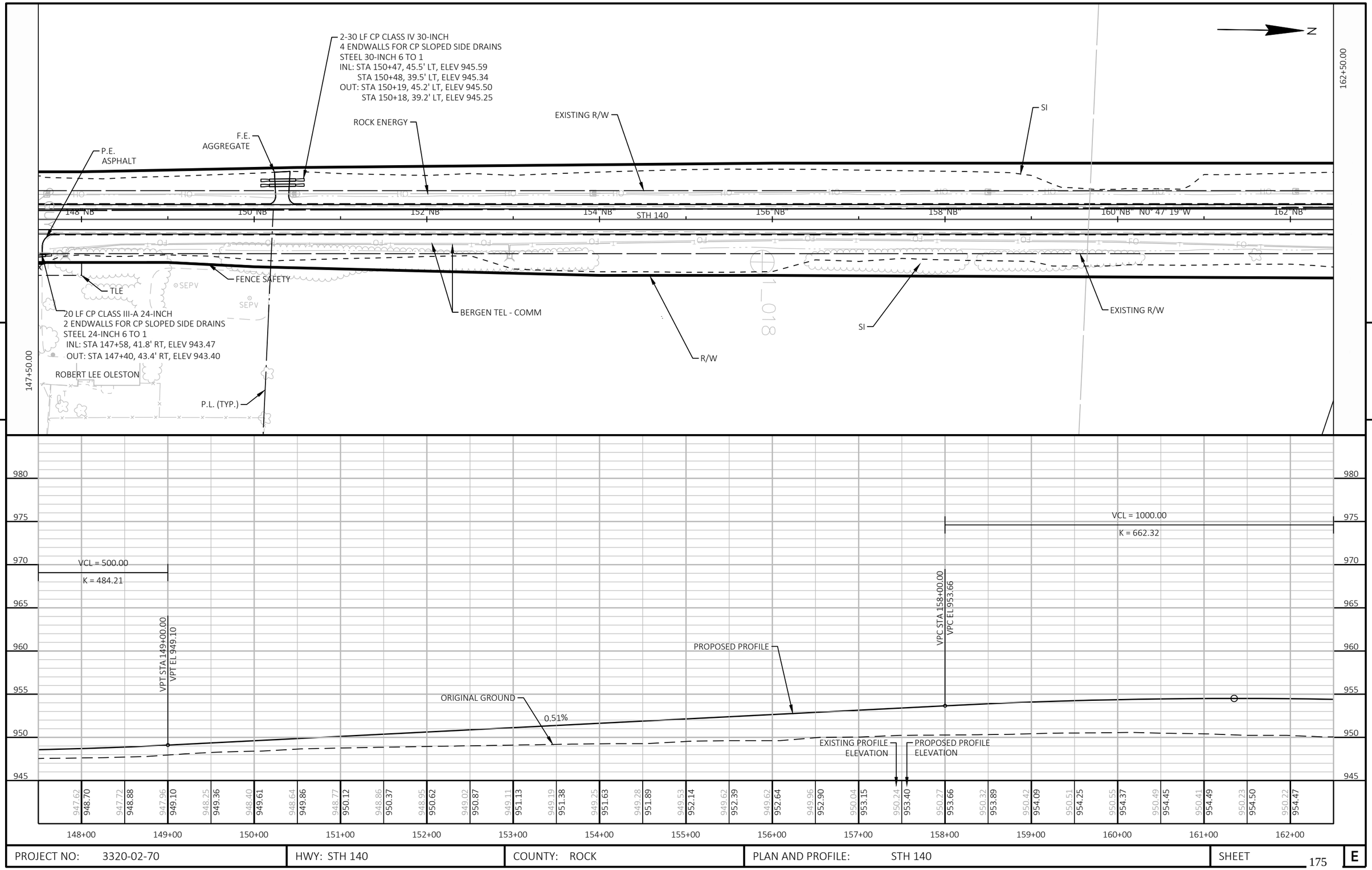
ENVIRONMENTALLY SENSITIVE AREA

CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-906	FENO	138+59.19	31.54' LT	207311.055	535860.984	949.331



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 174	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 06
PLOT DATE : 11/18/2024 5:36 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



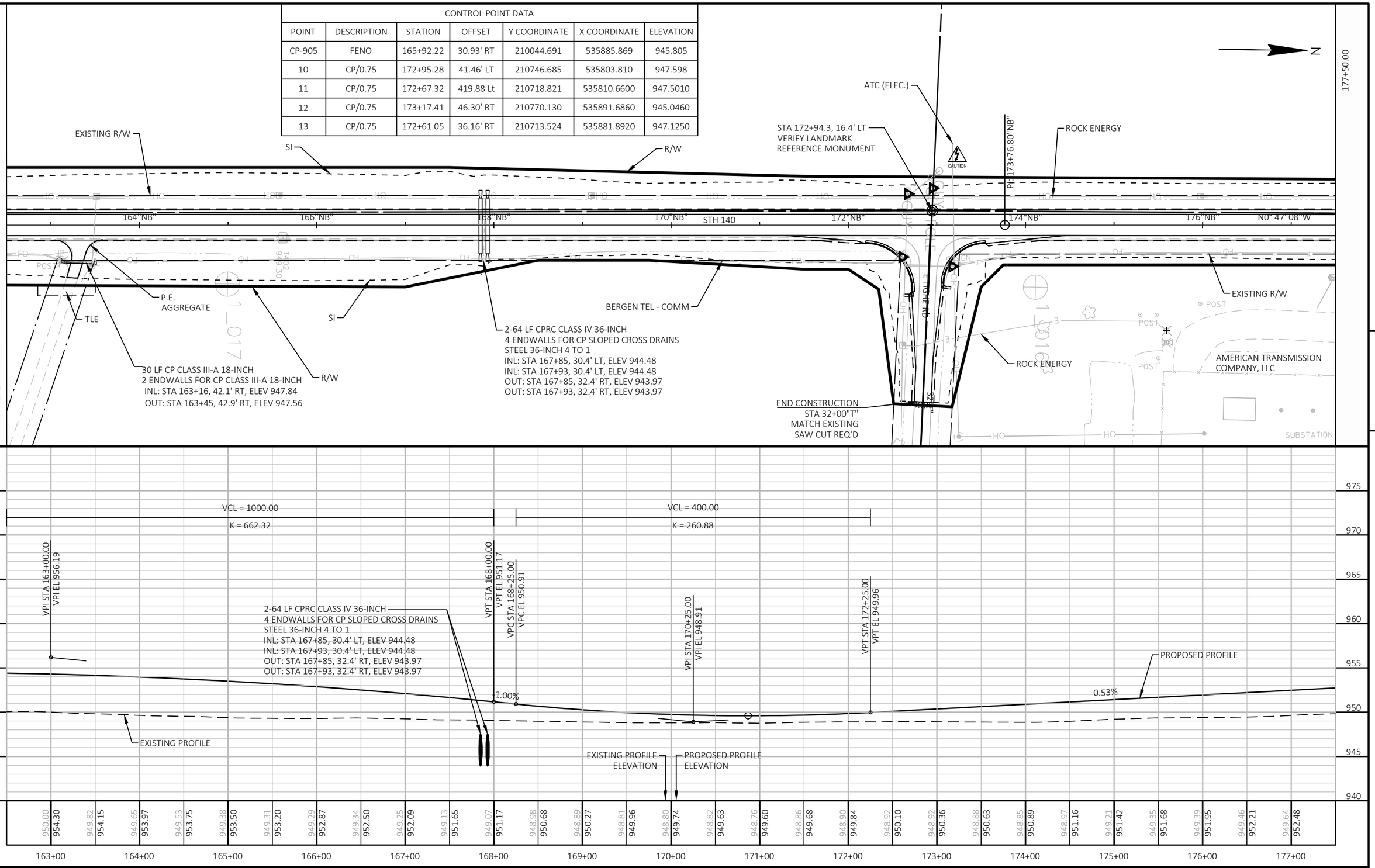
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 175	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 07

PLOT DATE : 11/18/2024 5:36 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-905	FENO	165+92.22	30.93' RT	210044.691	535885.869	945.805
10	CP/0.75	172+95.28	41.46' LT	210746.685	535803.810	947.598
11	CP/0.75	172+67.32	419.88 Lt	210718.821	535810.6600	947.5010
12	CP/0.75	173+17.41	46.30' RT	210770.130	535891.6860	945.0460
13	CP/0.75	172+61.05	36.16' RT	210713.524	535881.8920	947.1250



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 176	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 08

PLOT DATE : 11/18/2024 5:37 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

DRAIN TILE EXPLORATION
EXISTING TILE UNDER
STH 140 BETWEEN
179+60 AND 180+00

SI

R/W

PC 180+08.78"NB"

EXISTING R/W

F.E.
AGGREGATE

40 LF CP CLASS III-A 24-INCH
2 ENDWALLS FOR CP SLOPED SIDE DRAINS
STEEL 24-INCH 6 TO 1
INL: STA 182+50, -32.5' LT, ELEV 953.12
OUT: STA 182+10, -32.5' LT, ELEV 952.80

ROCK ENERGY

PT: 184+42.81"NB"

28 LF CP CLASS III-A 21-INCH
2 ENDWALLS FOR CP CLASS III-A 21-INCH
INL: STA 187+95, -28.6' LT, ELEV 954.66
OUT: STA 188+23, -29.2' LT, ELEV 954.32

28 LF CP CLASS III-A 24-INCH
2 ENDWALLS FOR CP SLOPED SIDE DRAINS
STEEL 24-INCH 6 TO 1
INL: STA 186+59, -28.7' LT, ELEV 955.51
OUT: STA 186+87, -28.7' LT, ELEV 955.40

P.E.
AGGREGATE

MEADOWDALE FARMS INC.

REMOVING BUILDING (STA 187+68)

TLE

P.L. (TYP.)

P.E.
AGGREGATE

STA 188+99.6, 11.6' LT
HMOD DM5655
(SEE SPECIAL PROVISIONS)

N

192+50.00

178"NB" 180"NB" 182"NB" STH 140 184"NB" 186"NB" 188"NB" 190"NB" 192"NB"

BERGEN TEL - COMM

P.E.
AGGREGATE

TLE

46 LF CP CLASS III-A 18-INCH
2 ENDWALLS FOR CP CLASS III-A 18-INCH
INL: STA 179+61, 40.5' RT, ELEV 949.25
OUT: STA 179+14, 37.4' RT, ELEV 948.78

TEDDY & JULIET PETERSON
REVOCABLE TRUST

177+50.00

PI STA = 182+25.82
Y = 211677.706
X = 535832.498
DELTA = 2°10'13"
D = 0°30'00"
T = 217.04'
L = 434.03'
R = 11459.00'
PC STA = 180+08.78
Y = 211460.685
X = 535835.474
PT STA = 184+42.81
Y = 211894.459
X = 535821.306
BK = N00°47'08.4"W
AH = N02°57'21.1"W

28 LF CP CLASS III-A 18-INCH
2 ENDWALLS FOR CP CLASS III-A 18-INCH
INL: STA 182+48, 36.5' RT, ELEV 952.41
OUT: STA 182+21, 37.1' RT, ELEV 952.13

F.E.
AGGREGATE

EXISTING R/W

R/W

P.E.
AGGREGATE

FRONTIER (COM)

TLE

ATC (ELEC.)

BERGEN TEL - COMM

CONTROL POINT DATA

POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-904	FENO	192+29.91	5.94' LT	212680.951	535788.282	950.585

980
975
970
965
960
955
950
945

VCL = 200.00
K = 742.37

VPC STA 177+57.00
VPC EL 952.78

VPI STA 178+57.00
VPI EL 953.31

VPT STA 179+57.00
VPT EL 954.11

ORIGINAL GROUND

PROPOSED PROFILE

0.80%

VPC STA 184+00.00
VPC EL 957.65

VPI STA 186+50.00
VPI EL 959.64

VPT STA 189+00.00
VPT EL 956.09

-1.42%

VCL = 500.00
K = 225.46

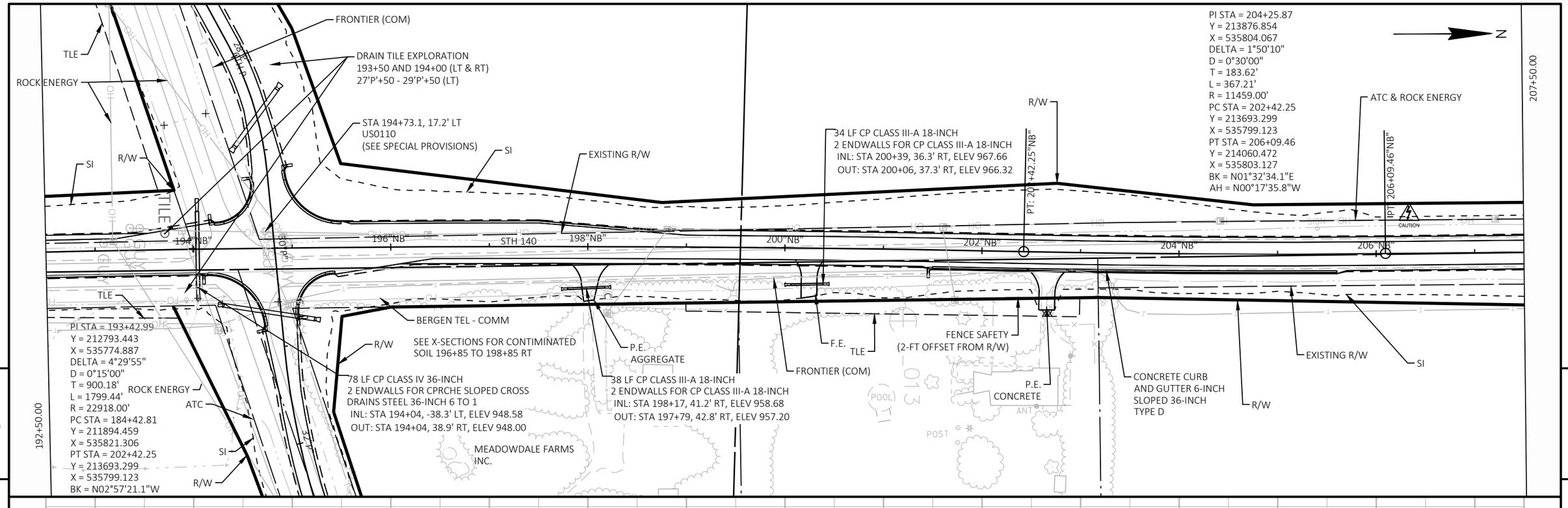
VPC STA 189+50.00
VPC EL 955.38

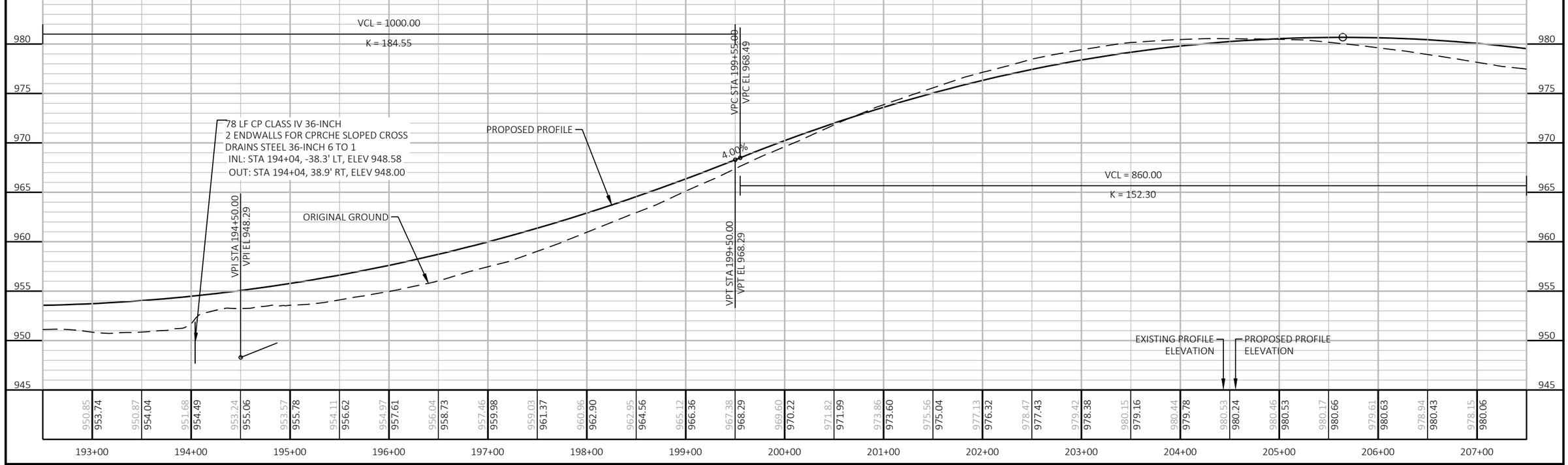
VCL = 1000.00
K = 184.55

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

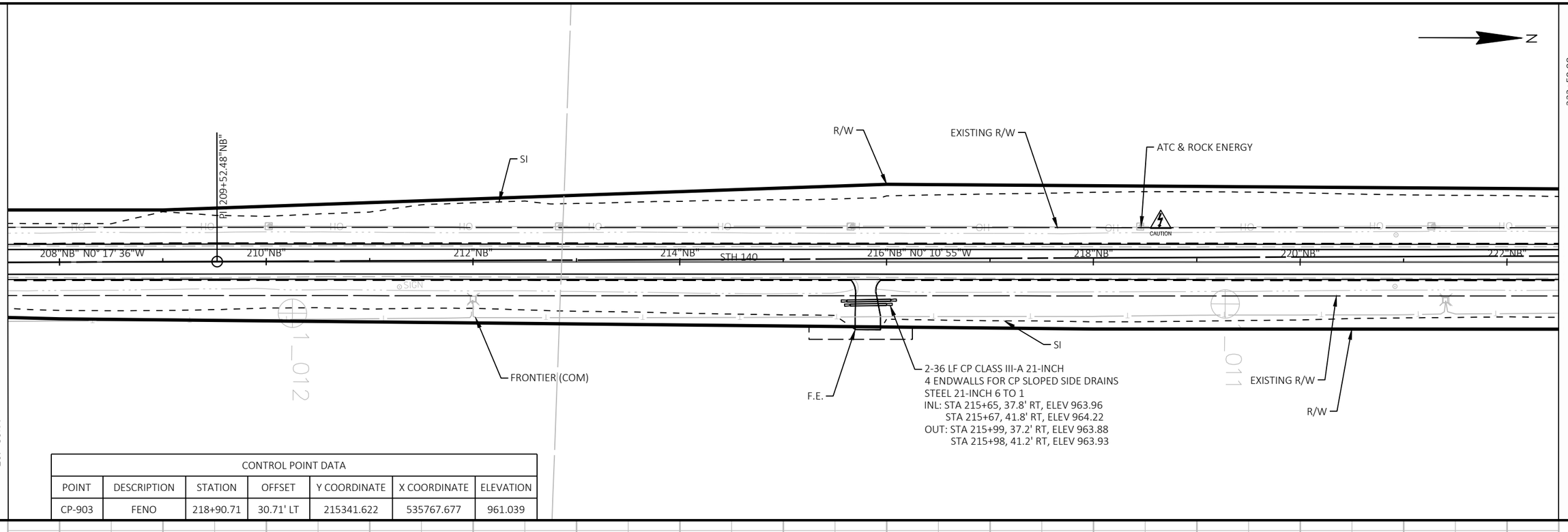
| | | |



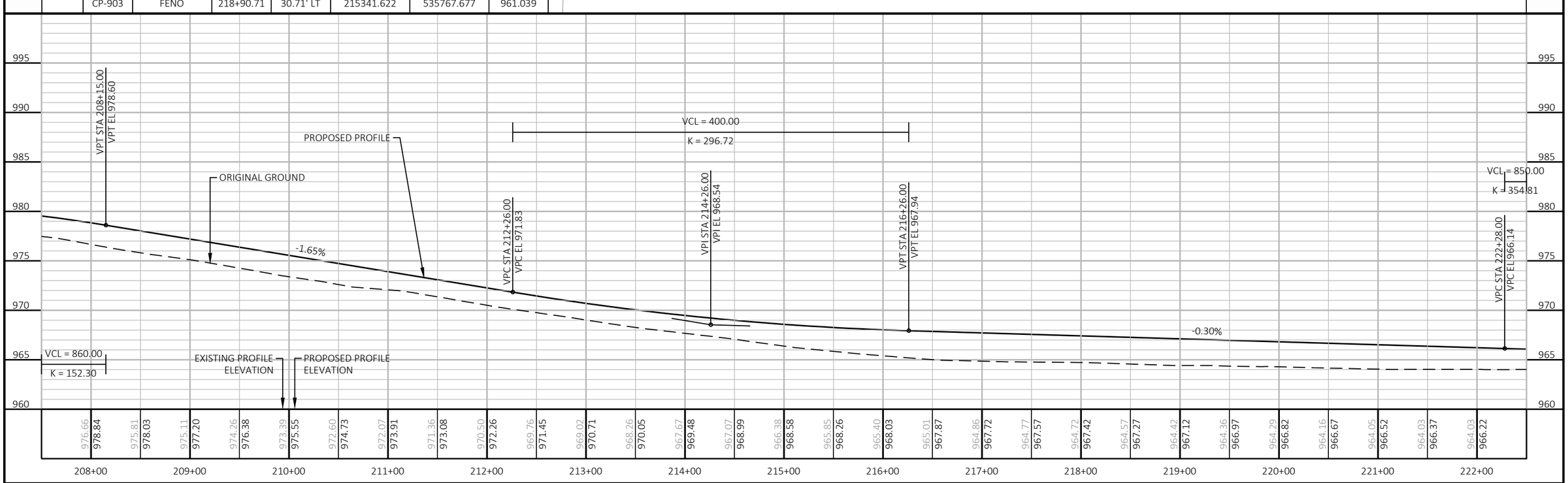


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 178	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 10
PLOT DATE : 11/18/2024 5:39 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-903	FENO	218+90.71	30.71' LT	215341.622	535767.677	961.039



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 179	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 11
PLOT DATE : 11/18/2024 5:39 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

BEGIN CONSTRUCTION
STA 28+00"LS"
MATCH EXISTING
SAW CUT REQ'D

ATC &
ROCK ENERGY

CAUTION

PI: 223+52.48"NB"

28"LS"

LINE STONE RD

30"LS"

FRONTIER (COM)

R/W

STA 226+16.6, 7.9' LT
VERIFY LANDMARK
REFERENCE MONUMENT

ATC (ELEC.)

EXISTING R/W

PI: 229+97.76"NB"

P.L. (TYP.)

SI

TAYLOR WEDEN

P.E.
AGGREGATE

TLE

ATC & ALLIANT (ELEC.)

CONCRETE CURB
AND GUTTER 6-INCH
SLOPED 36-INCH
TYPE D

222+50.00

224"NB"

226"NB"

N0° 08' 17"W

STH 140

228"NB"

230"NB"

232"NB"

234"NB"

236"NB"

237+50.00

ROCK ENERGY

END CONSTRUCTION
STA 32+00"LS"
MATCH EXISTING
SAW CUT REQ'D

64 LF CP CLASS IV 36-INCH
2 ENDWALLS FOR CPRCHE SLOPED CROSS
DRAINS STEEL 36-INCH 6 TO 1
INL: STA 223+02, 30.5' RT, ELEV 960.11
OUT: STA 223+02, -32.0' LT, ELEV 959.09

FRONTIER (COM)

R/W

EXISTING R/W

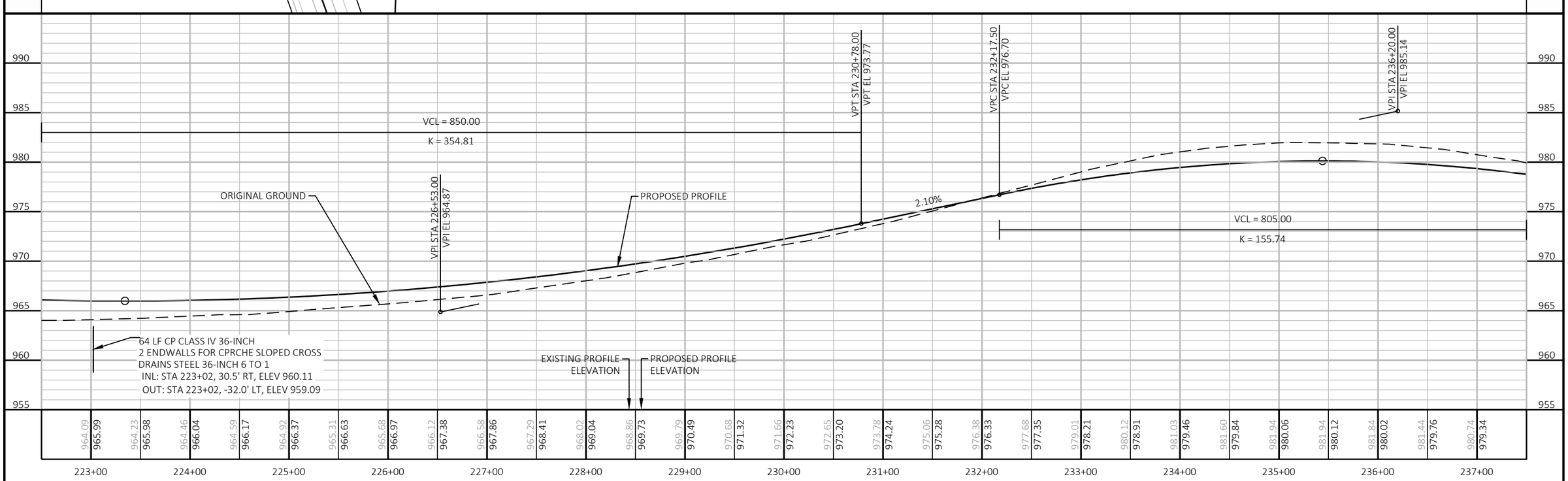
SI

F.E.

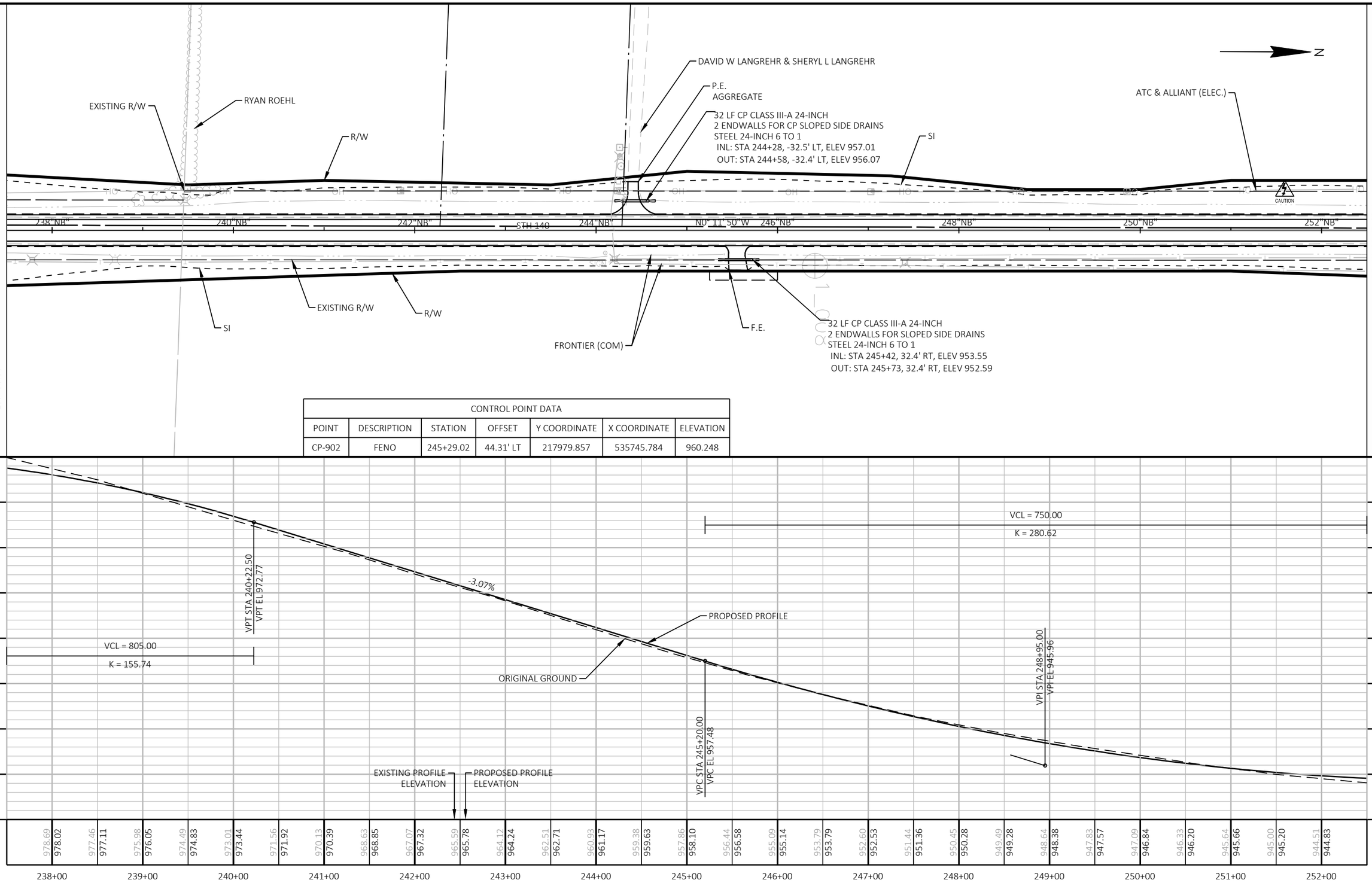
30 LF CP CLASS III-A 24-INCH
2 ENDWALLS FOR CP SLOPED SIDE DRAINS
STEEL 24-INCH 6 TO 1
INL: STA 231+60, 32.4' RT, ELEV 972.19
OUT: STA 231+31, 32.4' RT, ELEV 971.57

MEADOWDALE FARMS INC

N



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 180	E



CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-902	FENO	245+29.02	44.31' LT	217979.857	535745.784	960.248

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 181	E

2-26 LF CP CLASS III-A 21-INCH
4 ENDWALLS FOR CP SLOPED SIDE DRAINS
STEEL 21-INCH 6 TO 1
INL: STA 252+88, 37.5' LT, ELEV 938.87
STA 252+87, 41.5' LT, ELEV 938.87
OUT: STA 253+12, 39.3' LT, ELEV 938.58
STA 253+12, 43.3' LT, ELEV 938.58

2-70 LF CPRC CLASS IV 36-INCH
4 ENDWALLS FOR CP SLOPED CROSS DRAINS
STEEL 36-INCH 6 TO 1
INL: STA 255+68, 33.5' RT, ELEV 936.14
STA 255+76, 33.5' RT, ELEV 936.16
OUT: STA 255+68, 36.2' LT, ELEV 935.13
STA 255+76, 36.4' LT, ELEV 935.19

2-68 LF CPRC CLASS IV 30-INCH
4 ENDWALLS FOR CP SLOPED CROSS DRAINS
STEEL 30-INCH 4 TO 1
INL: STA 261+66, 33.1' RT, ELEV 934.36
STA 261+72, 32.8' RT, ELEV 934.37
OUT: STA 261+62, 34.8' LT, ELEV 934.02
STA 261+68, 35.0' LT, ELEV 934.00

44 LF CP CLASS III-A 24-INCH
2 ENDWALLS FOR CP SLOPED SIDE DRAINS
STEEL 24-INCH 6 TO 1
INL: STA 266+09, -32.6' LT, ELEV 939.77
OUT: STA 265+65, -32.7' LT, ELEV 938.63

26 LF CP CLASS III-A 18-INCH
2 ENDWALLS FOR CP CLASS III-A 18-INCH
INL: STA 265+87, 32.4' RT, ELEV 939.48
OUT: STA 265+62, 32.4' RT, ELEV 939.26

F.E.
SI
R/W
EXISTING R/W
ATC & ALLIANT (ELEC.)
PI: 261+83.24"NB"
ROBERT E & YVONNE J GRETCHANN
P.E. AGGREGATE
REBECCA S WEH
TLE
DRAIN TILE EXPLORATION
EXISTING TILE BETWEEN
255+00 AND 256+00 LT & RT
DRAIN TILE EXPLORATION
EXISTING TILE BETWEEN
261+00 AND 262+00 LT & RT
WE ENERGIES - GAS
FRONTIER (COM)
STH 140
N0° 06' 15"W
252+50.00
267+50.00

254"NB" 256"NB" 258"NB" 260"NB" 262"NB" 264"NB" 266"NB"

700 900

VCL = 750.00
K = 280.62
VPT STA 252+70.00
VPT EL 944.46
VCL = 750.00
K = 332.97
VPC STA 260+95.00
VPC EL 941.16
VPI STA 264+70.00
VPI EL 939.66
-0.40%
PROPOSED PROFILE
ORIGINAL GROUND
EXISTING PROFILE ELEVATION
PROPOSED PROFILE ELEVATION

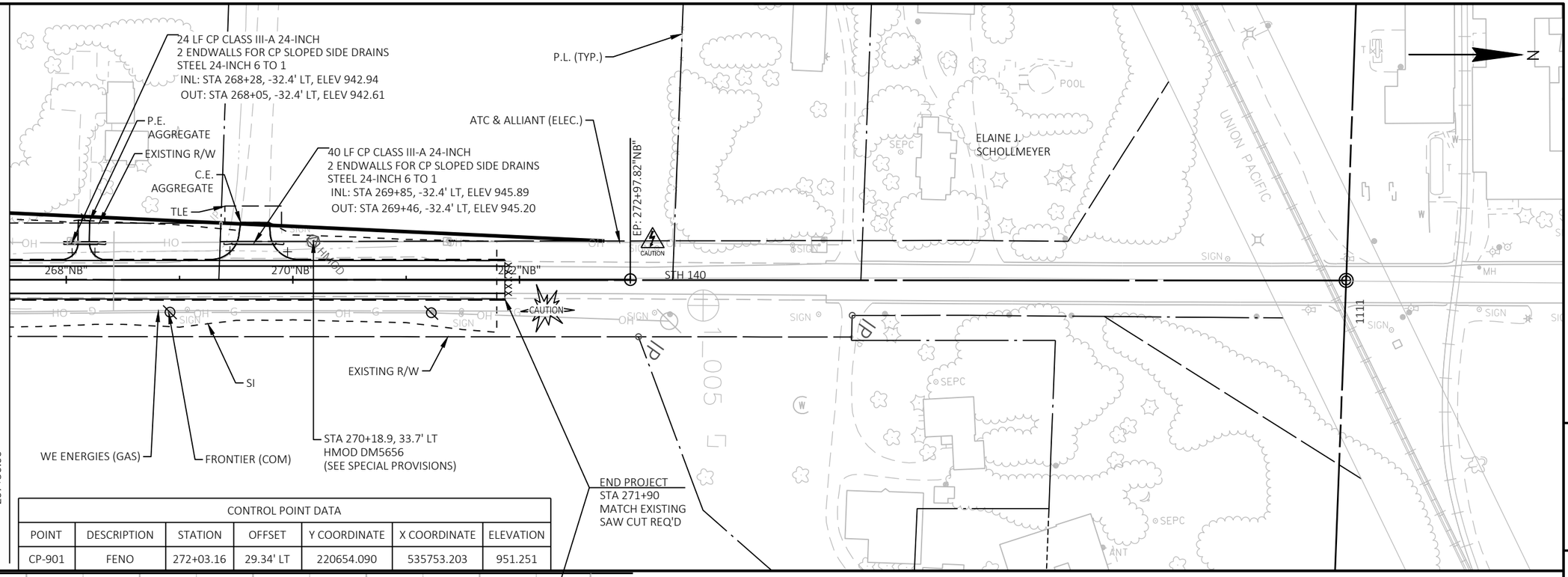
965 960 955 950 945 940 935 930

943.64 944.34 943.28 944.14 943.04 943.94 942.78 943.74 942.51 943.54 942.30 943.34 942.04 943.14 941.98 942.94 941.85 942.74 941.71 942.54 941.63 942.34 941.58 942.14 941.48 941.94 941.38 941.74 941.20 941.54 941.03 941.34 940.74 941.14 940.63 940.99 940.47 940.91 940.35 940.90 940.36 940.97 940.50 941.12 940.67 941.34 941.20 941.63 941.64 942.00 942.18 942.45 942.84 942.97 943.71 943.57 944.65 944.24

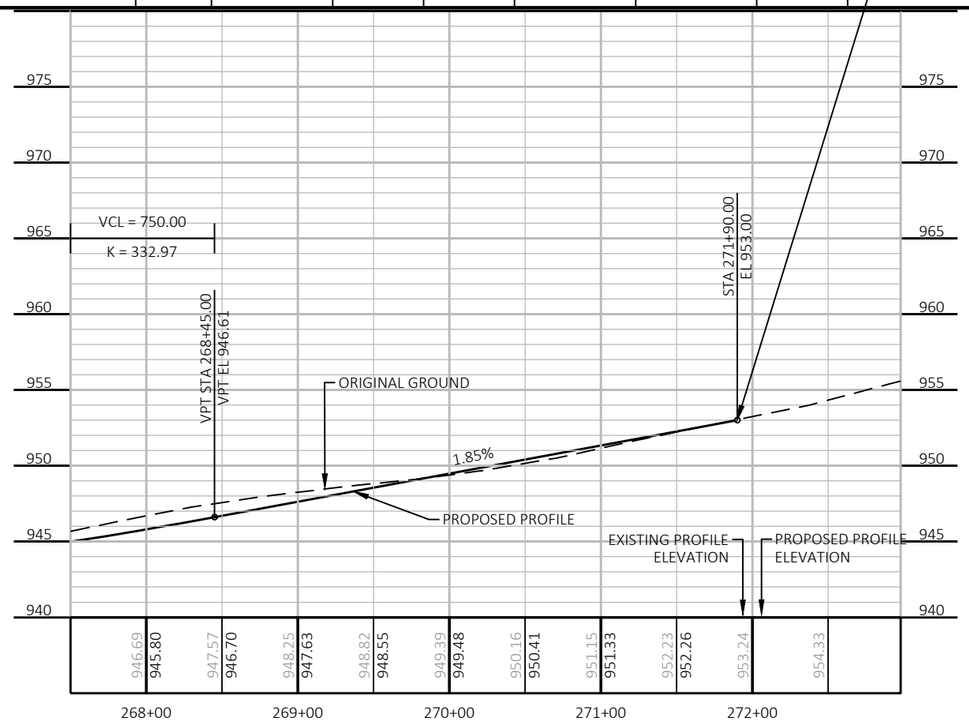
253+00 254+00 255+00 256+00 257+00 258+00 259+00 260+00 261+00 262+00 263+00 264+00 265+00 266+00 267+00

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 182	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 14
PLOT DATE : 11/19/2024 12:03 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



CONTROL POINT DATA						
POINT	DESCRIPTION	STATION	OFFSET	Y COORDINATE	X COORDINATE	ELEVATION
CP-901	FENO	272+03.16	29.34' LT	220654.090	535753.203	951.251



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140	SHEET 183	E

SI (TYP)

R/W (TYP)

EXISTING R/W (TYP)

ROCK ENERGY

N

MATCH LINE 114+75

109+00 "NB"

110+00 "NB"

111+00 "SB"

111+00 "NB"

112+00 "SB"

112+00 "NB"

113+00 "SB"

113+00 "NB"

114+00 "SB"

114+00 "NB"

SIGN

BERGEN

FIBER OPTIC

ENVIRONMENTALLY SENSITIVE AREA

5

5

950

945

940

935

STA 109+00.00
EL 937.42

VPC STA 111+14.31
VPC EL 940.46

VPI STA 113+14.31
VPI EL 943.30

HP STA 113+49.89
HP EL 942.14

1.42%

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

VCL = 400.00

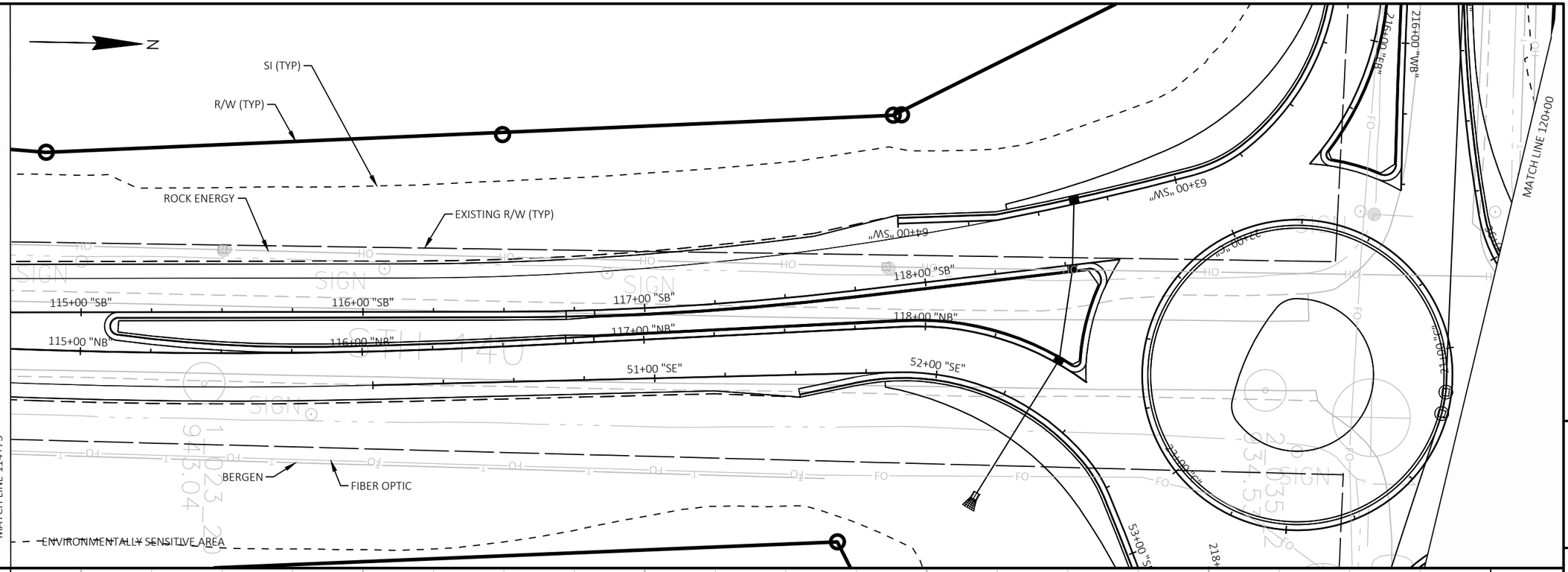
K = 165.90

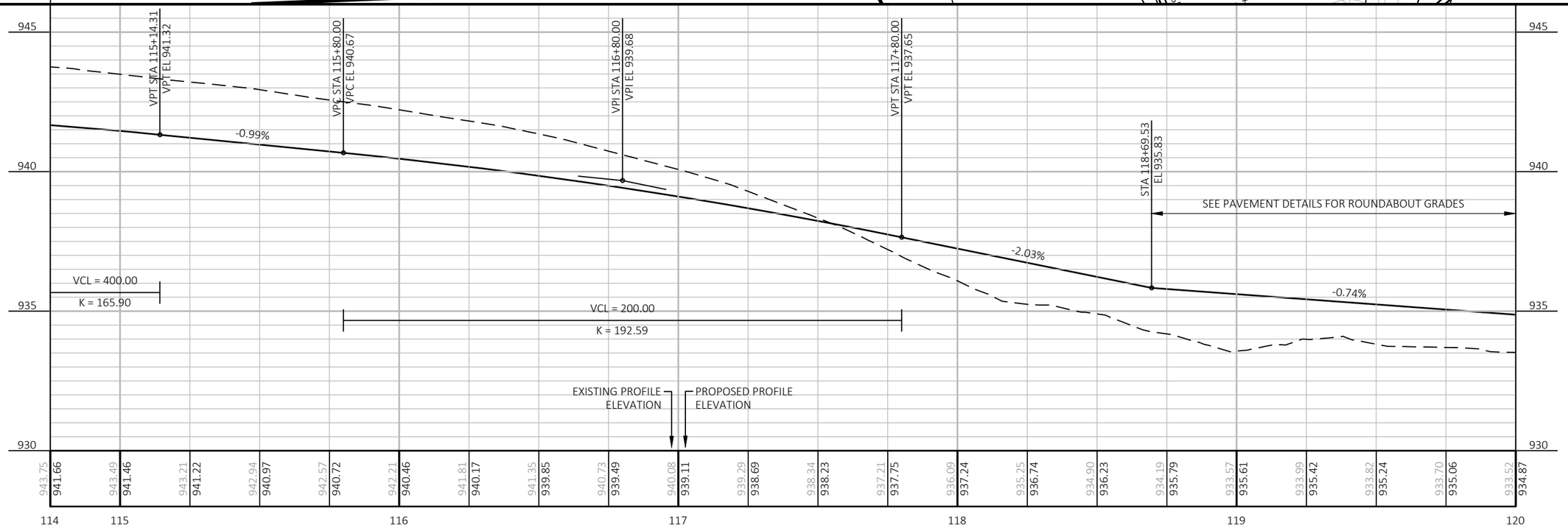
109				110				111				112				113				114				114
937.42	937.78	938.13	938.48	940.41	938.84	941.05	939.20	941.59	939.55	942.09	939.90	942.49	940.26	942.84	940.61	943.22	940.93	943.60	941.21	943.89	941.46	944.16	941.67	944.29	941.84	944.38	941.97	944.43	942.06	944.46	942.12	944.41	942.14	944.31	942.12	944.21	942.06	944.11	941.97	943.95	941.83	943.75	941.66

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140 - SB	SHEET 184	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 140 - SB (1)

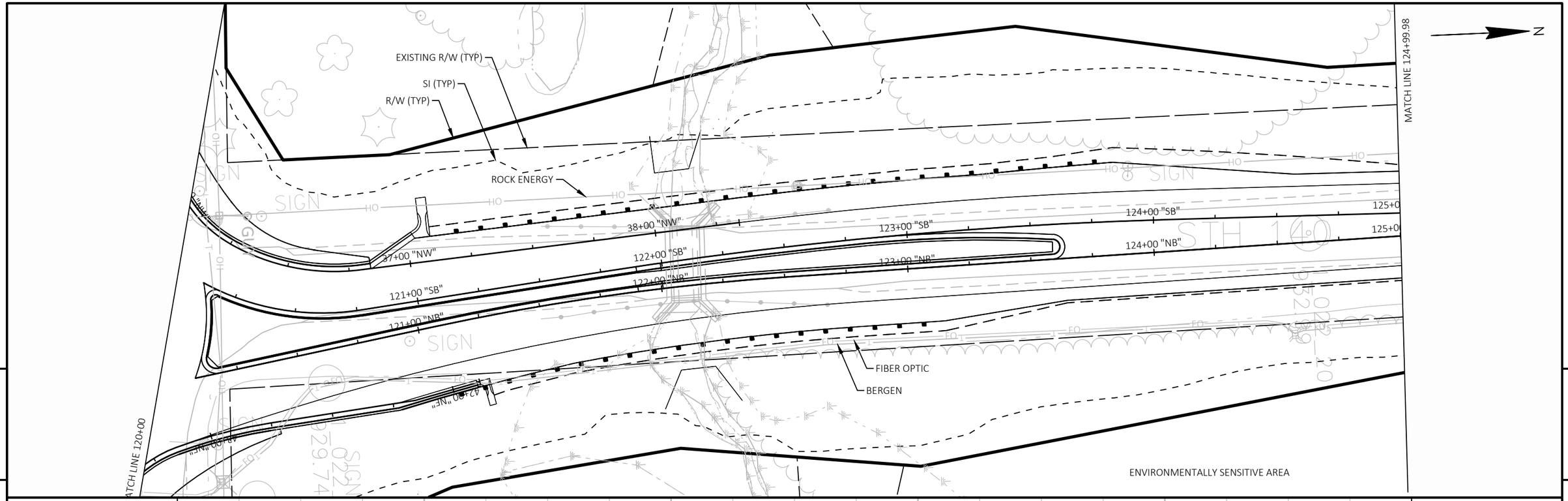
PLOT DATE : 11/18/2024 5:44 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

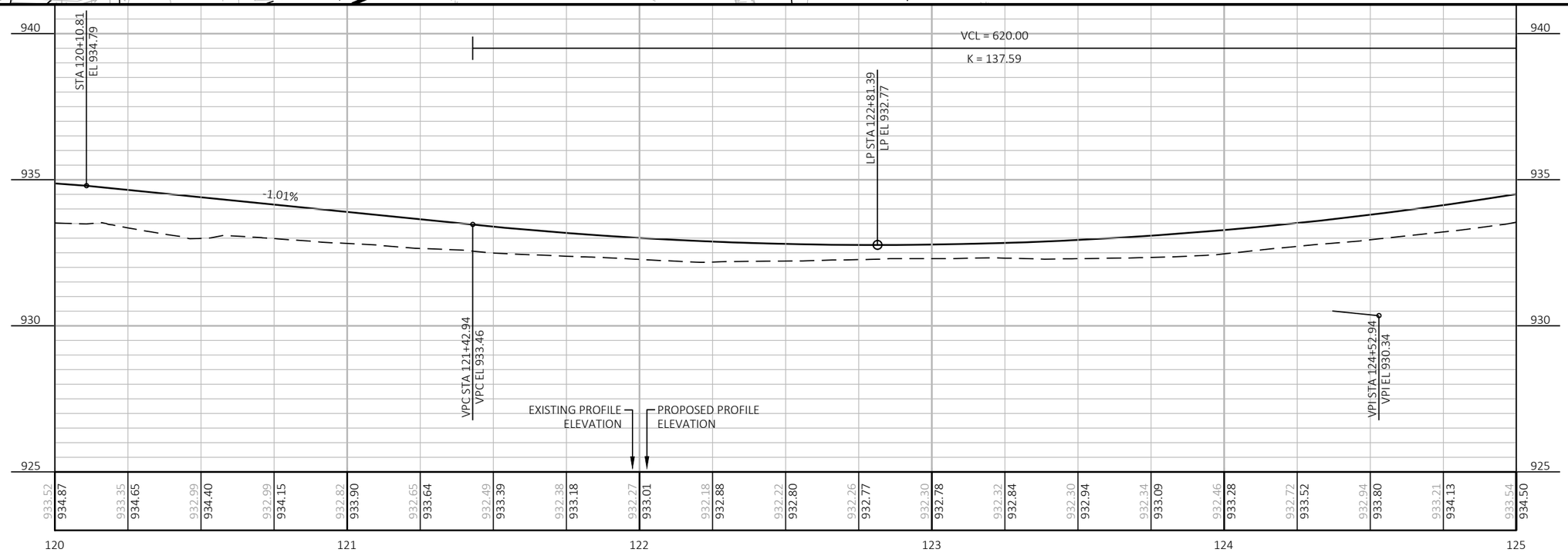




PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 140 - SB	SHEET 185	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 140 - SB (2)
PLOT DATE : 11/18/2024 5:45 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PLOTS: STH 140 - SB	SHEET 186	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 140 - SB (3)
PLOT DATE : 11/18/2024 5:46 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

R/W (TYP)

SI (TYP)

EXISTING R/W (TYP)

ROCK ENERGY

P.E. AGGREGATE

TLE

HO

FO

0 "SB"

0 "NB"

126+00 "SB"

126+00 "NB"

127+00 "SB"

127+00 "NB"

128+00 "SB"

128+00 "NB"

129+00 "NB"

130+00 "NB"

FIBER OPTIC

BERGEN

END STA
128+30.20

ENVIRONMENTALLY SENSITIVE AREA

MATCH LINE 124+99.98

5

5

945

940

935

930

VCL = 620.00

K = 137.59

3.50%

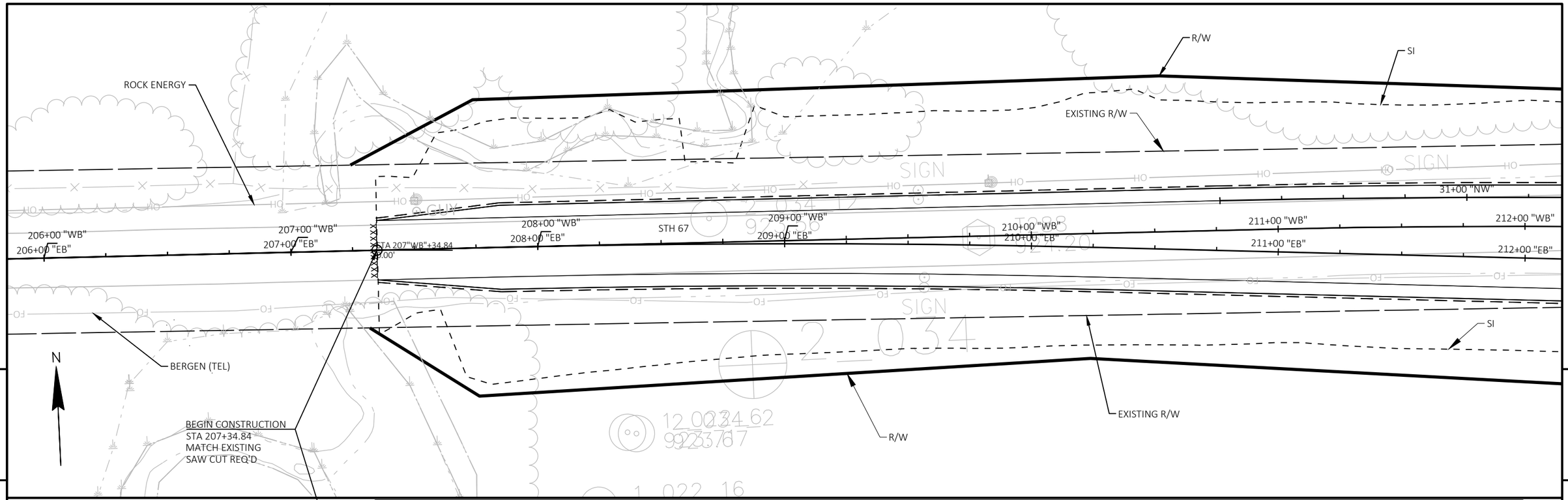
VPT STA 127+62.94
VPT EL 941.19

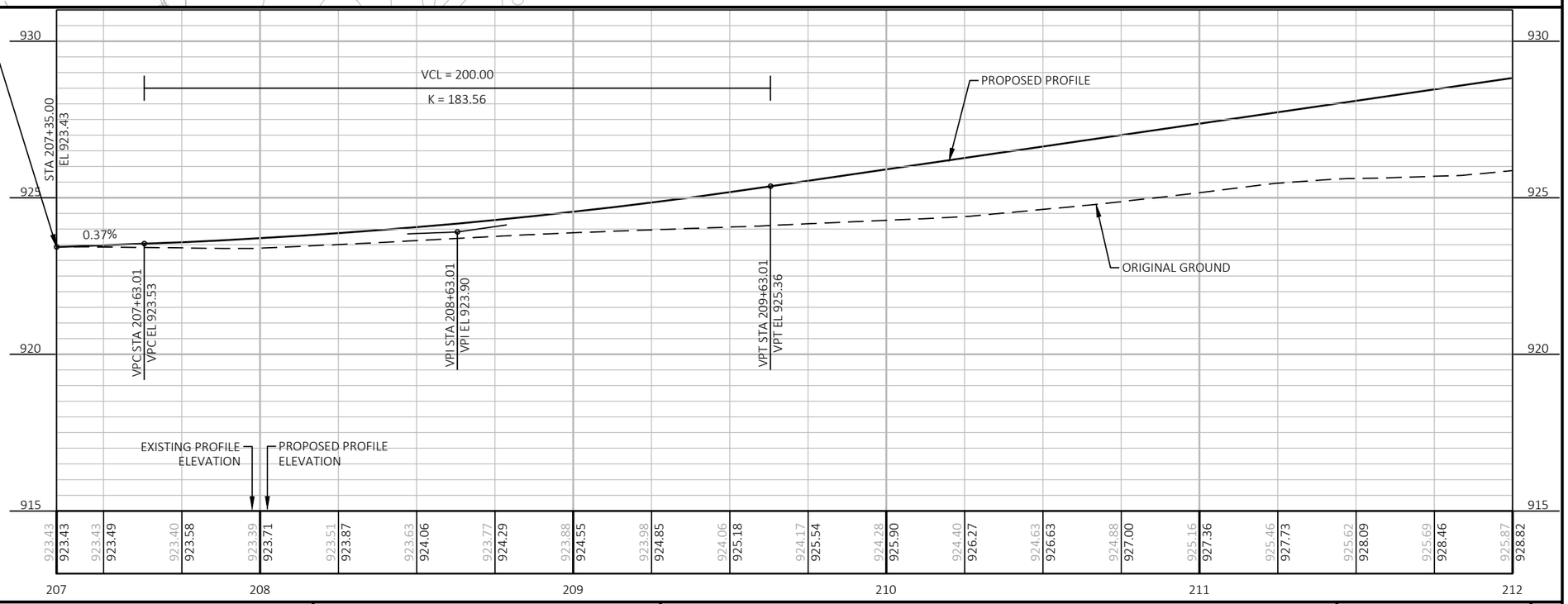
STA 128+30.20
EL 943.55

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

| | | |

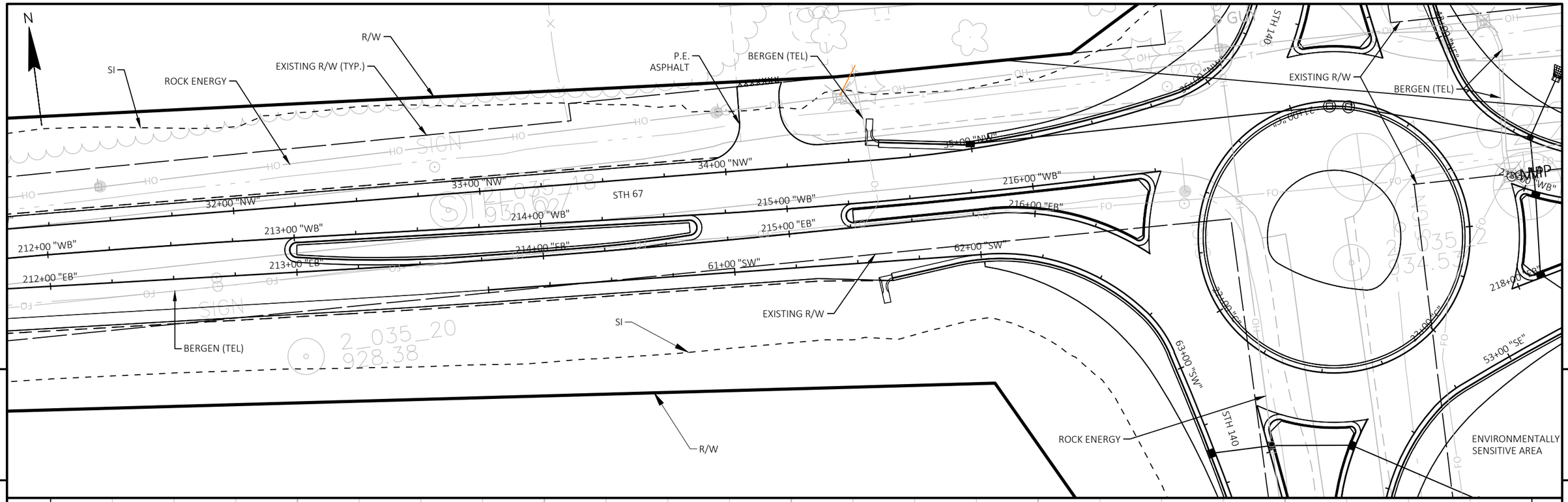




PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 67 - EB	SHEET 188	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 EB (2)

PLOT DATE : 11/18/2024 5:48 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

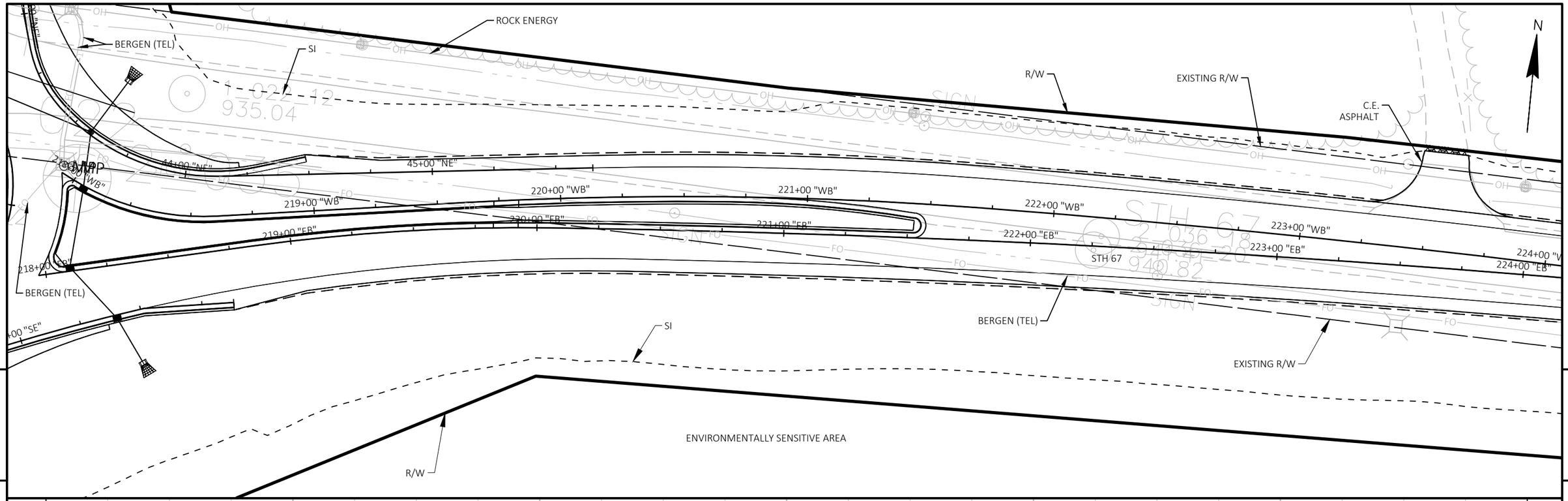


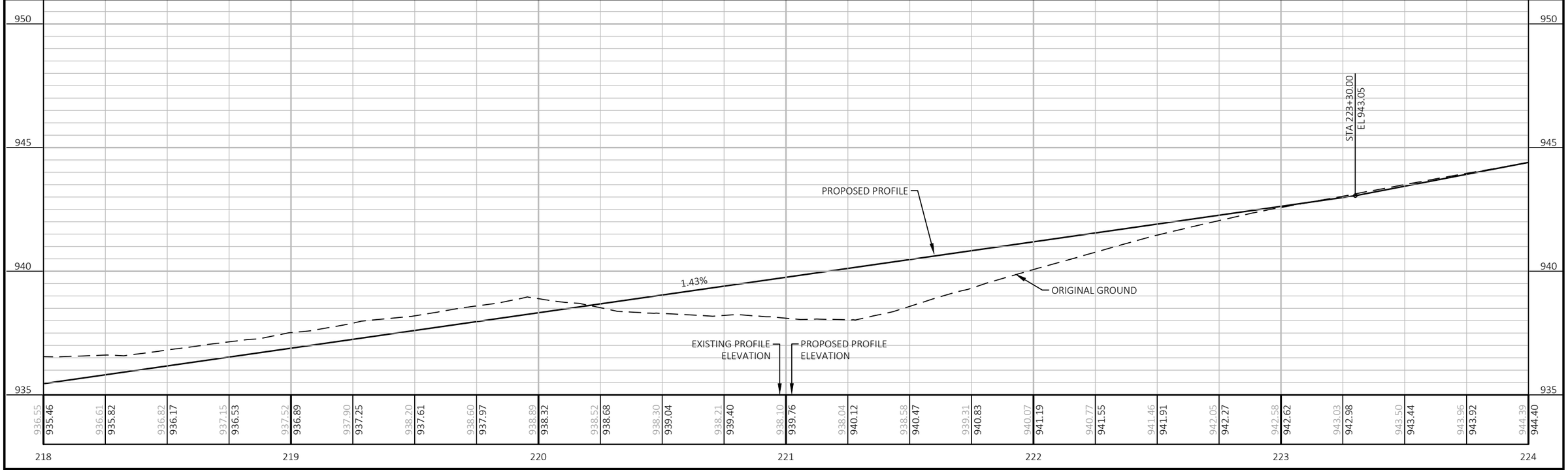
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 67 - EB	SHEET 189	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 EB (3)

PLOT DATE : 11/18/2024 5:49 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

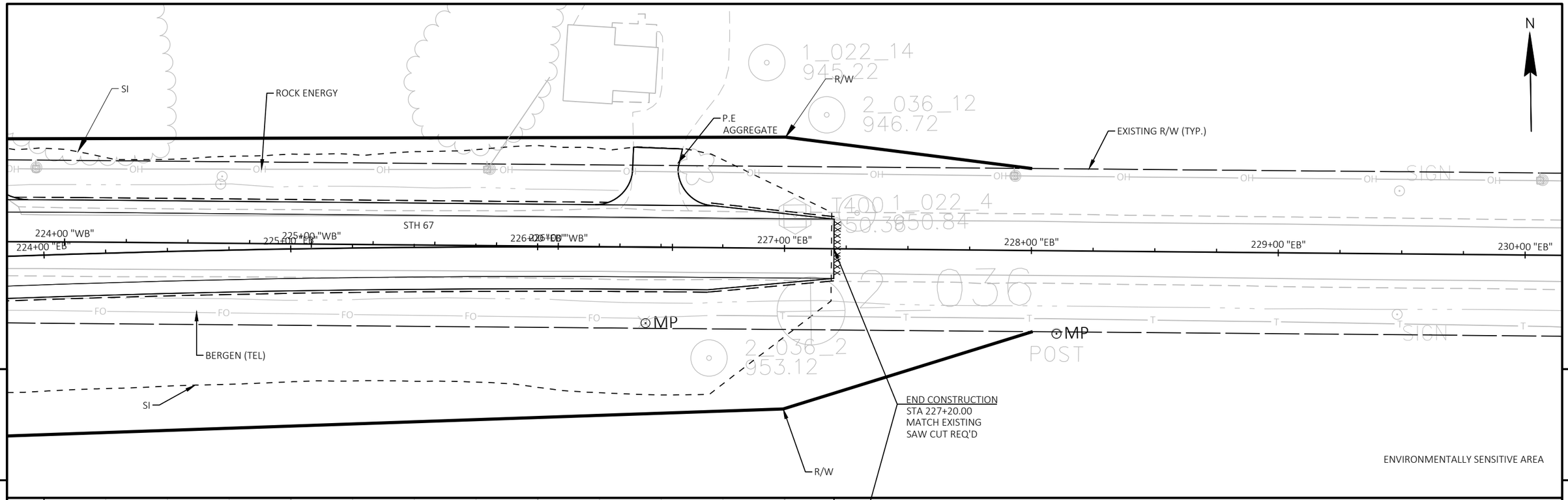
WISDOT/CADDS SHEET 44





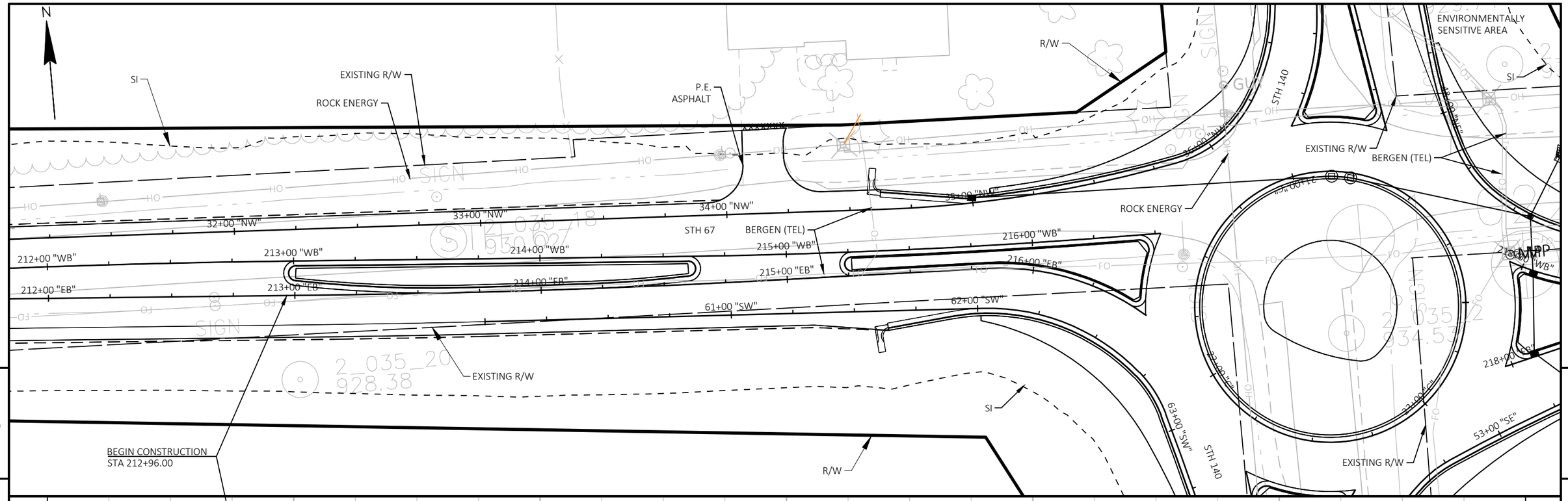
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 67 - EB	SHEET 190	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 EB (4)
PLOT DATE : 11/18/2024 5:50 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 67 - EB	SHEET 191	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 EB (5)
PLOT DATE : 11/18/2024 5:51 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

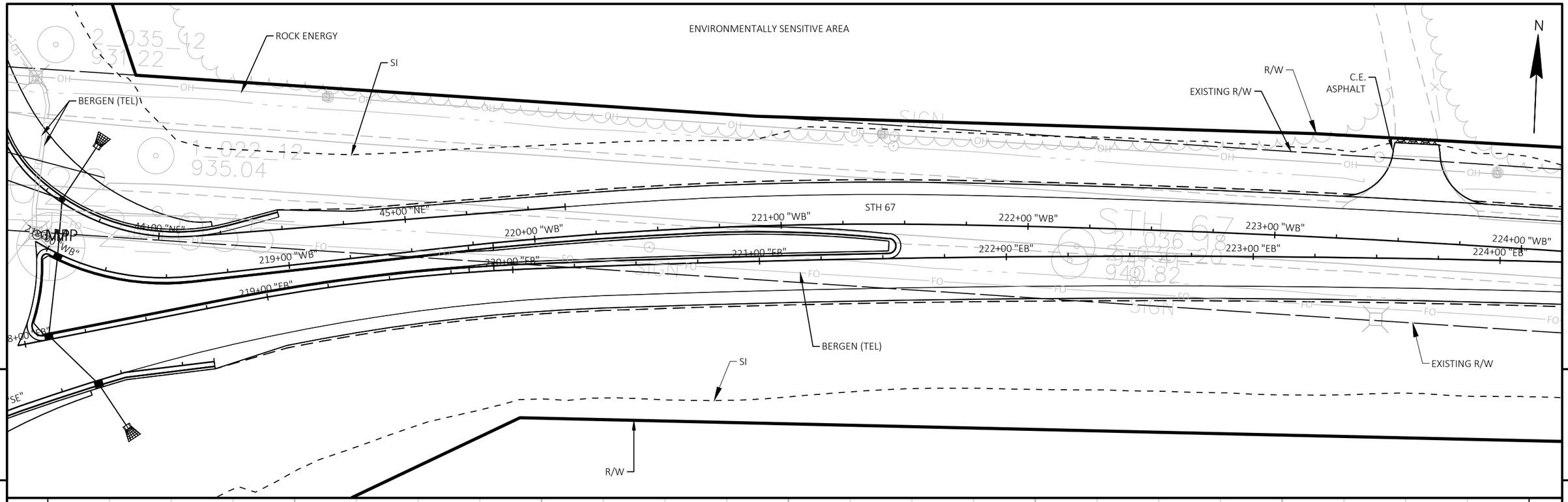


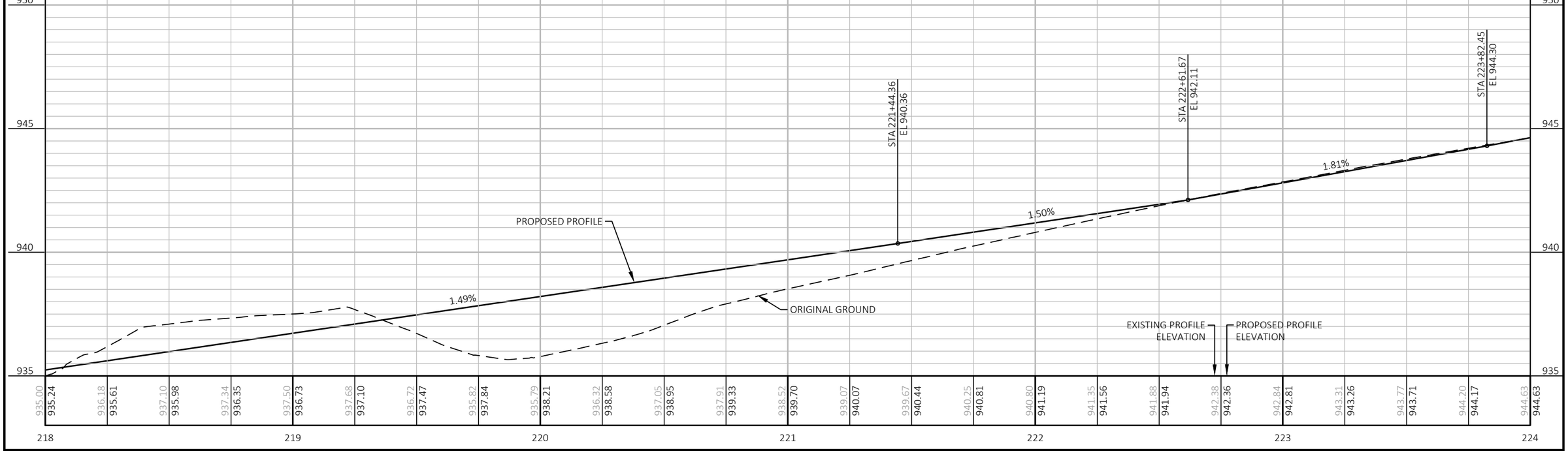
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 67 - WB	SHEET 192	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 - WB (1)

PLOT DATE : 11/18/2024 5:52 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



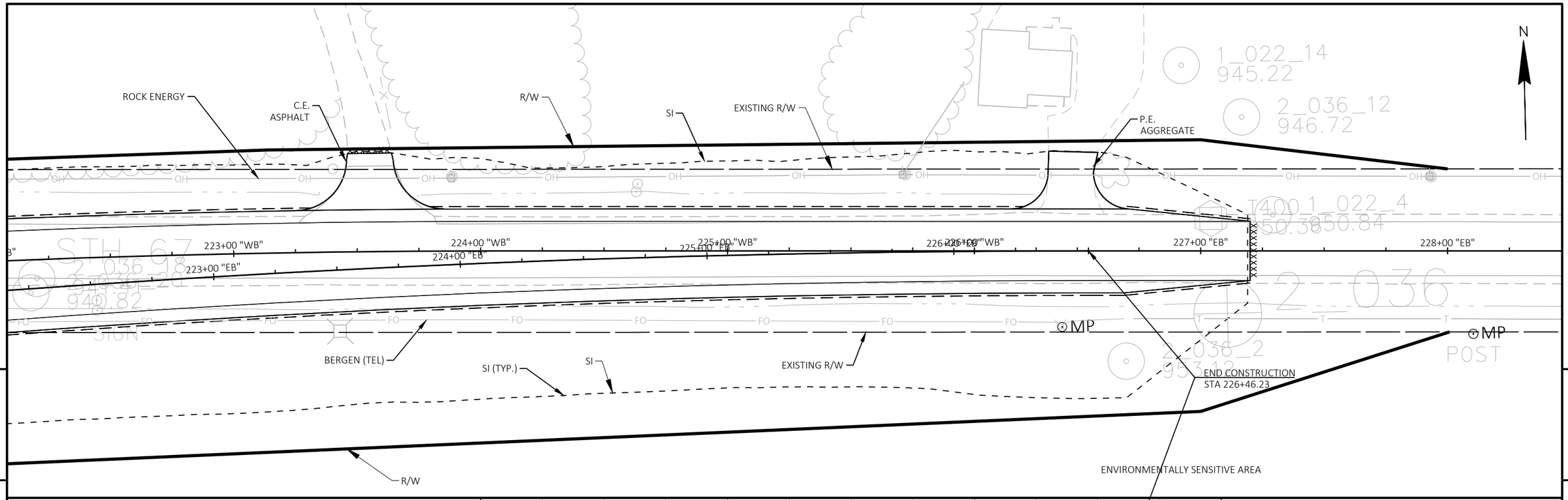


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 67 - WB	SHEET 193	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 - WB (2)

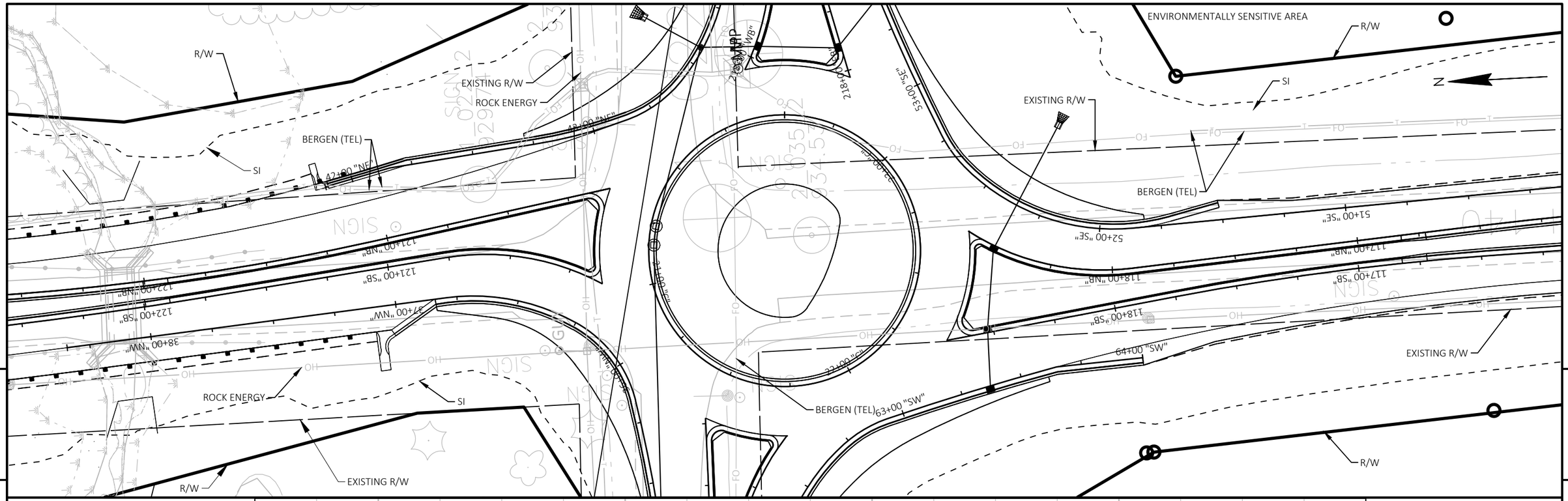
PLOT DATE : 11/18/2024 5:53 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

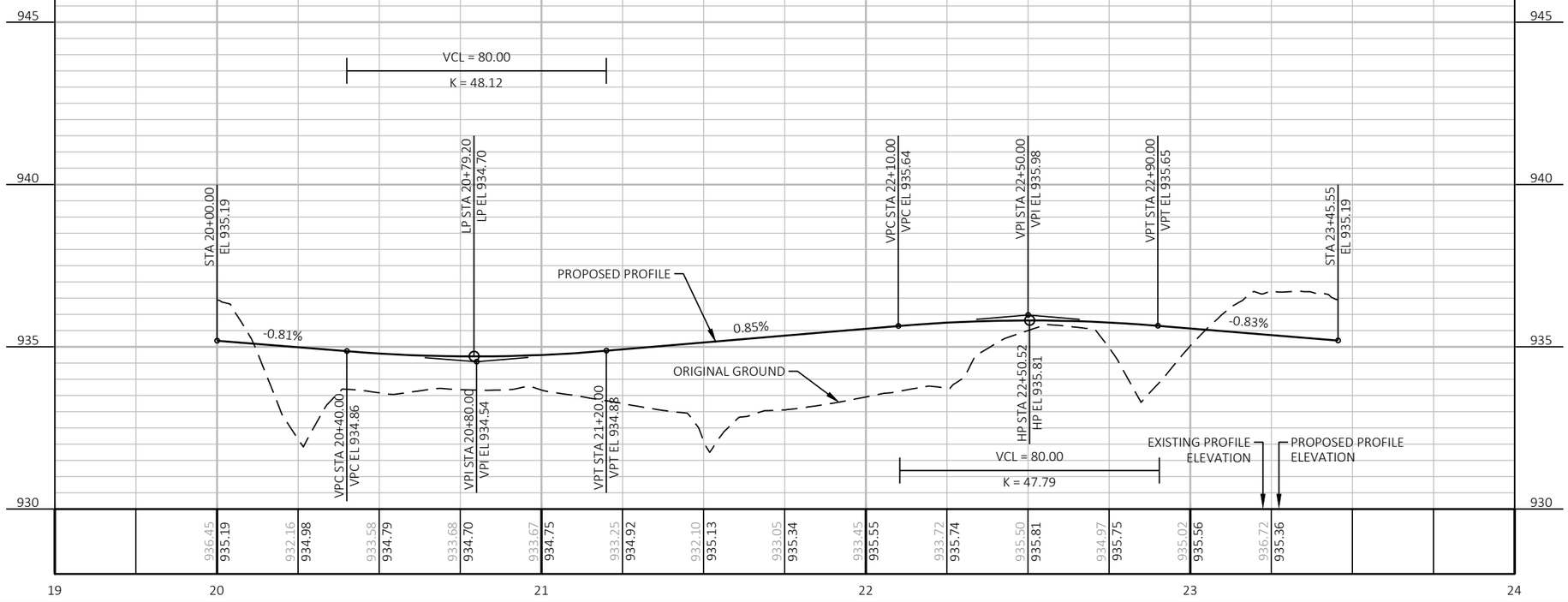
WISDOT/CADDS SHEET 44



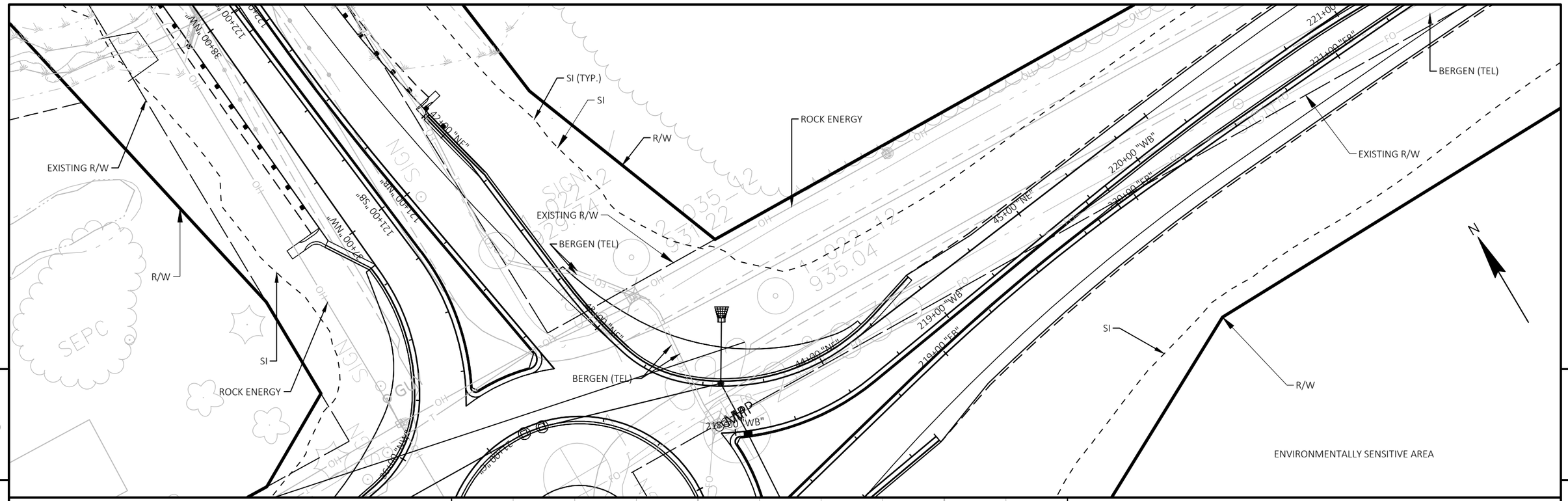
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STH 67 - WB	SHEET 194	E

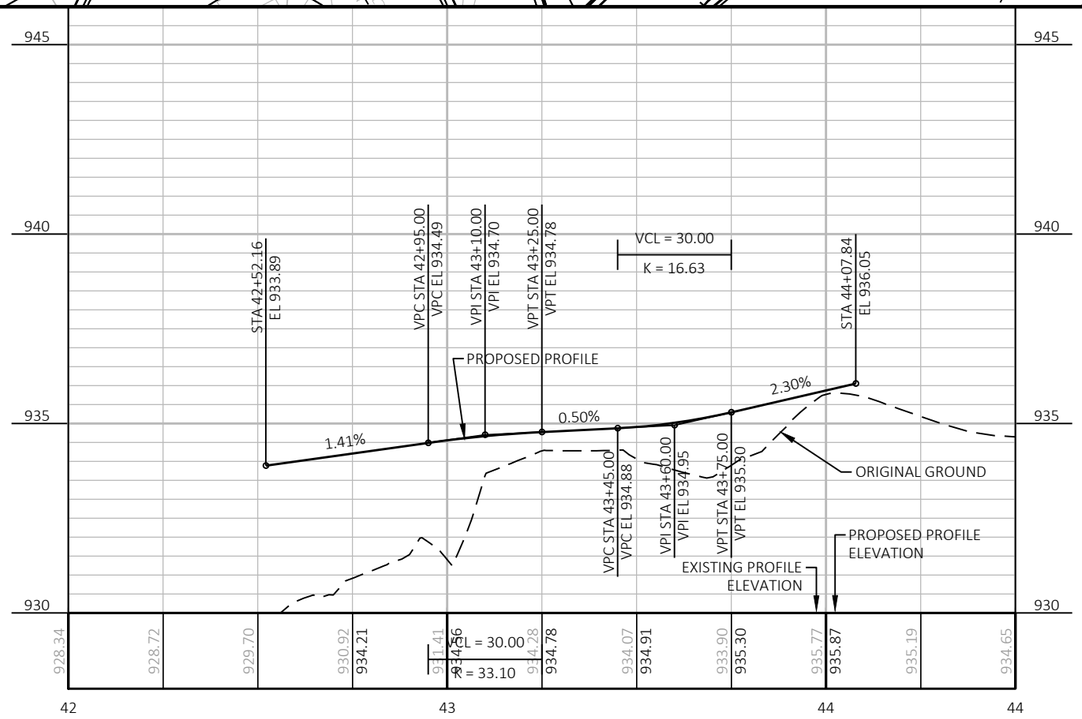
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 - WB (3)
PLOT DATE : 11/18/2024 5:55 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT



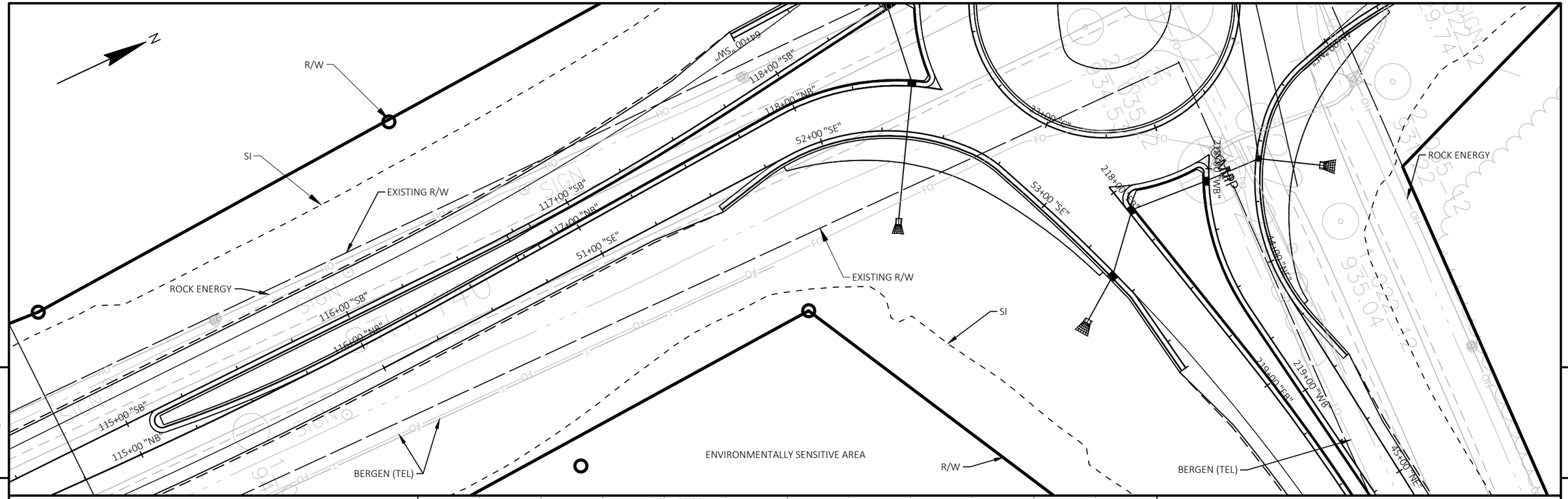


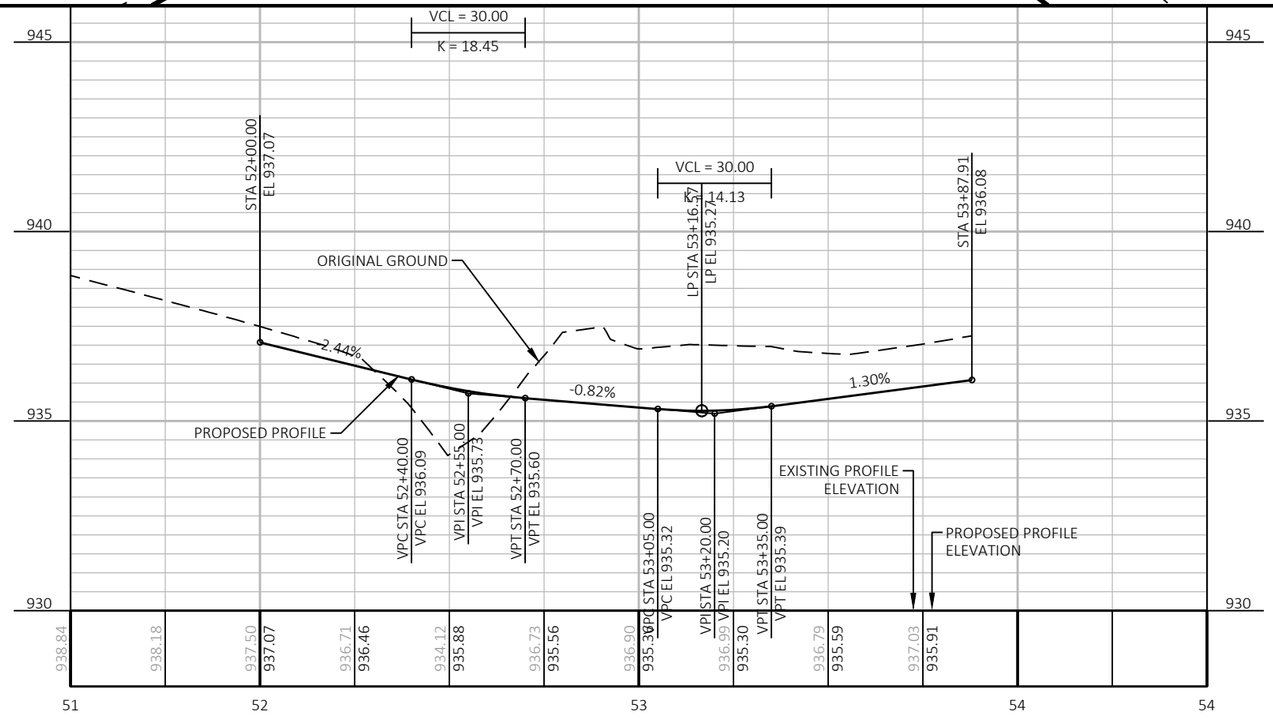
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: CIRCLE	SHEET 195	E





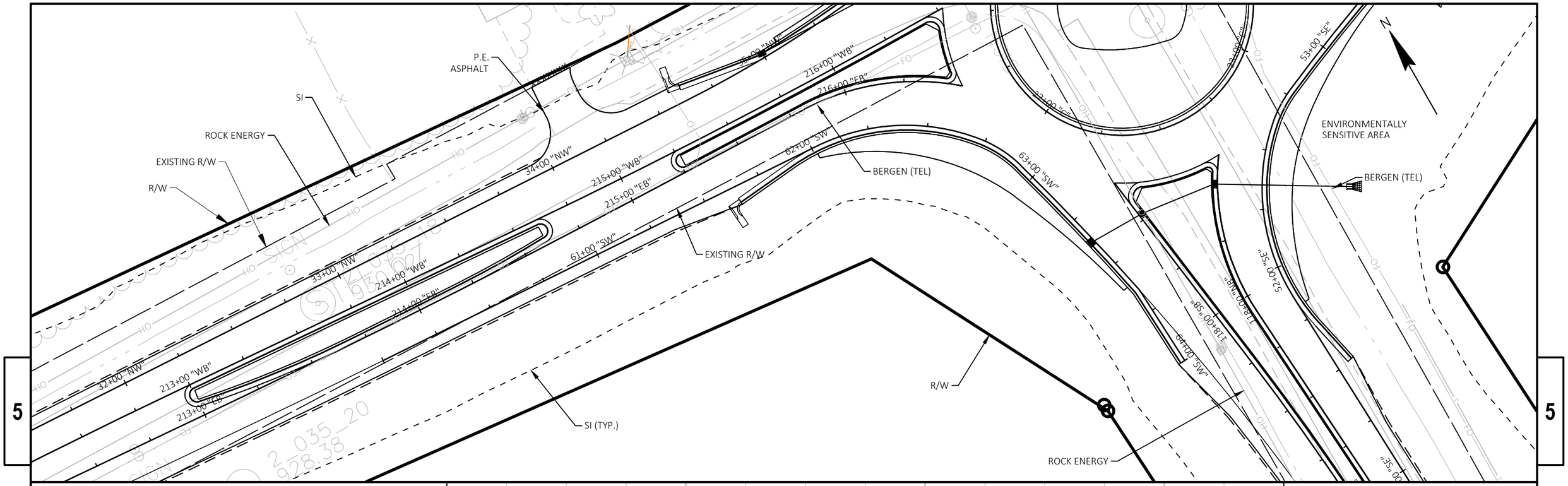
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: NE RADIUS	SHEET 196	E

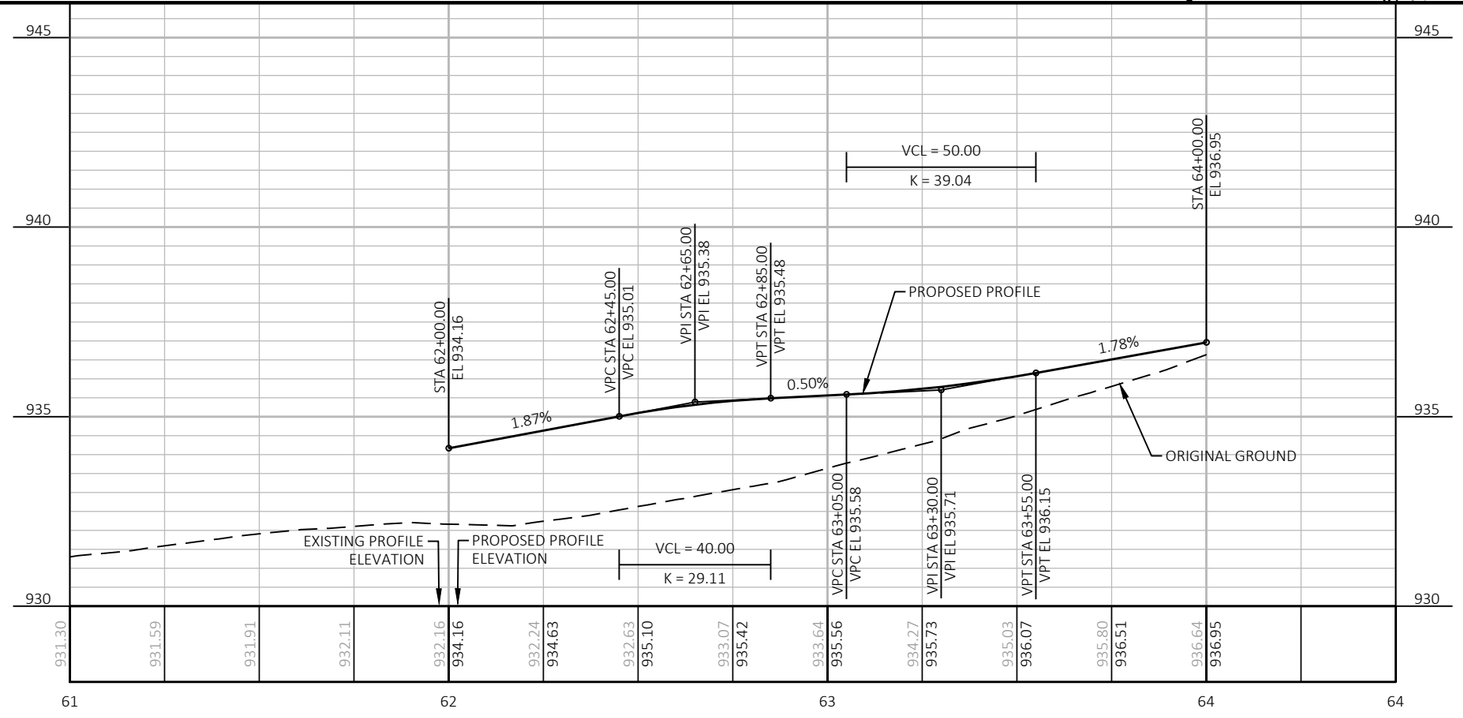




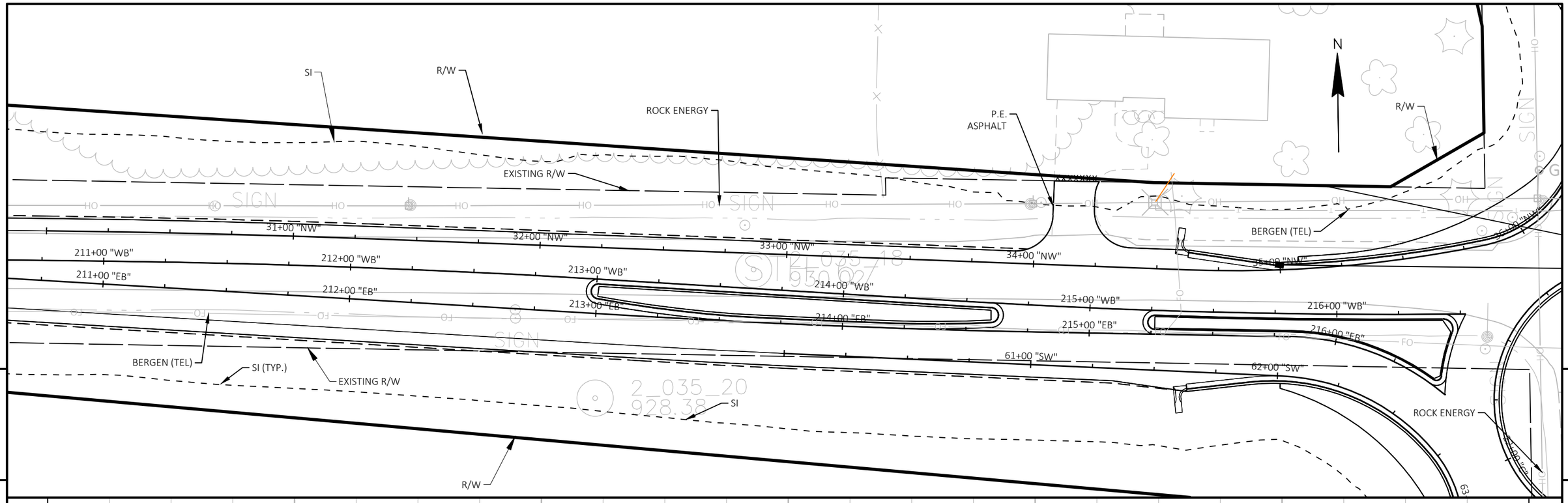
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: SE RADIUS	SHEET 197	E

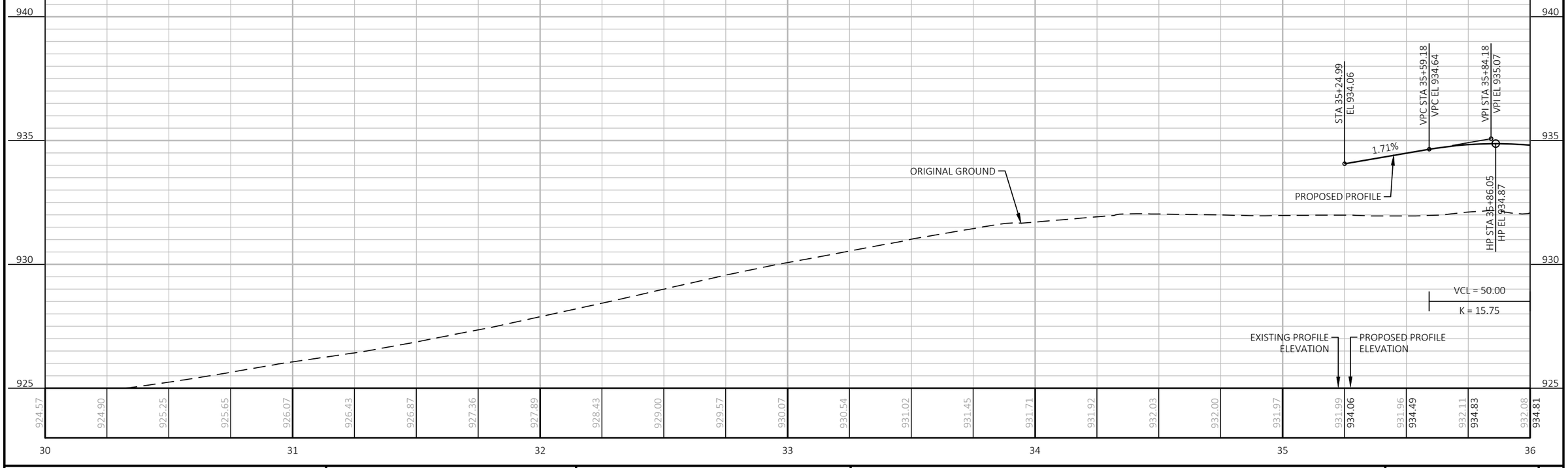
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 - SE Radius
PLOT DATE : 11/18/2024 5:58 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: SW RADIUS	SHEET 198	E



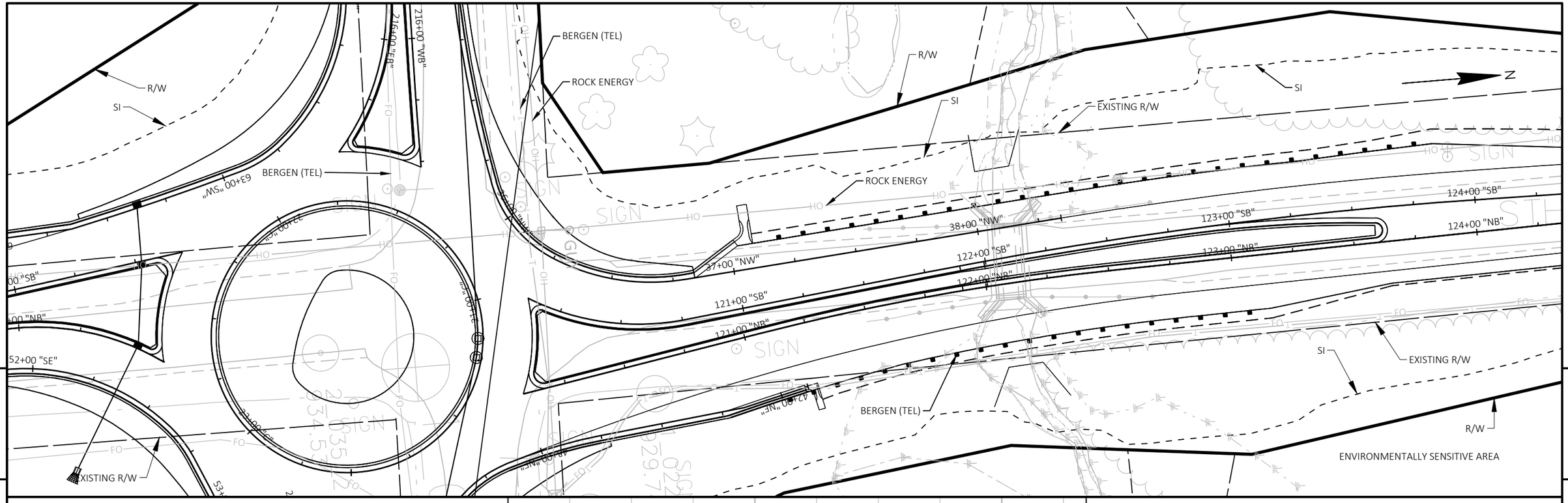


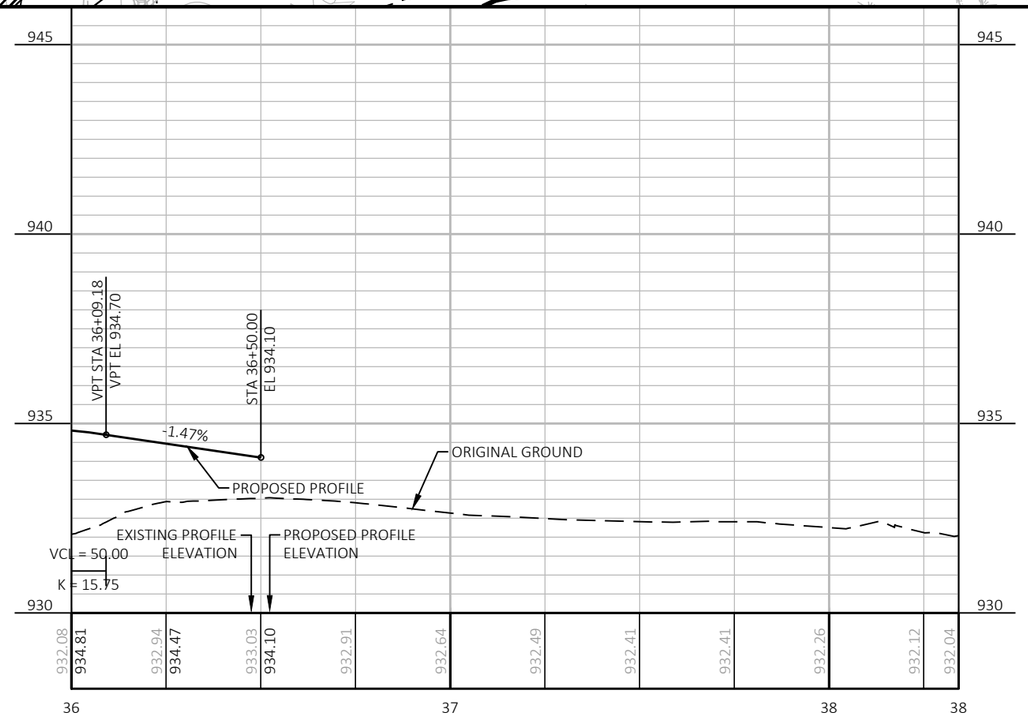
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: NW RADIUS	SHEET 199	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 - NW Radius (1)

PLOT DATE : 11/18/2024 6:00 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

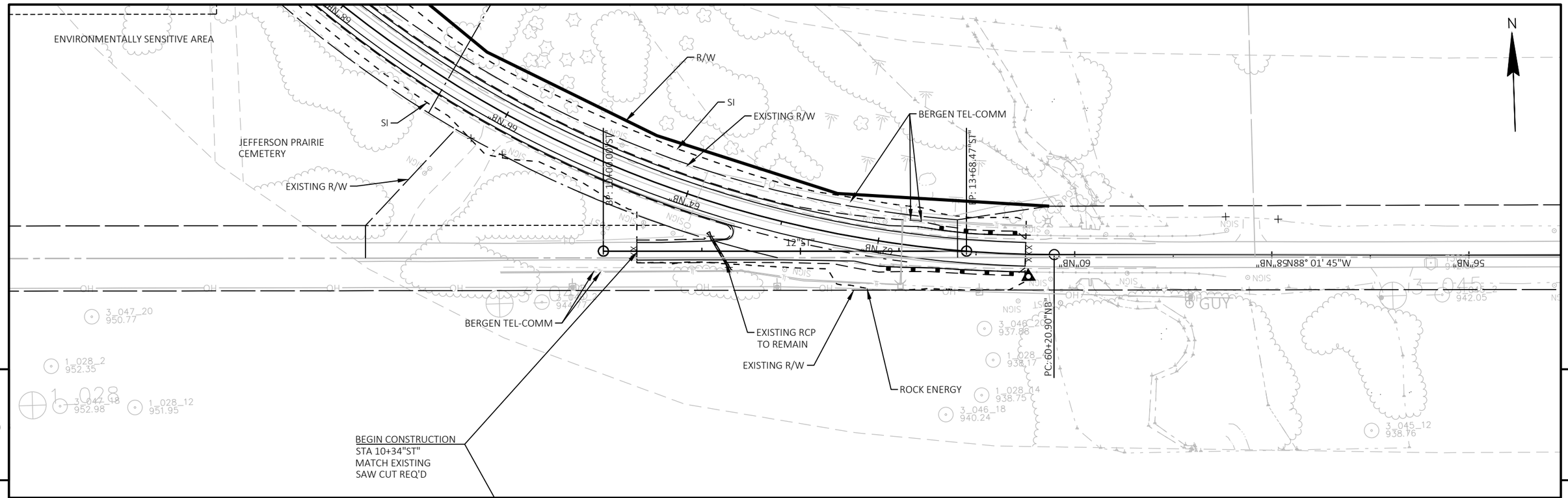
WISDOT/CADDS SHEET 44

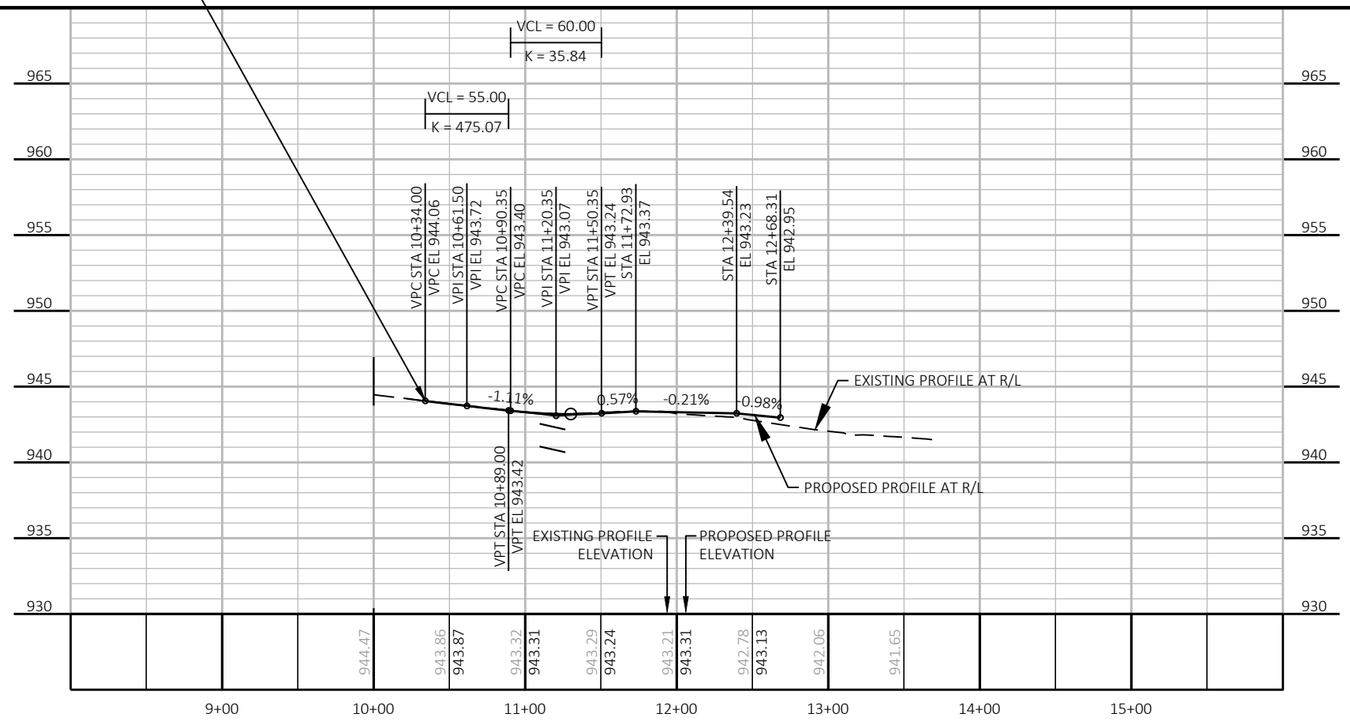




PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: NW RADIUS	SHEET 200	E

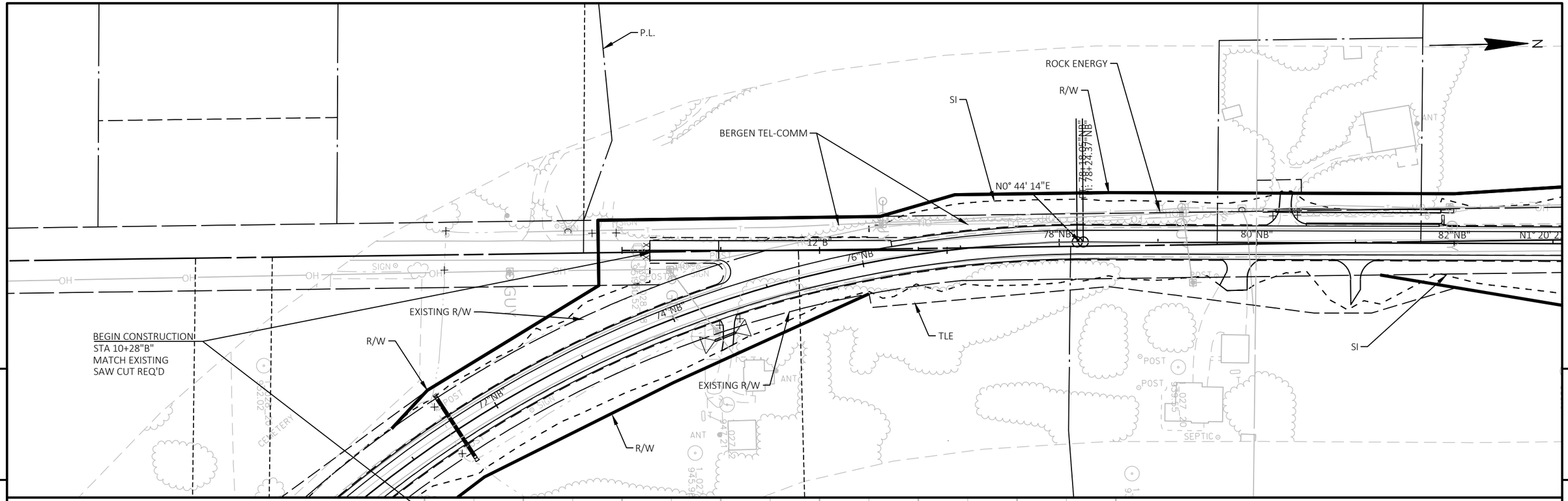
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_RAB 67_PP.DWG
LAYOUT NAME - STH 67 - NW Radius (2)
PLOT DATE : 11/18/2024 6:01 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

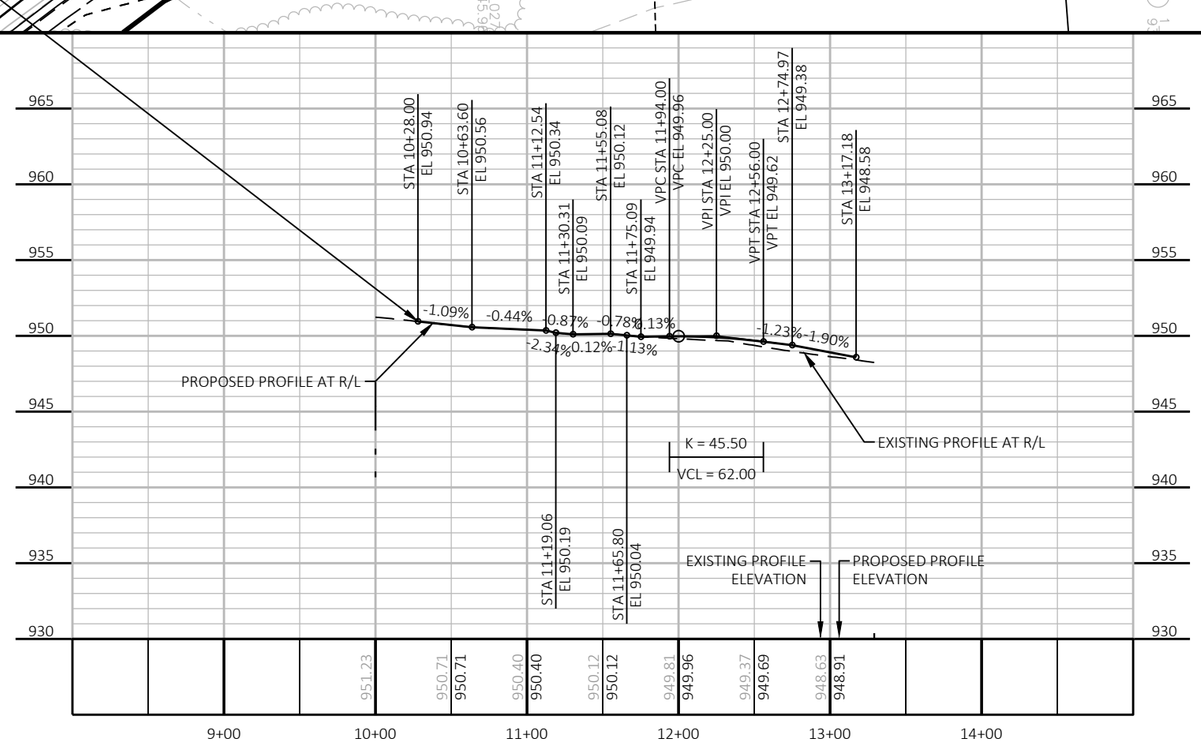




PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: STATE LINE RD	SHEET 201	E

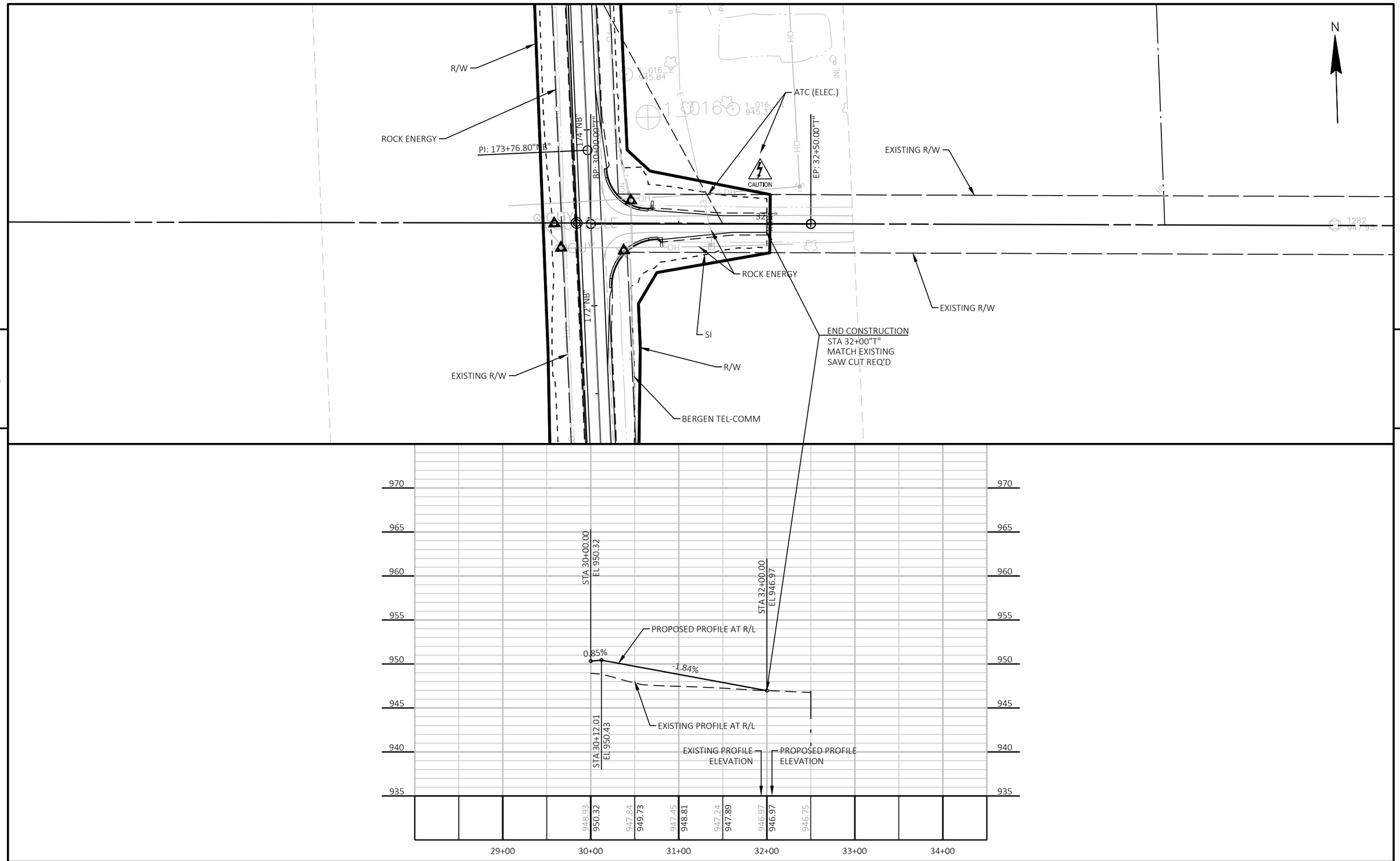
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_PP-SIDEROADS.DWG
LAYOUT NAME - State Line
PLOT DATE : 11/18/2024 6:02 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT





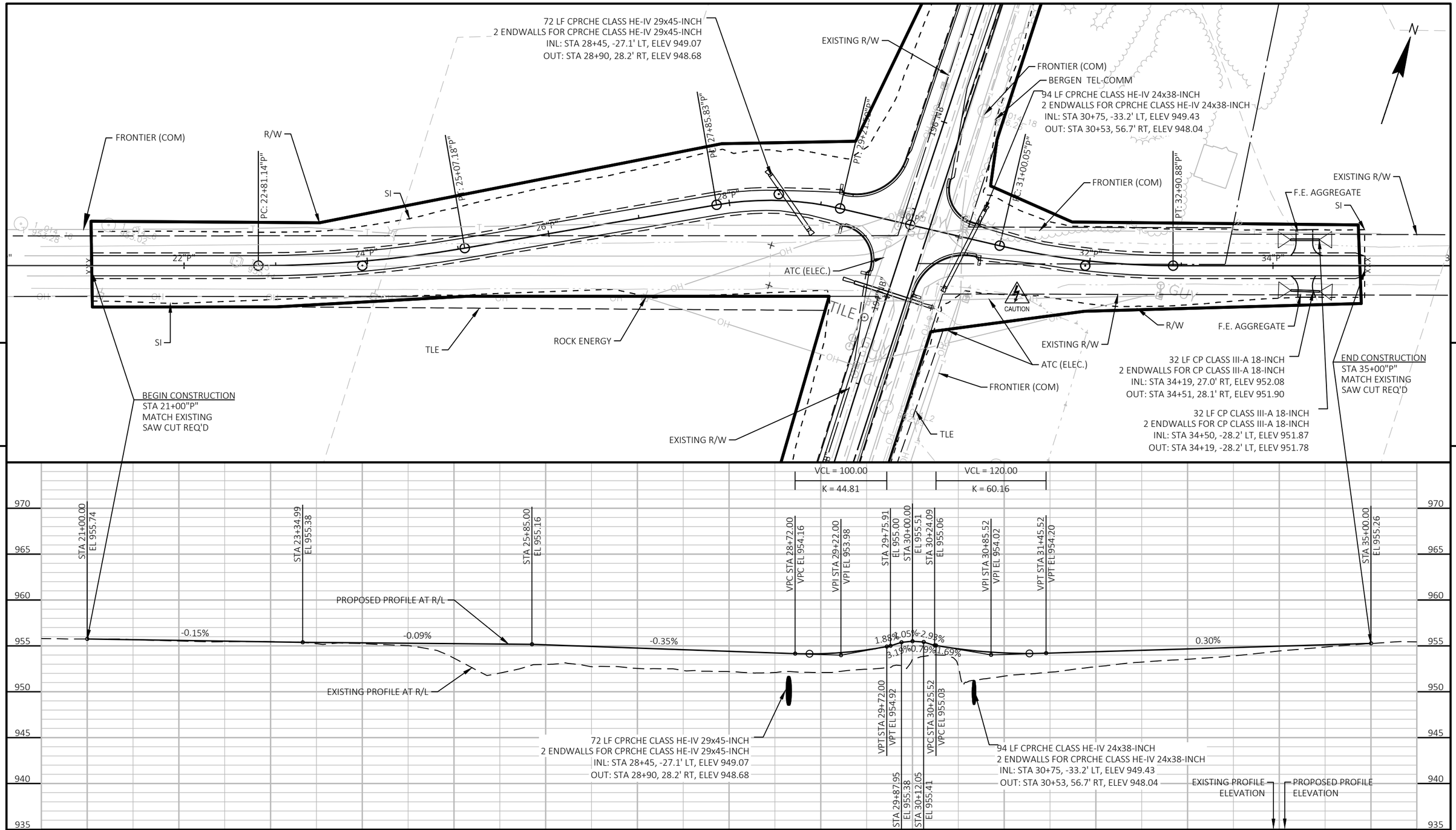
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: BERGEN RD	SHEET 202	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_PP-SIDEROADS.DWG
LAYOUT NAME - Bergen
PLOT DATE : 11/18/2024 6:02 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



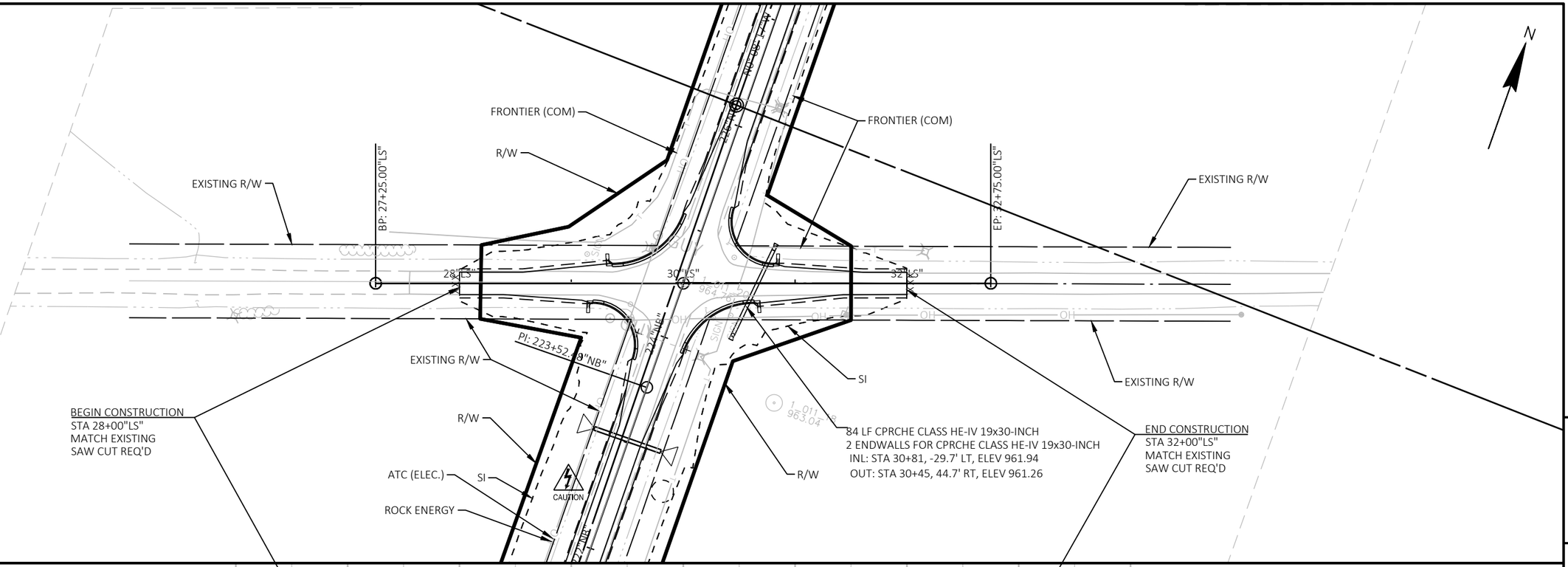
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: TIGHE RD	SHEET 203	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_PP-SIDEROADS.DWG
LAYOUT NAME - Tighe
PLOT DATE : 11/18/2024 6:03 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT



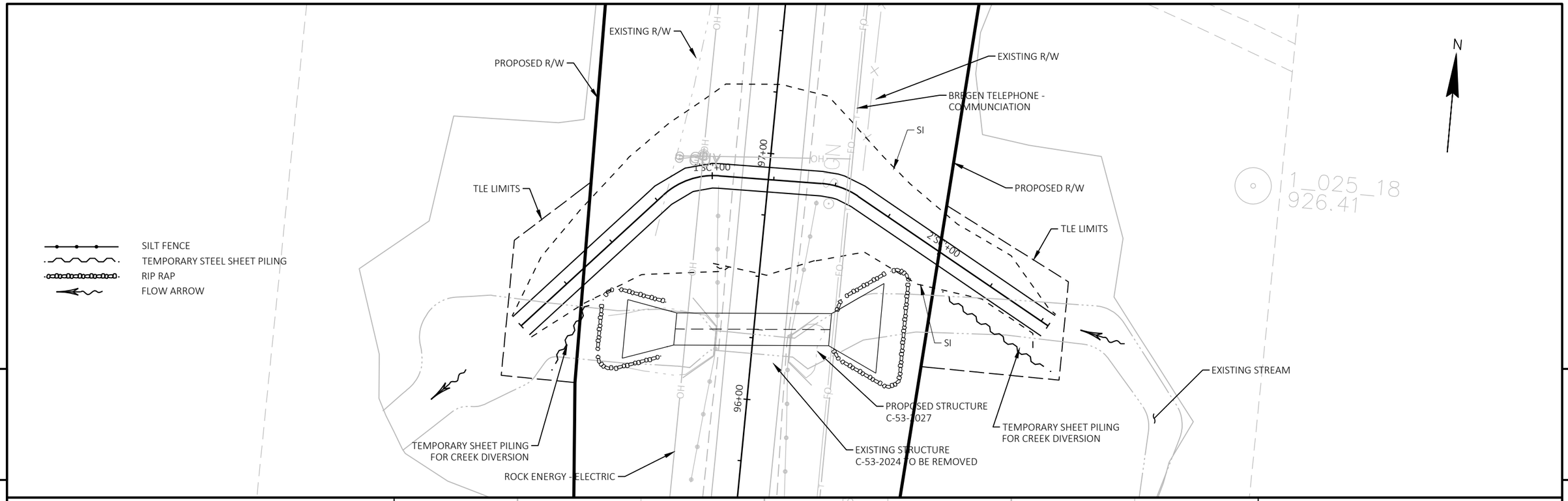
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: CTH P	SHEET 204	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_PP-SIDEROADS.DWG
LAYOUT NAME - CTH P
PLOT DATE : 11/18/2024 6:04 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT



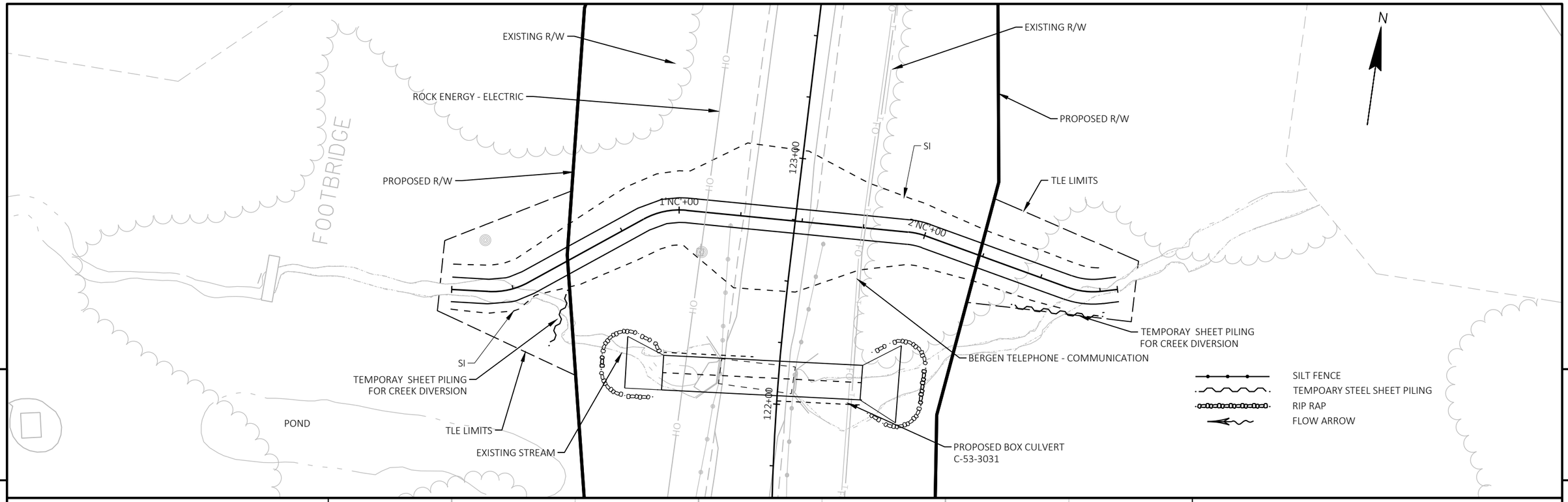
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: LAKESHORE RD	SHEET 205	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\050102_PP-SIDEROADS.DWG
LAYOUT NAME - Lakeshore
PLOT DATE : 11/18/2024 6:05 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: TEMP CHANNEL - C-53-2027	SHEET 206	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022002-TC.DWG
LAYOUT NAME - 022018-ch
PLOT DATE : 11/19/2024 10:58 AM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	PLAN AND PROFILE: TEMP CHANNEL - C-53-3031	SHEET 207	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\022002-TC.DWG
LAYOUT NAME - 022019-ch
PLOT DATE : 11/19/2024 10:58 AM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:40 FT

Standard Detail Drawing List

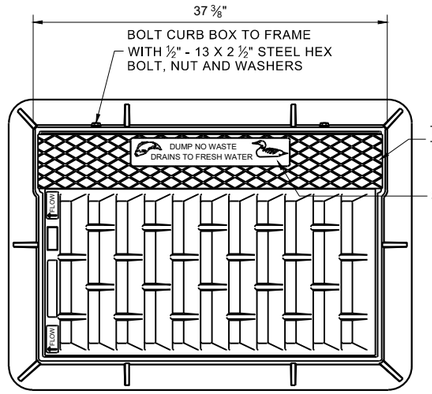
08A05-21A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-21C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08A08-03	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-14B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09D05-02	L30 LIGHTING CONTROL CABINET 240/480 VOLT
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13A10-03A	SHOULDER RUMBLE STRIPS - ASPHALT
13A10-03G	SHOULDER AND EDGE LINE RUMBLE STRIPS - CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS
13A11-04A	CENTERLINE RUMBLE STRIPS - ASPHALT
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
13C19-03	HMA LONGITUDINAL JOINTS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B47-05A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23D	PAVEMENT MARKING (TURN LANES)

6

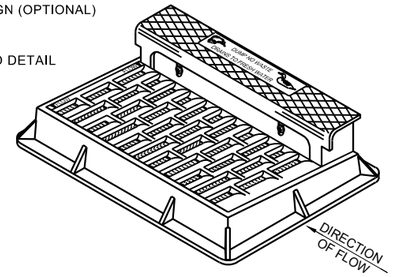
Standard Detail Drawing List

15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

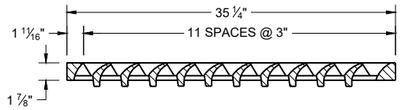
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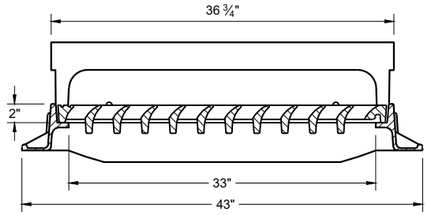


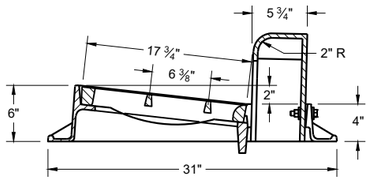
NOTE: EITHER CASTING IS ACCEPTABLE

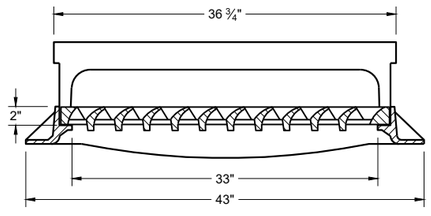


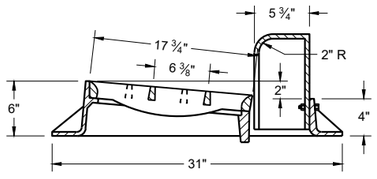
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







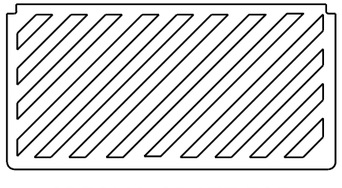




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

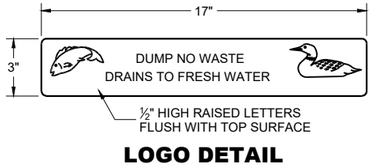
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



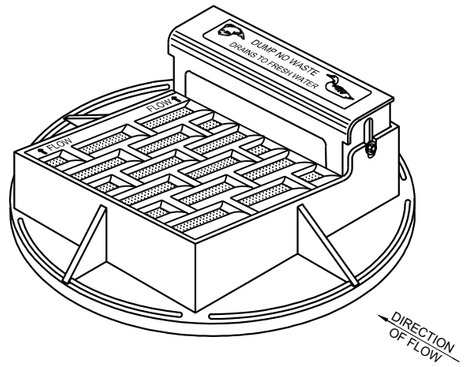
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

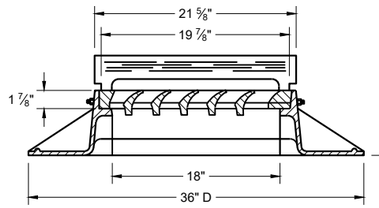


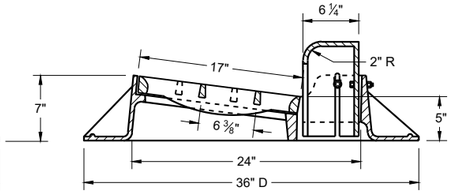
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





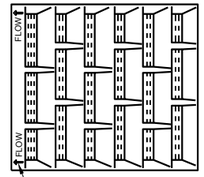
TYPE "A"

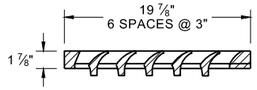
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

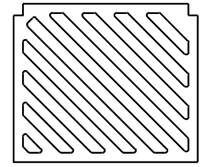
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





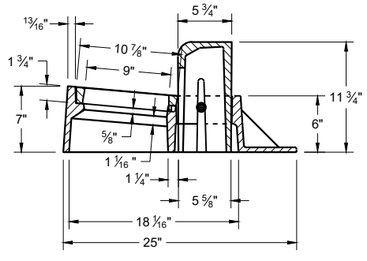
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



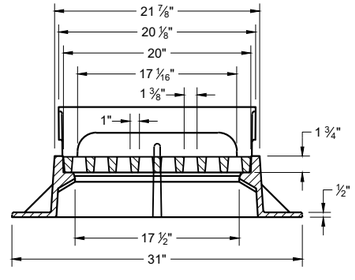
SPECIAL GRATE FOR TYPE "A" COVER

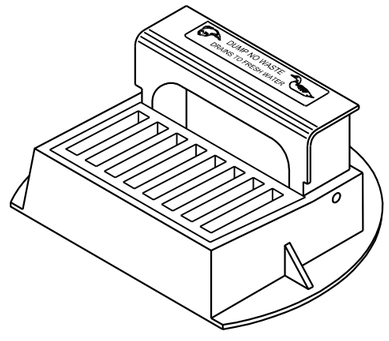
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

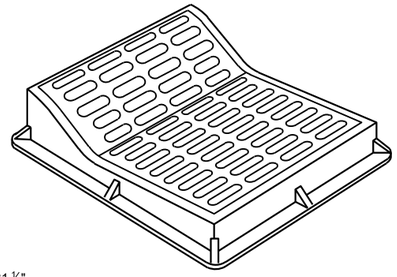
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

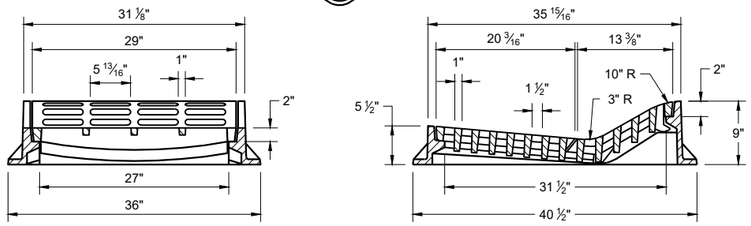
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

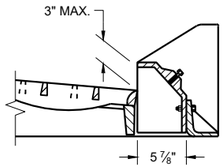
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

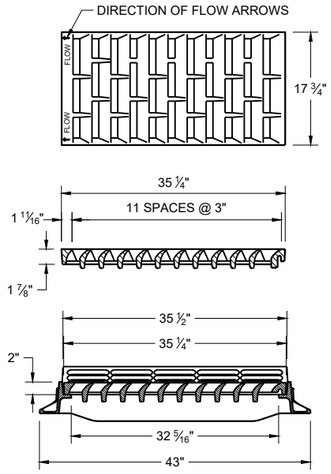


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

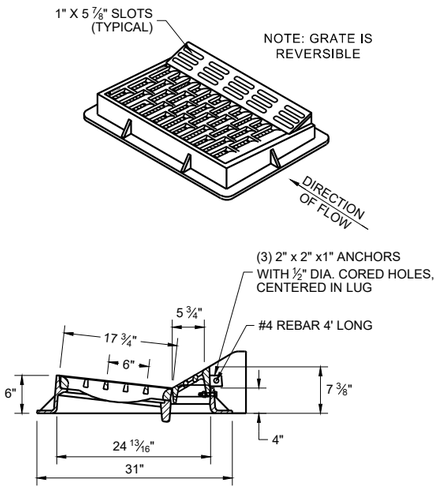
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



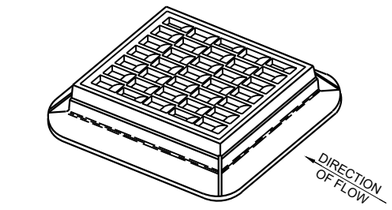
TYPE "HM"

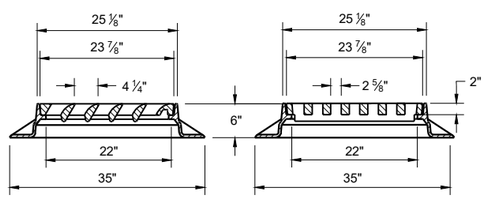
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



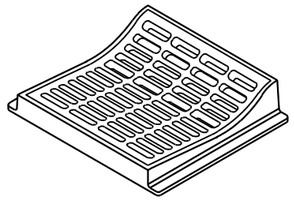
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

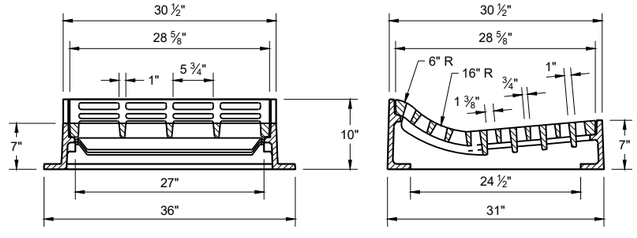
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

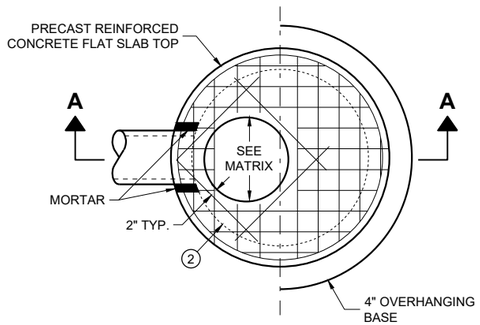
INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

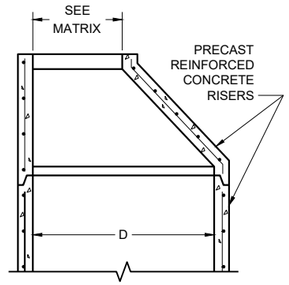
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

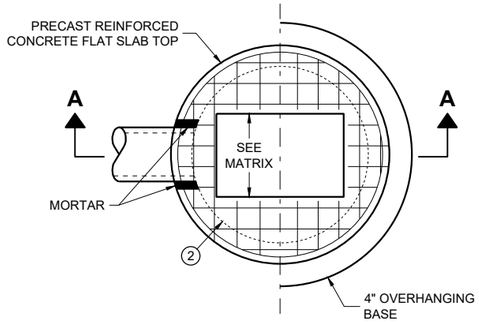
6
SDD 08A05-21c



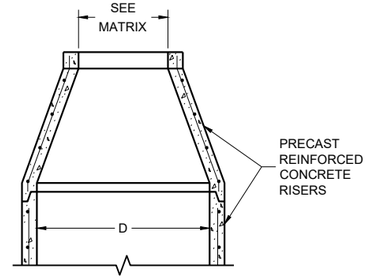
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

COVER MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	VV-B	WM	Z
	OPENING SIZE (FT.)												
3-FT	2 X 2	X	X					X		X			
	2 DIA.				X								X
4-FT TO 6-FT	2 X 2	X	X					X		X			
	2 X 2.5			X				X	X	X		X	
	2 DIA.				X								X
	2 X 3						X						
	2.5 X 3					X							
	2 X 3.5*										X*		

* REQUIRES 5-FT DIAMETER OR LARGER STRUCTURE

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

GENERAL NOTES

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UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USE ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

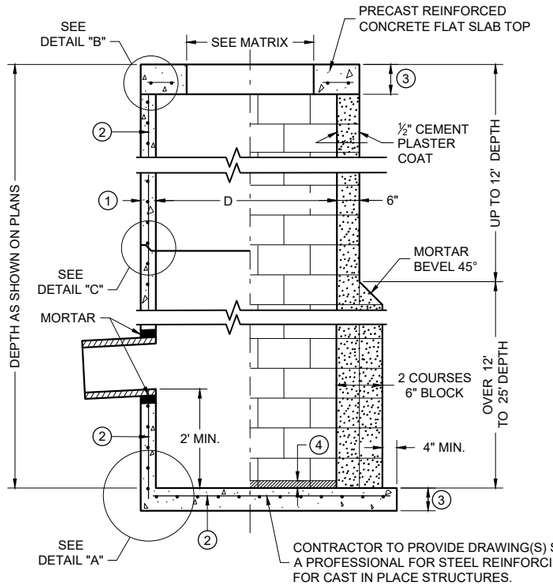
(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

(2) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

(4) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

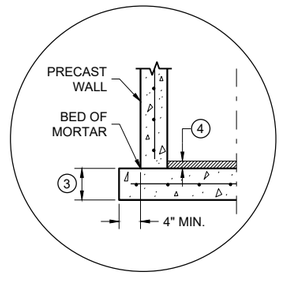
(5) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFROMING TO ASTM C443.



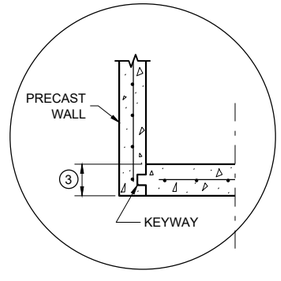
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

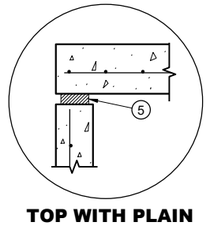


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

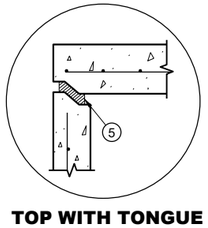


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

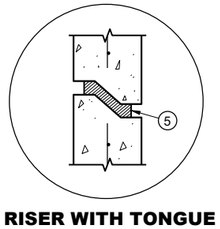
DETAIL "A"



TOP WITH PLAIN END JOINT

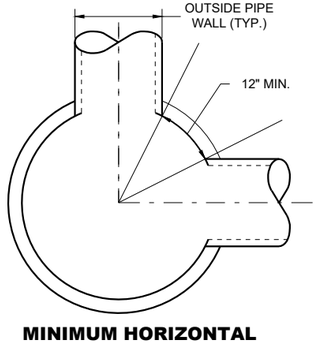


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

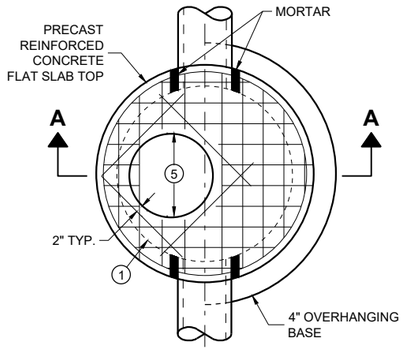
DETAIL "D"

CATCH BASINS, 3-FT. 4-FT., 5 FT., AND 6-FT. DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

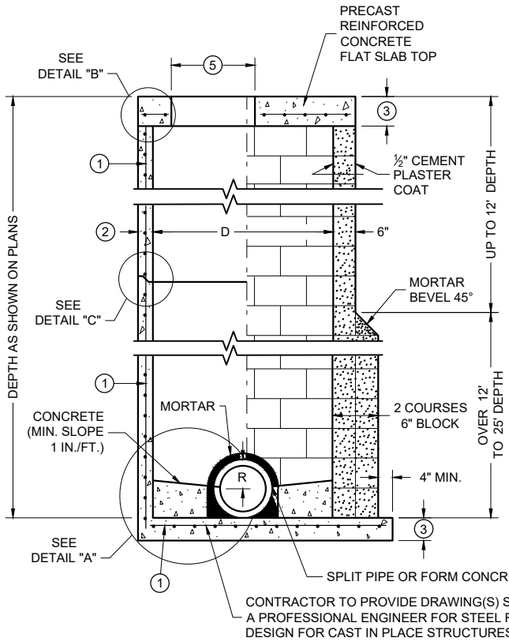
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FHWA

6
SDD 08A08-03



PLAN VIEW

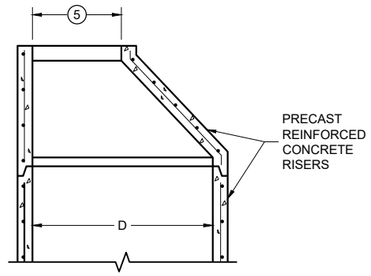
CIRCULAR OPENING



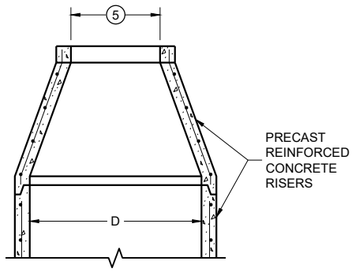
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

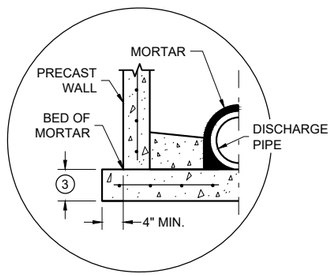
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



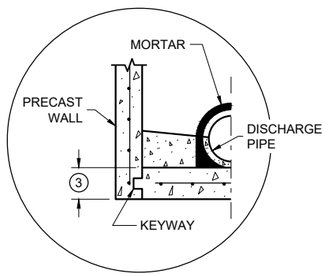
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

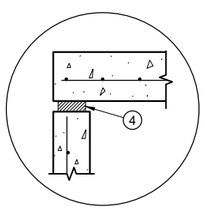


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

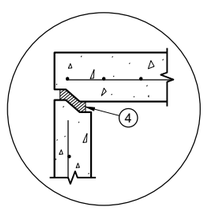


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

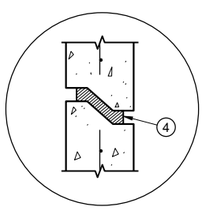
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

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BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

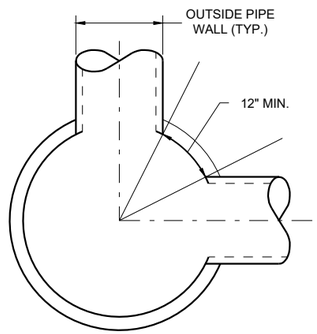
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

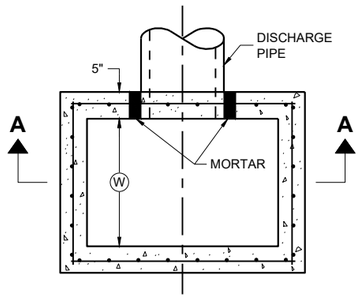
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

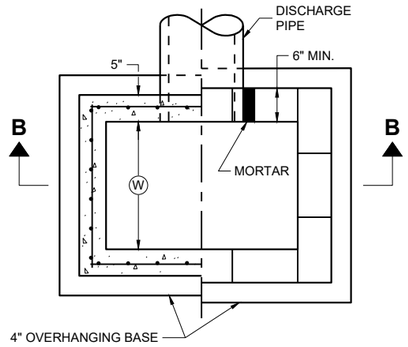
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DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

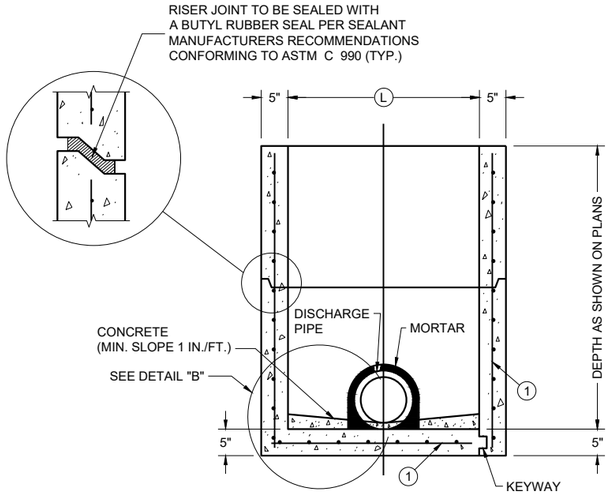
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PLAN VIEW



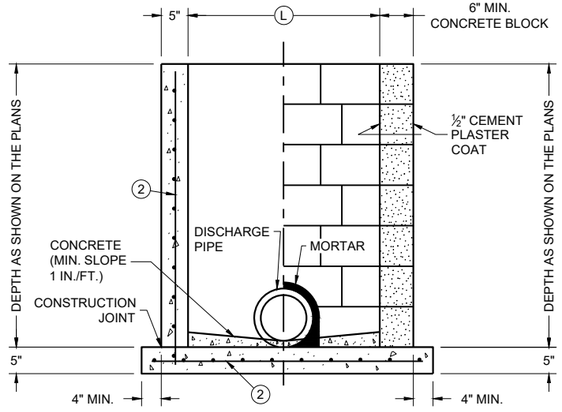
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

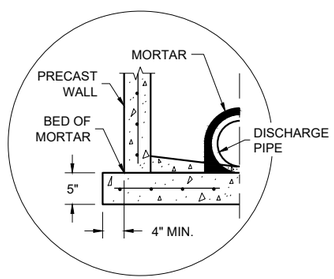
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

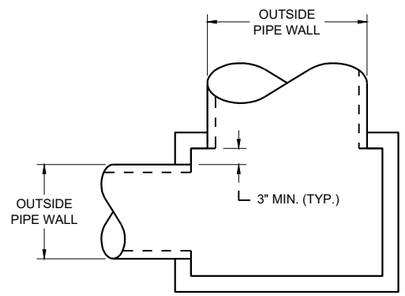
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

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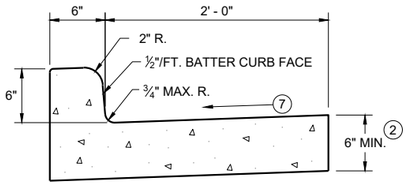
APPROVED
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

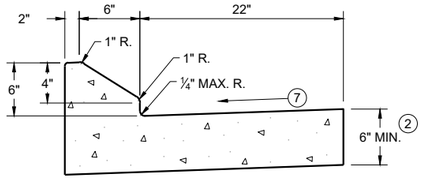
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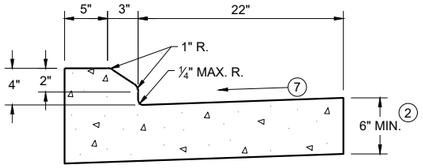
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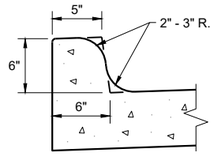
TYPES A (1) & D



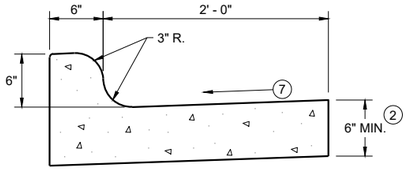
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

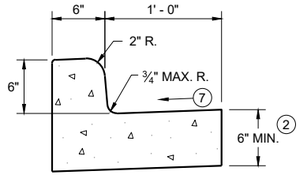


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



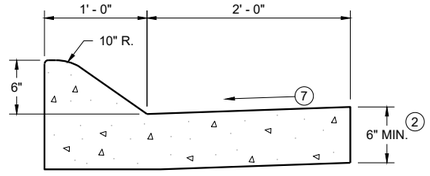
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

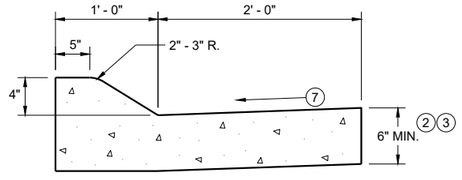


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

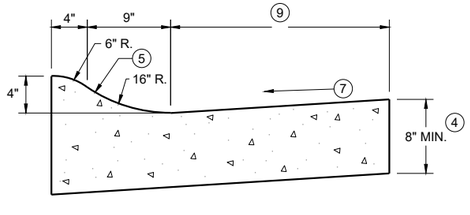


6" SLOPED CURB TYPES A (1) & D



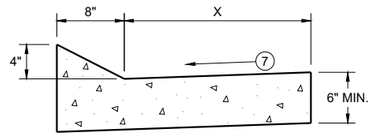
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

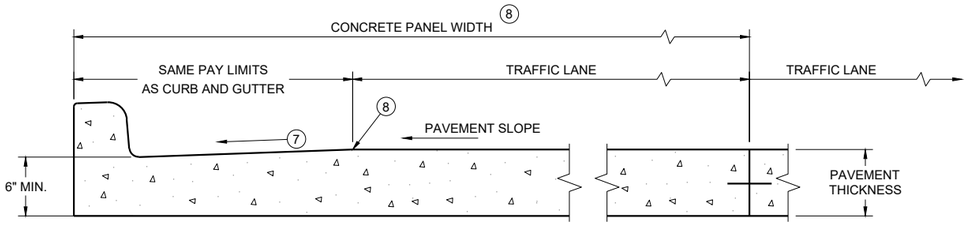


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

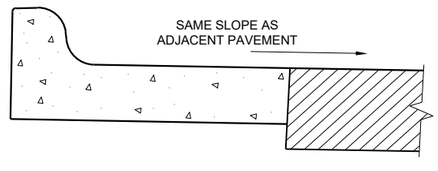
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

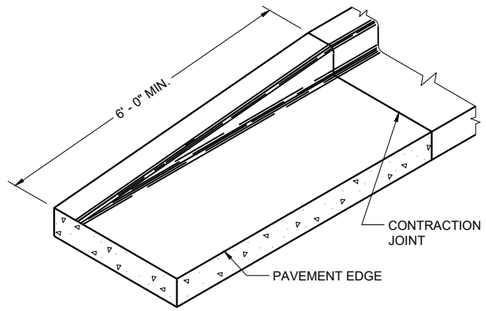
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

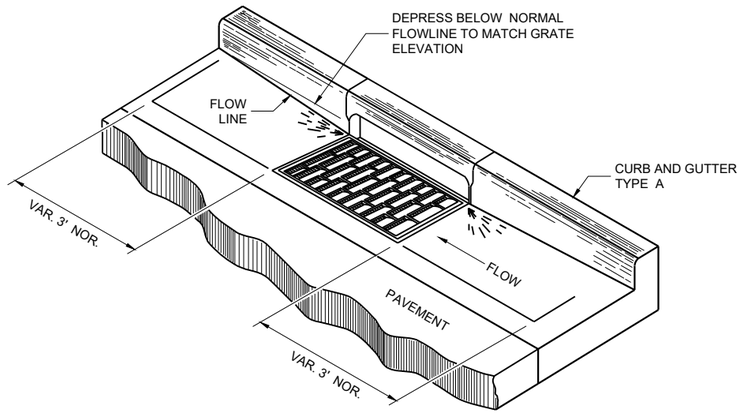
STATE OF WISCONSIN
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SDD 08D01-23a

6



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

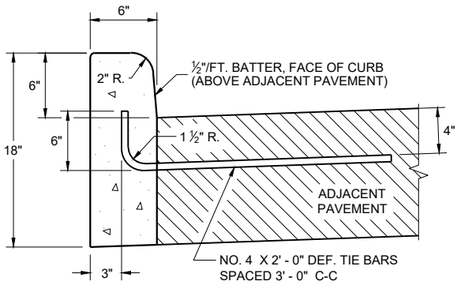
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

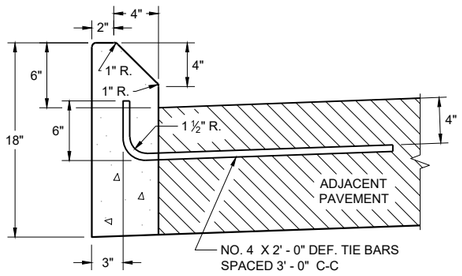
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

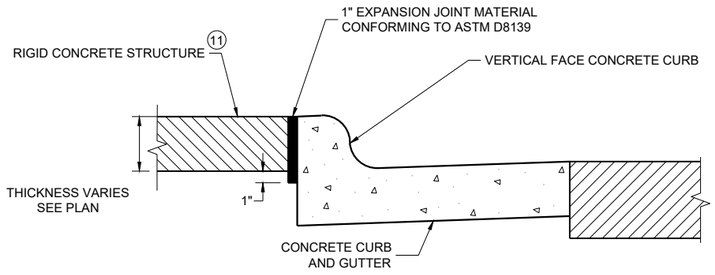


TYPES A (1) & D

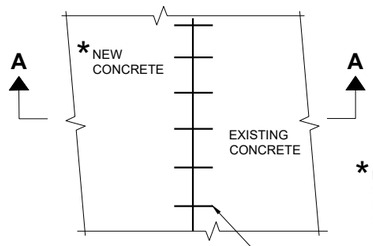


TYPES G (1) & J

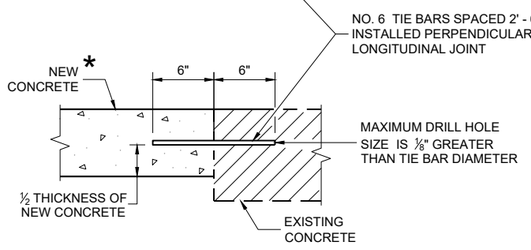
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

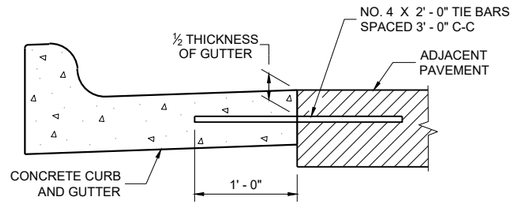


PLAN VIEW

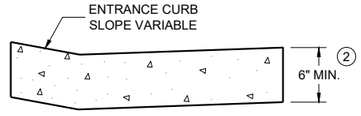


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

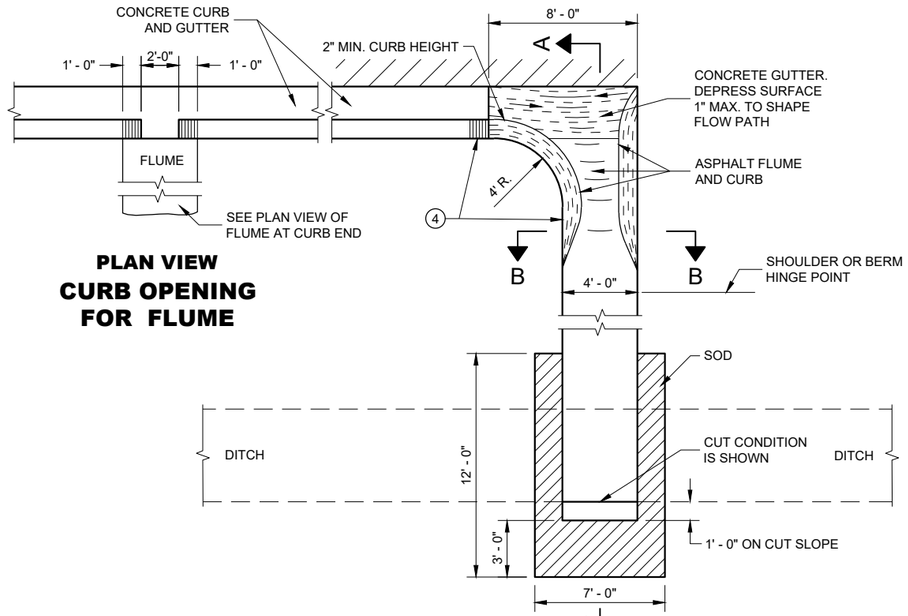
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

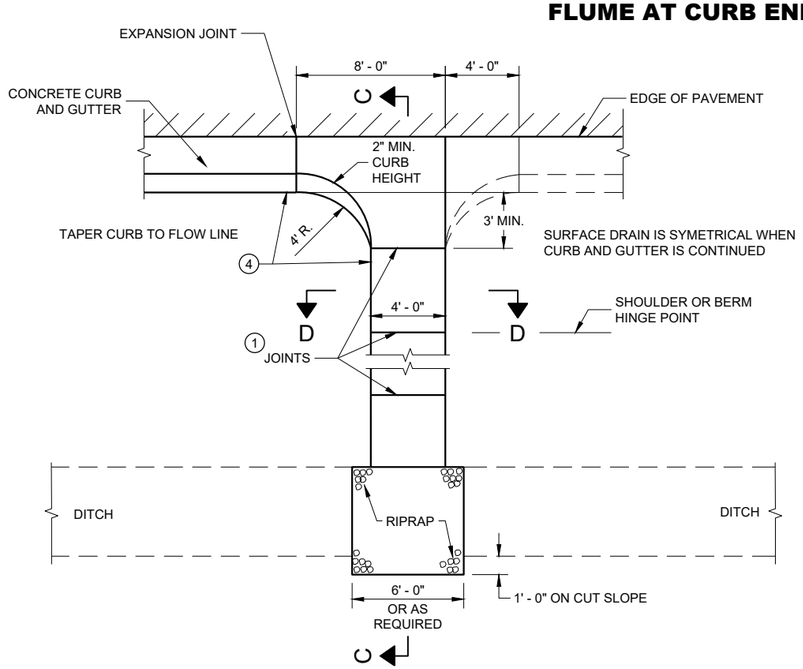
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



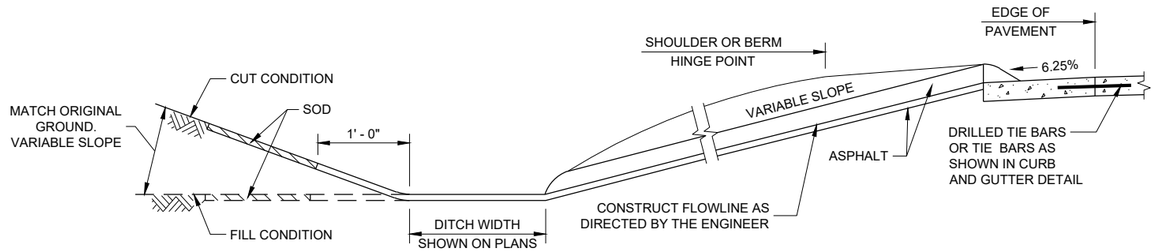
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

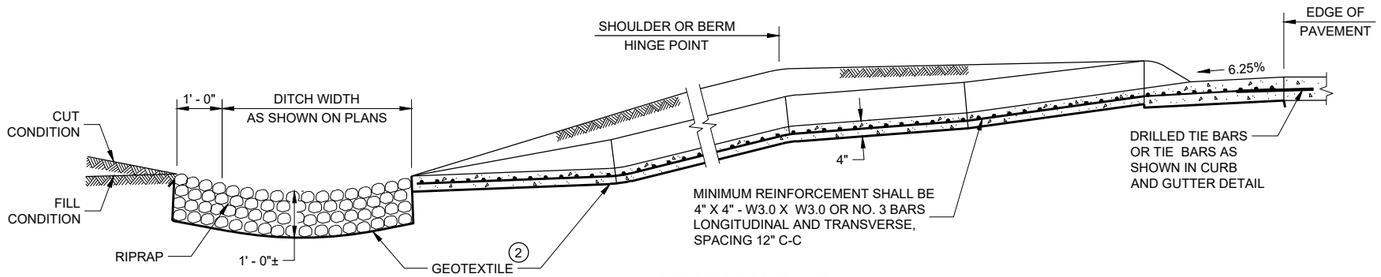
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

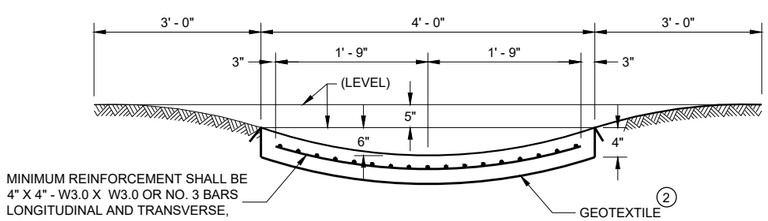


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

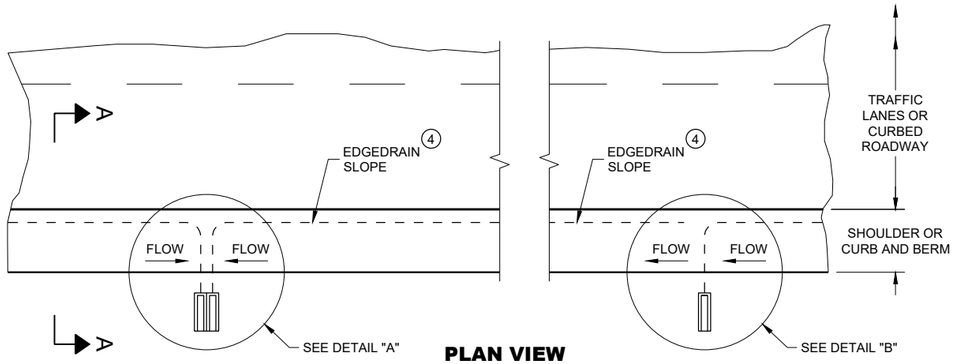
APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

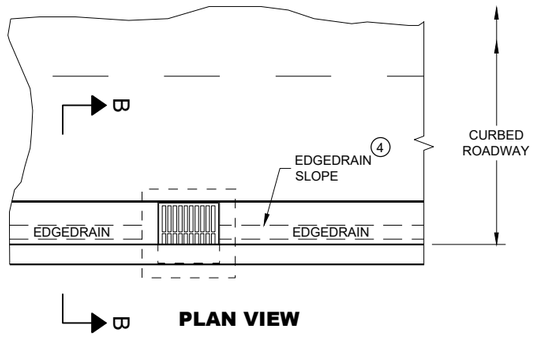
6

SDD 08D04 - 07
SDD 08D04 - 07



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS
(EDGEDRAIN CONNECTS TO ROADSIDE) (2)



PLAN VIEW

ROADWAY WITH CURBS
(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

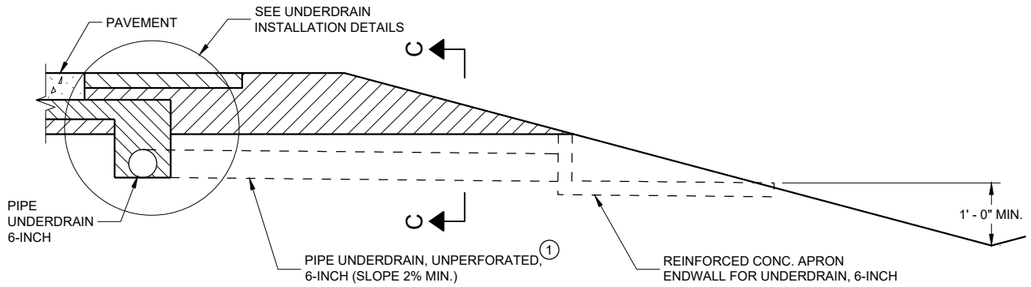
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

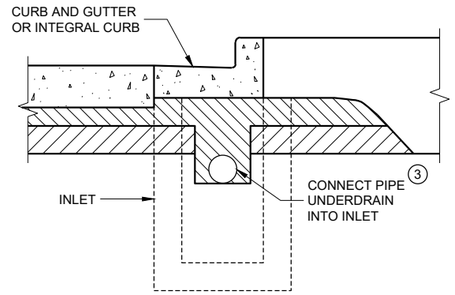
(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



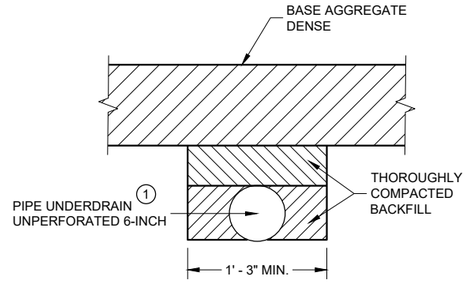
SECTION A - A

RURAL CROSS SECTION



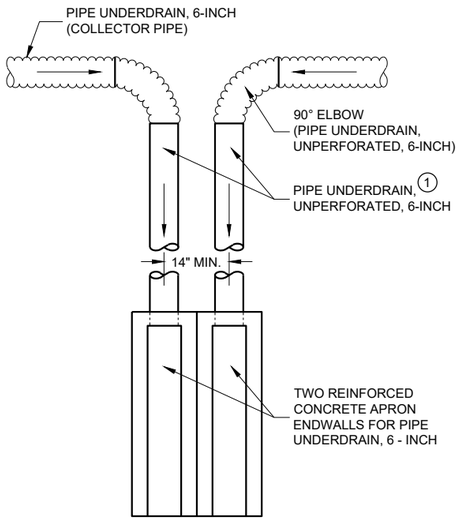
SECTION B - B

URBAN CROSS SECTION

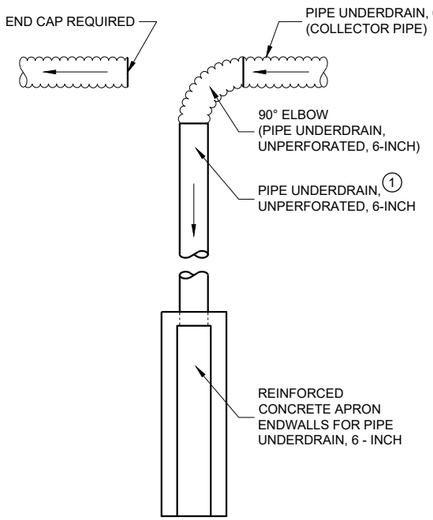


SECTION C - C

TRENCH FOR OUTFALL PIPE

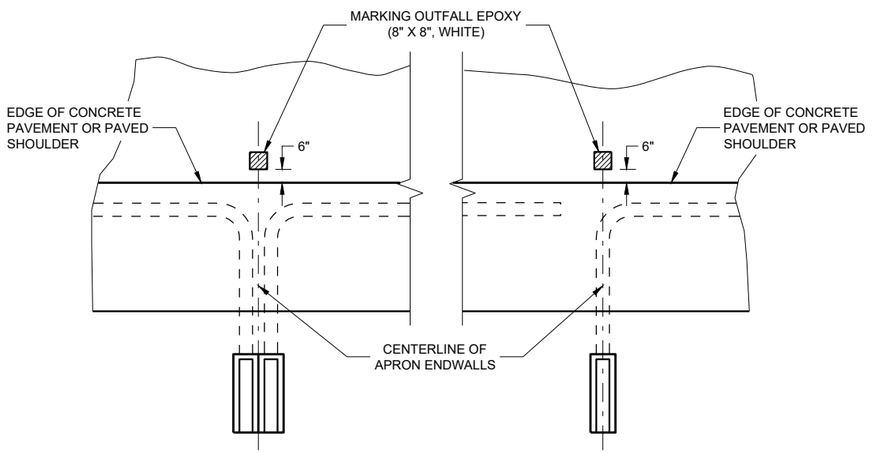


DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS



DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



LOW POINT LOCATIONS — INTERMEDIATE LOCATIONS

PAVEMENT MARKINGS FOR OUTFALL MARKERS

EDGEDRAIN OUTLET AND OUTFALL MARKERS

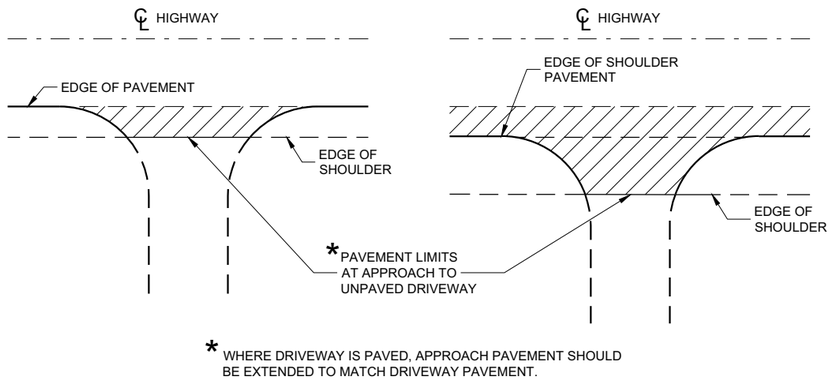
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD08D15 - 05a

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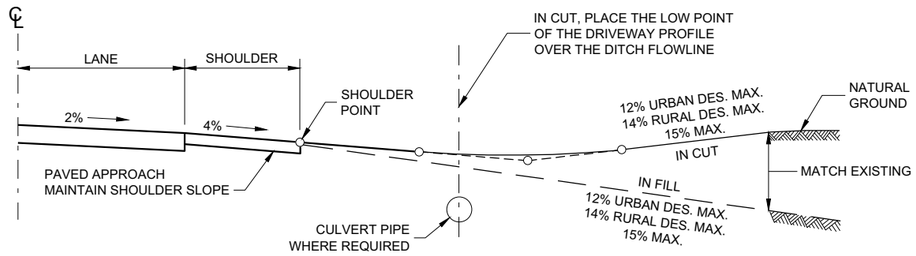
SDD08D15 - 05a



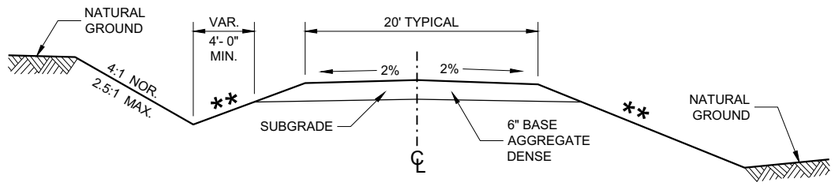
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

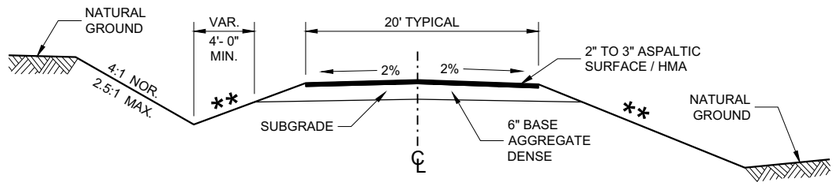


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

6

SDD 08D21 - 01

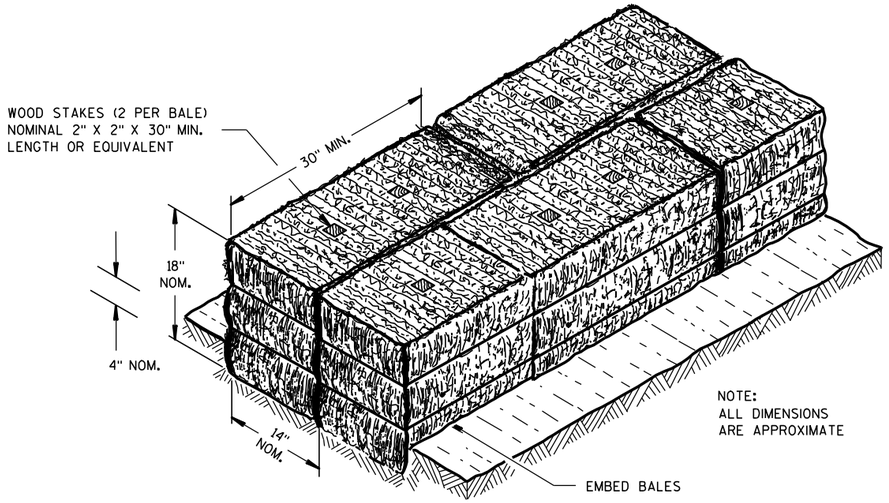
SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

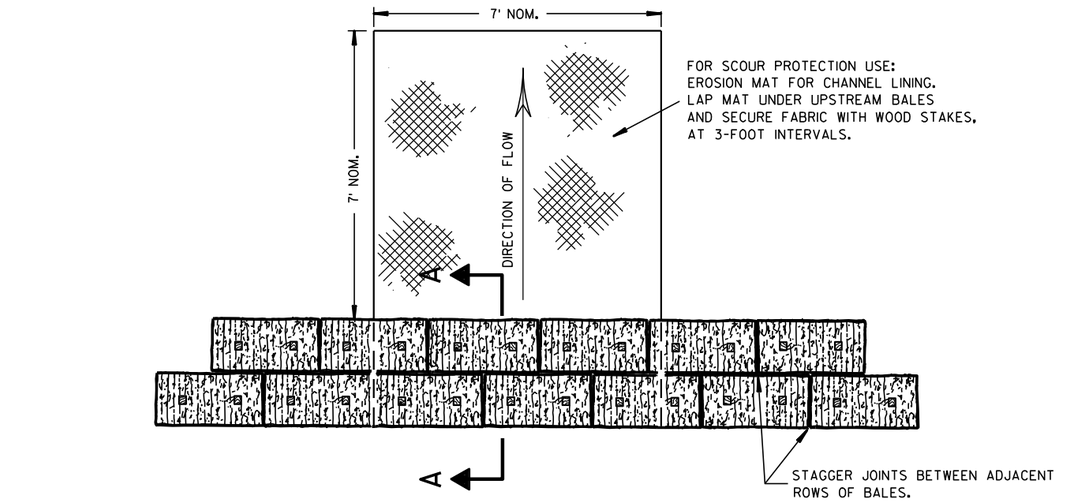
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

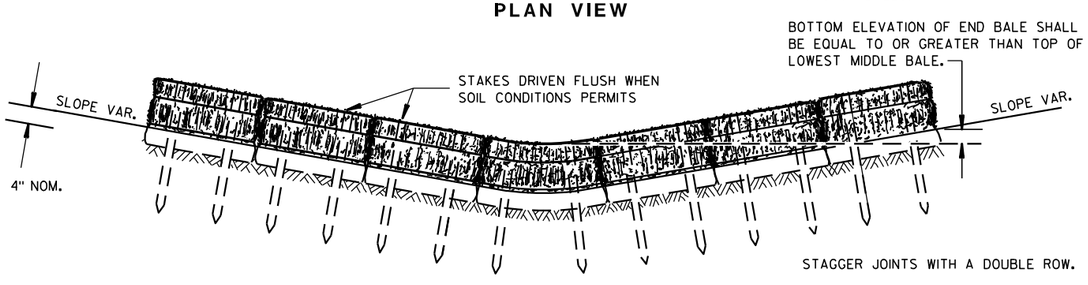
FHWA



SECTION A-A



PLAN VIEW



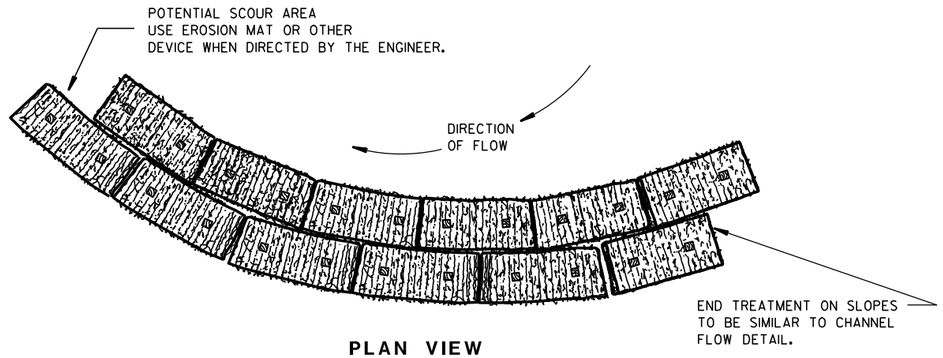
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

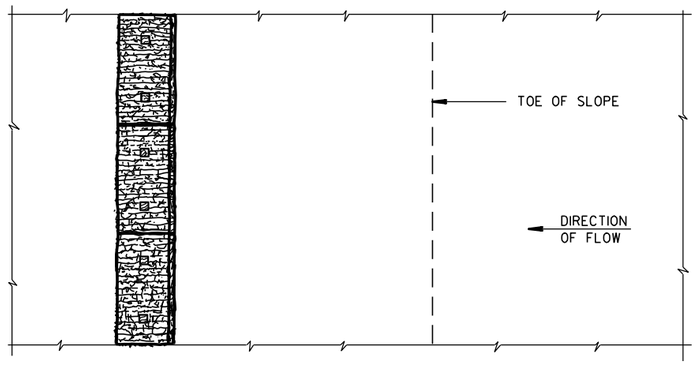
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

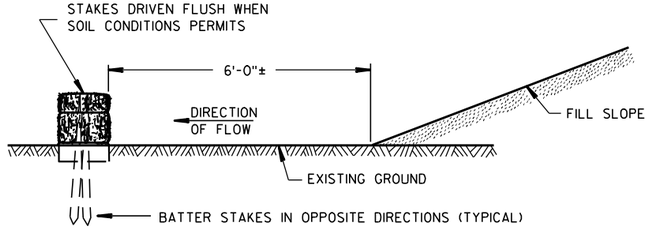


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

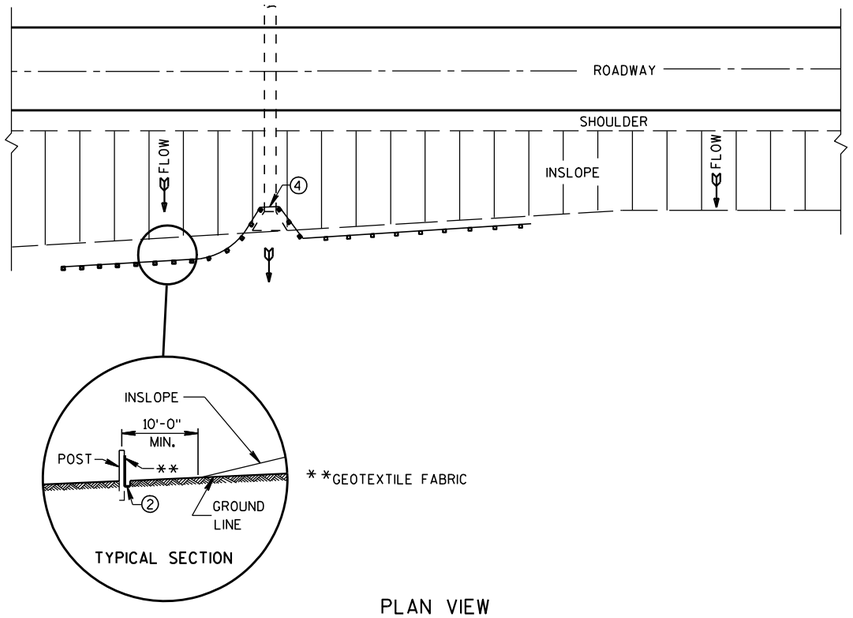
EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

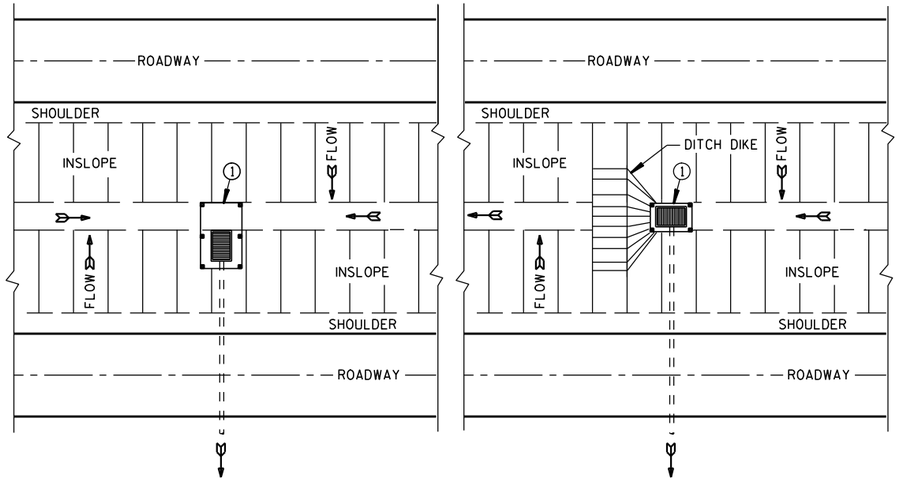
APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

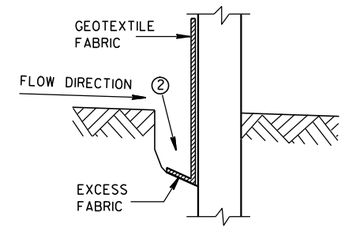
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

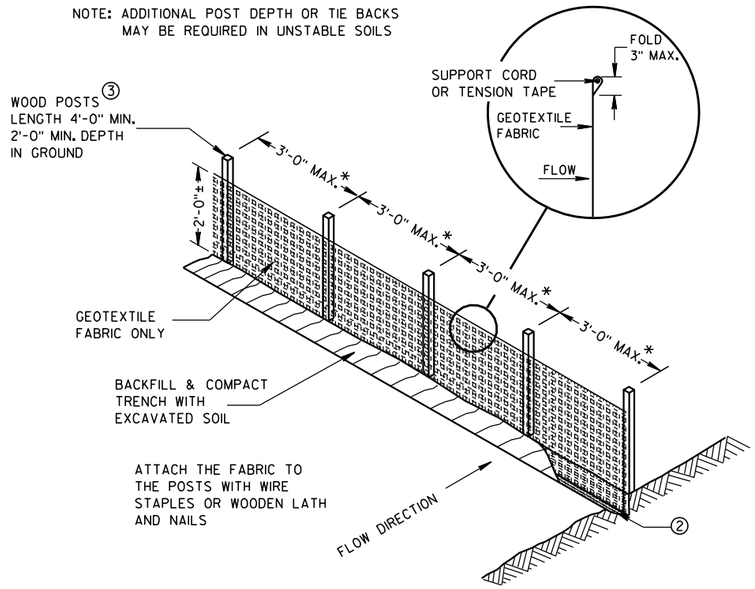
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

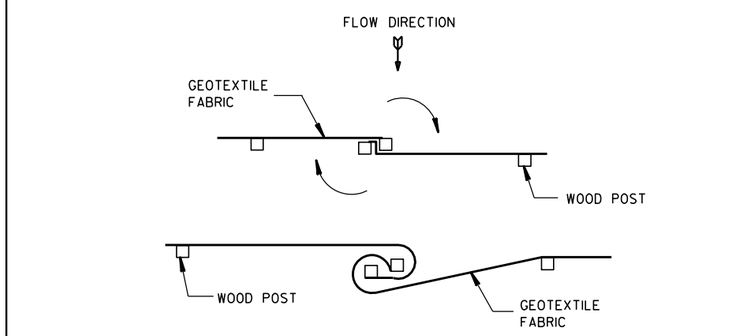
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



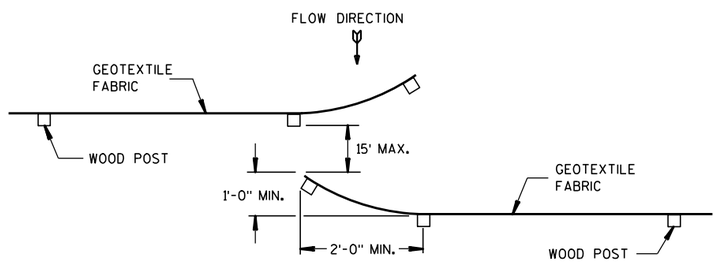
TRENCH DETAIL



SILT FENCE

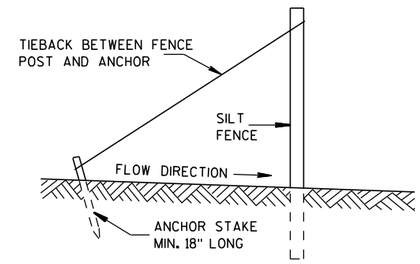


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

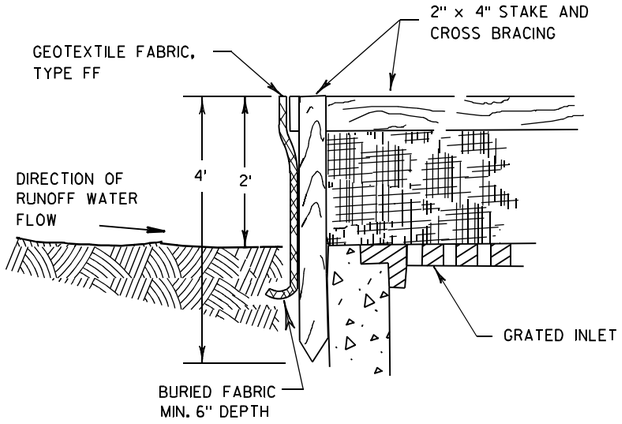
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

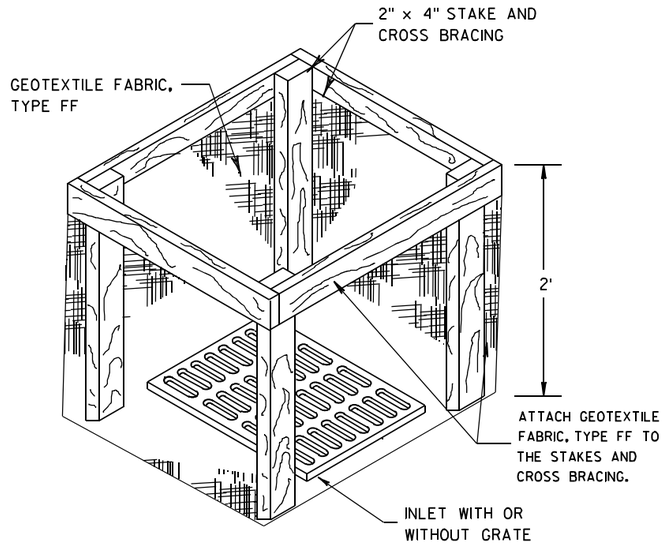
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S.D.D. 8 E 9-6

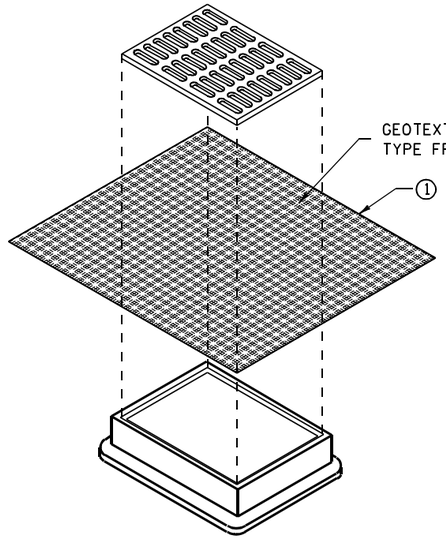
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S.D.D. 8 E 9-6



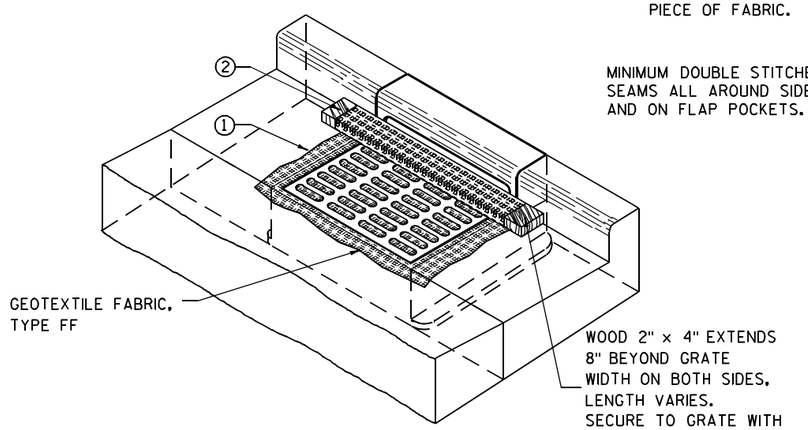


INLET PROTECTION, TYPE A

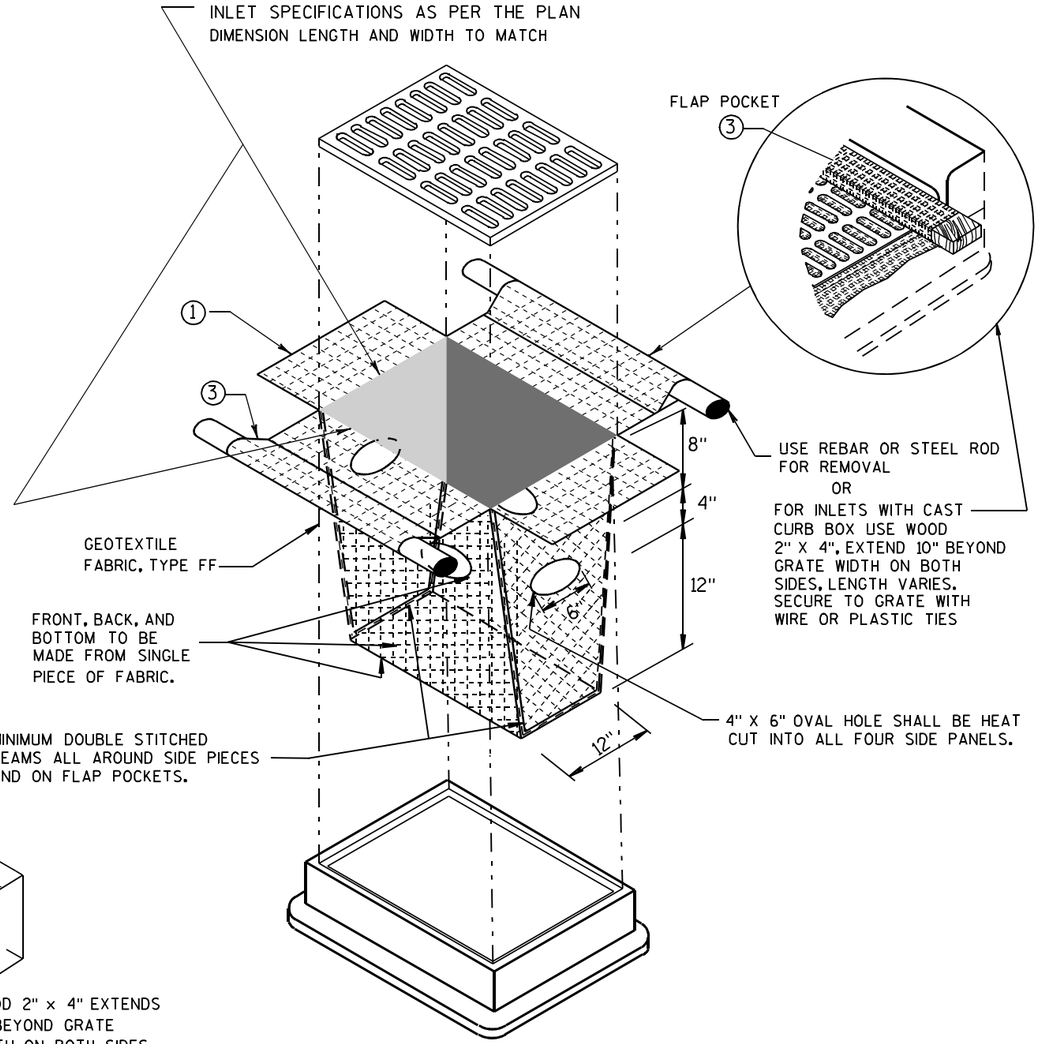


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

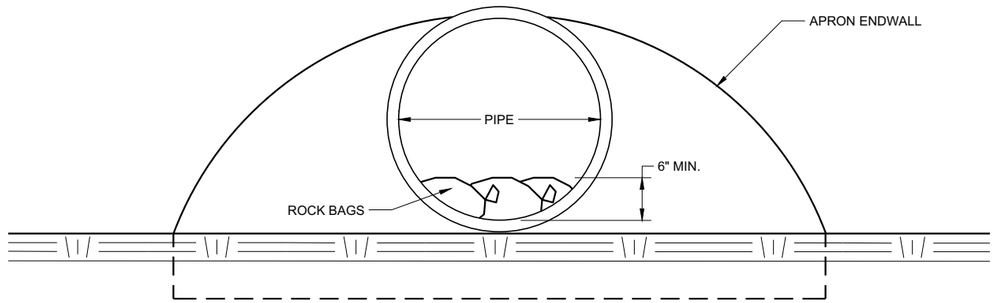
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

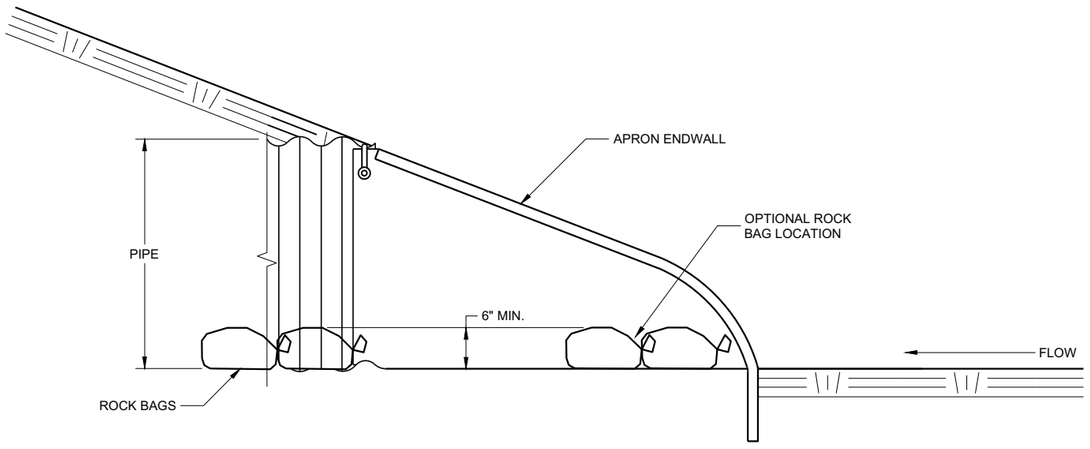
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

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SDD 08E15 - 01

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METAL APRON ENDWALLS

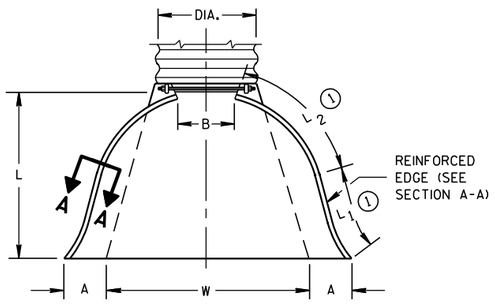
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

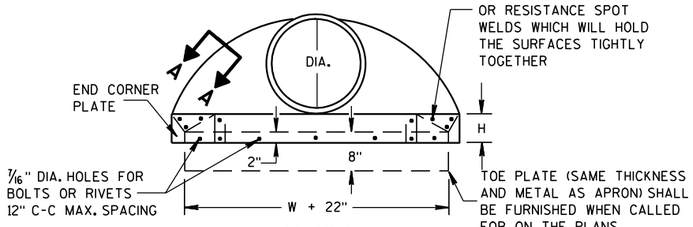
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

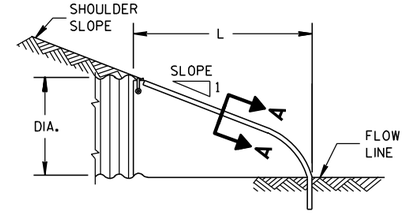
*MINIMUM
**MAXIMUM



PLAN VIEW

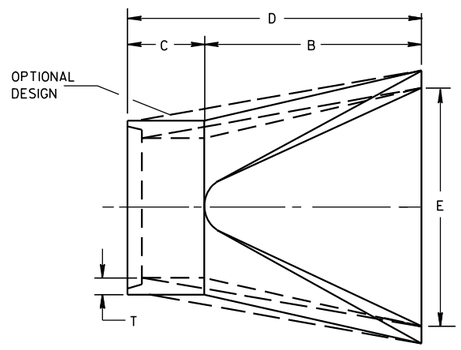


END VIEW

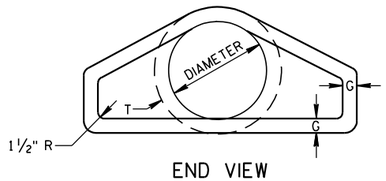


SIDE ELEVATION

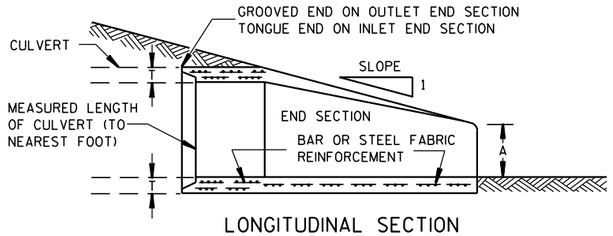
METAL ENDWALLS



PLAN

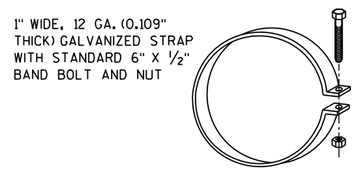


END VIEW



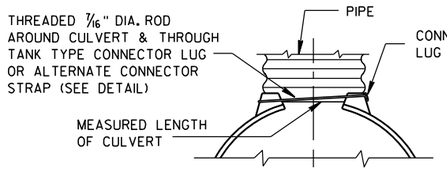
LONGITUDINAL SECTION

CONCRETE ENDWALLS

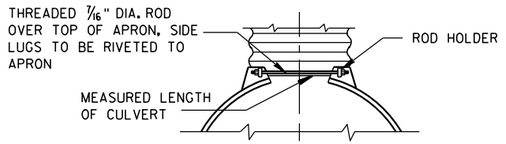


ALTERNATE FOR TYPE 1 CONNECTION

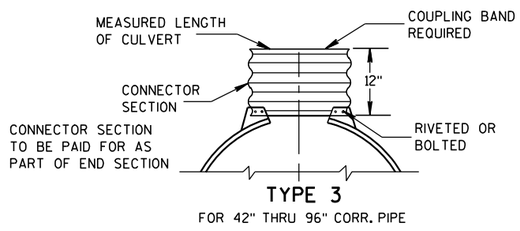
END SECTION CONNECTOR STRAP



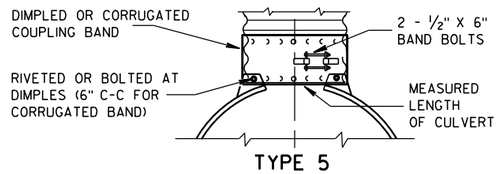
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

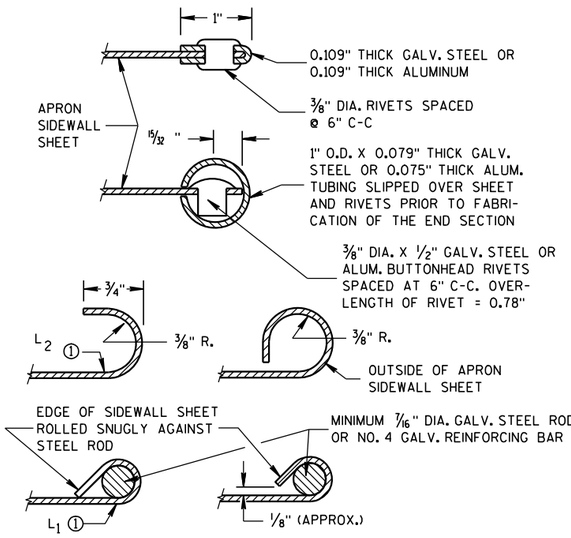
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

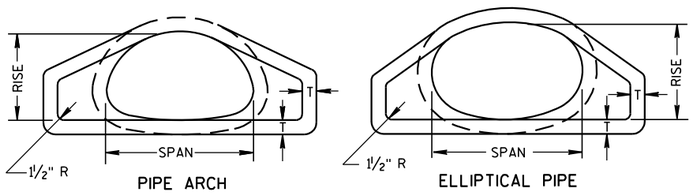
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

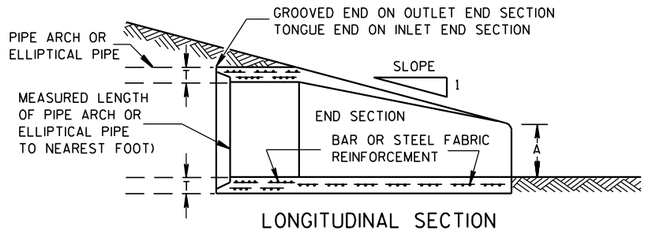
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

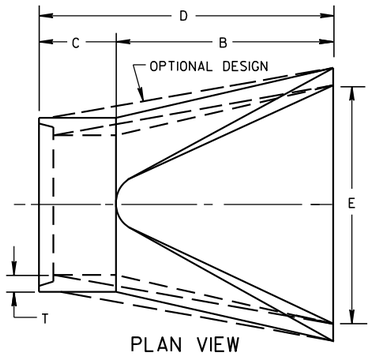
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END VIEW

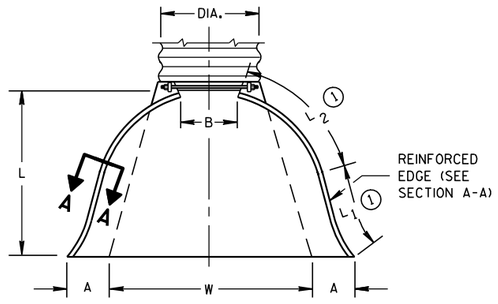


LONGITUDINAL SECTION

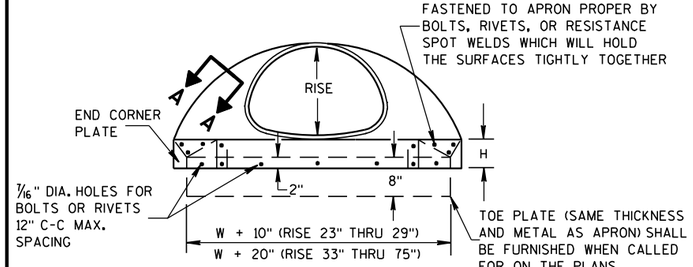


PLAN VIEW

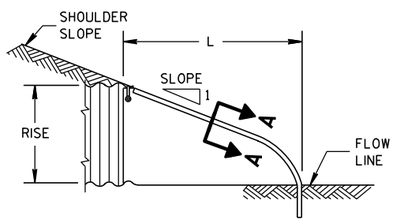
CONCRETE ENDWALLS



PLAN VIEW

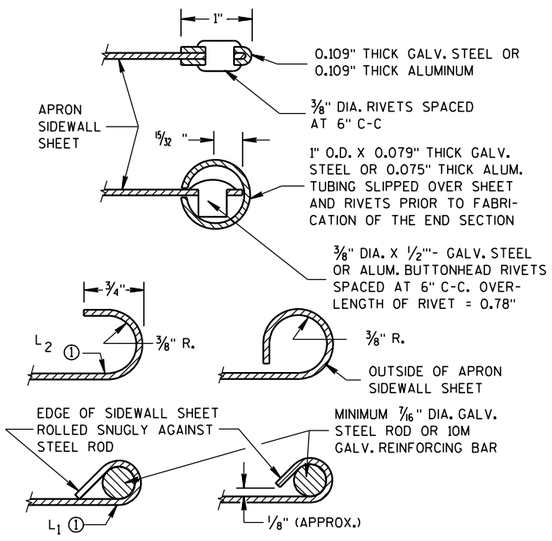


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

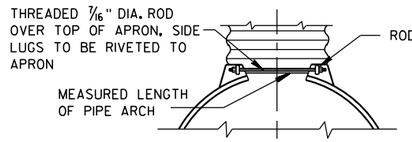
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

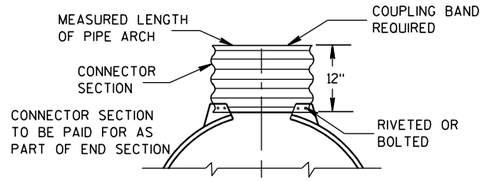
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



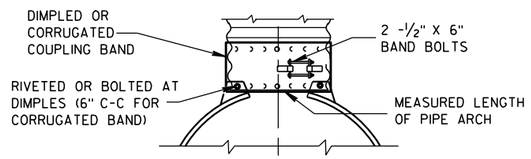
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

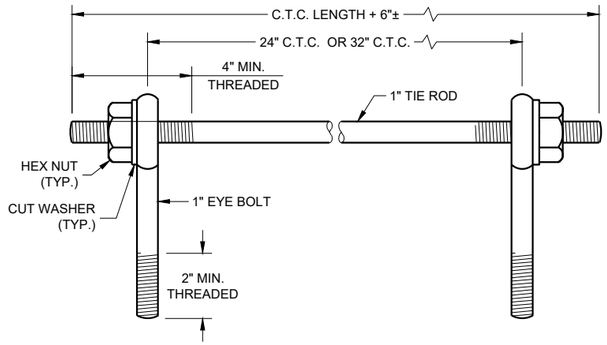
FHWA

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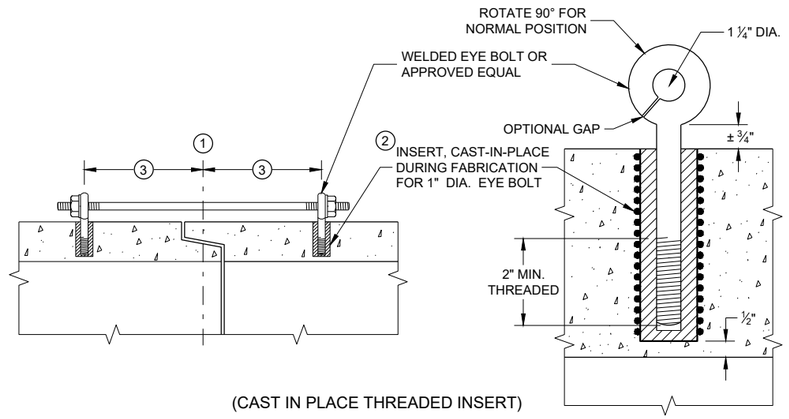
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

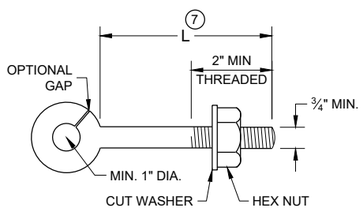
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

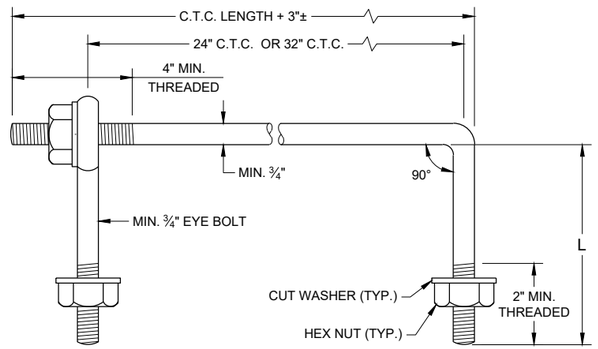
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

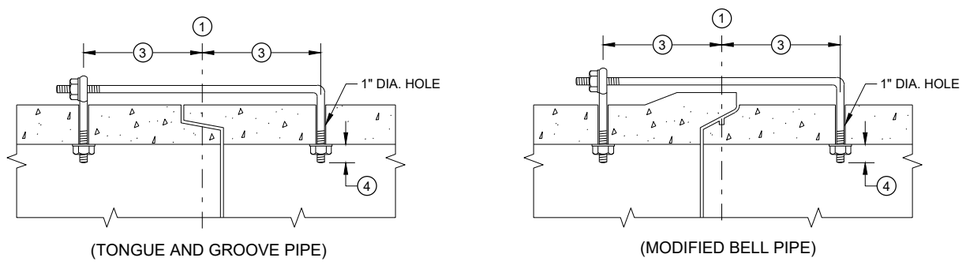


EYE BOLT (7)

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE) (MODIFIED BELL PIPE)

LONGITUDINAL SECTION

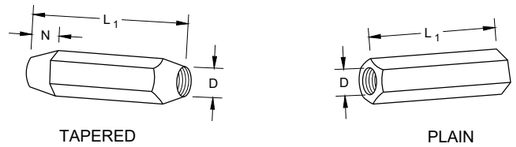
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

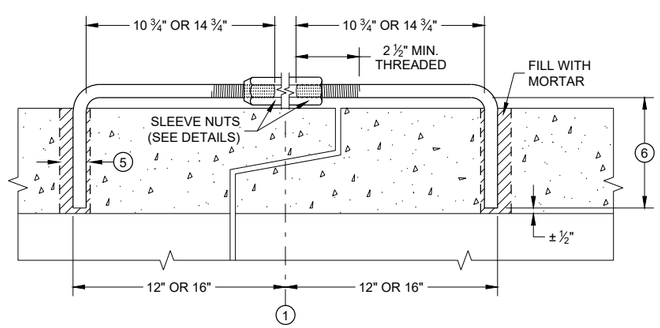
PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



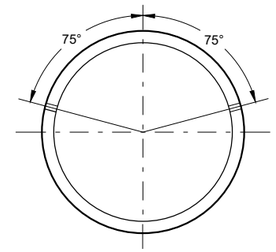
RIGHT AND LEFT THREADS

SLEEVE NUTS



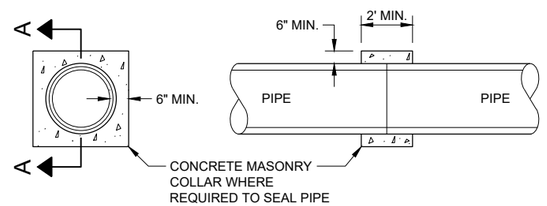
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

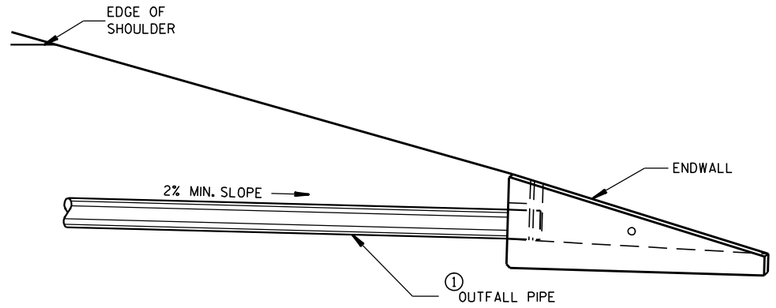
FHWA

SDD 08F04 - 08

SDD 08F04 - 08

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

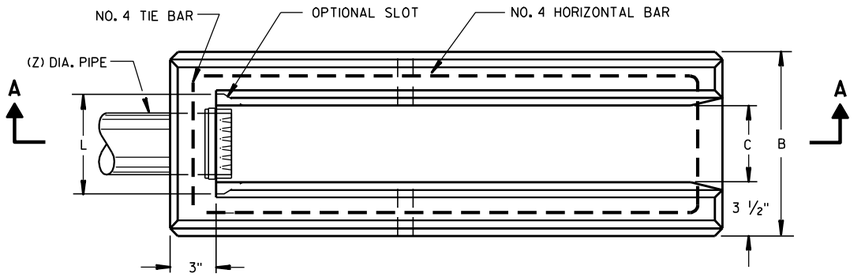
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

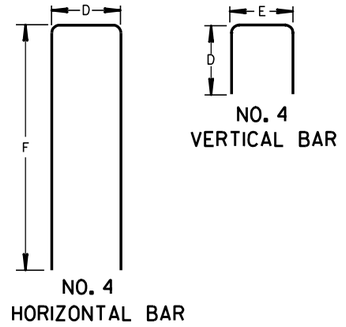
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

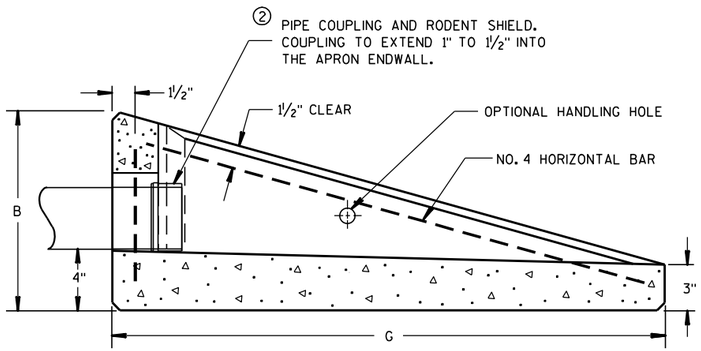
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



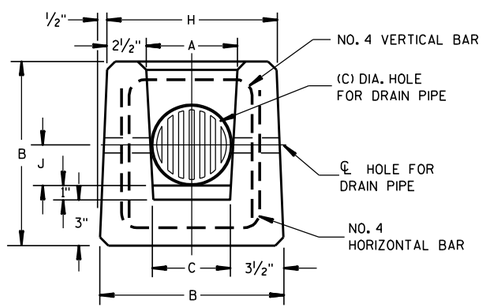
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS

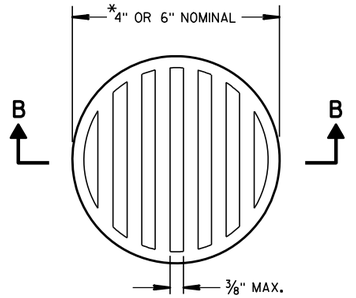


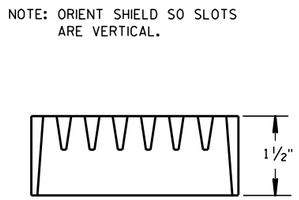
SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN





SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

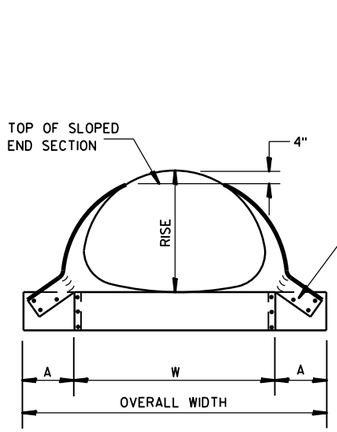
APPROVED
3/10/98 DATE
/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

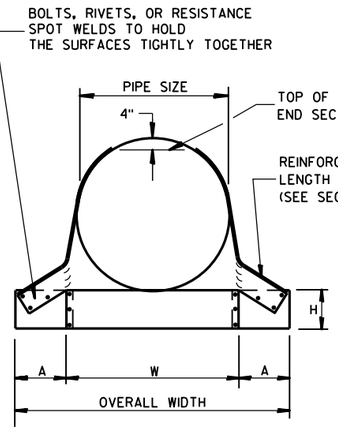
S.D.D. 8 F 6-4

6

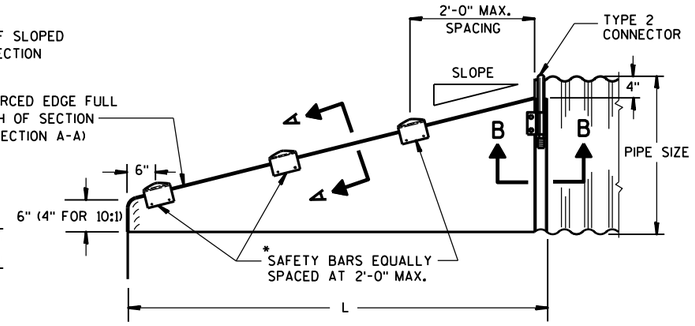
S.D.D. 8 F 6-4



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

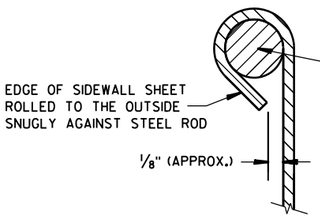
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS

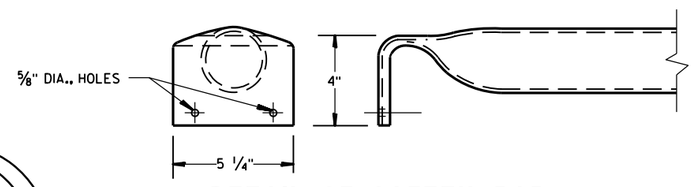
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

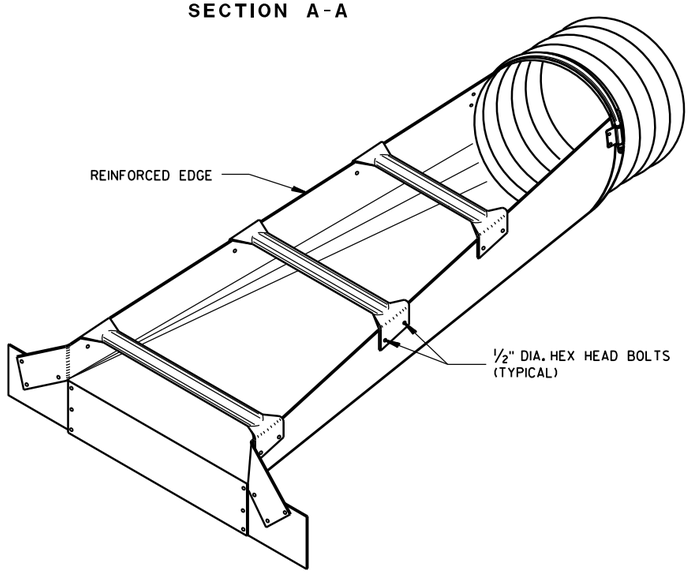


DETAIL OF SAFETY BAR

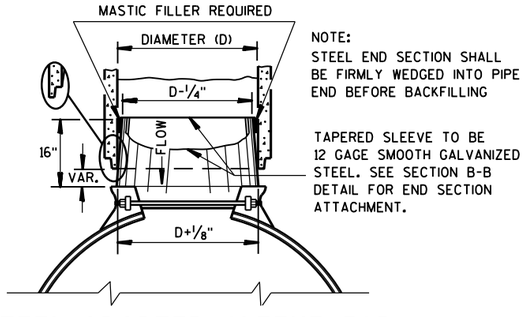
STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

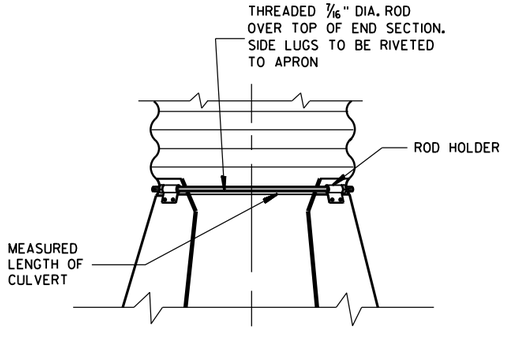
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



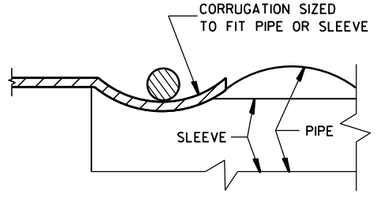
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

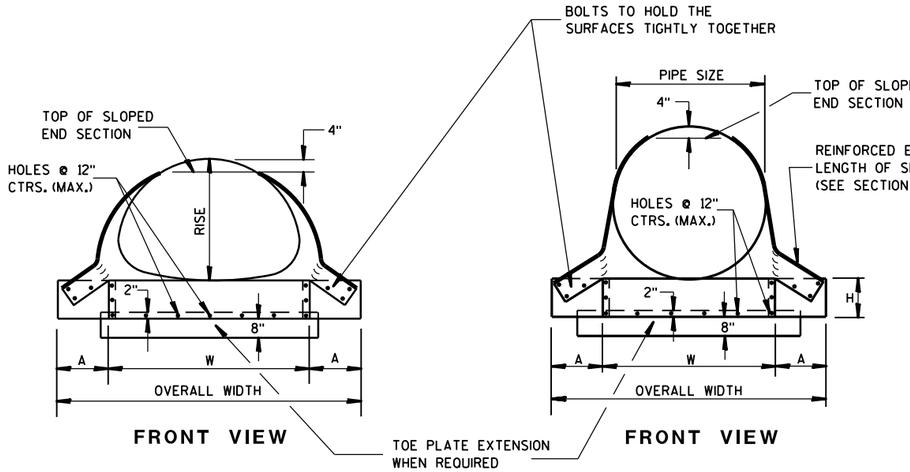
APPROVED
9/14/2012 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 7-5

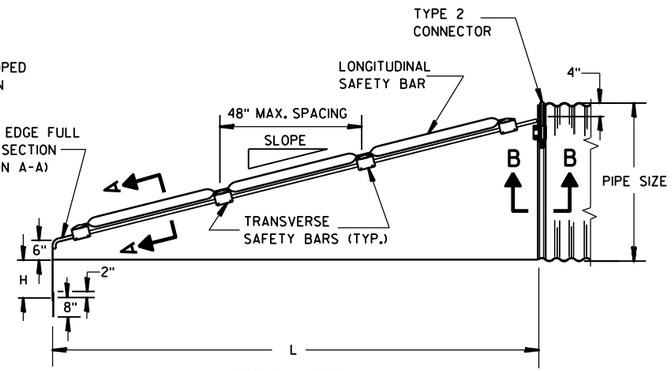
6

S.D.D. 8 F 7-5



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

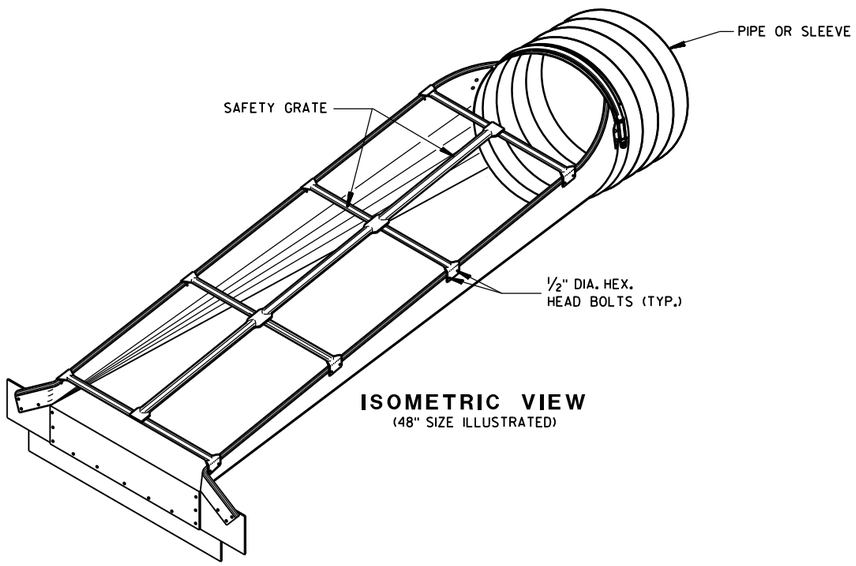
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

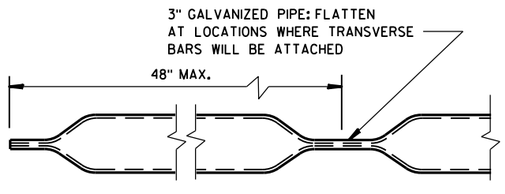
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

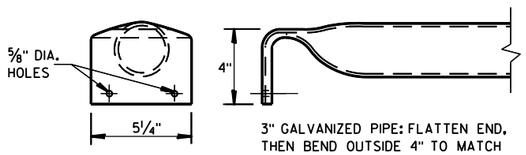
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



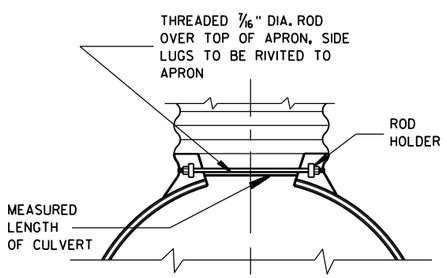
LONGITUDINAL SAFETY BAR



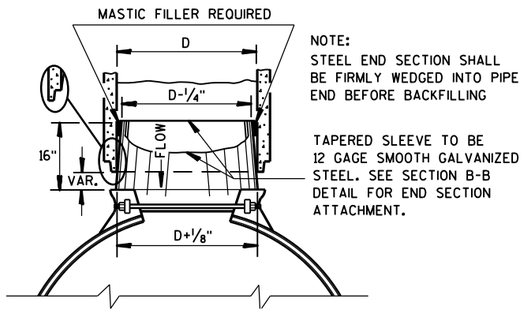
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

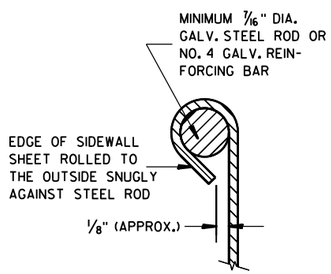
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



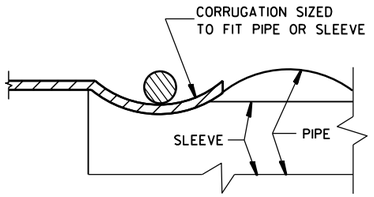
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

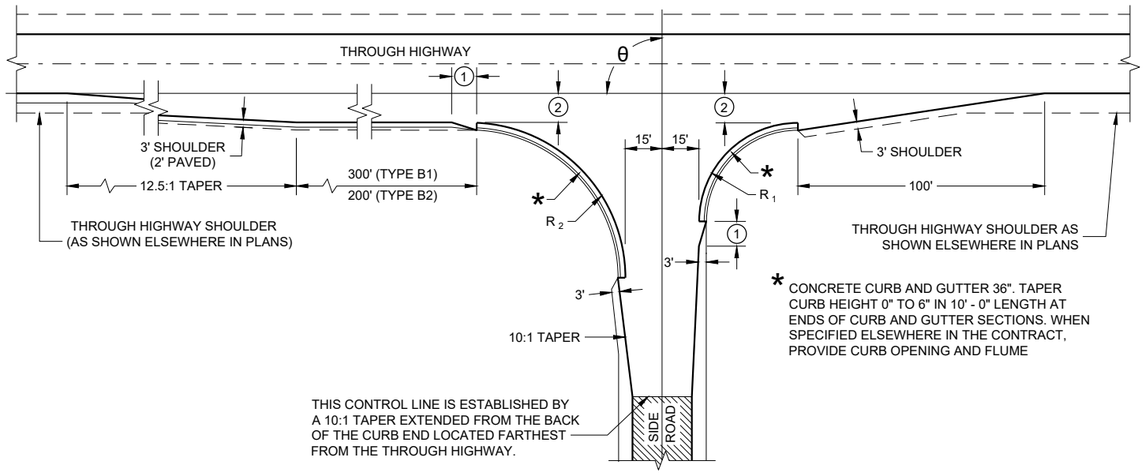
STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 F 8-2



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

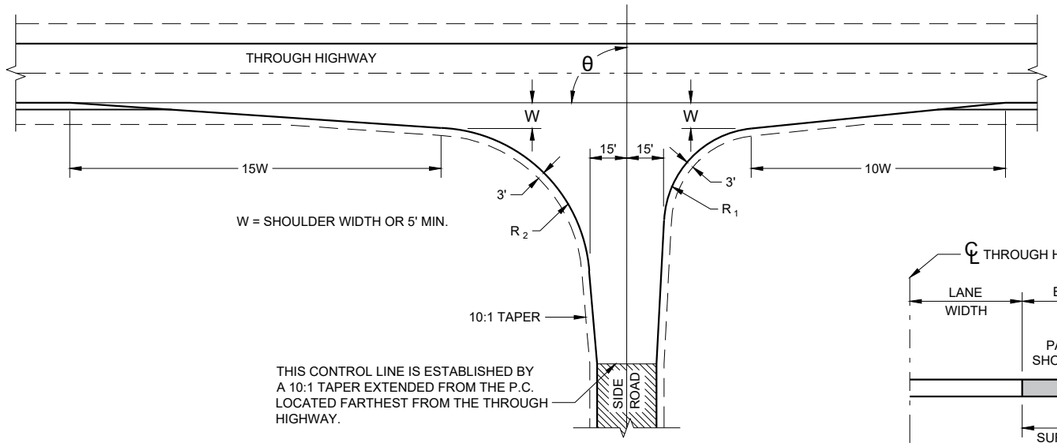
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

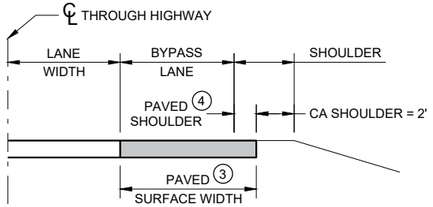
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.

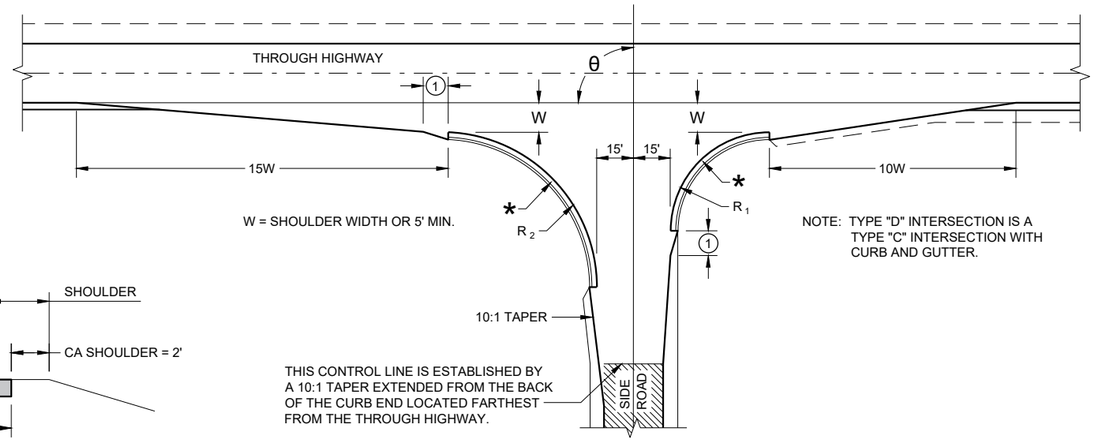


TYPE "C"



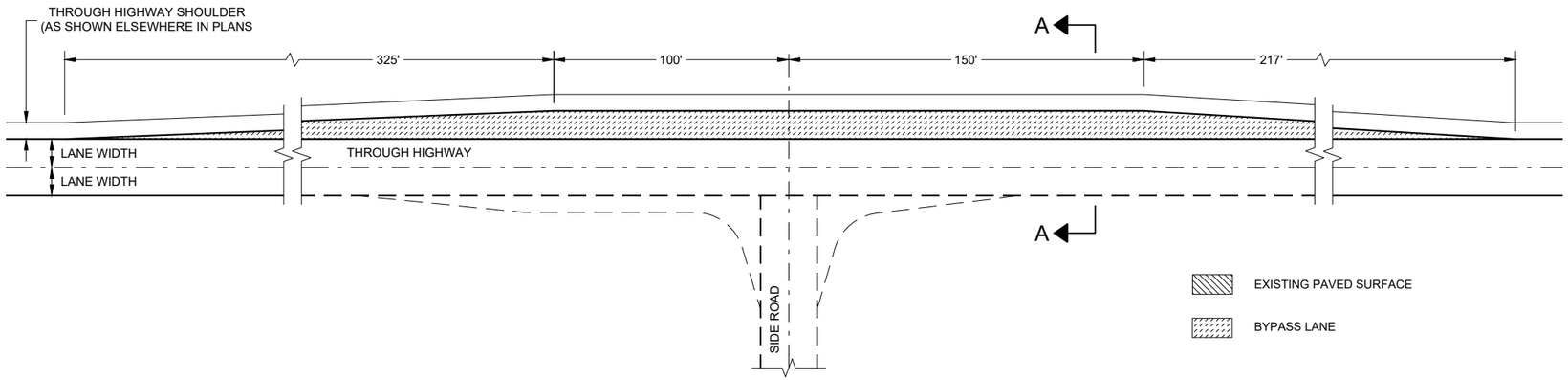
SECTION A - A

(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

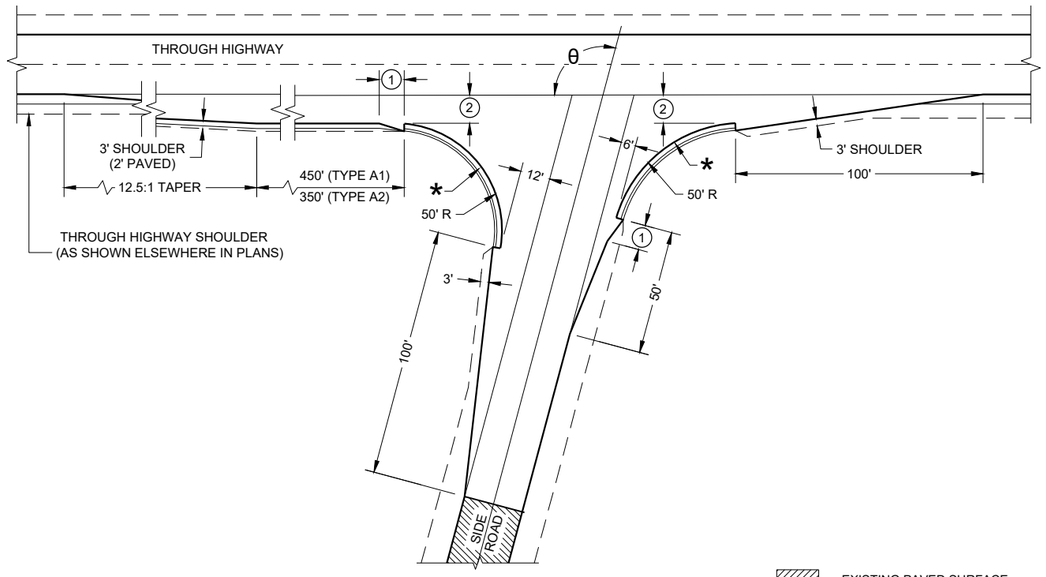
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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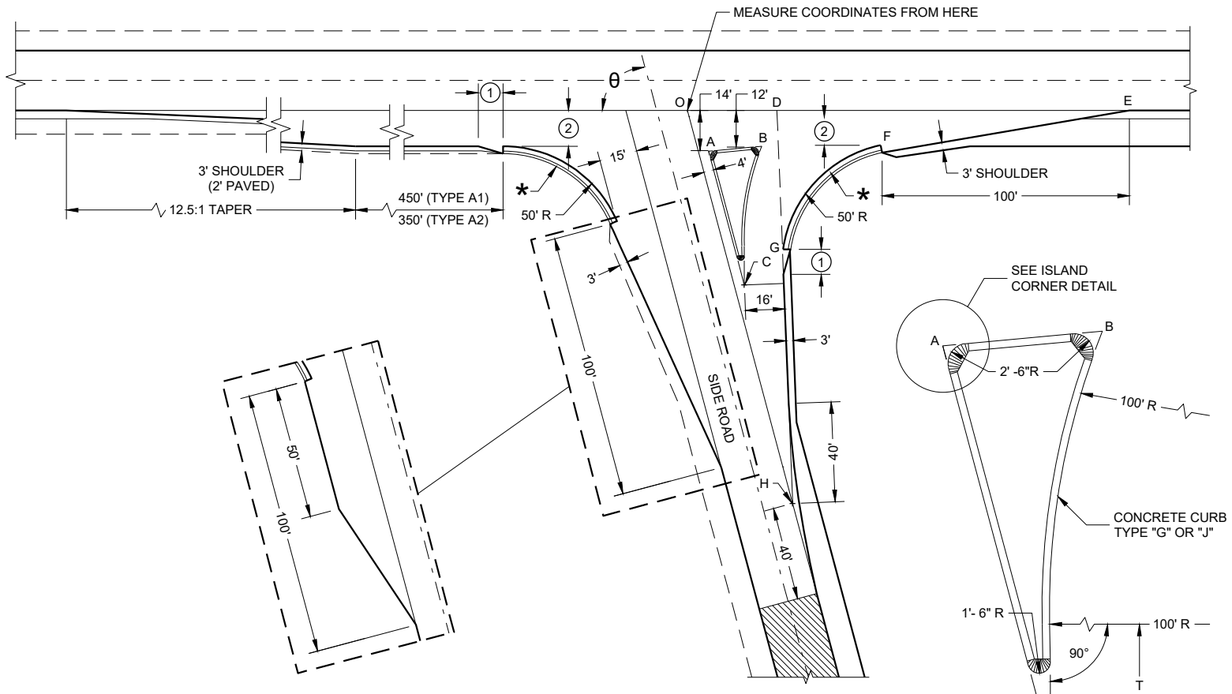
SDD 09A01 - 14a

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SDD 09A01 - 14a

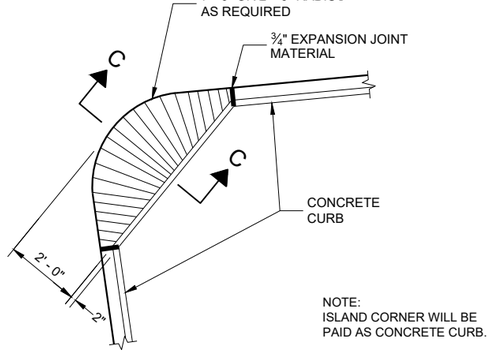


θ = MORE THAN 80°

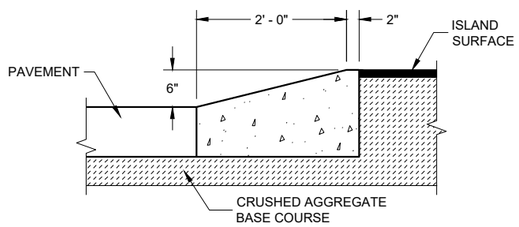


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS

θ = ACUTE ANGLES 80° OR LESS



PLAN VIEW



SECTION C - C

ISLAND CORNER DETAIL

(TO BE CONSTUCTED AT ALL ISLAND CORNERS)

TABLE OF DIMENSIONS FOR VARIABLE SIDE ROAD INTERSECTION ANGLES

(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT 'O') X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE 'A1" AND "A2" SIDE ROAD INTERSECTION DETAILS

AT GRADE SIDE ROAD INTERSECTIONS
TYPES "A1" AND "A2"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

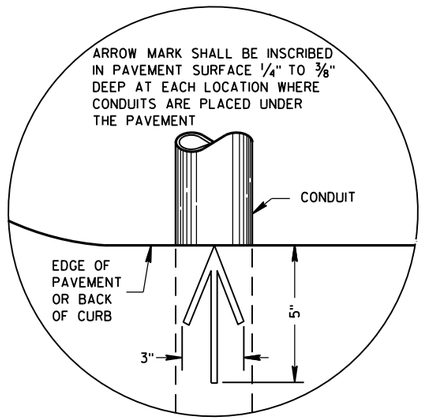
APPROVED
November 2022 — DATE
/S/ John Jenkins — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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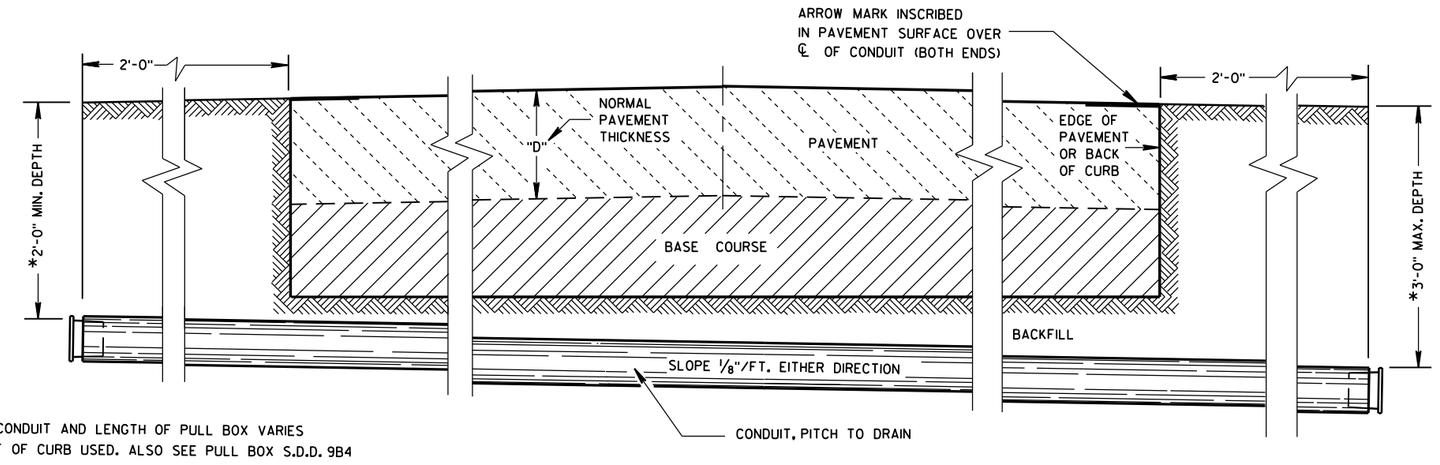
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SDD 09A01 - 14b



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 232
FHWA

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S.D.D. 9 B 2-10

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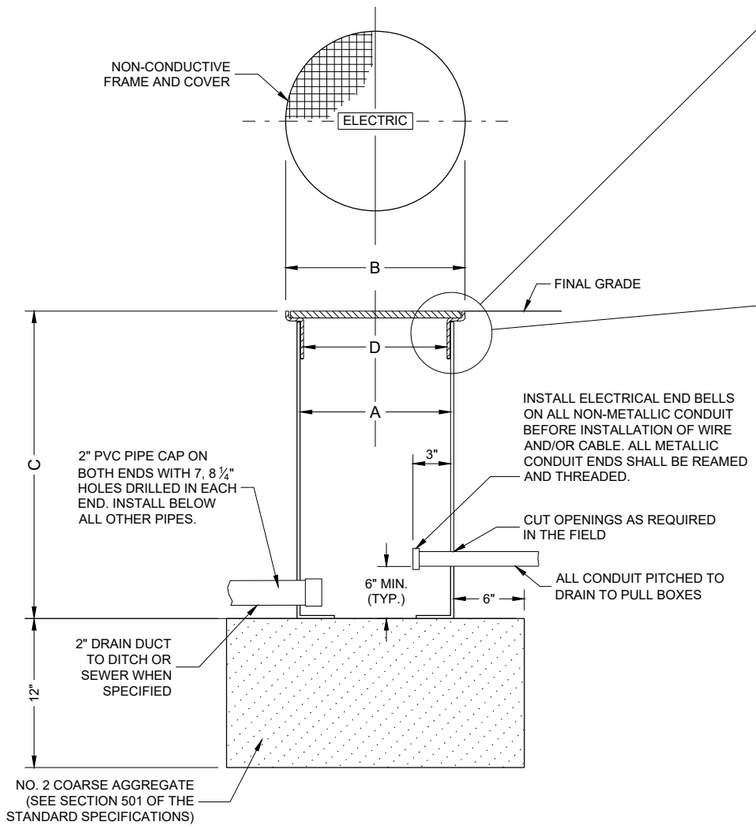
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

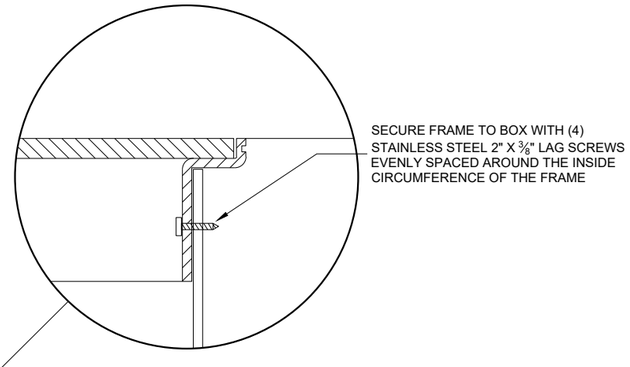
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

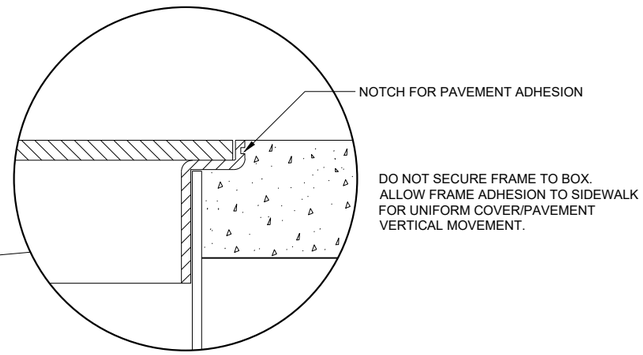
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



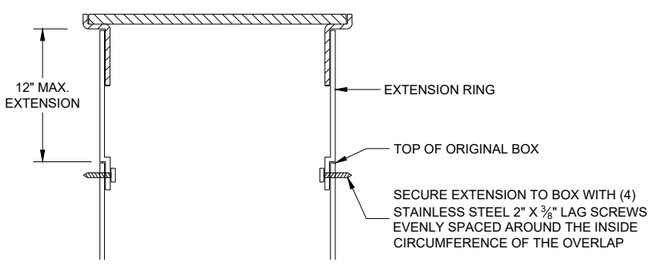
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

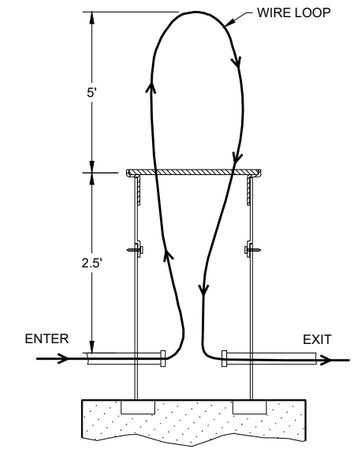
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

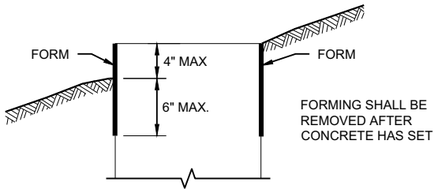
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 233

FHWA

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SDD 09B16 - 02

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

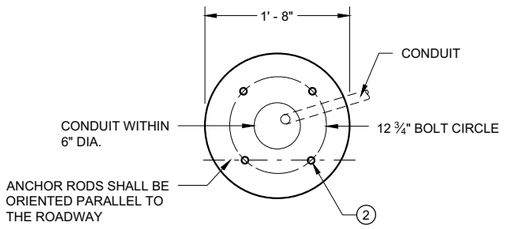
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

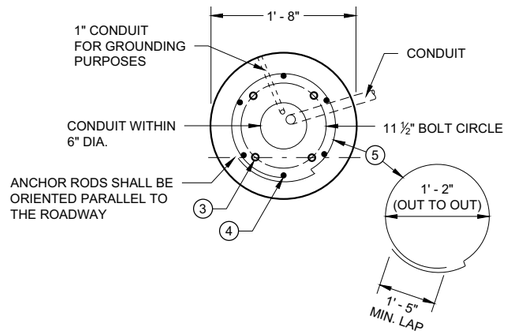
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

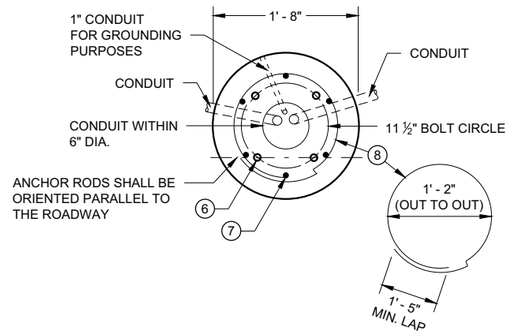
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

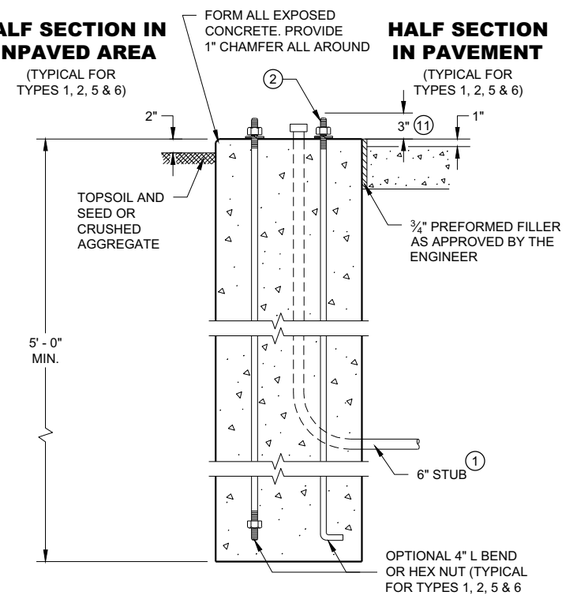
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

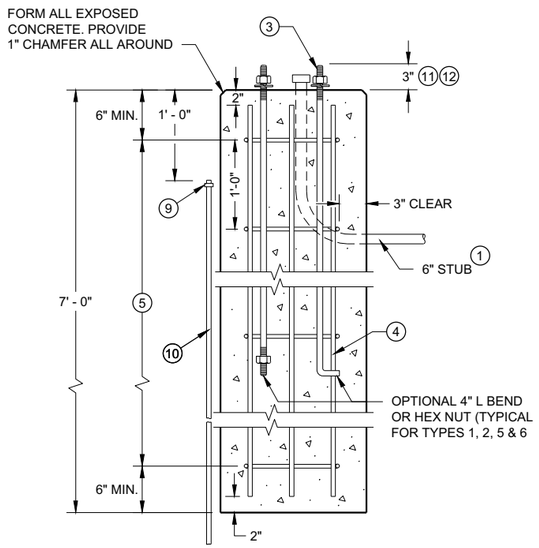
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

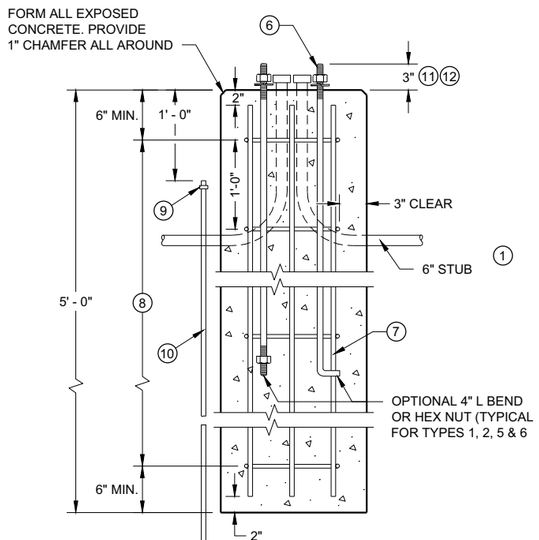
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
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GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

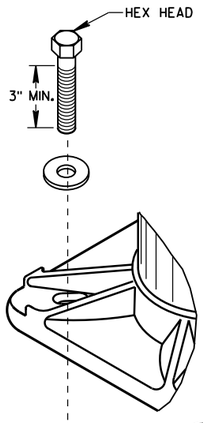
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

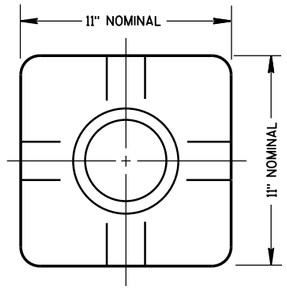
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

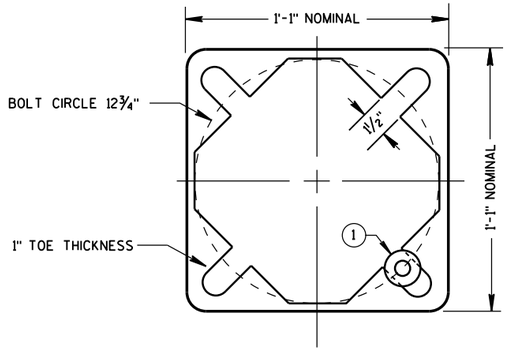
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

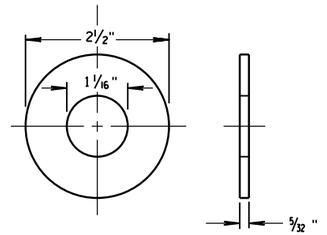




TOP VIEW
(PEDESTAL BASE)

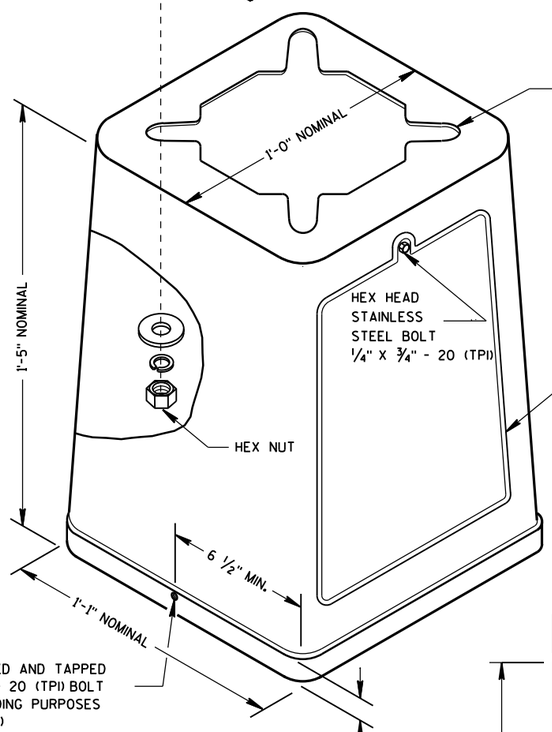


BOTTOM VIEW
(PEDESTAL BASE)

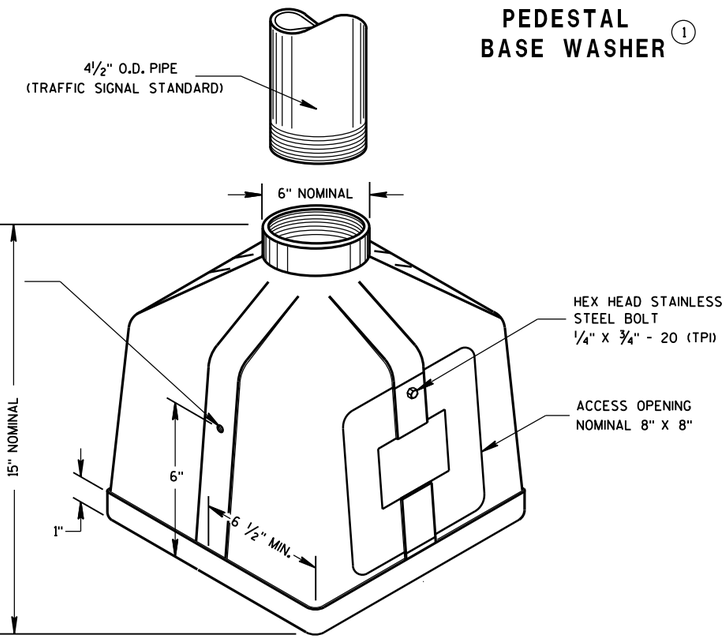


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

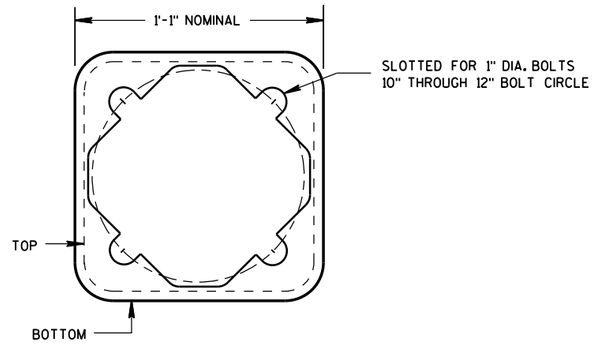


ISOMETRIC VIEW

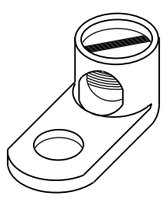


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

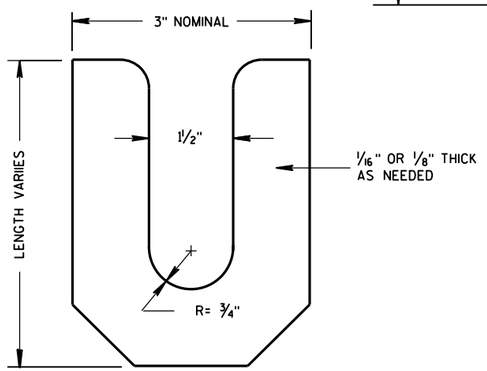


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

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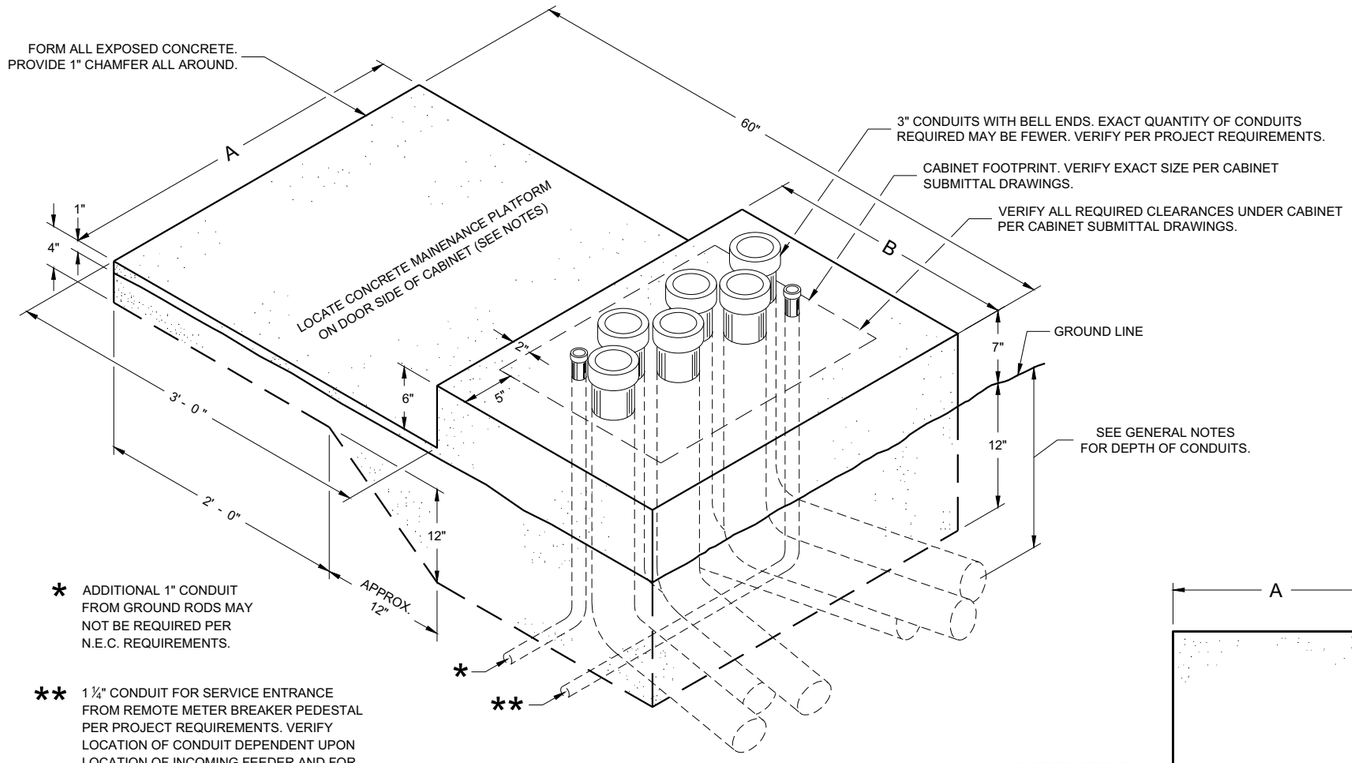
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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

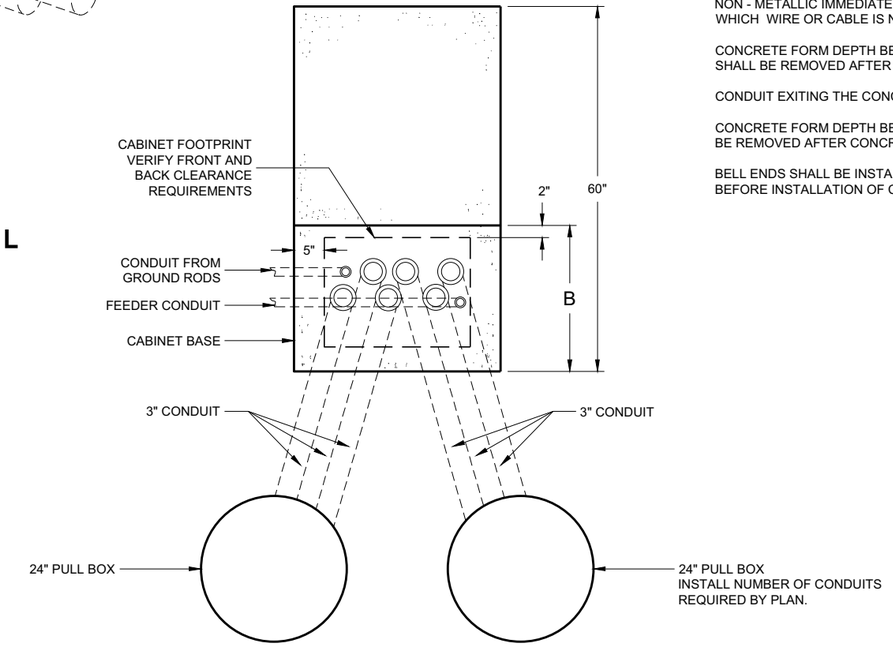
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

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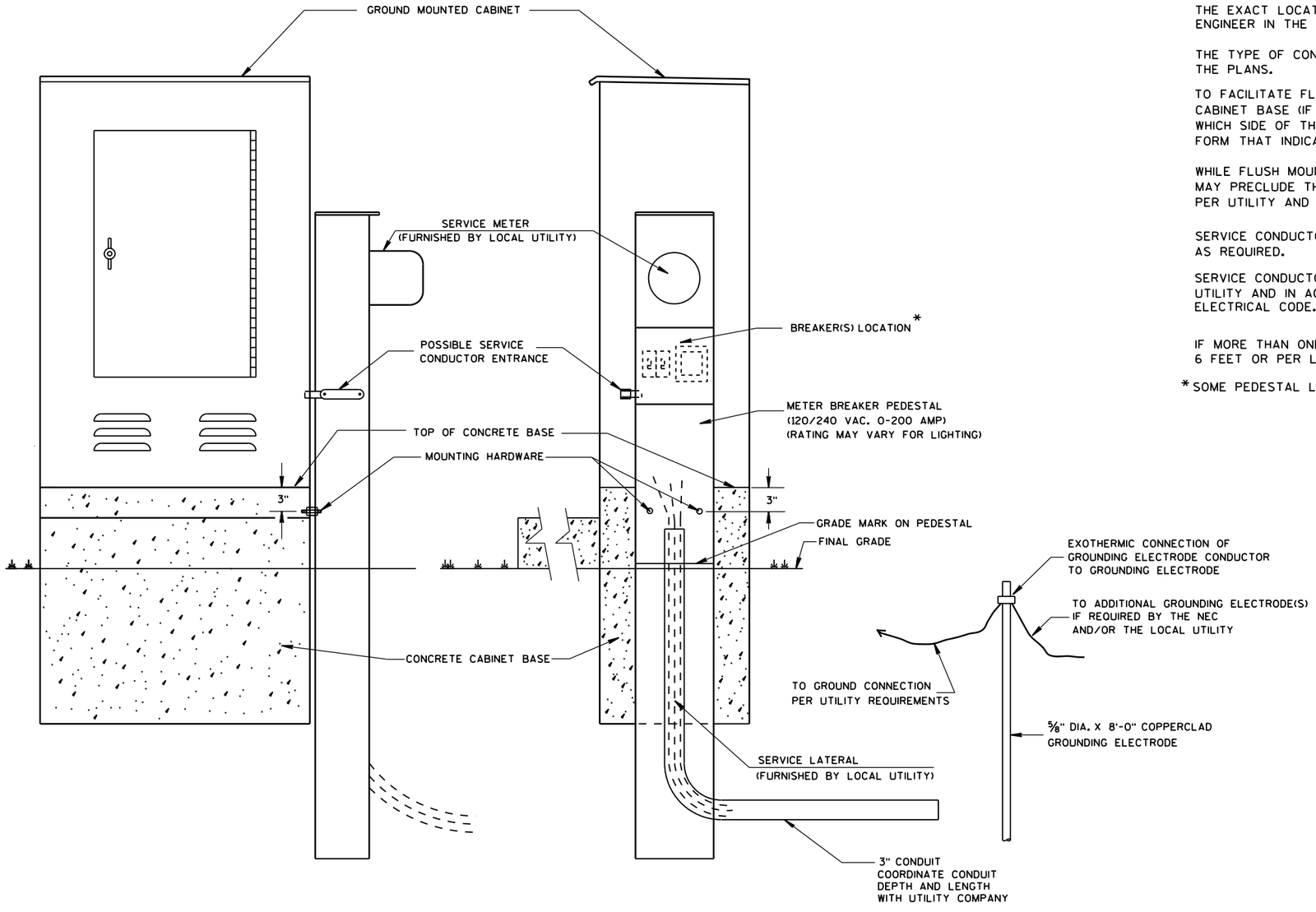
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TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

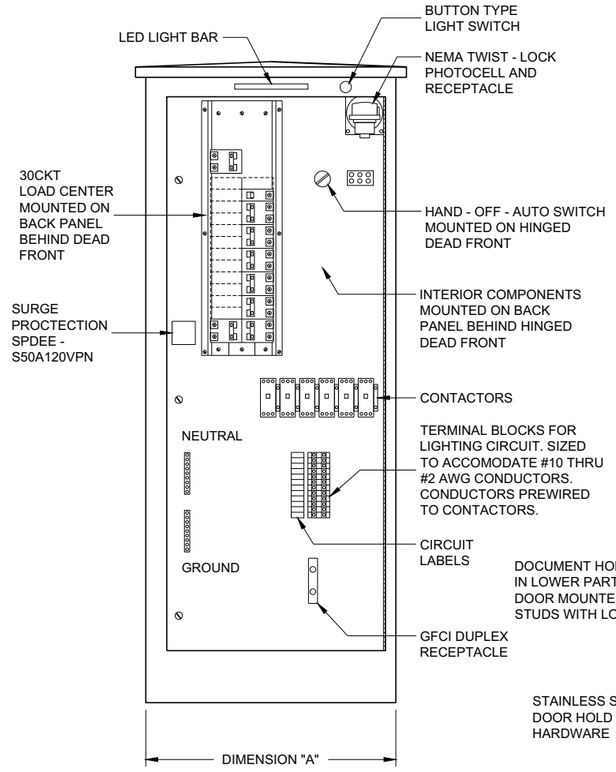
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
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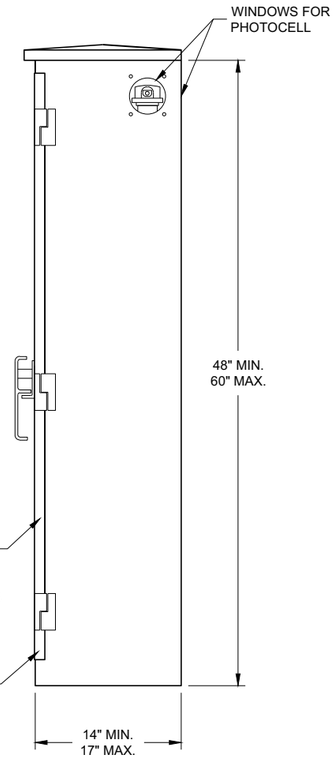
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FRONT INTERIOR ELEVATION



SIDE VIEW



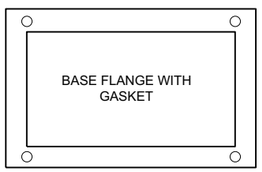
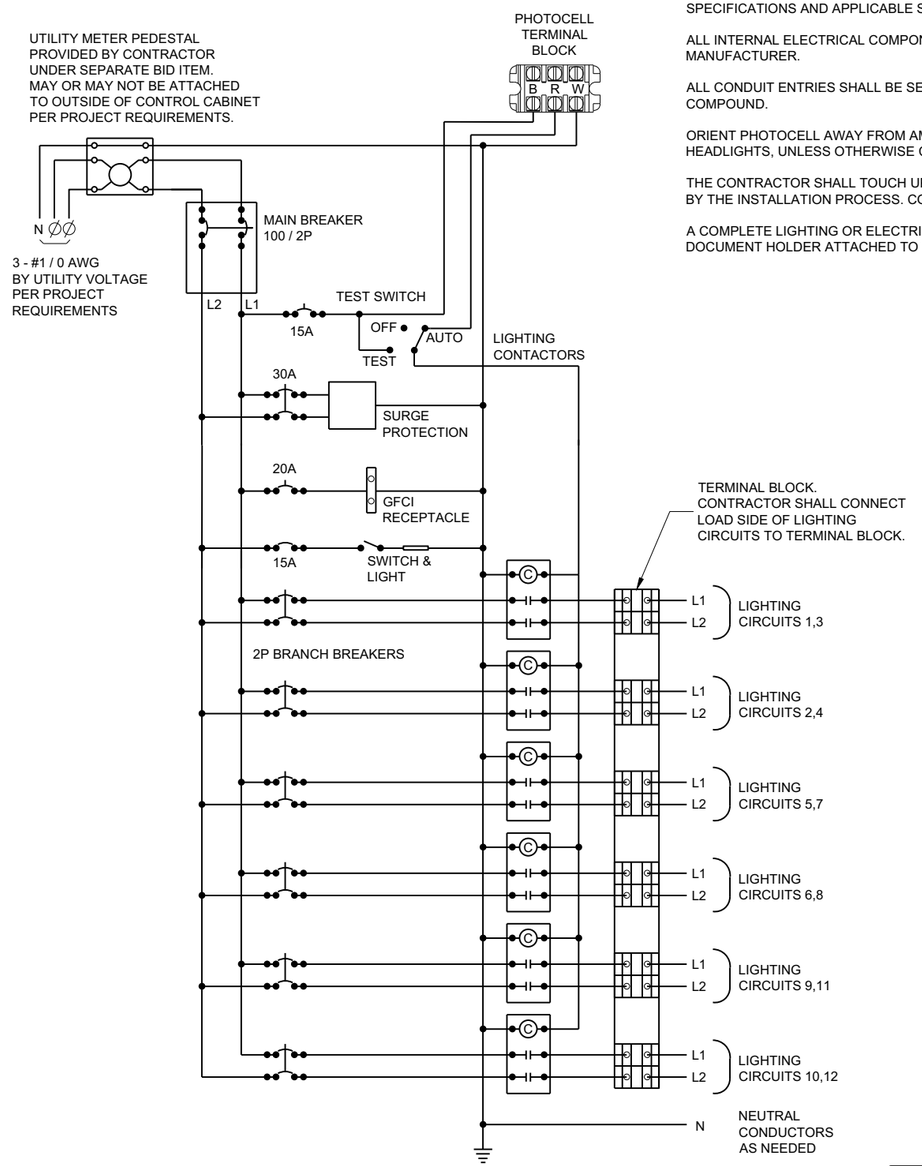


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

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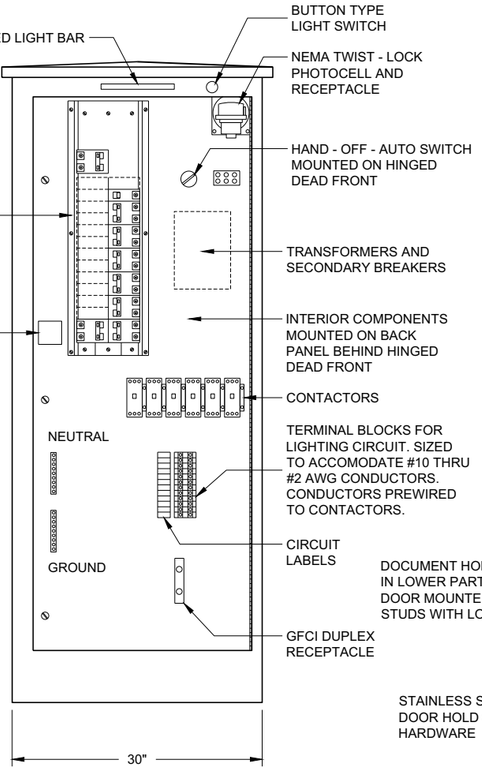
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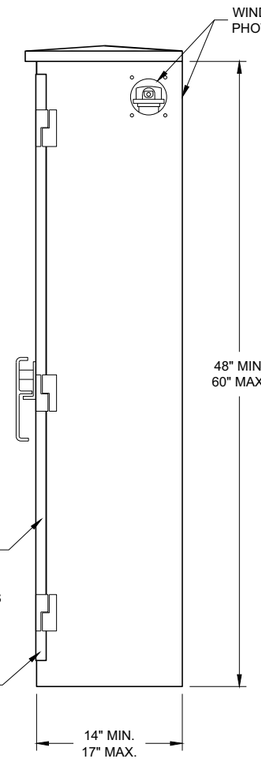
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FRONT INTERIOR ELEVATION

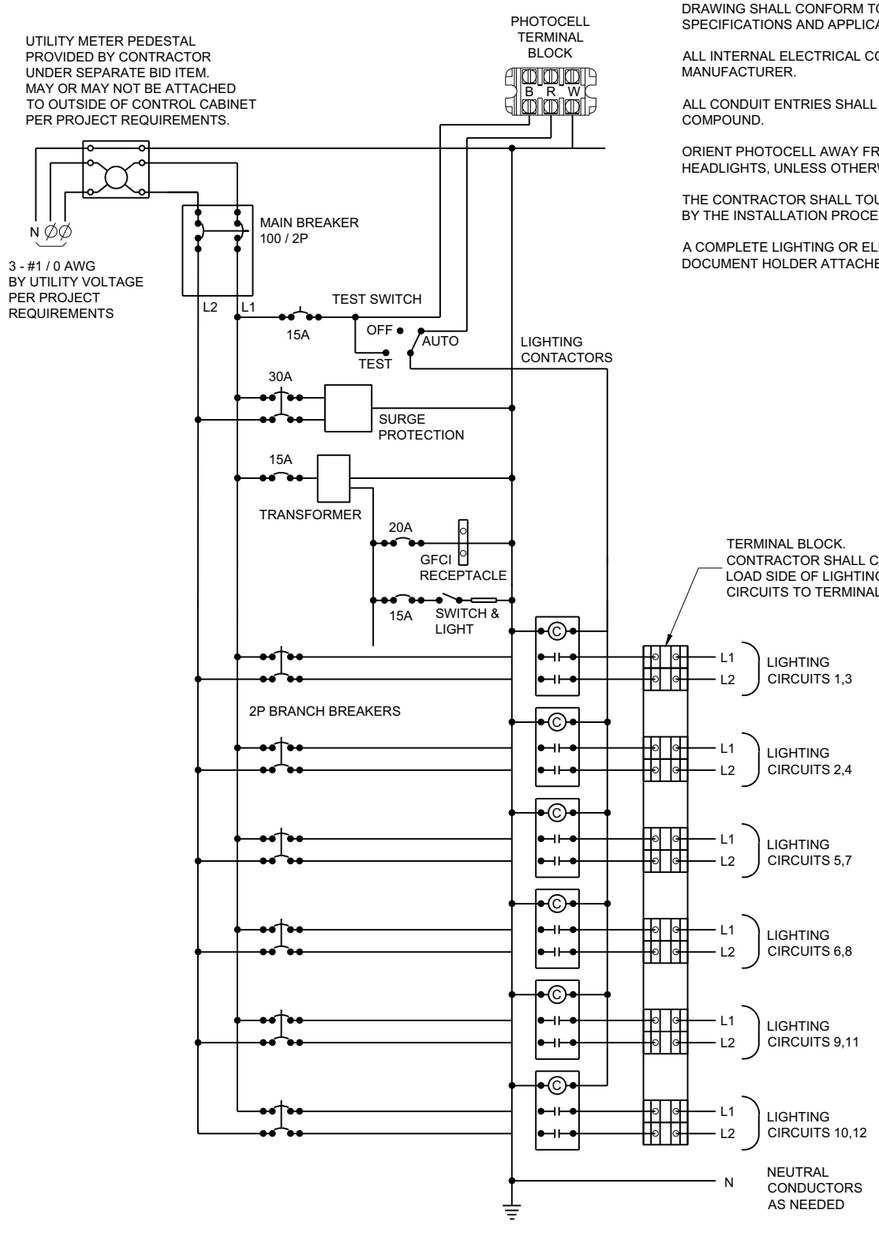


SIDE VIEW





LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

L30
LIGHTING CONTROL CABINET
240 / 480 VOLT

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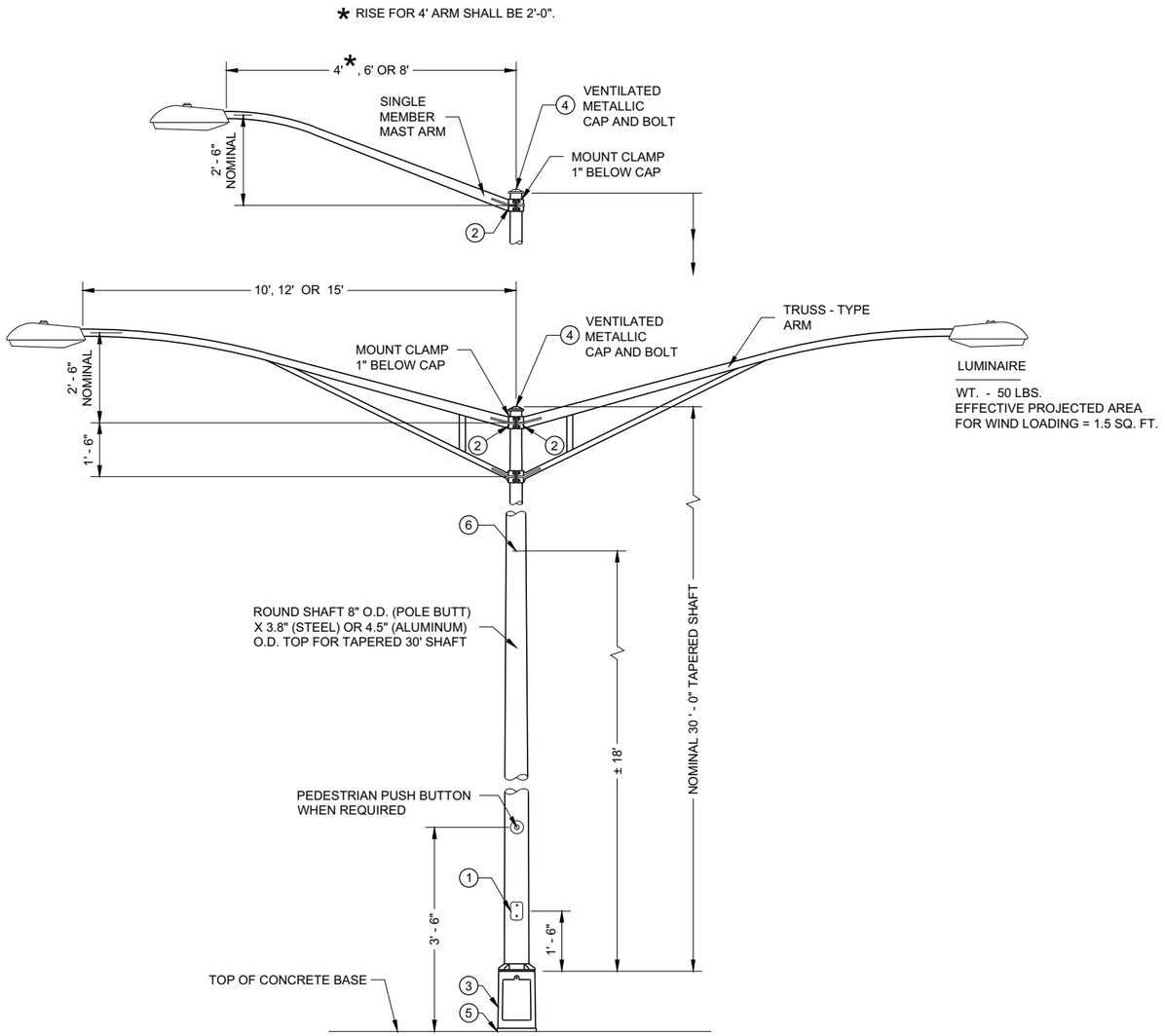
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TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

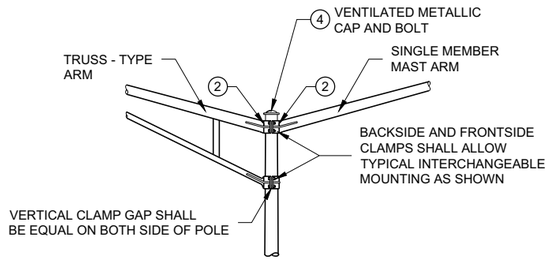
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

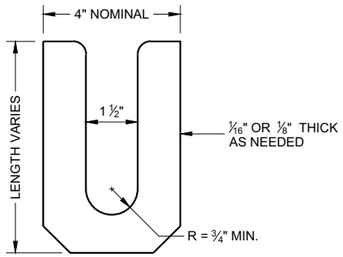
(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



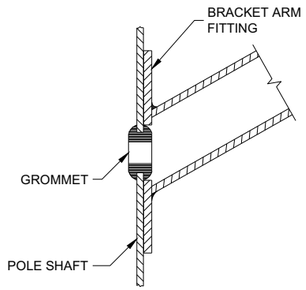
INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

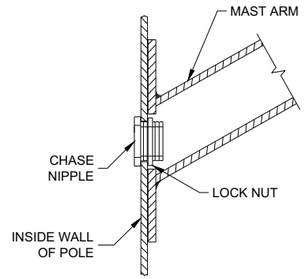
6
SDD 09E01 - 15d



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

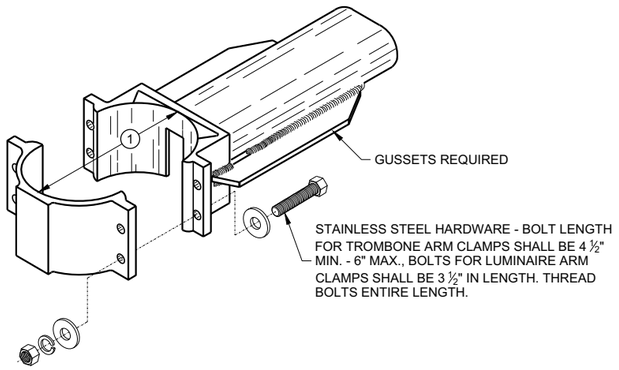
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

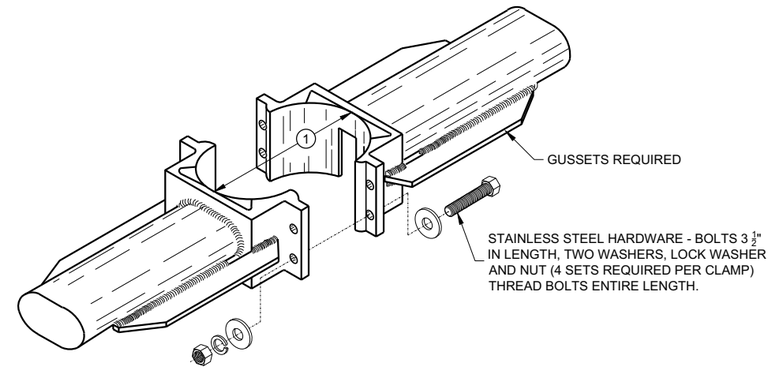
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

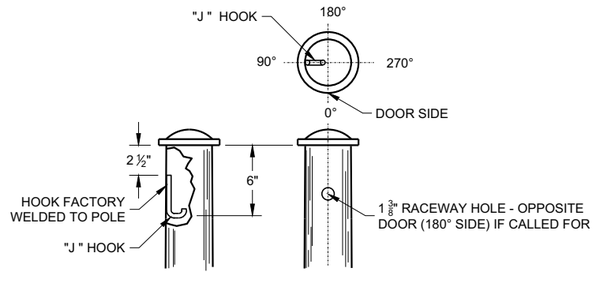
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



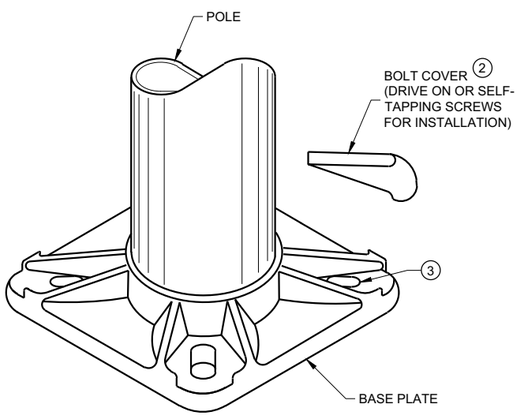
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



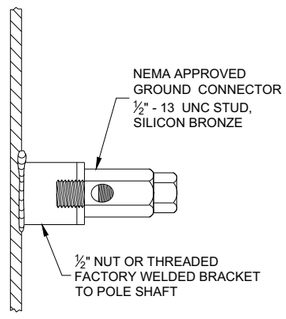
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

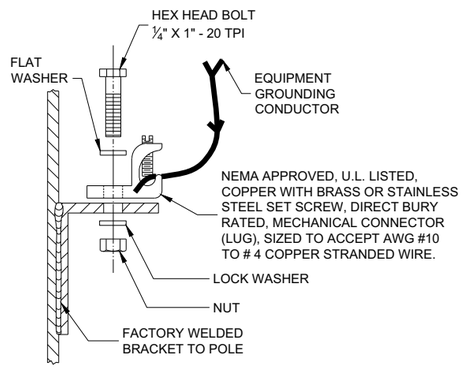


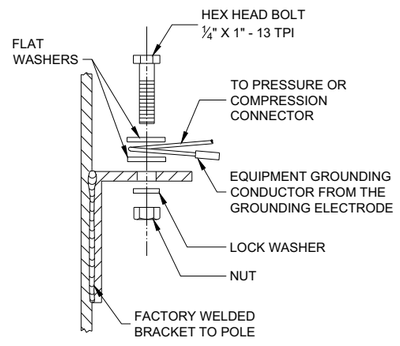
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 241

FHWA

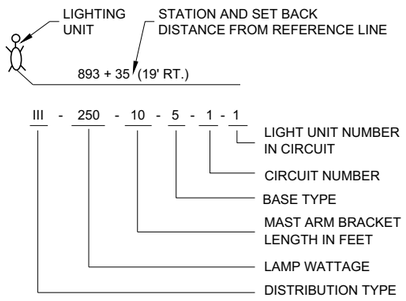
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SDD 09E01 - 15g

GENERAL NOTES

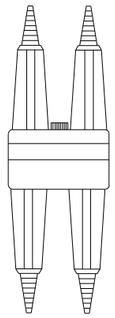
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

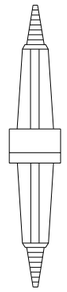
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



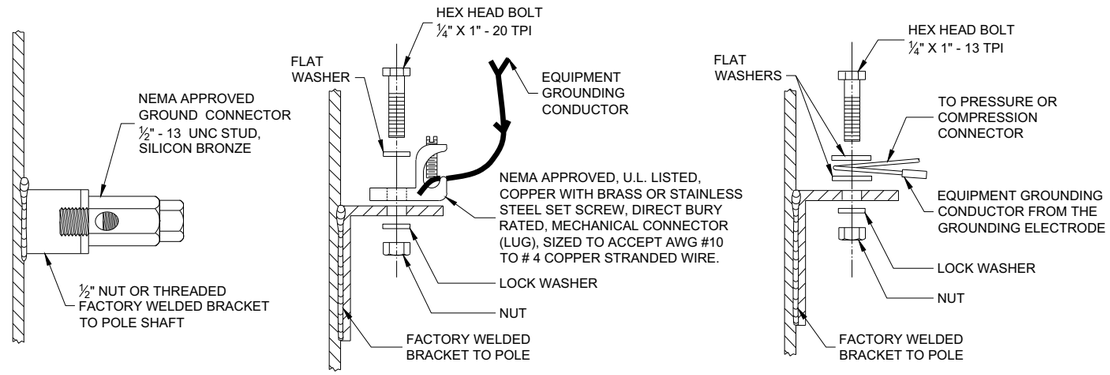
LIGHTING UNIT CODE
(TYPICAL)



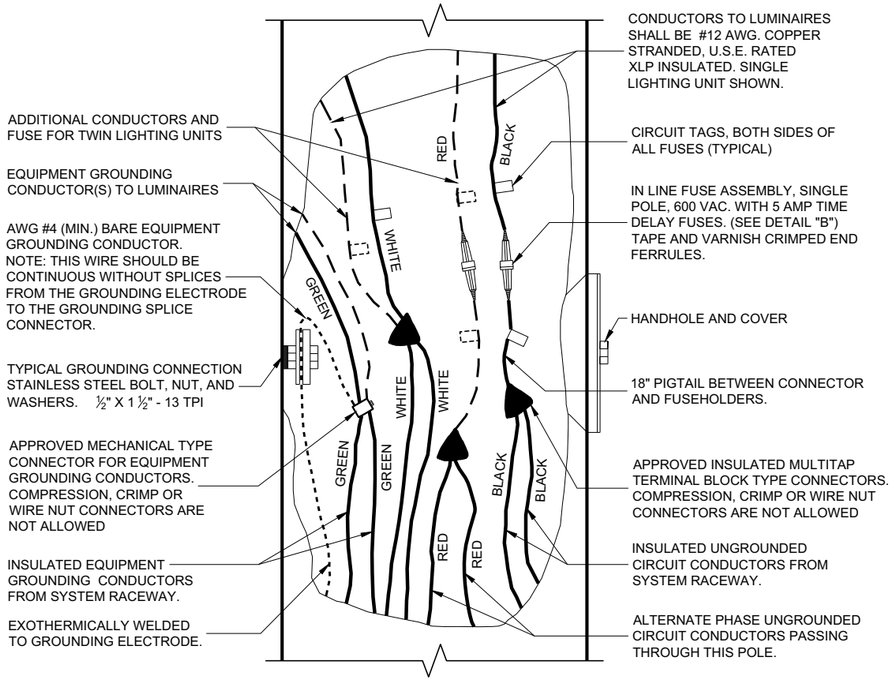
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



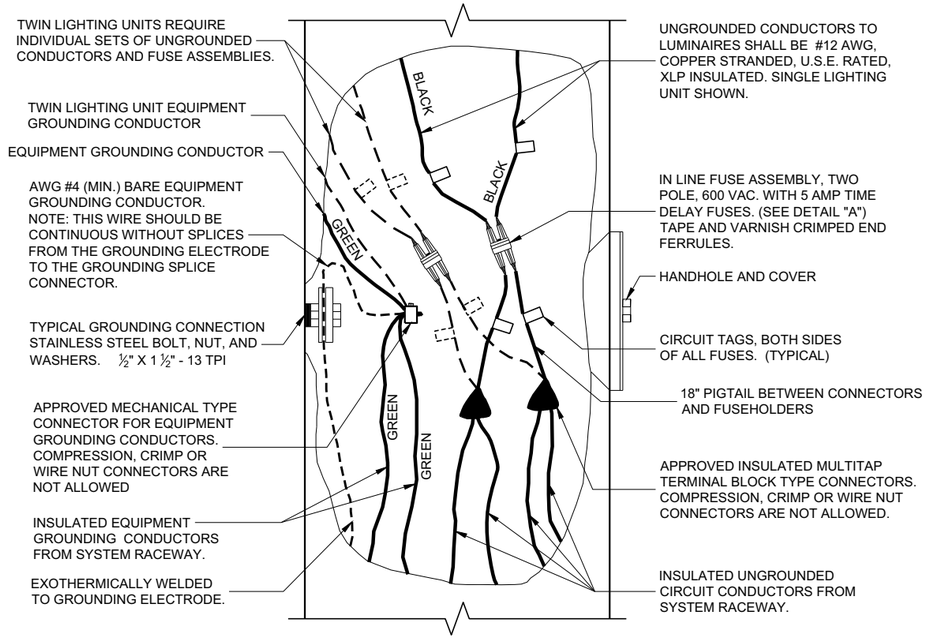
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

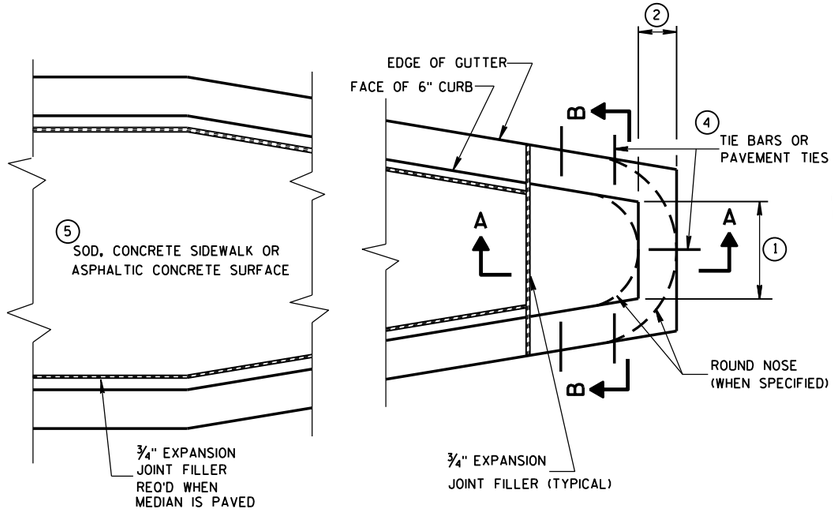
NON - FREEWAY LIGHTING UNIT POLE WIRING

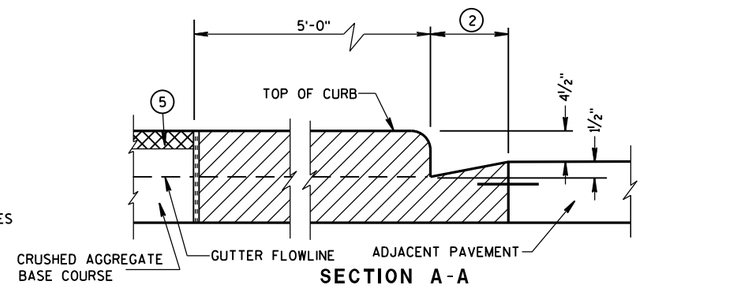
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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SDD 09E03 - 06





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

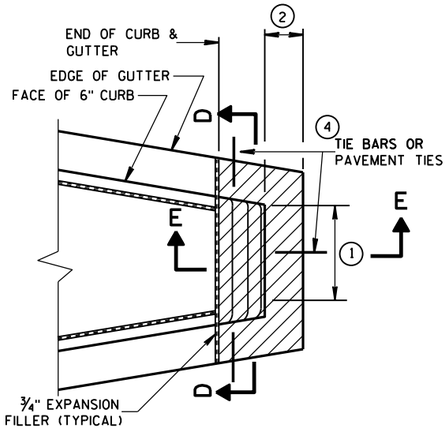
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

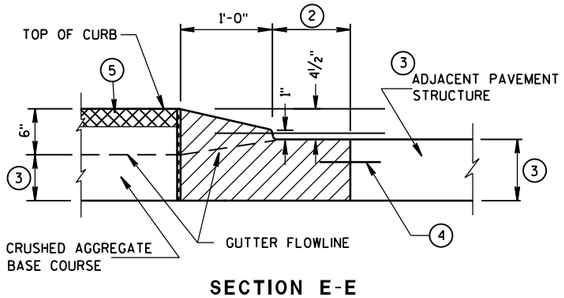
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

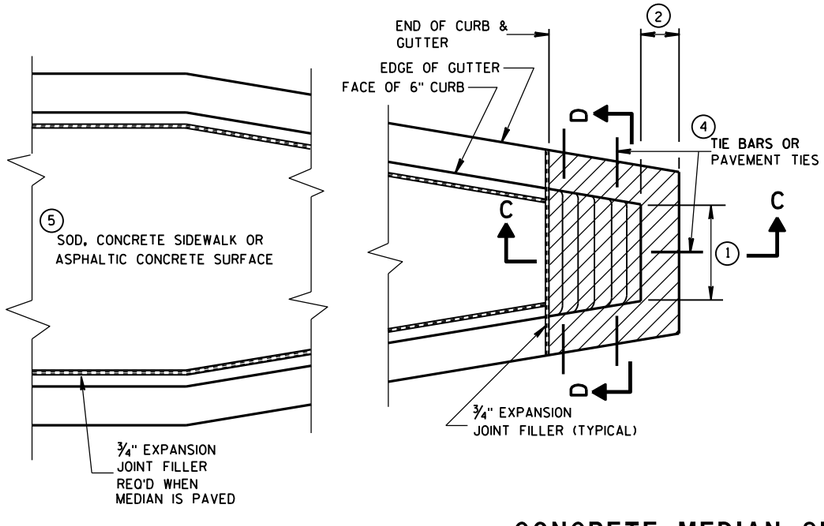
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

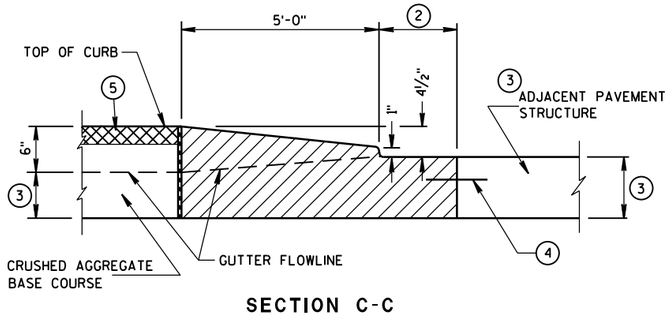




SECTION E-E

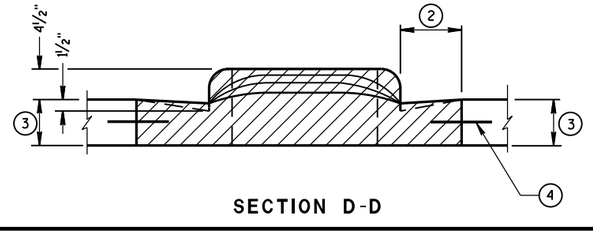
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

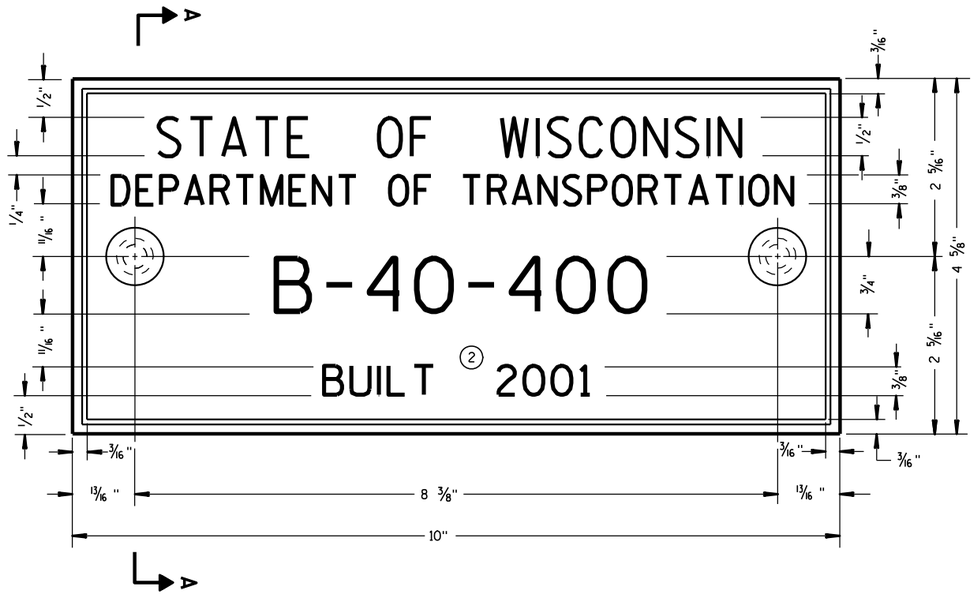
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 11 B 2-2

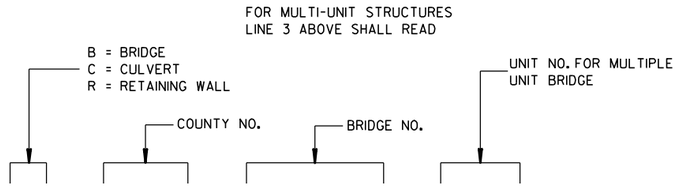
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S.D.D. 11 B 2-2



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

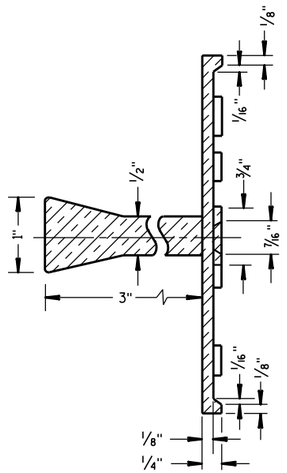
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

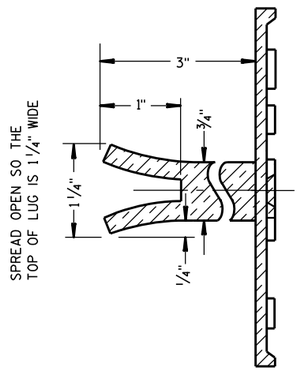
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

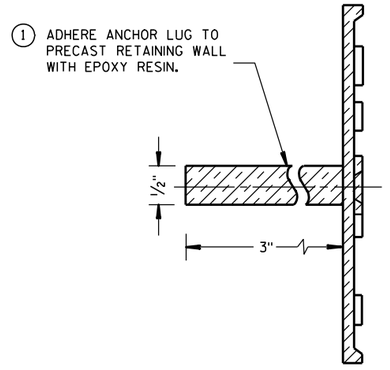
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

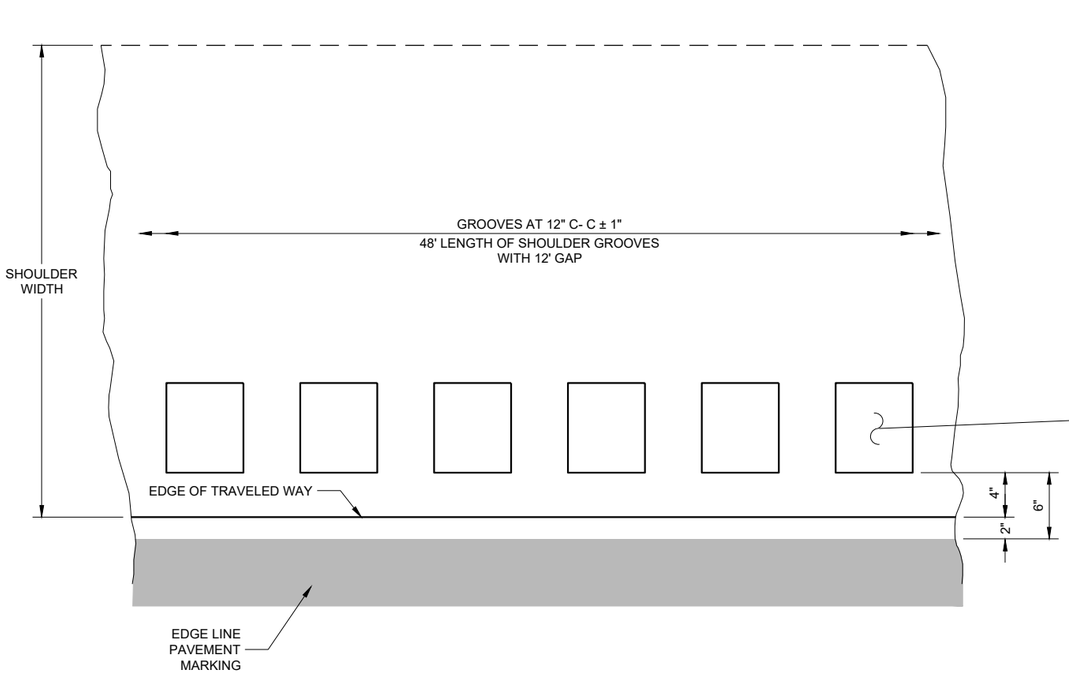
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

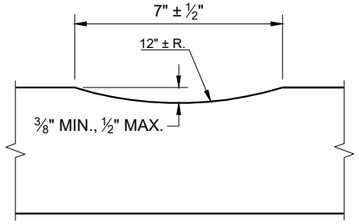
3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP 244 ENGINEER

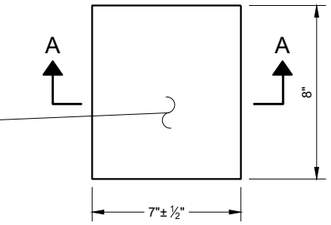
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PLAN DETAIL VIEW
SHOULDER WITH GROOVES



SECTION A - A

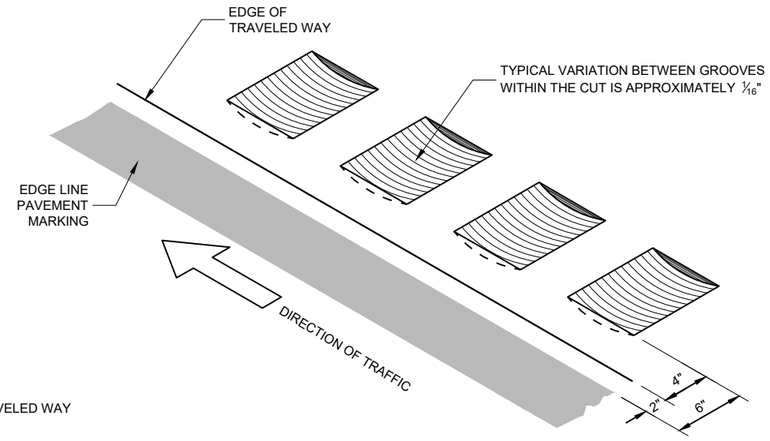


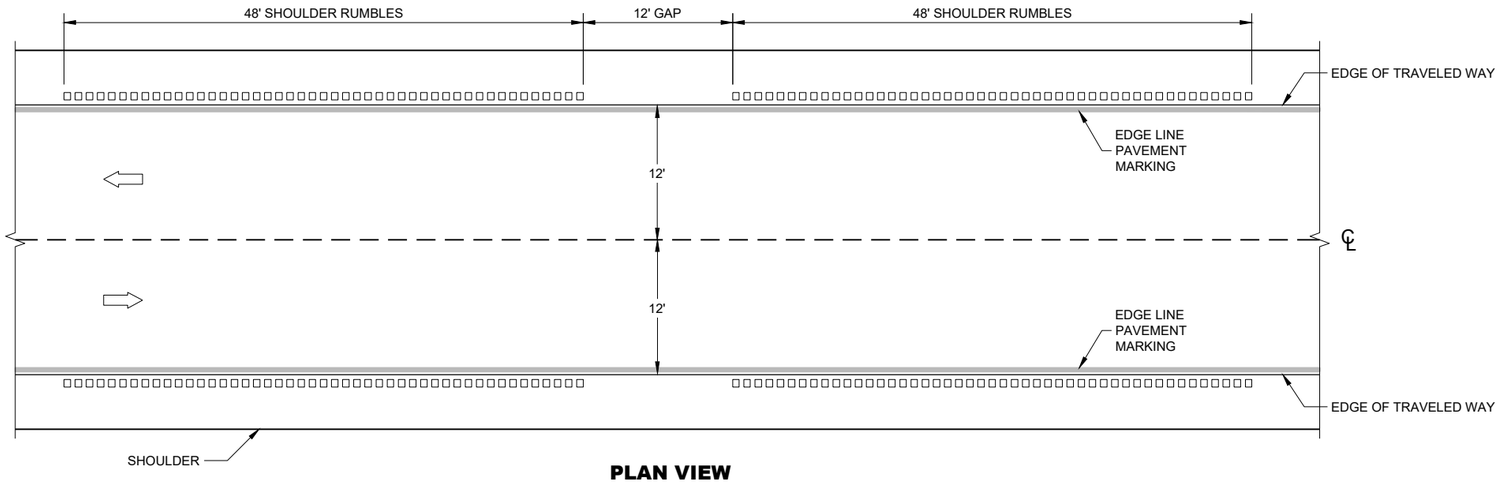
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A10 SHEETS "g" AND "h".

SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.





PLAN VIEW

SHOULDER RUMBLE STRIPS - ASPHALT

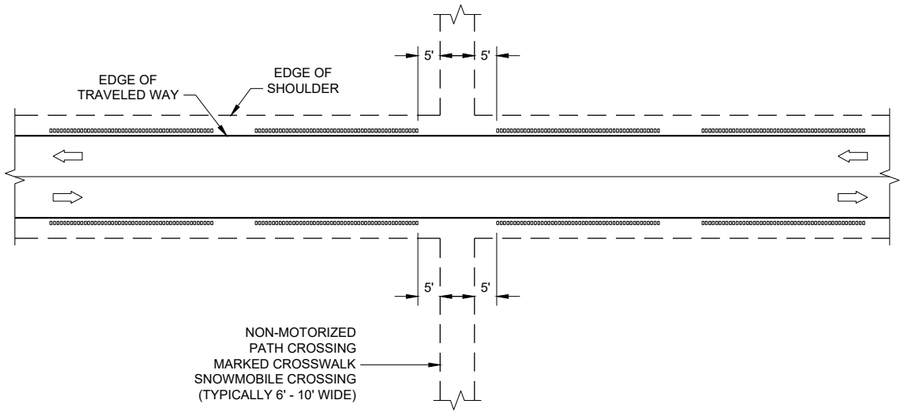
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SDD 13A10 - 03a

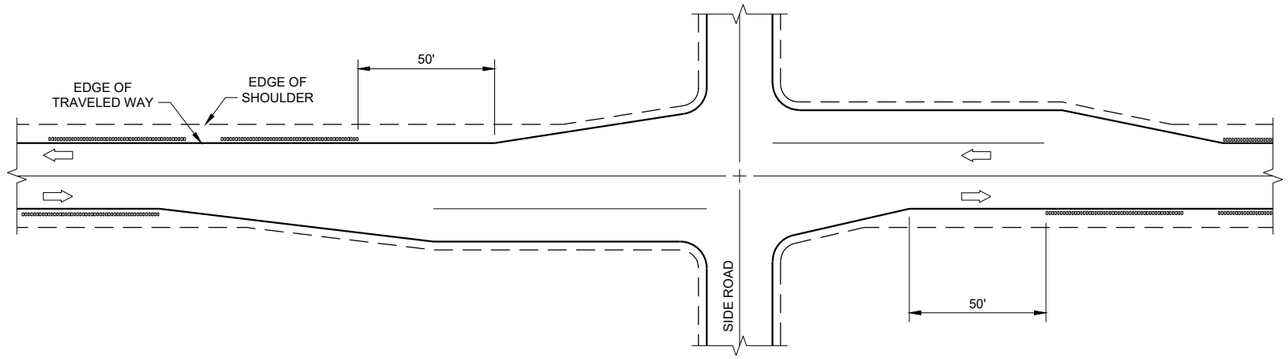
SHOULDER RUMBLE STRIPS ASPHALT

6

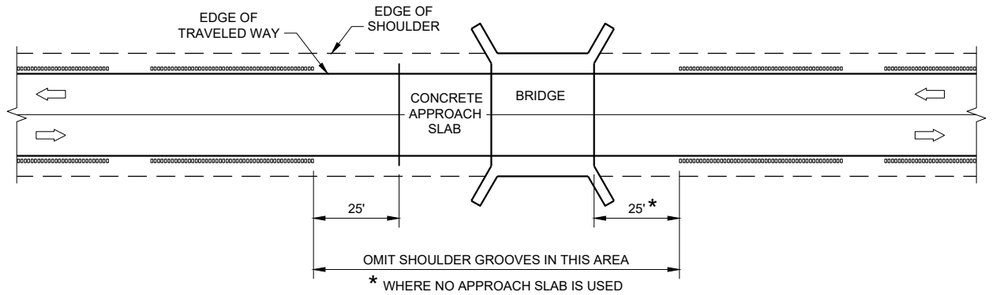
SDD 13A10 - 03a



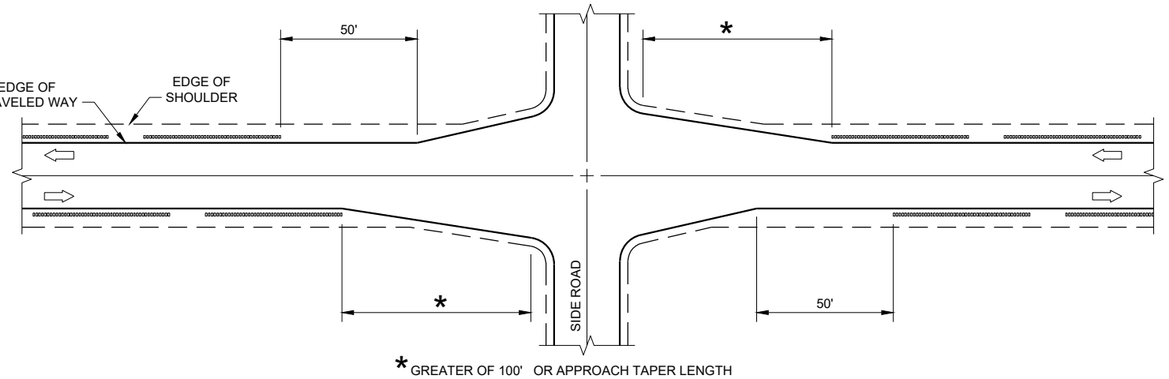
GROOVES AT MISCELLANEOUS CROSSINGS



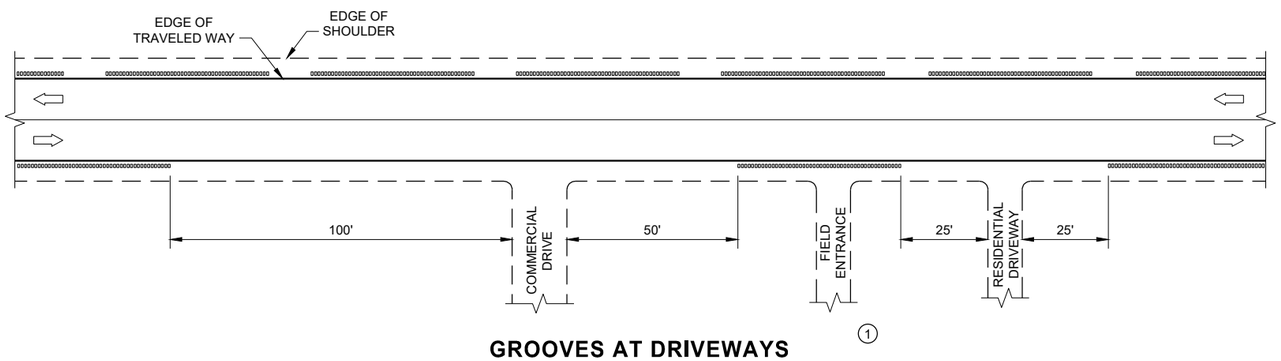
GROOVES AT RIGHT TURN LANE



GROOVES AT BRIDGES



GROOVES AT INTERSECTIONS WITH APPROACH TAPER



GROOVES AT DRIVEWAYS ①

GENERAL NOTES

① SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

SHOULDER AND EDGE LINE RUMBLE STRIPS CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

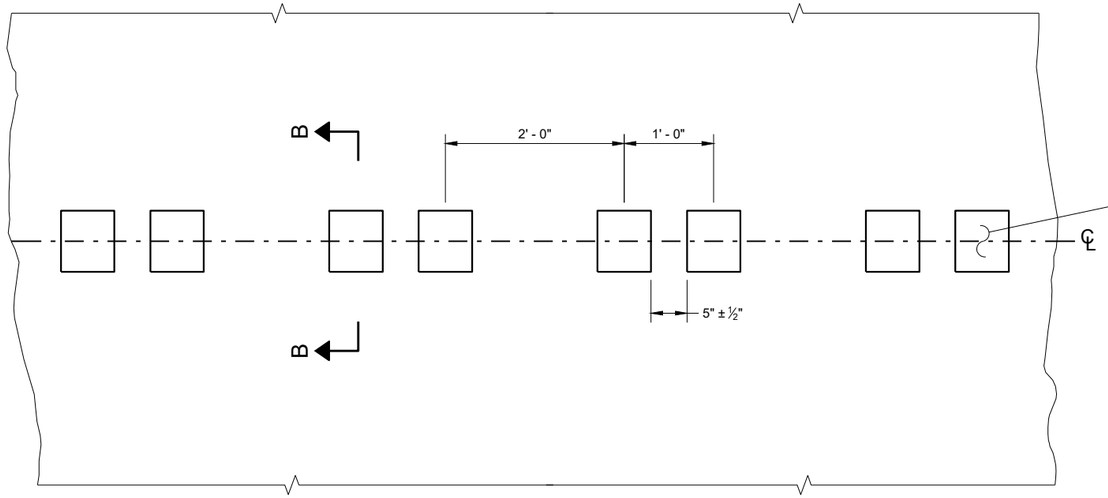
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SDD 13A10 - 03g
SDD 13A10 - 03g

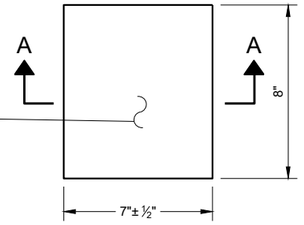
GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A11 SHEETS "d" AND "e".

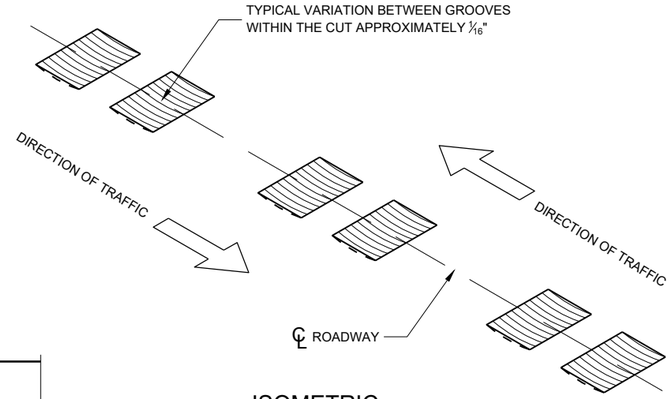
CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



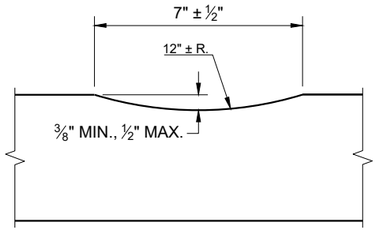
PLAN DETAIL VIEW



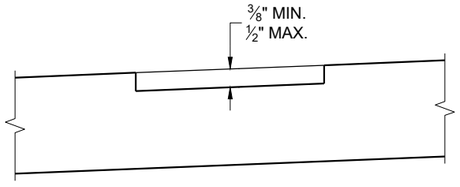
PLAN VIEW
(SINGLE GROOVE)



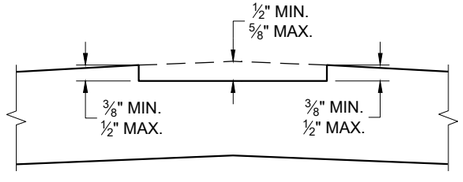
ISOMETRIC



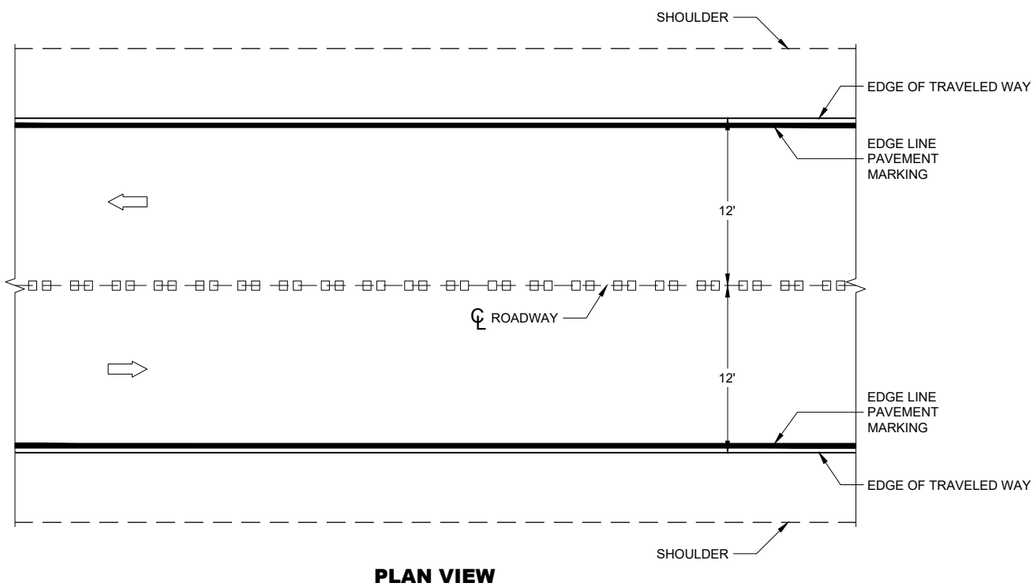
SECTION A - A



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



PLAN VIEW

CENTERLINE RUMBLE STRIPS - ASPHALT

6

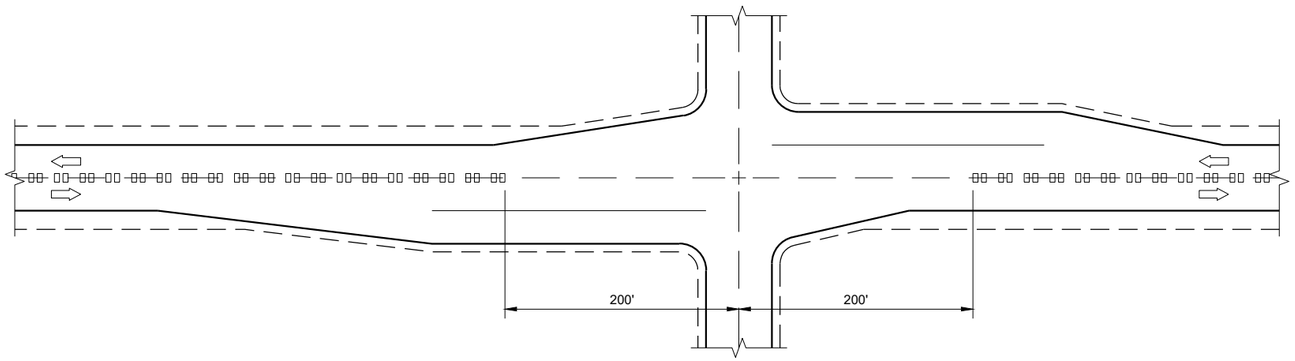
SDD 13A11 - 04a

CENTERLINE RUMBLE STRIPS - ASPHALT

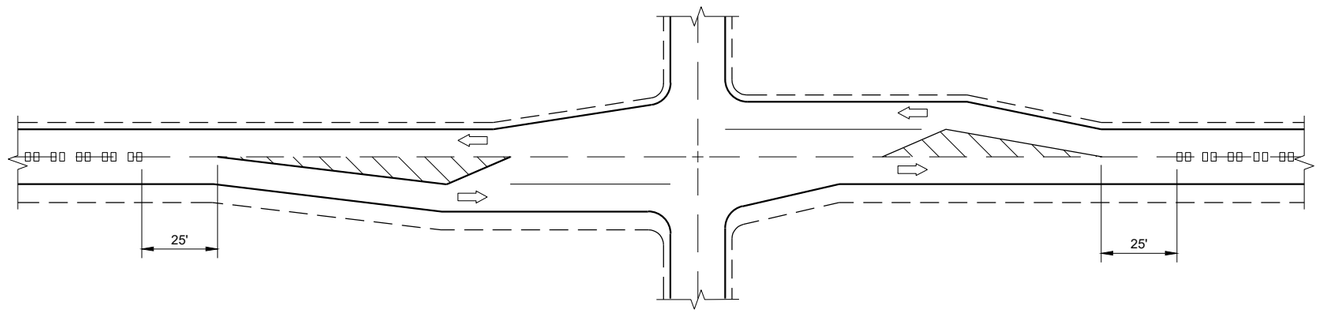
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 247

6

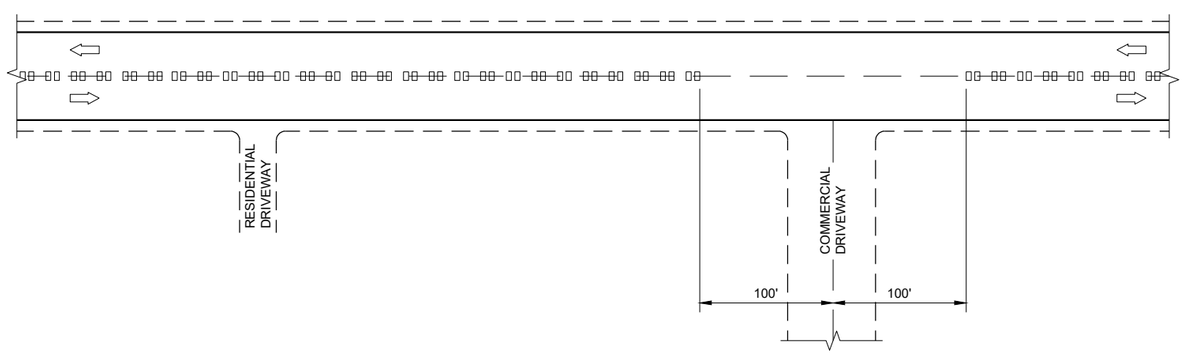
SDD13A11 - 04a



CENTERLINE GROOVES AT INTERSECTIONS



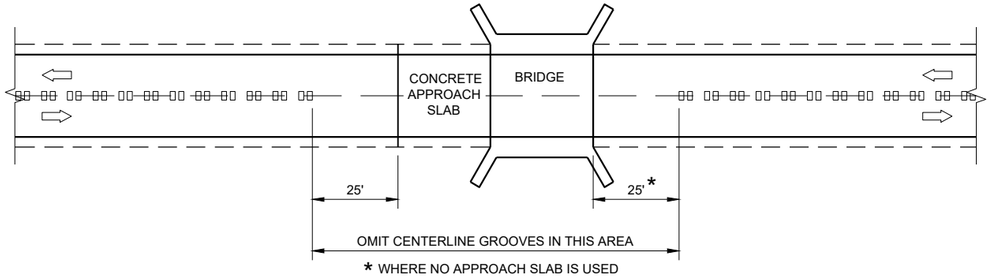
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



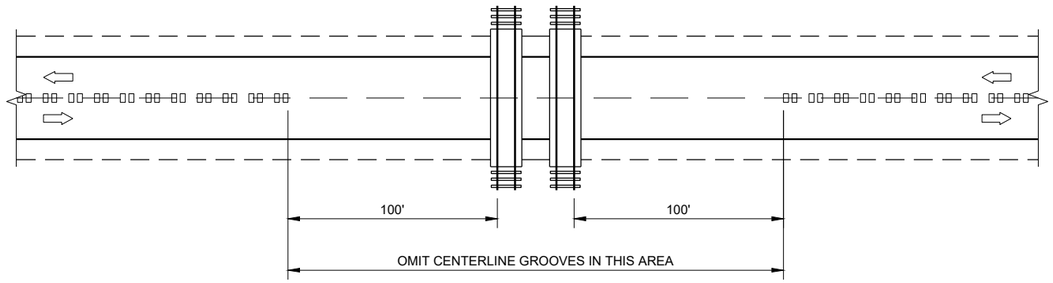
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

CENTER LINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAIL ROADS

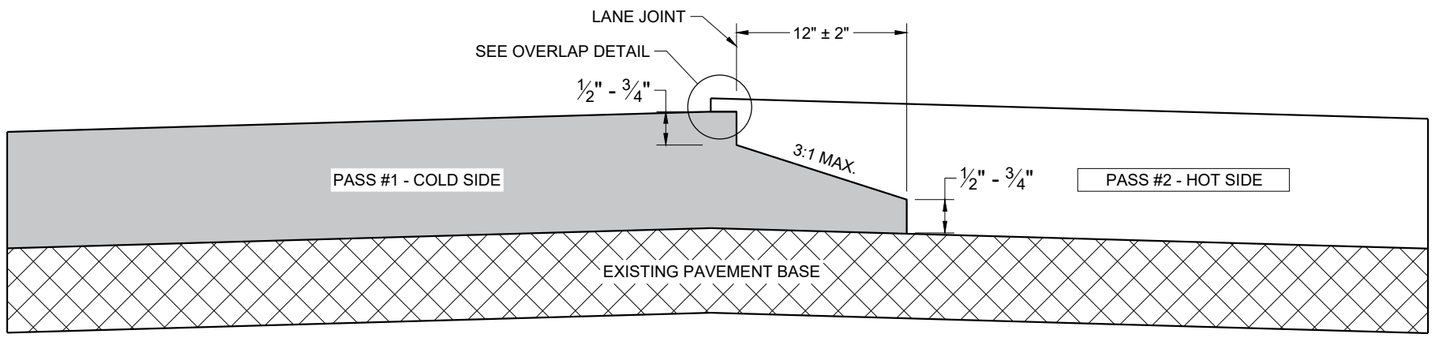
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ John Jenkins — ROADWAY STANDARDS DEVE ENGINEER

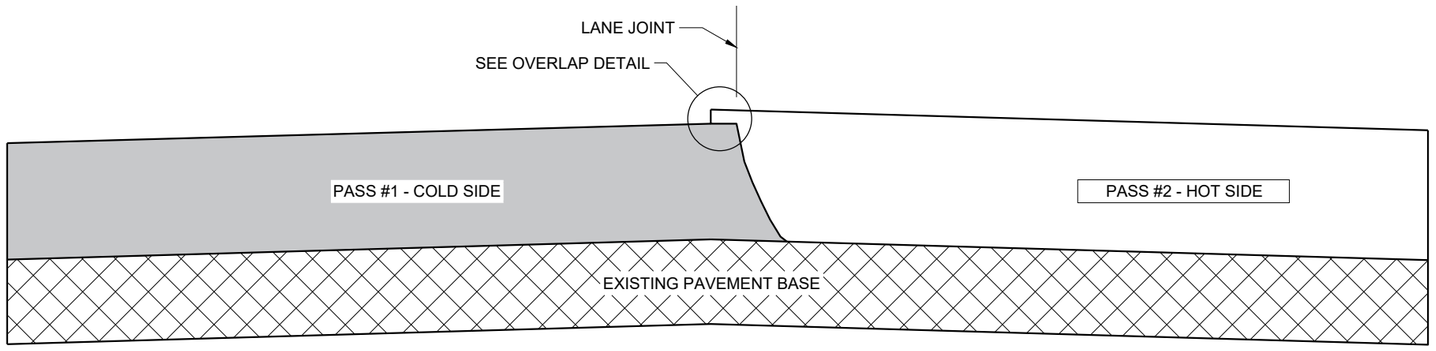
FHWA

6

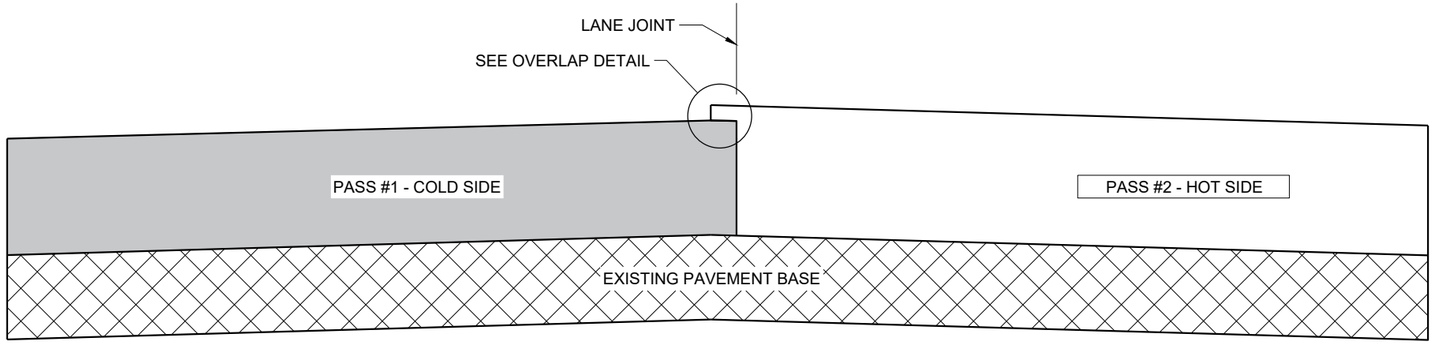
SDD 13A11 - 04d
SDD 13A11 - 04d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

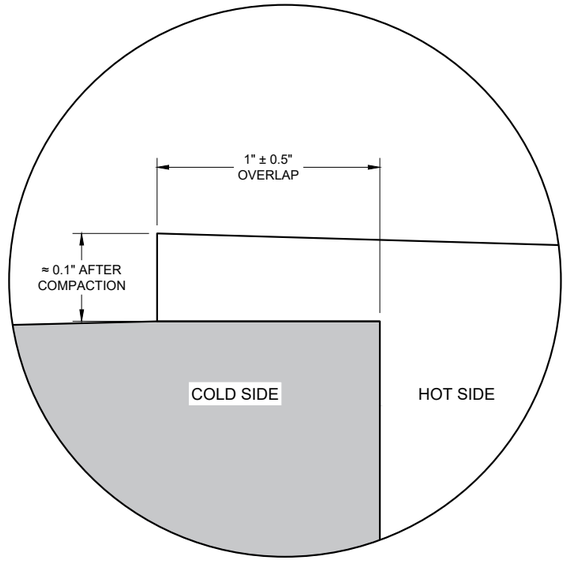
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

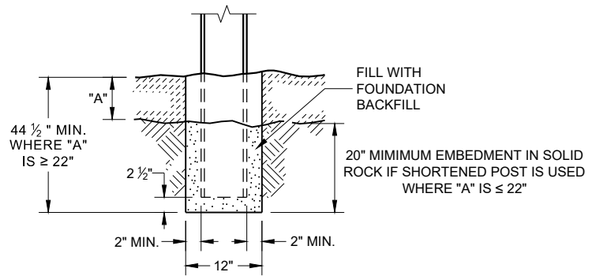
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

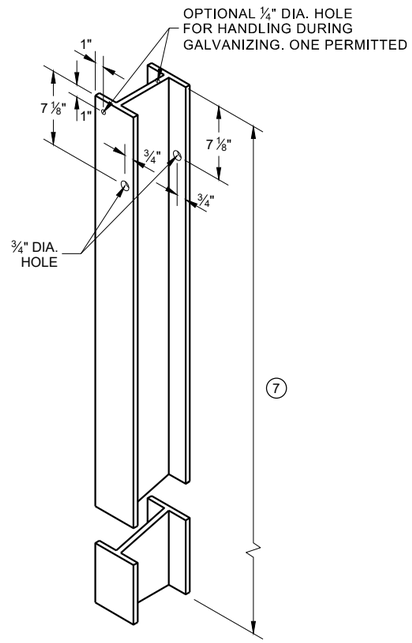
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

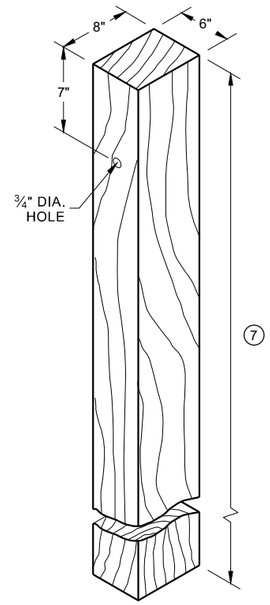
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



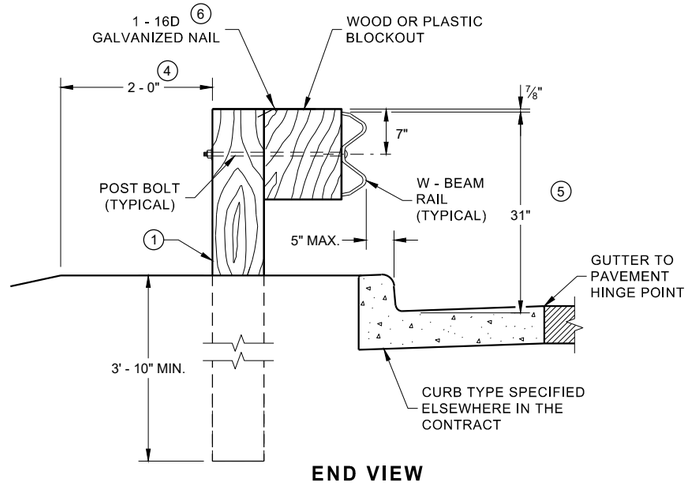
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



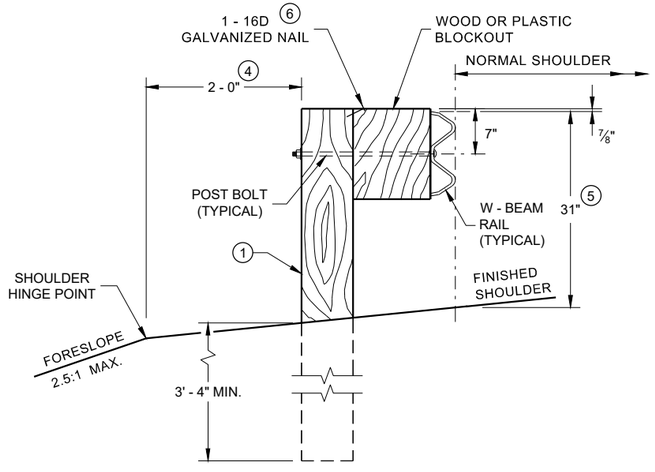
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



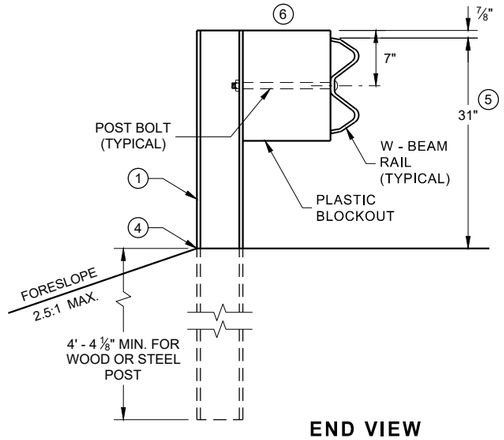
WOOD POST (6" X 8") NOMINAL (1)



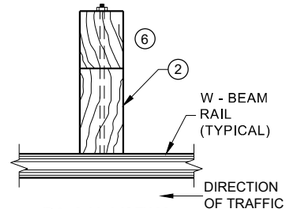
END VIEW
LOCATED ALONG A CURBED ROADWAY



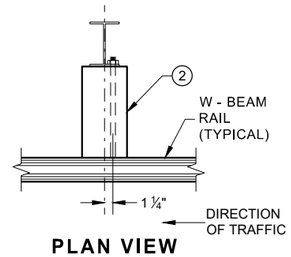
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



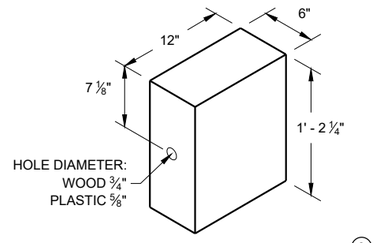
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

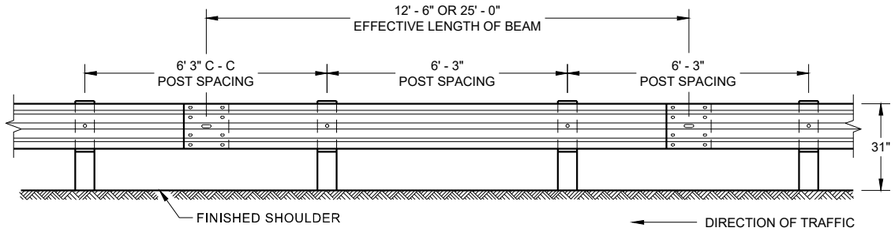
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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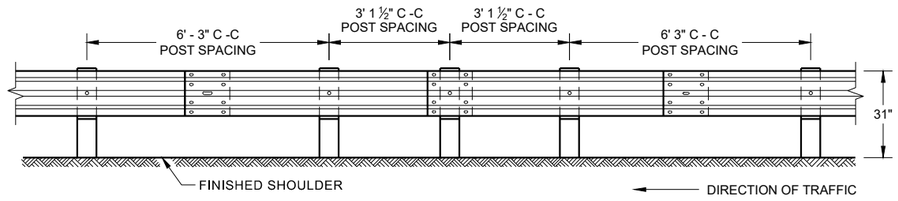
SDD 14B42 - 07a

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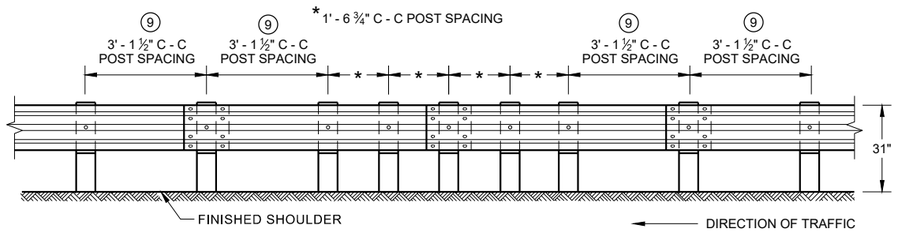
SDD 14B42 - 07a



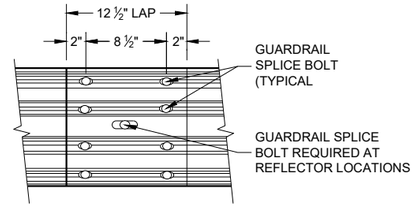
FRONT VIEW
POST SPACING STANDARD INSTALLATION



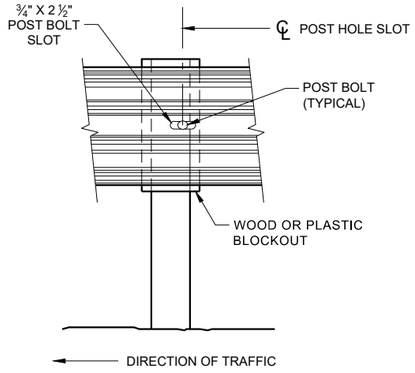
FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



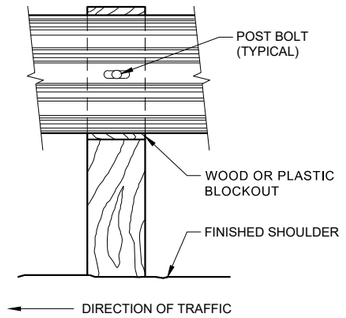
FRONT VIEW
QUARTER POST SPACING (QS)



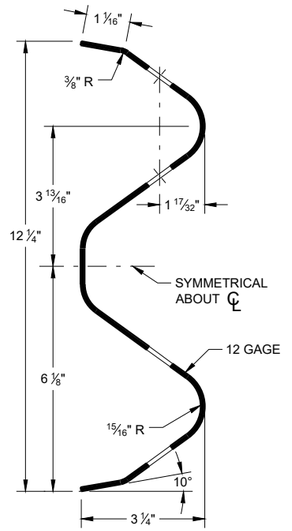
FRONT VIEW
MID-SPAN BEAM SPLICE



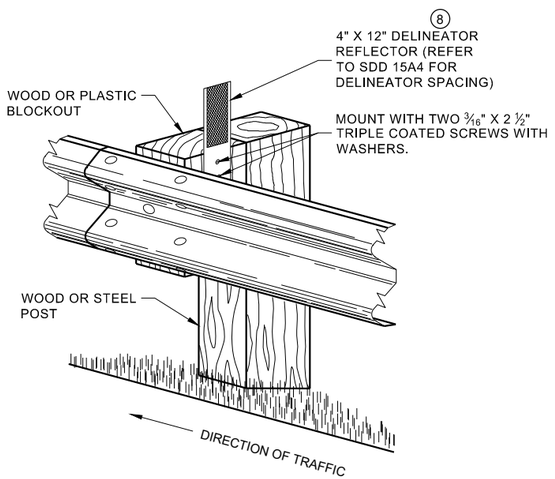
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

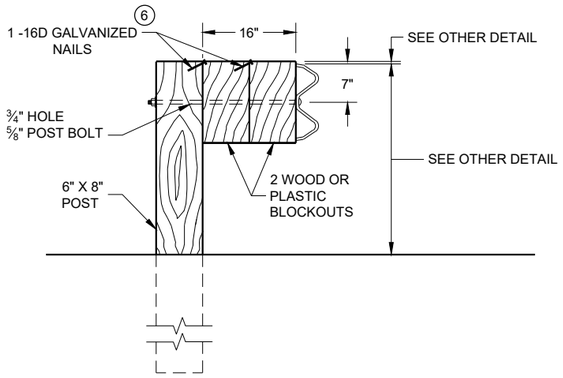
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B42 - 07b

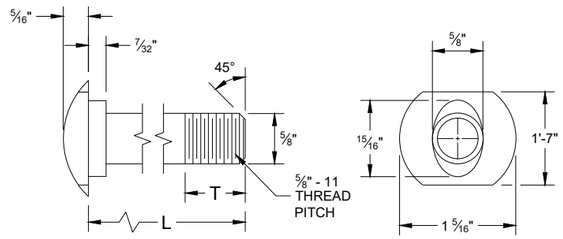


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

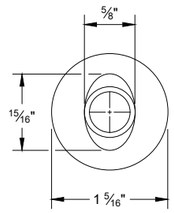
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

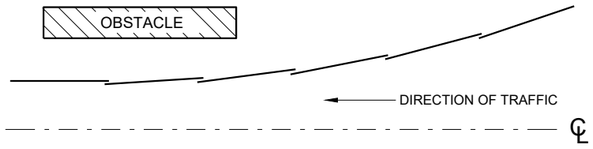


POST BOLT TABLE

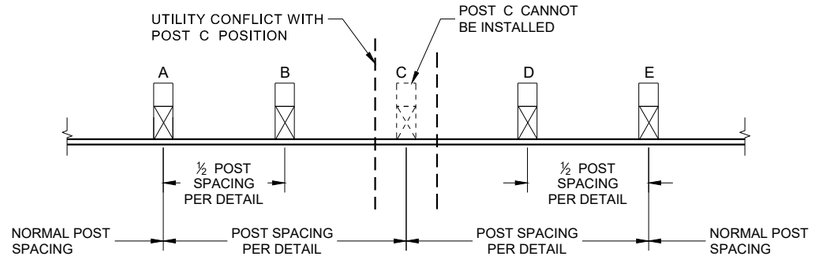
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



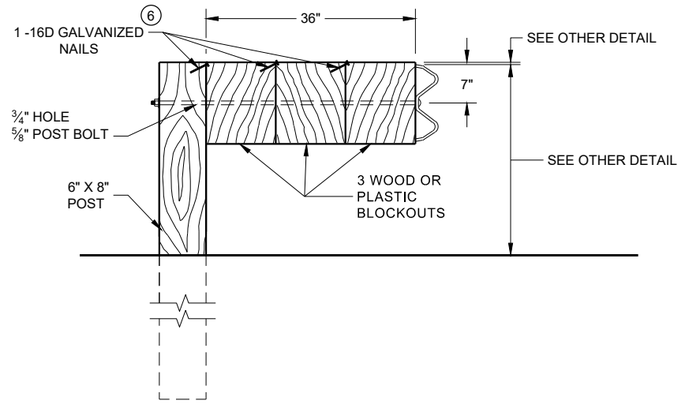
ALTERNATE BOLT HEAD



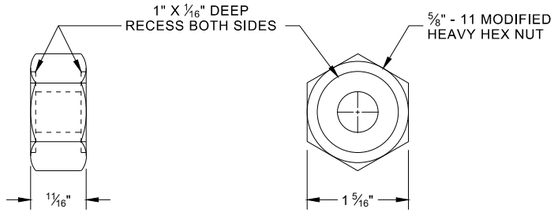
PLAN VIEW
BEAM LAPPING DETAIL



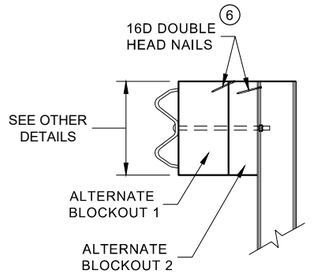
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



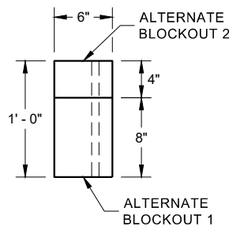
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

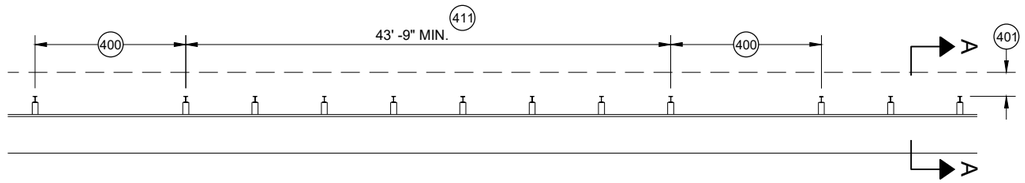
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

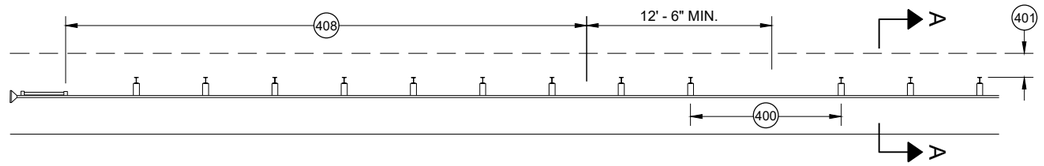
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MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

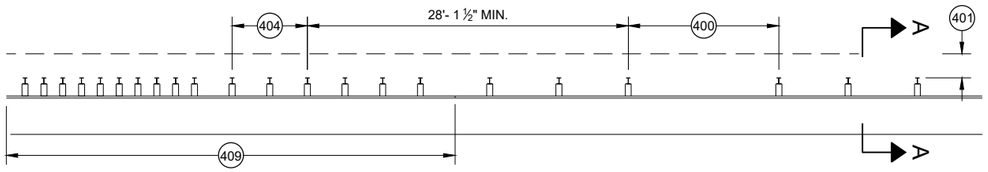
SDD 14B42 - 07c



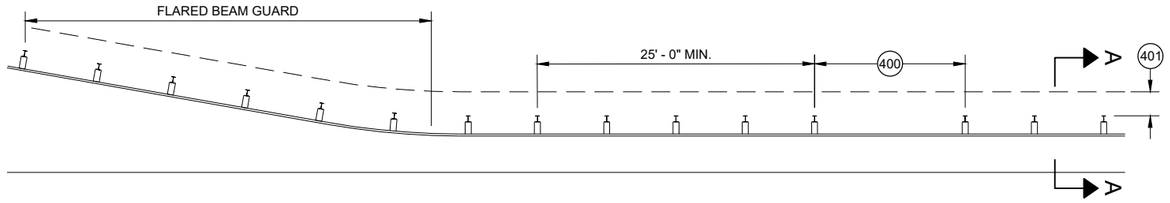
MISSING POST IN MGS GUARDRAIL



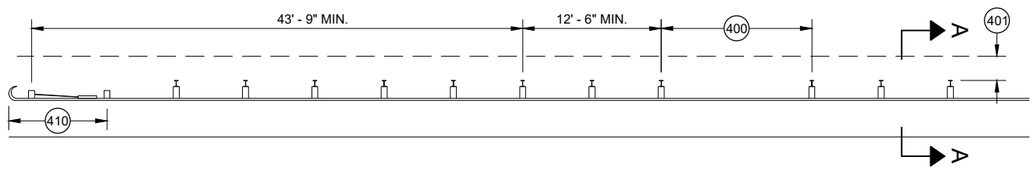
MISSING POST IN MGS GUARDRAIL NEAR EAT



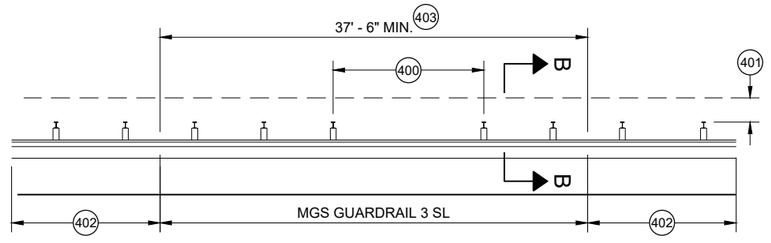
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

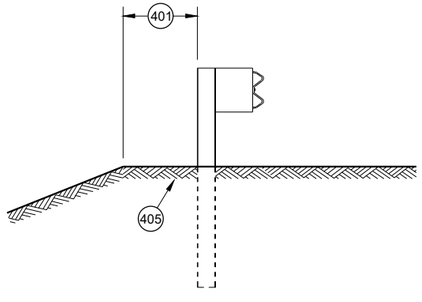


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

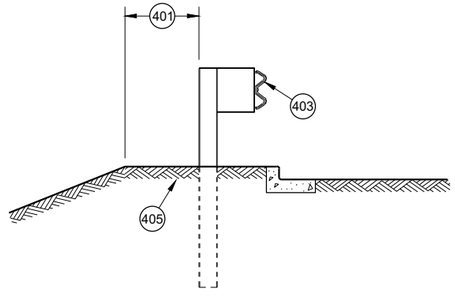


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

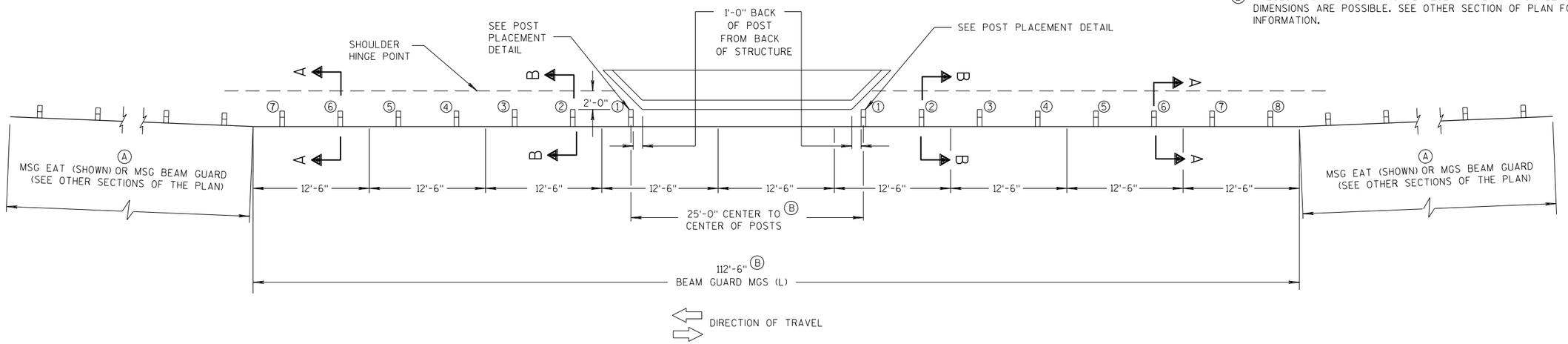
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

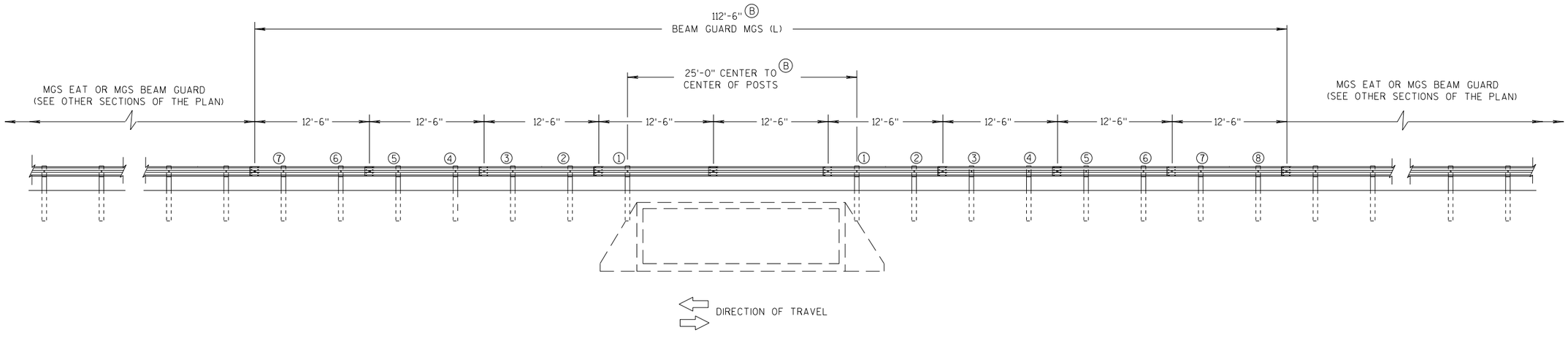
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4a

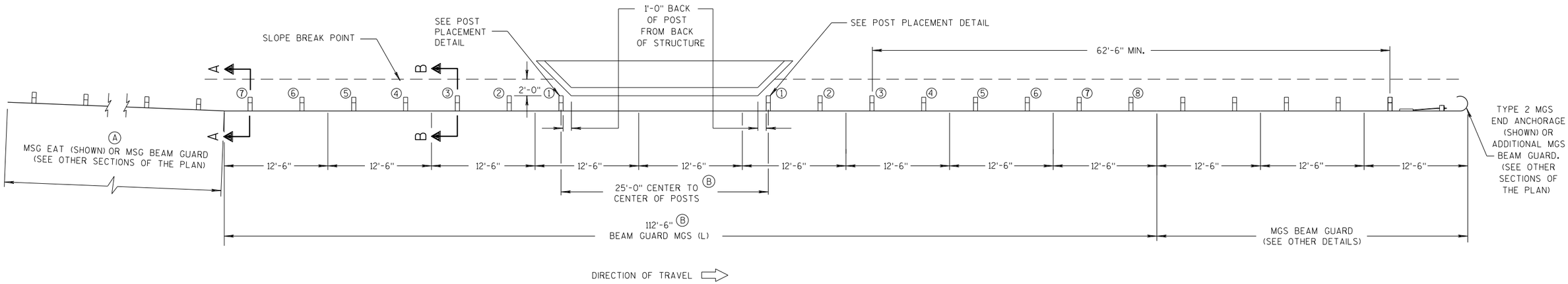
GENERAL NOTES

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ALL OTHER POSTS SHALL BE WOOD OR STEEL.

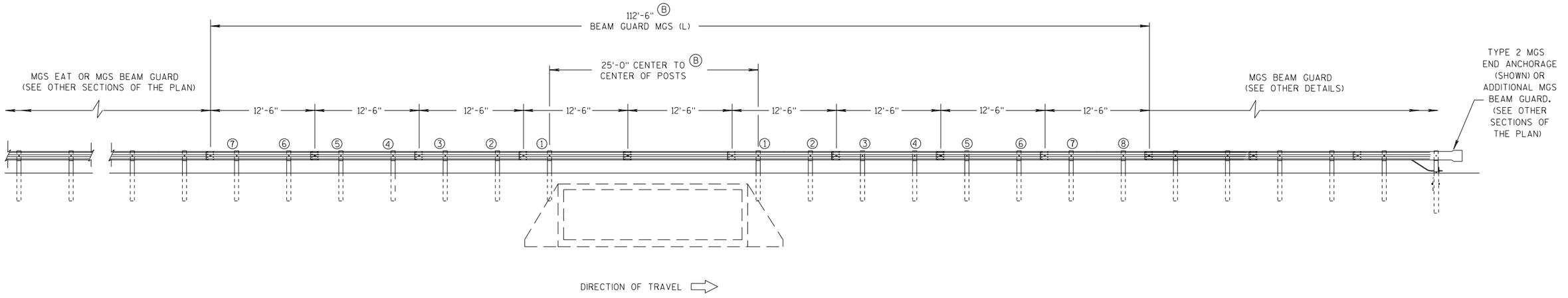
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



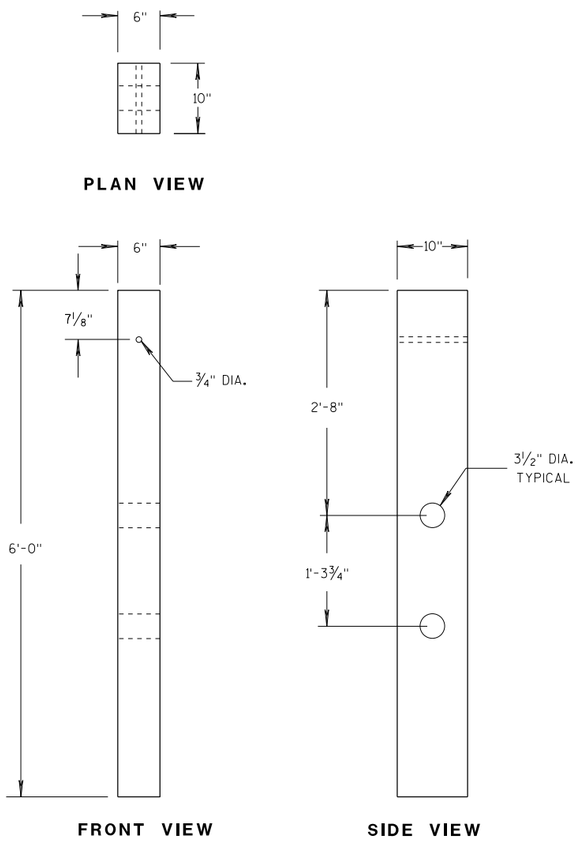
ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

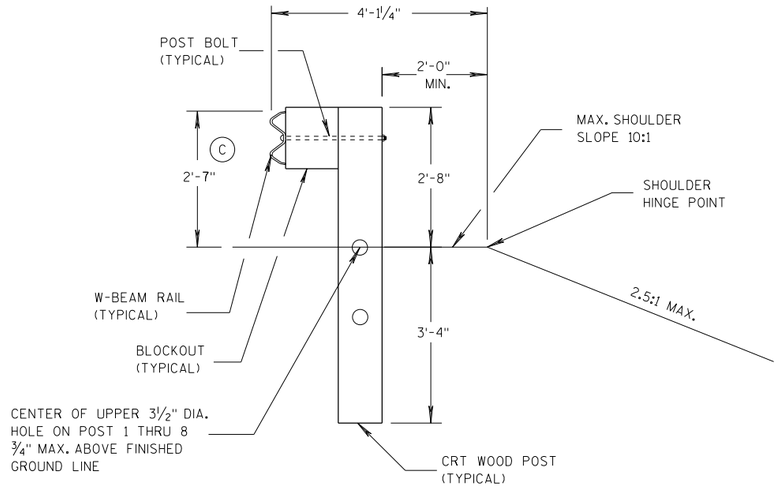
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	255

6

S.D.D. 14 B 43-4b



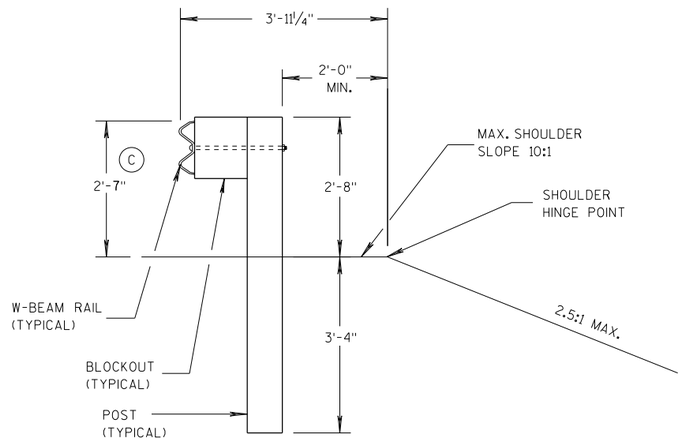
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



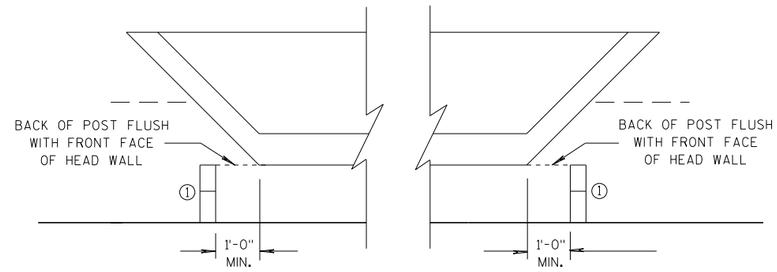
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DIRECTOR
ENGINEER

S.D.D. 14 B 43-4c

6

S.D.D. 14 B 43-4c

6

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

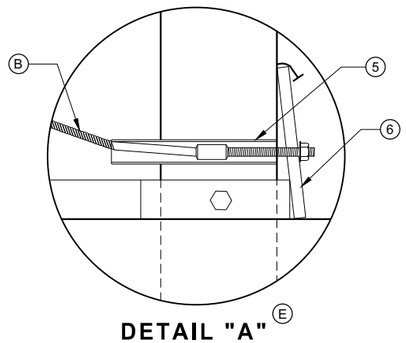
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

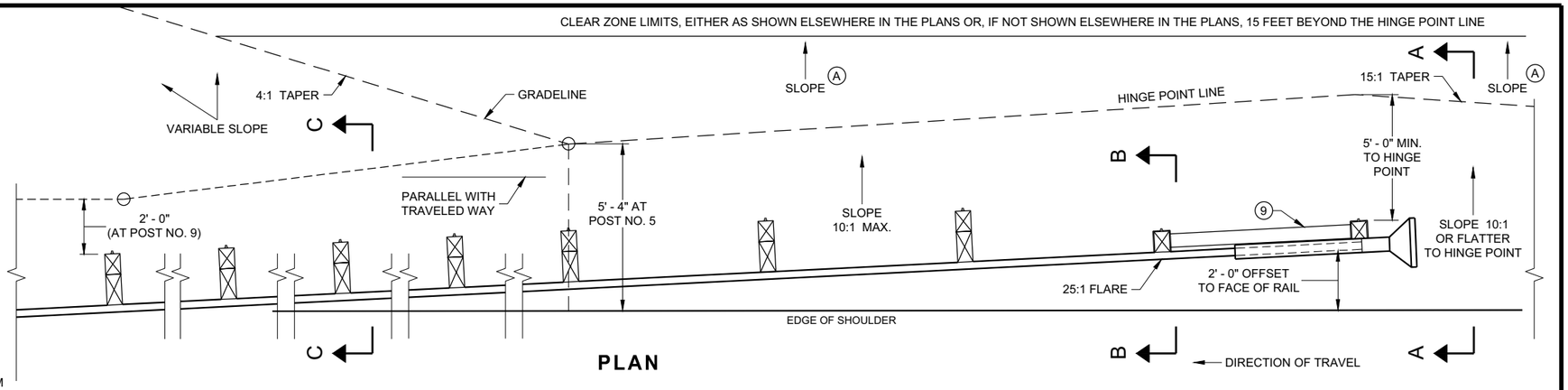
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

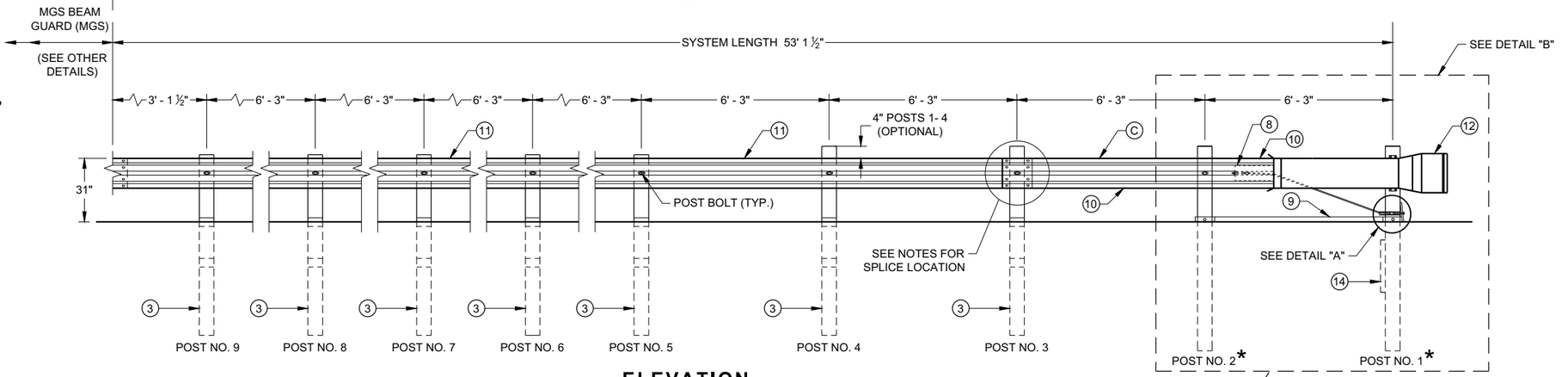
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

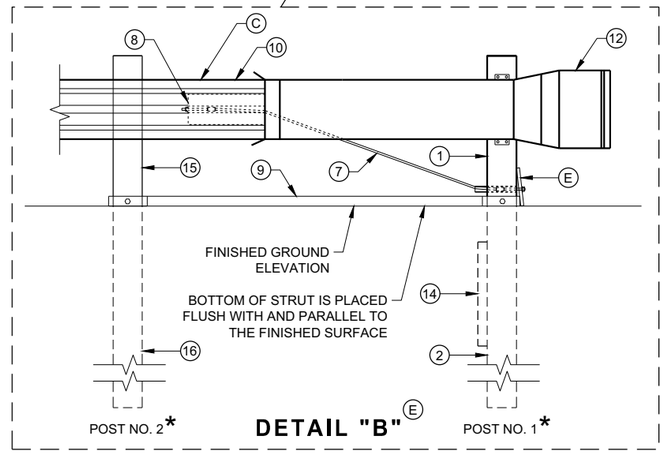
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.

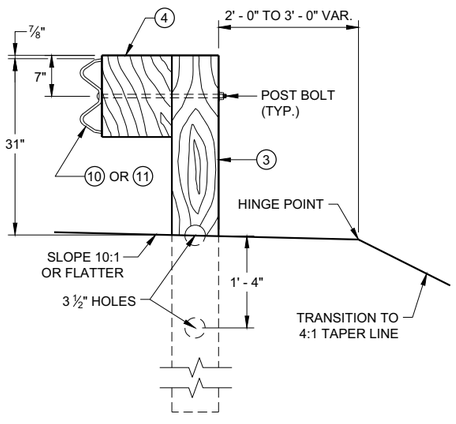


DETAIL "A" (E)

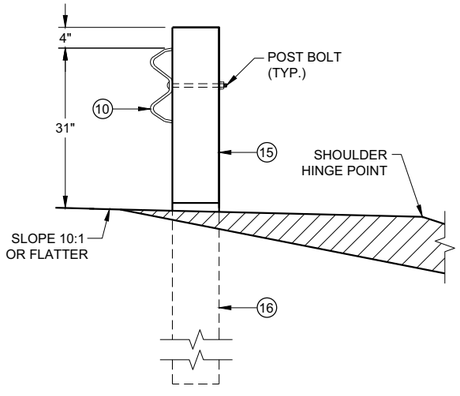




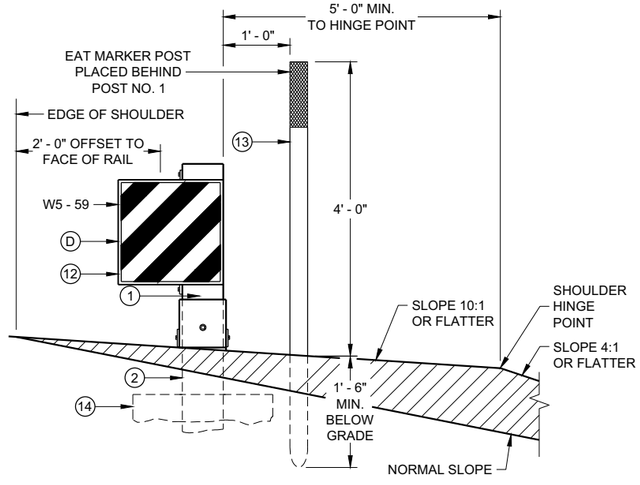




SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



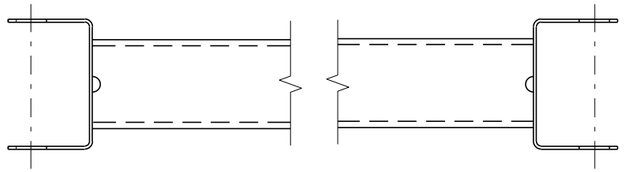
SECTION A - A
TYPICAL AT POST NO. 1*

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

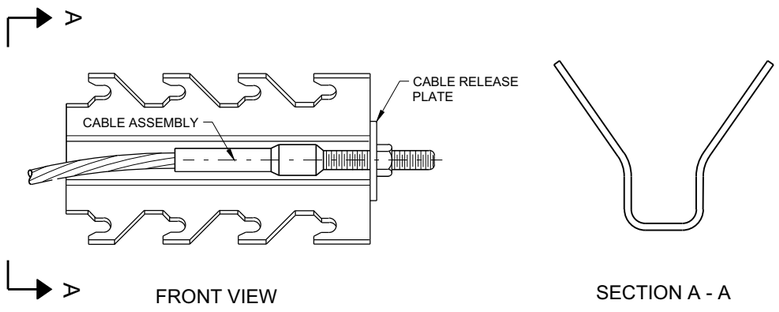
SDD 14B44 - 04a



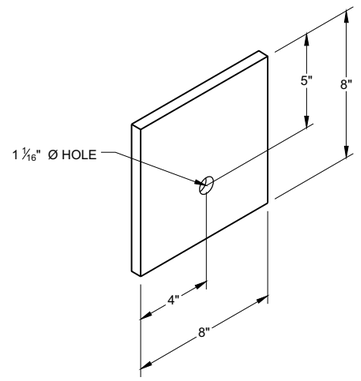
GENERIC GROUND STRUT (9) (E)

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
(1)	UPPER POST NO. 1 6" X 6" TUBE
(2)	LOWER POST NO. 1
(3)	WOOD CRT
(4)	WOOD BLOCKOUT
(5)	PIPE SLEEVE
(6)	BEARING PLATE
(7)	BCT CABLE ASSEMBLY
(8)	ANCHOR CABLE BOX
(9)	GROUND STRUT
(10)	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(12)	IMPACT HEAD
(13)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
(14)	SOIL PLATE
(15)	UPPER POST NO. 2
(16)	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX (9) (E)



BEARING PLATE (6) (E)

6

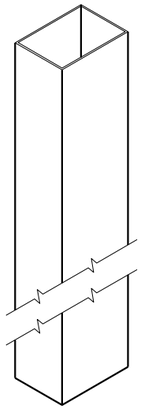
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SDD 14B44 - 04b

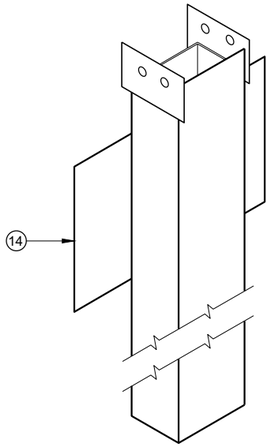
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

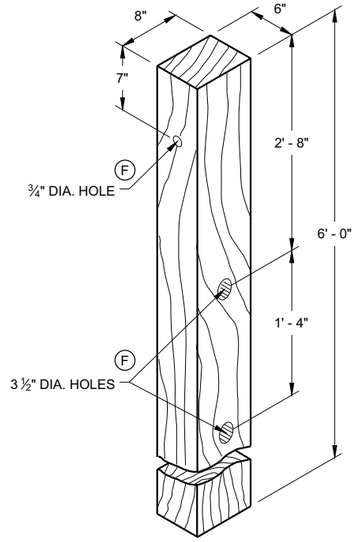
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



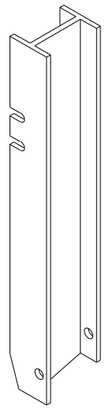
UPPER POST NO. 1 (1) (E)



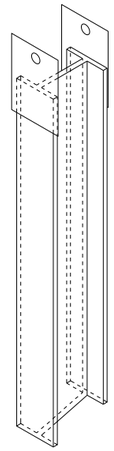
LOWER POST NO. 1 (2) (E)



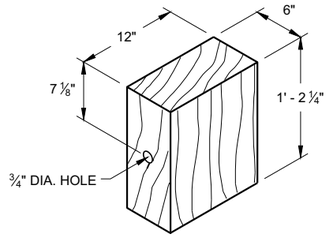
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



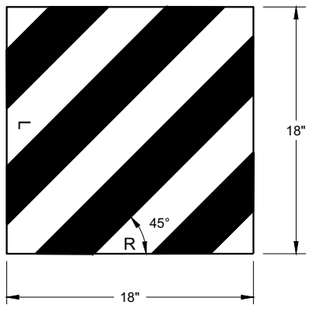
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

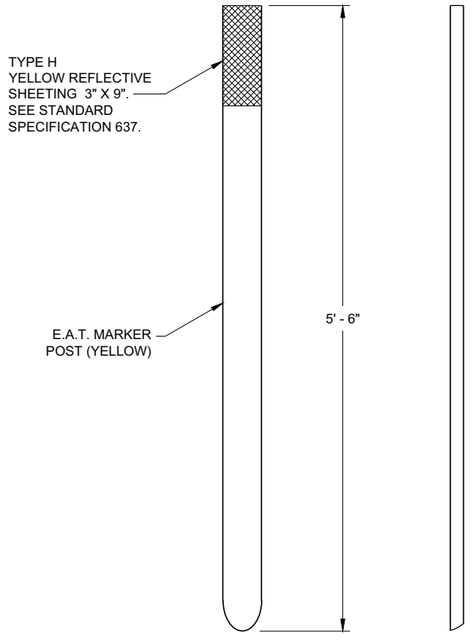


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



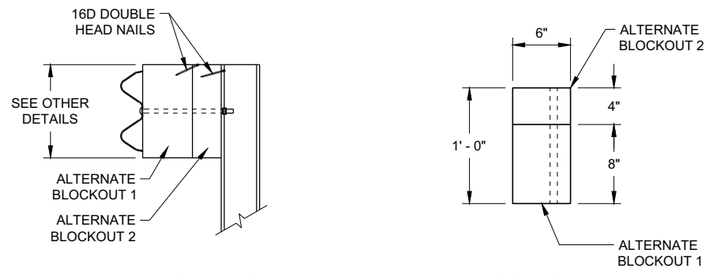
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

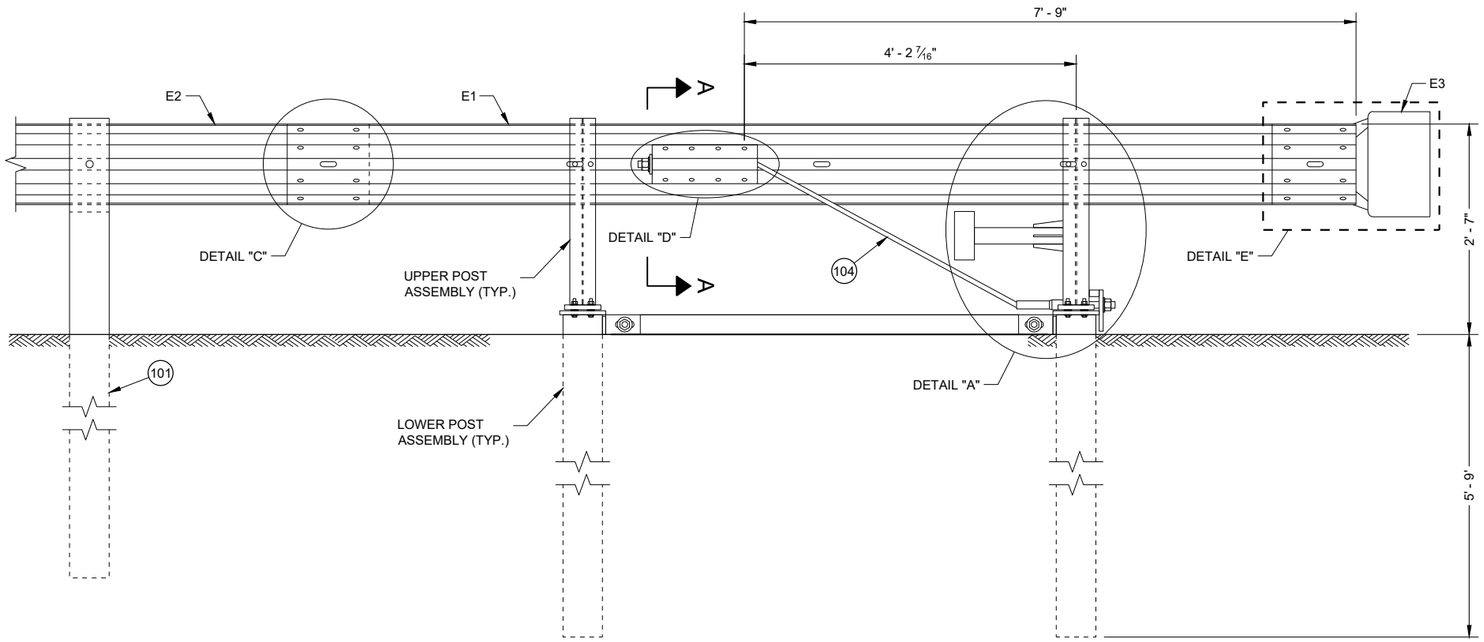
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

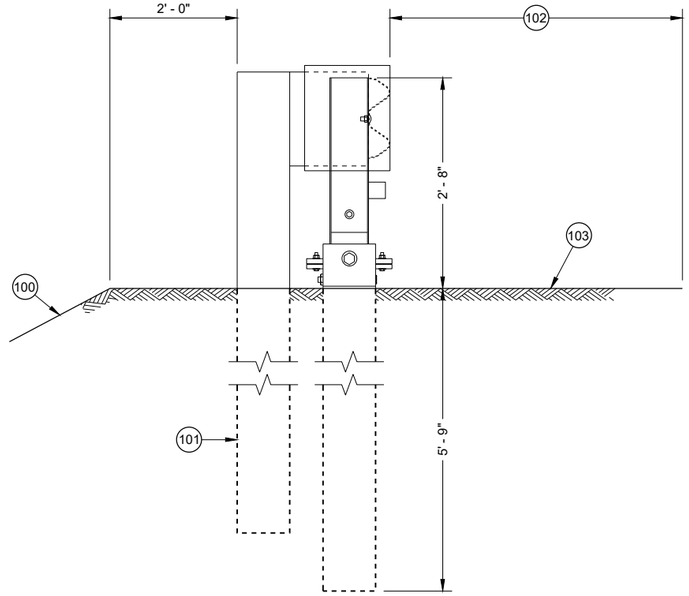
FHWA

6

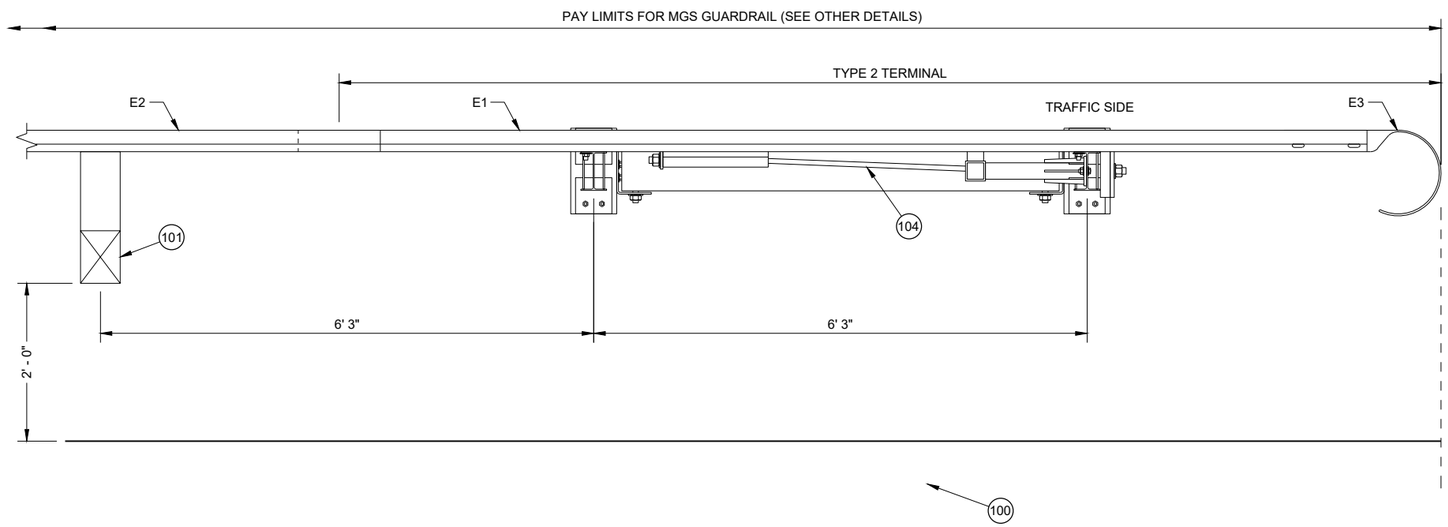
SDD 14B44 - 04c



BACK VIEW
TYPE 2 TERMINAL



SIDE VIEW
TYPE 2 TERMINAL



TOP VIEW
TYPE 2 TERMINAL

GENERAL NOTES

(100) MAXIMUM SLOPE IS 2.5:1.

(101) SEE SDD 14B42 FOR MORE INFORMATION.

(102) SHOULDER

(103) MAXIMUM SLOPE IS 10:1.

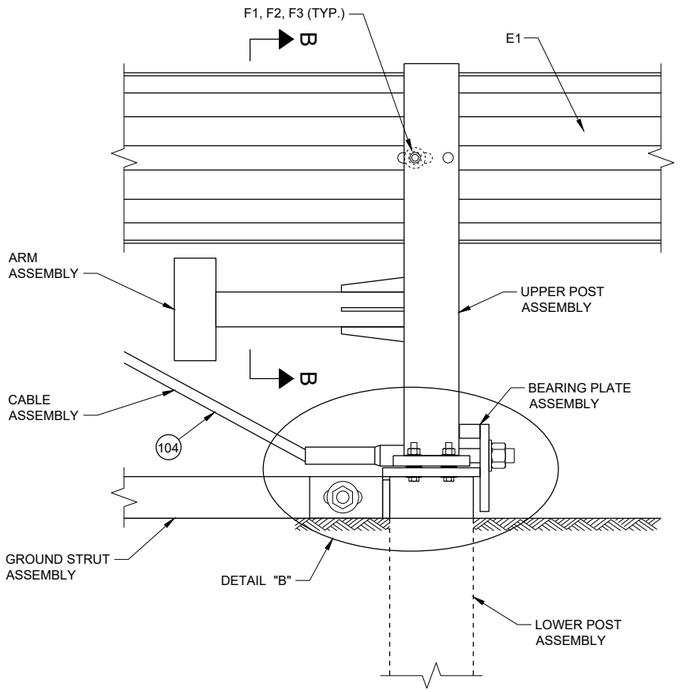
(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

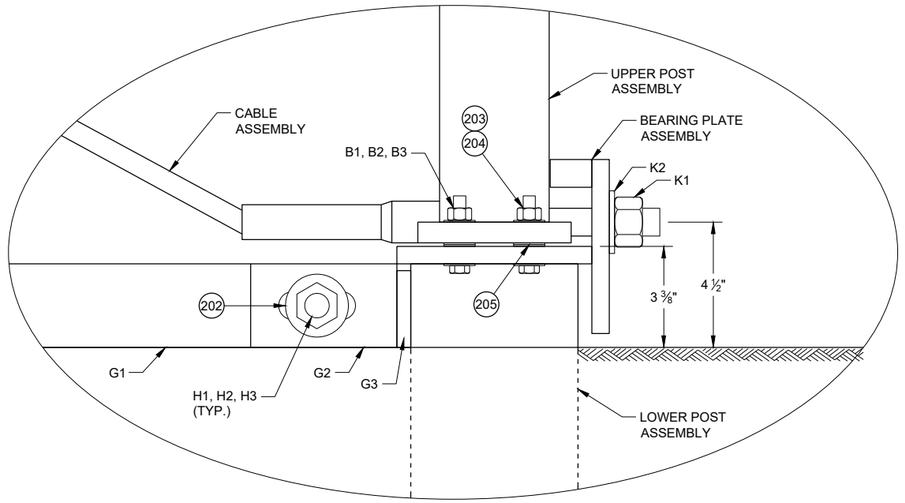
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

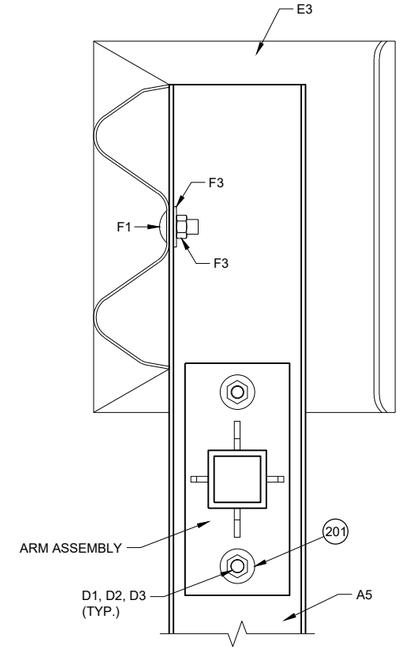
SDD 14B47 - 05a



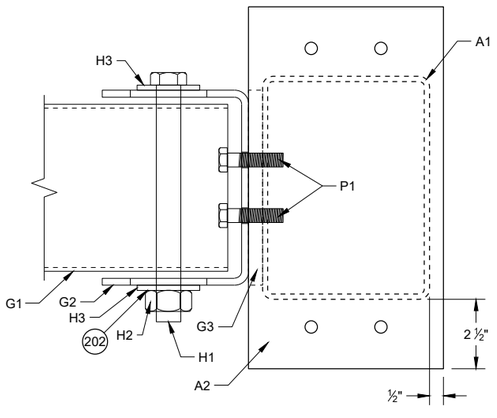
DETAIL "A"



DETAIL "B"

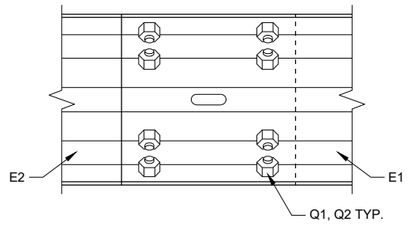


SECTION B - B



TOP VIEW

GROUND STRUT CONNECTION DETAIL



DETAIL "C"

GENERAL NOTES

200 INSTALL ONE WASHER UNDER BOLT HEAD AND RAIL AND ON WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

201 INSTALL ONE WASHER UNDER BOLT HEAD AND UPPER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND ARM PLATE.

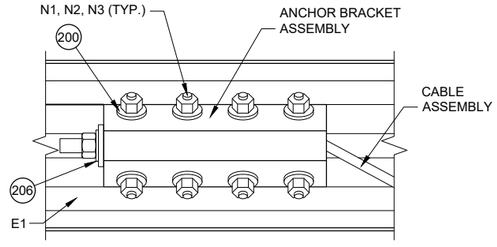
202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

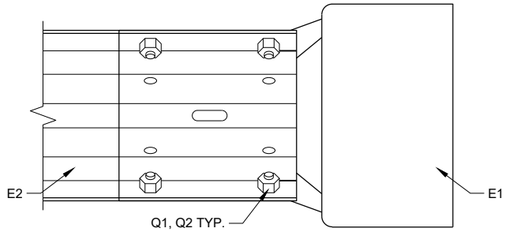
204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

205 TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

206 INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.



DETAIL "D"



DETAIL "E"

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

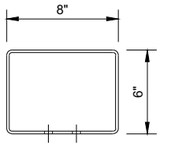
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

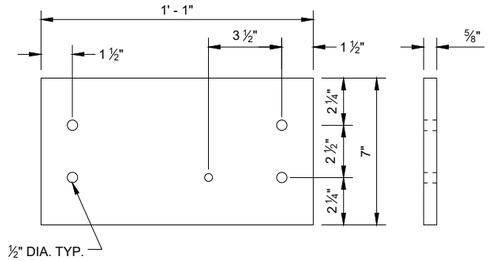
SDD 14B47 - 05b

GENERAL NOTES

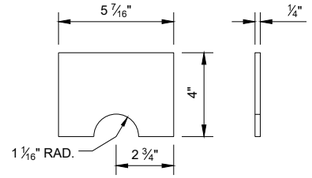
(300) TAP FOR 1/2" AFTER GALVANIZATION



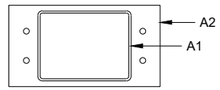
TOP VIEW



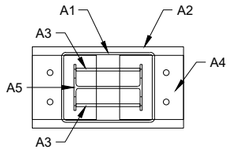
LOWER PLATE (A2)

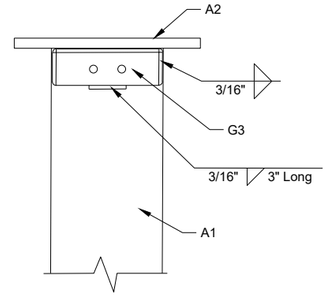


POST GUSSET (A3)

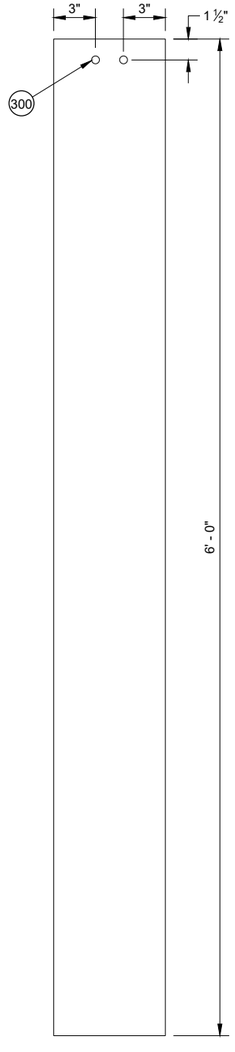


PLAN VIEW



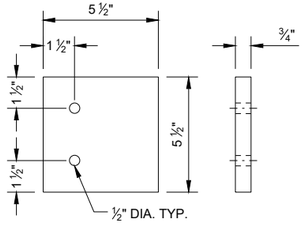


WELDING DETAIL
G3 AND A1

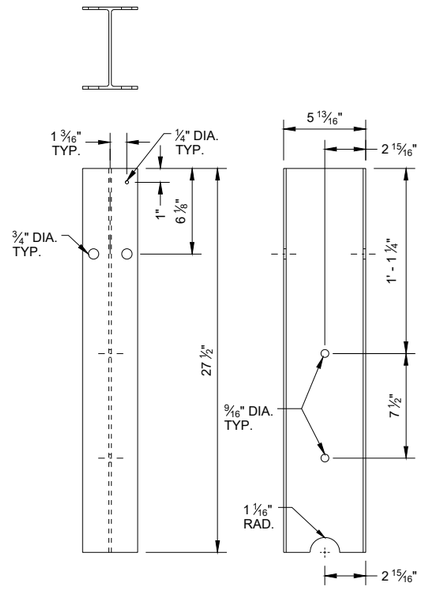


SIDE VIEW

FOUNDATION TUBE (A1)

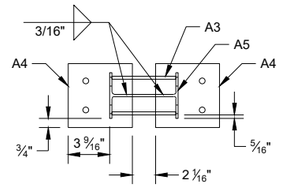


UPPER PLATE (A4)

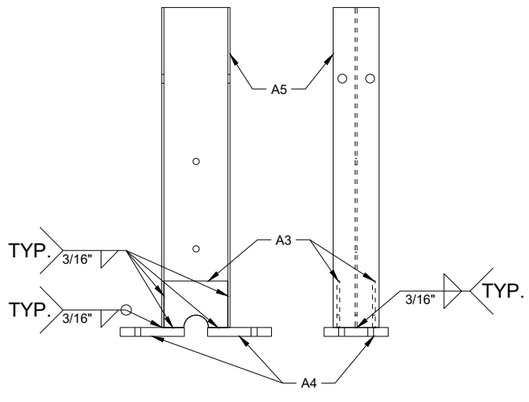


FRONT VIEW SIDE VIEW

TYPE 2 POST (A5)

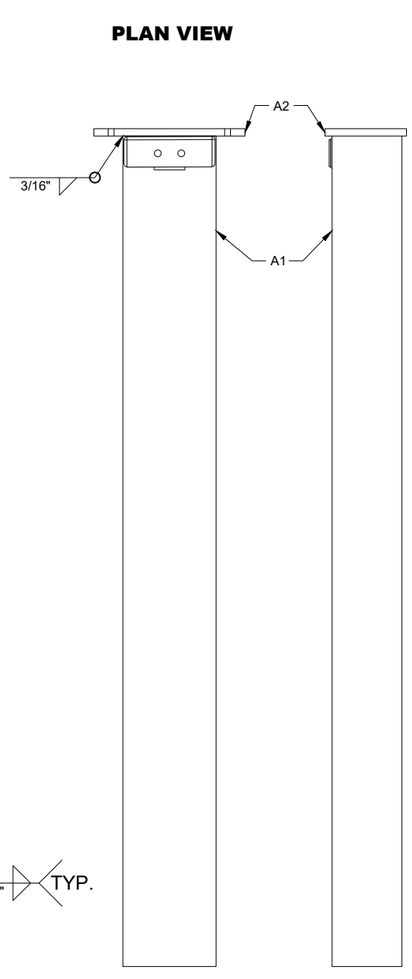


PLAN VIEW



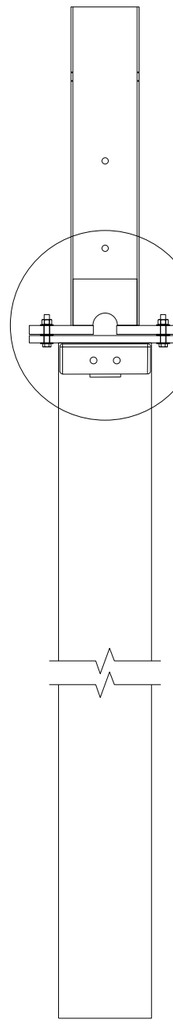
SIDE VIEW FRONT VIEW

UPPER POST ASSEMBLY

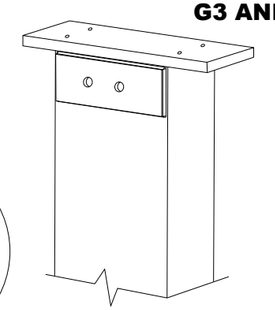


FRONT VIEW SIDE VIEW

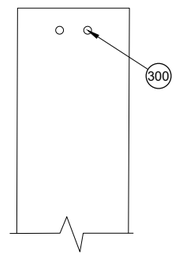
LOWER POST ASSEMBLY



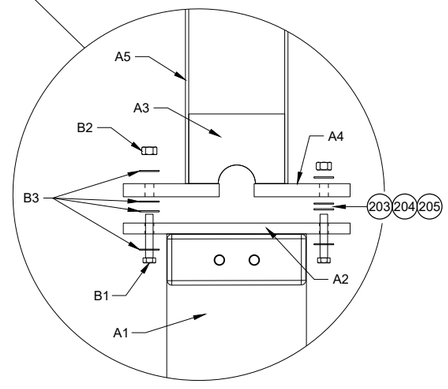
ASSEMBLED POST



ASSEMBLY DETAIL
ISOMETRIC



A1



POST CONNECTION DETAIL

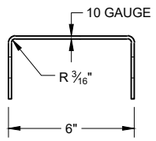
MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

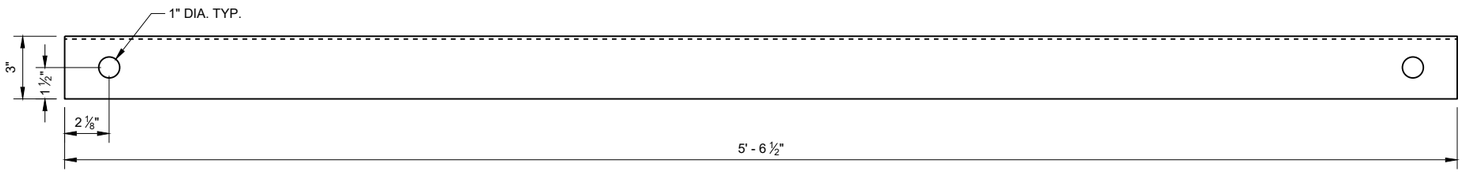
6

SDD14B47 - 05c

SDD14B47 - 05c

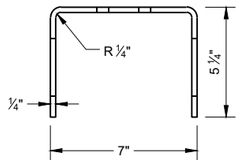


SIDE VIEW

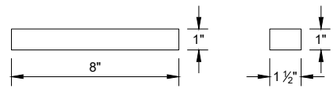


FRONT VIEW

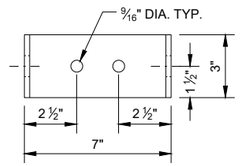
GROUND STRUT CHANNEL (G1)



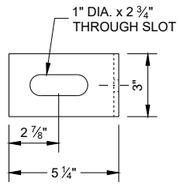
TOP VIEW



BEARING PLATE FLANGE (L2)

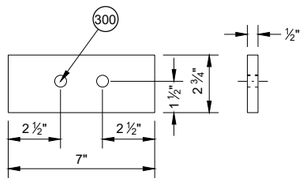


FRONT VIEW

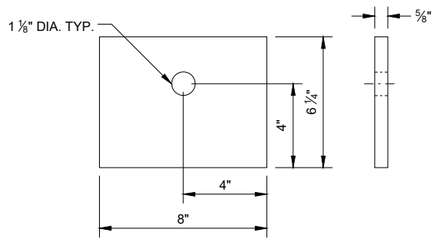


SIDE VIEW

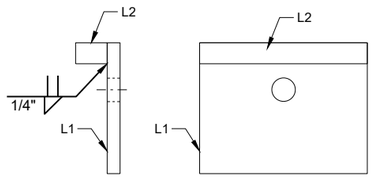
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)

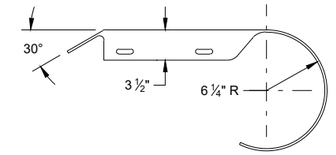


BEARING PLATE (L1)

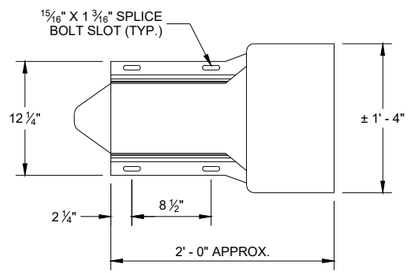


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

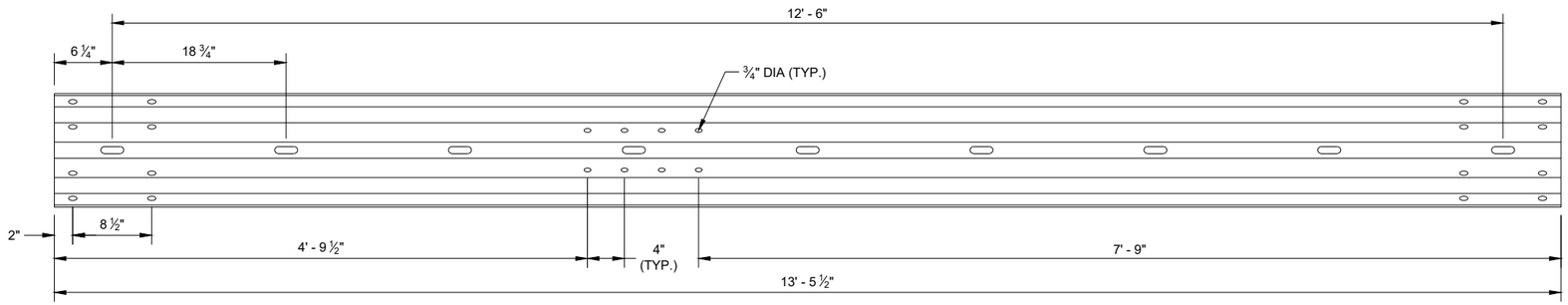


PLAN VIEW

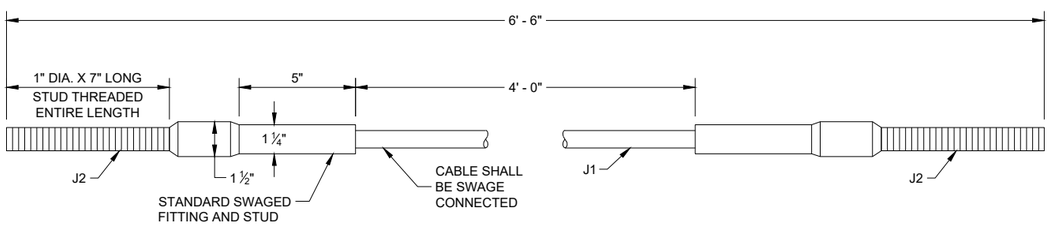


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)



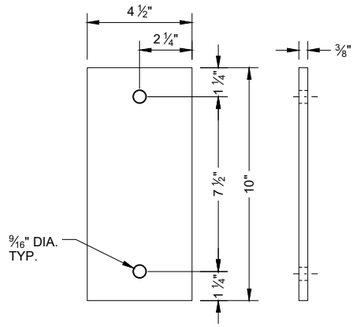
CABLE ASSEMBLY

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

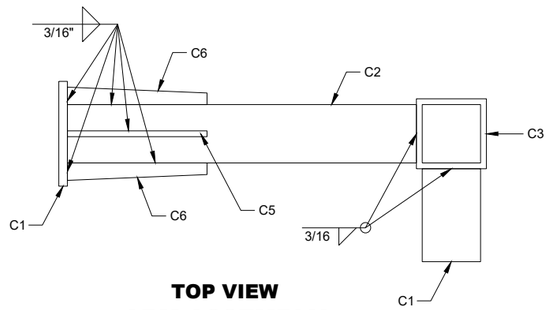
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

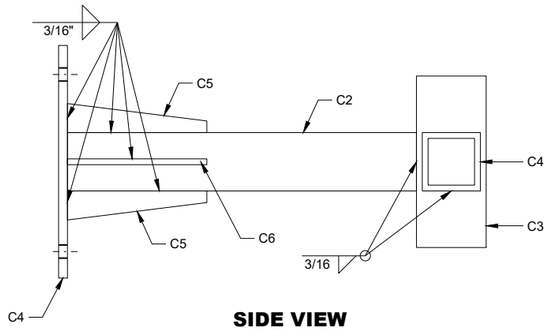
SDD 14B47 - 05d



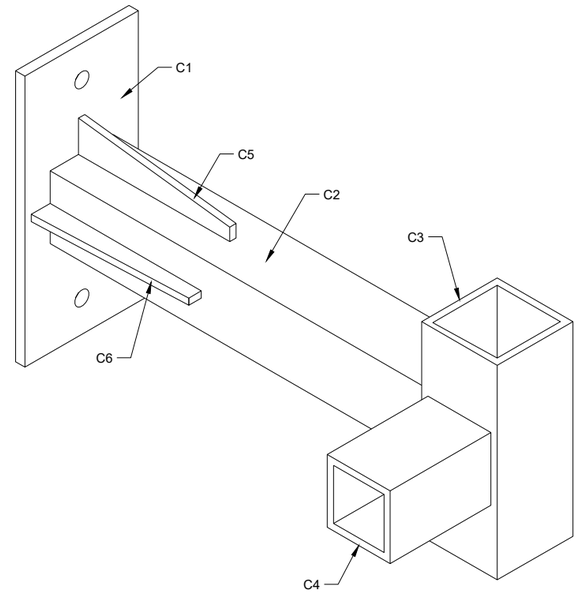
ARM PLATE (C1)



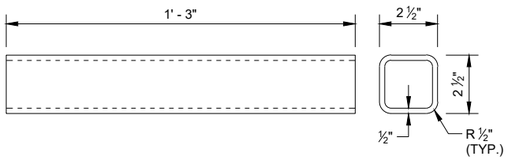
TOP VIEW
ARM ASSEMBLY



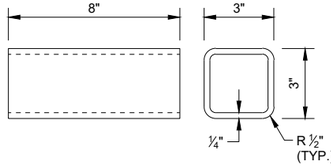
SIDE VIEW
ARM ASSEMBLY



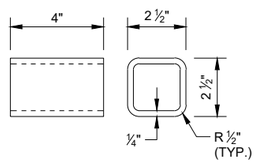
ISOMETRIC VIEW
ARM ASSEMBLY



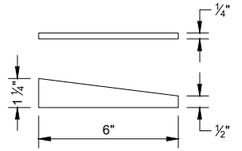
ARM TUBE 1 (C2)



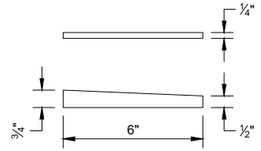
ARM TUBE 2 (C3)



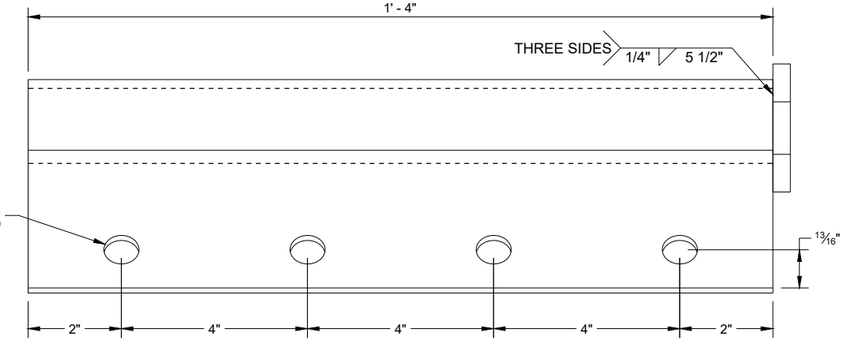
ARM TUBE 3 (C4)

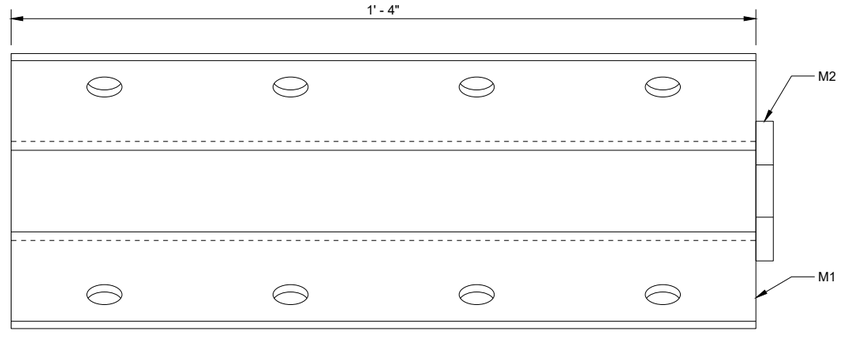


ARM GUSSET PLATE 1 (C5)

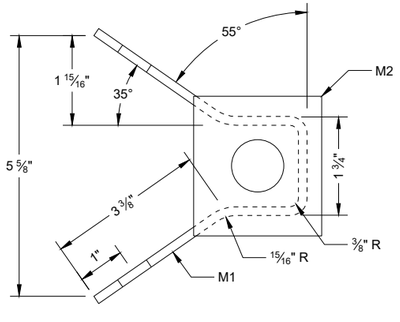


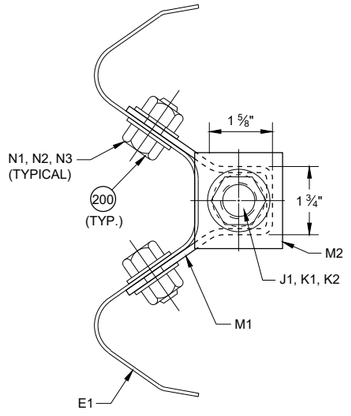
ARM GUSSET PLATE 2 (C6)

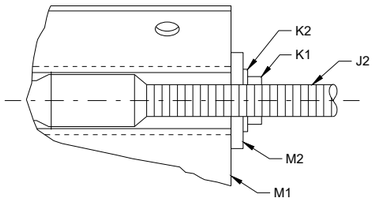




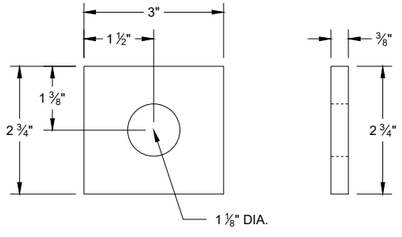
ANCHOR BRACKET (M1, M2)







SECTION A - A



ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B47 - 05e

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	TYPE 2 FOUNDATION TUBE	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
A2	LOWER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
A3	POST GUSSET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
A4	UPPER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/4" THICKNESS
A5	TYPE 2 POST	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI, w6x9 or w6x8.5	
B1	BREAKAWAY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED . PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	7/16" DIA.
B2	BREAKAWAY BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/16" DIA.
B3	BREAKAWAY BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
C1	ARM ASSEMBLY PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
C2	ARM ASSEMBLY TUBE 1	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
C3	ARM ASSEMBLY TUBE 2	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 3" x 3" x 1/4"
C4	ARM ASSEMBLY TUBE 3	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 2 1/2" x 2 1/2" X 1/4"
C5	ARM ASSEMBLY GUSSET PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
C6	ARM ASSEMBLY GUSSET PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
D1	ARM ASSEMBLY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	1/2" DIA.
D2	ARM ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	1/2" DIA.
D3	ARM ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
E1	TYPE 2 GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E2	BEAM GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E3	BEAM GUARD ROUNDED BUFFER END	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
F1	POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
F2	POST BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
F3	POST BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
G1	GROUND STRUT CHANNEL	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" x 11 3/4" x 10 GAUGE
G2	GROUND STRUT CONNECTOR	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
G3	GROUND STRUT PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" THICKNESS

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	**3/4" DIA.**
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
L2	BEARING PLATE FLANGE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
M2	BEAM GUARD ANCHOR END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

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MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

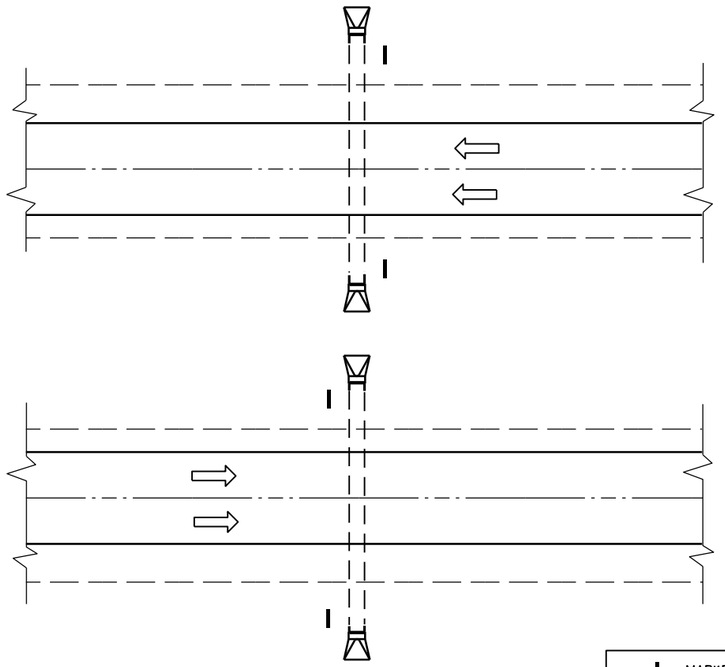
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

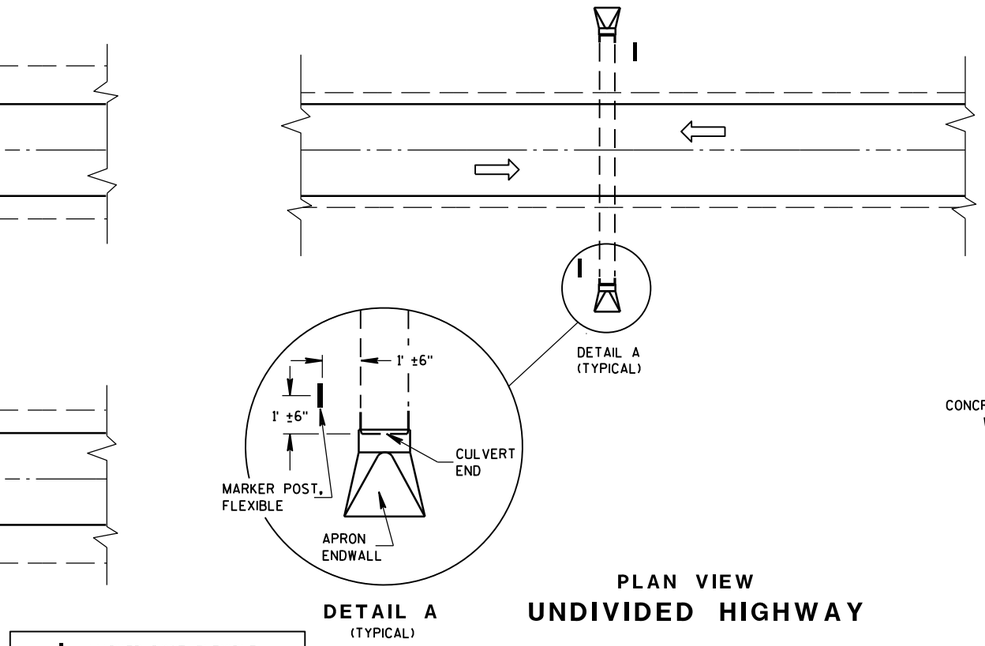
FHWA

SDD 14B47 - 05g



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

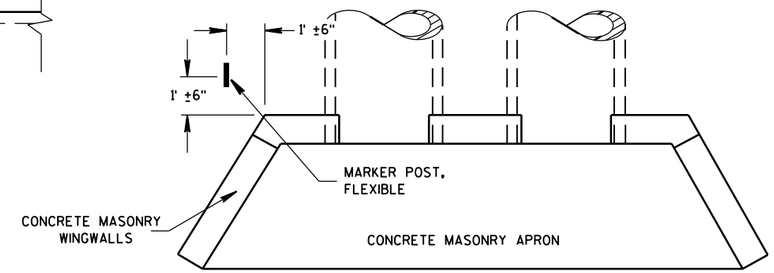
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

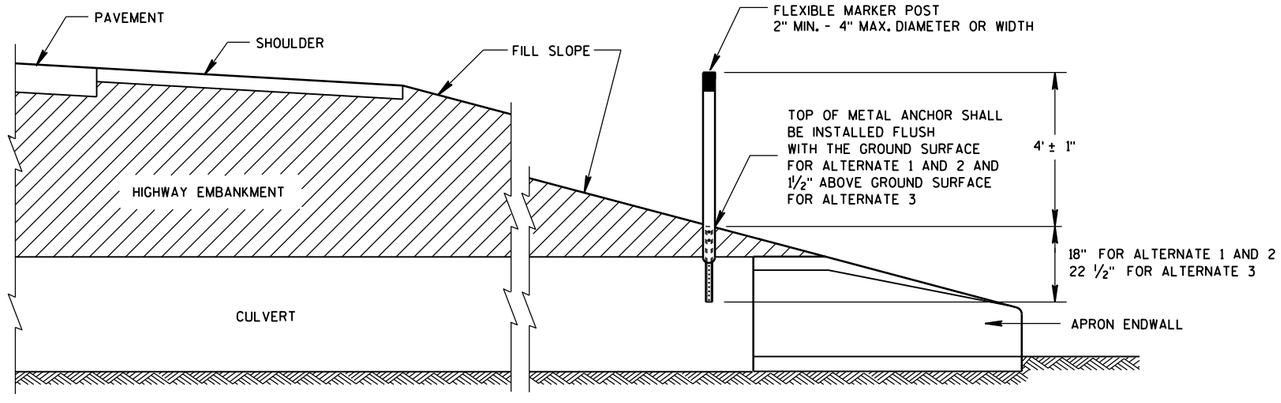
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

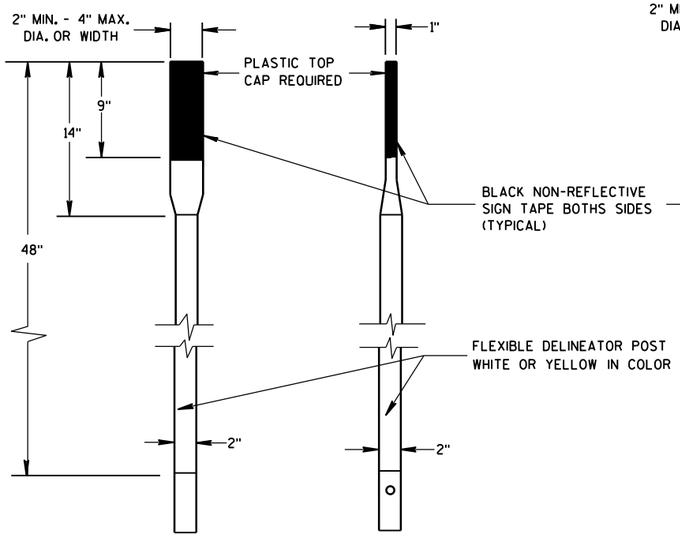
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

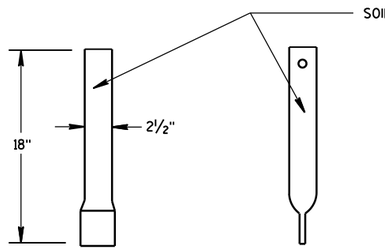
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S.D.D. 15 A 3-2a

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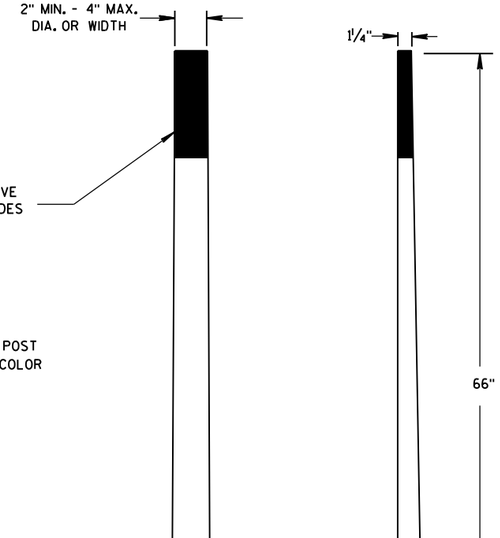
S.D.D. 15 A 3-2a





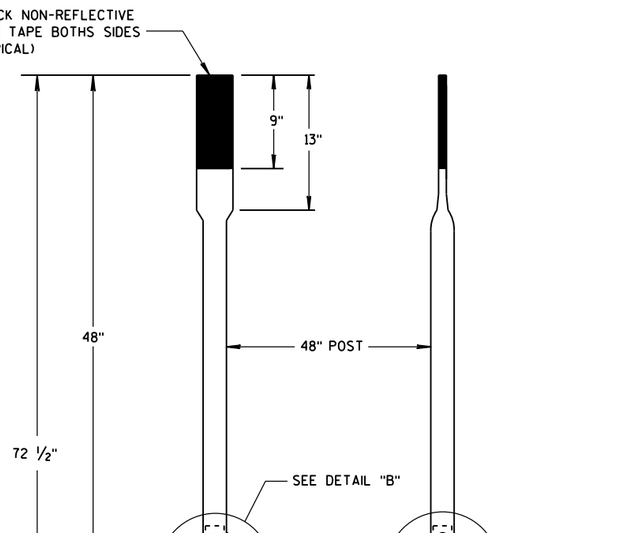
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

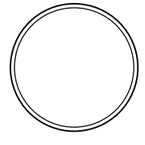
ALTERNATE 2



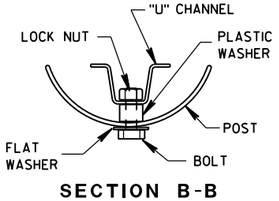
FRONT VIEW SIDE VIEW

ALTERNATE 3

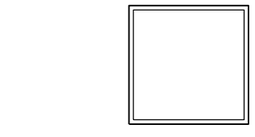
FLEXIBLE MARKER POSTS



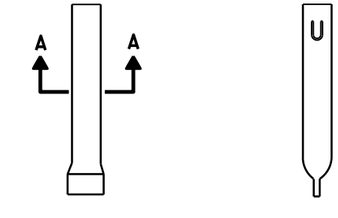
SECTION A-A



SECTION B-B

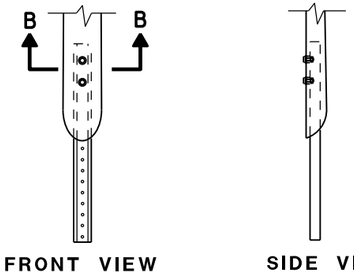


SECTION C-C



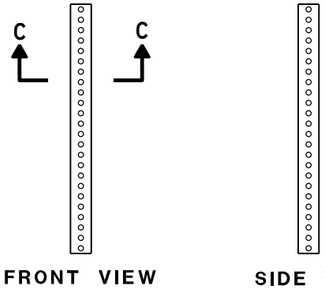
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

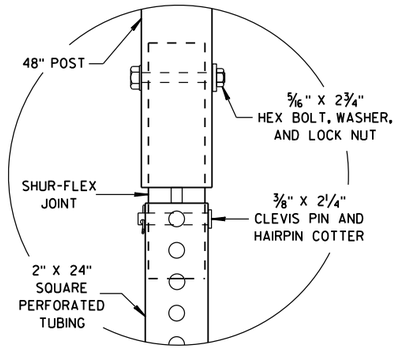
ALTERNATE 2



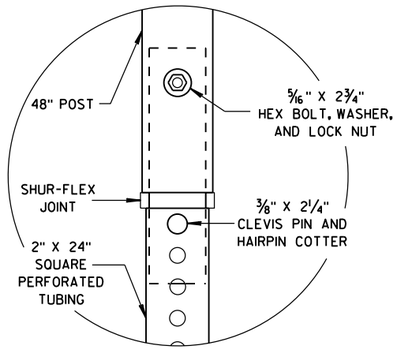
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

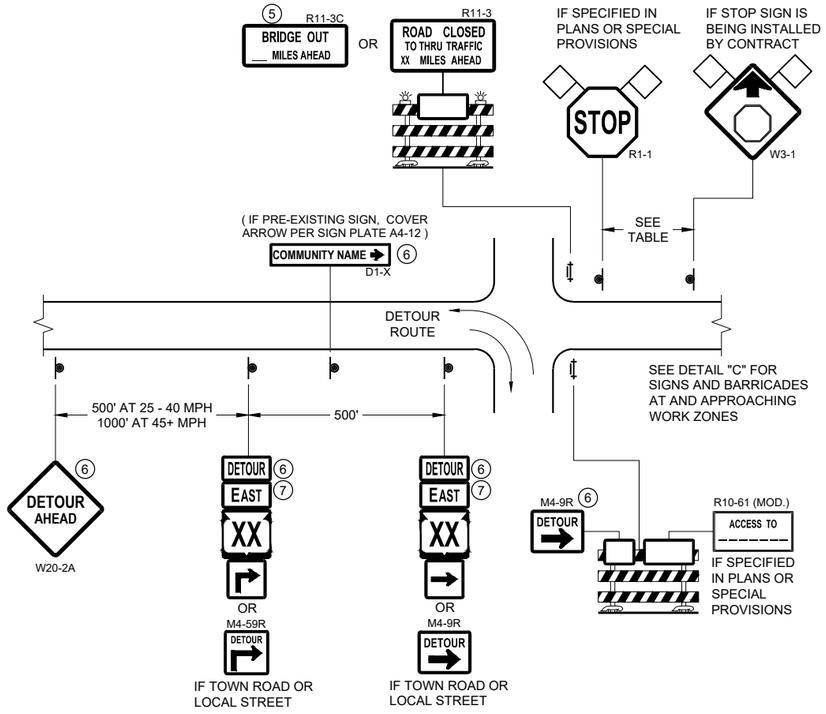
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

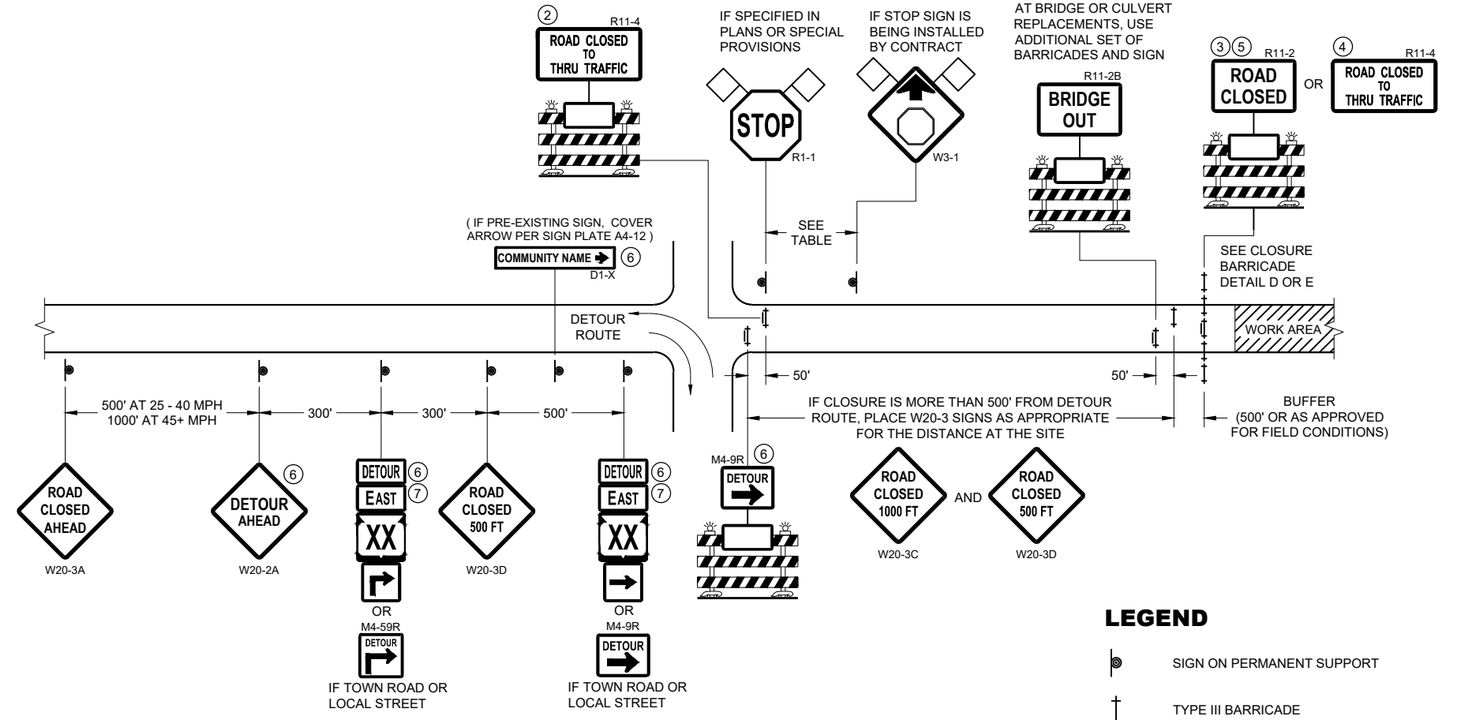
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S.D.D. 15 A 3-2b



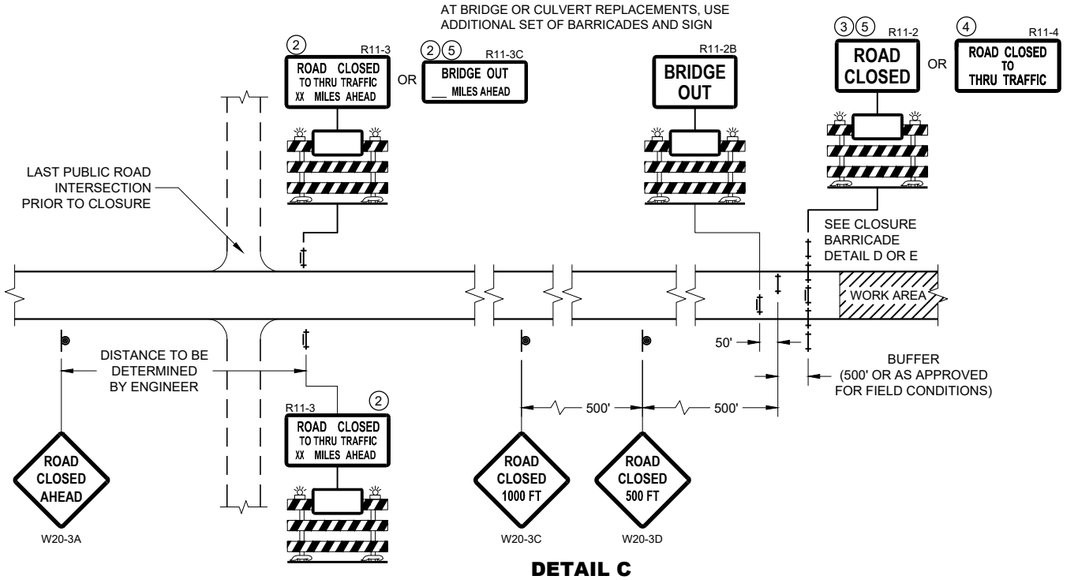
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

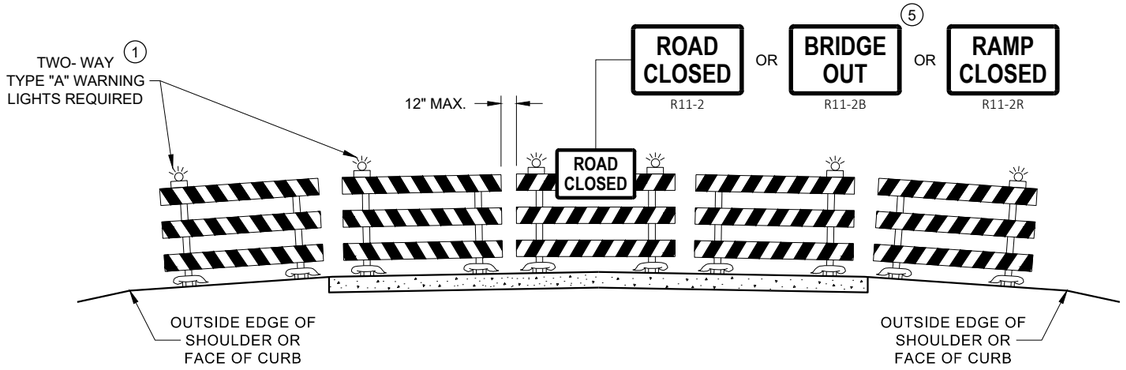
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

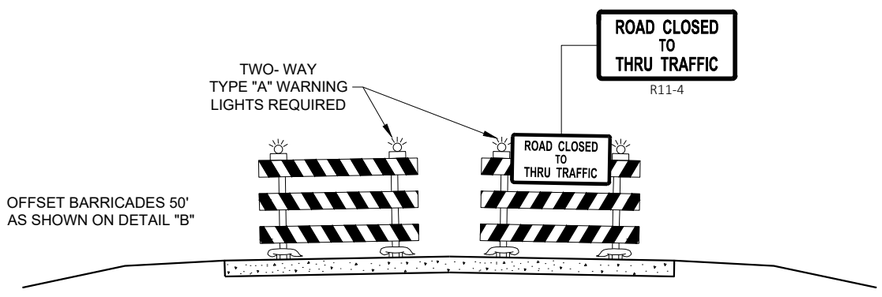
FHWA

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SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

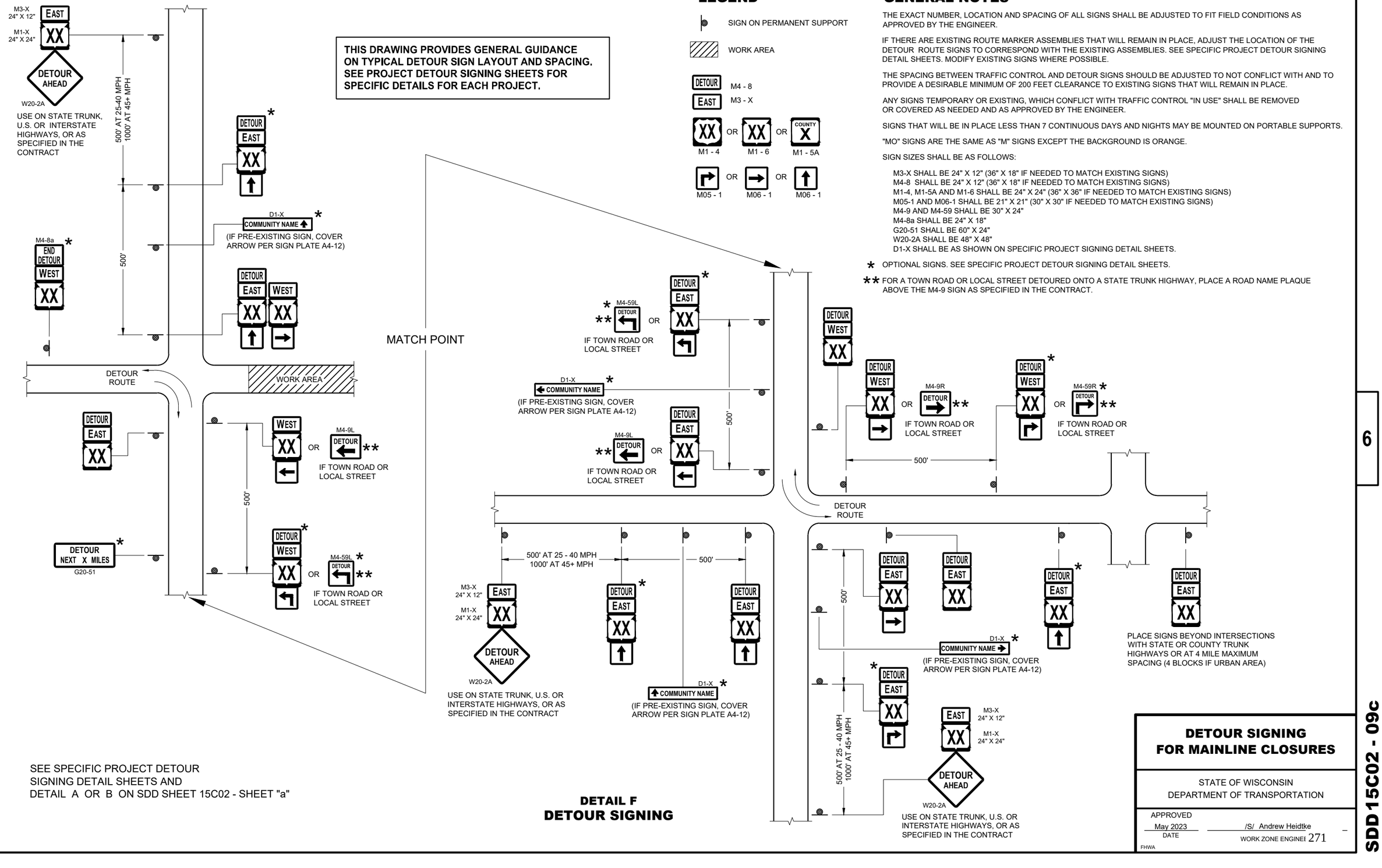
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

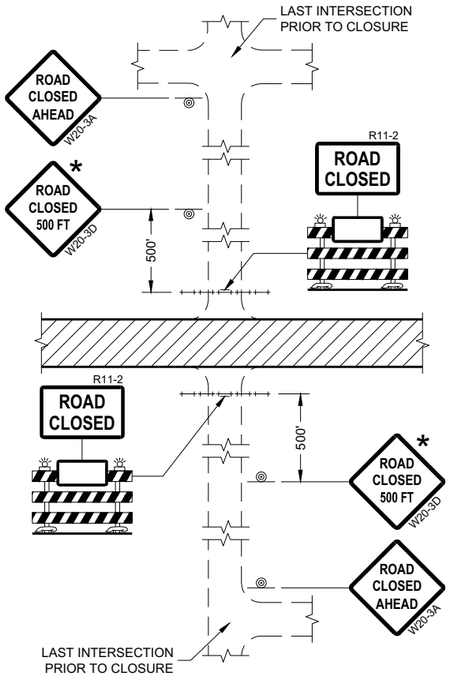
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

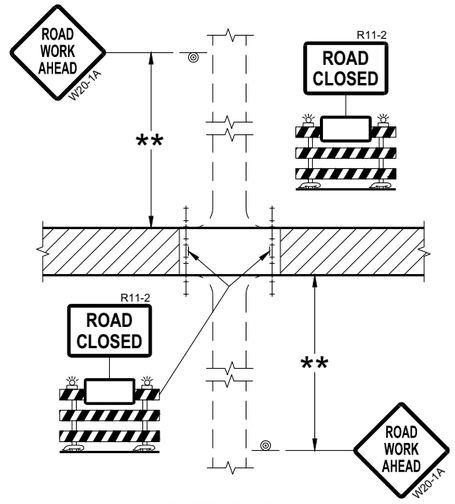
FHWA

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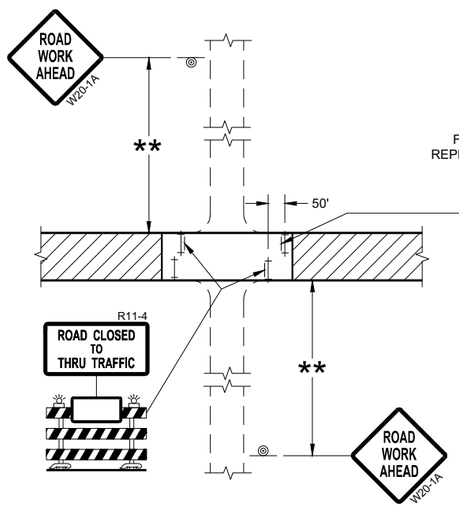
SDD 15C02 - 09c



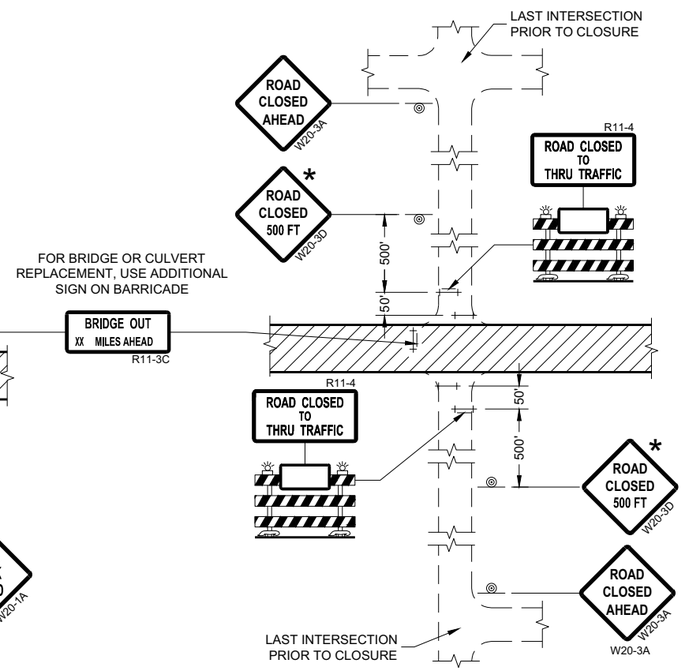
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

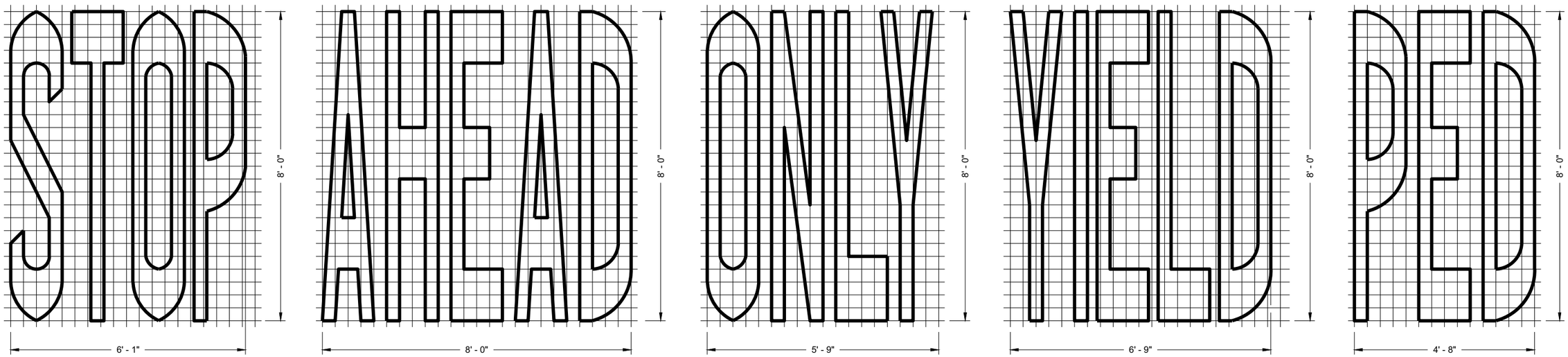
FHWA

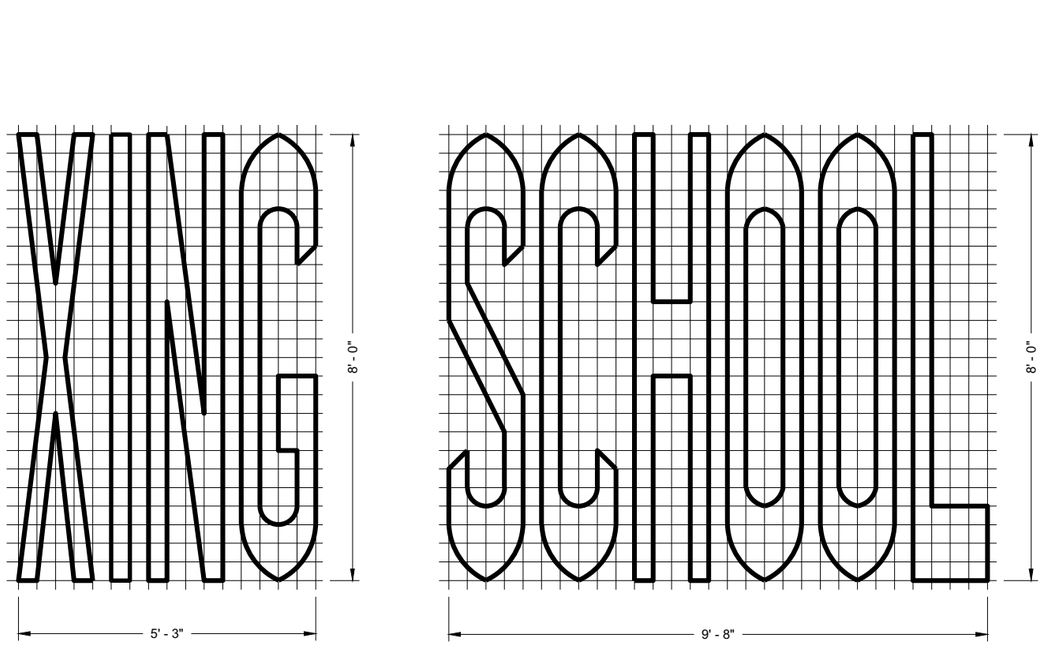
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SDD 15C03 - 05

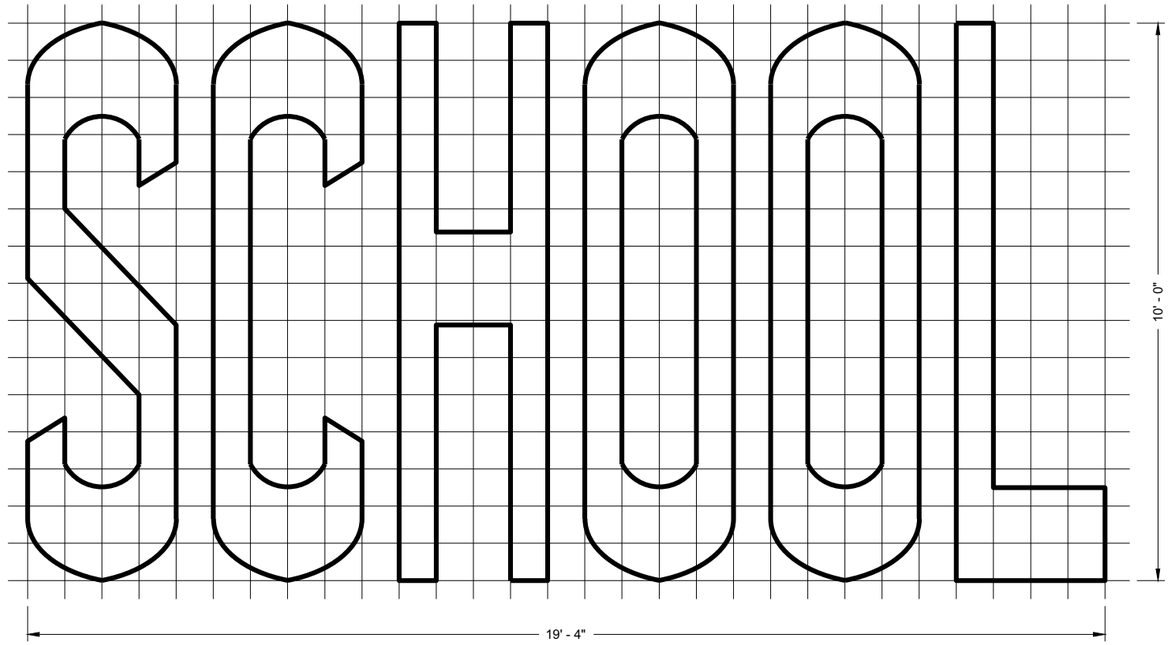
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SDD 15C03 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

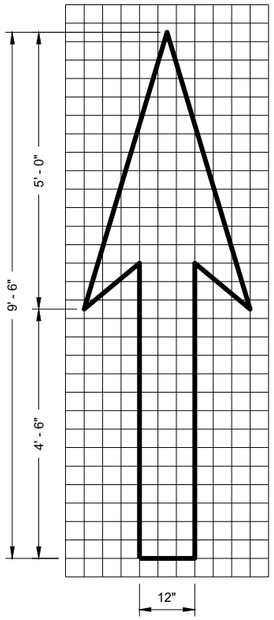
SDD 15C07 - 15b

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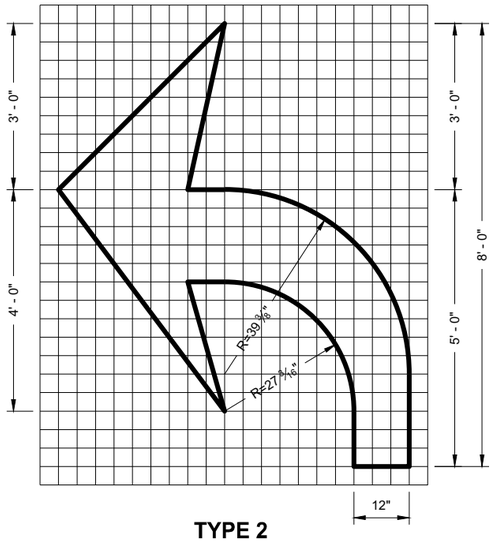
SDD 15C07 - 15b

GENERAL NOTES

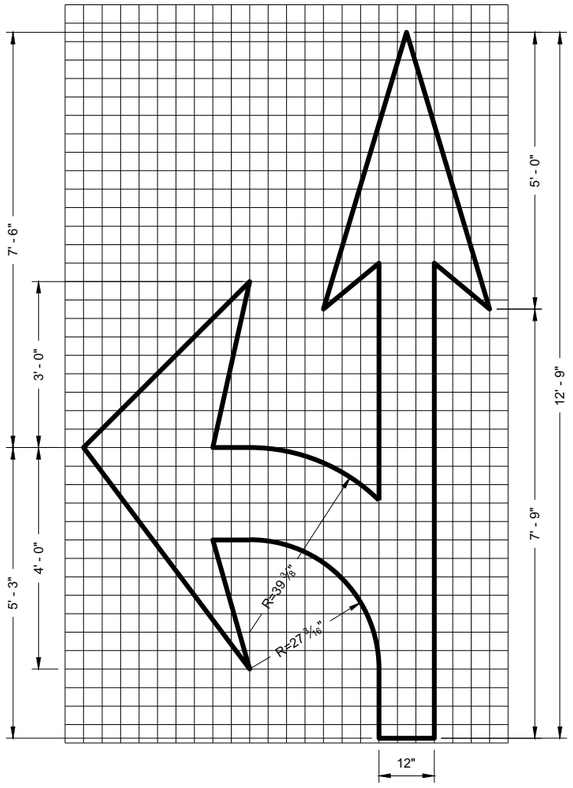
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



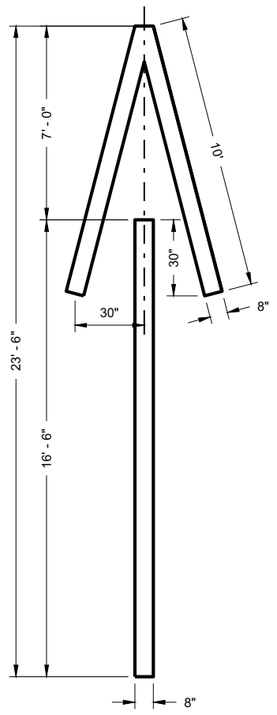
TYPE 1



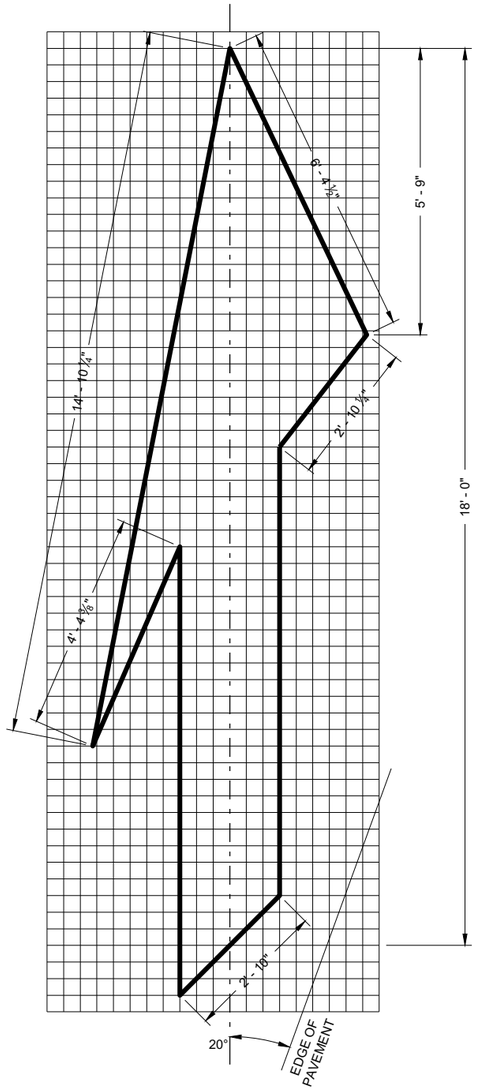
TYPE 2



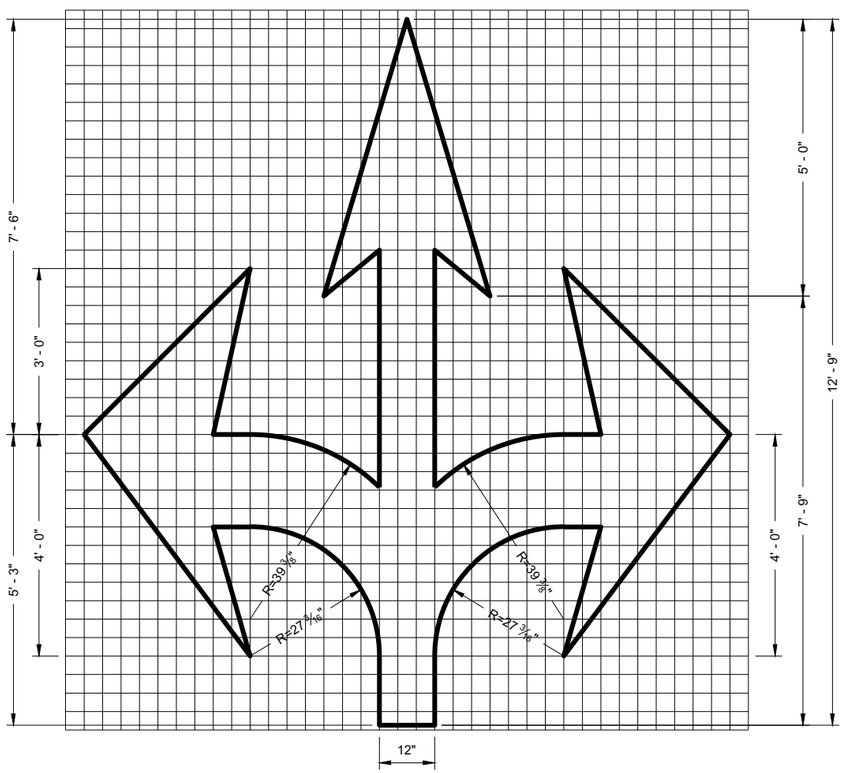
TYPE 3



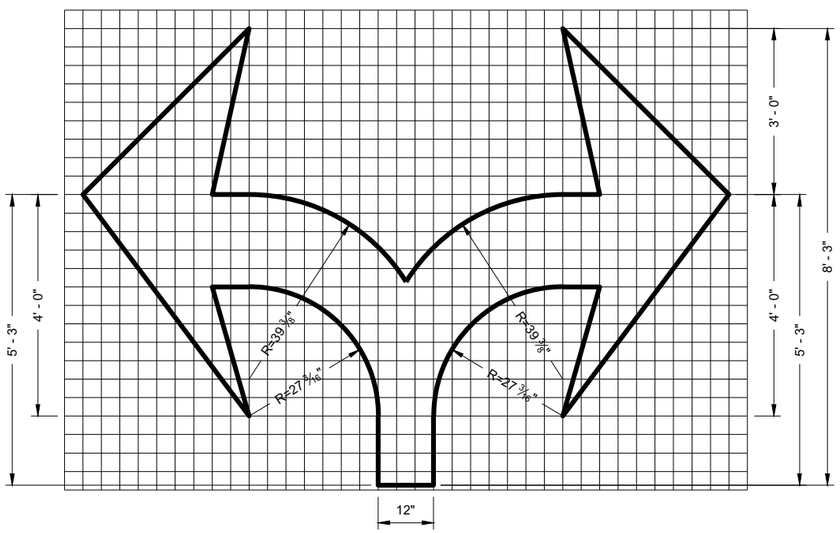
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C07 - 15c

6

SDD 15C07 - 15c

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

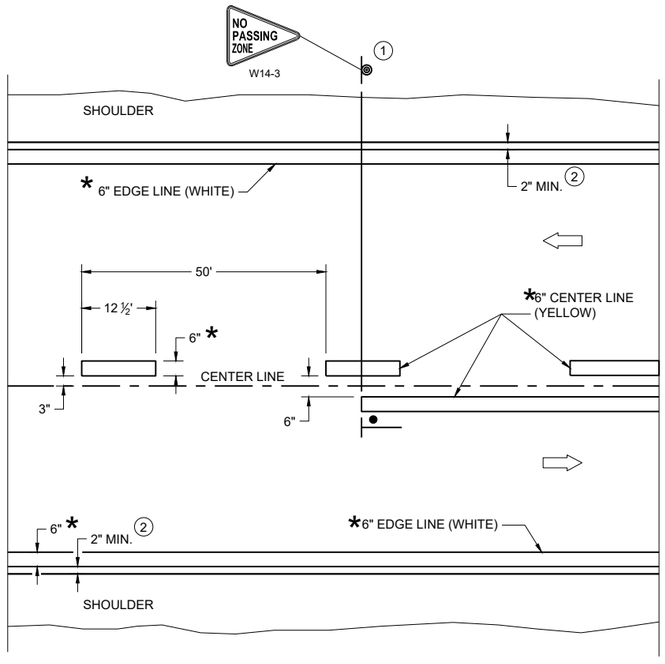
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

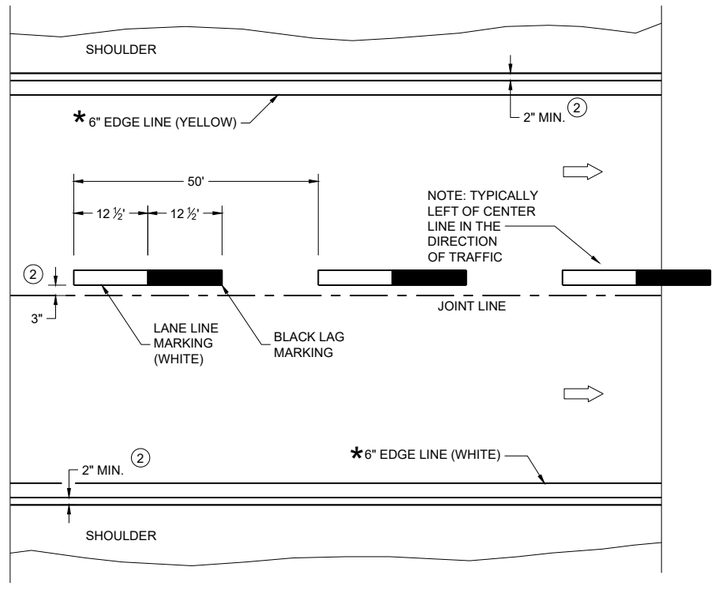
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

SDD 15C08-23a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

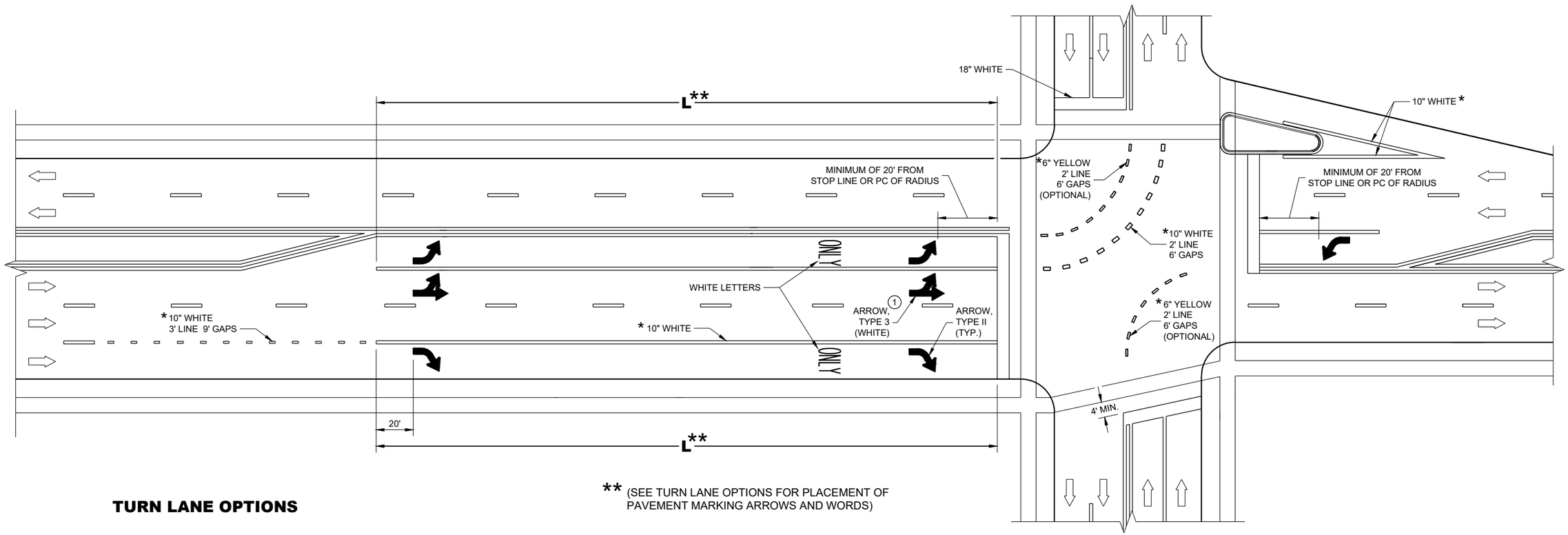
May 2023
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

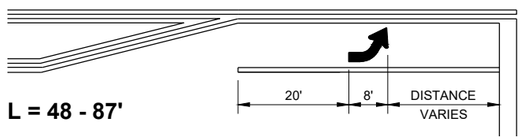
SDD 15C08-23a



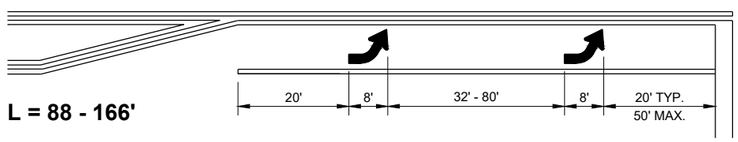
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

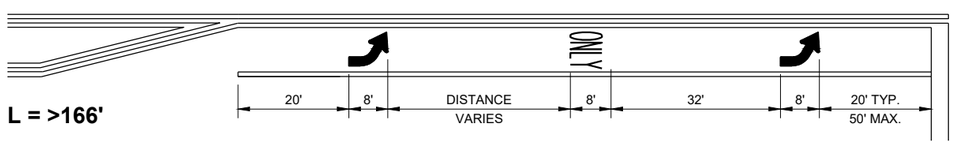
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

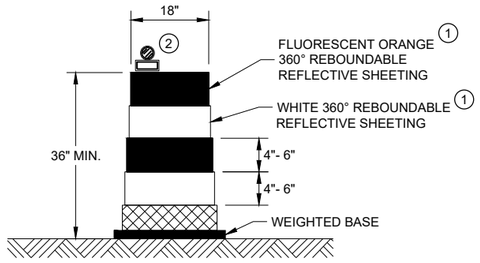
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SDD 15C08-23d

SDD 15C08-23d

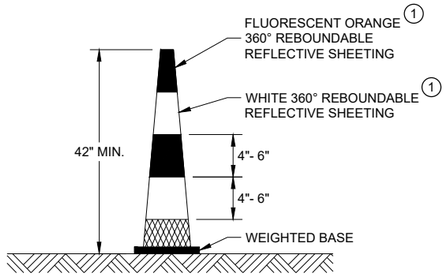
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

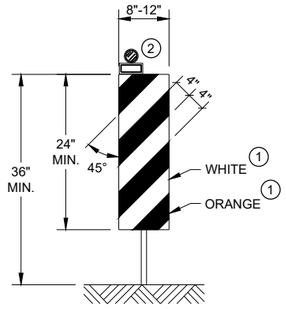
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

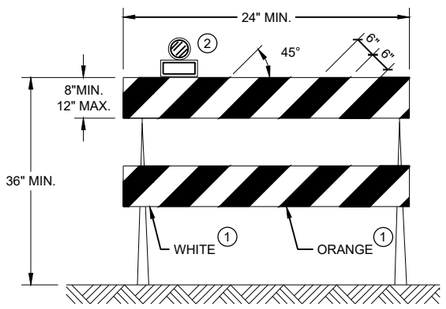
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



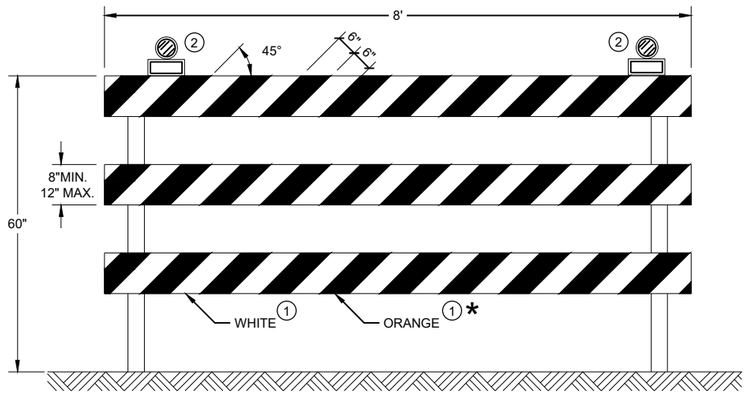
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

277

FHWA

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SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

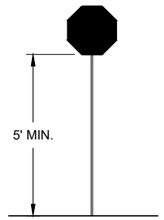
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

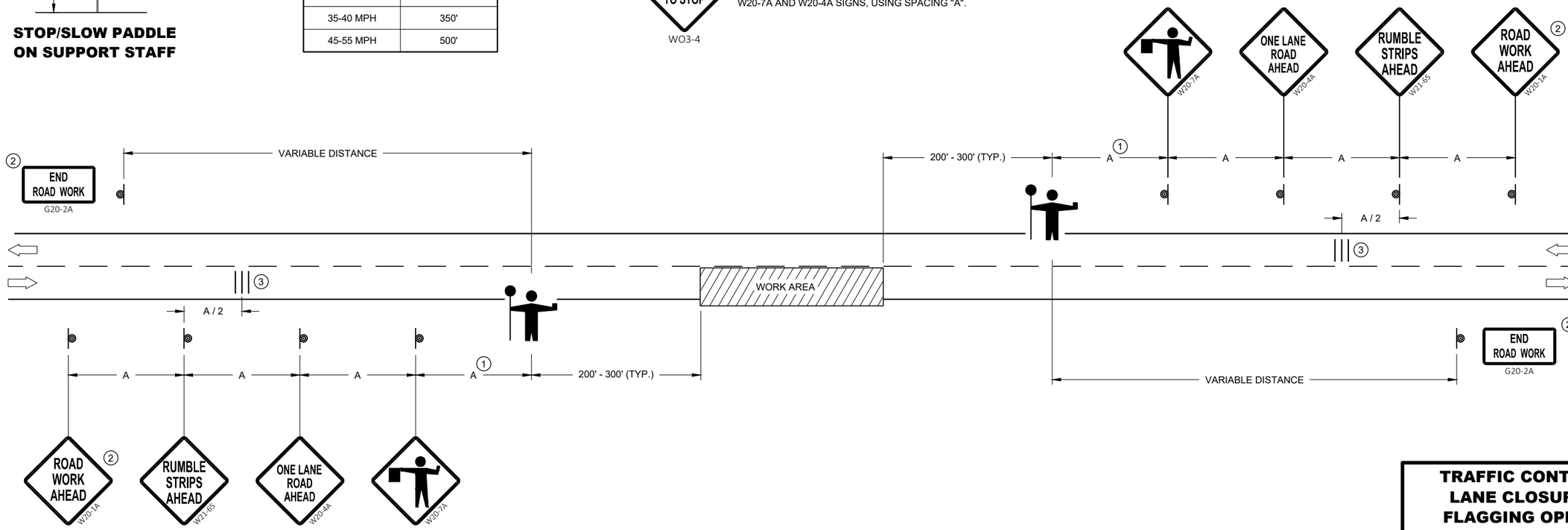
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

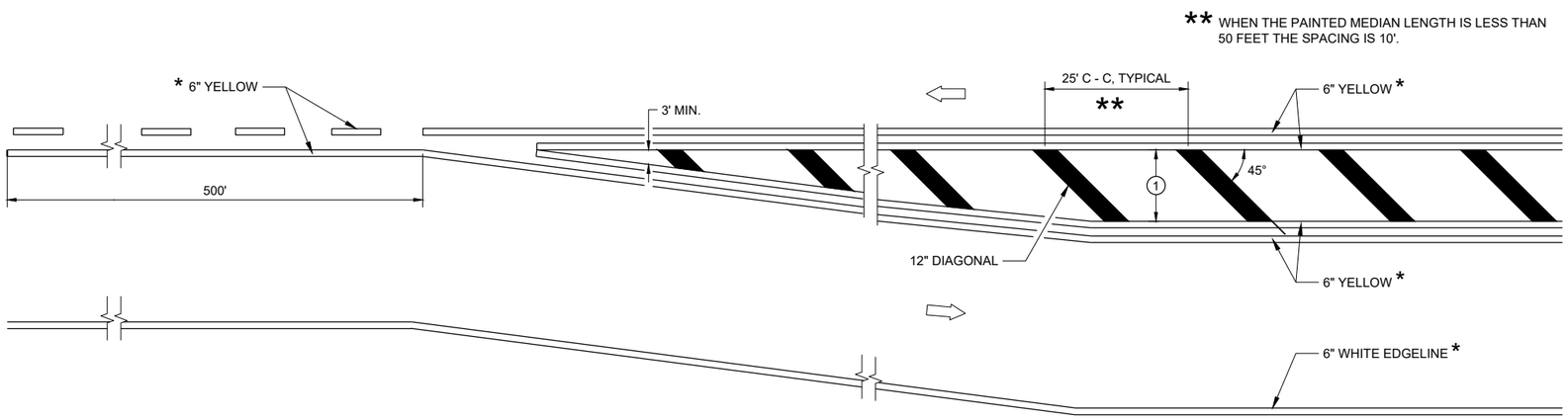
FHWA

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SDD 15C12 - 09a

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SDD 15C12 - 09a



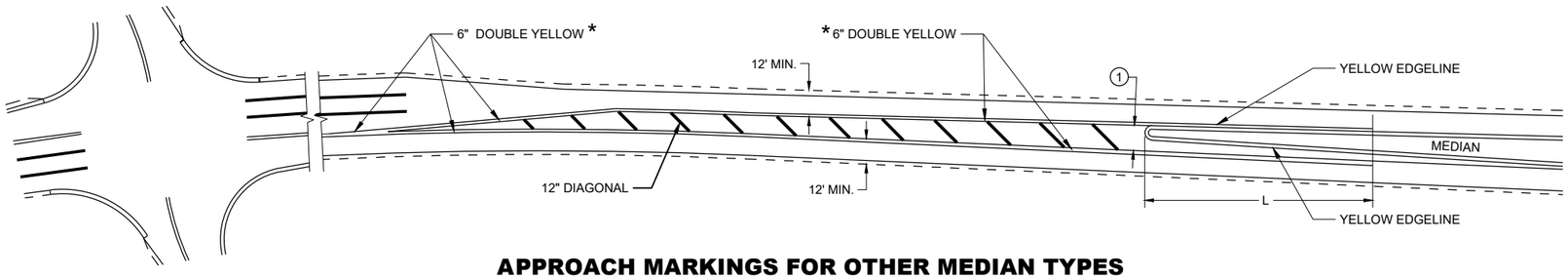
MEDIAN ISLAND DETAIL

GENERAL NOTES

1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

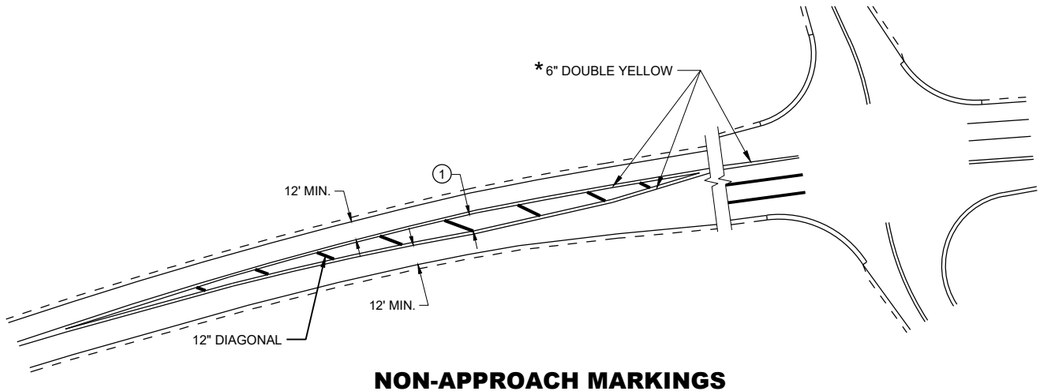
DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

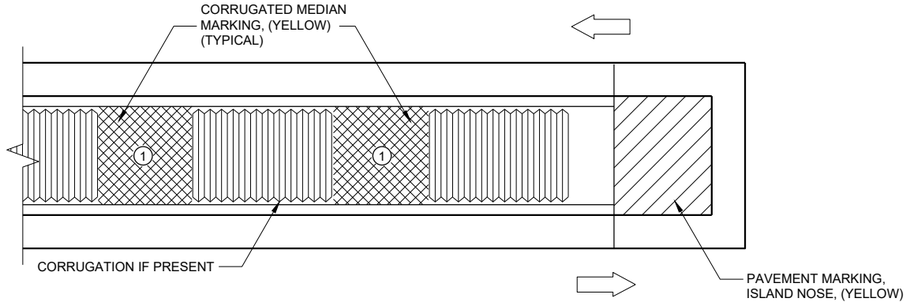
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

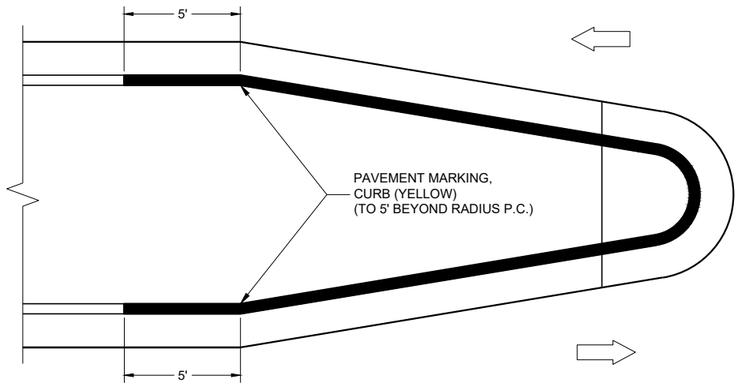
FHWA

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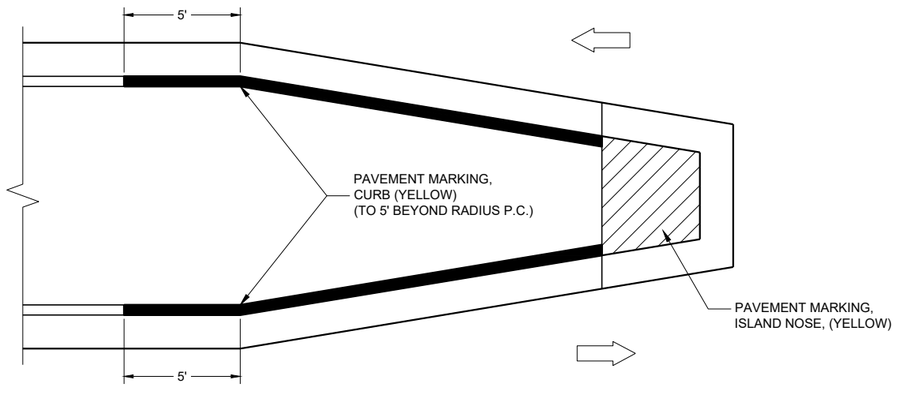
SDD 15C18-08a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 15C18-08b

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

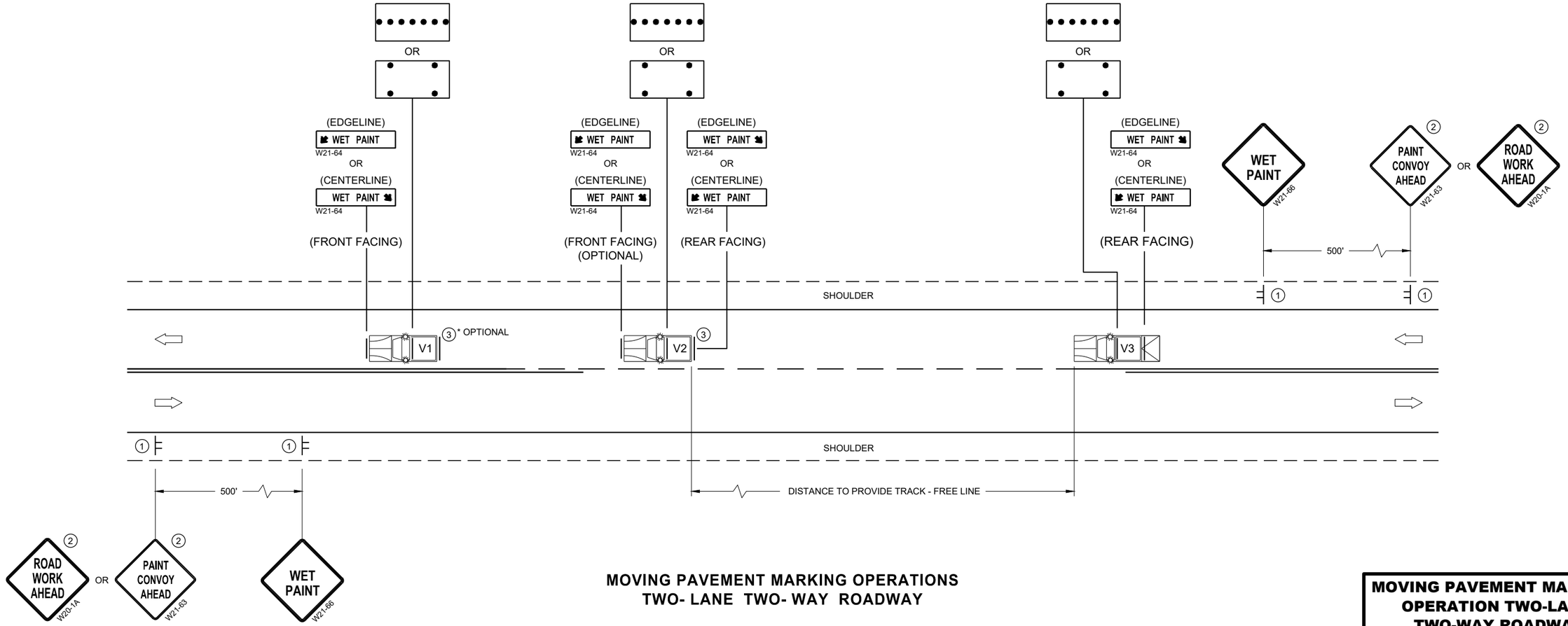
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew I...
WORK ZONE EN

FHWA

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SDD 15C19-08a

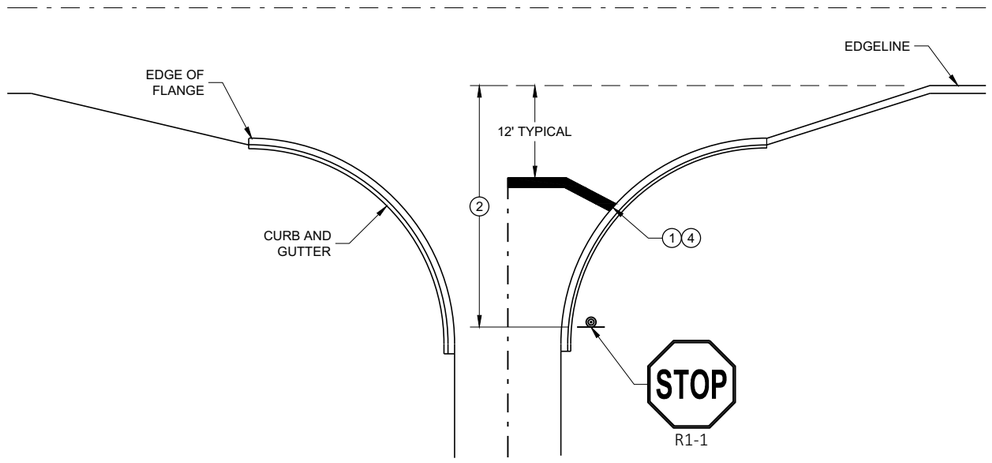
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SDD 15C19-08a

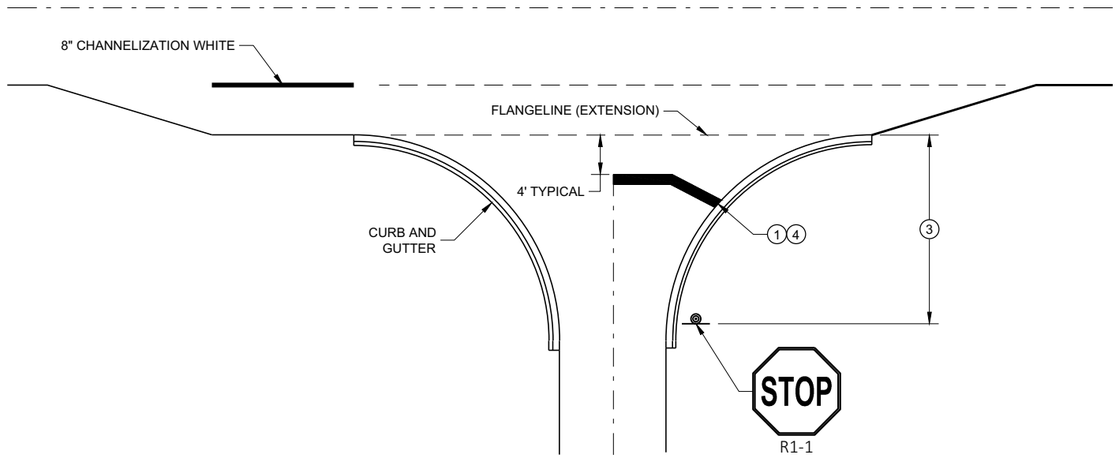
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

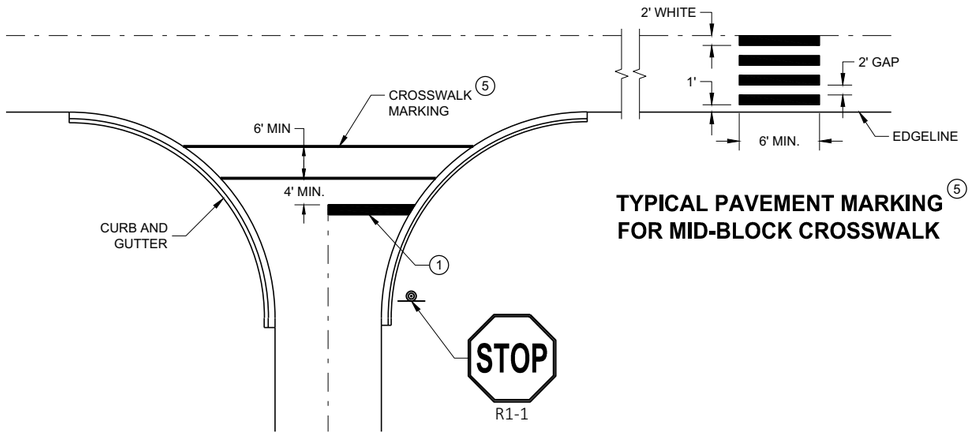
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

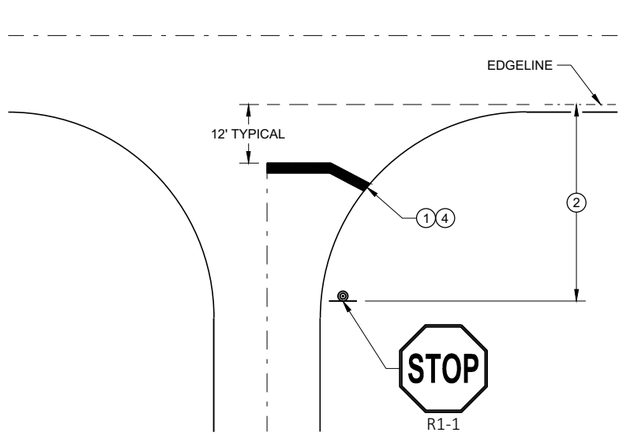


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

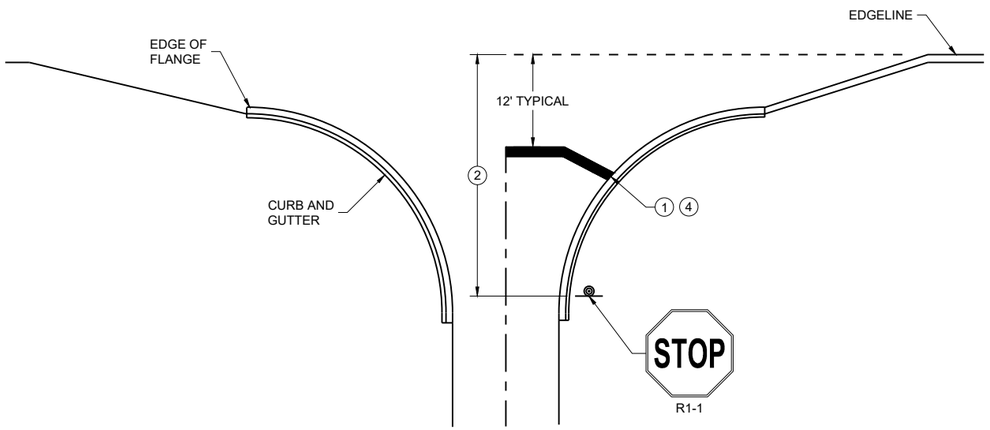
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SDD 15C33 - 04

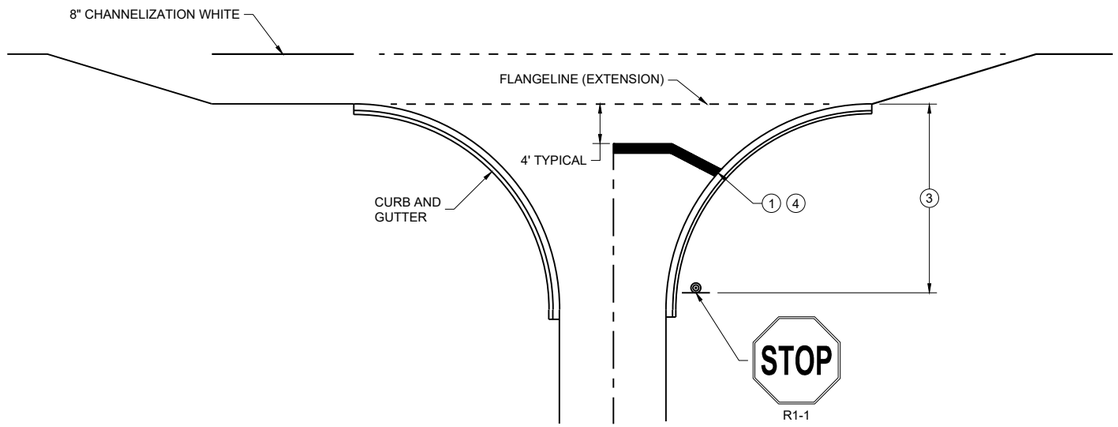
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

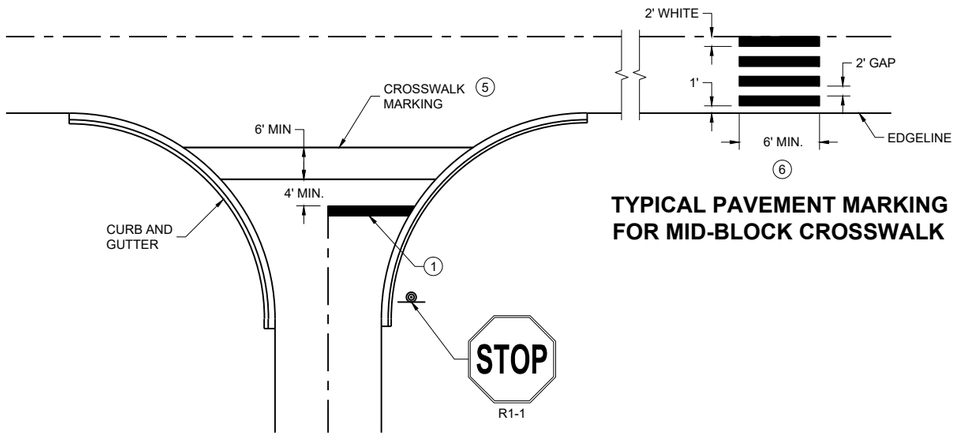
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
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3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

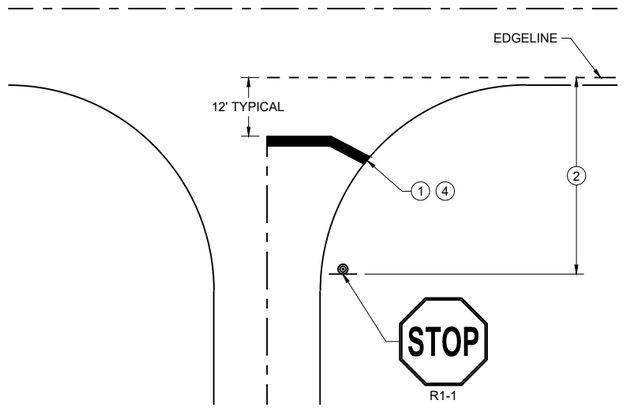


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

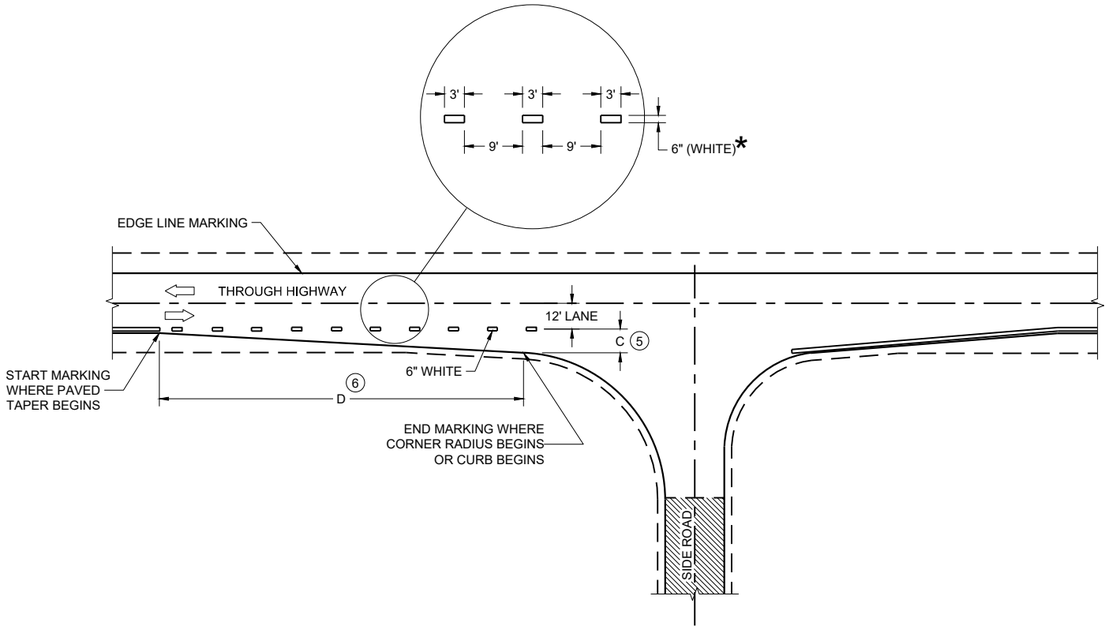
March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

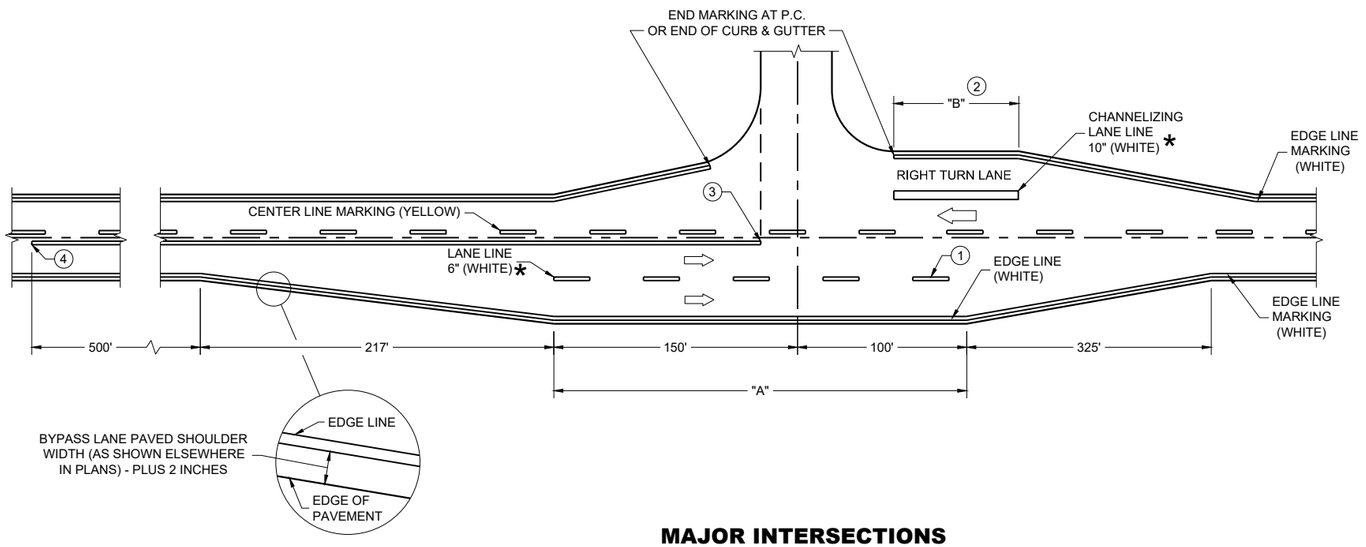
FHWA

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SDD 15C33-05



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

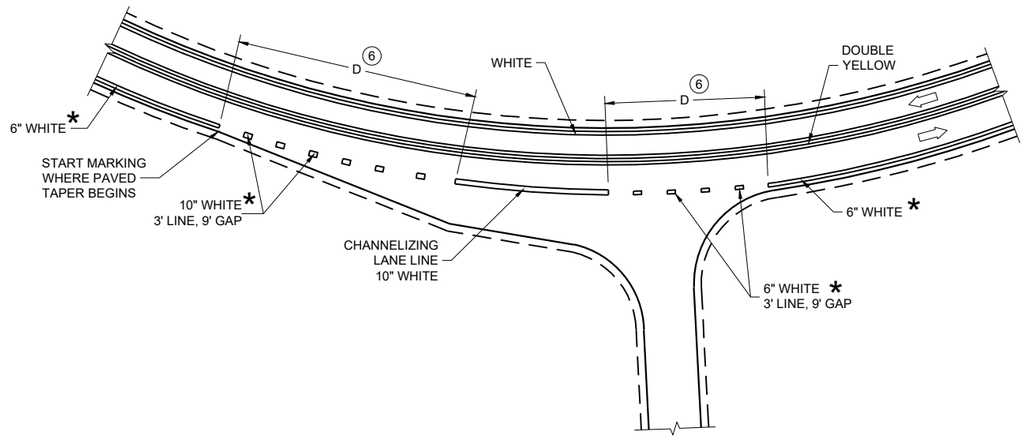
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

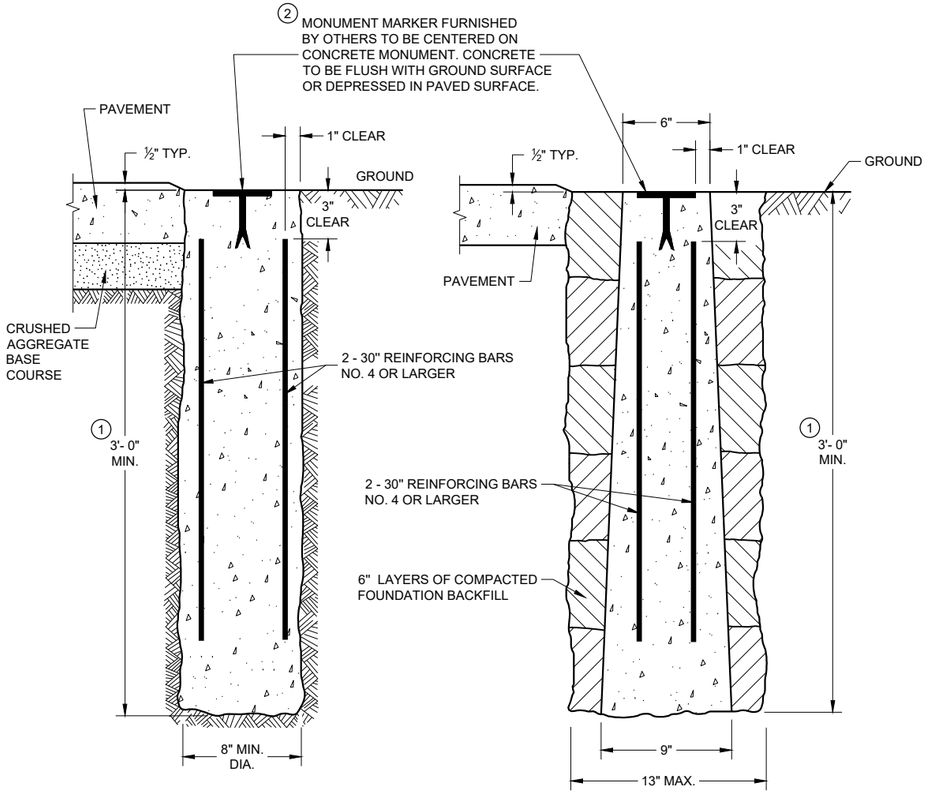
DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

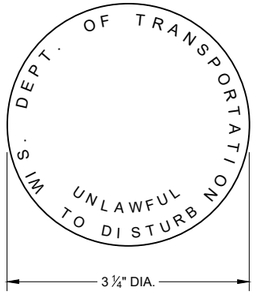
PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



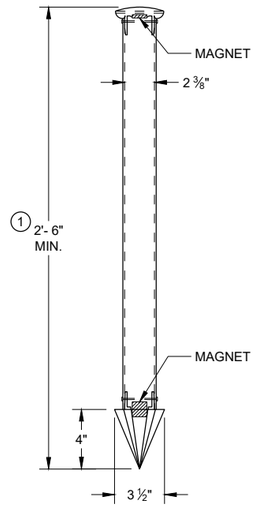
CAST-IN-PLACE **PRECAST**

CONCRETE MONUMENTS
TYPE A

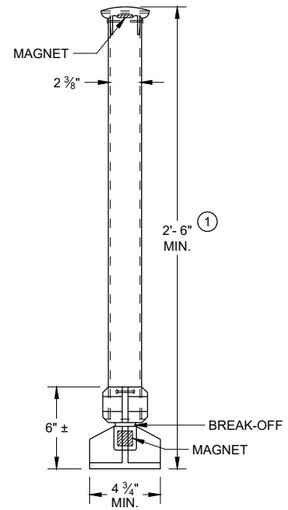


② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C" & "D"

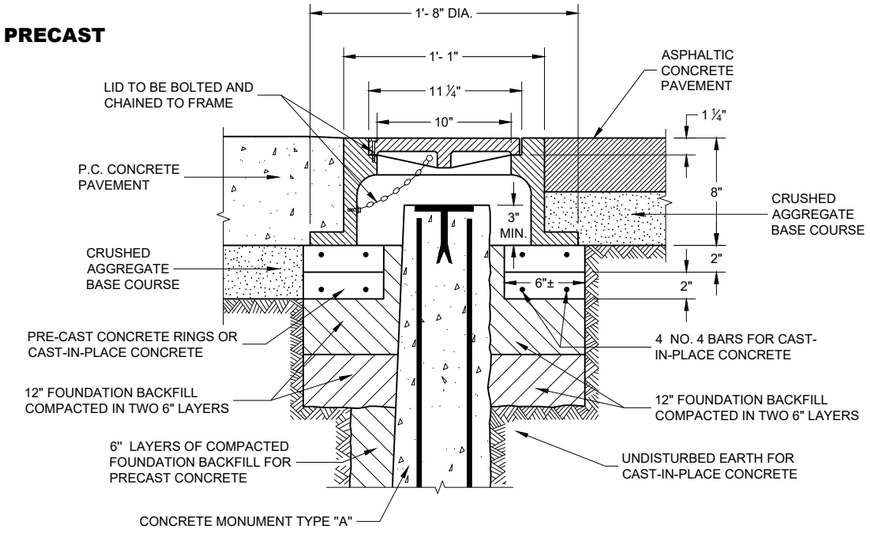


TYPE C
DRIVEN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS
(INCLUDES MARKER)



CAST IRON MONUMENT COVER
(APPROXIMATE WEIGHT 95 LBS)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

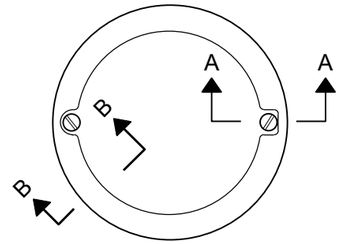
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

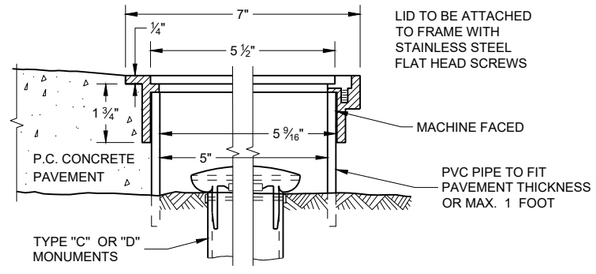
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WISDOT MARKER.



TOP VIEW



SECTION B-B **SECTION A-A**

ALUMINUM MONUMENT COVER
(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Raymond A. Kumapayii
CHIEF SURVEYING AND MA
ENGINEER

FHWA

6

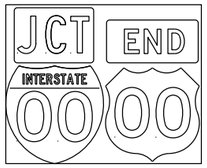
SDD 16A01 - 07

SDD 16A01 - 07

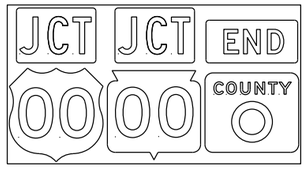
TYPICAL ASSEMBLIES



J1-1



J1-2



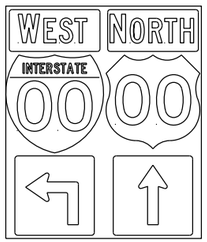
J1-3



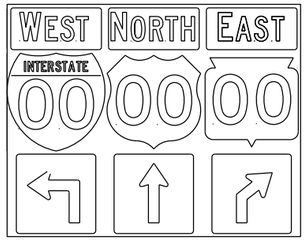
JR1-1



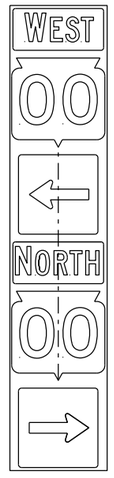
J2-1



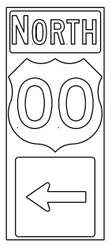
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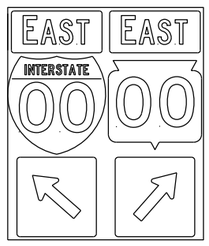
J2-3



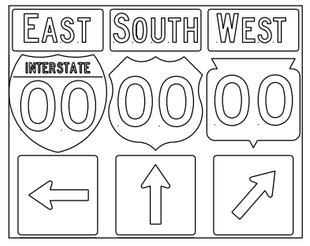
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



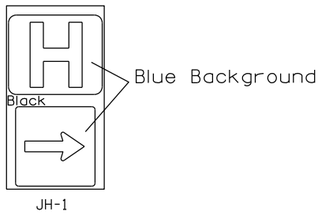
J3-1



J3-2



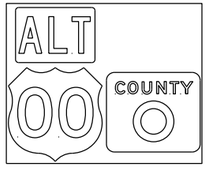
J3-3



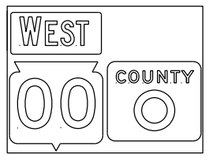
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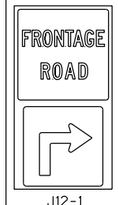
J4-1



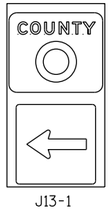
J4-2



J4-2



J12-1



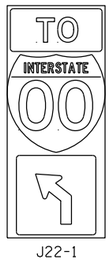
J13-1



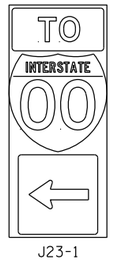
J32-1



J33-1



J22-1



J23-1



JR13-1



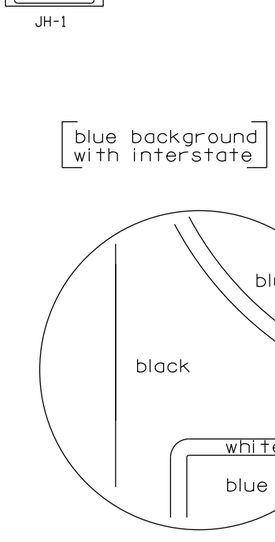
JR23-1

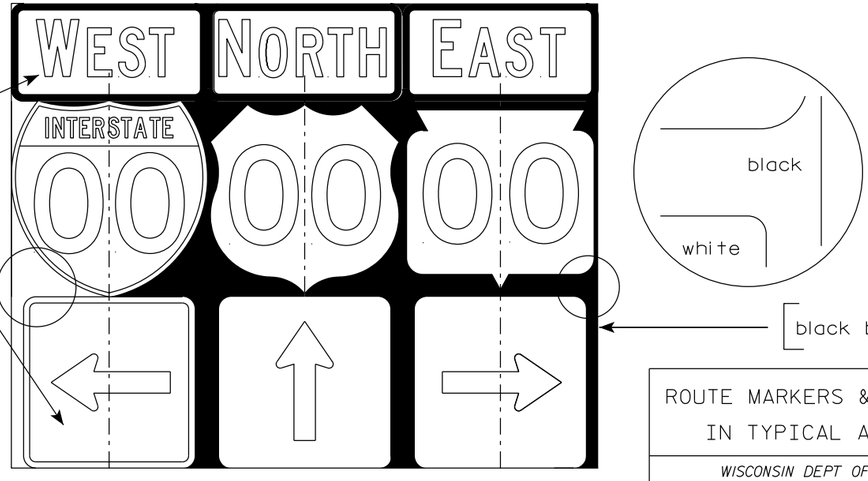


JR99-1

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.





ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

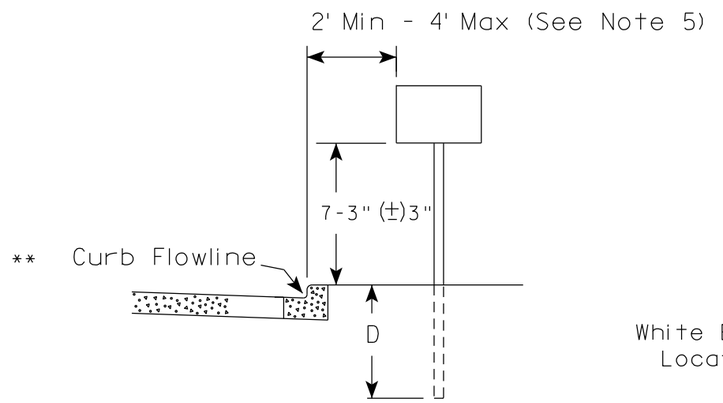
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

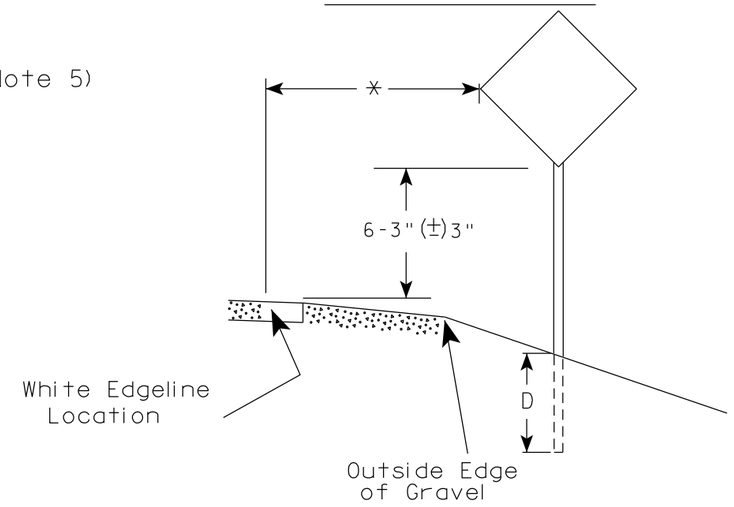
PROJECT NO:

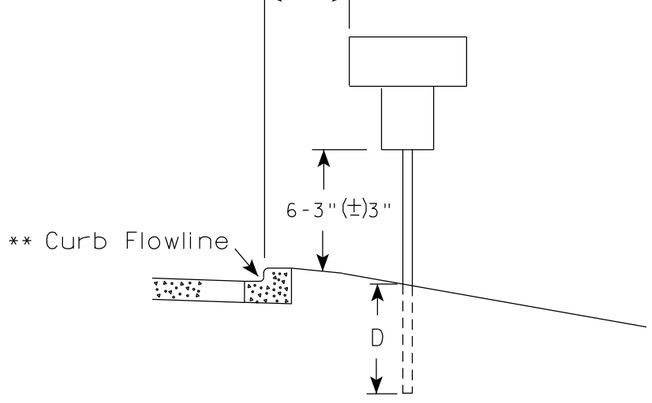
SHEET NO: 286 E

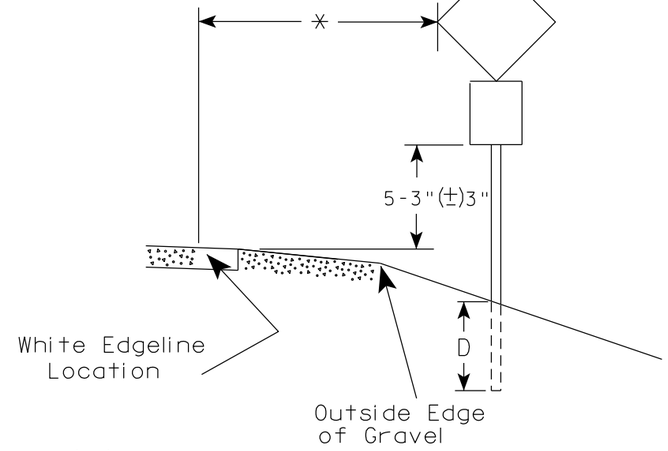
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

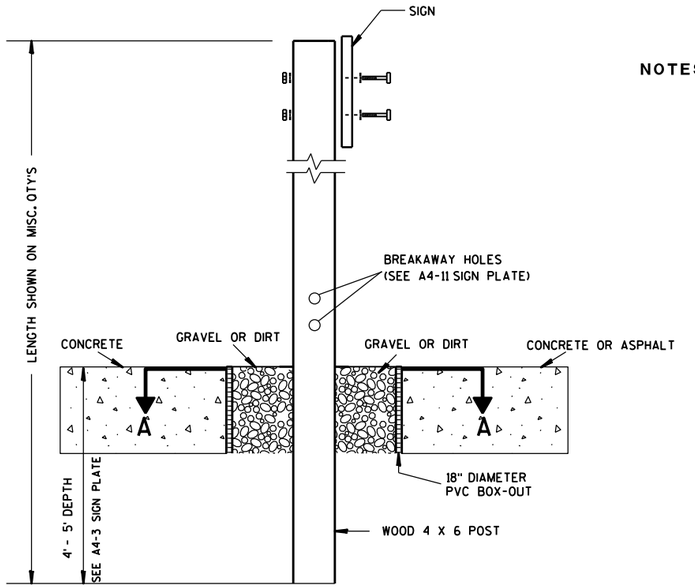
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

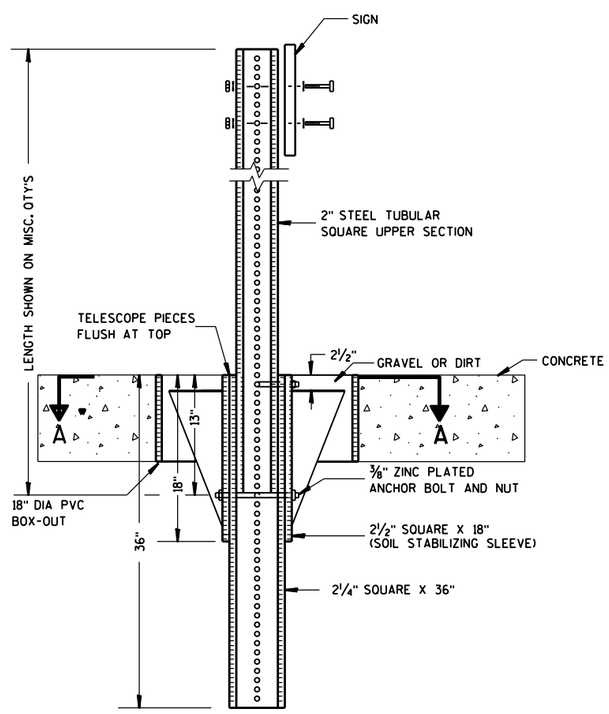
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 287	E



ELEVATION VIEW

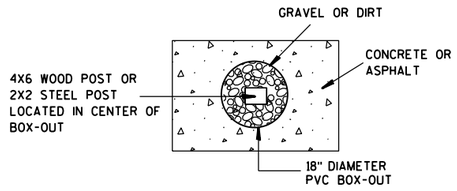
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

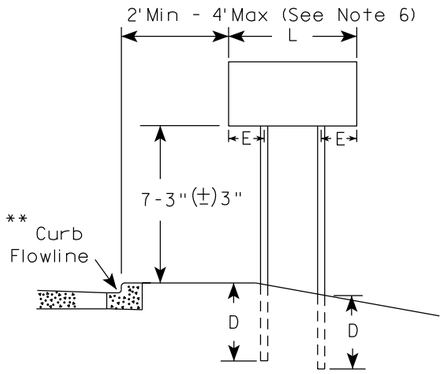
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

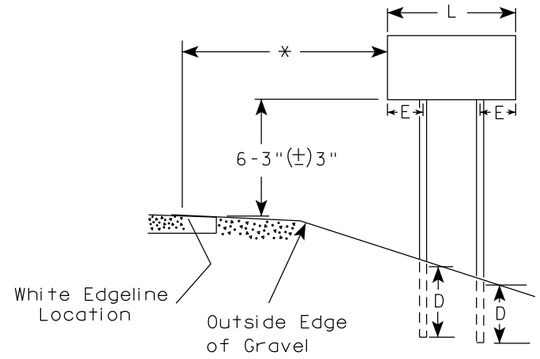
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

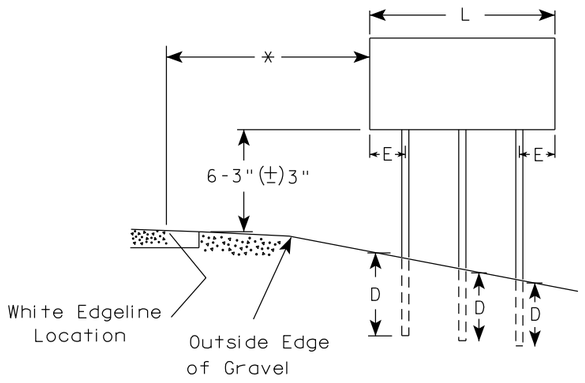
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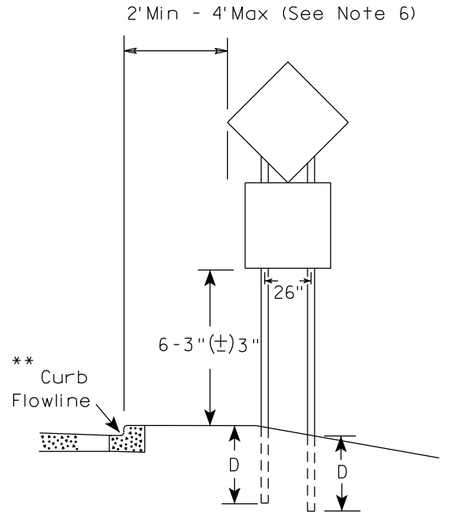
URBAN AREA



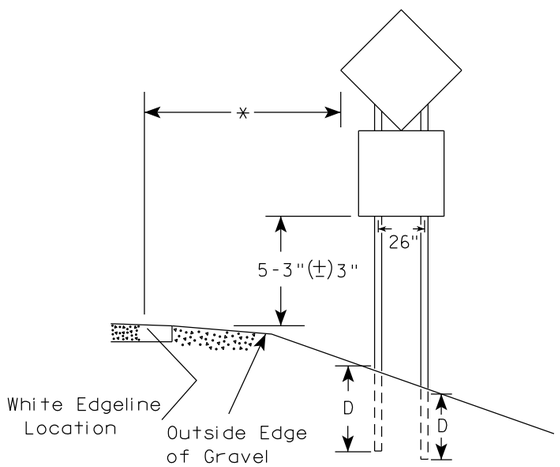
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

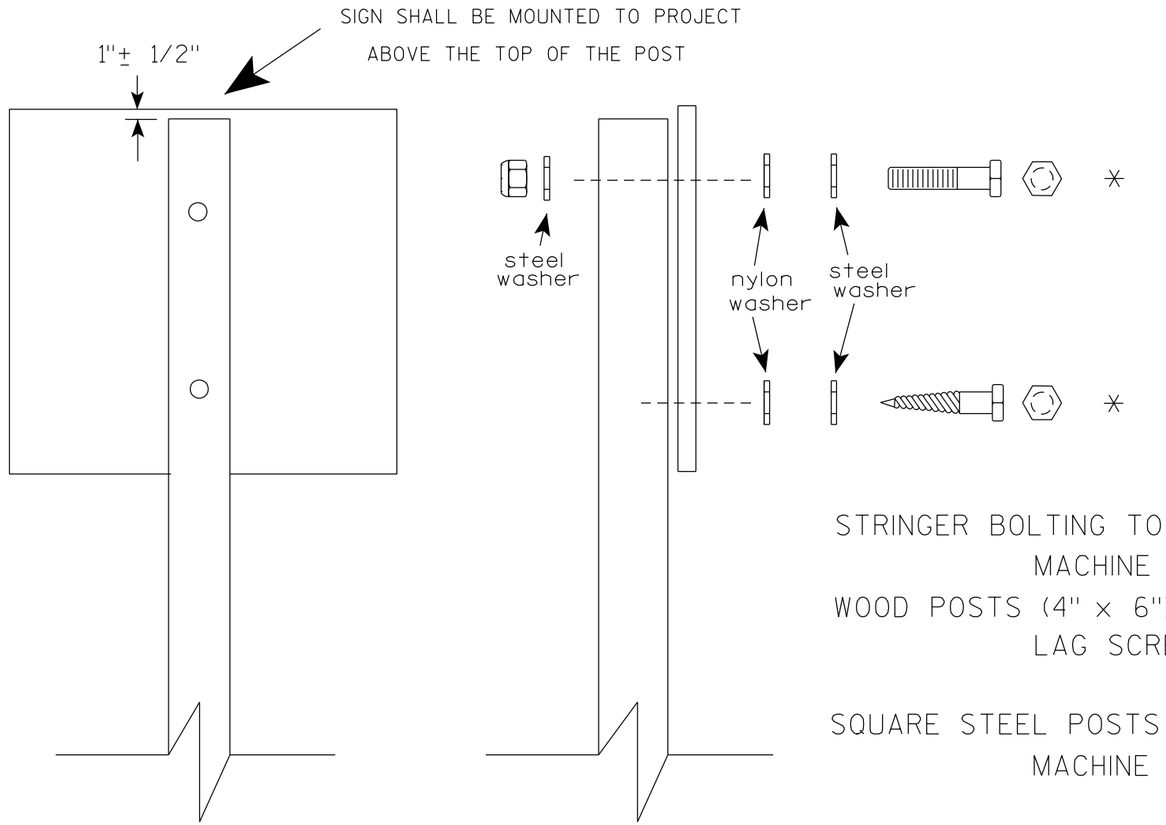
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 289	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

SHEET NO: 290 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

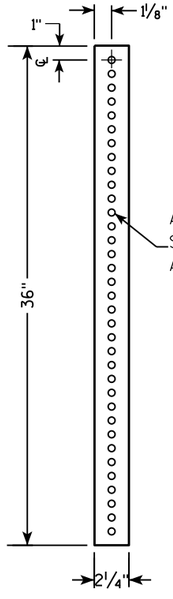
WISDOT/CADDS SHEET 42

7

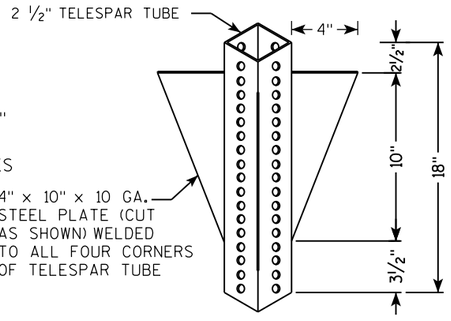
7

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

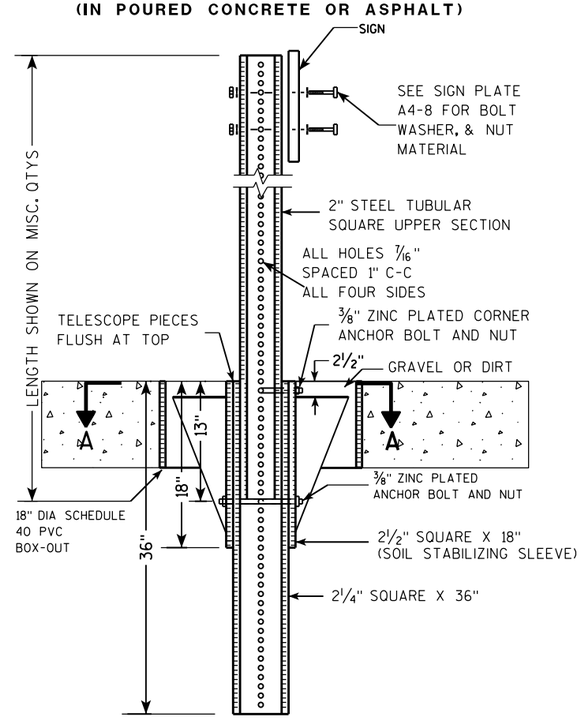
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



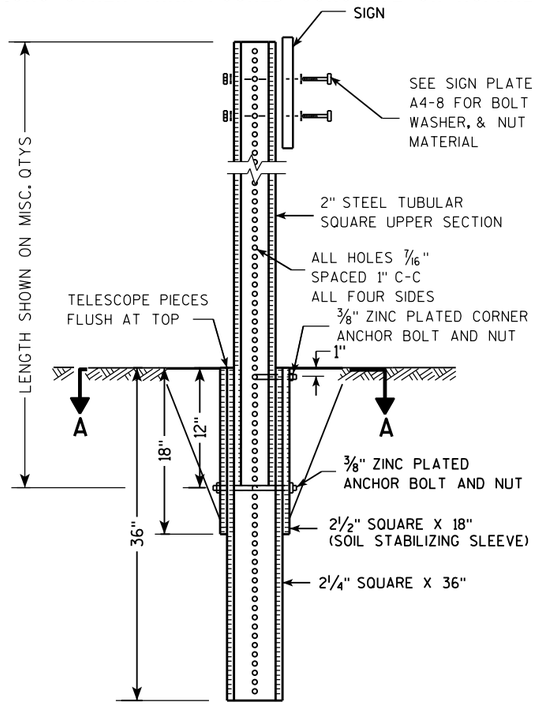
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

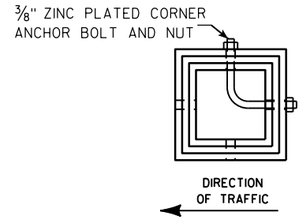


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

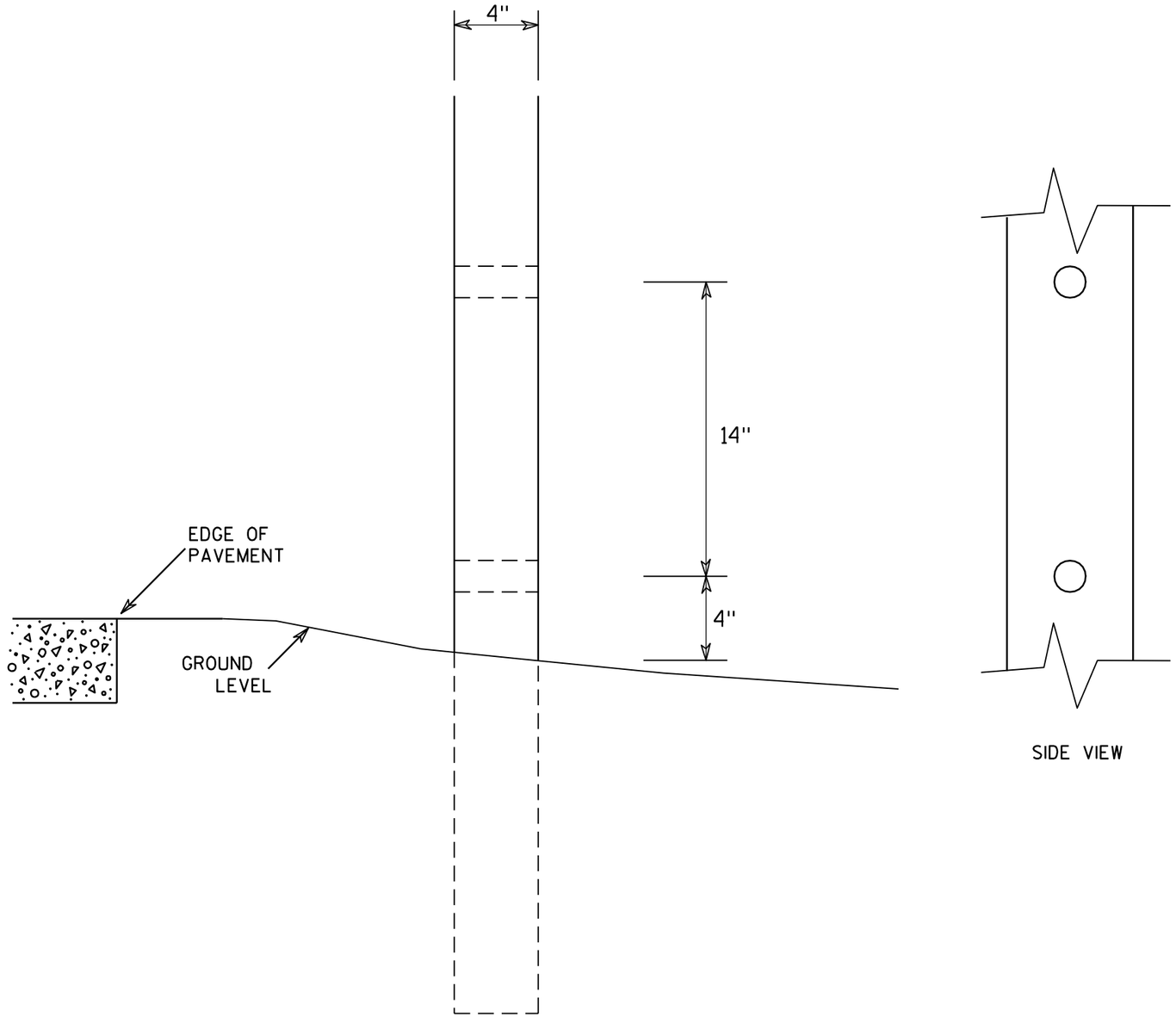
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 291 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

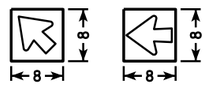
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

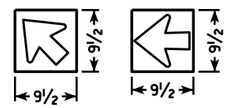
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 292	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES

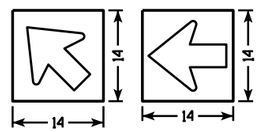




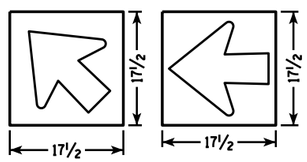










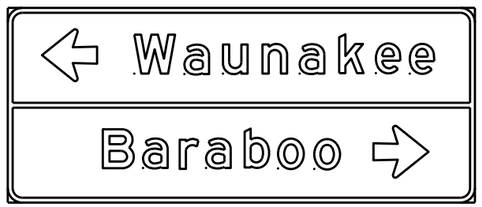


GENERAL NOTES

1. Materials shall conform to Standard Specification Section 637.
   Base - Sheet Aluminum 0.040" Thickness
   Sheeting - Orange Type F Reflective
   Arrow - Black Non-Reflective
2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws. There shall be a minmum of 2 fasteners used per arrow sign.
3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
4. Arrows are per standard plate A1-2
5. Use separate arrow sign for each destination
6. Tilt arrow is always at 45 degrees
7. Arrow is centered on arrow sign

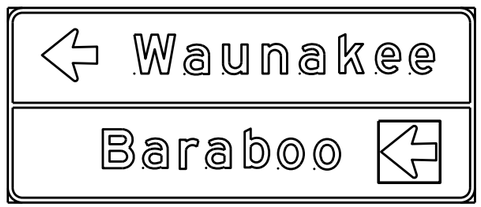
Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

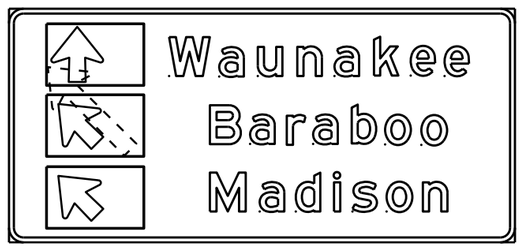
BEFORE





AFTER





DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

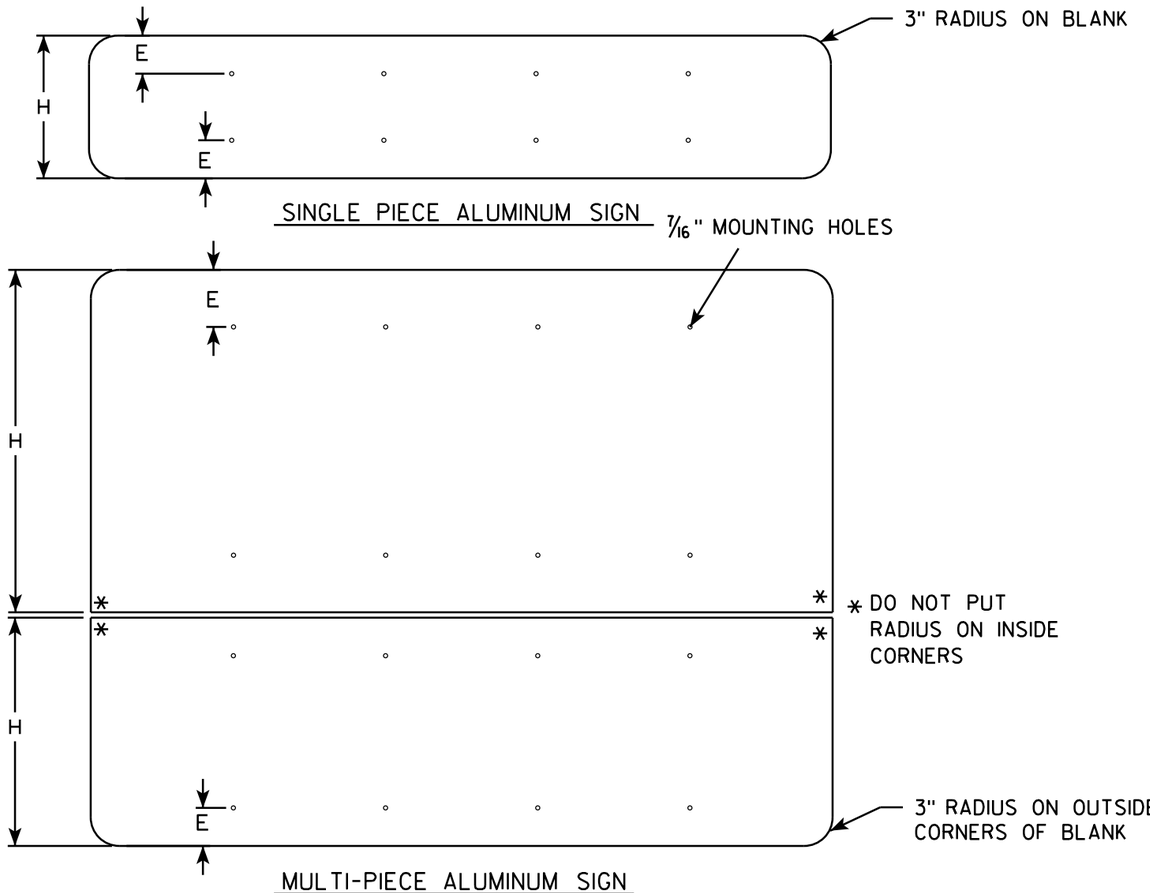
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

A4-12.2

PROJECT NO:

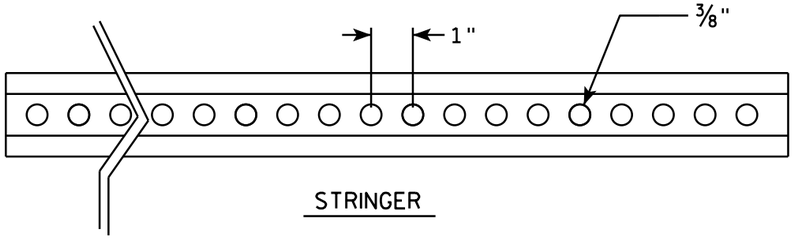
SHEET NO: E



GENERAL NOTES

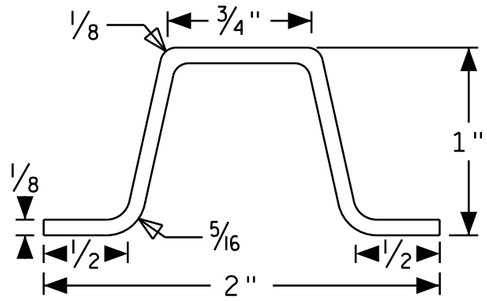
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

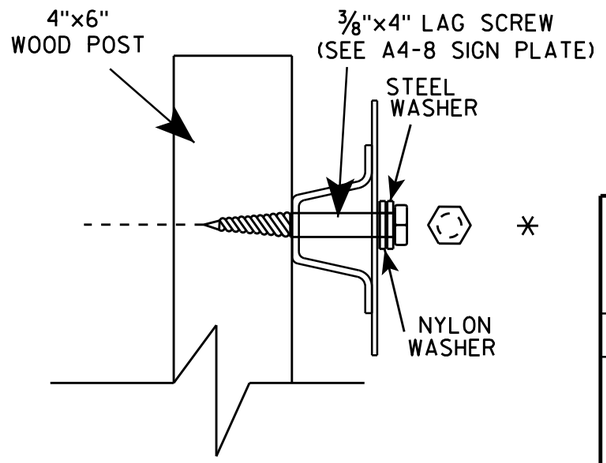


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

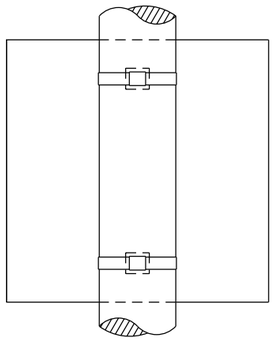
DATE 4/26/16 PLATE NO A4-18.1

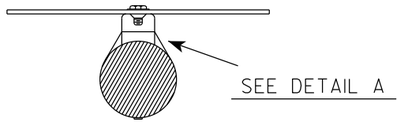
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

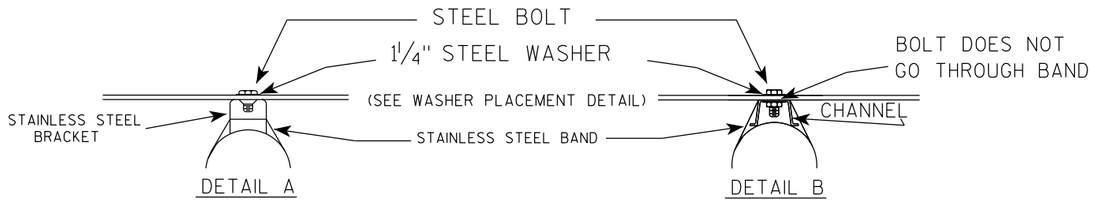
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

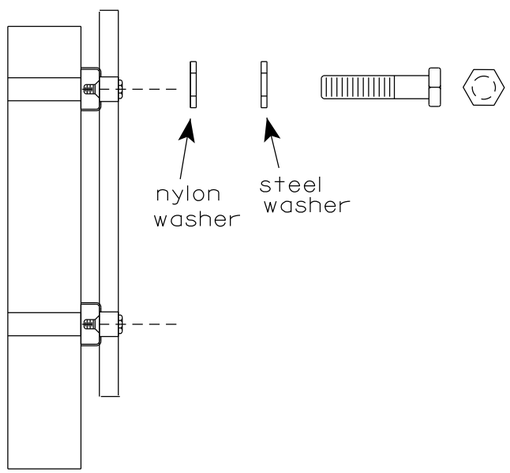
SINGLE SIGN







WASHER PLACEMENT

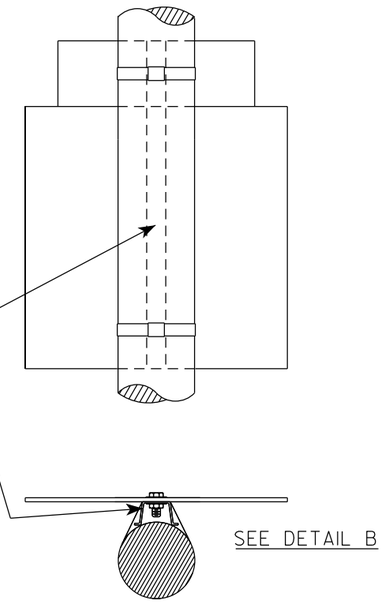


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

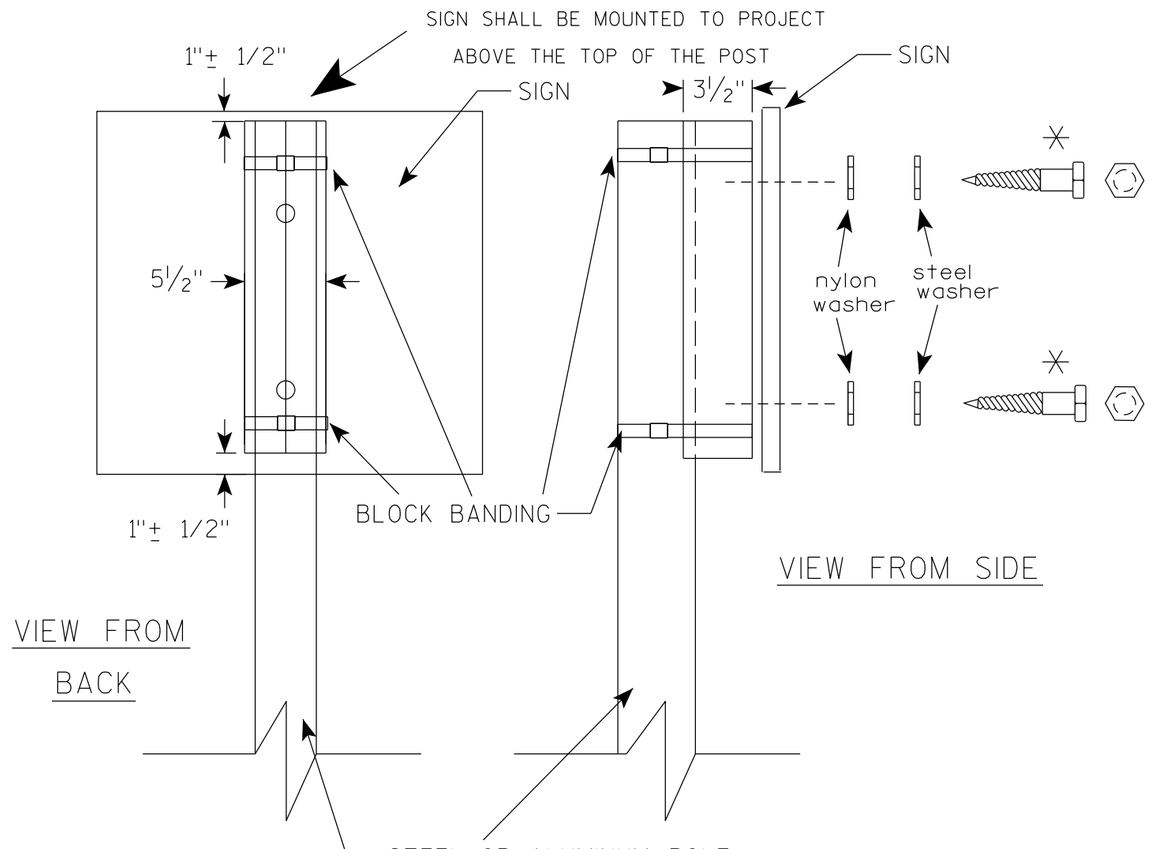
DATE 6/10/19 PLATE NO. A5-9.4

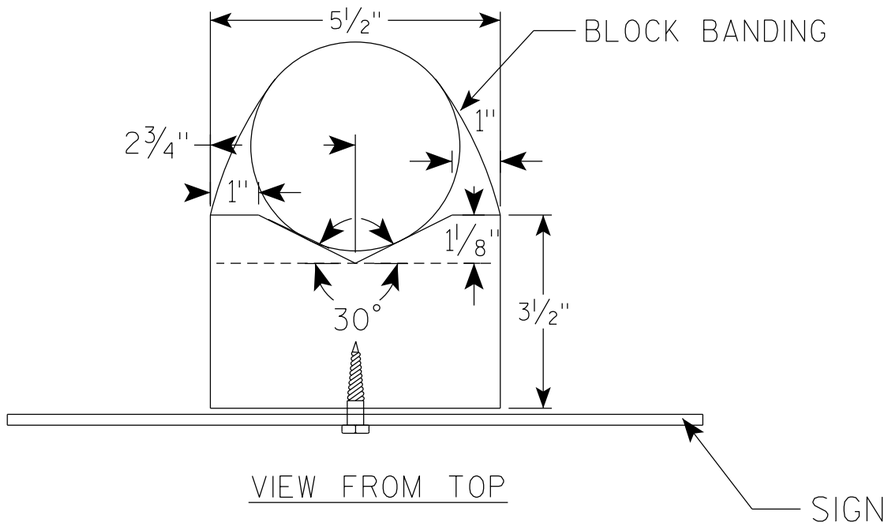
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 295	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

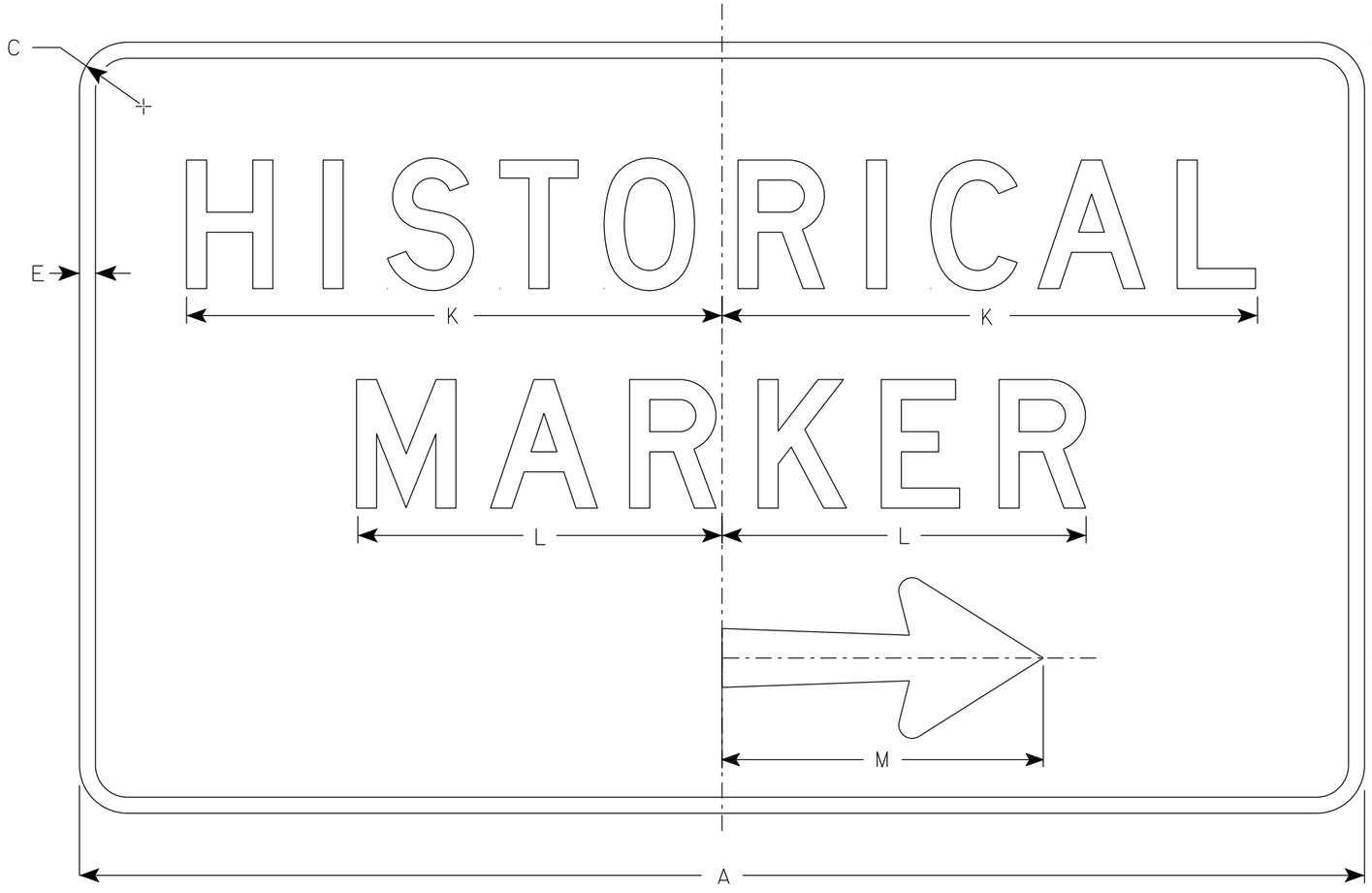
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

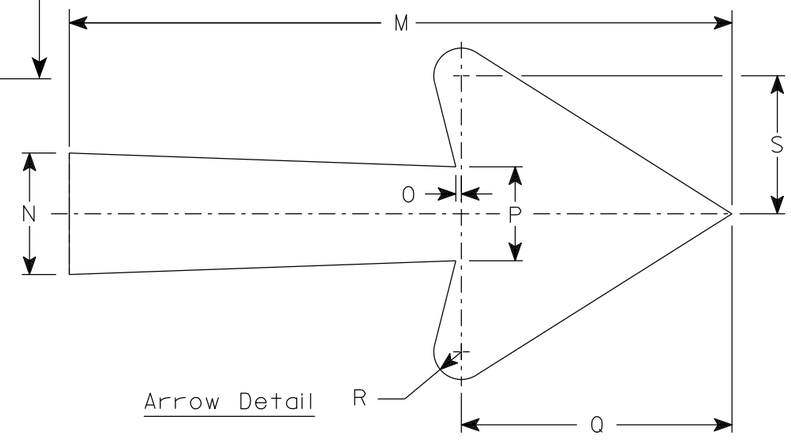
SHEET NO: 296 E



D5-64R

NOTES

1. Sign is Type II - Type H Reflective - reference
2. Color:
   Background - Brown
   Message - White
3. Message Series - D
4. D5-64L is the same as D5-64R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	36	1 7/8		3/4	6	4 5/8	4 1/2	7 1/8	7 3/4	25	17	15	2 3/4	1/8	2 1/8	6 1/8	5/8	3 1/8								15.0
2M	60	36	1 7/8		3/4	6	4 5/8	4 1/2	7 1/8	7 3/4	25	17	15	2 3/4	1/8	2 1/8	6 1/8	5/8	3 1/8								15.0
3	78	48	3		1	8	6	6	10	10	32 3/4	22 3/8	21	4 1/4	1/4	2 3/4	7 7/8	3/4	4								26.0
4																											
5																											

STANDARD SIGN
D5-64

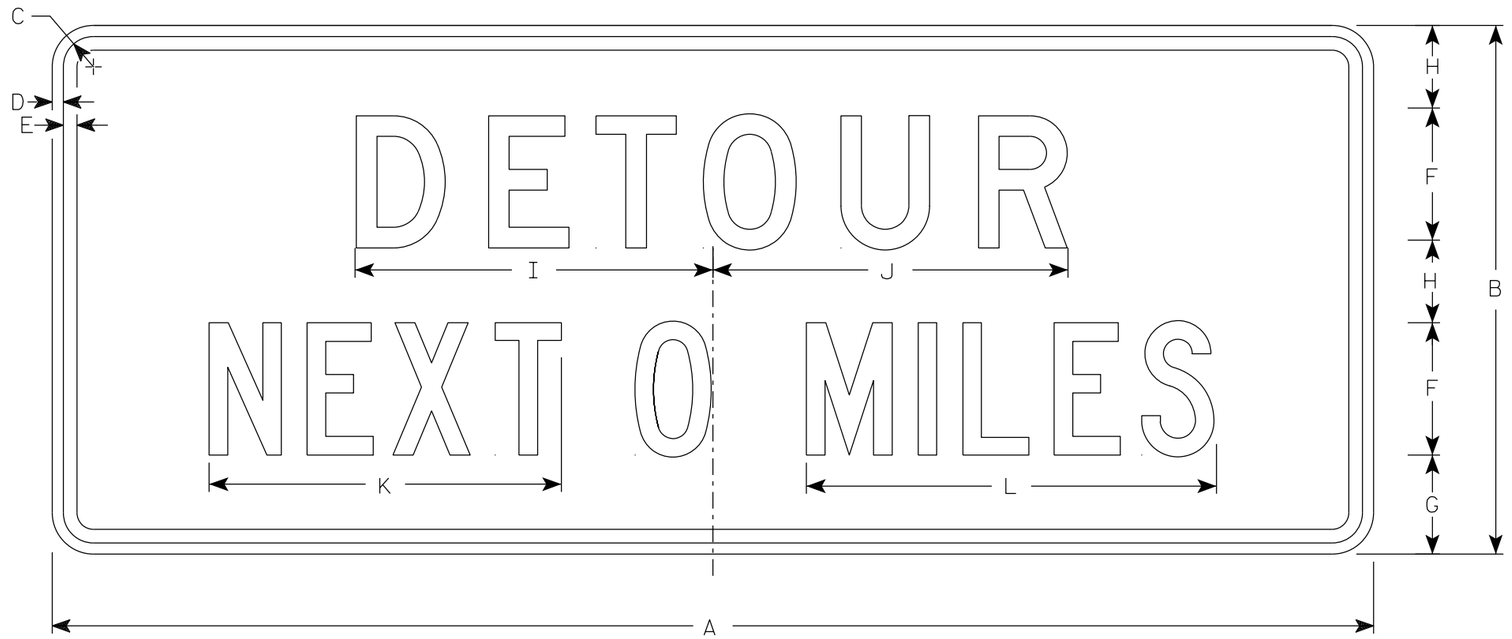
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/2024 PLATE NO. D5-64.7

PROJECT NO:

SHEET NO: 297 E



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0
2M	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0
3	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0
4	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0
5	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10.0

STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

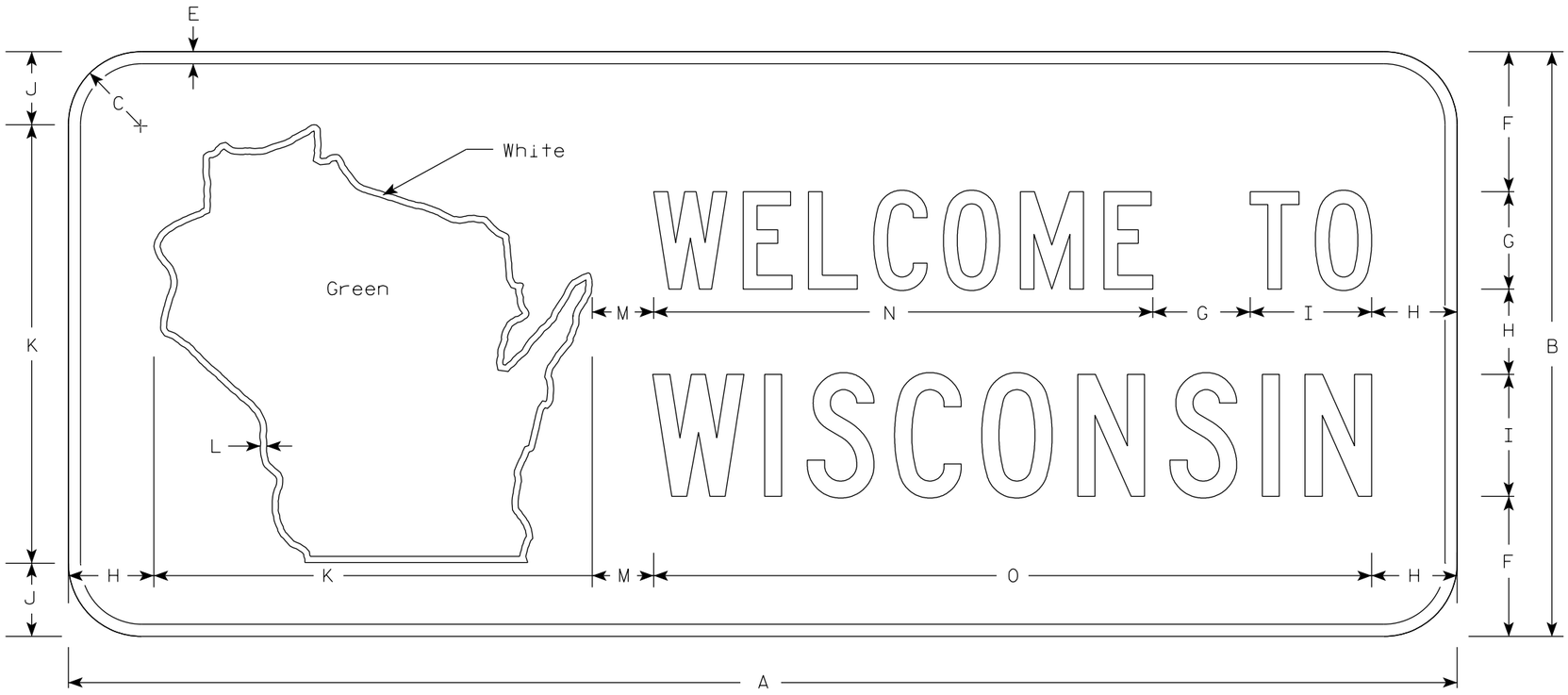
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-51.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 298	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White except as noted
3. Message Series - C



I2-1B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	114	48	6		1	11 1/2	8	7	10	6	36	1/2	5	41	59												38.0
3																											
4																											
5																											

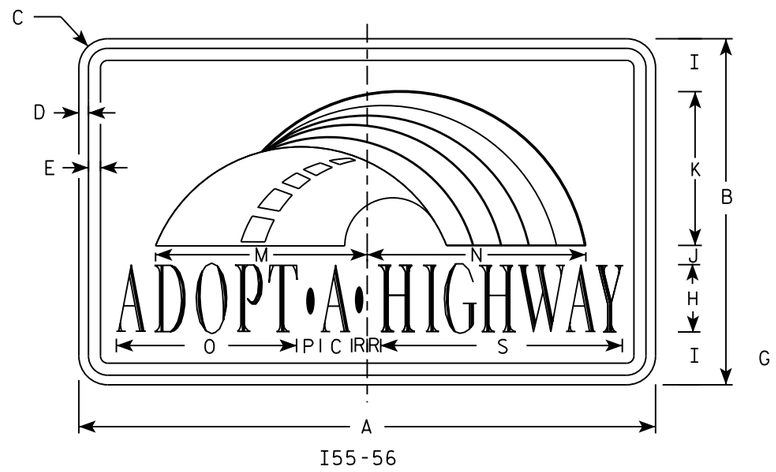
STANDARD SIGN
I2-1B

WISCONSIN DEPT OF TRANSPORTATION

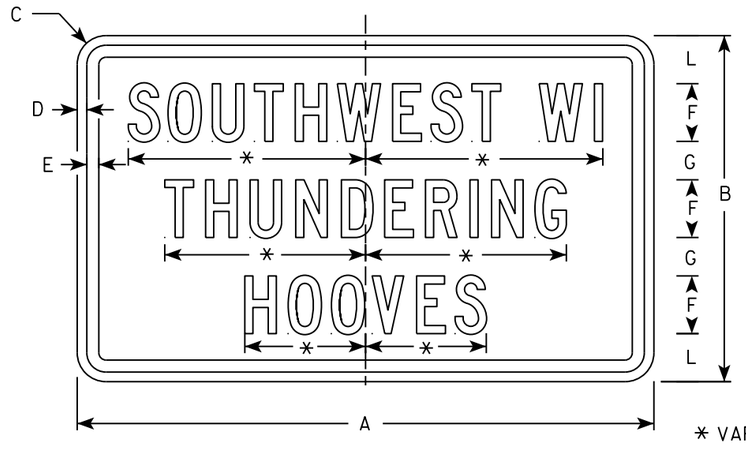
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/16/2020 PLATE NO. I2-1B.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



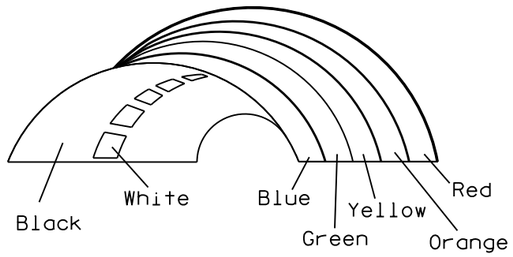
I55-56



I55-56P

* VARIES

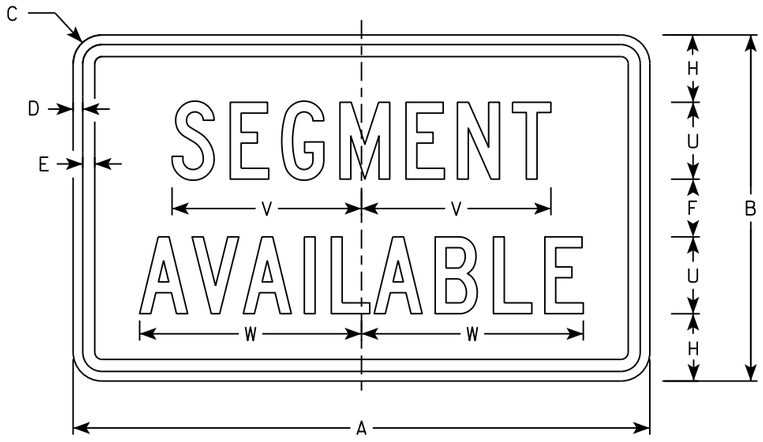
Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - (See Note 4)
3. Message Series - (See Note 5)
4. Border - Blue
   Adopt a Highway - Red
   All other Text - Blue
5. Adopt a Highway - Dutch 8011L
   All other Text - Series C
6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



I55-56S

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 3/4	1	8	2 1/2	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

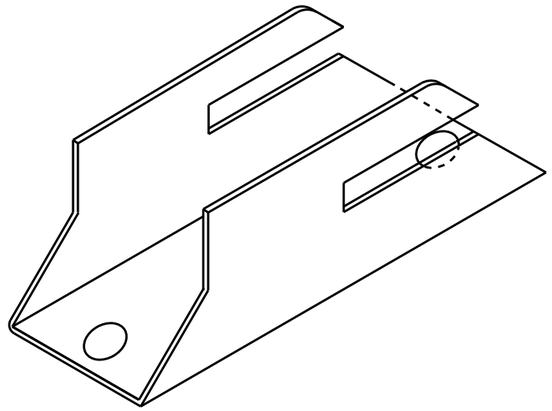
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

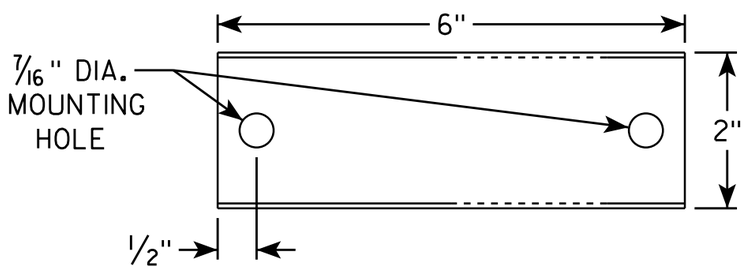
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 300 | E

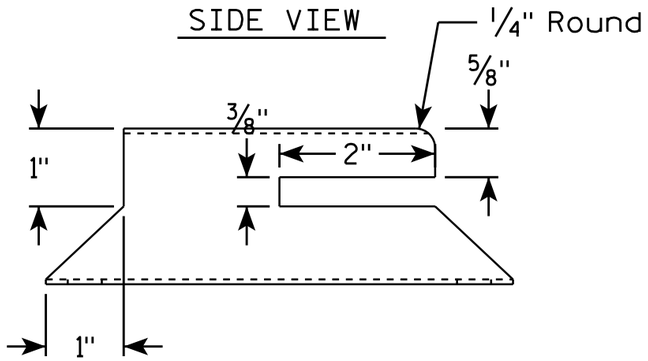
ISOMETRIC VIEW



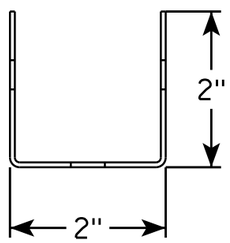
TOP VIEW



SIDE VIEW



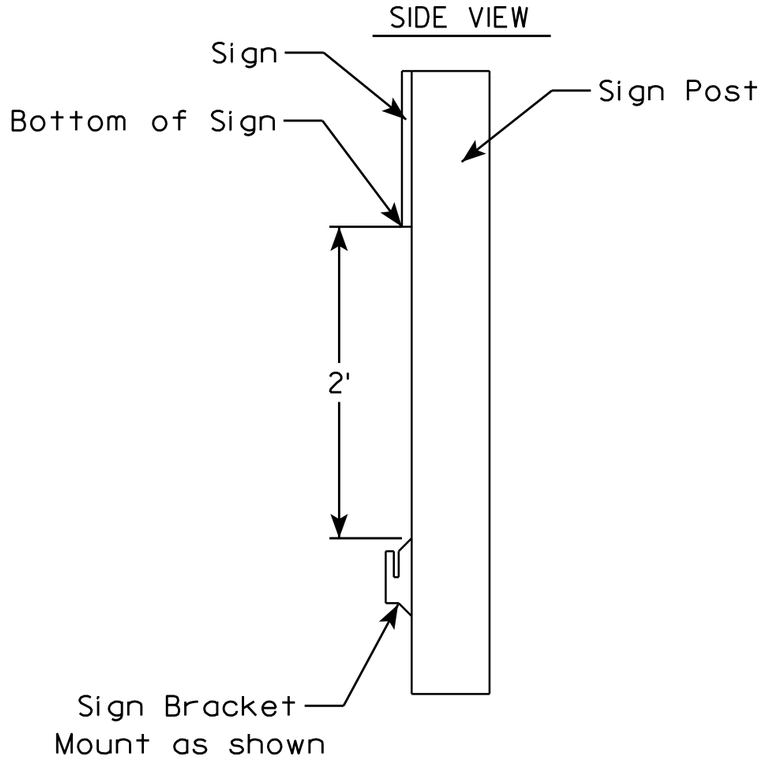
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



7

7

ROLLUP SIGN BRACKET
I55-56B

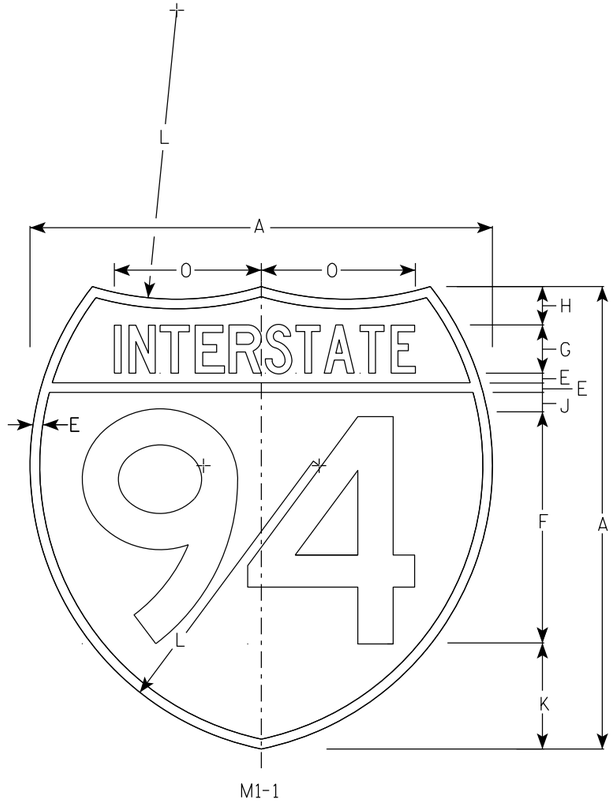
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

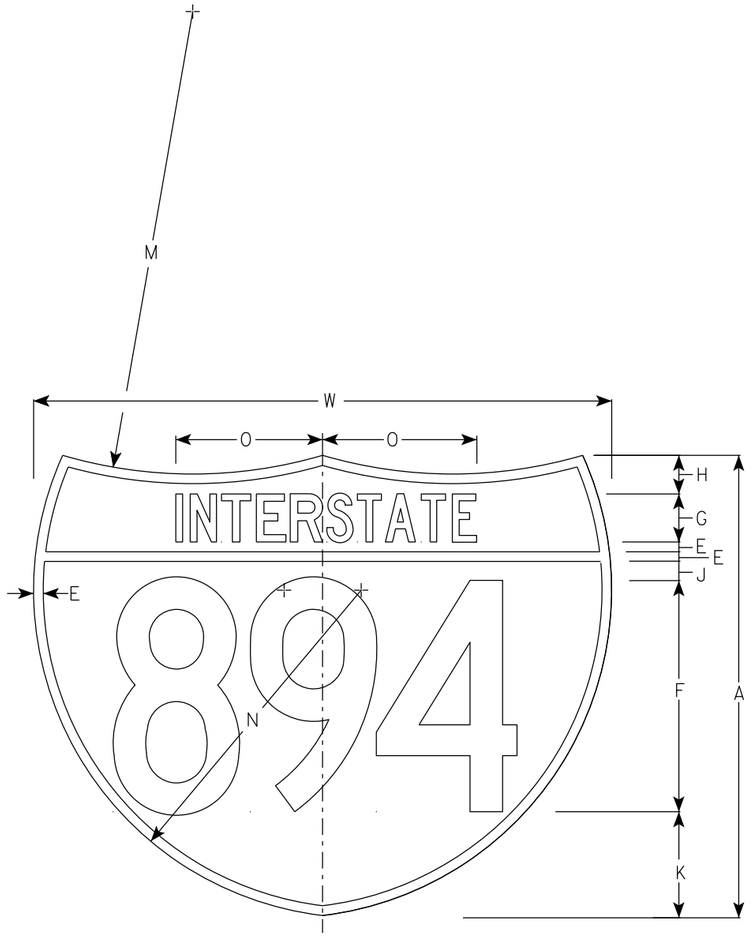
DATE 4/26/16 PLATE I55-56B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000
WISDOT/CADDS SHEET 42



M1-1



M1-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Top Red - Bottom Blue
   Message - White
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.
1																											
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
2M	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79

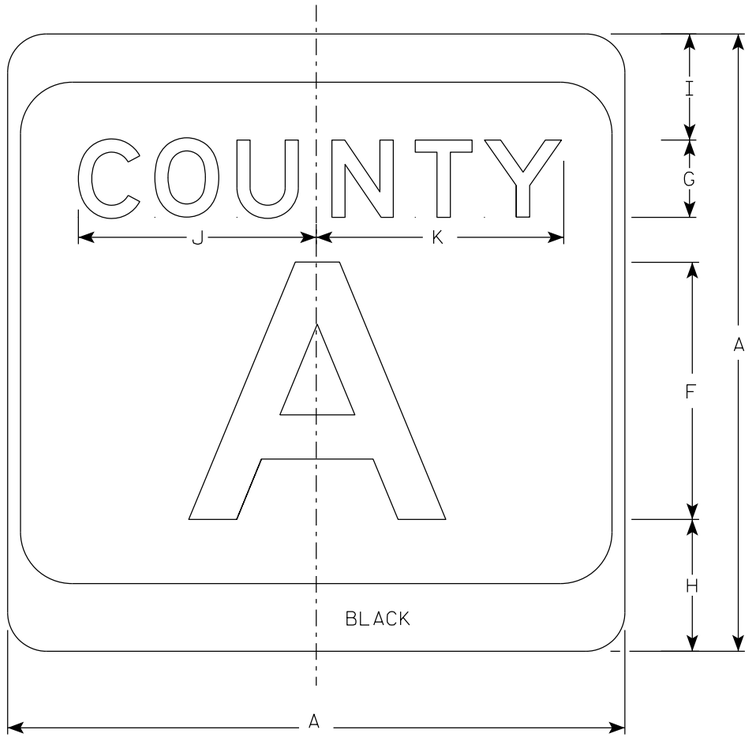
INTERSTATE ROUTE MARKER M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

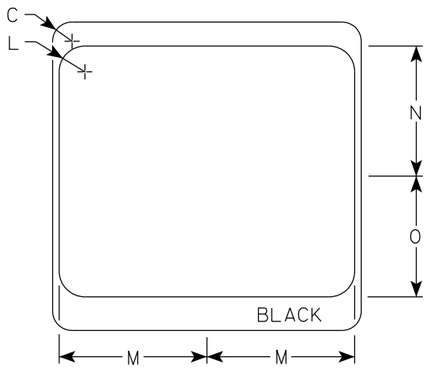
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/7/2022 PLATE NO. M1-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 302 E

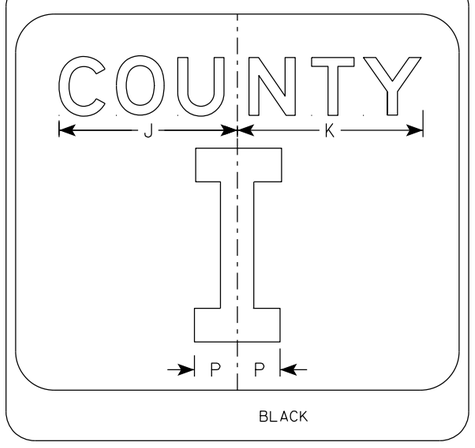


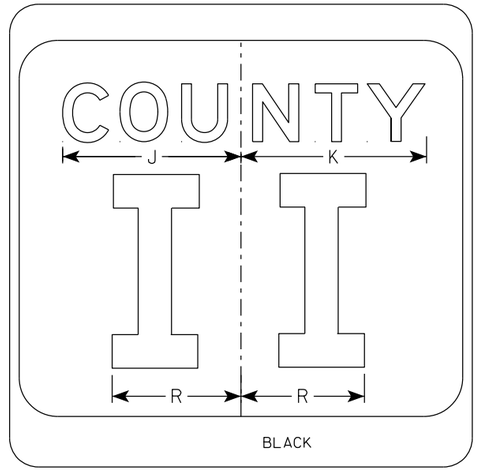
M1-5A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center to achieve proper balance.





SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

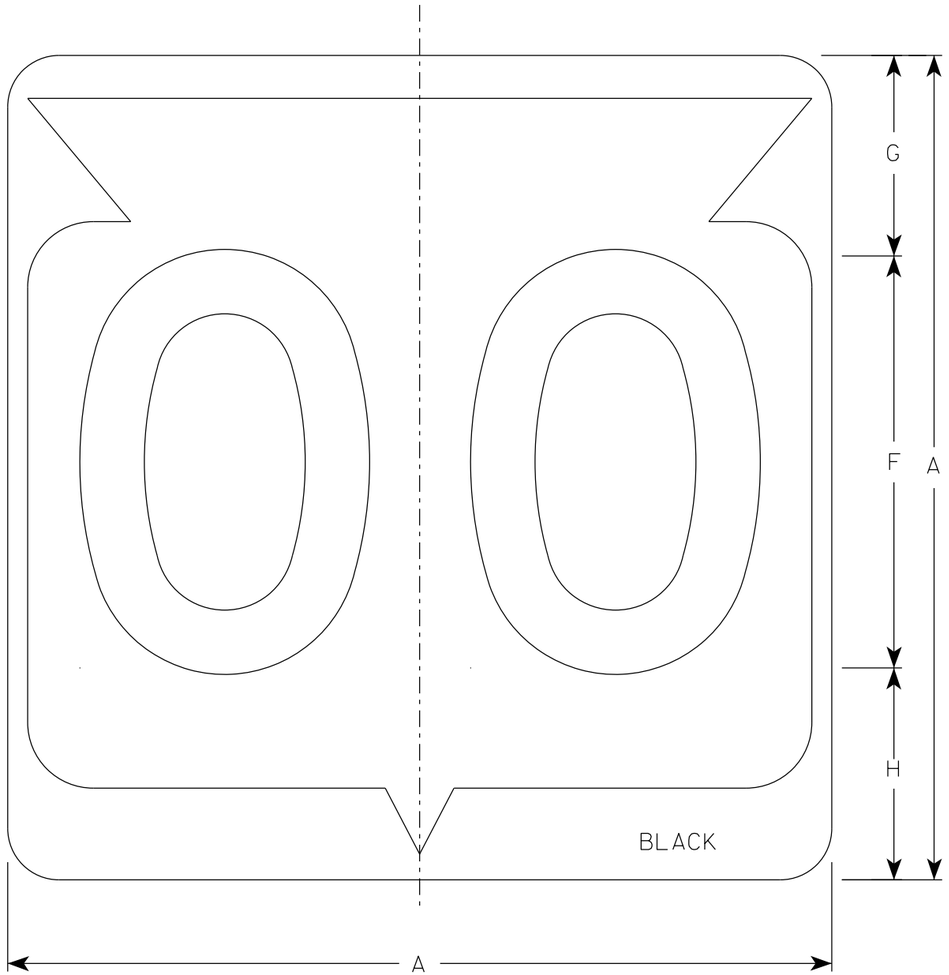
DATE 11/8/2022 PLATE NO. M1-5A.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

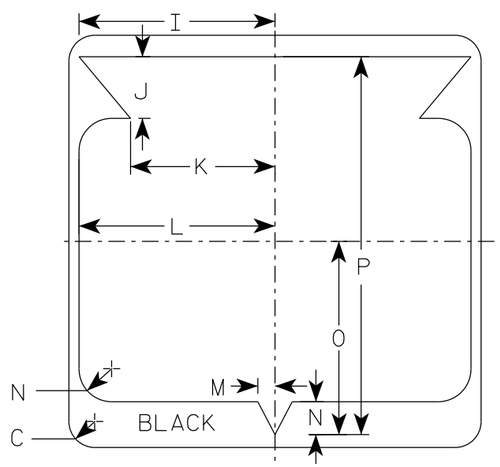
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7



M1-6



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

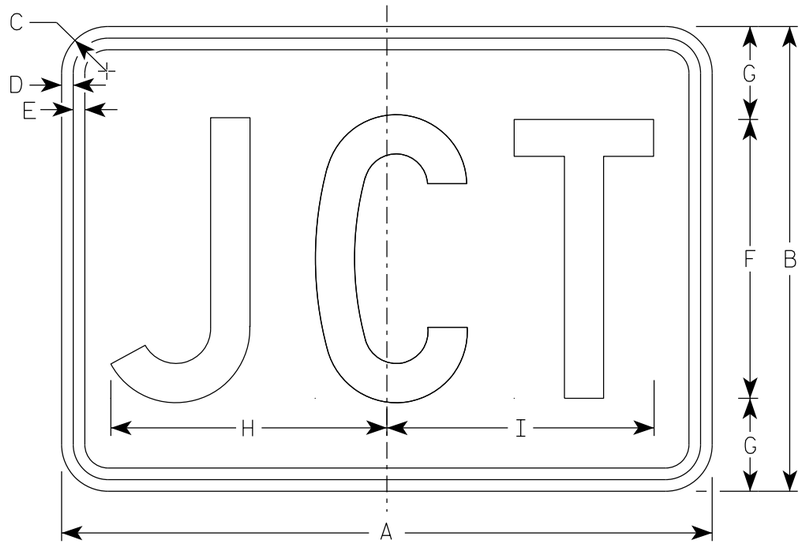
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

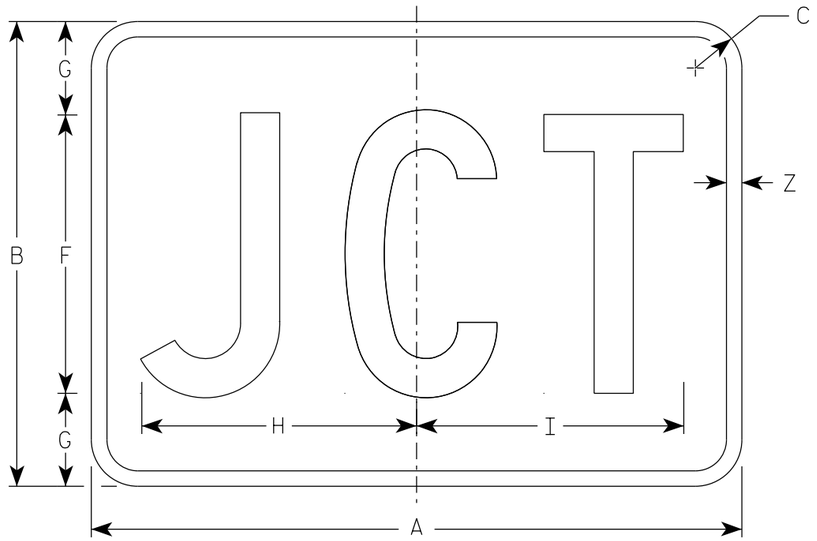
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 304	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

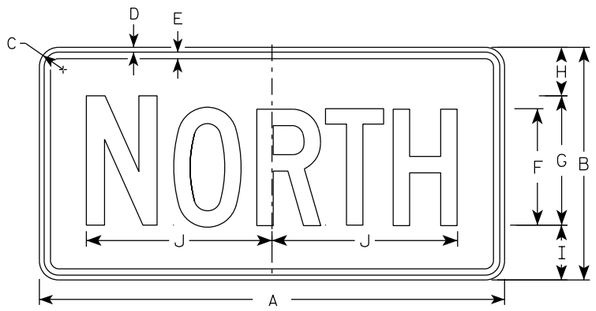
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

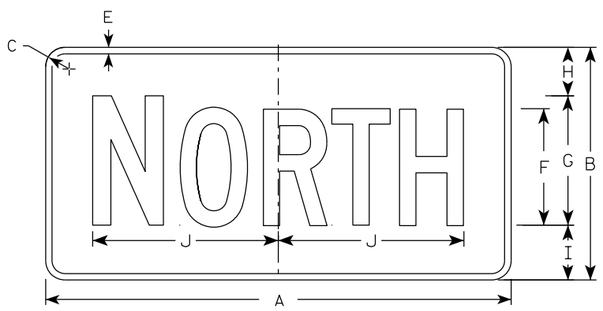
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M2-1.14

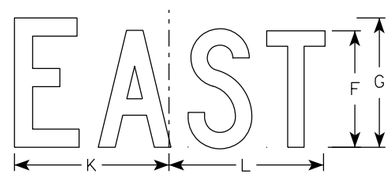
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 305 | E



M3-1
MM3-1
MP3-1



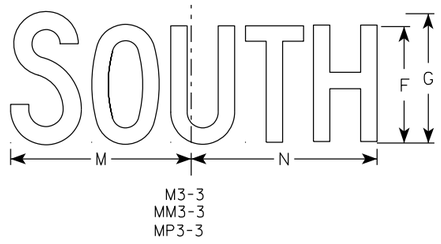
MB3-1
MK3-1
MN3-1



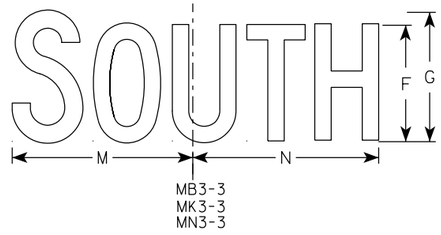
M3-2
MM3-2
MP3-2



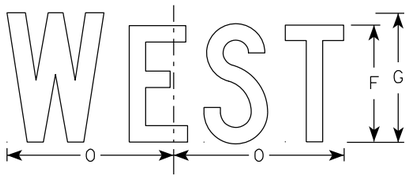
MB3-2
MK3-2
MN3-2



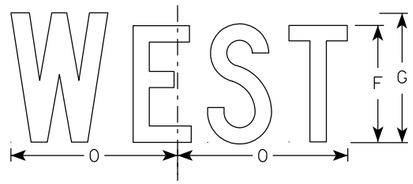
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

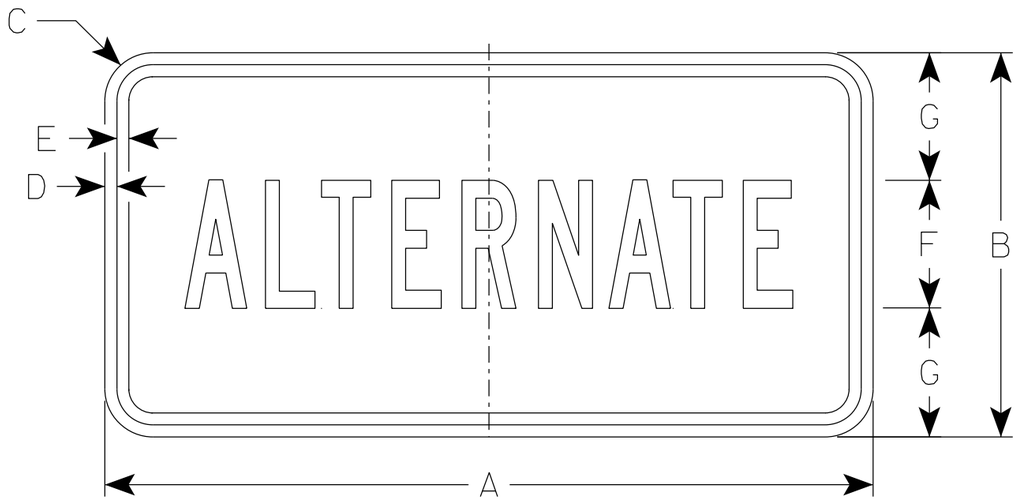
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 306 | E



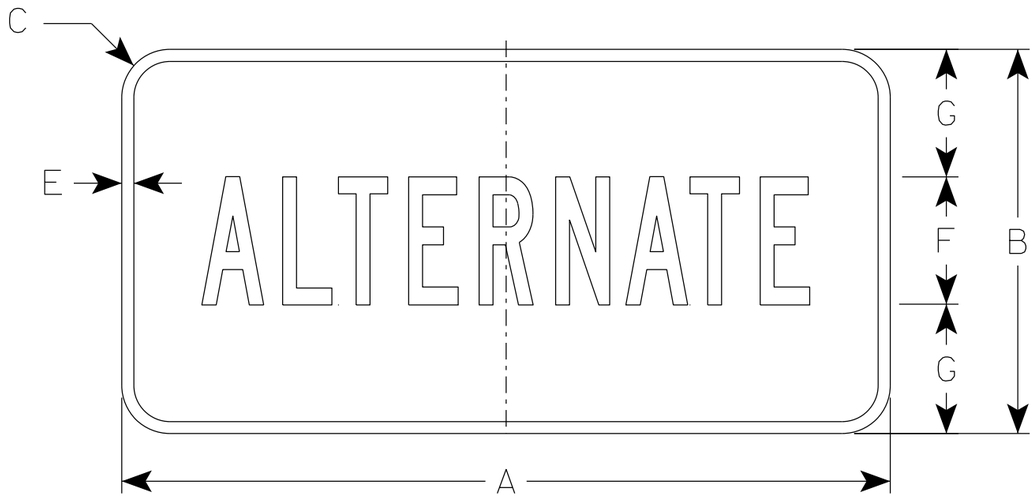
M4-1
MO4-1

NOTES

1. Sign is Type II - Type H Reflective except as Shown
2. Color:
   Background - See Note 5
   Message - See note 5
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-1 Background - White
   Message - Black

   MB4-1 Background - Blue
   Message - White

   MO4-1 Background - Orange - Type F Reflective
   Message - Black



MB4-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	4	4	9 3/4	9 1/2																		2.00
2M	24	12	1 1/2	3/8	3/8	4	4	9 3/4	9 1/2																		2.00
3	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5

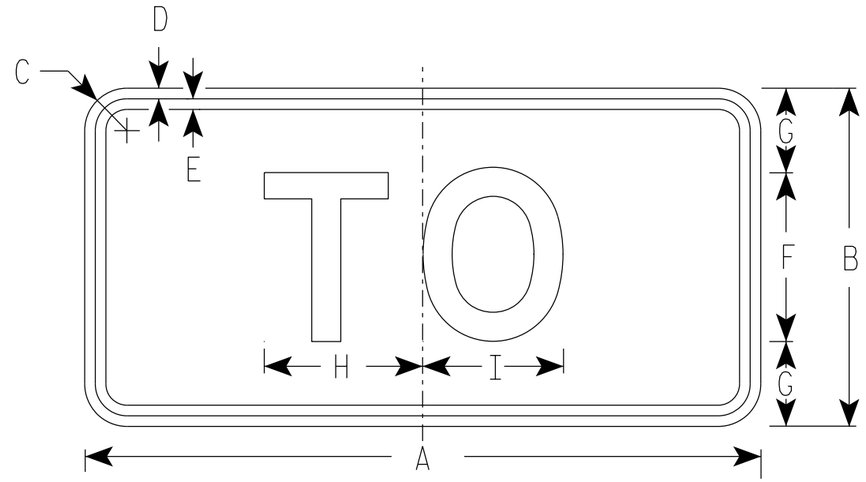
STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

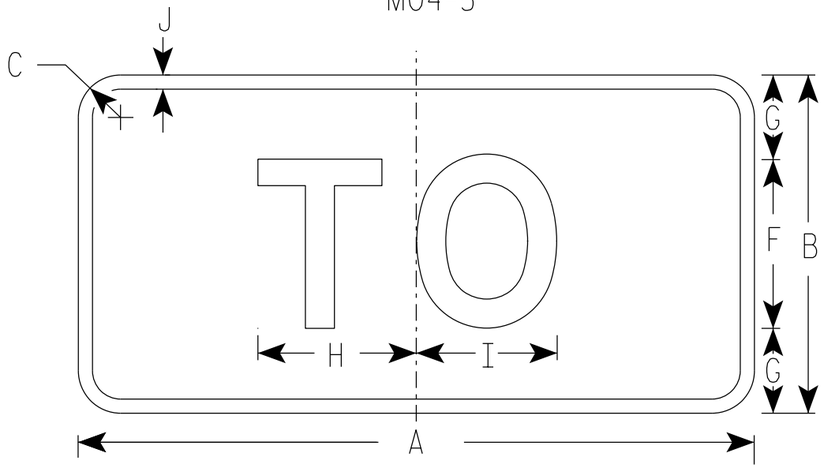
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 | E



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   M04-5 Background - Orange Type F Reflective
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	⅜	⅜	6	3	5 ⅜	5 ¼	½																	2.00
2M	24	12	1 ½	⅜	⅜	6	3	5 ⅜	5 ¼	½																	2.00
3	36	18	1 ½	⅜	½	9	4 ½	8 ¼	8 ⅜	½																	4.5
4	36	18	1 ½	⅜	½	9	4 ½	8 ¼	8 ⅜	½																	4.5
5	36	18	1 ½	⅜	½	9	4 ½	8 ¼	8 ⅜	½																	4.5

STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

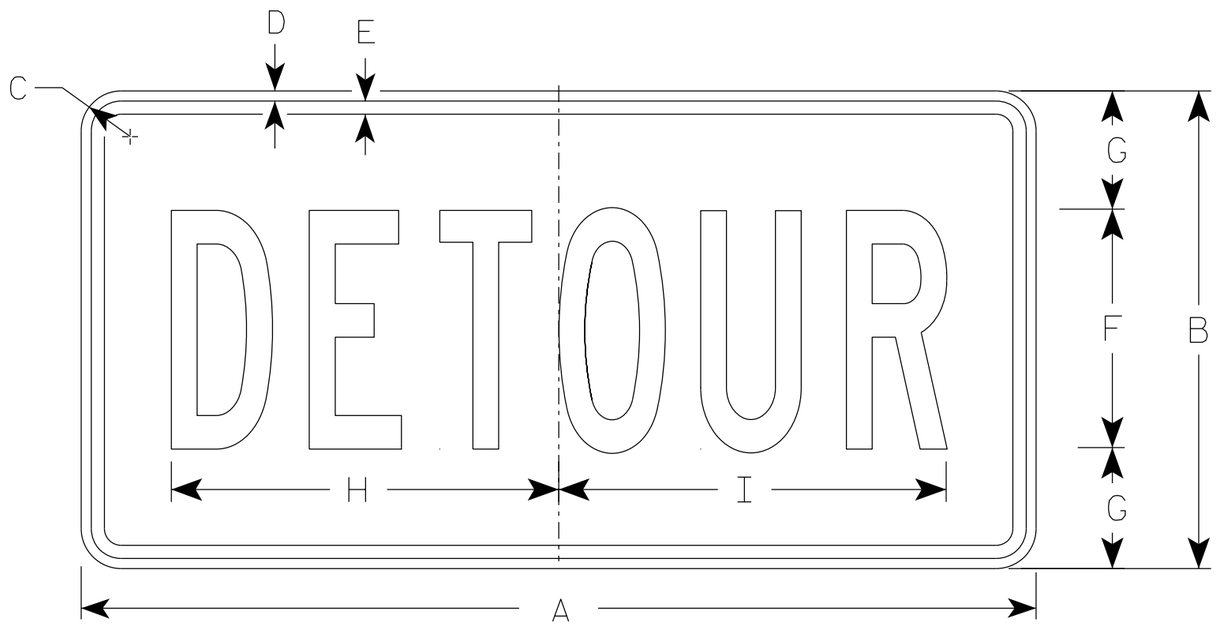
DATE 2/8/2023 PLATE NO. M4-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 308 E

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M4-8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

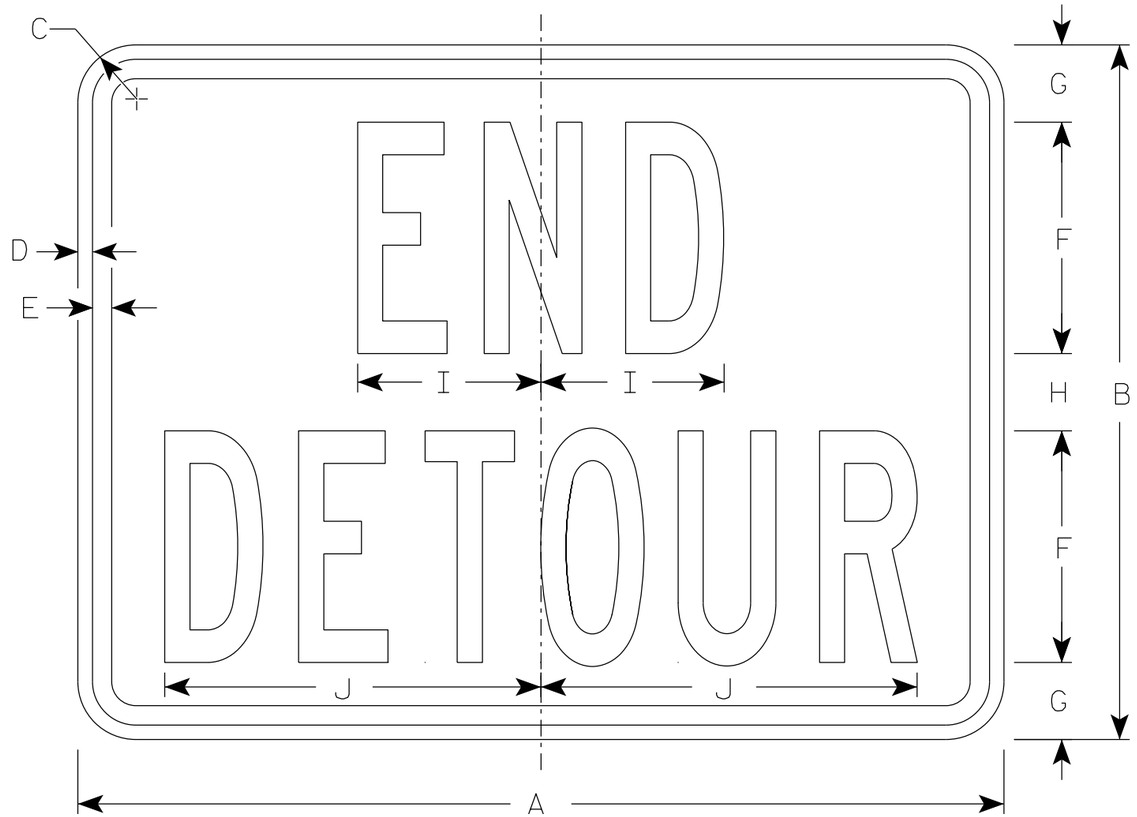
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 309	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
2M	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
3	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
4	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
5	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0

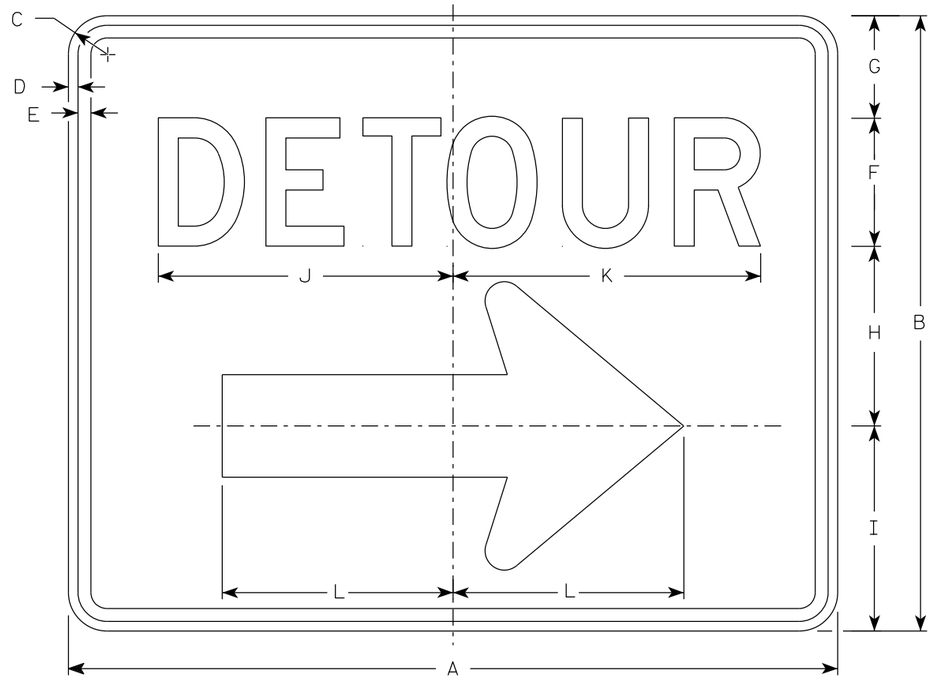
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

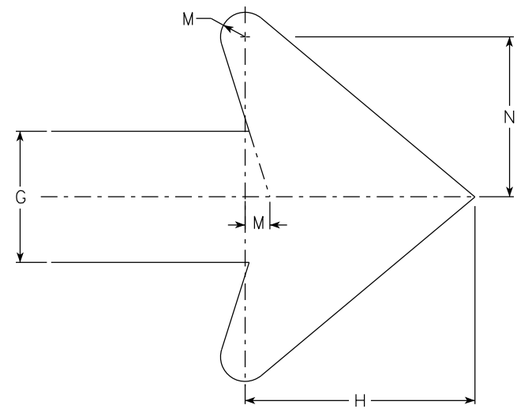
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 310 | E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

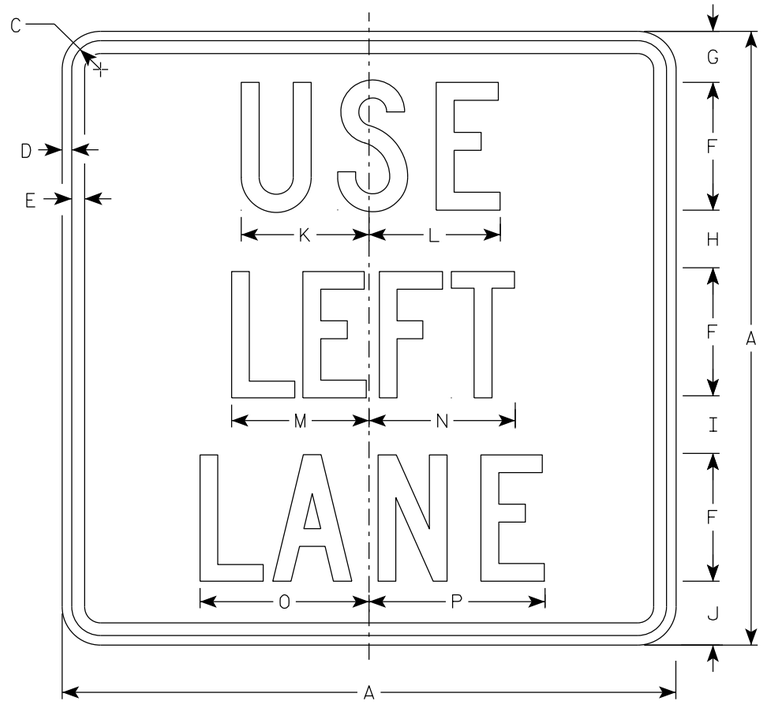
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

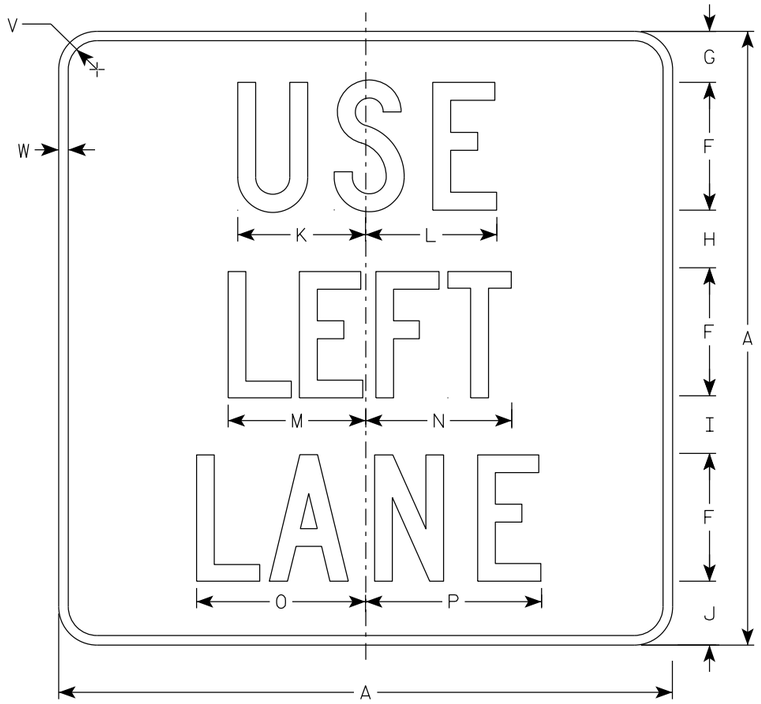
DATE 2/9/2023 PLATE NO. M4-9R.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

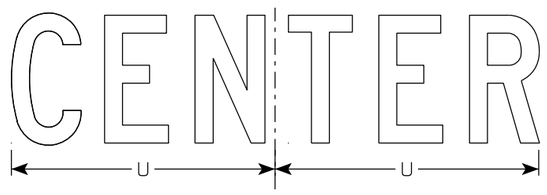
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49R.dgn PLOT DATE : 21-MARCH 2023 1:40 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



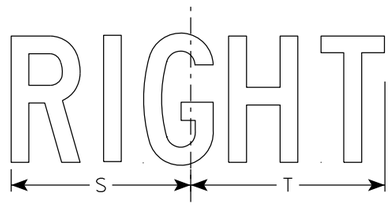
M4-20L
MM4-20L
MO4-20L
MP4-20L



MB4-20L
MK4-20L
MN4-20L
MR4-20L



M4-20C
MB4-20C
MK4-20C
MM4-20C
MN4-20C
MO4-20C
MP4-20C
MR4-20C



M4-20R
MB4-20R
MK4-20R
MM4-20R
MN4-20R
MO4-20R
MP4-20R
MR4-20R

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-20 Background - White
   Message - Black
   MB4-20 Background - Blue
   Message - White
   MK4-20 Background - Green
   Message - White
   MM4-20 Background - White
   Message - Green
   MN4-20 Background - Brown
   Message - White
   MO4-20 Background - Orange - Type F Reflective
   Message - Black
   MP4-20 Background - White
   Message - Blue
   MR4-20 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/2	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	5 3/8	5 3/4	6 5/8	6 7/8			7	7 5/8	10 1/4	1 1/2	1/2				4.0
2M	24		1 1/2	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	5 3/8	5 3/4	6 5/8	6 7/8			7	7 5/8	10 1/4	1 1/2	1/2				4.0
3	36		2 1/4	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0
4	36		2 1/4	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0
5	36		2 1/4	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0

STANDARD SIGN
M4-20

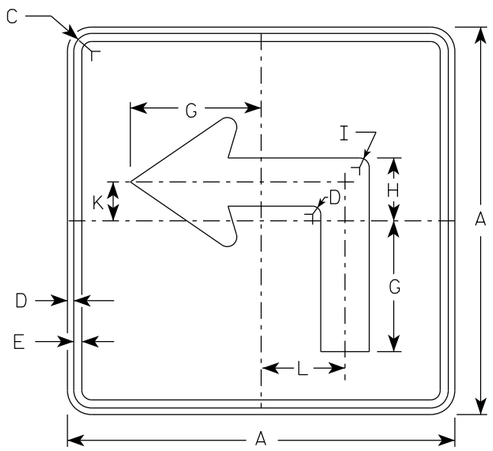
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

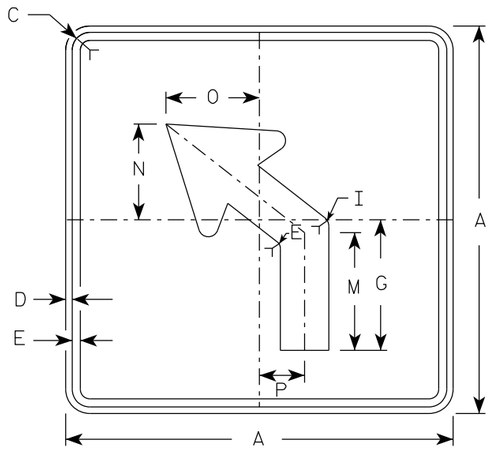
DATE 2/13/2023 PLATE NO. M4-20.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

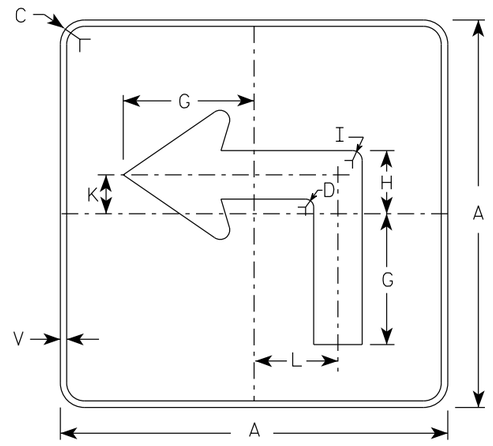
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M420.dgn PLOT DATE : 13-FEB 2023 8:25 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



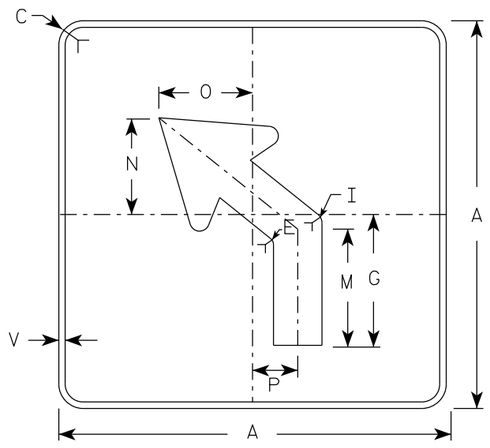
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

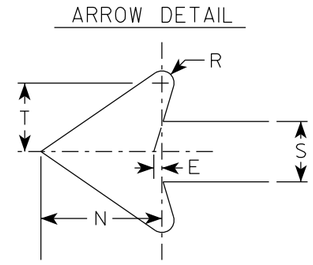


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

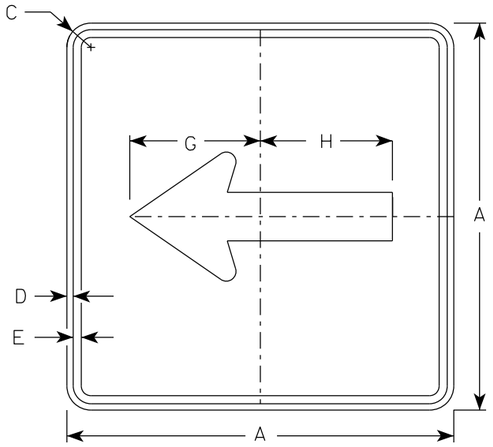
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

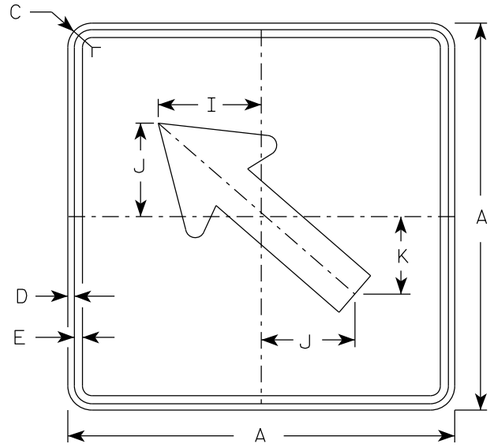
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

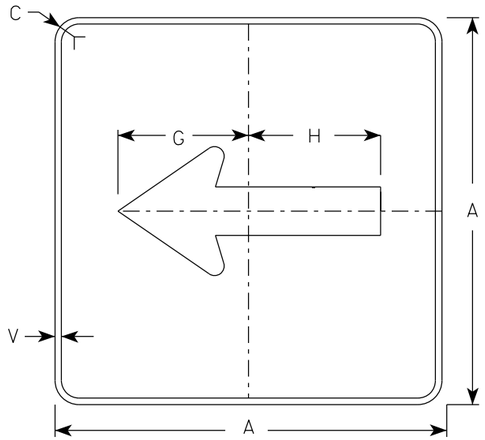
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | E



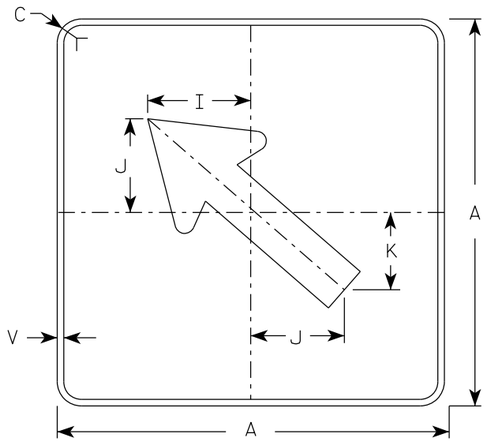
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

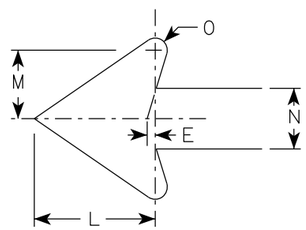


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

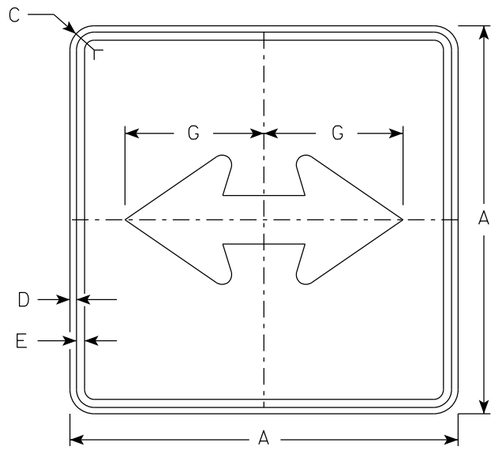
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

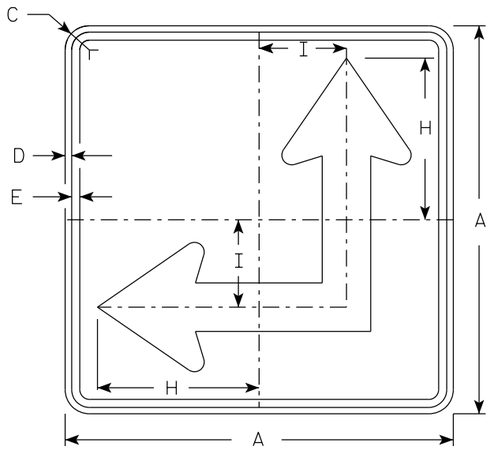
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 314 | E

7

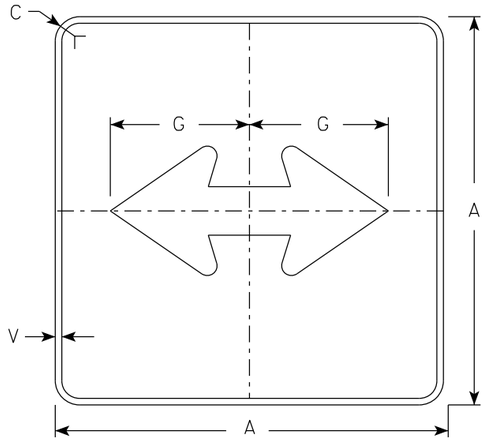
7



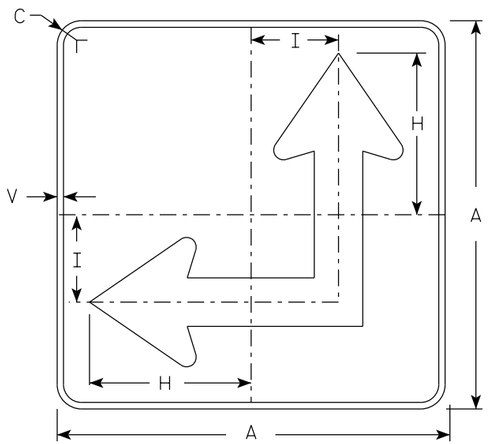
M6-4
MM6-4
MO6-4
MP6-4



M6-6
MM6-6
MO6-6
MP6-6



MB6-4
MK6-4
MN6-4
MR6-4

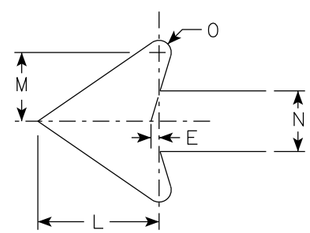


MB6-6
MK6-6
MN6-6
MR6-6

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

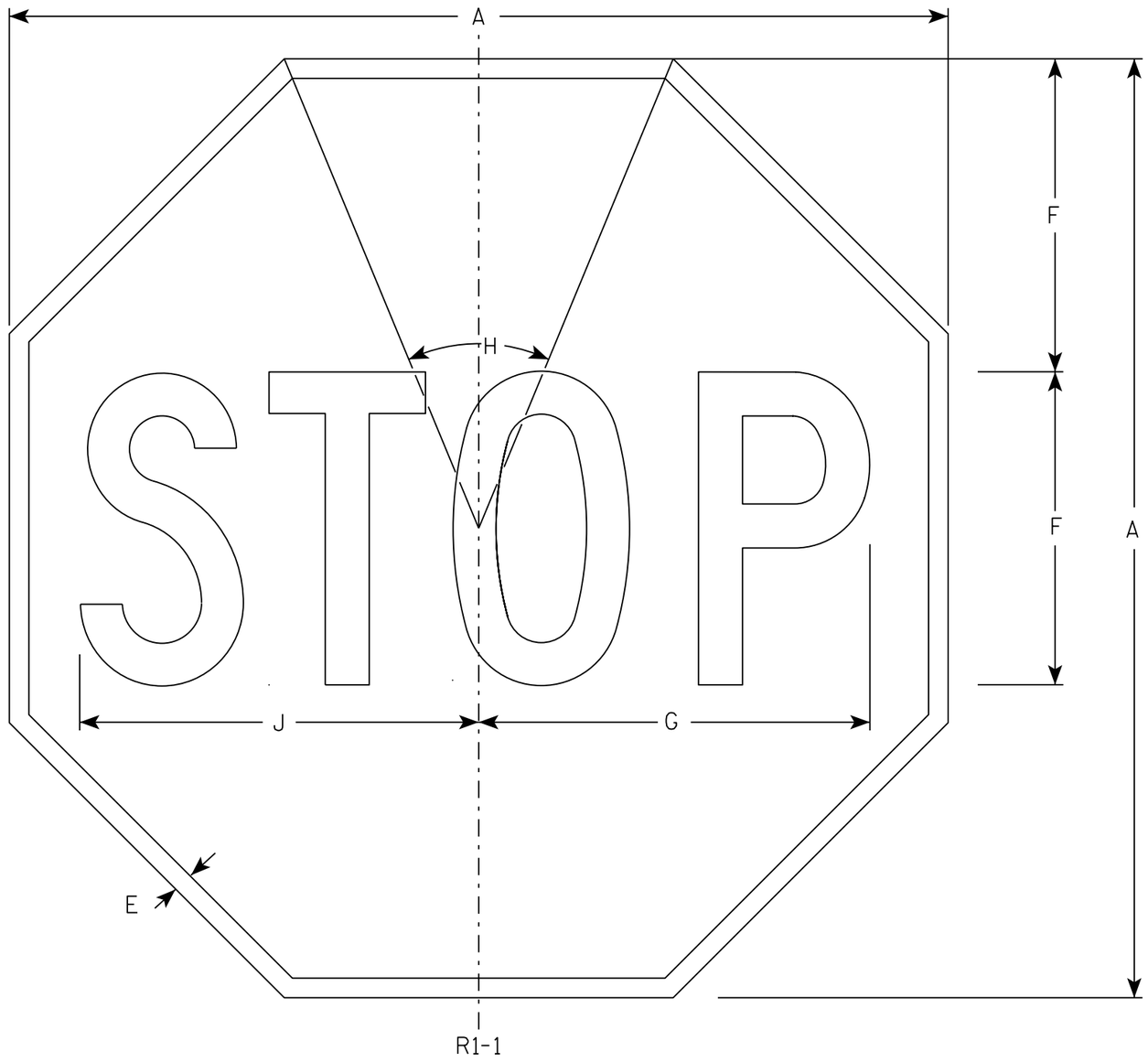
STANDARD SIGN
M6-4 & M6-6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 315 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

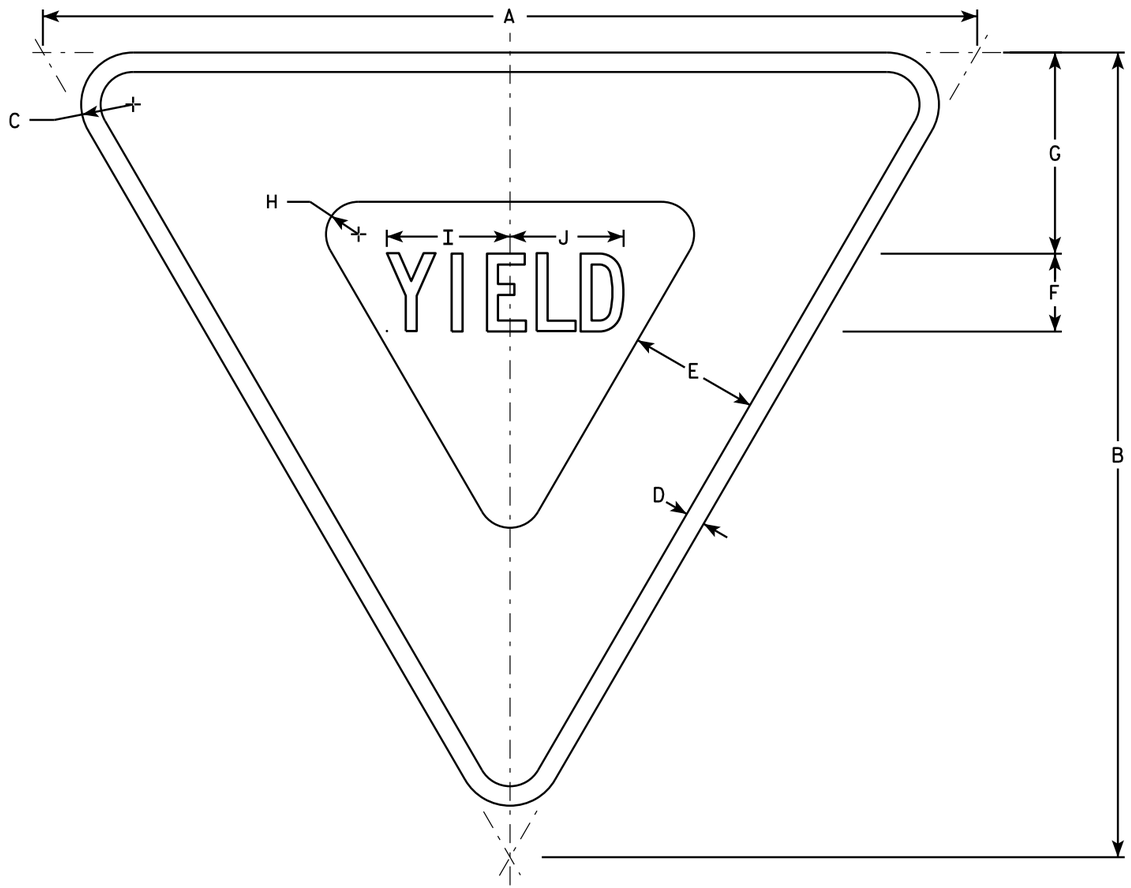
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 316	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

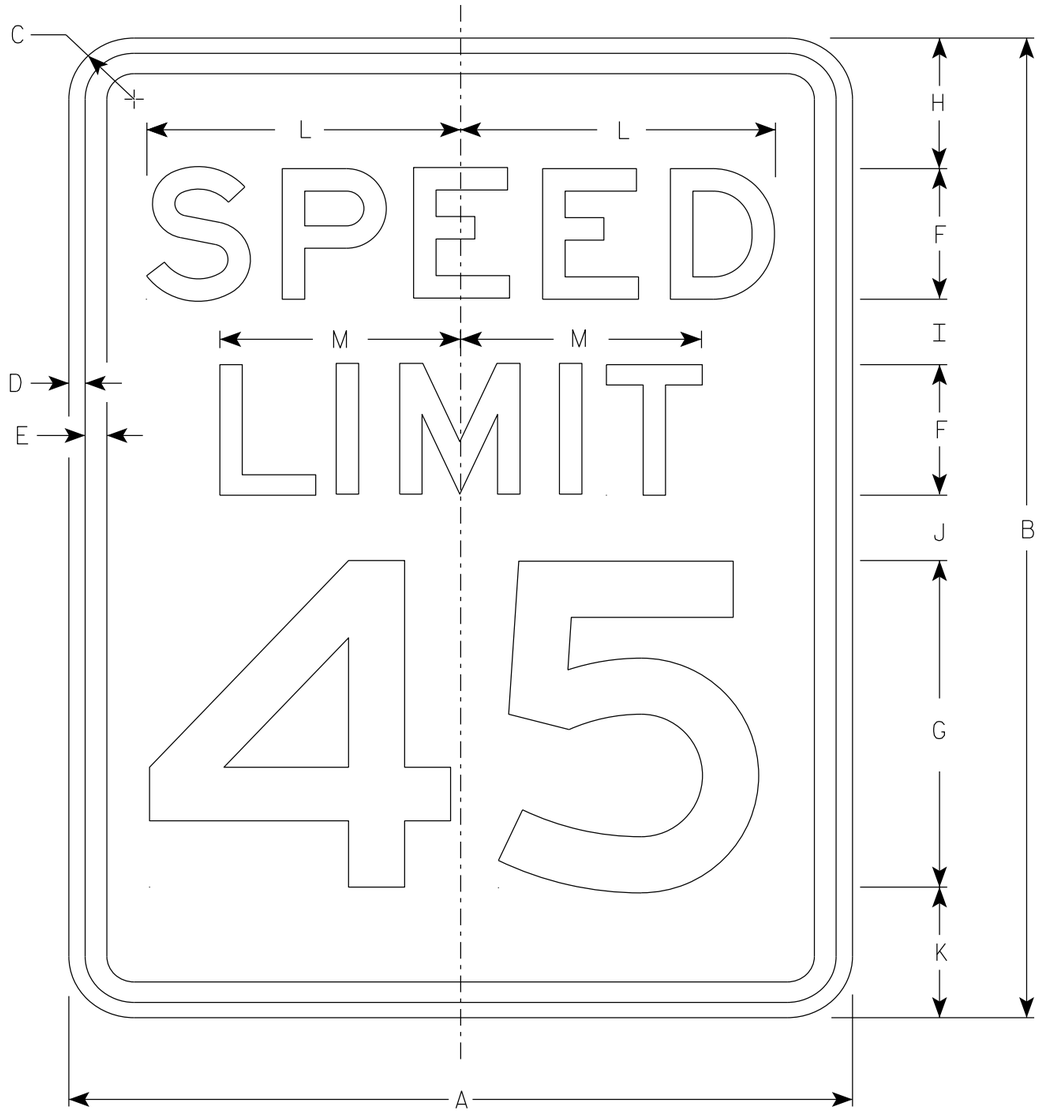
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

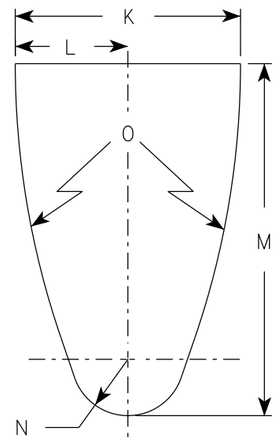
DATE 2/1/23 PLATE NO. R2-1.14

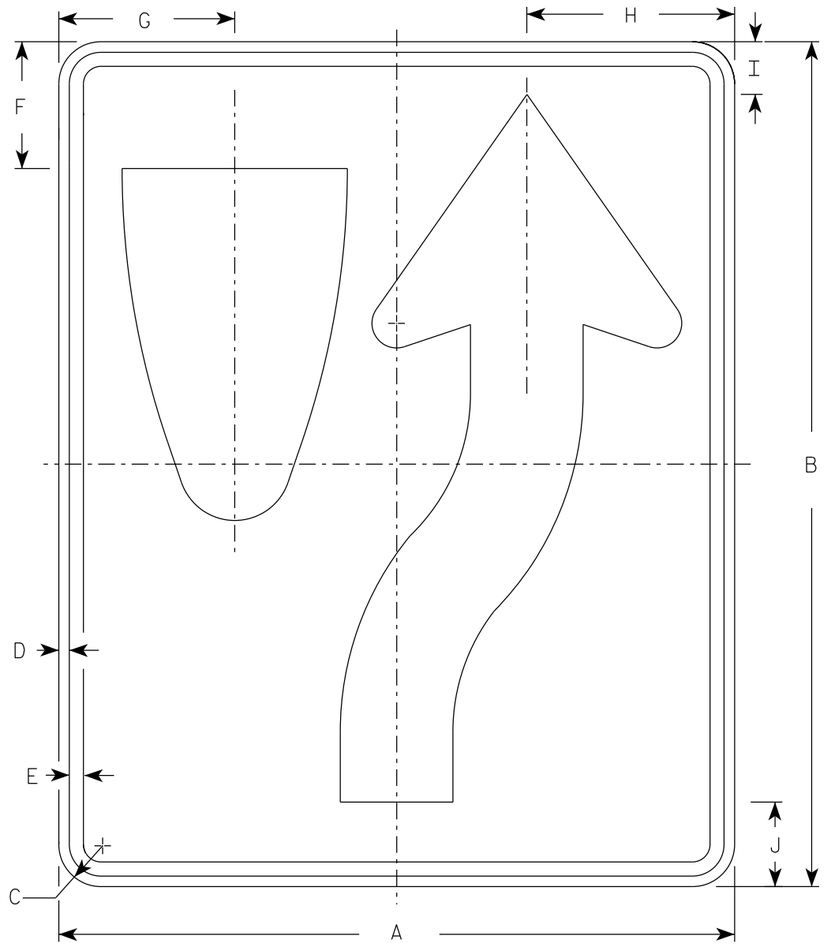
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 318 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. R4-8 is the same as R4-7 except Legend is reversed.

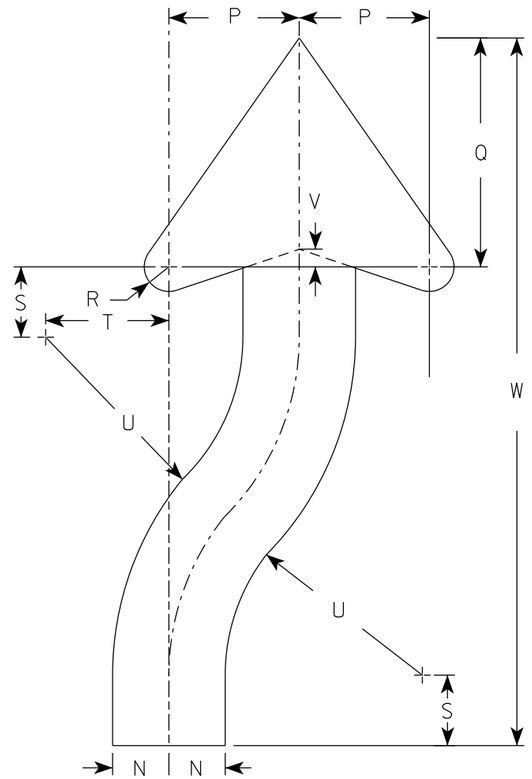
DIVIDER DETAIL





R4-7

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	3	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

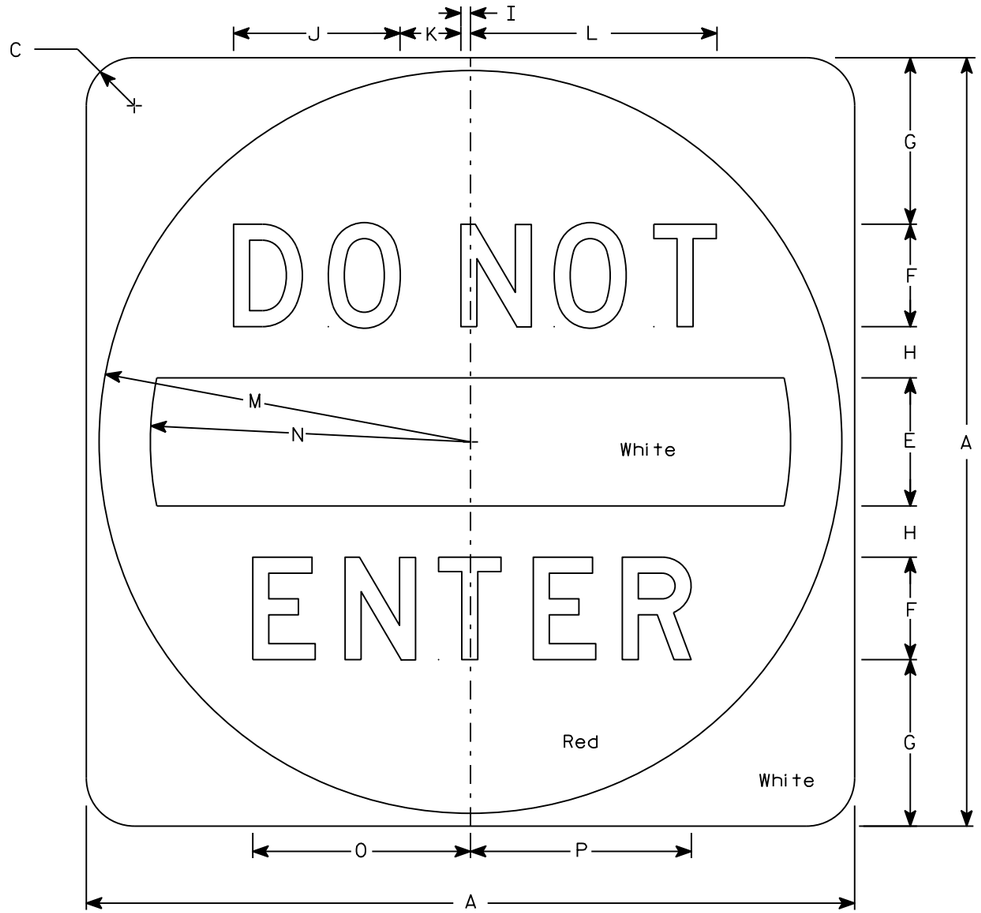
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 319	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

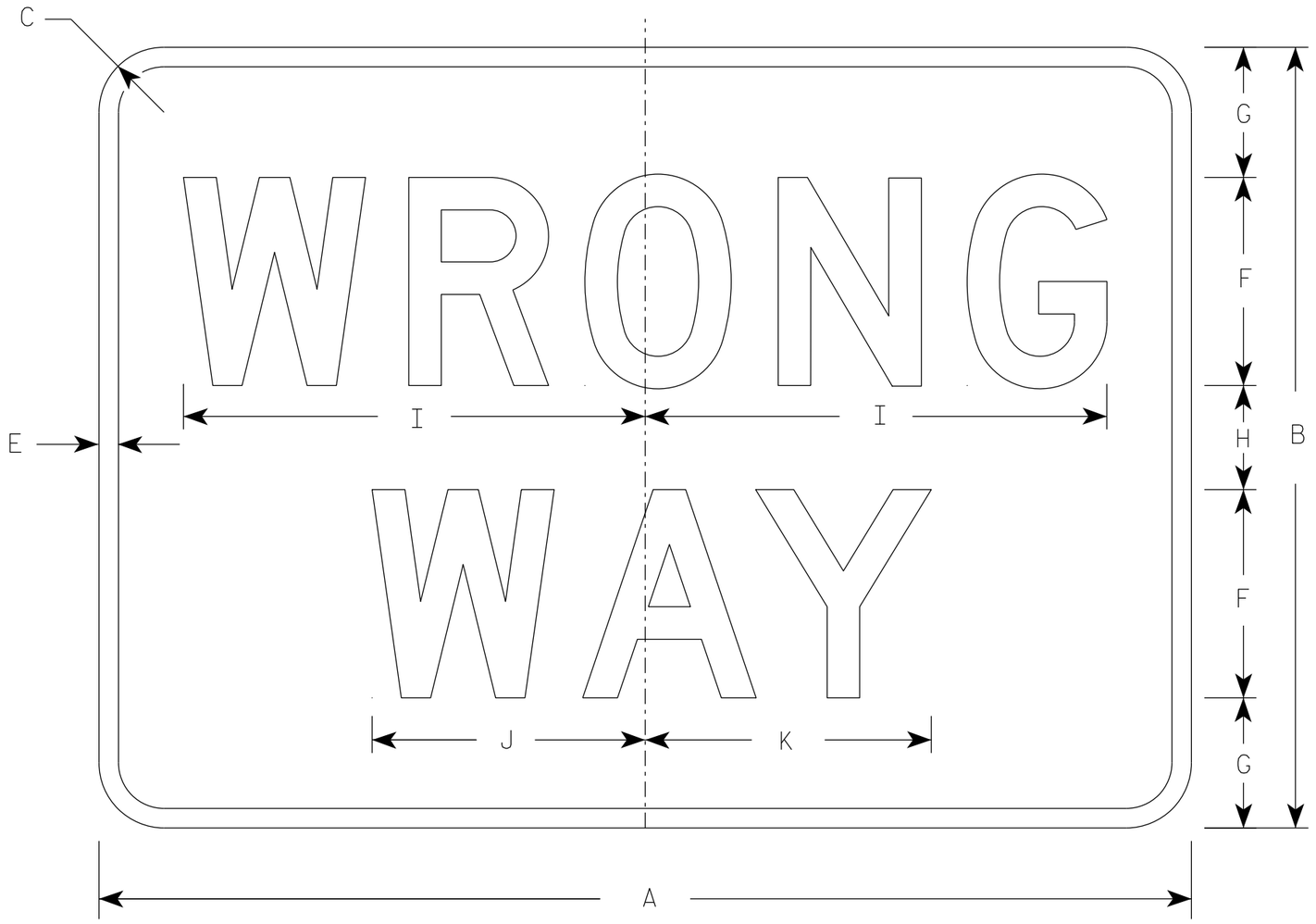
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 320 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

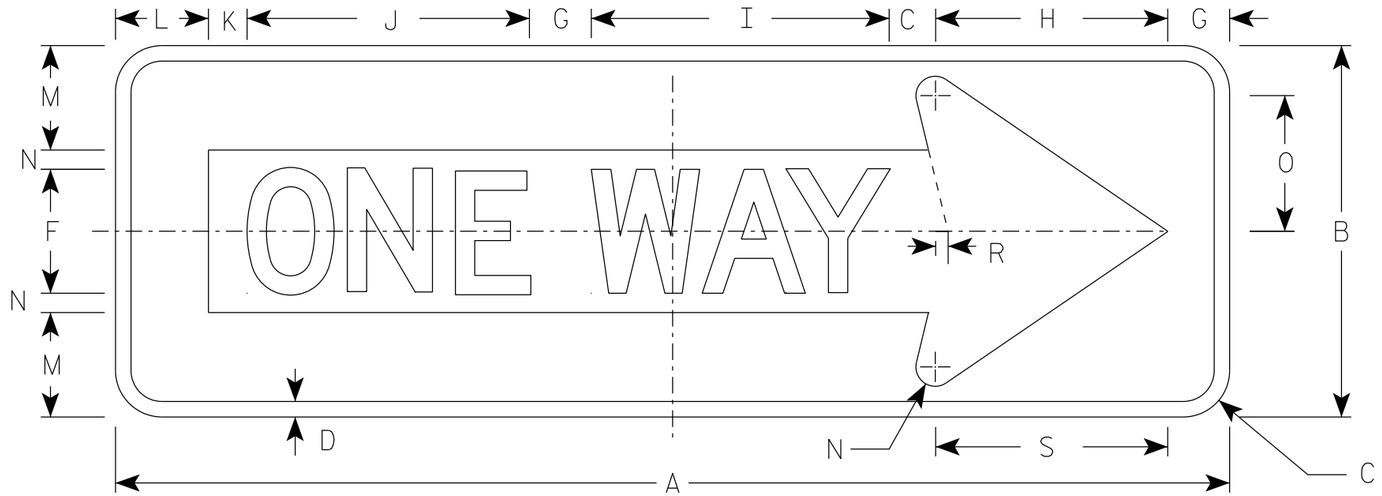
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-1A.3

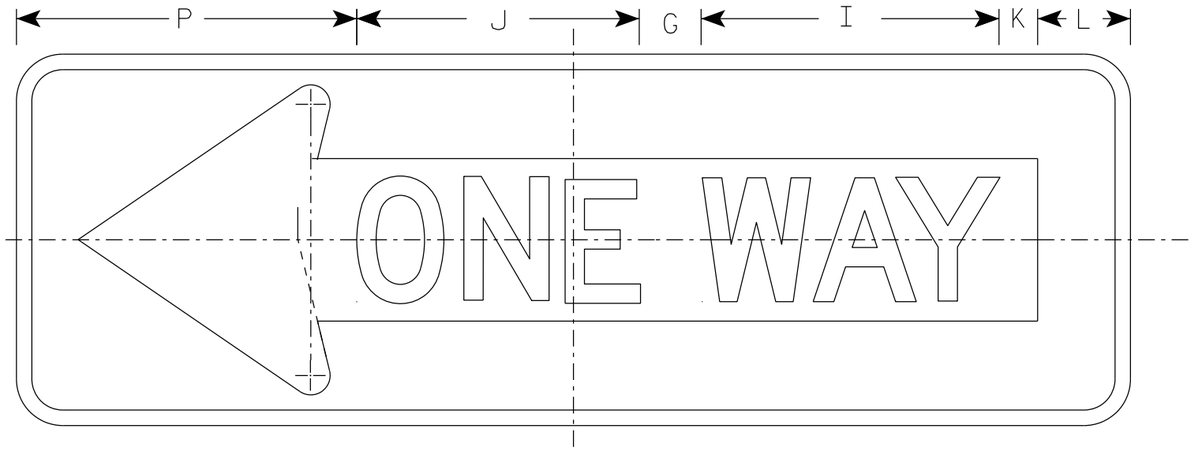
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 321 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Black
   Message - Black Legend & White Arrow & Border
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	1 ½	¾		6	3	11 ¼	13 ⅝	14 ½	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	1 ½	¾		6	3	11 ¼	13 ⅝	14 ½	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	1 ½	¾		6	3	11 ¼	13 ⅝	14 ½	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

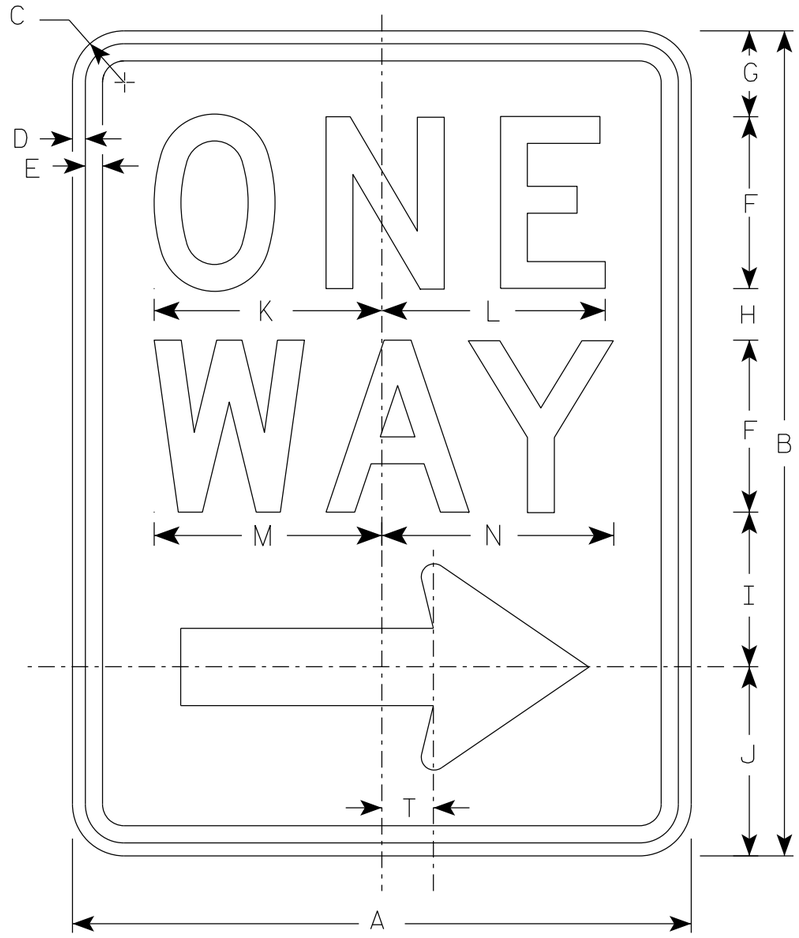
DATE 8/30/23 PLATE NO. R6-1.4

PROJECT NO:

SHEET NO: 322 E

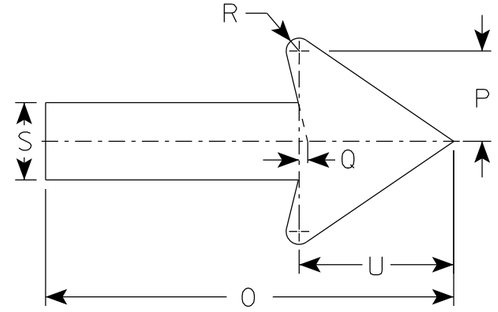
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

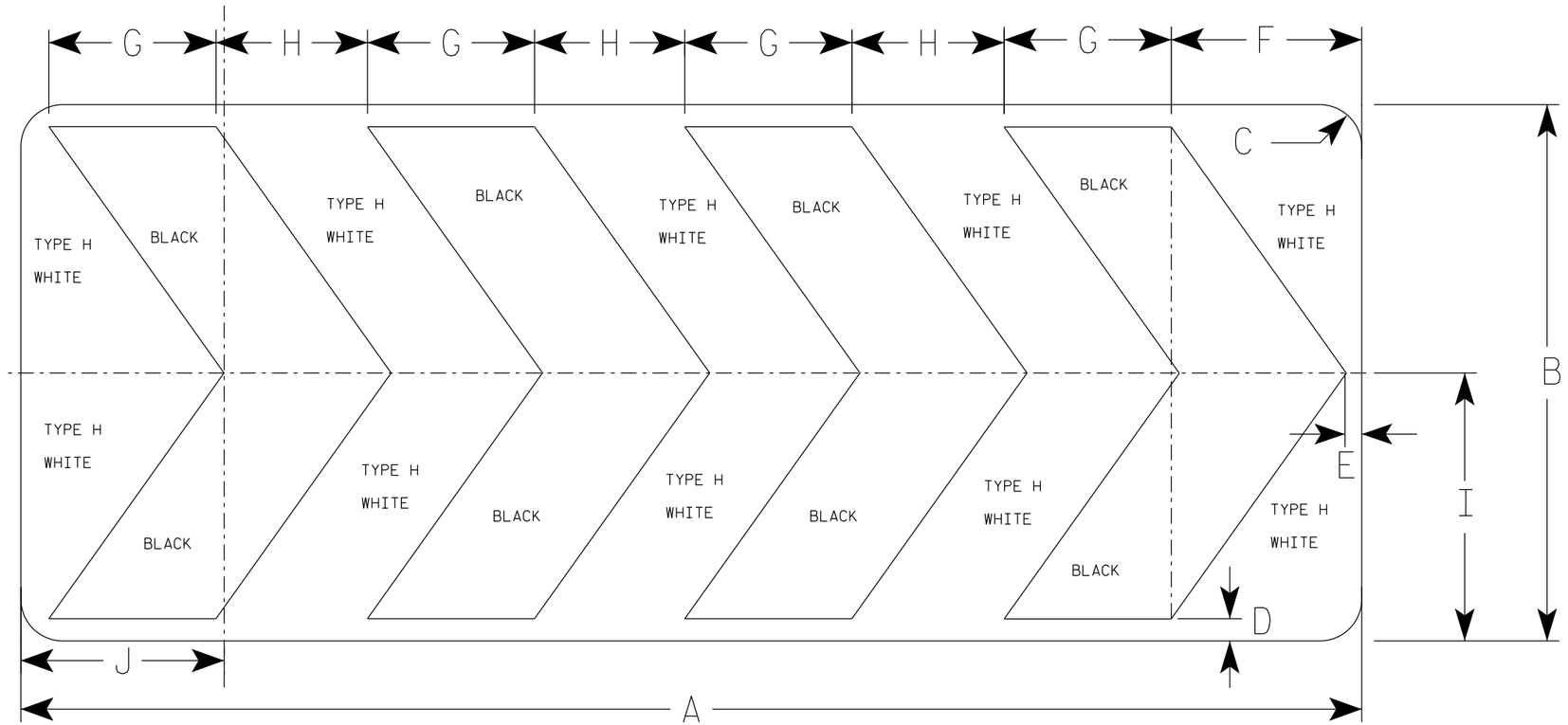
DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 323 | E

7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

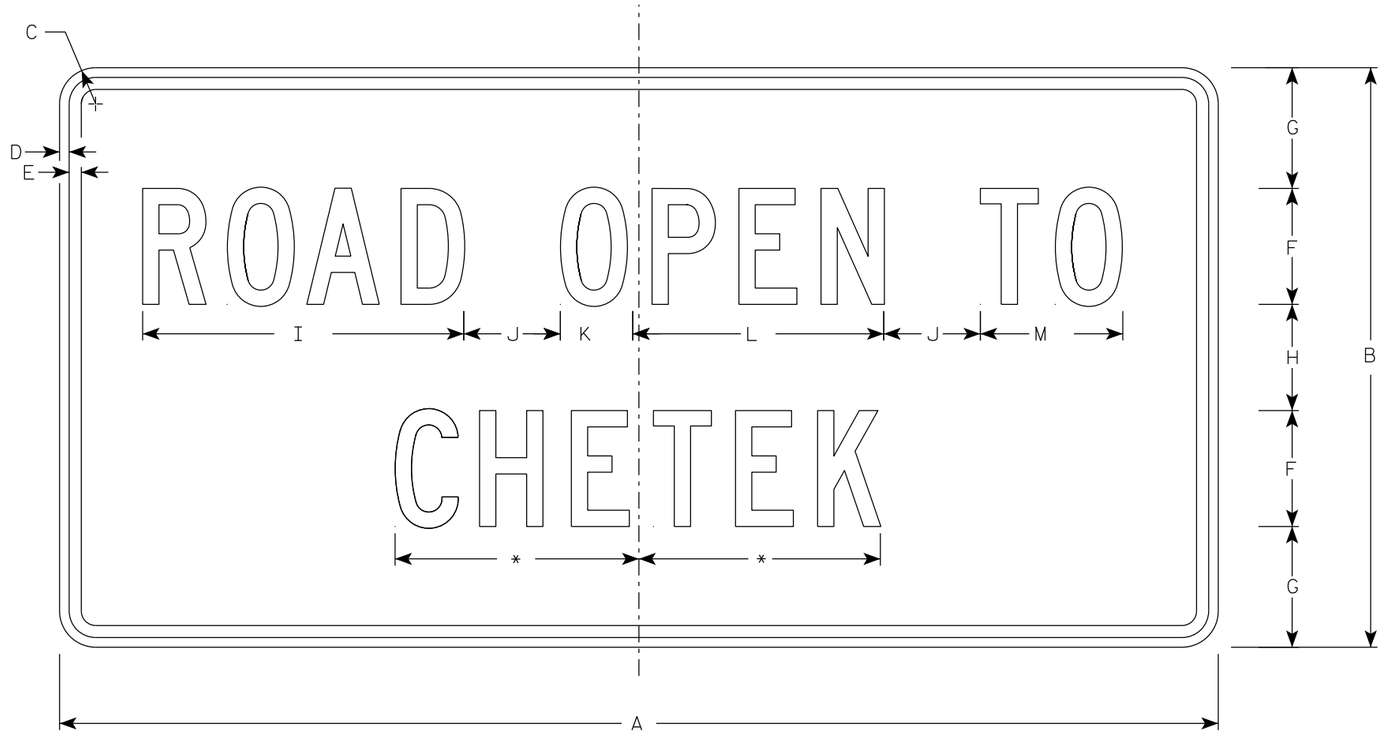
DATE 10/26/23 PLATE NO. R6-4.4

PROJECT NO: | SHEET NO: 324 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R64B.dgn PLOT DATE : 26-OCT 2023 1:36 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

7



R10-61

*See note 5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate message and optically balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/2	1/2	5/8	4	5 1/2	5	10 3/4	2	2 1/8	8 3/8	4 5/8														6.0
2S	60	30	1 7/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
2M	60	30	1 7/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
3																											
4																											
5																											

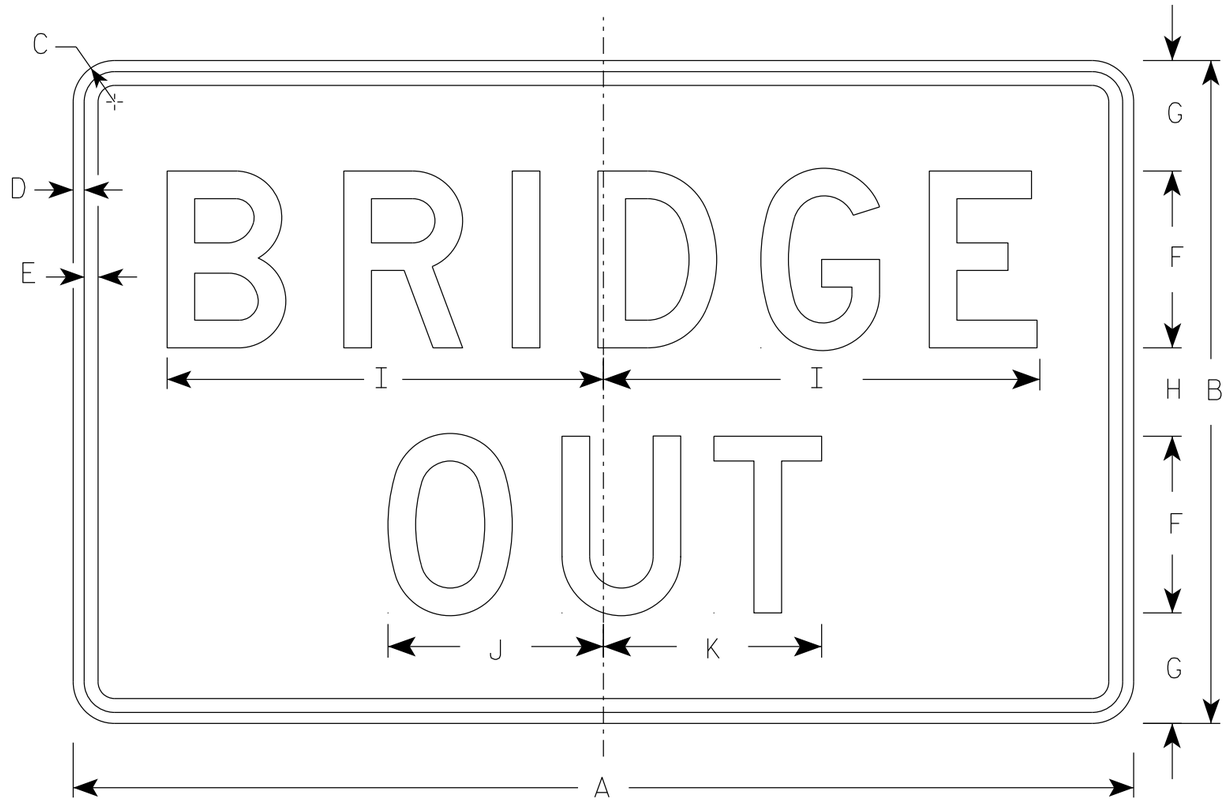
STANDARD SIGN
R10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R10-61.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 325	E



R11-2B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0

STANDARD SIGN
R11-2B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

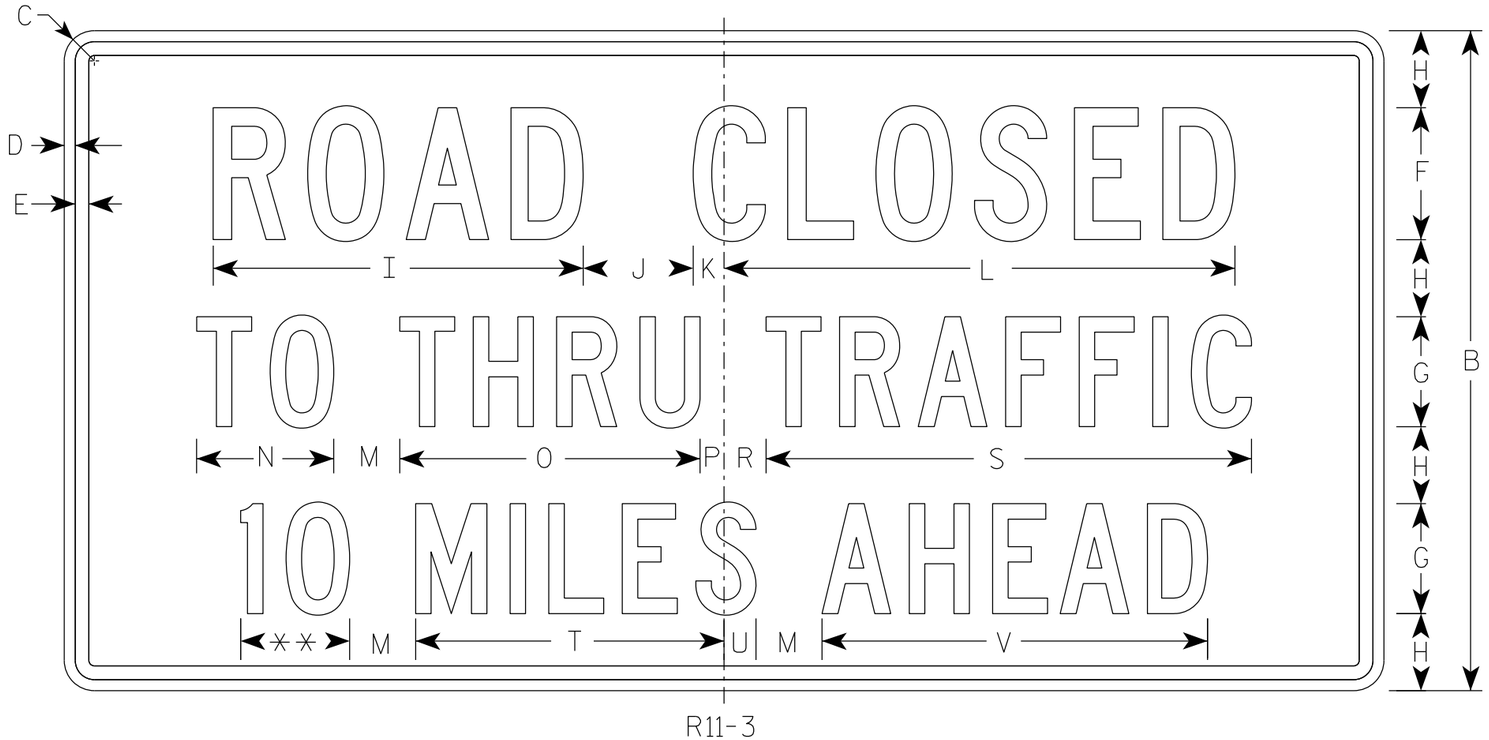
DATE 2/5/24 PLATE NO. R11-2B.3

PROJECT NO:

SHEET NO: 326 E

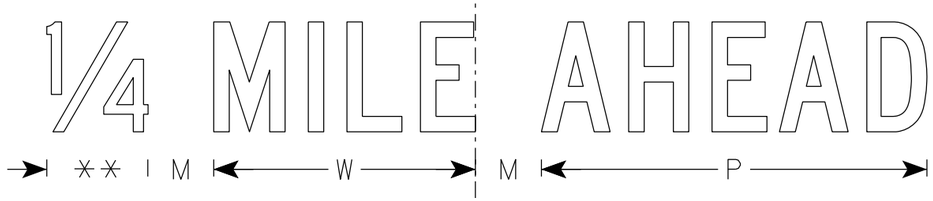
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

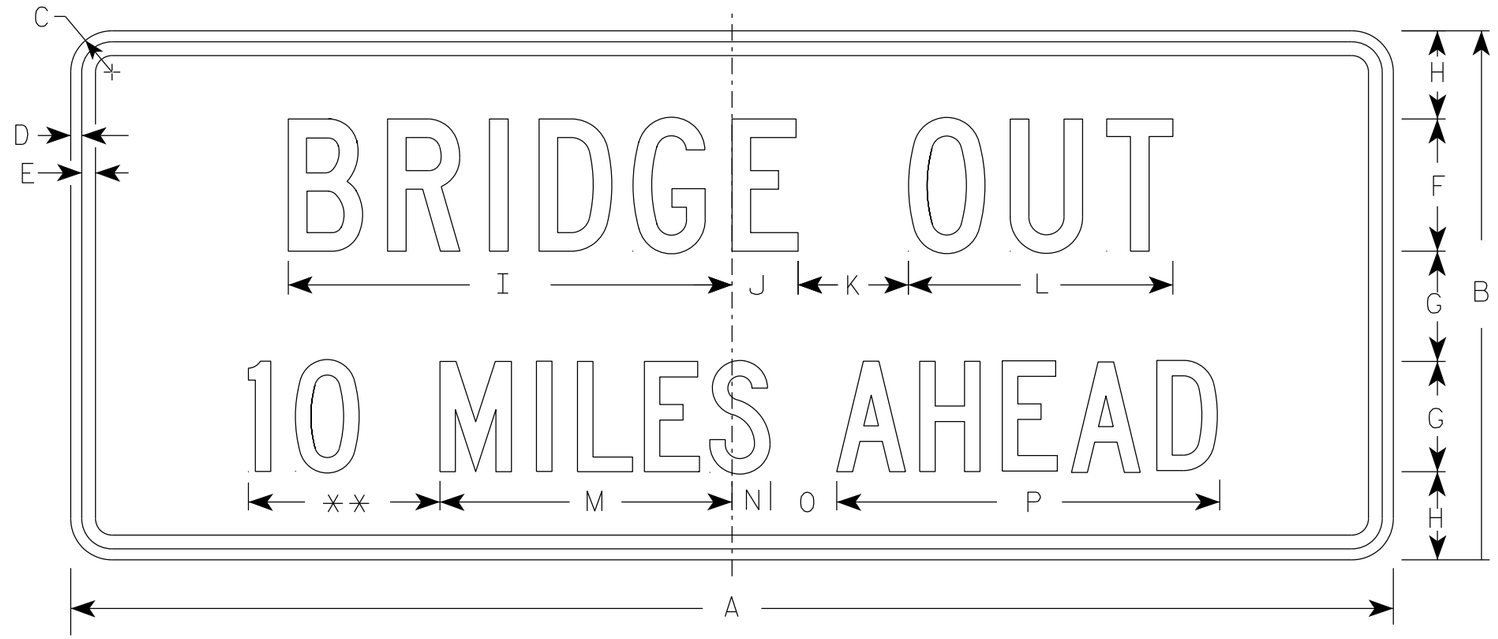
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 327 | E

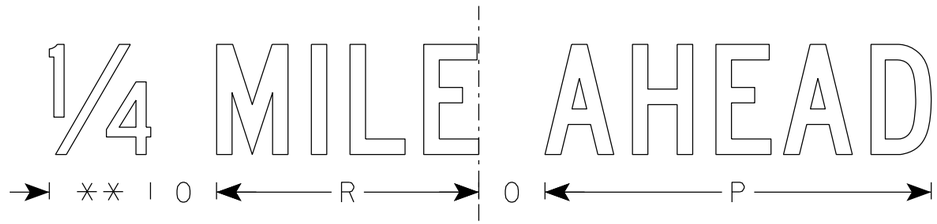
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3C

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	15	1 1/2	1/2	5/8	4	3	2 1/2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4		7 1/8									3.75
2S	60	24	1 7/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
2M	60	24	1 7/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8		11 7/8									10.0
3																											
4																											
5																											

STANDARD SIGN
R11-3C

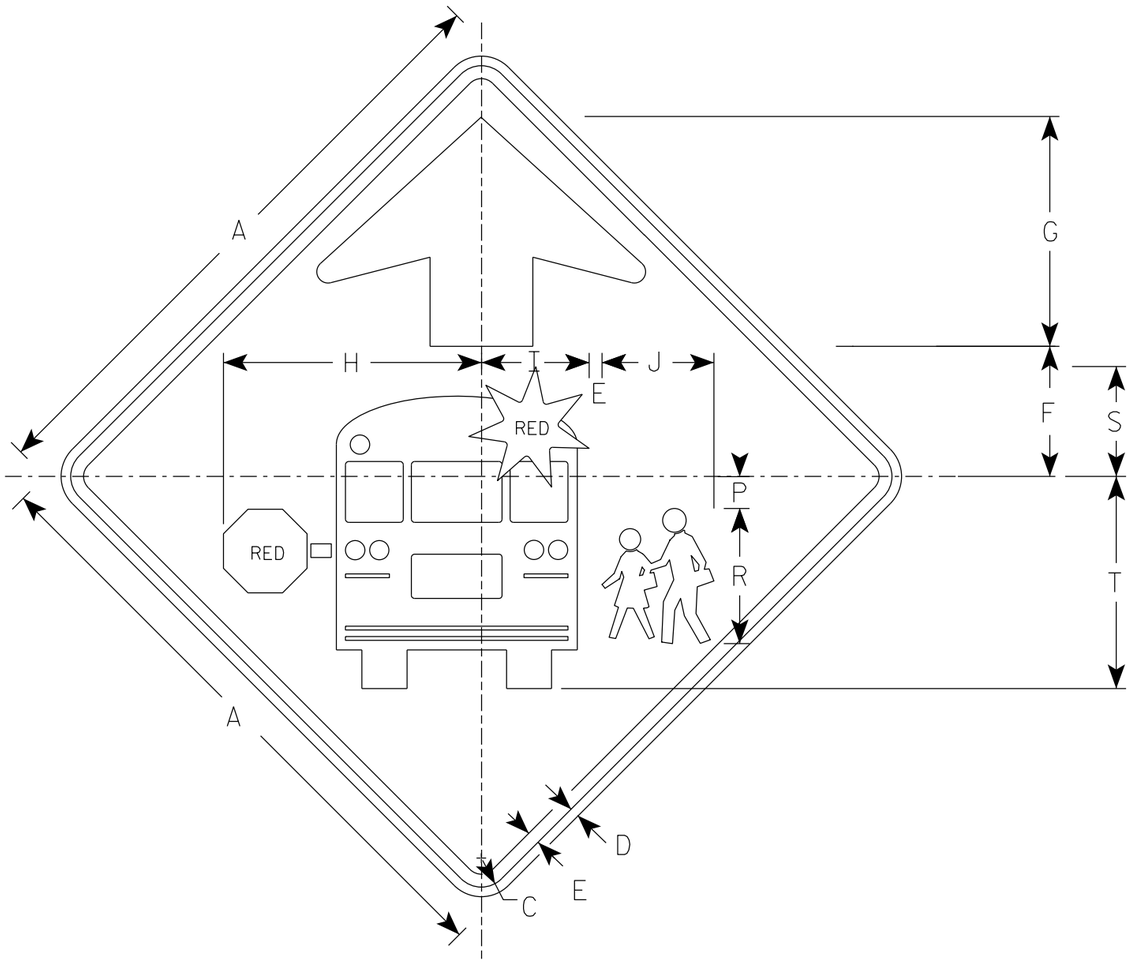
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3C.4

PROJECT NO:

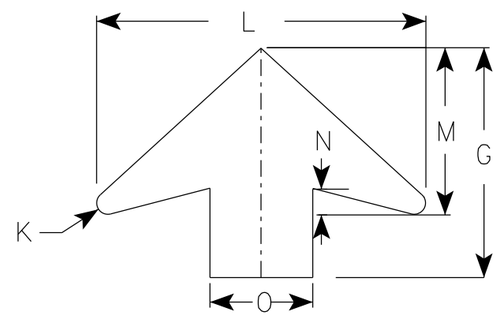
SHEET NO: 328 E



S3-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - YELLOW-GREEN
   Message - BLACK except as noted
   Circles except PEDS- RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 1/2	1/2	16	8	1 1/4	5	1 1/2		6 5/8	5 3/8	10 3/8							6.25
2S	36		2 1/4	5/8	3/4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 5/8	6	1 7/8		7 7/8	6 3/8	12 3/8							9.0
2M	36		2 1/4	5/8	3/4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 5/8	6	1 7/8		7 7/8	6 3/8	12 3/8							9.0
3	48		3	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		3	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

STANDARD SIGN
S3-1

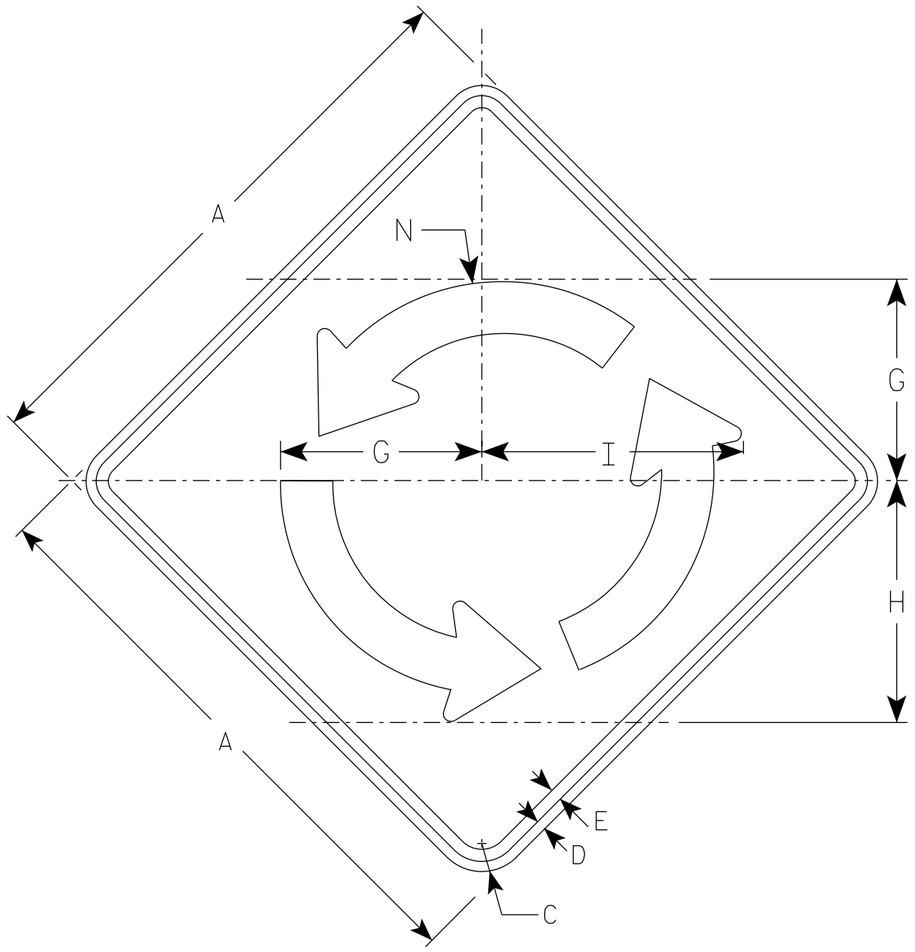
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/22/2023 PLATE NO. S3-1.7

PROJECT NO:

SHEET NO: 329 E

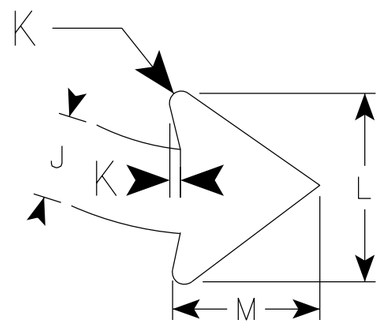


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 7/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 7/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		2 1/4	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		3	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

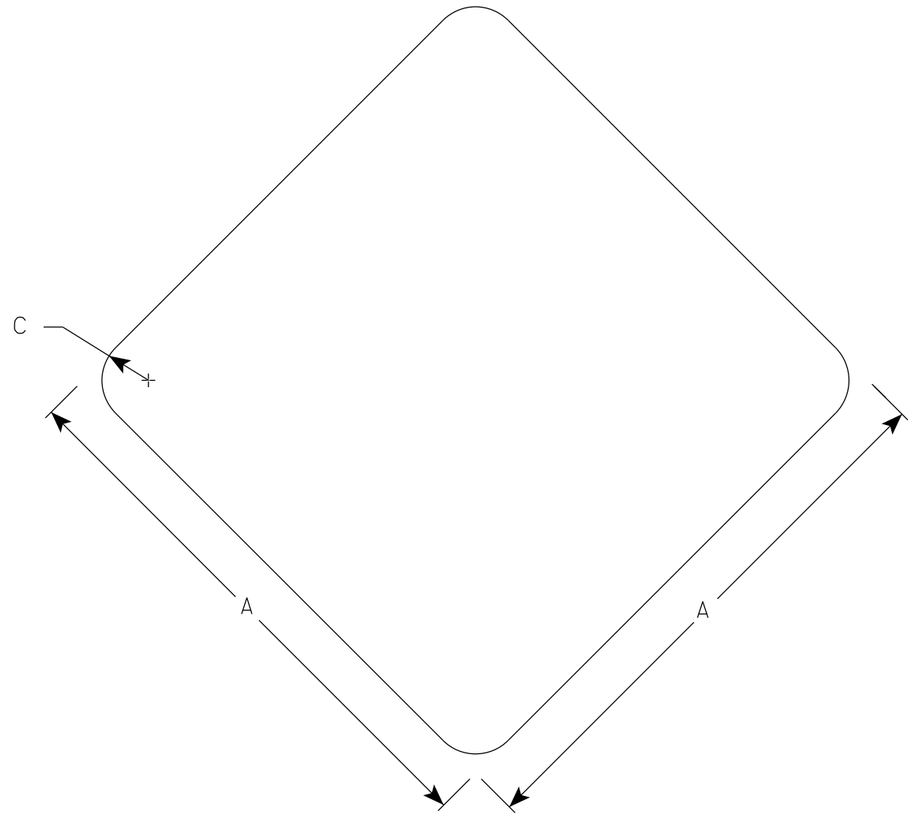
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W2-6.8

PROJECT NO:

SHEET NO: 330 E



W5-54

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12		1 ½																								1.0
2S	18		1 ½																								2.25
2M	18		1 ½																								2.25
3																											
4																											
5																											

STANDARD SIGN
W5-54

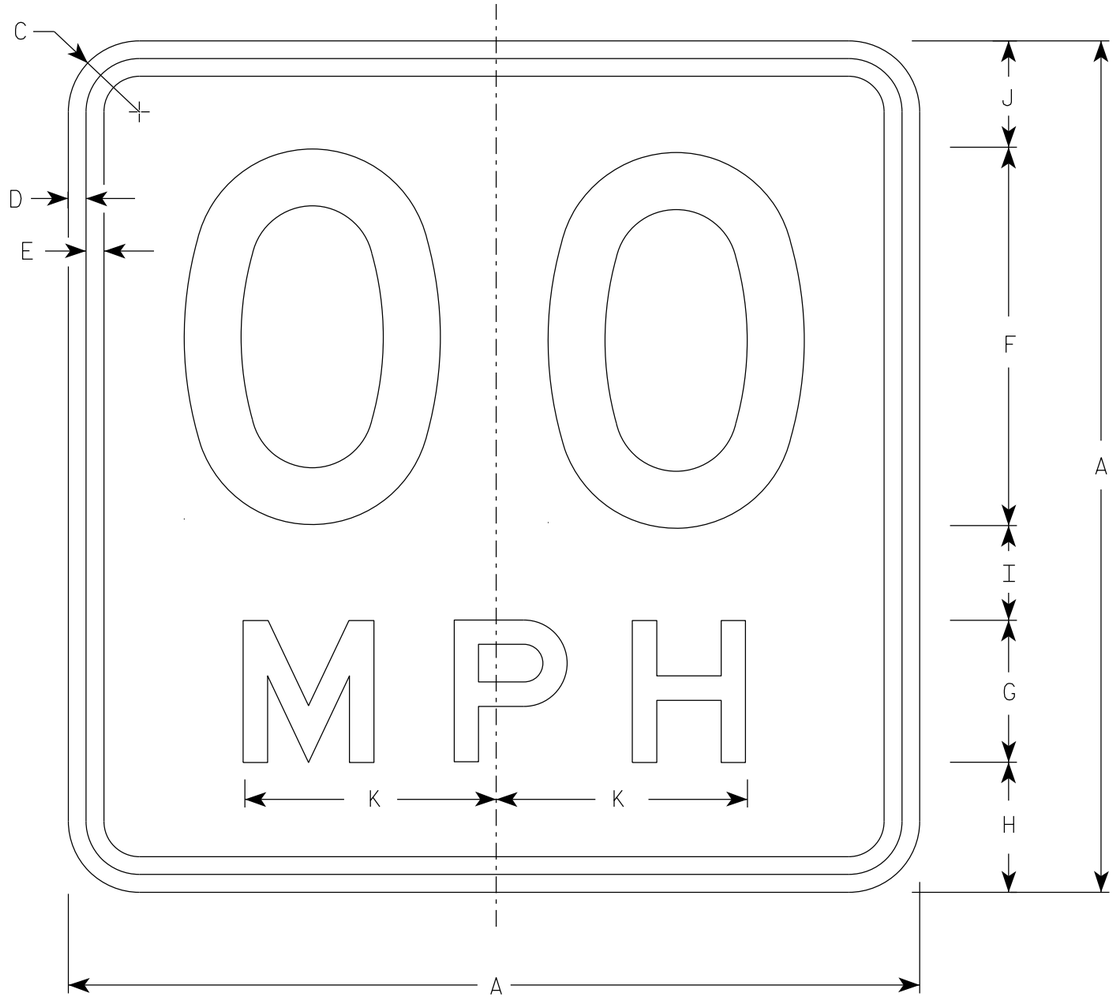
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-54.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W554.dgn PLOT DATE : 5-MARCH 2024 11:55 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 5
4. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
5. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

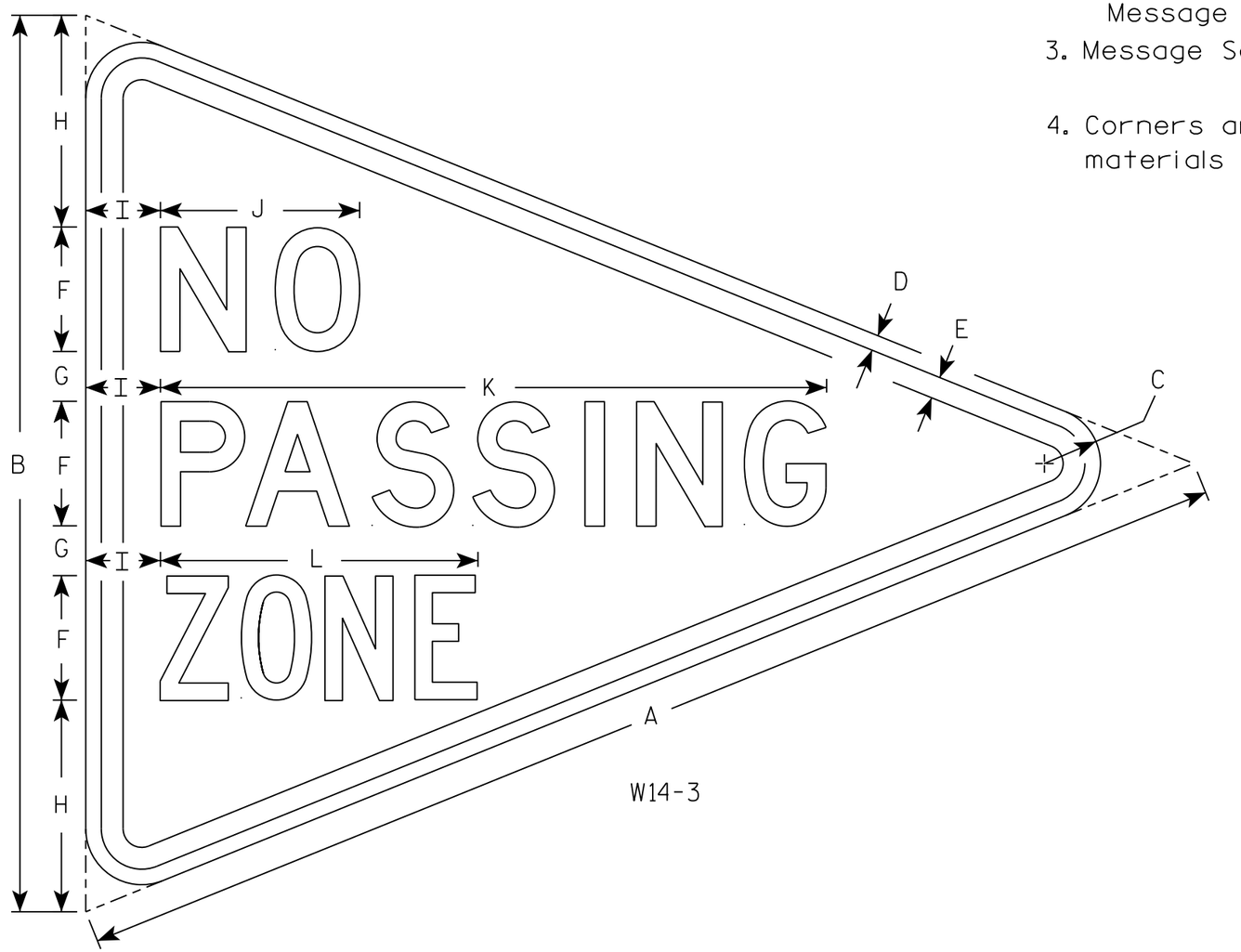
DATE 1/8/2024 PLATE NO. W13-1.17

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W131.dgn PLOT DATE : 8-Jan 2024 11:07 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

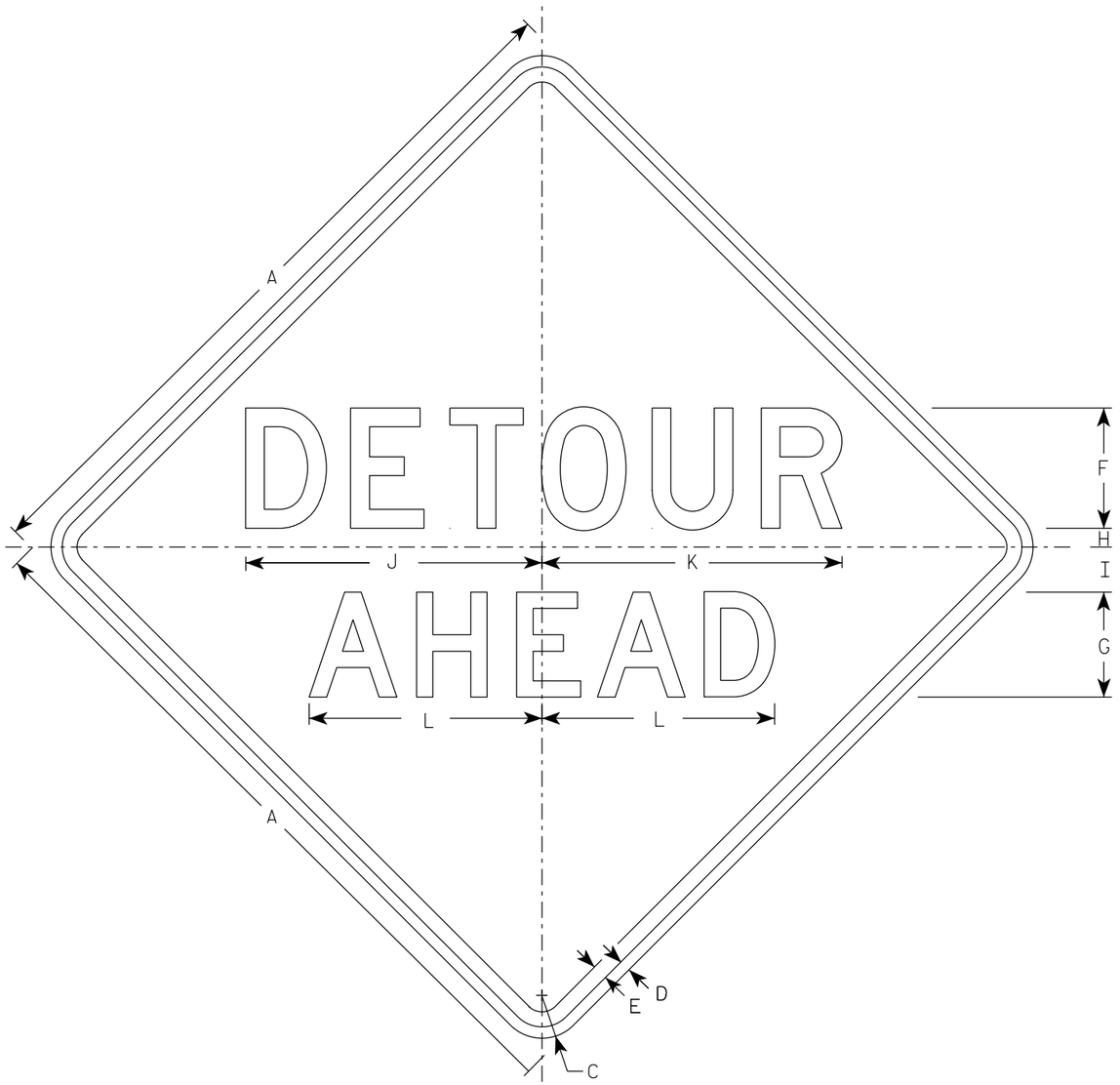
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

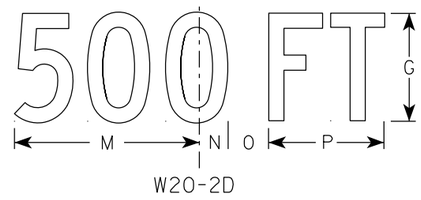
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

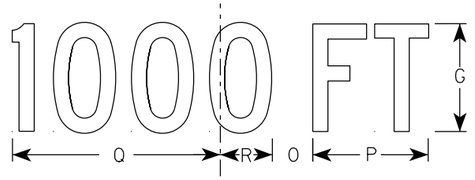
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 333 | E



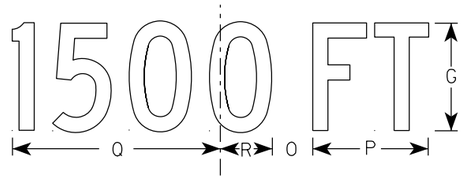
W20-2A



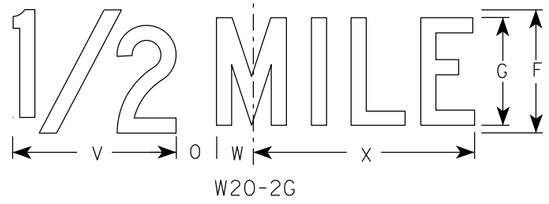
W20-2D



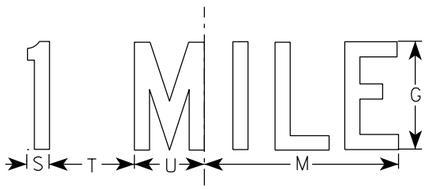
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

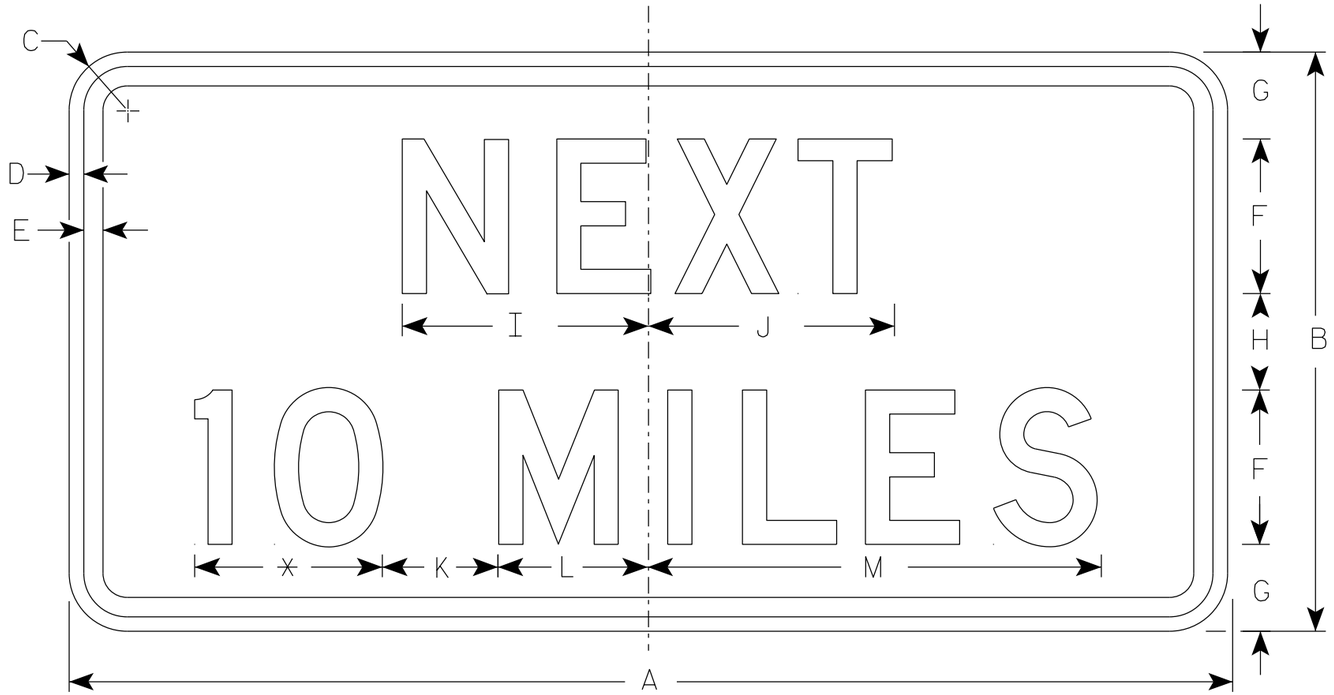
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W057-51

* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to the nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
2S	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
2M	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
3	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
4	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

STANDARD SIGN
W057-51

WISCONSIN DEPT OF TRANSPORTATION

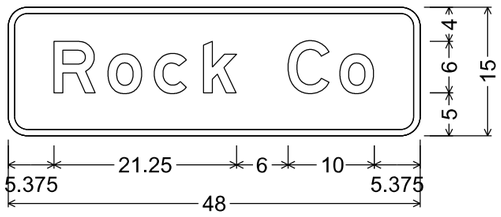
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W057-51.4

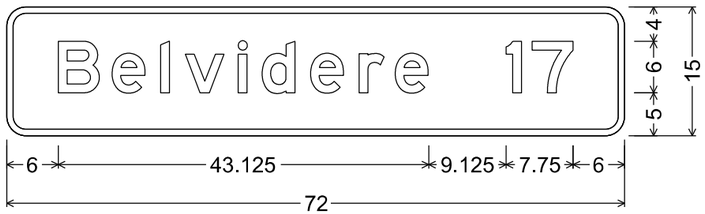
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 335	E

NOTES

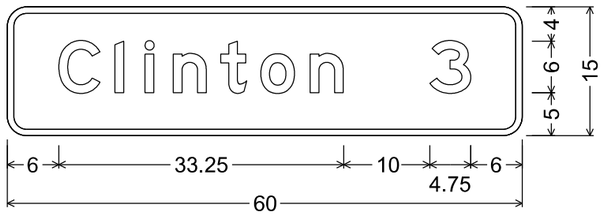
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



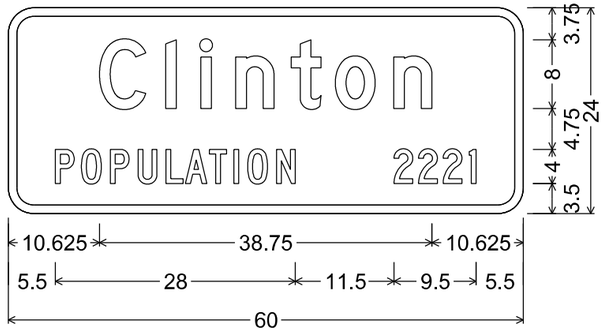
I2-2; 2.250" Radius, 0.750" Border



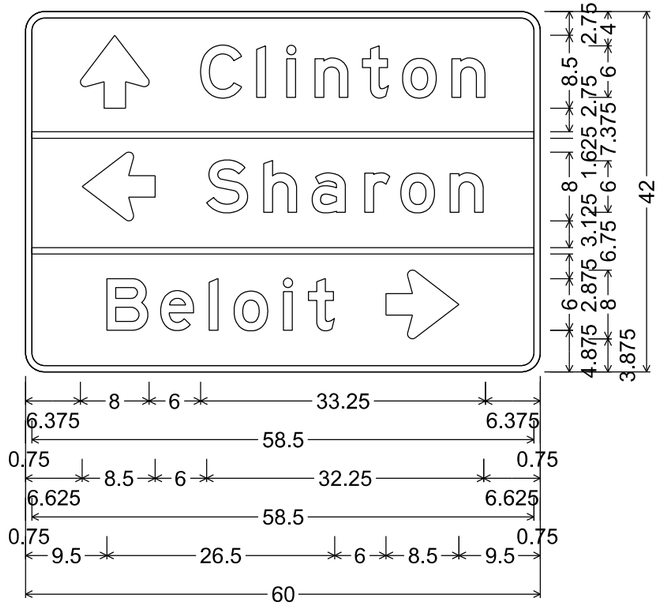
D2-1; 2.250" Radius, 0.750" Border



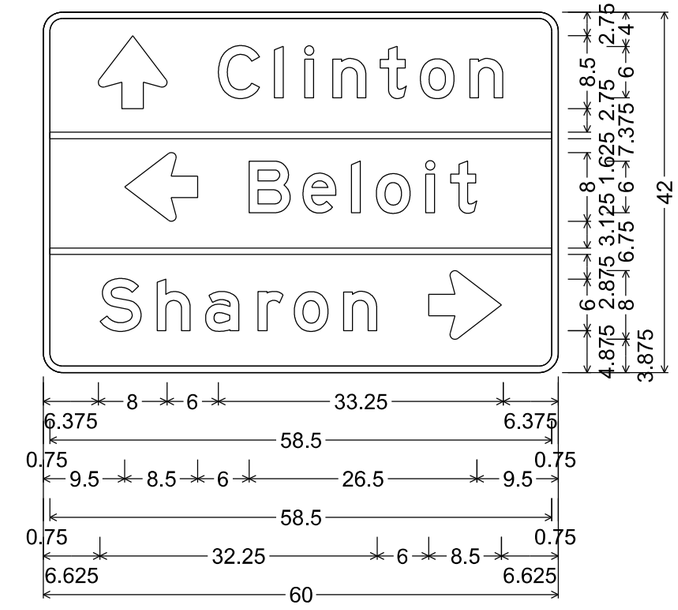
D2-1; 2.250" Radius, 0.750" Border



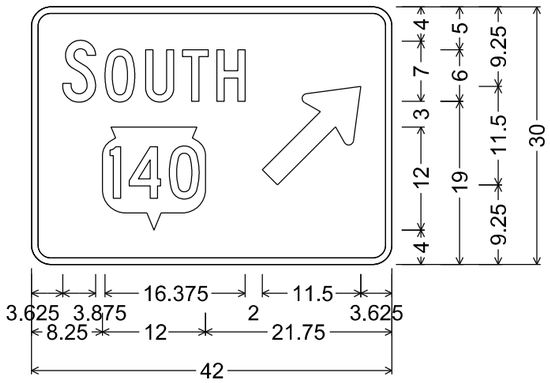
I2-3;
3.000" Radius, 1.000" Border, White on Green;
"Clinton", D;
"POPULATION", C 125% spacing; "2221", C;



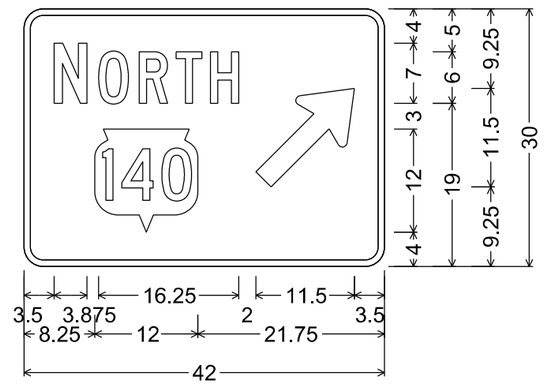
D1-3; 2.250" Radius, 0.750" Border



D1-3; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border
"SOUTH", C



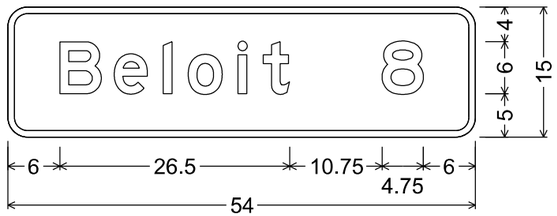
D1-1; 2.250" Radius, 0.750" Border
"NORTH", C

7

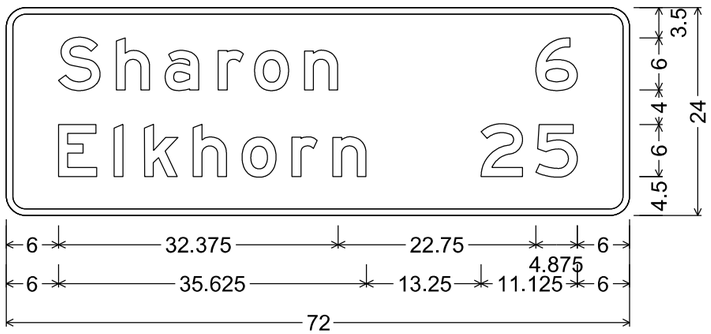
7

NOTES

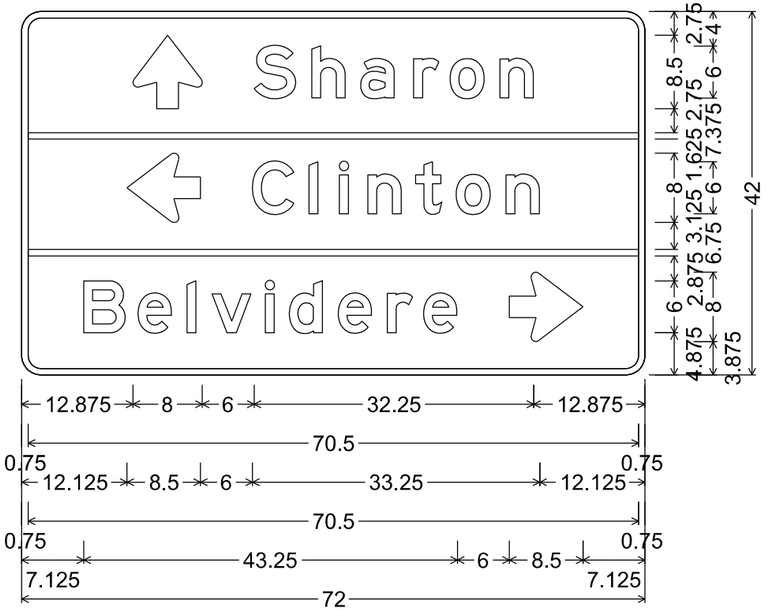
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E except as noted



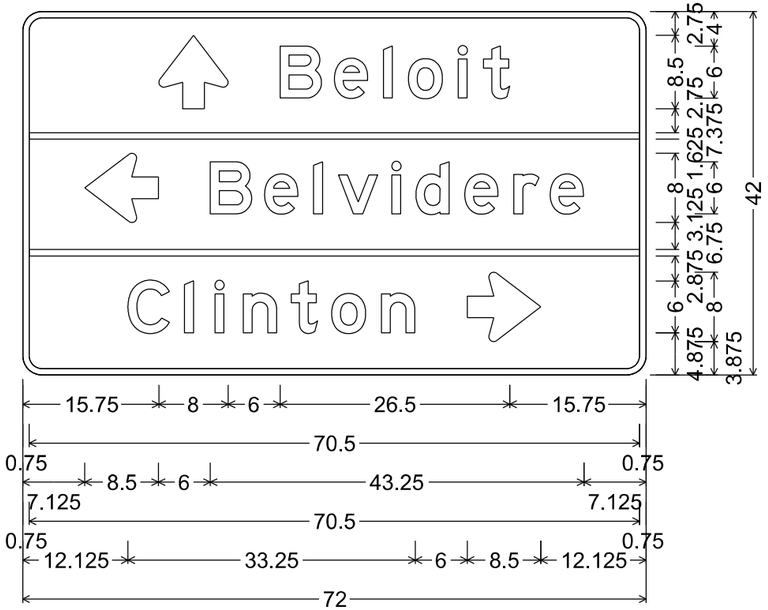
D2-1; 2.250" Radius, 0.750" Border



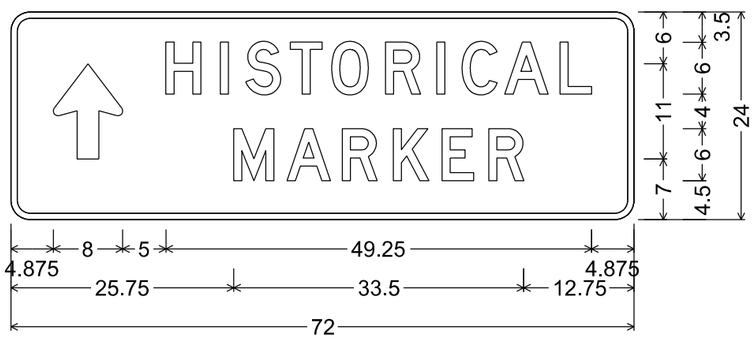
D2-2; 2.250" Radius, 0.750" Border



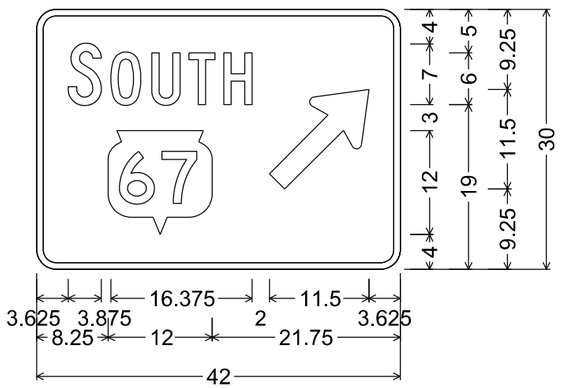
D1-3; 2.250" Radius, 0.750" Border



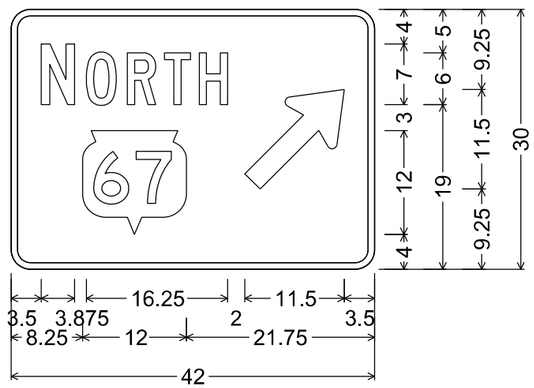
D1-3; 2.250" Radius, 0.750" Border



D5-64A; 2.250" Radius, 0.750" Border, White on Brown;
"HISTORICAL", D; "MARKER", D



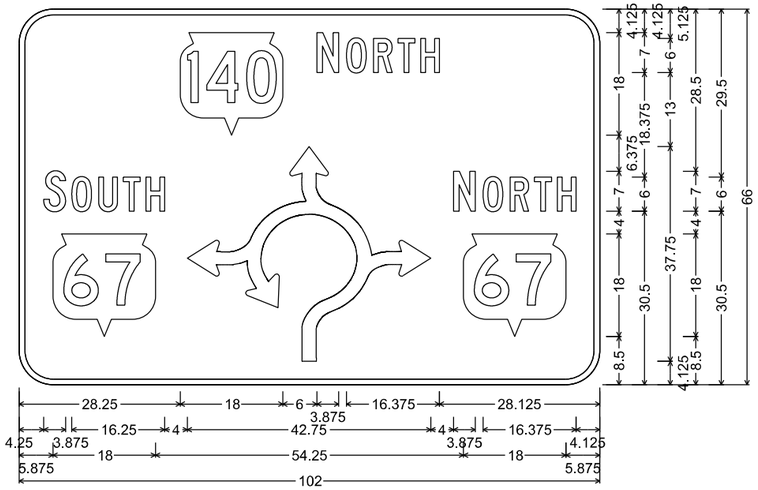
D1-1; 2.250" Radius, 0.750" Border
"SOUTH", C



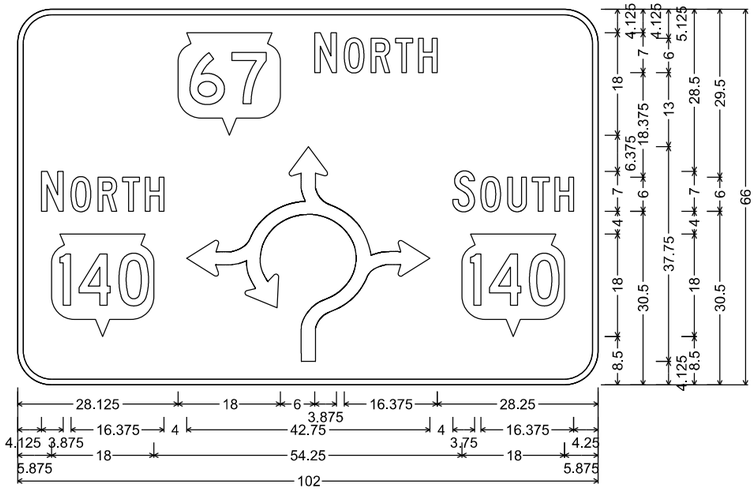
D1-1; 2.250" Radius, 0.750" Border
"NORTH", C

NOTES

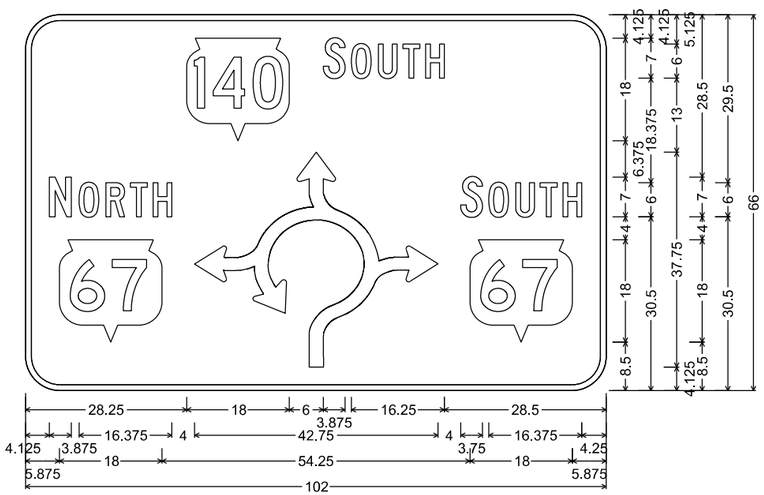
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C



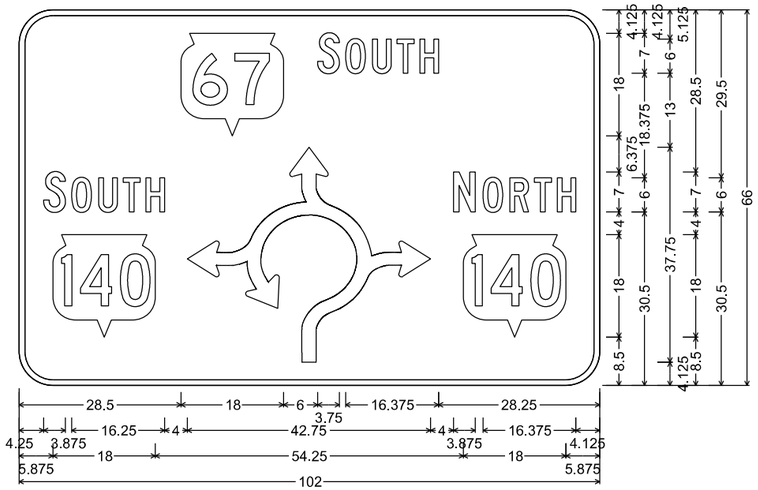
D1-62; 6.000" Radius, 1.000" Border
"NORTH", C; "SOUTH", C; "NORTH", C



D1-62; 6.000" Radius, 1.000" Border
"NORTH", C; "NORTH", C; "SOUTH", C

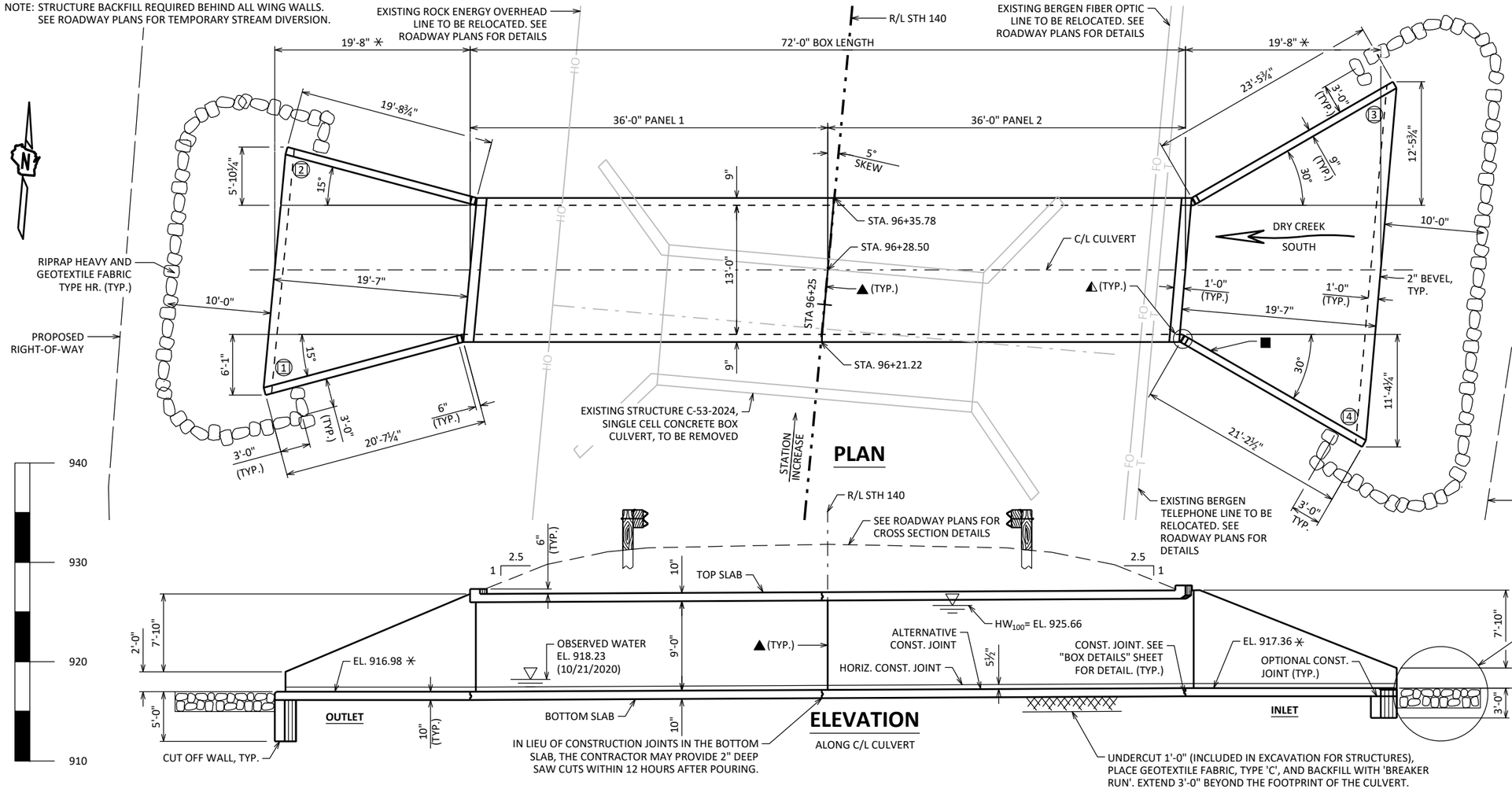


D1-62; 6.000" Radius, 1.000" Border
"SOUTH", C; "NORTH", C; "SOUTH", C



D1-62; 6.000" Radius, 1.000" Border
"SOUTH", C; "SOUTH", C; "NORTH", C

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS. SEE ROADWAY PLANS FOR TEMPORARY STREAM DIVERSION.



STATE PROJECT NUMBER

3320-02-70

- ▲ SEE CORNER DETAILS ON "DETAILS" SHEET
- ■ NAME PLATE LOCATION (SEE "DETAILS" SHEET)
- ✳ BUILD APRON AND END OF BOX LEVEL
- ⬭ INDICATES WING NUMBER
- ▲ VERT. CONST. JOINT (TYP.)

LIST OF DRAWINGS:

1	LAYOUT
2	BOX DETAILS
3	APRON DETAILS
4	DETAILS
5	SUBSURFACE EXPLORATION

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.49
OPERATING RATING: RF = 1.93
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 255 (KIPS)

EARTH LOAD:

DESIGNED FOR 4 TO 5 FT. OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY: ——— f'_c = 3,500 PSI
BAR STEEL REINFORCEMENT: ——— f_y = 60,000 PSI

HYDRAULIC DATA

100-YEAR FREQUENCY:
Q_{100}= 770 C.F.S.
V_{100}= 10.9 F.P.S.
HW_{100}= EL. 925.66
WATERWAY AREA = 117 SQ. FT.
DRAINAGE AREA = 2.3 SQ. MI.
ROADWAY OVERTOPPING N/A
SCOUR CRITICAL CODE = 8

2-YEAR FREQUENCY:
Q_2= 140 C.F.S.
V_2= 4.4 F.P.S.
HW_2= EL. 920.39

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
☆	203.0211.S	ABATEMENT OF ASBESTOS CONTAINING MATERIAL C-53-2024	EACH	1
	203.0250	REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS C-53-2024	EACH	1
	206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-53-2037	EACH	1
	210.2500	BACKFILL STRUCTURE TYPE B	TON	1,540
	311.0115	BREAKER RUN	CY	97
	504.0100	CONCRETE MASONRY CULVERTS	CY	152
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	22,715
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	4,827
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	29
	606.0300	RIPRAP HEAVY	CY	64
	645.0105	GEOTEXTILE TYPE C	SY	311
	645.0120	GEOTEXTILE TYPE HR	SY	145
		NON-BID ITEMS		
		FILLER	SIZE	3/4"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE THE DETAIL SHOWN IN THE PLANS.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-53-2037" SHALL BE THE EXISTING GROUNDLINE.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO 6" BELOW TOP OF BOTTOM SLAB.

THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR THE BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

☆ ASBESTOS CONTAINING MATERIAL WAS DETECTED IN THE BLACK APSHALTIC GASKET BETWEEN THE DECK AND ABUTMENT/WINGWALL. SEE PROVISION "ABATEMENT OF ASBESTOS CONTAINING MATERIAL C-53-2024" FOR DETAILS AND QUANTITY.

TRAFFIC DATA

STH 140
ADT = 3700 (2044)
R.D.S. = 60 MPH

STRUCTURE DESIGN CONTACTS:

RYAN R. HARRIS (608) 266-2963
KYLE H. BUSCH (608) 267-0465

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED KHB 11/21/24
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-53-2037

STH 140 OVER DRY CREEK SOUTH

COUNTY	TOWN
ROCK	CLINTON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
RRH	IFC	RRH	IFC

LAYOUT

SHEET 1 OF 5
339

SCALE =

I.D. 3320-02-00A DATE: NOV. 2024

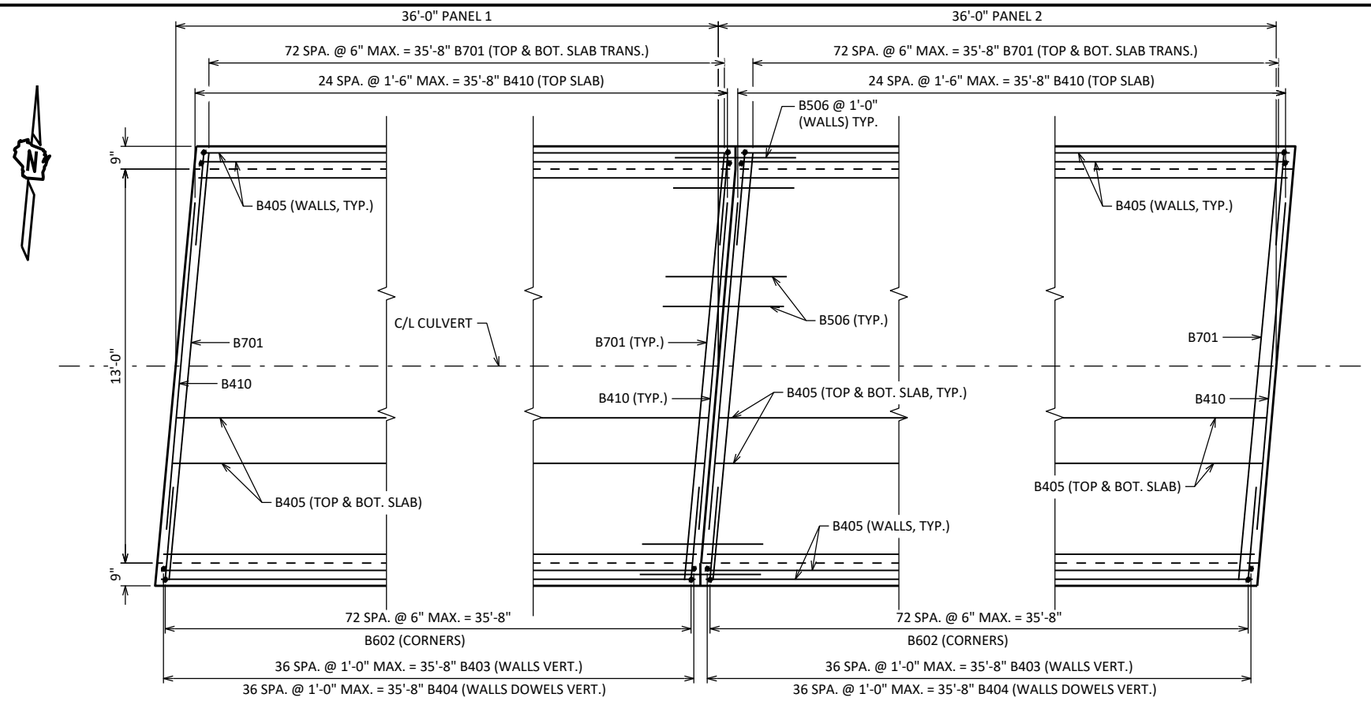
STATE PROJECT NUMBER

3320-02-70

BILL OF BARS

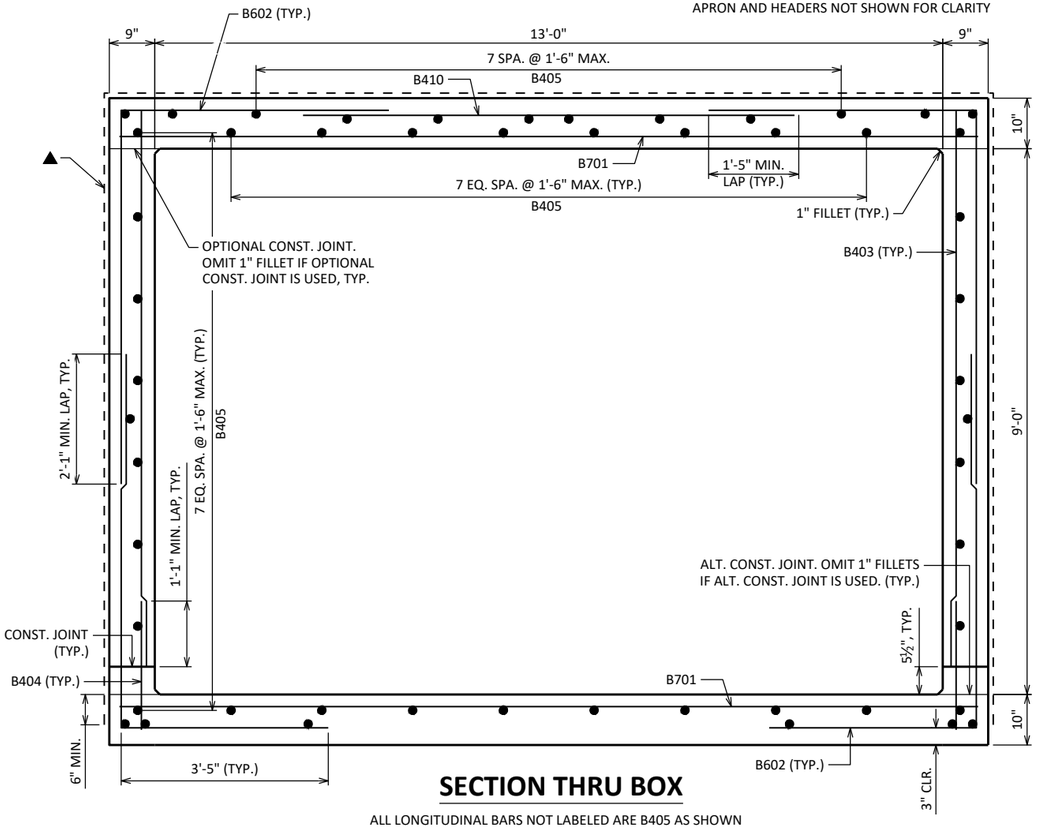
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B701		292	14'-2"			TOP & BOT. SLAB - TRANSVERSE
B602		584	9'-5"	X		CORNERS
B403		148	9'-2"			WALLS - VERTICAL
B404		148	2'-1"			WALLS - DOWELS - VERTICAL
B405		104	35'-8"			TOP & BOT. SLAB & WALLS - LONGITUDINAL
B506		50	4'-0"			VERT. CONST. JOINT - DOWELS
B307		19	2'-10"	X		INLET HEADER - STIRRUP
B308		19	3'-2"	X		OUTLET HEADER - STIRRUP
B409		4	14'-2"			HEADERS - TRANSVERSE
B410		50	8'-4"			TOP SLAB - TRANSVERSE



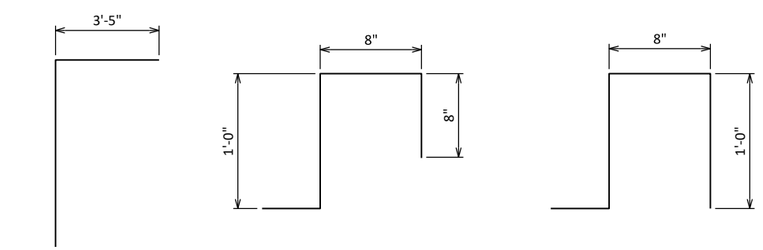
PLAN

APRON AND HEADERS NOT SHOWN FOR CLARITY

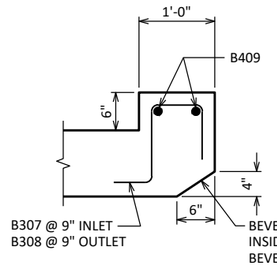


SECTION THRU BOX

ALL LONGITUDINAL BARS NOT LABELED ARE B405 AS SHOWN



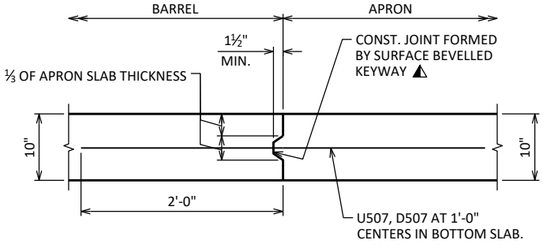
B602 **B307** **B308**



B307 @ 9" INLET
B308 @ 9" OUTLET

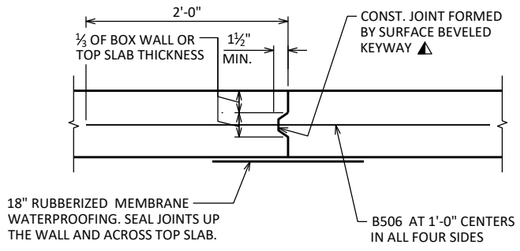
BEVEL TO EXTEND BETWEEN INSIDE FACES OF BOX WALLS. BEVEL INLET ONLY

SECTION THRU HEADER



APRON CONNECTION DETAIL

⚠ IN LIEU OF CONSTRUCTION JOINTS IN BOTTOM SLAB, THE CONTRACTOR MY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.



VERTICAL CONSTRUCTION JOINT

⚠ IN LIEU OF CONSTRUCTION JOINTS IN BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.

▲ 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING UP WALLS AND ACROSS TOP SLAB AT VERTICAL CONST. JOINTS. EXTEND 6" MIN. BELOW TOP OF BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-53-2037

DRAWN BY RRH | PLANS CK'D IFC

BOX DETAILS

SHEET 2
340

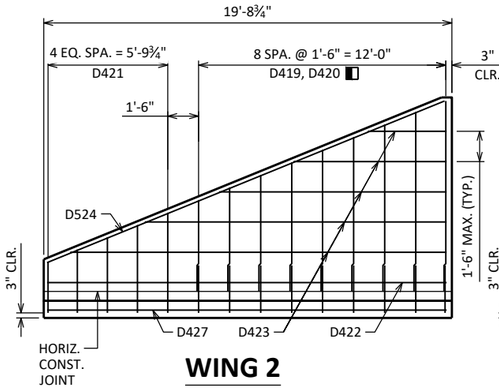
SCALE =

8

8

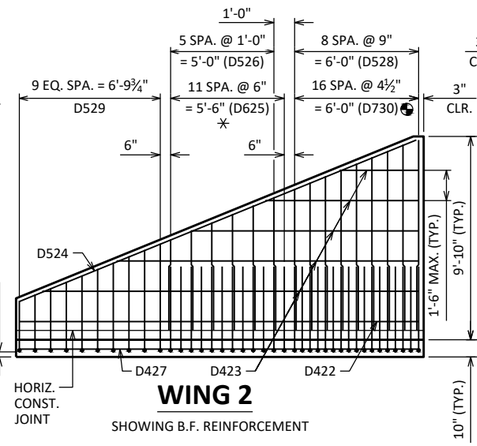
STATE PROJECT NUMBER

3320-02-70



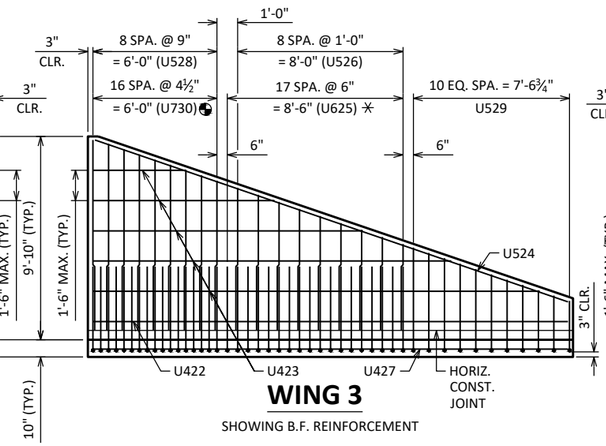
WING 2

SHOWING F.F. REINFORCEMENT



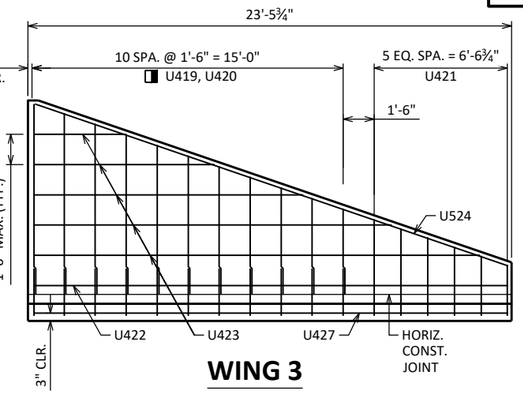
WING 2

SHOWING B.F. REINFORCEMENT



WING 3

SHOWING B.F. REINFORCEMENT

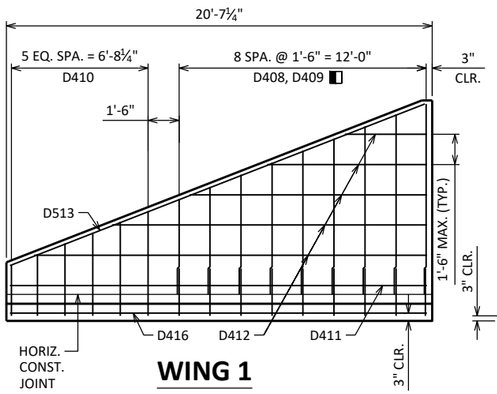


WING 3

SHOWING F.F. REINFORCEMENT

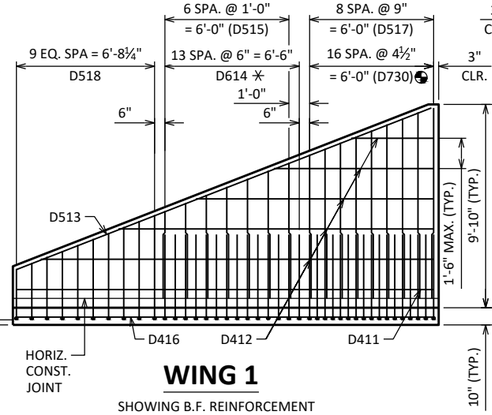
LEGEND

- INDICATES WING NUMBER.
- INDICATES 1'-8" MIN. LAP
- INDICATES 3'-1" MIN. LAP
- INDICATES 5'-2" MIN. LAP
- ▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE LENGTH OF WING, TYP.



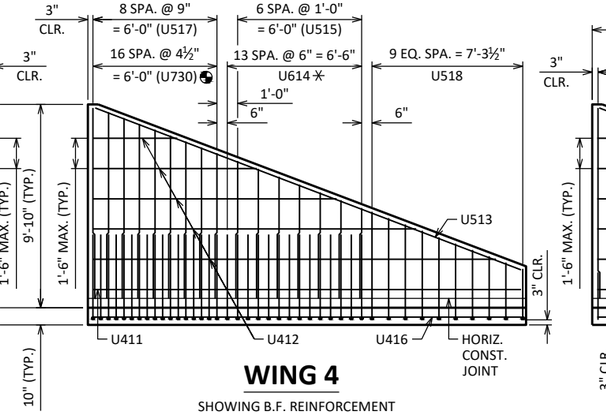
WING 1

SHOWING F.F. REINFORCEMENT



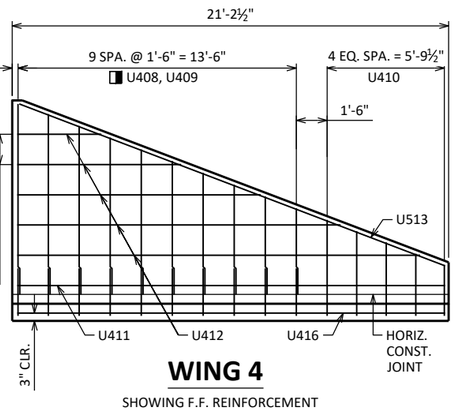
WING 1

SHOWING B.F. REINFORCEMENT



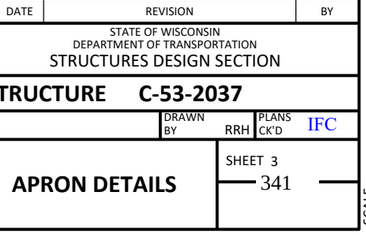
WING 4

SHOWING B.F. REINFORCEMENT



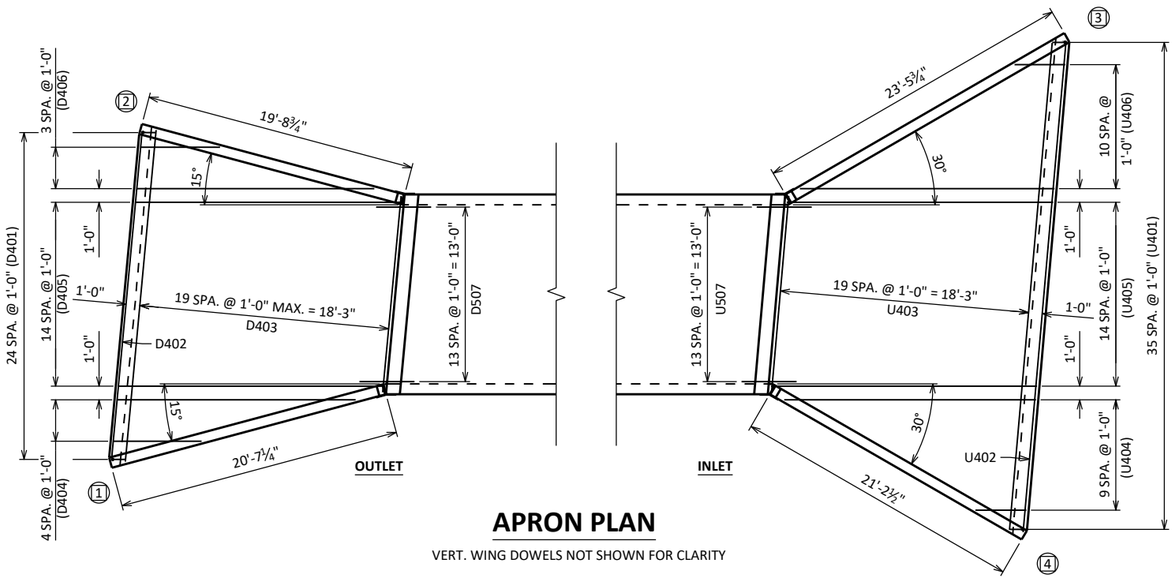
WING 4

SHOWING F.F. REINFORCEMENT



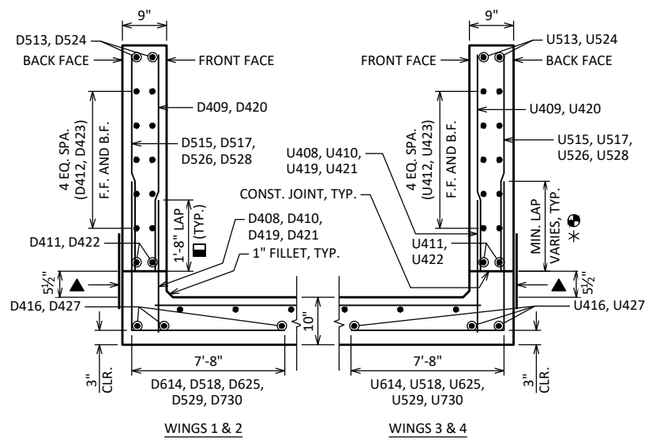
ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

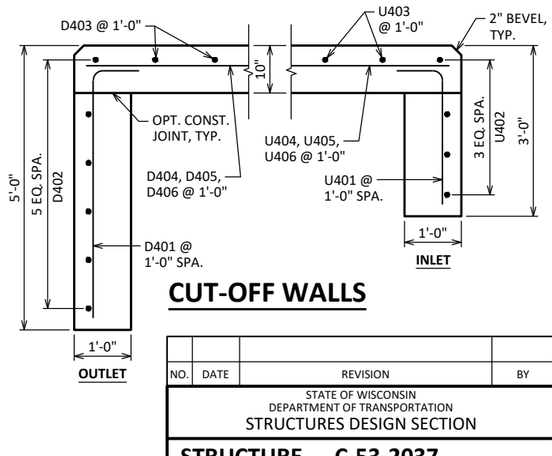


APRON PLAN

VERT. WING DOWELS NOT SHOWN FOR CLARITY



SECTION THRU WINGS



CUT-OFF WALLS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-53-2037

DRAWN BY RRH | PLANS CK'D IFC

APRON DETAILS

SHEET 3
341

SCALE =

8

8

STATE PROJECT NUMBER

3320-02-70

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

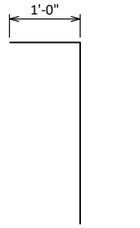
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		25	5'-7"	X		OUTLET APRON AND CUTOFF WALL - VERT.
D402		6	23'-9"			OUTLET APRON AND CUTOFF WALL - HORIZ.
D403		20	14'-3"		⚠	OUTLET APRON - TRANSVERSE
D404		5	8'-9"		⚠	OUTLET APRON - LONGIT.
D405		15	19'-3"			OUTLET APRON - LONGIT.
D406		4	10'-3"		⚠	OUTLET APRON - LONGIT.
D507		14	4'-0"			OUTLET APRON & BARREL - BOTTOM SLAB
D408	X	9	2'-9"			WING 1 - F.F. - VERT. - DOWEL
D409	X	9	6'-10"		⚠	WING 1 - F.F. - VERT.
D410	X	6	3'-9"		⚠	WING 1 - F.F. - VERT.
D411	X	2	20'-2"			WING 1 - BOTH FACES - HORIZ.
D412	X	10	11'-1"		⚠	WING 1 - BOTH FACES - HORIZ.
D513	X	2	21'-7"			WING 1- TOP - HORIZ. - BOTH FACES
D614	X	14	11'-8"	X		WING 1 - B.F. - VERT.
D515	X	7	5'-6"		⚠	WING 1 - B.F. - VERT.
D416		3	20'-2"			WING 1 - HORIZ. - APRON BOT. SLAB
D517		9	8'-1"		⚠	WING 1 - B.F. - VERT.
D518	X	10	22'-7"	X	⚠	WING 1 - B.F. - VERT.
D419	X	9	2'-9"			WING 2 - F.F. - VERT. - DOWEL
D420	X	9	6'-9"		⚠	WING 2 F.F. - VERT.
D421	X	5	3'-8"		⚠	WING 2 F.F. - VERT.
D422	X	2	19'-4"			WING 2 - BOTH FACES - HORIZ.
D423	X	10	11'-1"		⚠	WING 2 - BOTH FACES - HORIZ.
D524	X	2	20'-9"			WING 2 - TOP - BOTH FACES - HORIZ.
D625	X	12	11'-8"	X		WING 2 - B.F. - VERT.
D526	X	6	5'-5"		⚠	WING 2 - B.F. - VERT.
D427		3	19'-4"			WING 2 - HORIZ. - APRON BOT. SLAB
D528	X	9	8'-0"		⚠	WING 2 - B.F. - VERT.
D529	X	10	11'-5"	X	⚠	WING 2 - B.F. - VERT
D730	X	34	13'-8"	X		WING 1 & 2 - B.F. - VERT.
U401		36	3'-7"	X		INLET APRON AND CUTOFF WALL - VERT.
U402		4	35'-9"			INLET APRON AND CUTOFF WALL - HORIZ.
U403		20	25'-0"		⚠	INLET APRON - TRANSVERSE
U404		10	9'-7"		⚠	INLET APRON - LONGIT.
U405		15	19'-3"			INLET APRON - LONGIT.
U406		11	9'-9"		⚠	INLET APRON - LONGIT.
U507		14	4'-0"			INLET APRON & BARREL - BOTTOM SLAB
U408	X	10	2'-9"			WING 4 - F.F. - VERT. - DOWEL
U409	X	10	6'-8"		⚠	WING 4 - F.F. - VERT.
U410	X	5	3'-6"		⚠	WING 4 - F.F. - VERT.
U411	X	2	20'-9"			WING 4 - HORIZ. - BOTH FACES
U412	X	10	11'-5"		⚠	WING 4 - HORIZ. - BOTH FACES
U513	X	2	22'-0"			WING 4 - TOP - BOTH FACES
U614	X	14	11'-8"	X		WING 4 - B.F. - VERT.
U515	X	7	5'-6"		⚠	WING 4 - B.F. - VERT.
U416		3	20'-9"			INLET APRON - HORIZ. - BOT. FACE
U517	X	9	8'-1"		⚠	WING 4 - B.F. - VERT.
U518	X	10	11'-5"	X	⚠	WING 4 - B.F. - VERT.
U419	X	11	2'-9"			WING 3 - F.F. - VERT. - DOWEL
U420	X	11	6'-8"		⚠	WING 3 - F.F. - VERT.
U421	X	6	3'-7"		⚠	WING 3 - F.F. - VERT. - DOWELS
U422	X	2	23'-1"			WING 3 - HORIZ. - BOTH FACES
U423	X	10	12'-9"		⚠	WING 3 - HORIZ. - BOTH FACES
U524	X	2	24'-2"			WING 3 - HORIZ. - TOP - BOTH FACES
U625	X	18	11'-8"	X		WING 3 - B.F. - VERT.
U526	X	9	5'-6"		⚠	WING 3 - B.F. - VERT.
U427		3	23'-1"			WING 3 - HORIZ. - APRON BOT. SLAB
U528	X	9	8'-2"		⚠	WING 3 - B.F. - VERT.
U529	X	11	11'-3"	X	⚠	WING 3 - B.F. - VERT.
U730	X	34	13'-8"	X		WING 3 & 4 - B.F. - VERT.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

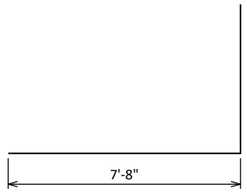
BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

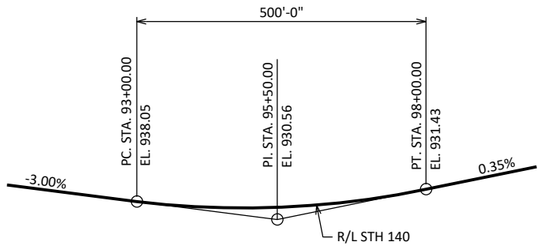
BAR MARK	NO. REQ'D	LENGTH
D403	1 SERIES OF 20	4'-4" TO 24'-2"
D404	1 SERIES OF 5	1'-6" TO 16'-1"
D406	1 SERIES OF 4	4'-6" TO 16'-0"
D409	1 SERIES OF 9	4'-7" TO 9'-2"
D410	1 SERIES OF 6	2'-6" TO 5'-1"
D412	2 SERIES OF 5	3'-5" TO 18'-10"
D515	1 SERIES OF 7	4'-3" TO 7'-0"
D517	1 SERIES OF 9	7'-0" TO 9'-2"
D518	1 SERIES OF 10	10'-1" TO 12'-8"
D420	1 SERIES OF 9	4'-5" TO 9'-2"
D421	1 SERIES OF 5	2'-6" TO 4'-10"
D423	2 SERIES OF 5	3'-3" TO 19'-0"
D526	1 SERIES OF 6	4'-5" TO 6'-5"
D528	1 SERIES OF 9	6'-11" TO 9'-2"
D529	1 SERIES OF 10	10'-1" TO 12'-10"
U403	1 SERIES OF 20	14'-5" TO 35'-8"
U404	1 SERIES OF 10	1'-4" TO 17'-10"
U406	1 SERIES OF 11	1'-7" TO 17'-11"
U409	1 SERIES OF 10	4'-2" TO 9'-2"
U410	1 SERIES OF 5	2'-5" TO 4'-8"
U412	2 SERIES OF 5	3'-6" TO 19'-5"
U515	1 SERIES OF 7	4'-5" TO 6'-8"
U517	1 SERIES OF 9	7'-0" TO 9'-2"
U518	1 SERIES OF 10	10'-1" TO 12'-10"
U420	1 SERIES OF 11	4'-2" TO 9'-2"
U421	1 SERIES OF 6	2'-6" TO 4'-8"
U423	2 SERIES OF 5	3'-11" TO 21'-8"
U526	1 SERIES OF 9	4'-2" TO 6'-11"
U528	1 SERIES OF 9	7'-3" TO 9'-2"
U529	1 SERIES OF 11	10'-1" TO 12'-7"



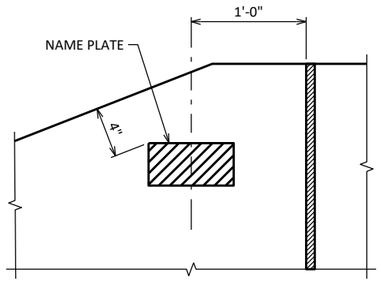
D401, U401



U614, U518, U625, U529, U730, D614, D518, D625, D529, D730

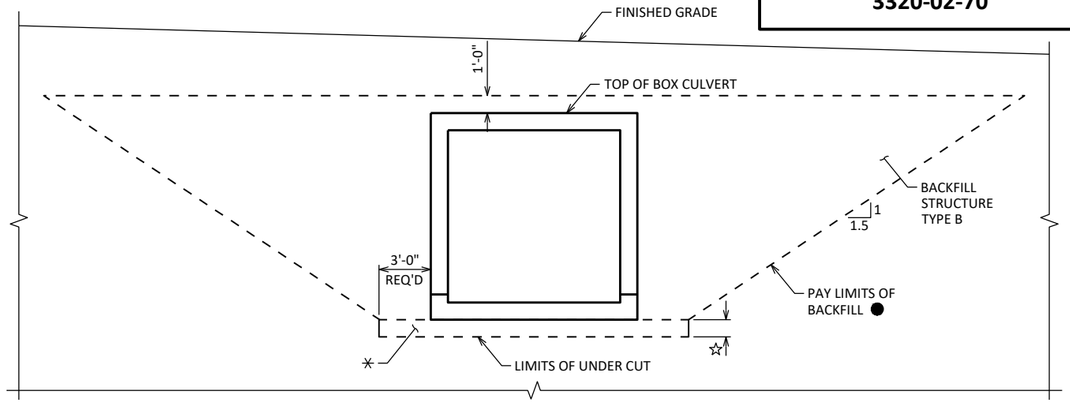


PROFILE GRADE LINE



NAME PLATE DETAIL

WING 4

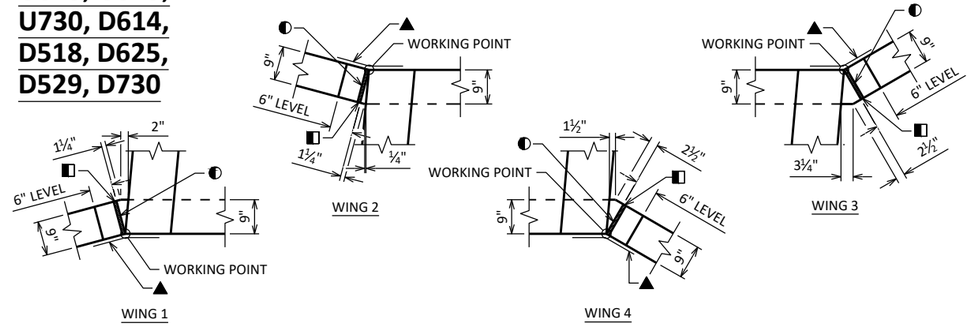


TYPICAL SECTION THRU BOX CULVERT

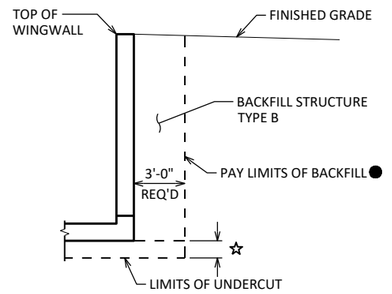
● BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 1'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".

✳ THE REGION SOILS ENGINEER SHALL BE PRESENT TO EVALUATE THE SUBSURFACE CONDITIONS AT TIME OF BOX CULVERT CONSTRUCTION. SEE "STRUCTURE DESIGN CONTACTS" ON SHT. 1.



CORNER DETAILS



TYPICAL SECTION THRU BOX CULVERT WINGWALL

◐ ¾" FILLER (TYP.) EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◧ 1" BEVEL (TYP.)

▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WALL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-53-2037

DRAWN BY RRH | PLANS CK'D IFC

DETAILS

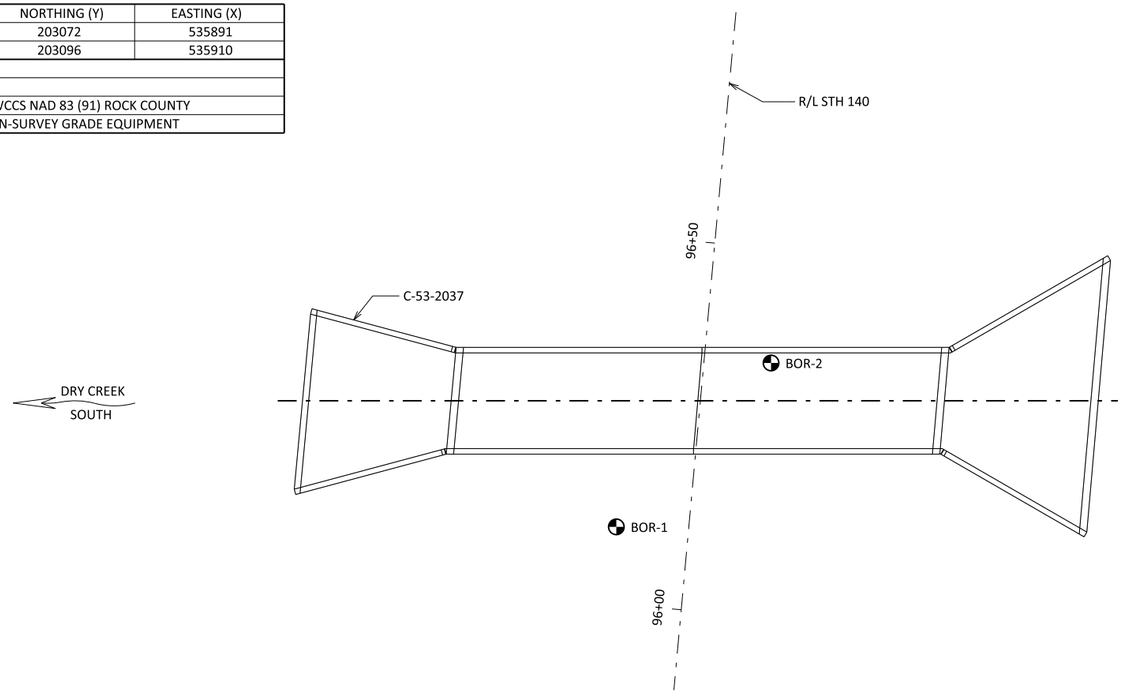
SHEET 4
342

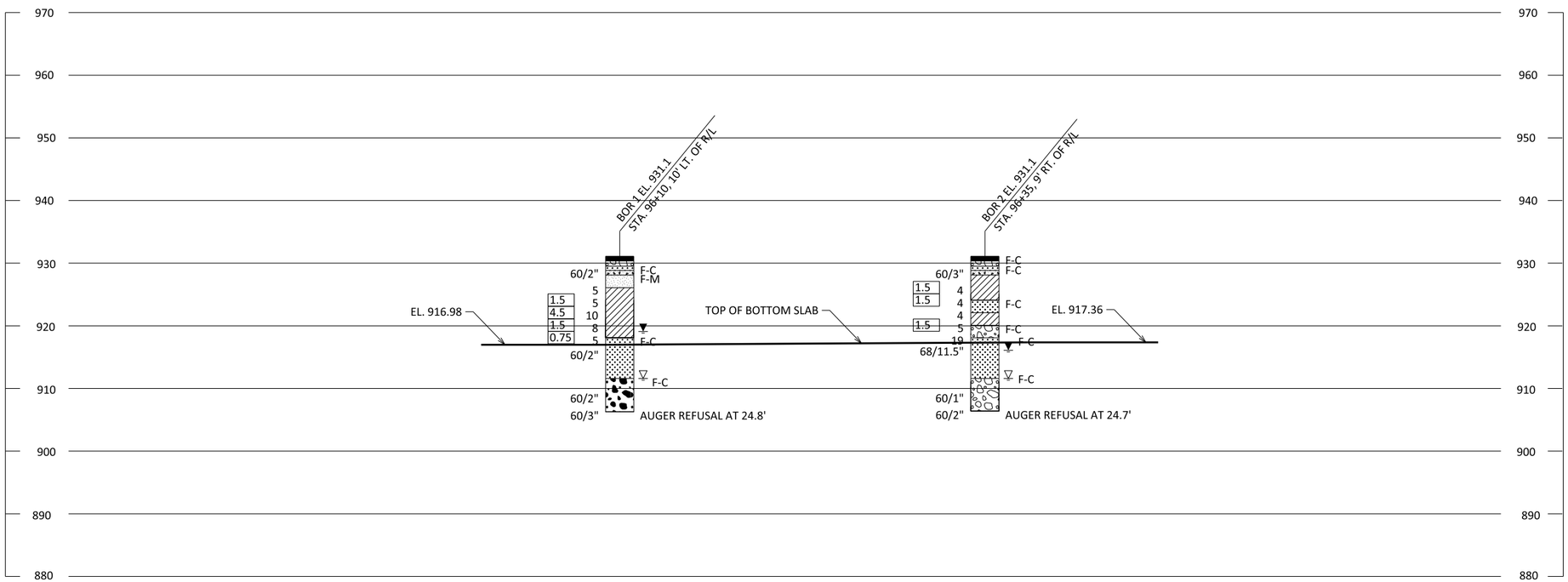
SCALE =

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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	9/9/2022	203072	535891
2	9/9/2022	203096	535910
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83 (91) ROCK COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





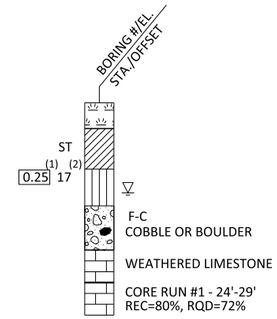
STATE PROJECT NUMBER

3320-02-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATION IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-53-2037

DRAWN BY JJ/RRH | PLANS CK'D. IFC

SUBSURFACE EXPLORATION

SHEET 5

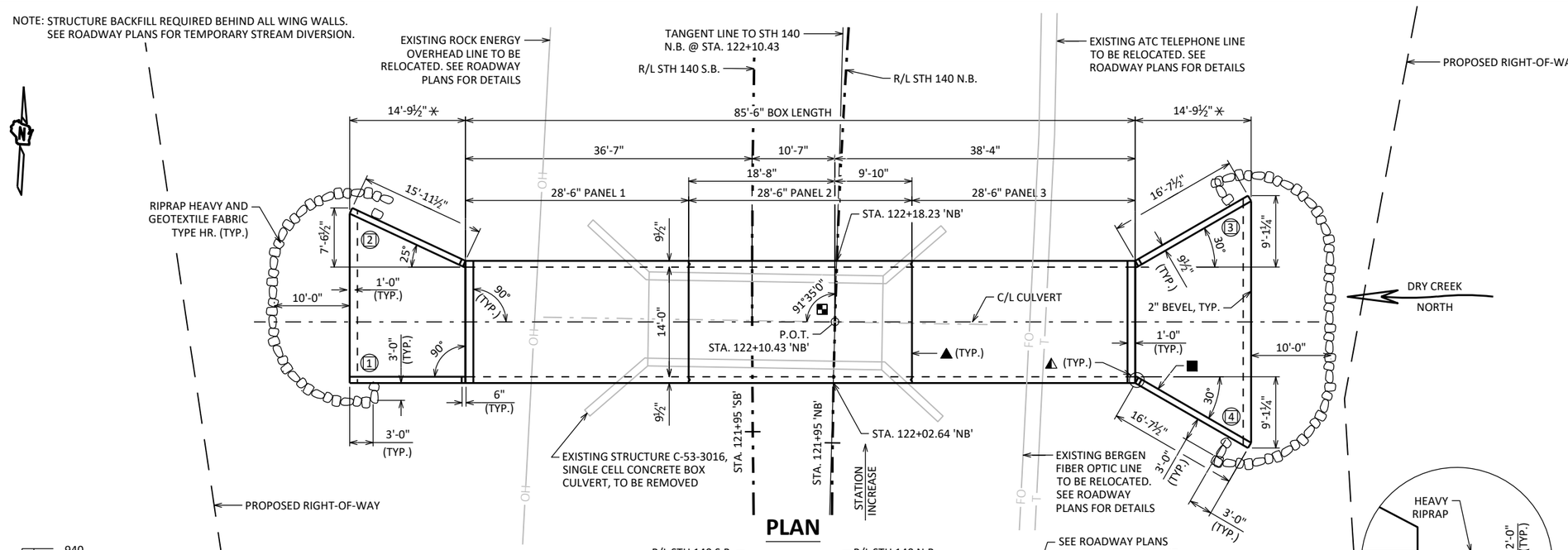
343

SCALE =

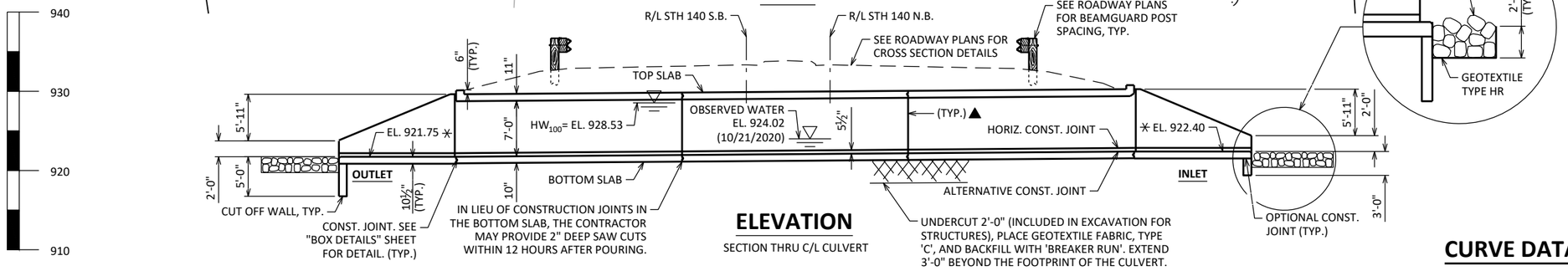
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NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS. SEE ROADWAY PLANS FOR TEMPORARY STREAM DIVERSION.

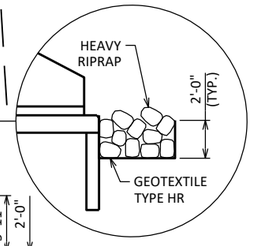


PLAN



ELEVATION

SECTION THRU C/L CULVERT



TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
☆	203.0211.S	ABATEMENT OF ASBESTOS CONTAINING MATERIAL C-53-3016	EACH	1
	203.0250	REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS C-53-3016	EACH	1
	206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-53-3031	EACH	1
	210.2500	BACKFILL STRUCTURE TYPE B	TON	1,373
	311.0115	BREAKER RUN	CY	198.0
	504.0100	CONCRETE MASONRY CULVERTS	CY	159
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	30,258
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,812
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	27
	606.0300	RIPRAP HEAVY	CY	58
	645.0105	GEOTEXTILE TYPE C	SY	317
	645.0120	GEOTEXTILE TYPE HR	SY	134
		NON-BID ITEMS		
		FILLER	SIZE	¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND IS NOT OCCUPIED BE THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WINGWALLS.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-53-3031" SHALL BE THE EXISTING GROUNDLINE.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO 6" BELOW TOP OF BOTTOM SLAB.

THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR THE BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

☆ ASBESTOS CONTAINING MATERIAL WAS DETECTED IN THE BLACK APSHALTIC GASKET BETWEEN THE DECK AND ABUTMENT/WINGWALL. SEE PROVISION "ABATEMENT OF ASBESTOS CONTAINING MATERIAL C-53-3016" FOR DETAILS AND QUANTITY.

STATE PROJECT NUMBER

3320-02-70

- ◭ SEE CORNER DETAILS ON "DETAILS" SHEET
- ■ NAME PLATE LOCATION (SEE "DETAILS" SHEET)
- ✳ BUILD APRON AND END OF BOX LEVEL
- ⬭ INDICATES WING NUMBER
- ▲ VERT. CONST. JOINT (TYP.)
- ◪ ANGLE MEASURED FROM C/L C-53-3031 TO STH 140 N.B. TANGENT LINE

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.05
OPERATING RATING: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 255 (KIPS)

EARTH LOAD:

DESIGNED FOR 2.5 TO 4 FT. OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY: f'_c = 3,500 PSI
BAR STEEL REINFORCEMENT: f_y = 60,000 PSI

HYDRAULIC DATA

100-YEAR FREQUENCY:

Q_{100}= 520 C.F.S.
V_{100}= 10.0 F.P.S.
HW_{100}= EL. 928.53
WATERWAY AREA = 98 SQ. FT.
DRAINAGE AREA = 1.5 SQ. MI.
ROADWAY OVERTOPPING N/A
SCOUR CRITICAL CODE = 8

2-YEAR FREQUENCY:

Q_2= 100 C.F.S.
V_2= 2.4 F.P.S.
HW_2= EL. 926.34

TRAFFIC DATA

ADT = 3700 (2044)
R.D.S. = 60 MPH

CURVE DATA

STH 140 S.B.	STH 140 N.B.
PC = 121+75.17	PC = 121+06.24
PI = 122+90.52	PI = 121+79.24
PT = 124+05.56	PT = 122+51.98
R = 1800.00'	R = 1000.00'
DELTA = 7°20'01" RT	DELTA = 8°21'01" RT
D = 3°10'59"	D = 5°43'46"
L = 230.39'	L = 145.74'

LIST OF DRAWINGS:

1 LAYOUT
2 BOX DETAILS
3 APRON DETAILS
4 DETAILS
5 SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS:

RYAN HARRIS (608) 266-2963
KYLE BUSCH (608) 267-0465

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED KHB 11/21/24
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-53-3031

STH 140 OVER DRY CREEK NORTH

COUNTY: ROCK | TOWN: CLINTON
DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
RRH	IFC	RRH	IFC

LAYOUT

SHEET 1 OF 5
344

SCALE =

I.D. 3320-02-00B DATE: NOV. 2024

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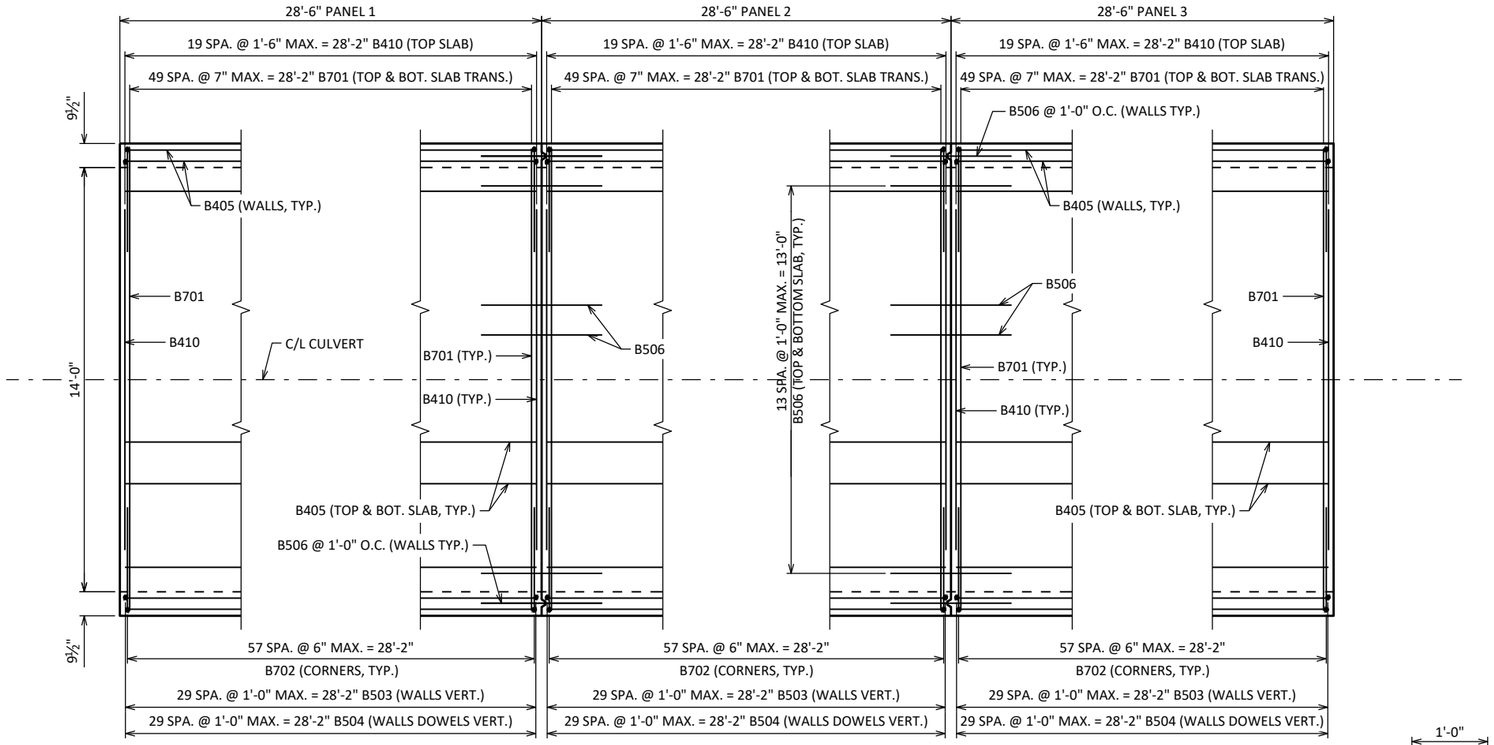
STATE PROJECT NUMBER

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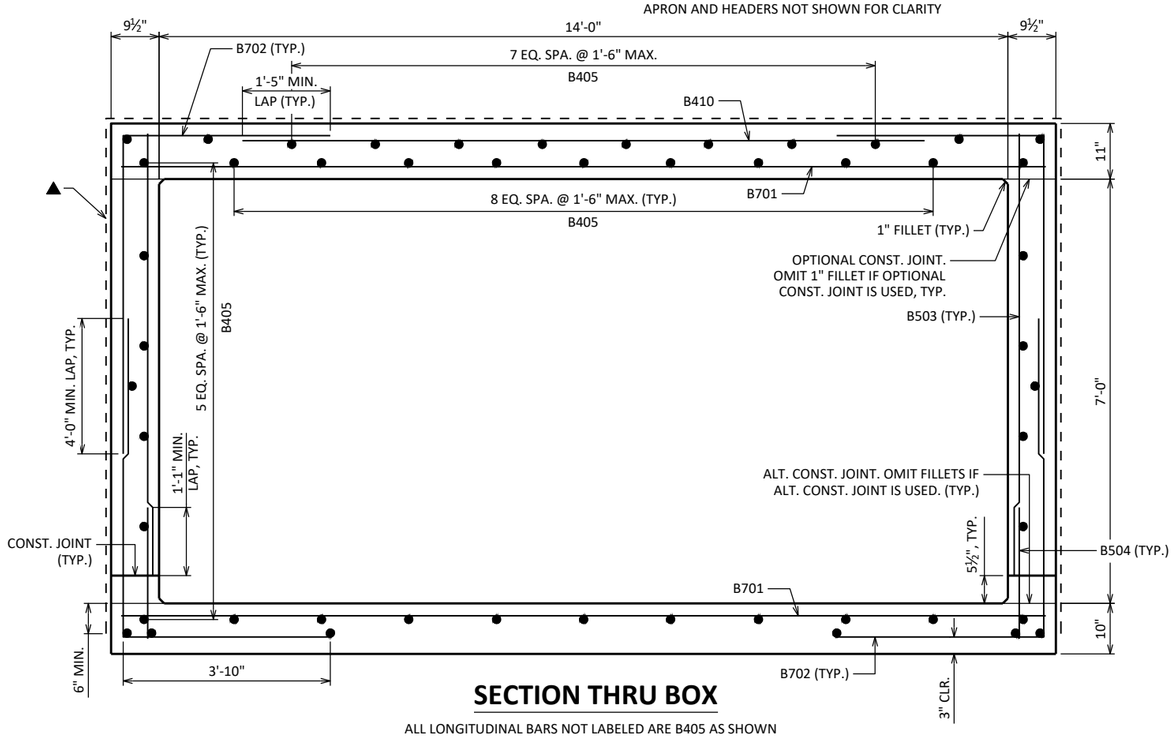
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B701		300	15'-3"			TOP & BOT. SLAB - TRANSVERSE
B702		696	9'-10"	X		CORNERS
B503		180	7'-3"			WALLS - VERTICAL
B504		180	2'-2"			WALLS - DOWELS - VERTICAL
B405		150	28'-2"			TOP & BOT. SLAB & WALLS - LONGITUDINAL
B506		96	4'-0"			VERT. CONST. JOINT - DOWELS
B307		21	3'-0"	X		INLET HEADER - STIRRUP
B308		21	3'-4"	X		OUTLET HEADER - STIRRUP
B409		4	15'-3"			HEADERS - HORIZONTAL
B410		60	10'-5"			TOP SLAB - TRANSVERSE

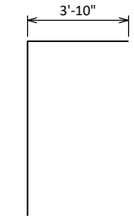


PLAN

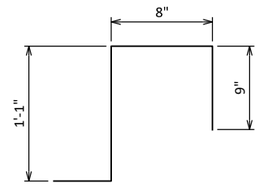


SECTION THRU BOX

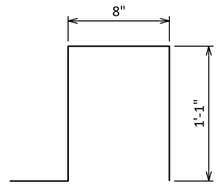
ALL LONGITUDINAL BARS NOT LABELED ARE B405 AS SHOWN



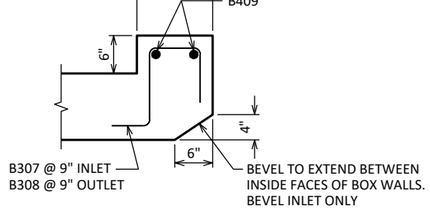
B702



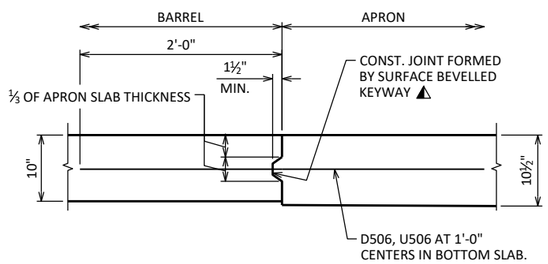
B307



B308

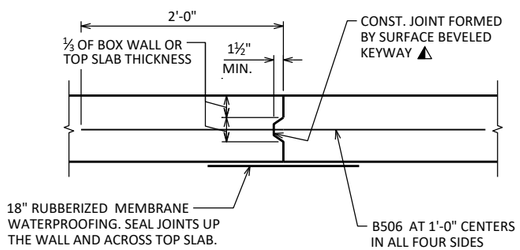


SECTION THRU HEADER



APRON CONNECTION DETAIL

⚠ IN LIEU OF CONSTRUCTION JOINTS IN BOTTOM SLAB, THE CONTRACTOR MY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.



VERTICAL CONSTRUCTION JOINT

⚠ IN LIEU OF CONSTRUCTION JOINTS IN BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.

▲ 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING UP WALLS AND ACROSS TOP SLAB AT VERTICAL CONST. JOINTS. EXTEND 6" MIN. BELOW TOP OF BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-53-3031

DRAWN BY RRH | PLANS CK'D IFC

BOX DETAILS

SHEET 2
345

SCALE =

8

8

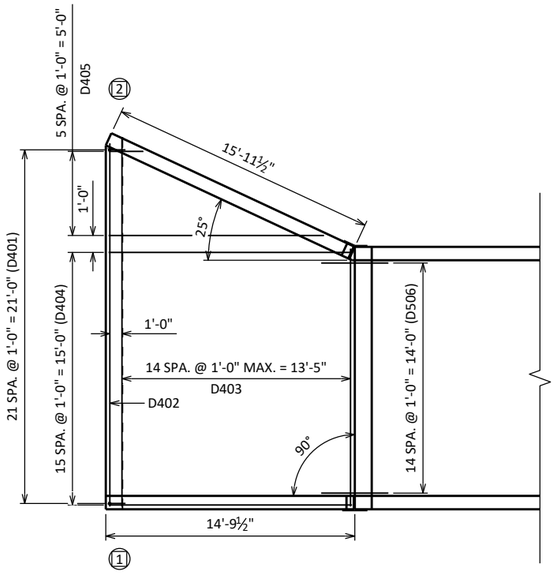
LEGEND

- INDICATES WING NUMBER.
- INDICATES 1'-8" MIN. LAP FOR NO. 4 BARS.
- INDICATES 2'-7" MIN. LAP FOR NO. 5 BARS.

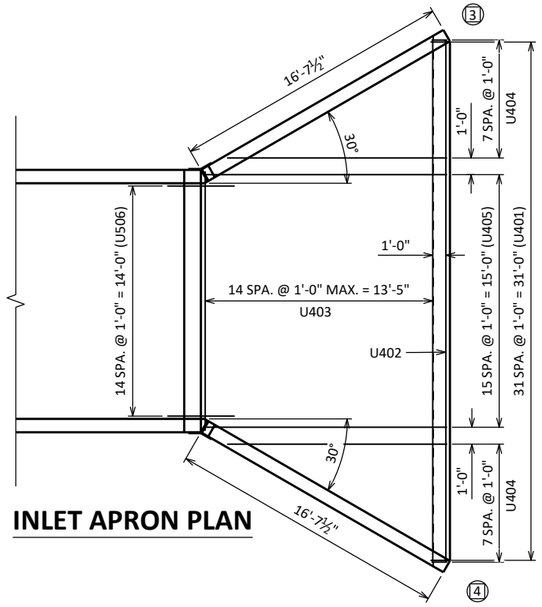
▲ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE LENGTH OF WING, TYP.

STATE PROJECT NUMBER

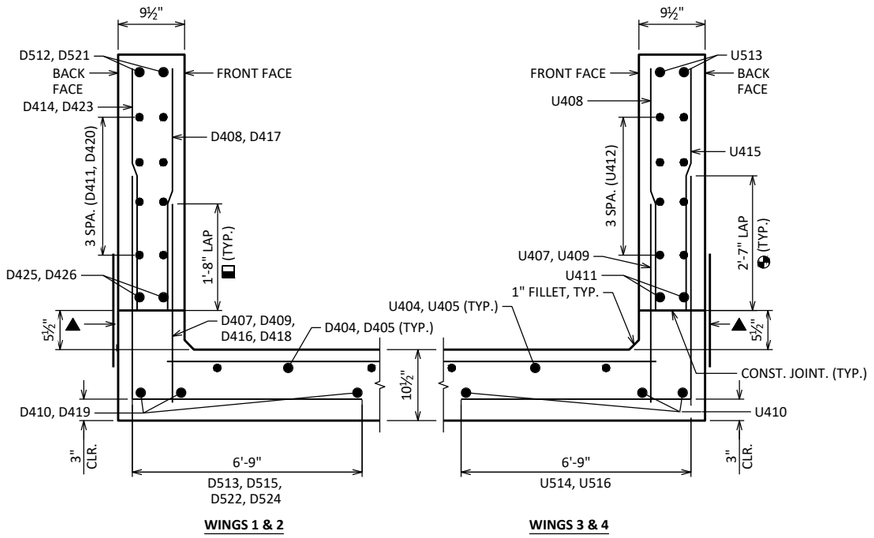
3320-02-70



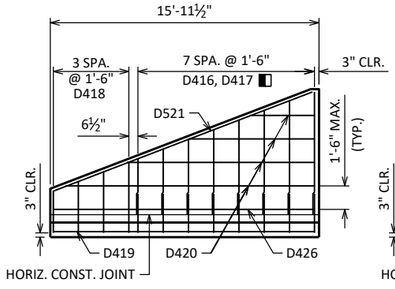
OUTLET APRON PLAN



INLET APRON PLAN

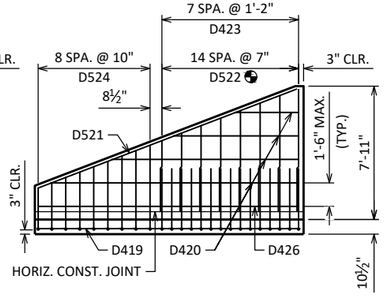


SECTION THRU WINGS



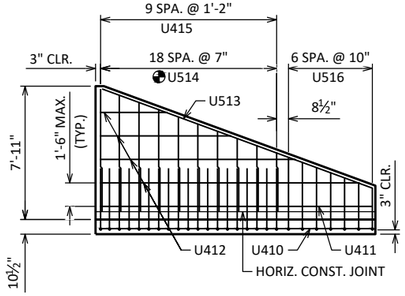
WING 2

SHOWING F.F. REINFORCEMENT



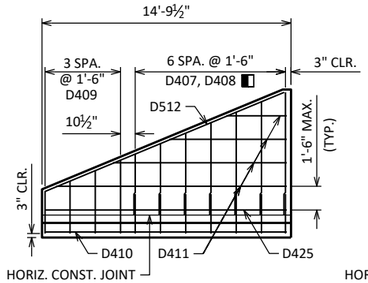
WING 2

SHOWING B.F. REINFORCEMENT



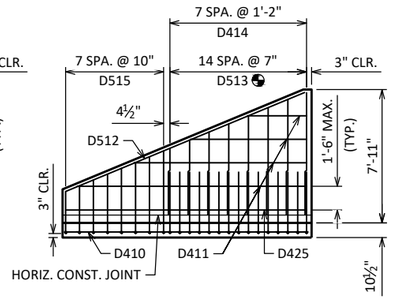
WING 3 & 4

SHOWING B.F. REINFORCEMENT
WING 4 SIMILAR



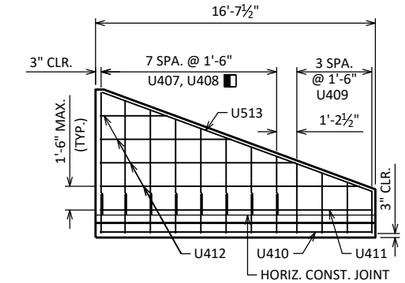
WING 1

SHOWING F.F. REINFORCEMENT



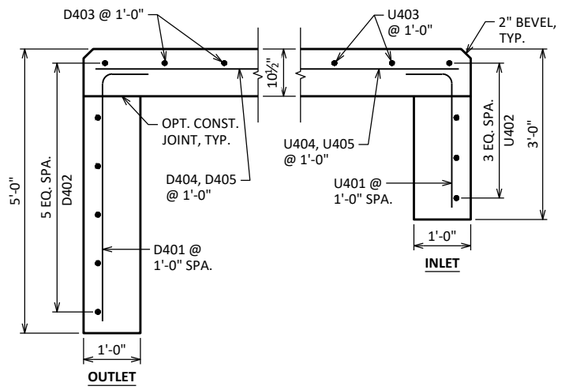
WING 1

SHOWING B.F. REINFORCEMENT

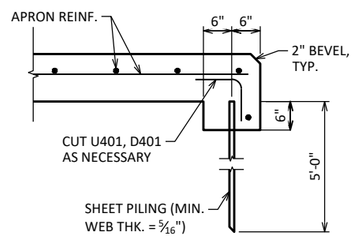


WING 3 & 4

SHOWING F.F. REINFORCEMENT
WING 4 SIMILAR



CUT-OFF WALLS



ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-53-3031

DRAWN BY RRH | PLANS CK'D IFC

APRON DETAILS

SHEET 3
346

SCALE =

8

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STATE PROJECT NUMBER

3320-02-70

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

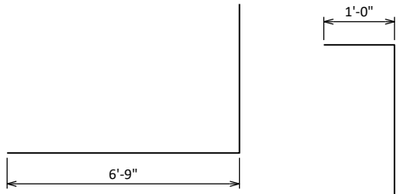
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		22	5'-7"	X		OUTLET APRON AND CUTOFF WALL - VERT.
D402		6	21'-7"			OUTLET APRON AND CUTOFF WALL - HORIZ.
D403		15	18'-5"		⚠	OUTLET APRON - TRANS.
D404		16	14'-5"			OUTLET APRON - LONGIT.
D405		6	7'-7"		⚠	OUTLET APRON - LONGIT.
D506		15	4'-0"			OUTLET APRON & BARREL - BOT. SLAB
D407	X	7	2'-9"			WING 1 - F.F. - VERT. - DOWELS
D408	X	7	5'-5"		⚠	WING 1 - F.F. - VERT.
D409	X	4	3'-5"		⚠	WING 1 - F.F. - VERT.
D410		3	14'-4"			WING 1 - HORIZ. - APRON BOT. SLAB
D411	X	8	7'-9"		⚠	WING 1 - HORIZ. - BOTH FACES
D512	X	2	15'-6"			WING 1 - TOP - BOTH FACES
D513	X	15	10'-4"	X		WING 1 - B.F. - VERT.
D414	X	8	5'-7"		⚠	WING 1 - B.F. - VERT.
D515	X	8	10'-4"	X	⚠	WING 1 - B.F. - VERT.
D416	X	8	2'-9"			WING 2 - F.F. - VERT. - DOWELS
D417	X	8	5'-3"		⚠	WING 2 - F.F. - VERT.
D418	X	4	3'-4"		⚠	WING 2 - F.F. - VERT.
D419		3	15'-6"			WING 2 - HORIZ. - APRON BOT. SLAB
D420	X	8	8'-4"		⚠	WING 2 - HORIZ. - BOTH FACES
D521	X	2	16'-7"			WING 2 - HORIZ. - TOP - BOTH FACES
D522	X	15	10'-4"	X		WING 2 - B.F. - VERT.
D423	X	8	5'-9"		⚠	WING 2 - B.F. - VERT.
D524	X	9	10'-5"	X	⚠	WING 2 - B.F. - VERT.
D425	X	2	14'-4"			WING 1 - HORIZ. - BOTH FACES
D426	X	2	15'-6"			WING 2 - HORIZ. - BOTH FACES
U401		32	3'-7"	X		INLET APRON AND CUTOFF WALL - VERT.
U402		4	31'-3"			INLET APRON AND CUTOFF WALL - HORIZ.
U403		15	23'-2"		⚠	INLET APRON - TRANS.
U404		16	7'-0"		⚠	INLET APRON - LONGIT.
U405		16	14'-5"			INLET APRON - LONGIT.
U506		15	4'-0"			INLET APRON - APRON & BARREL - BOTTOM SLAB
U407	X	16	2'-9"			WINGS 3 & 4 - F.F. - VERT. - DOWELS
U408	X	16	5'-5"		⚠	WINGS 3 & 4 - F.F. - VERT.
U409	X	8	3'-4"		⚠	WINGS 3 & 4 - F.F. - VERT.
U410		6	16'-2"			WINGS 3 & 4 - HORIZ. - APRON BOT. SLAB
U411	X	4	16'-2"			WINGS 3 & 4 - HORIZ. - BOTH FACES
U412	X	16	8'-8"		⚠	WINGS 3 & 4 - HORIZ. - BOTH FACES
U513	X	4	17'-3"			WINGS 3 & 4 - TOP - BOTH FACES
U514	X	38	10'-4"	X		WINGS 3 & 4 - B.F. - VERT.
U415	X	20	5'-4"		⚠	WINGS 3 & 4 - B.F. - VERT.
U516	X	14	10'-2"	X	⚠	WINGS 3 & 4 - B.F. - VERT.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

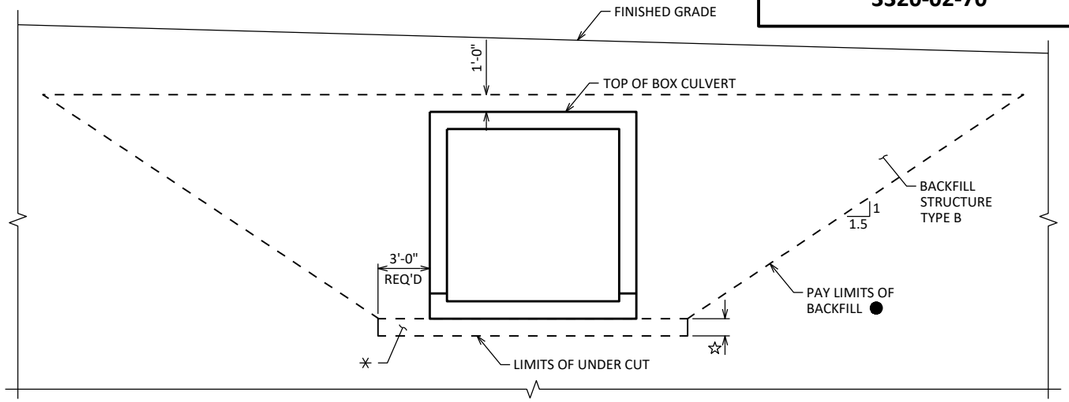
BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
D403	1 SERIES OF 15	15'-4" TO 21'-7"
D405	1 SERIES OF 6	2'-3" TO 13'-0"
D408	1 SERIES OF 7	3'-8" TO 7'-3"
D409	1 SERIES OF 4	2'-6" TO 4'-4"
D411	2 SERIES OF 4	2'-4" TO 13'-2"
D414	1 SERIES OF 8	4'-0" TO 7'-3"
D515	1 SERIES OF 8	9'-2" TO 11'-7"
D417	1 SERIES OF 8	3'-4" TO 7'-3"
D418	1 SERIES OF 4	2'-6" TO 4'-2"
D420	2 SERIES OF 4	2'-6" TO 14'-3"
D423	1 SERIES OF 8	4'-3" TO 7'-3"
D524	1 SERIES OF 9	9'-2" TO 11'-9"
U403	1 SERIES OF 15	15'-6" TO 30'-11"
U404	2 SERIES OF 8	0'-11" TO 13'-1"
U408	2 SERIES OF 8	3'-6" TO 7'-4"
U409	2 SERIES OF 4	2'-6" TO 4'-2"
U412	4 SERIES OF 4	2'-7" TO 14'-10"
U415	2 SERIES OF 10	3'-6" TO 7'-3"
U516	2 SERIES OF 7	9'-3" TO 11'-1"



D513, D515, D522 D524, U514, U516

D401, U401

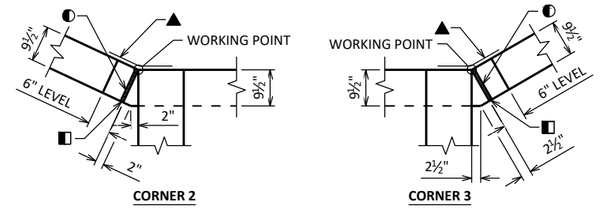


TYPICAL SECTION THRU BOX CULVERT

● BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDER CUT 2'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".

✳ THE REGION SOILS ENGINEER SHALL BE PRESENT TO EVALUATE THE SUBSURFACE CONDITIONS AT TIME OF BOX CULVERT CONSTRUCTION.

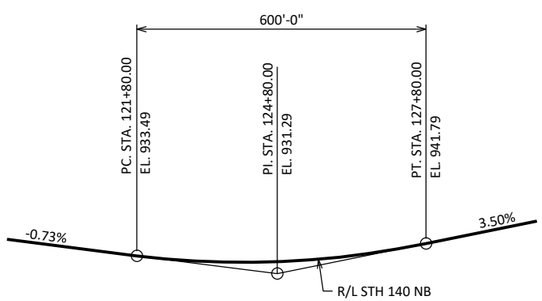


CORNER DETAILS

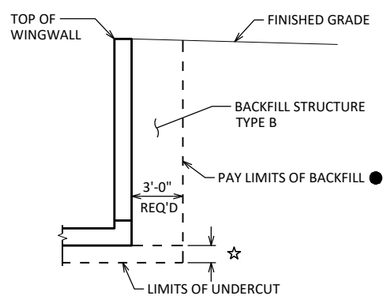
◐ ¾" FILLER (TYP.) EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◧ 1" BEVEL (TYP.)

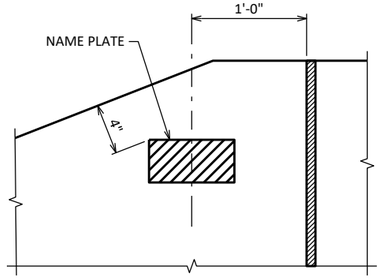
▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WALL.



PROFILE GRADE LINE



TYPICAL SECTION THRU BOX CULVERT WINGWALL



NAME PLATE DETAIL

WING 4

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-53-3031

DRAWN BY RRH | PLANS CK'D IFC

DETAILS

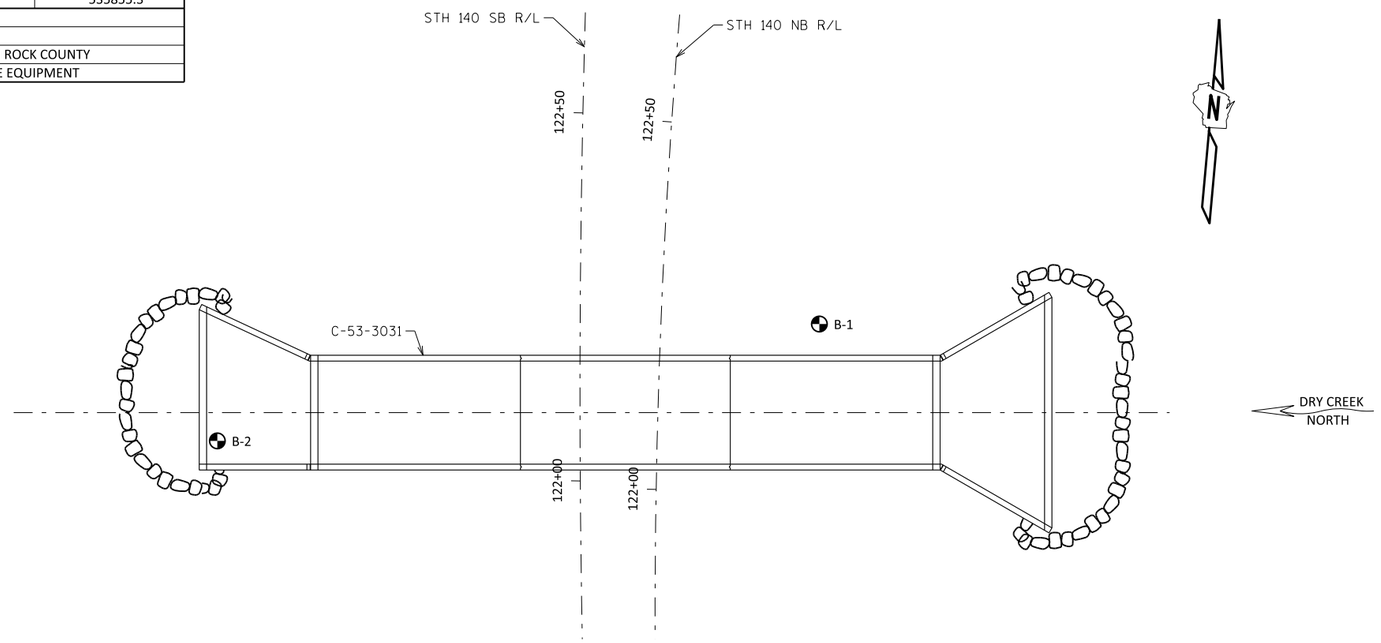
SHEET 4
347

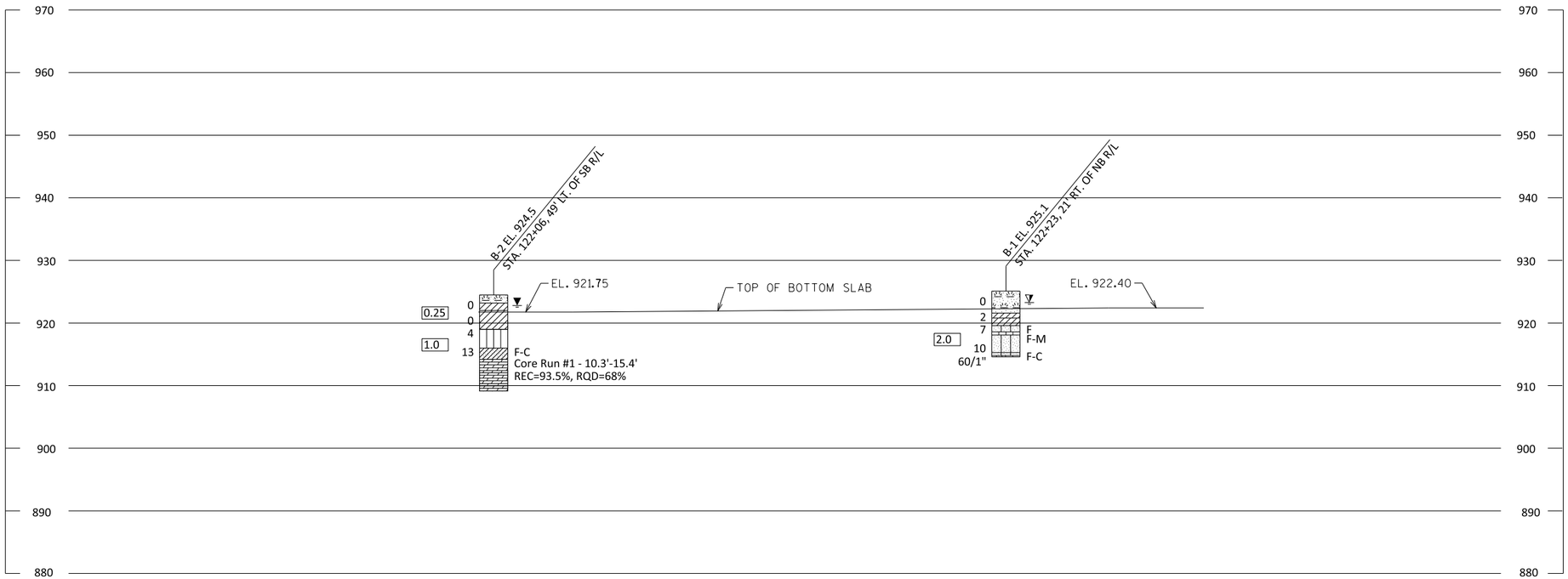
SCALE =

8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	03/23/2023	205677.3	535935.3
2	03/23/2023	205654.1	535855.3
BORINGS COMPLETED BY: SES			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83 (91) ROCK COUNTY			
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT			





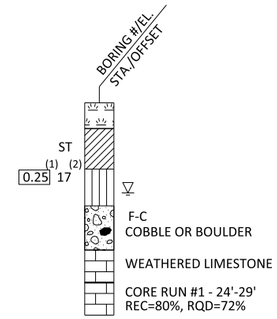
STATE PROJECT NUMBER

3320-02-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATION IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-53-3031

DRAWN BY JJ/RRH | PLANS CK'D. IFC

SUBSURFACE EXPLORATION

SHEET 5

348

8

8

SCALE =

STH 140 EARTHWORK SUMMARY (CAT 0010)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
									NOTE 1	NOTE 2	NOTE 3				1.00 NOTE 1	1.30	1.50 NOTE 4	1.00	1.30 NOTE 5	0.60 NOTE 6	0.80 NOTE 7	NOTE 8
60+50.00	6050.00	0.00	101.35	27.80	21.48	0.00	9.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61+00.00	6100.00	50.00	114.27	27.80	19.25	0.00	8.00	0.00	200	51	38	0	16	0	200	29	0	16	0	0	0	120
62+00.00	6200.00	100.00	123.99	27.80	37.33	0.00	9.31	0.00	441	103	105	0	32	0	641	124	0	48	0	0	0	364
63+00.00	6300.00	100.00	116.61	27.80	5.16	0.00	7.45	0.00	446	103	79	0	31	0	1,087	186	0	79	0	0	0	644
64+00.00	6400.00	100.00	125.51	27.80	3.54	0.00	9.87	0.00	448	103	16	0	32	0	1,535	165	0	111	0	0	0	1,010
65+00.00	6500.00	100.00	109.10	27.80	4.69	0.00	11.52	0.00	434	103	15	0	40	0	1,969	133	0	151	0	0	0	1,373
66+00.00	6600.00	100.00	127.94	27.80	6.63	0.00	16.25	0.00	439	103	21	0	51	0	2,408	94	0	202	0	0	0	1,748
67+00.00	6700.00	100.00	84.43	27.80	13.76	0.00	20.19	0.00	393	103	38	0	67	0	2,801	56	0	269	0	0	0	2,076
68+00.00	6800.00	100.00	94.26	27.80	7.99	0.00	19.77	0.00	331	103	40	0	74	0	3,132	12	0	343	0	0	0	2,348
69+00.00	6900.00	100.00	98.08	27.80	3.83	0.00	20.80	0.00	356	103	22	0	75	0	3,488	-57	0	418	0	0	0	2,670
70+00.00	7000.00	100.00	115.68	27.80	3.98	0.00	16.64	0.00	396	103	14	0	69	0	3,884	-129	0	487	0	0	0	3,035
71+00.00	7100.00	100.00	97.69	27.80	10.68	0.00	15.81	0.00	395	103	27	0	60	0	4,279	-172	0	547	0	0	0	3,370
72+00.00	7200.00	100.00	110.40	27.80	10.72	0.00	12.27	0.00	385	103	40	0	52	0	4,664	-187	0	599	0	0	0	3,667
73+00.00	7300.00	100.00	150.43	27.80	1.34	0.00	10.23	0.00	483	103	22	0	42	0	5,147	-213	0	641	0	0	0	4,073
74+00.00	7400.00	100.00	176.74	27.80	0.15	0.00	11.48	0.00	606	103	3	0	40	0	5,753	-261	0	681	0	0	0	4,624
75+00.00	7500.00	100.00	149.38	27.80	0.00	0.00	12.51	0.00	604	103	0	0	44	0	6,357	-319	0	725	0	0	0	5,183
76+00.00	7600.00	100.00	94.27	27.80	0.20	0.00	12.30	0.00	451	103	0	0	46	0	6,808	-378	0	771	0	0	0	5,590
77+00.00	7700.00	100.00	117.90	27.80	2.07	0.00	11.01	0.00	393	103	4	0	43	0	7,201	-429	0	814	0	0	0	5,931
78+00.00	7800.00	100.00	126.45	27.80	1.13	0.00	7.33	0.00	453	103	6	0	34	0	7,654	-465	0	848	0	0	0	6,317
79+00.00	7900.00	100.00	135.48	27.80	1.84	0.00	4.76	0.00	485	103	6	0	22	0	8,139	-486	0	870	0	0	0	6,720
80+00.00	8000.00	100.00	166.40	27.80	0.00	0.00	3.02	0.00	559	103	3	0	14	0	8,698	-501	0	884	0	0	0	7,191
81+00.00	8100.00	100.00	146.99	12.80	9.47	0.00	0.00	0.00	580	75	18	0	6	0	9,278	-485	0	890	0	0	0	7,680
82+00.00	8200.00	100.00	138.85	12.80	8.02	0.00	0.00	0.00	529	47	32	0	0	0	9,807	-443	0	890	0	0	0	8,120
83+00.00	8300.00	100.00	101.40	12.80	67.11	0.00	0.00	0.00	445	47	139	0	0	0	10,252	-263	0	890	0	0	0	8,338
84+00.00	8400.00	100.00	75.72	12.80	74.11	0.00	0.00	0.00	328	47	262	0	0	0	10,580	78	0	890	0	0	0	8,278
85+00.00	8500.00	100.00	76.95	12.80	45.55	0.00	0.00	0.00	283	47	222	0	0	0	10,863	367	0	890	0	0	0	8,225
86+00.00	8600.00	100.00	58.44	12.80	63.24	0.00	0.00	0.00	251	47	201	0	0	0	11,114	628	0	890	0	0	0	8,168
87+00.00	8700.00	100.00	22.90	12.80	94.94	0.00	0.00	0.00	151	47	293	0	0	0	11,265	1,009	0	890	0	0	0	7,891
88+00.00	8800.00	100.00	23.10	12.80	81.84	0.00	0.00	0.00	85	47	327	0	0	0	11,350	1,434	0	890	0	0	0	7,504
89+00.00	8900.00	100.00	42.45	12.80	62.64	0.00	0.00	0.00	121	47	268	0	0	0	11,471	1,782	0	890	0	0	0	7,230
90+00.00	9000.00	100.00	67.34	12.80	41.47	0.00	0.00	0.00	203	47	193	0	0	0	11,674	2,033	0	890	0	0	0	7,135
91+00.00	9100.00	100.00	72.95	12.80	31.93	0.00	0.00	0.00	260	47	136	0	0	0	11,934	2,210	0	890	0	0	0	7,171
92+00.00	9200.00	100.00	102.33	12.80	11.51	0.00	0.00	0.00	325	47	80	0	0	0	12,259	2,314	0	890	0	0	0	7,345
93+00.00	9300.00	100.00	128.86	12.80	2.46	0.00	0.00	0.00	428	47	26	0	0	0	12,687	2,348	0	890	0	0	0	7,692
94+00.00	9400.00	100.00	73.00	12.80	21.91	0.00	0.00	0.00	374	47	45	0	0	0	13,061	2,406	0	890	0	0	0	7,961
95+00.00	9500.00	100.00	57.65	12.80	76.68	0.00	0.00	0.00	242	47	183	0	0	0	13,303	2,644	0	890	0	0	0	7,918
96+00.00	9600.00	100.00	70.99	12.80	224.53	0.00	0.00	0.00	238	47	558	0	0	0	13,541	3,370	0	890	0	0	0	7,383
97+00.00	9700.00	100.00	125.31	12.80	88.77	0.00	0.00	0.00	364	47	580	0	0	0	13,905	4,124	0	890	0	0	0	6,946
98+00.00	9800.00	100.00	347.54	12.80	0.98	0.00	0.00	0.00	876	47	166	0	0	0	14,781	4,339	0	890	0	0	0	7,560
99+00.00	9900.00	100.00	315.66	12.80	0.00	0.00	0.00	0.00	1,228	47	2	0	0	0	16,009	4,342	0	890	0	0	0	8,738
100+00.00	10000.00	100.00	344.86	12.80	0.00	0.00	0.00	0.00	1,223	47	0	0	0	0	17,232	4,342	0	890	0	0	0	9,914
101+00.00	10100.00	100.00	242.33	12.80	0.00	0.00	0.00	0.00	1,087	47	0	0	0	0	18,319	4,342	0	890	0	0	0	10,954
102+00.00	10200.00	100.00	117.21	12.80	2.41	0.00	0.00	0.00	666	47	4	0	0	0	18,985	4,347	0	890	0	0	0	11,568
103+00.00	10300.00	100.00	105.35	12.80	8.72	0.00	0.00	0.00	412	47	21	0	0	0	19,397	4,375	0	890	0	0	0	11,906
104+00.00	10400.00	100.00	106.94	12.80	23.95	0.00	0.00	0.00	393	47	61	0	0	0	19,790	4,454	0	890	0	0	0	12,172
105+00.00	10500.00	100.00	88.17	12.80	48.17	0.00	0.00	0.00	361	47	134	0	0	0	20,151	4,628	0	890	0	0	0	12,312
106+00.00	10600.00	100.00	78.41	12.80	10.14	0.00	0.00	0.00	308	47	108	0	0	0	20,459	4,768	0	890	0	0	0	12,433
107+00.00	10700.00	100.00	77.13	12.80	31.78	0.00	0.00	0.00	288	47	78	0	0	0	20,747	4,870	0	890	0	0	0	12,572
108+00.00	10800.00	100.00	118.86	12.80	3.89	0.00	0.00	0.00	363	47	66	0	0	0	21,110	4,956	0	890	0	0	0	12,802
109+00.00	10900.00	100.00	234.80	12.80	0.00	0.00	0.00	0.00	655	47	7	0	0	0	21,765	4,965	0	890	0	0	0	13,401
110+00.00	11000.00	100.00	349.07	12.80	0.00	0.00	0.00	0.00	1,081	47	0	0	0	0	22,846	4,965	0	890	0	0	0	14,435
110+03.00	11003.00	3.00	0.00	12.80	0.00	0.00	0.00	0.00	19	1	0	0	0	0	22,865	4,965	0	890	0	0	0	14,453
128+20.00	12820.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	22,865	4,965	0	890	0	0	0	14,453
128+25.00	12825.00	5.00	319.07	26.94	0.00	0.00	0.00	0.00	30	4	0	0	0	0	22,895	4,965	0	890	0	0	0	14,479
129+00.00	12900.00	75.00	398.50	26.94	0.00	0.00	0.00	0.00	997	75	0	0	0	0	23,892	4,965	0	890	0	0	0	15,401

STH 140 EARTHWORK SUMMARY (CAT 0010) (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
									NOTE 1	NOTE 2	NOTE 3				1.00 NOTE 1	1.30	1.50 NOTE 4	1.00	1.30 NOTE 5	0.60 NOTE 6	0.80 NOTE 7	NOTE 8
130+00.00	13000.00	100.00	231.14	26.94	0.00	0.00	0.00	0.00	1,166	100	0	0	0	0	25,058	4,965	0	890	0	0	0	16,467
131+00.00	13100.00	100.00	219.26	26.94	0.00	0.00	0.00	0.00	834	100	0	0	0	0	25,892	4,965	0	890	0	0	0	17,201
132+00.00	13200.00	100.00	218.30	26.94	0.00	0.00	0.00	0.00	810	100	0	0	0	0	26,702	4,965	0	890	0	0	0	17,911
133+00.00	13300.00	100.00	221.07	26.94	0.09	0.00	6.30	0.00	814	100	0	0	12	0	27,516	4,949	0	902	0	0	0	18,641
134+00.00	13400.00	100.00	162.56	26.94	0.03	0.00	19.15	0.00	710	100	0	0	47	0	28,226	4,888	0	949	0	0	0	19,312
135+00.00	13500.00	100.00	107.89	26.94	3.85	0.00	23.48	0.00	501	100	7	0	79	0	28,727	4,794	0	1,028	0	0	0	19,807
136+00.00	13600.00	100.00	83.40	26.94	12.09	0.00	23.03	0.00	354	100	30	0	86	0	29,081	4,722	0	1,114	0	0	0	20,133
137+00.00	13700.00	100.00	76.68	26.94	33.73	0.00	24.06	0.00	296	100	85	0	87	0	29,377	4,719	0	1,201	0	0	0	20,332
138+00.00	13800.00	100.00	78.51	26.94	9.96	0.00	23.80	0.00	287	100	81	0	89	0	29,664	4,709	0	1,290	0	0	0	20,529
139+00.00	13900.00	100.00	88.14	26.94	9.26	0.00	21.55	0.00	309	100	36	0	84	0	29,973	4,646	0	1,374	0	0	0	20,801
140+00.00	14000.00	100.00	93.58	26.94	8.08	0.00	18.87	0.00	337	100	32	0	75	0	30,310	4,590	0	1,449	0	0	0	21,094
141+00.00	14100.00	100.00	127.15	26.94	4.34	0.00	17.40	0.00	409	100	23	0	67	0	30,719	4,533	0	1,516	0	0	0	21,460
142+00.00	14200.00	100.00	111.84	26.94	0.80	0.00	16.11	0.00	443	100	10	0	62	0	31,162	4,466	0	1,578	0	0	0	21,871
143+00.00	14300.00	100.00	128.99	26.94	2.46	0.00	15.83	0.00	446	100	6	0	59	0	31,608	4,397	0	1,637	0	0	0	22,285
144+00.00	14400.00	100.00	115.66	26.94	7.38	0.00	17.65	0.00	453	100	18	0	62	0	32,061	4,339	0	1,699	0	0	0	22,696
145+00.00	14500.00	100.00	101.76	26.94	12.97	0.00	20.49	0.00	403	100	38	0	71	0	32,464	4,297	0	1,770	0	0	0	23,042
146+00.00	14600.00	100.00	106.63	11.94	5.08	0.00	0.00	0.00	386	72	33	0	38	0	32,850	4,290	0	1,808	0	0	0	23,362
147+00.00	14700.00	100.00	74.42	11.94	38.03	0.00	0.00	0.00	335	44	80	0	0	0	33,185	4,394	0	1,808	0	0	0	23,549
148+00.00	14800.00	100.00	76.38	11.94	26.55	0.00	0.00	0.00	279	44	120	0	0	0	33,464	4,550	0	1,808	0	0	0	23,628
149+00.00	14900.00	100.00	87.25	11.94	17.12	0.00	0.00	0.00	303	44	81	0	0	0	33,767	4,655	0	1,808	0	0	0	23,782
150+00.00	15000.00	100.00	98.24	11.94	29.17	0.00	0.00	0.00	344	44	86	0	0	0	34,111	4,767	0	1,808	0	0	0	23,970
151+00.00	15100.00	100.00	89.64	11.94	34.66	0.00	0.00	0.00	348	44	118	0	0	0	34,459	4,921	0	1,808	0	0	0	24,121
152+00.00	15200.00	100.00	54.21	11.94	50.07	0.00	0.00	0.00	266	44	157	0	0	0	34,725	5,125	0	1,808	0	0	0	24,138
153+00.00	15300.00	100.00	33.43	11.94	81.38	0.00	0.00	0.00	162	44	243	0	0	0	34,887	5,441	0	1,808	0	0	0	23,941
154+00.00	15400.00	100.00	16.44	11.94	113.41	0.00	0.00	0.00	92	44	361	0	0	0	34,979	5,910	0	1,808	0	0	0	23,519
155+00.00	15500.00	100.00	7.10	11.94	139.48	0.00	0.00	0.00	44	44	468	0	0	0	35,023	6,518	0	1,808	0	0	0	22,911
156+00.00	15600.00	100.00	0.19	11.94	145.73	0.00	0.00	0.00	13	44	528	0	0	0	35,036	7,205	0	1,808	0	0	0	22,193
157+00.00	15700.00	100.00	4.33	11.94	128.71	0.00	0.00	0.00	8	44	508	0	0	0	35,044	7,865	0	1,808	0	0	0	21,497
158+00.00	15800.00	100.00	4.26	11.94	128.15	0.00	0.00	0.00	16	44	476	0	0	0	35,060	8,484	0	1,808	0	0	0	20,850
159+00.00	15900.00	100.00	14.70	11.94	121.96	0.00	0.00	0.00	35	44	463	0	0	0	35,095	9,086	0	1,808	0	0	0	20,239
160+00.00	16000.00	100.00	0.05	11.94	144.84	0.00	0.00	0.00	27	44	494	0	0	0	35,122	9,728	0	1,808	0	0	0	19,580
161+00.00	16100.00	100.00	2.12	11.94	157.74	0.00	0.00	0.00	4	44	560	0	0	0	35,126	10,456	0	1,808	0	0	0	18,812
162+00.00	16200.00	100.00	3.53	11.94	174.44	0.00	0.00	0.00	10	44	615	0	0	0	35,136	11,255	0	1,808	0	0	0	17,979
163+00.00	16300.00	100.00	1.47	11.94	199.97	0.00	0.00	0.00	9	44	693	0	0	0	35,145	12,156	0	1,808	0	0	0	17,043
164+00.00	16400.00	100.00	0.82	26.94	208.80	0.00	86.83	0.00	4	72	757	0	161	0	35,149	12,931	0	1,969	0	0	0	16,200
165+00.00	16500.00	100.00	0.00	26.94	214.88	0.00	83.11	0.00	2	100	785	0	315	0	35,151	13,542	0	2,284	0	0	0	15,491
166+00.00	16600.00	100.00	0.00	26.94	187.46	0.00	73.51	0.00	0	100	745	0	290	0	35,151	14,134	0	2,574	0	0	0	14,799
167+00.00	16700.00	100.00	1.43	26.94	127.83	0.00	60.27	0.00	3	100	584	0	248	0	35,154	14,570	0	2,822	0	0	0	14,266
168+00.00	16800.00	100.00	39.20	26.94	57.31	0.00	46.70	0.00	75	100	343	0	198	0	35,229	14,759	0	3,020	0	0	0	14,052
169+00.00	16900.00	100.00	69.95	26.94	22.19	0.00	33.76	0.00	202	100	147	0	149	0	35,431	14,756	0	3,169	0	0	0	14,157
170+00.00	17000.00	100.00	103.48	26.94	5.19	0.00	25.99	0.00	321	100	51	0	111	0	35,752	14,678	0	3,280	0	0	0	14,456
171+00.00	17100.00	100.00	120.87	26.94	1.08	0.00	24.23	0.00	415	100	12	0	93	0	36,167	14,573	0	3,373	0	0	0	14,876
172+00.00	17200.00	100.00	84.40	26.94	7.98	0.00	32.02	0.00	380	100	17	0	104	0	36,547	14,460	0	3,477	0	0	0	15,269
173+00.00	17300.00	100.00	84.17	26.94	10.49	0.00	40.98	0.00	312	100	34	0	135	0	36,859	14,329	0	3,612	0	0	0	15,612
174+00.00	17400.00	100.00	20.00	26.94	47.61	0.00	51.65	0.00	193	100	108	0	172	0	37,052	14,245	0	3,784	0	0	0	15,789
175+00.00	17500.00	100.00	25.16	26.94	53.72	0.00	48.84	0.00	84	100	188	0	186	0	37,136	14,248	0	3,970	0	0	0	15,770
176+00.00	17600.00	100.00	12.47	26.94	55.93	0.00	55.09	0.00	70	100	203	0	192	0	37,206	14,262	0	4,162	0	0	0	15,726
177+00.00	17700.00	100.00	2.22	26.94	67.25	0.00	60.09	0.00	27	100	228	0	213	0	37,233	14,282	0	4,375	0	0	0	15,633
178+00.00	17800.00	100.00	0.07	26.94	73.56	0.00	62.08	0.00	4	100	261	0	226	0	37,237	14,327	0	4,601	0	0	0	15,492
179+00.00	17900.00	100.00	0.00	26.94	76.05	0.00	63.65	0.00	0	100	277	0	233	0	37,237	14,385	0	4,834	0	0	0	15,335
180+00.00	18000.00	100.00	0.32	26.94	79.08	0.00	64.21	0.00	1	100	287	0	237	0	37,238	14,450	0	5,071	0	0	0	15,171
181+00.00	18100.00	100.00	1.04	26.94	60.18	0.00	62.83	0.00	3	100	258	0	235	0	37,241	14,479	0	5,306	0	0	0	15,044
182+00.00	18200.00	100.00	20.14	26.94	36.33	0.00	55.31	0.00	39	100	179	0	219	0	37,280	14,427	0	5,525	0	0	0	15,035
183+00.00	18300.00	100.00	33.90	26.94	25.19	0.00	48.91	0.00	100	100	114	0	193	0	37,380	14,325	0	5,718	0	0	0	15,137
184+00.00	18400.00	100.00	85.72	26.94	5.55	0.00	34.50	0.00	222	100	57	0	154	0	37,602	14,199	0	5,872	0	0	0	15,385

STH 140 EARTHWORK SUMMARY (CAT 0010) (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.30	1.50	1.00	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
185+00.00	18500.00	100.00	191.61	26.94	0.04	0.00	24.08	0.00	514	100	10	0	108	0	38,116	14,071	0	5,980	0	0	0	15,927
186+00.00	18600.00	100.00	269.46	26.94	1.50	0.00	14.73	0.00	854	100	3	0	72	0	38,970	13,982	0	6,052	0	0	0	16,771
187+00.00	18700.00	100.00	273.92	26.94	5.44	0.00	10.61	0.00	1,006	100	13	0	47	0	39,976	13,937	0	6,099	0	0	0	17,721
188+00.00	18800.00	100.00	128.28	26.94	9.97	0.00	22.49	0.00	745	100	29	0	61	0	40,721	13,896	0	6,160	0	0	0	18,407
189+00.00	18900.00	100.00	141.50	26.94	13.91	0.00	28.05	0.00	500	100	44	0	94	0	41,221	13,831	0	6,254	0	0	0	18,872
190+00.00	19000.00	100.00	128.56	26.94	13.73	0.00	30.72	0.00	500	100	51	0	109	0	41,721	13,755	0	6,363	0	0	0	19,348
191+00.00	19100.00	100.00	101.32	26.94	17.14	0.00	41.66	0.00	426	100	57	0	134	0	42,147	13,655	0	6,497	0	0	0	19,774
192+00.00	19200.00	100.00	82.86	26.94	23.53	0.00	48.56	0.00	341	100	75	0	167	0	42,488	13,536	0	6,664	0	0	0	20,134
193+00.00	19300.00	100.00	73.21	26.94	38.98	0.00	60.92	0.00	289	100	116	0	203	0	42,777	13,423	0	6,867	0	0	0	20,437
194+00.00	19400.00	100.00	153.67	26.94	78.04	0.00	59.49	0.00	420	100	217	0	223	0	43,197	13,415	0	7,090	0	0	0	20,764
195+00.00	19500.00	100.00	128.37	26.94	35.42	0.00	46.46	0.00	522	100	210	0	196	0	43,719	13,433	0	7,286	0	0	0	21,168
196+00.00	19600.00	100.00	88.67	26.94	32.66	0.00	56.52	0.00	402	100	126	0	191	0	44,121	13,348	0	7,477	0	0	0	21,555
197+00.00	19700.00	100.00	80.24	26.94	39.99	0.00	54.34	0.00	313	100	135	0	205	0	44,434	13,257	0	7,682	0	0	0	21,859
198+00.00	19800.00	100.00	51.01	26.94	9.21	0.00	44.01	0.00	243	100	91	0	182	0	44,677	13,139	0	7,864	0	0	0	22,120
199+00.00	19900.00	100.00	127.21	26.94	1.03	0.00	31.28	0.00	330	100	19	0	139	0	45,007	12,983	0	8,003	0	0	0	22,506
200+00.00	20000.00	100.00	185.54	26.94	0.00	0.00	20.12	0.00	579	100	2	0	95	0	45,586	12,862	0	8,098	0	0	0	23,106
201+00.00	20100.00	100.00	246.23	26.94	0.00	0.00	4.23	0.00	800	100	0	0	45	0	46,386	12,804	0	8,143	0	0	0	23,864
202+00.00	20200.00	100.00	313.33	26.94	17.28	0.00	0.00	0.00	1,036	100	32	0	8	0	47,422	12,835	0	8,151	0	0	0	24,769
203+00.00	20300.00	100.00	338.47	26.94	8.55	0.00	0.00	0.00	1,207	100	48	0	0	0	48,629	12,897	0	8,151	0	0	0	25,814
204+00.00	20400.00	100.00	244.68	26.94	8.73	0.00	0.00	0.00	1,080	100	32	0	0	0	49,709	12,939	0	8,151	0	0	0	26,752
205+00.00	20500.00	100.00	140.11	26.94	8.55	0.00	10.25	0.00	713	100	32	0	19	0	50,422	12,956	0	8,170	0	0	0	27,348
206+00.00	20600.00	100.00	79.11	26.94	10.18	0.00	27.22	0.00	406	100	35	0	69	0	50,828	12,912	0	8,239	0	0	0	27,698
207+00.00	20700.00	100.00	43.55	26.94	34.27	0.00	43.44	0.00	227	100	82	0	131	0	51,055	12,848	0	8,370	0	0	0	27,889
208+00.00	20800.00	100.00	41.63	26.94	33.76	0.00	48.27	0.00	158	100	126	0	170	0	51,213	12,791	0	8,540	0	0	0	28,004
209+00.00	20900.00	100.00	68.20	26.94	26.27	0.00	46.63	0.00	203	100	111	0	176	0	51,416	12,706	0	8,716	0	0	0	28,192
210+00.00	21000.00	100.00	59.50	26.94	22.24	0.00	47.90	0.00	236	100	90	0	175	0	51,652	12,596	0	8,891	0	0	0	28,438
211+00.00	21100.00	100.00	61.11	26.94	23.87	0.00	42.15	0.00	223	100	85	0	167	0	51,875	12,489	0	9,058	0	0	0	28,668
212+00.00	21200.00	100.00	54.38	26.94	40.90	0.00	40.60	0.00	214	100	120	0	153	0	52,089	12,446	0	9,211	0	0	0	28,825
213+00.00	21300.00	100.00	42.69	26.94	45.55	0.00	39.26	0.00	180	100	160	0	148	0	52,269	12,462	0	9,359	0	0	0	28,889
214+00.00	21400.00	100.00	34.78	26.94	67.90	0.00	41.43	0.00	143	100	210	0	149	0	52,412	12,541	0	9,508	0	0	0	28,853
215+00.00	21500.00	100.00	20.47	26.94	80.64	0.00	48.58	0.00	102	100	275	0	167	0	52,514	12,682	0	9,675	0	0	0	28,715
216+00.00	21600.00	100.00	5.53	26.94	121.26	0.00	56.31	0.00	48	100	374	0	194	0	52,562	12,916	0	9,869	0	0	0	28,429
217+00.00	21700.00	100.00	0.82	26.94	146.97	0.00	60.47	0.00	12	100	497	0	216	0	52,574	13,281	0	10,085	0	0	0	27,975
218+00.00	21800.00	100.00	4.12	26.94	149.68	0.00	57.54	0.00	9	100	549	0	219	0	52,583	13,710	0	10,304	0	0	0	27,455
219+00.00	21900.00	100.00	8.85	26.94	138.61	0.00	57.58	0.00	24	100	534	0	213	0	52,607	14,127	0	10,517	0	0	0	26,962
220+00.00	22000.00	100.00	19.55	26.94	116.17	0.00	54.56	0.00	53	100	472	0	208	0	52,660	14,470	0	10,725	0	0	0	26,572
221+00.00	22100.00	100.00	30.89	26.94	84.54	0.00	53.37	0.00	93	100	372	0	200	0	52,753	14,694	0	10,925	0	0	0	26,341
222+00.00	22200.00	100.00	51.35	26.94	67.48	0.00	48.39	0.00	152	100	282	0	188	0	52,905	14,816	0	11,113	0	0	0	26,271
223+00.00	22300.00	100.00	89.09	26.94	45.99	0.00	43.23	0.00	260	100	210	0	170	0	53,165	14,868	0	11,283	0	0	0	26,379
224+00.00	22400.00	100.00	70.16	26.94	127.15	0.00	37.48	0.00	295	100	321	0	149	0	53,460	15,092	0	11,432	0	0	0	26,350
225+00.00	22500.00	100.00	81.86	26.94	80.09	0.00	34.99	0.00	282	100	384	0	134	0	53,742	15,417	0	11,566	0	0	0	26,207
226+00.00	22600.00	100.00	65.40	26.94	16.64	0.00	32.22	0.00	273	100	179	0	124	0	54,015	15,488	0	11,690	0	0	0	26,309
227+00.00	22700.00	100.00	70.36	26.94	10.33	0.00	32.16	0.00	251	100	50	0	119	0	54,266	15,399	0	11,809	0	0	0	26,550
228+00.00	22800.00	100.00	75.41	26.94	7.70	0.00	27.24	0.00	270	100	33	0	110	0	54,536	15,298	0	11,919	0	0	0	26,820
229+00.00	22900.00	100.00	91.58	26.94	2.32	0.00	21.59	0.00	309	100	19	0	90	0	54,845	15,206	0	12,009	0	0	0	27,121
230+00.00	23000.00	100.00	100.98	26.94	2.30	0.00	19.24	0.00	357	100	9	0	76	0	55,202	15,119	0	12,085	0	0	0	27,465
231+00.00	23100.00	100.00	108.95	26.94	1.45	0.00	17.14	0.00	389	100	7	0	67	0	55,591	15,041	0	12,152	0	0	0	27,832
232+00.00	23200.00	100.00	132.87	26.94	0.16	0.00	8.13	0.00	448	100	3	0	47	0	56,039	14,984	0	12,199	0	0	0	28,237
233+00.00	23300.00	100.00	216.24	26.94	0.00	0.00	0.00	0.00	646	100	0	0	15	0	56,685	14,964	0	12,214	0	0	0	28,803
234+00.00	23400.00	100.00	286.02	26.94	0.00	0.00	0.00	0.00	930	100	0	0	0	0	57,615	14,964	0	12,214	0	0	0	29,633
235+00.00	23500.00	100.00	401.78	26.94	0.00	0.00	0.00	0.00	1,274	100	0	0	0	0	58,889	14,964	0	12,214	0	0	0	30,807
236+00.00	23600.00	100.00	444.56	26.94	0.00	0.00	0.00	0.00	1,567	100	0	0	0	0	60,456	14,964	0	12,214	0	0	0	32,274
237+00.00	23700.00	100.00	325.06	26.94	0.00	0.00	0.00	0.00	1,425	100	0	0	0	0	61,881	14,964	0	12,214	0	0	0	33,599
238+00.00	23800.00	100.00	272.21	26.94	0.00	0.00	0.00	0.00	1,106	100	0	0	0	0	62,987	14,964	0	12,214	0	0	0	34,605
239+00.00	23900.00	100.00	136.18	26.94	0.32	0.00	10.32	0.00	756	100	1	0	19	0	63,743	14,941	0	12,233	0	0	0	35,284

STH 140 EARTHWORK SUMMARY (CAT 0010) (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.30	1.50	1.00	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
240+00.00	24000.00	100.00	88.56	26.94	21.85	0.00	16.84	0.00	416	100	41	0	50	0	64,159	14,929	0	12,283	0	0	0	35,612
241+00.00	24100.00	100.00	95.64	26.94	31.00	0.00	13.72	0.00	341	100	98	0	57	0	64,500	14,983	0	12,340	0	0	0	35,800
242+00.00	24200.00	100.00	105.55	26.94	19.07	0.00	13.41	0.00	373	100	93	0	50	0	64,873	15,038	0	12,390	0	0	0	36,017
243+00.00	24300.00	100.00	112.32	26.94	10.68	0.00	11.21	0.00	403	100	55	0	46	0	65,276	15,050	0	12,436	0	0	0	36,308
244+00.00	24400.00	100.00	125.02	26.94	1.48	0.00	13.33	0.00	440	100	23	0	45	0	65,716	15,022	0	12,481	0	0	0	36,677
245+00.00	24500.00	100.00	160.46	26.94	0.18	0.00	13.20	0.00	529	100	3	0	49	0	66,245	14,962	0	12,530	0	0	0	37,165
246+00.00	24600.00	100.00	152.24	26.94	0.59	0.00	9.90	0.00	579	100	1	0	43	0	66,824	14,907	0	12,573	0	0	0	37,699
247+00.00	24700.00	100.00	167.10	26.94	0.00	0.00	7.66	0.00	591	100	1	0	33	0	67,415	14,866	0	12,606	0	0	0	38,232
248+00.00	24800.00	100.00	143.16	26.94	0.38	0.00	5.95	0.00	575	100	1	0	25	0	67,990	14,834	0	12,631	0	0	0	38,738
249+00.00	24900.00	100.00	144.48	26.94	0.00	0.00	4.24	0.00	533	100	1	0	19	0	68,523	14,811	0	12,650	0	0	0	39,194
250+00.00	25000.00	100.00	140.77	26.94	0.13	0.00	4.56	0.00	528	100	0	0	16	0	69,051	14,790	0	12,666	0	0	0	39,643
251+00.00	25100.00	100.00	128.17	26.94	10.80	0.00	9.26	0.00	498	100	20	0	26	0	69,549	14,782	0	12,692	0	0	0	40,049
252+00.00	25200.00	100.00	122.71	26.94	1.67	0.00	14.64	0.00	465	100	23	0	44	0	70,014	14,755	0	12,736	0	0	0	40,441
253+00.00	25300.00	100.00	95.56	26.94	4.08	0.00	21.64	0.00	404	100	11	0	67	0	70,418	14,682	0	12,803	0	0	0	40,818
254+00.00	25400.00	100.00	98.11	26.94	18.48	0.00	25.16	0.00	359	100	42	0	87	0	70,777	14,624	0	12,890	0	0	0	41,135
255+00.00	25500.00	100.00	99.30	26.94	34.21	0.00	27.47	0.00	366	100	98	0	97	0	71,143	14,625	0	12,987	0	0	0	41,400
256+00.00	25600.00	100.00	86.52	26.94	29.24	0.00	28.85	0.00	344	100	118	0	104	0	71,487	14,643	0	13,091	0	0	0	41,626
257+00.00	25700.00	100.00	93.80	26.94	11.86	0.00	24.97	0.00	334	100	76	0	100	0	71,821	14,612	0	13,191	0	0	0	41,891
258+00.00	25800.00	100.00	99.66	26.94	2.91	0.00	21.88	0.00	358	100	27	0	87	0	72,179	14,534	0	13,278	0	0	0	42,227
259+00.00	25900.00	100.00	101.25	26.94	6.62	0.00	17.26	0.00	372	100	18	0	72	0	72,551	14,464	0	13,350	0	0	0	42,569
260+00.00	26000.00	100.00	102.69	26.94	15.87	0.00	15.05	0.00	378	100	42	0	60	0	72,929	14,440	0	13,410	0	0	0	42,871
261+00.00	26100.00	100.00	112.38	26.94	16.77	0.00	16.20	0.00	398	100	60	0	58	0	73,327	14,443	0	13,468	0	0	0	43,166
262+00.00	26200.00	100.00	93.60	26.94	13.08	0.00	16.79	0.00	381	100	55	0	61	0	73,708	14,435	0	13,529	0	0	0	43,455
263+00.00	26300.00	100.00	89.62	26.94	8.70	0.00	20.01	0.00	339	100	40	0	68	0	74,047	14,399	0	13,597	0	0	0	43,730
264+00.00	26400.00	100.00	112.13	26.94	2.29	0.00	21.00	0.00	374	100	20	0	76	0	74,421	14,326	0	13,673	0	0	0	44,077
265+00.00	26500.00	100.00	141.33	26.94	0.22	0.00	15.53	0.00	469	100	5	0	68	0	74,890	14,244	0	13,741	0	0	0	44,528
266+00.00	26600.00	100.00	128.49	26.94	0.23	0.00	11.28	0.00	500	100	1	0	50	0	75,390	14,180	0	13,791	0	0	0	44,992
267+00.00	26700.00	100.00	248.04	26.94	0.00	0.00	1.65	0.00	697	100	0	0	24	0	76,087	14,149	0	13,815	0	0	0	45,620
268+00.00	26800.00	100.00	254.90	26.94	0.30	0.00	0.00	0.00	931	100	1	0	3	0	77,018	14,147	0	13,818	0	0	0	46,453
269+00.00	26900.00	100.00	200.25	26.94	2.86	0.00	0.00	0.00	843	100	6	0	0	0	77,861	14,154	0	13,818	0	0	0	47,189
270+00.00	27000.00	100.00	120.88	26.94	1.48	0.00	10.56	0.00	595	100	8	0	20	0	78,456	14,139	0	13,838	0	0	0	47,699
271+00.00	27100.00	100.00	107.45	26.94	11.08	0.00	12.21	0.00	423	100	23	0	42	0	78,879	14,114	0	13,880	0	0	0	48,047
271+80.00	27180.00	80.00	129.61	26.94	1.89	0.00	8.49	0.00	351	80	19	0	31	0	79,230	14,099	0	13,911	0	0	0	48,334

TIGHE RD EARTHWORK SUMMARY (CAT 0010)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.30	1.50	1.00	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
30+74.61	3074.61	0.00	28.45	16.52	38.85	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31+00.00	3100.00	25.39	38.53	16.52	29.58	0.00	0.00	0.00	31	16	32	0	0	0	31	42	0	0	0	0	0	-27
32+00.00	3200.00	100.00	64.51	16.52	0.03	0.00	0.00	0.00	191	61	55	0	0	0	222	113	0	0	0	0	0	32

CTH P (WEST) EARTHWORK SUMMARY (CAT 0010)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.30	1.50	1.00	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
21+00.00	2100.00	0.00	85.45	8.18	4.48	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22+00.00	2200.00	100.00	80.75	8.18	15.72	0.00	0.00	0.00	308	30	37	0	0	0	308	48	0	0	0	0	0	230
23+00.00	2300.00	100.00	87.09	8.18	13.80	0.00	0.00	0.00	311	30	55	0	0	0	619	120	0	0	0	0	0	439
24+00.00	2400.00	100.00	87.88	8.18	7.49	0.00	0.00	0.00	324	30	39	0	0	0	943	170	0	0	0	0	0	683
25+00.00	2500.00	100.00	116.06	8.18	2.20	0.00	0.00	0.00	378	30	18	0	0	0	1,321	194	0	0	0	0	0	1,007
26+00.00	2600.00	100.00	142.16	8.18	6.27	0.00	0.00	0.00	478	30	16	0	0	0	1,799	215	0	0	0	0	0	1,435
27+00.00	2700.00	100.00	98.12	8.18	11.28	0.00	0.00	0.00	445	30	33	0	0	0	2,244	257	0	0	0	0	0	1,807
28+00.00	2800.00	100.00	178.62	8.18	15.84	0.00	0.00	0.00	512	30	50	0	0	0	2,756	322	0	0	0	0	0	2,224
29+00.00	2900.00	100.00	150.60	8.18	18.67	0.00	0.00	0.00	610	30	64	0	0	0	3,366	406	0	0	0	0	0	2,720

CTH P (EAST) EARTHWORK SUMMARY (CAT 0010)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.30	1.50	1.00	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
31+00.00	3100.00	0.00	43.89	11.91	17.72	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32+00.00	3200.00	100.00	46.87	11.91	50.81	0.00	0.00	0.00	168	44	127	0	0	0	168	165	0	0	0	0	0	-41
33+00.00	3300.00	100.00	65.92	11.91	25.63	0.00	0.00	0.00	209	44	142	0	0	0	377	350	0	0	0	0	0	-61
34+00.00	3400.00	100.00	96.80	11.91	4.06	0.00	0.00	0.00	301	44	55	0	0	0	678	421	0	0	0	0	0	125
35+00.00	3500.00	100.00	63.06	11.91	0.35	0.00	0.00	0.00	296	44	8	0	0	0	974	432	0	0	0	0	0	366

LAKESHORE RD (WEST) EARTHWORK SUMMARY (CAT 0010)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.30	1.50	1.00	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
28+00.00	2800.00	0.00	65.24	22.41	2.80	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29+00.00	2900.00	100.00	59.44	22.41	15.39	0.00	0.00	0.00	231	83	34	0	0	0	231	44	0	0	0	0	0	104

LAKESHORE RD (EAST) EARTHWORK SUMMARY (CAT 0010)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.30	1.50	1.00	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
31+00.00	3100.00	0.00	84.75	21.15	4.36	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31+99.94	3199.94	99.94	73.48	21.15	0.05	0.00	0.00	0.00	293	78	8	0	0	0	293	10	0	0	0	0	0	205

STH 140 EARTHWORK SUMMARY (CAT 0020)

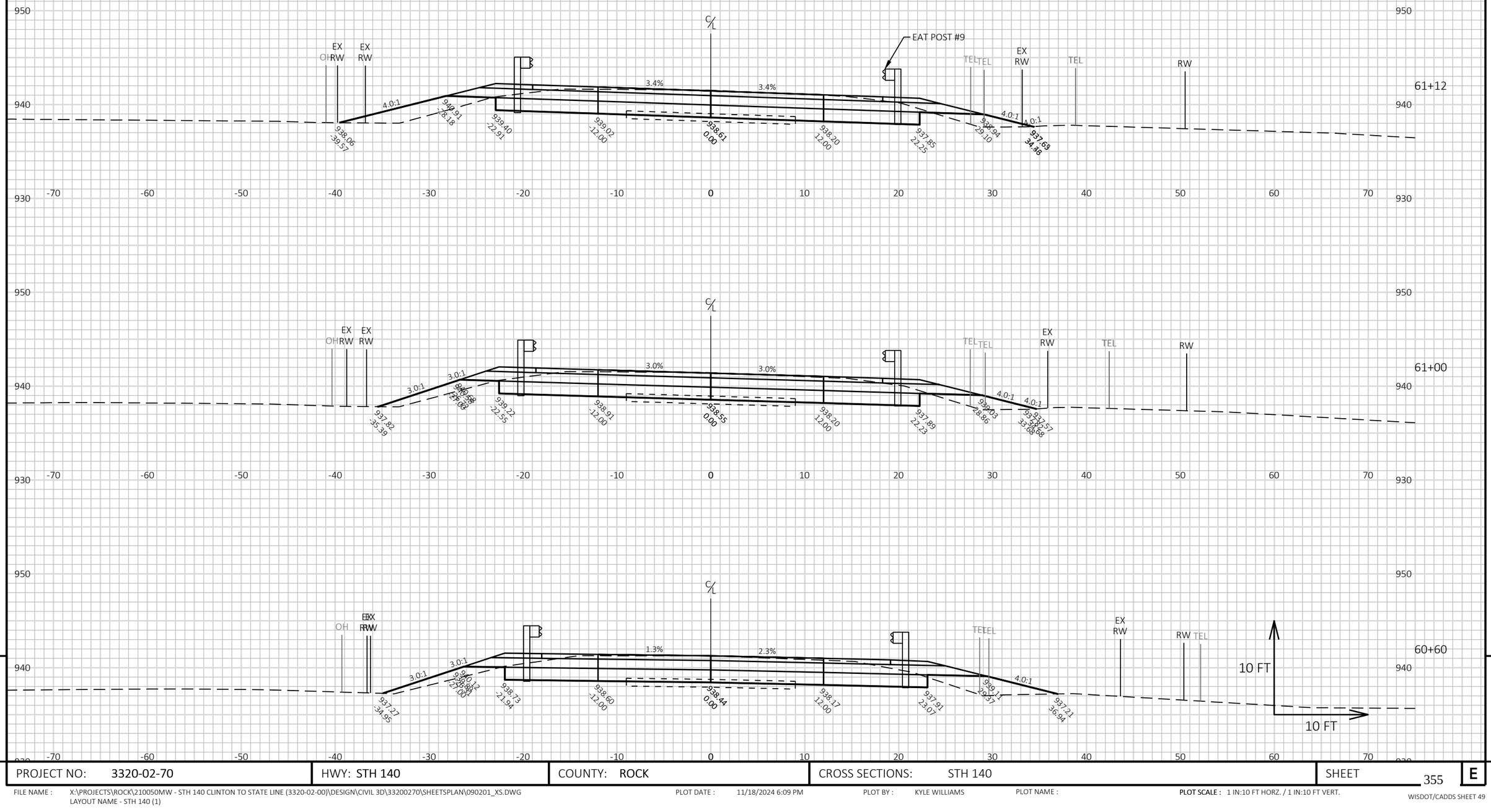
STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CONC PVMT EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED CONC PVMT	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.25	1.50	1.00	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
110+05.00	11005.00	0.00	361.03	26.95	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111+00.00	11100.00	95.00	530.75	26.95	0.00	0.00	0.00	0.00	1,569	95	0	0	0	0	1,569	0	0	0	0	0	0	1,474
112+00.00	11200.00	100.00	648.80	26.95	0.00	0.00	0.00	0.00	2,184	100	0	0	0	0	3,753	0	0	0	0	0	0	3,558
113+00.00	11300.00	100.00	693.33	26.95	0.00	0.00	0.00	0.00	2,485	100	0	0	0	0	6,238	0	0	0	0	0	0	5,943
114+00.00	11400.00	100.00	560.23	26.95	0.00	0.00	0.00	0.00	2,321	100	0	0	0	0	8,559	0	0	0	0	0	0	8,164
115+00.00	11500.00	100.00	474.76	26.95	0.17	0.00	0.00	0.00	1,917	100	0	0	0	0	10,476	0	0	0	0	0	0	9,981
116+00.00	11600.00	100.00	457.75	26.95	0.00	0.00	0.00	0.00	1,727	100	0	0	0	0	12,203	0	0	0	0	0	0	11,608
117+00.00	11700.00	100.00	347.52	26.95	0.00	0.00	0.00	0.00	1,491	100	0	0	0	0	13,694	0	0	0	0	0	0	12,999
118+00.00	11800.00	100.00	331.44	26.95	7.17	0.00	0.00	0.00	1,257	100	13	0	0	0	14,951	16	0	0	0	0	0	14,140
119+00.00	11900.00	100.00	771.50	26.95	27.39	0.00	0.00	0.00	2,042	100	64	0	0	0	16,993	96	0	0	0	0	0	16,002
120+00.00	12000.00	100.00	394.06	26.95	114.09	0.00	0.00	0.00	2,158	100	262	0	0	0	19,151	424	0	0	0	0	0	17,732
121+00.00	12100.00	100.00	67.60	26.95	129.18	0.00	0.00	0.00	855	100	451	0	0	0	20,006	988	0	0	0	0	0	17,924
122+00.00	12200.00	100.00	69.99	26.95	312.71	0.00	0.00	255.47	255	100	818	0	0	473	20,261	1,537	0	0	615	0	378	17,529
123+00.00	12300.00	100.00	142.39	26.95	115.48	0.00	0.00	164.16	393	100	793	0	0	777	20,654	1,751	0	0	1,625	0	1,000	17,608
124+00.00	12400.00	100.00	127.16	26.95	46.08	0.00	27.13	0.00	499	100	299	0	50	304	21,153	1,759	0	50	2,020	0	1,243	18,000
125+00.00	12500.00	100.00	140.62	26.95	8.93	0.00	29.92	0.00	496	100	102	0	106	0	21,649	1,754	0	156	2,020	0	1,243	18,401
126+00.00	12600.00	100.00	155.13	26.95	0.08	0.00	25.43	0.00	548	100	17	0	103	0	22,197	1,646	0	259	2,020	0	1,243	18,956
127+00.00	12700.00	100.00	198.21	26.95	0.00	0.00	12.15	0.00	654	100	0	0	70	0	22,851	1,559	0	329	2,020	0	1,243	19,598
128+00.00	12800.00	100.00	243.88	26.95	0.00	0.00	0.15	0.00	819	100	0	0	23	0	23,670	1,530	0	352	2,020	0	1,243	20,345
128+14.41	12814.41	14.41	0.00	26.95	0.00	0.00	0.00	0.00	65	14	0	0	0	0	23,735	1,530	0	352	2,020	0	1,243	20,396

STH 67 (WEST LEG) EARTHWORK SUMMARY (CAT 0020)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED ROCK	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.25	1.50	1.10	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
207+35.00	20735.00	0.00	80.77	6.70	22.42	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208+00.00	20800.00	65.00	154.51	6.70	35.01	0.00	0.00	0.00	283	16	69	0	0	0	283	86	0	0	0	0	0	181
209+00.00	20900.00	100.00	108.62	6.70	8.71	0.00	0.00	0.00	487	25	81	0	0	0	770	188	0	0	0	0	0	542
210+00.00	21000.00	100.00	65.57	6.70	16.12	0.00	0.00	0.00	323	25	46	0	0	0	1093	245	0	0	0	0	0	782
211+00.00	21100.00	100.00	53.34	6.70	26.17	0.00	0.00	0.00	220	25	78	0	0	0	1313	343	0	0	0	0	0	880
212+00.00	21200.00	100.00	44.91	6.70	43.58	0.00	0.00	0.00	182	25	129	0	0	0	1495	504	0	0	0	0	0	875
213+00.00	21300.00	100.00	61.23	6.70	34.69	0.00	0.00	0.00	197	25	145	0	0	0	1692	685	0	0	0	0	0	866
214+00.00	21400.00	100.00	121.24	6.70	10.65	0.00	0.00	0.00	338	25	84	0	0	0	2030	790	0	0	0	0	0	1074
215+00.00	21500.00	100.00	92.72	6.70	3.38	0.00	0.00	0.00	396	25	26	0	0	0	2426	823	0	0	0	0	0	1413
216+00.00	21600.00	100.00	30.95	6.70	62.76	0.00	0.00	0.00	229	25	122	0	0	0	2655	975	0	0	0	0	0	1464

STH 67 (EAST LEG) EARTHWORK SUMMARY (CAT 0020)

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED ROCK	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
															1.00	1.25	1.50	1.10	1.30	0.60	0.80	
									NOTE 1	NOTE 2	NOTE 3				NOTE 1		NOTE 4		NOTE 5	NOTE 6	NOTE 7	NOTE 8
219+00.00	21900.00	0.00	360.18	7.20	7.43	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220+00.00	22000.00	100.00	207.16	7.20	0.00	0.00	0.00	0.00	1051	27	14	0	0	0	1051	18	0	0	0	0	0	1007
221+00.00	22100.00	100.00	234.24	7.20	0.01	0.00	0.00	0.00	817	27	0	0	0	0	1868	18	0	0	0	0	0	1797
222+00.00	22200.00	100.00	241.71	7.20	0.00	0.00	0.00	0.00	881	27	0	0	0	0	2749	18	0	0	0	0	0	2651
223+00.00	22300.00	100.00	255.91	7.20	0.37	0.00	0.00	0.00	922	27	1	0	0	0	3671	19	0	0	0	0	0	3544
224+00.00	22400.00	100.00	228.00	7.20	2.28	0.00	0.00	0.00	896	27	5	0	0	0	4567	25	0	0	0	0	0	4407
225+00.00	22500.00	100.00	189.74	7.20	1.80	0.00	0.00	0.00	774	27	8	0	0	0	5341	35	0	0	0	0	0	5144
226+00.00	22600.00	100.00	217.08	7.20	0.00	0.00	0.00	0.00	753	27	3	0	0	0	6094	39	0	0	0	0	0	5866
227+00.00	22700.00	100.00	86.39	7.20	2.03	0.00	0.00	0.00	562	27	4	0	0	0	6656	44	0	0	0	0	0	6396
227+19.00	22719.00	19.00	76.46	7.20	0.25	0.00	0.00	0.00	57	5	1	0	0	0	6713	45	0	0	0	0	0	6447



9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 355	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (1)

PLOT DATE : 11/18/2024 6:09 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

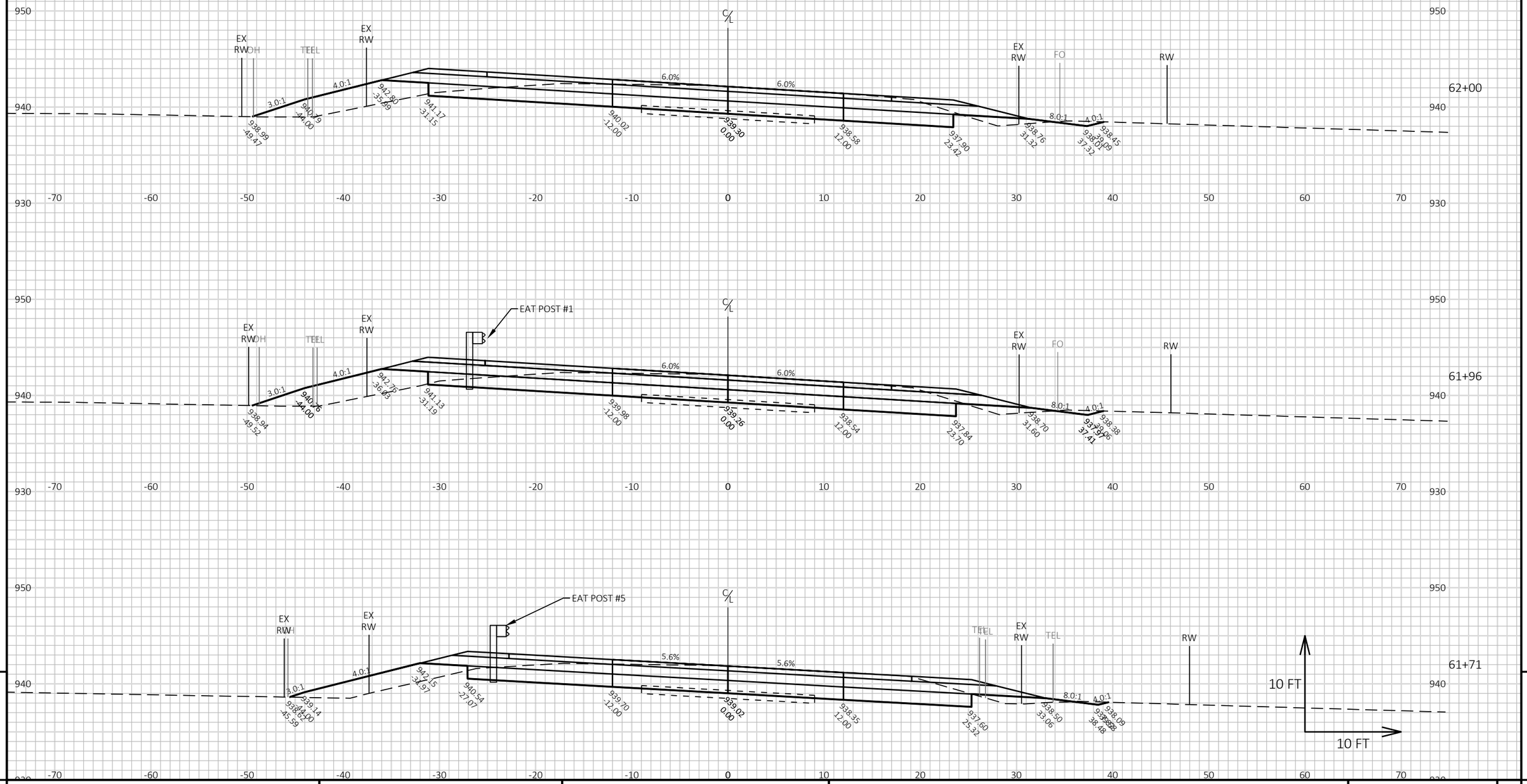
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 356	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (2)

PLOT DATE : 11/18/2024 6:12 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

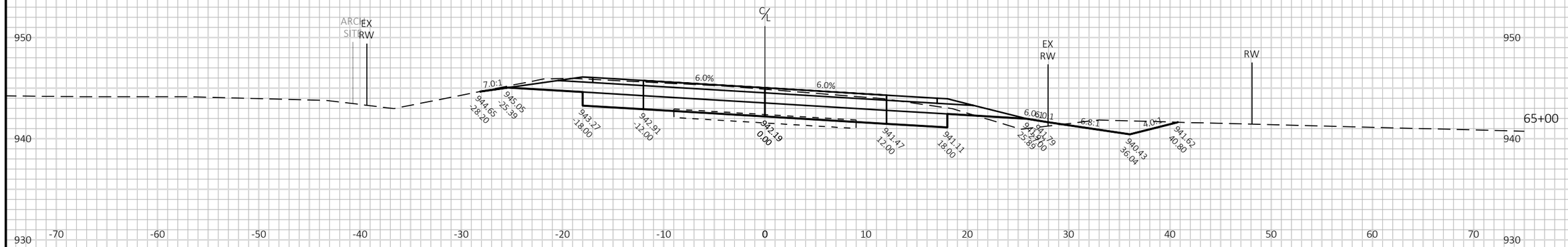
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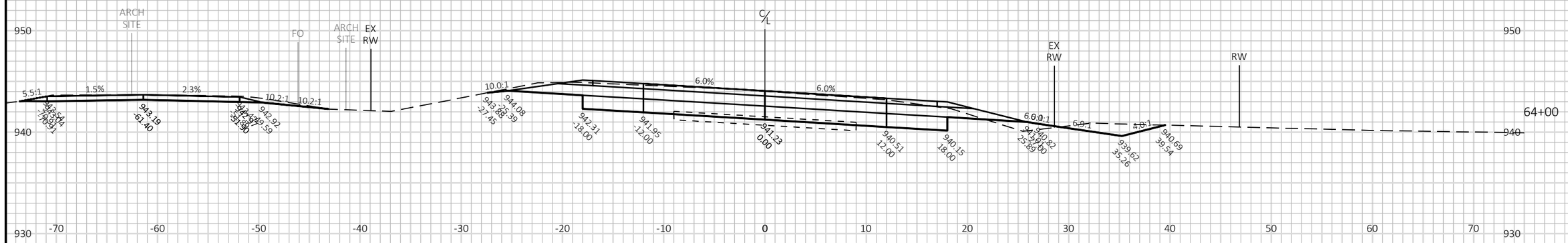
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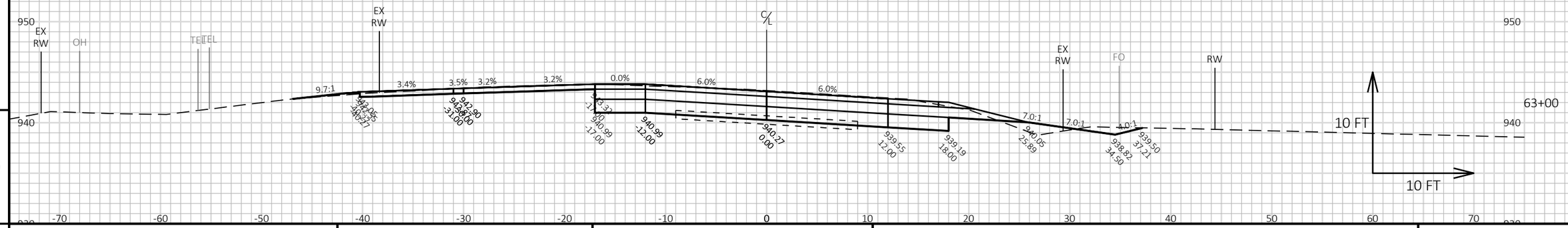
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LAYOUT NAME - STH 140 (3)

PLOT DATE : 11/18/2024 6:14 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

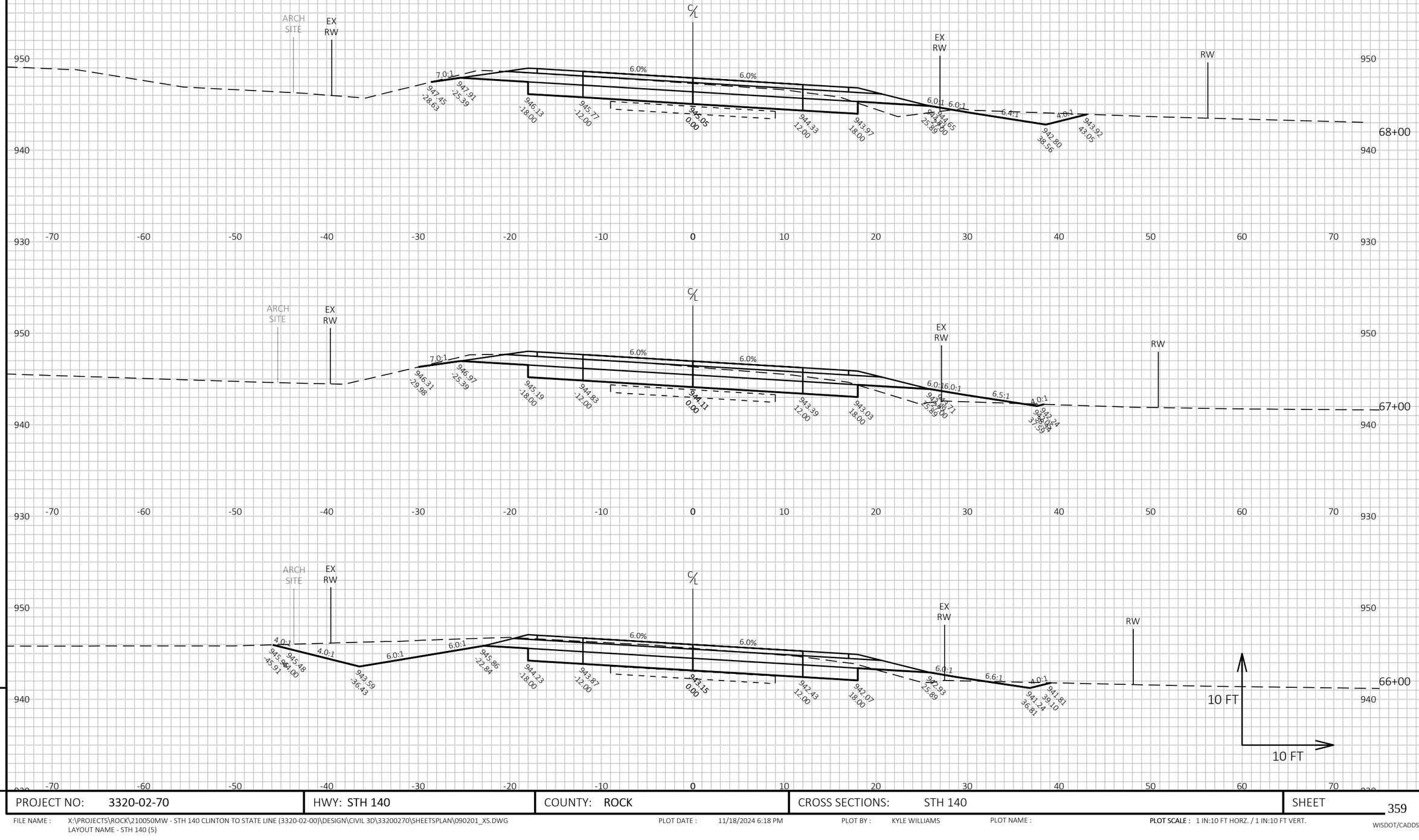
9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 358	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (4)

PLOT DATE : 11/18/2024 6:16 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

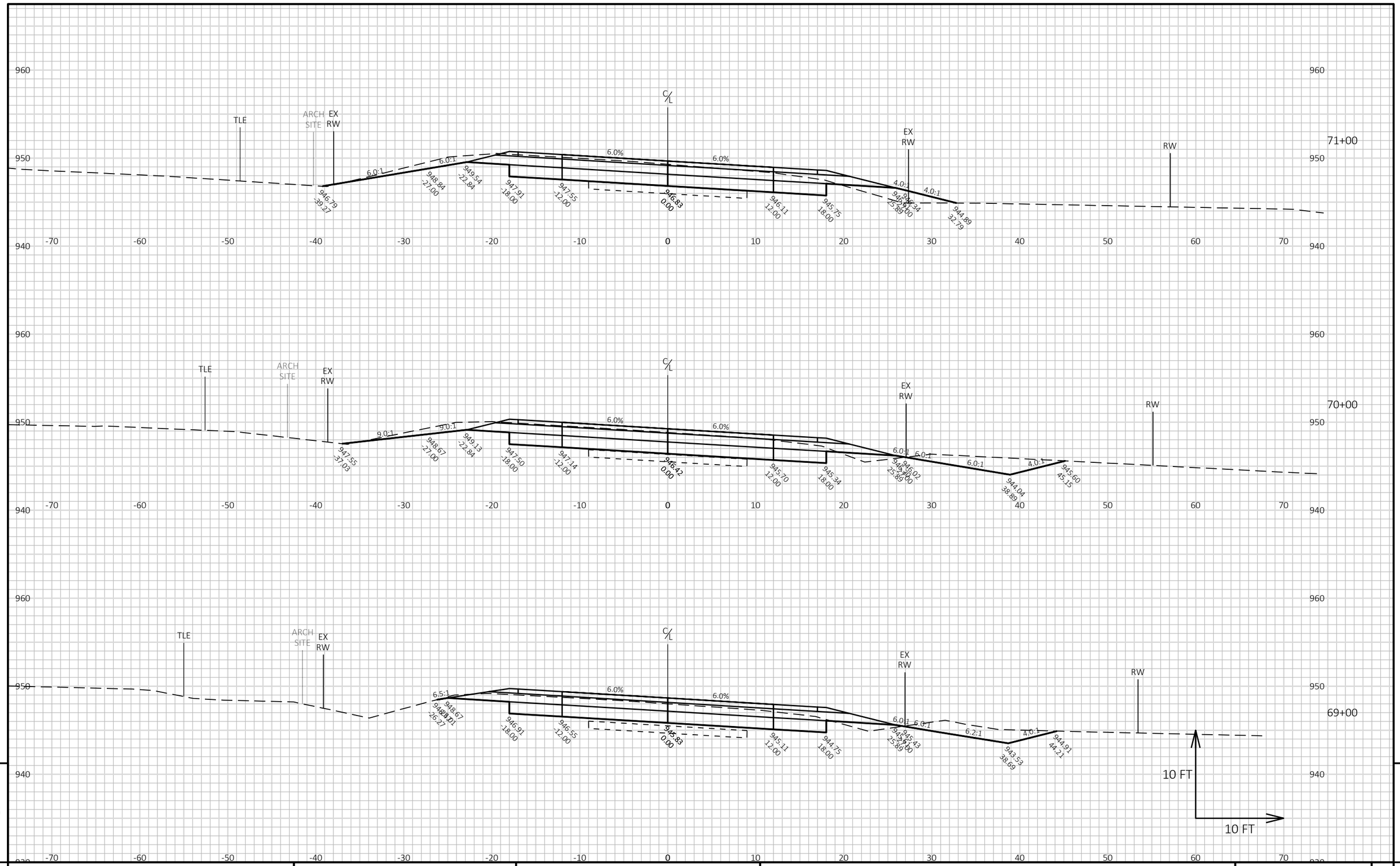
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 359	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (5)

PLOT DATE : 11/18/2024 6:18 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

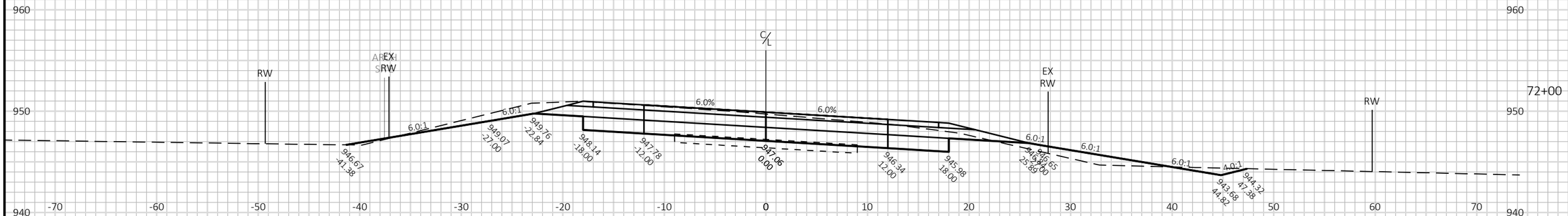


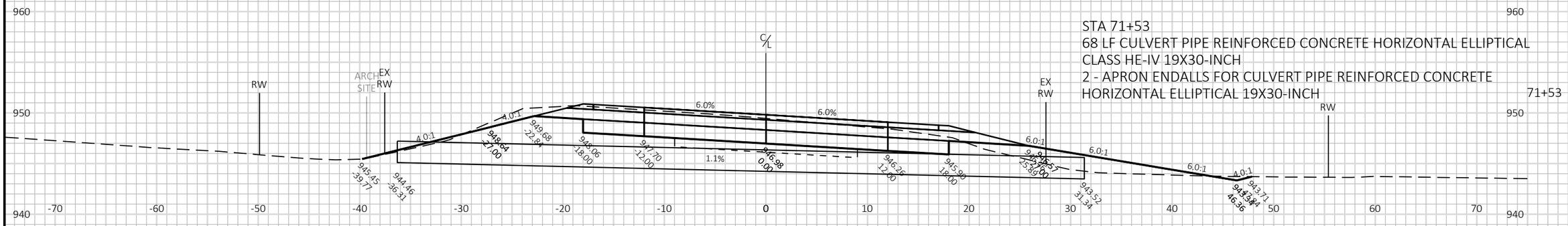
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 360 E

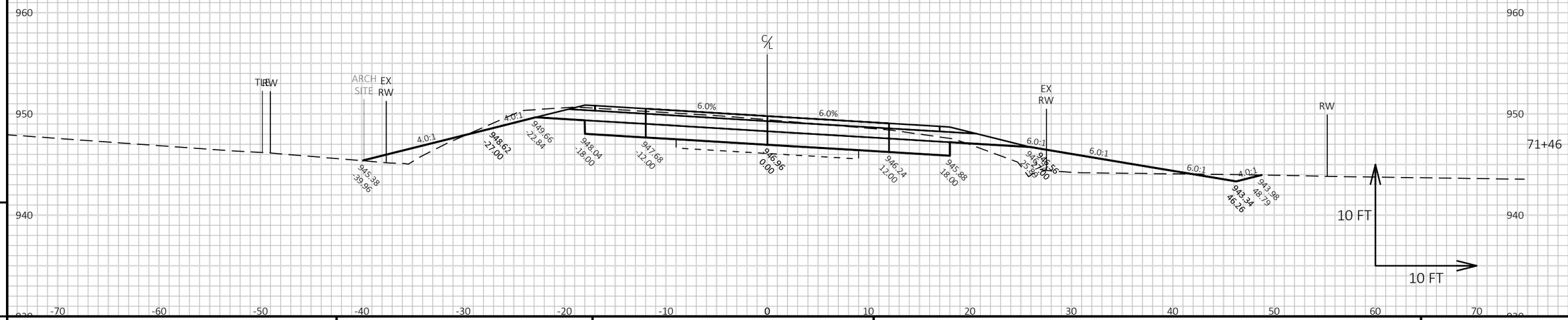
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (6)

PLOT DATE : 11/18/2024 6:21 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





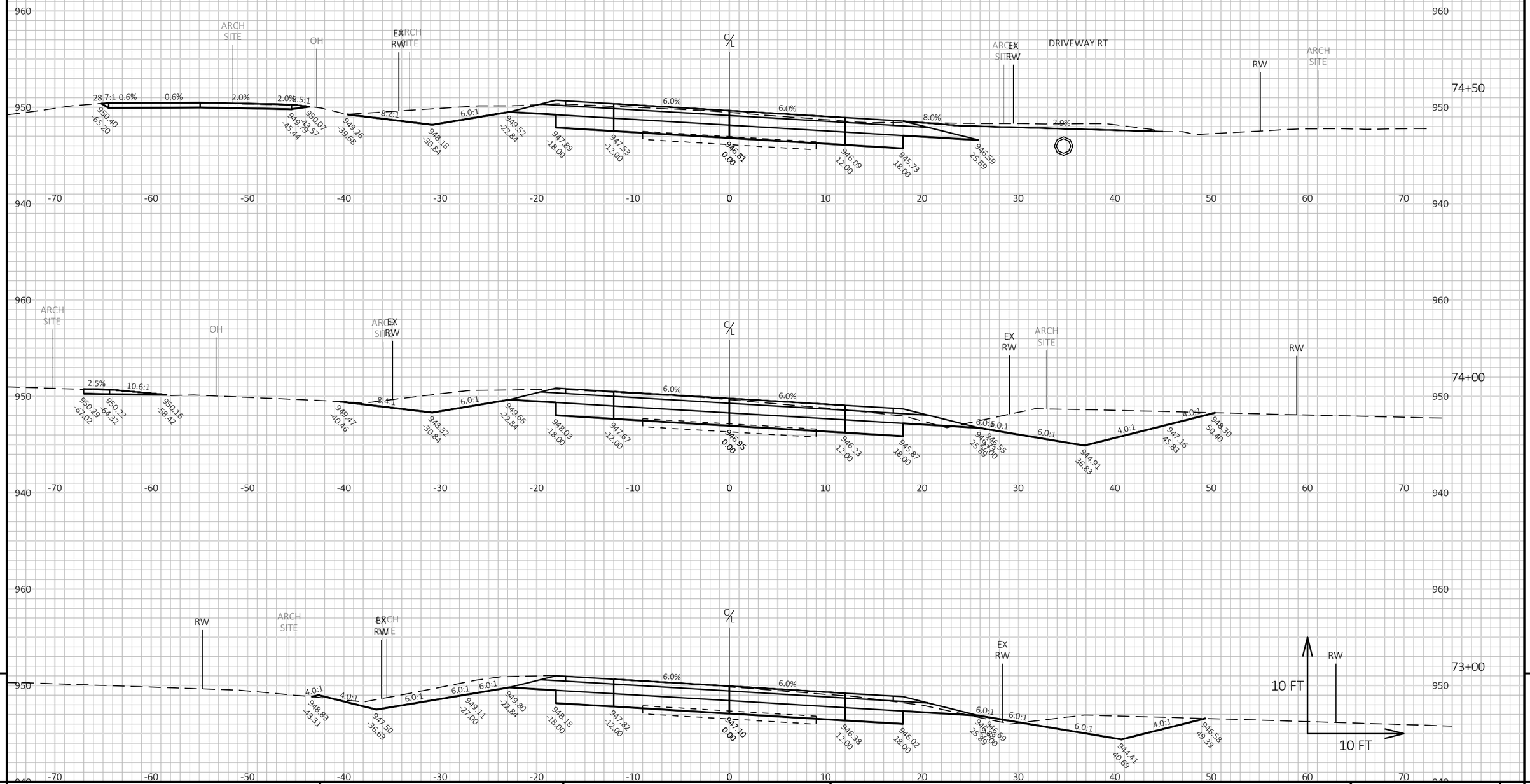


STA 71+53
68 LF CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH
2 - APRON ENDALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH

9 9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 361	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (7)
PLOT DATE : 11/18/2024 6:23 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

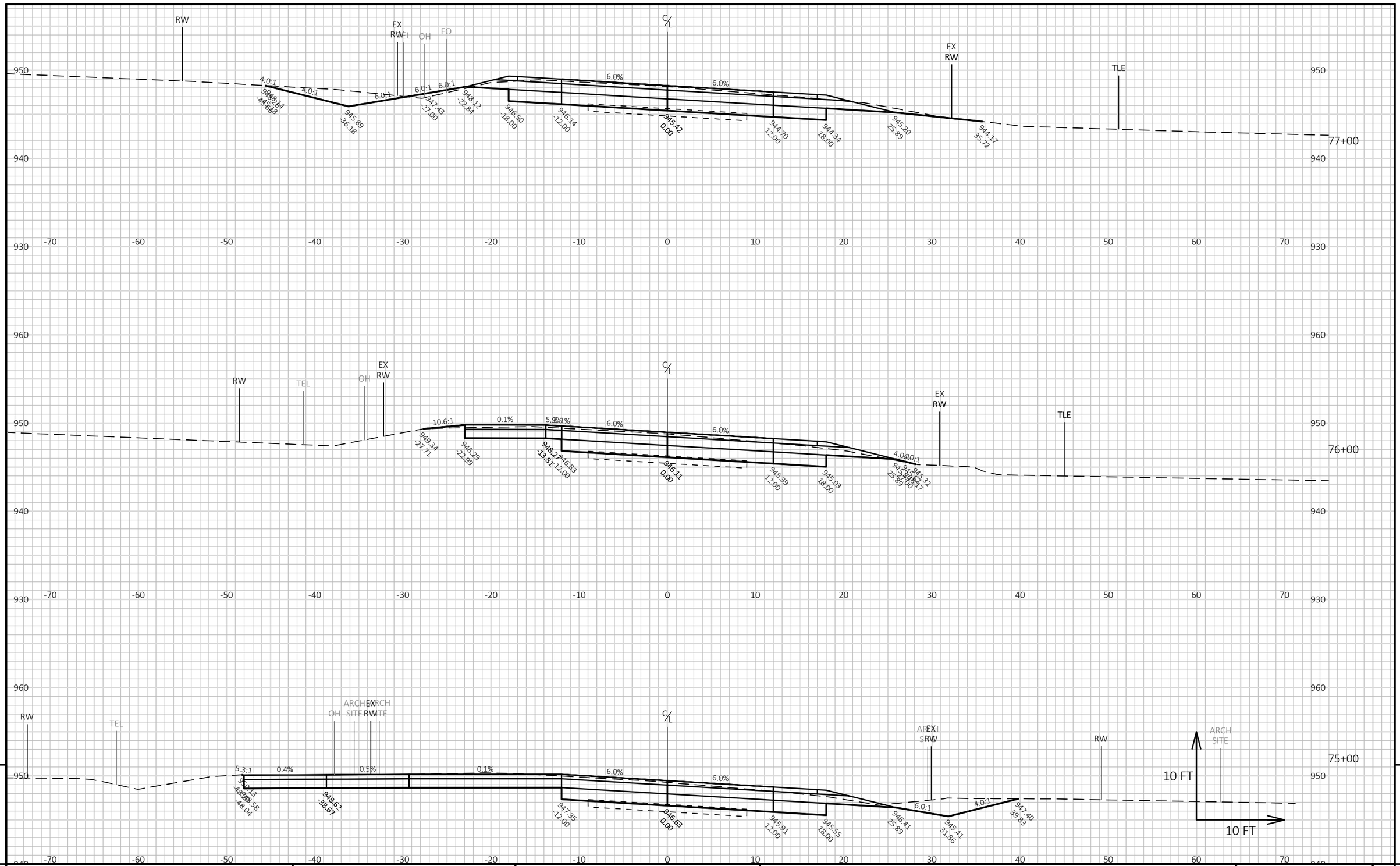
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 362	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (8)

PLOT DATE : 11/18/2024 6:25 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 363	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (9)

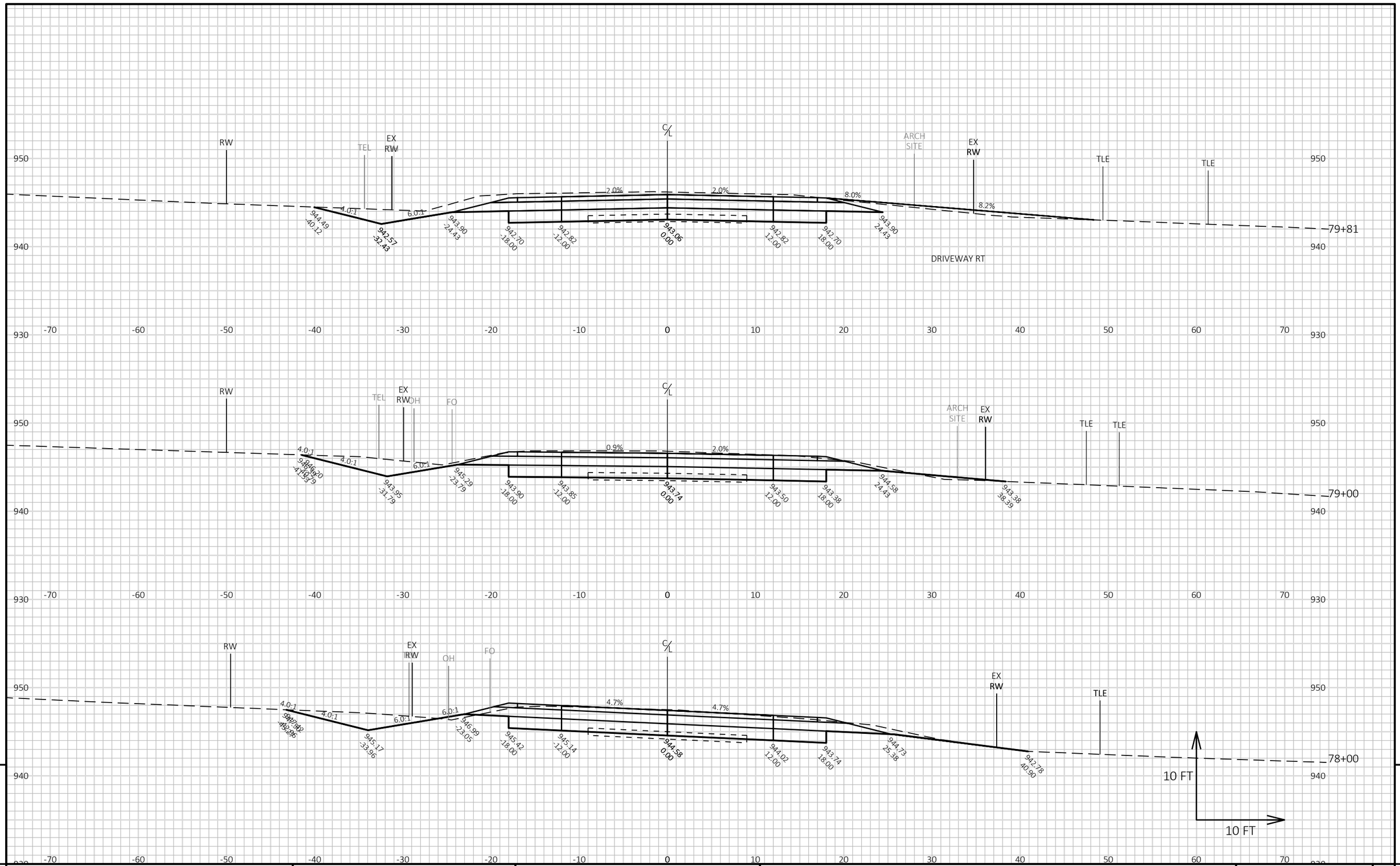
PLOT DATE : 11/18/2024 6:28 PM

PLOT BY : KYLE WILLIAMS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

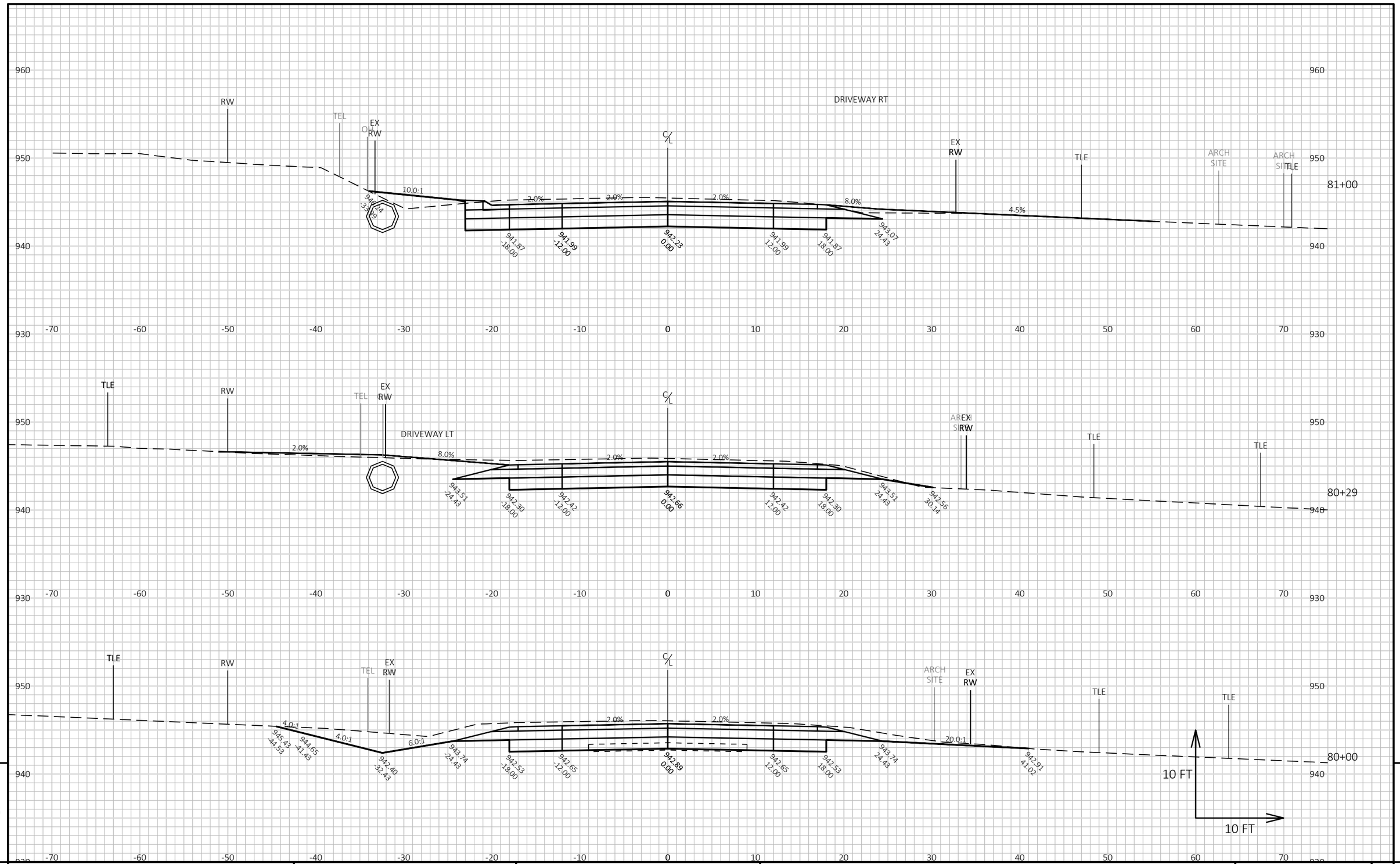
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 364	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (10)

PLOT DATE : 11/18/2024 6:30 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

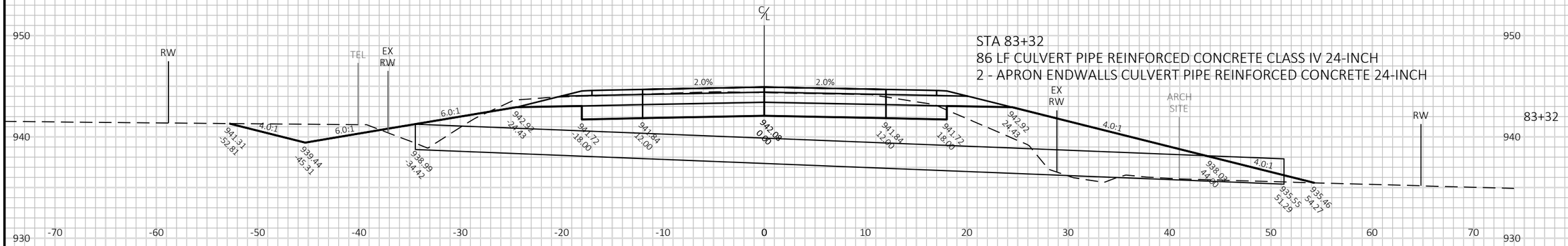
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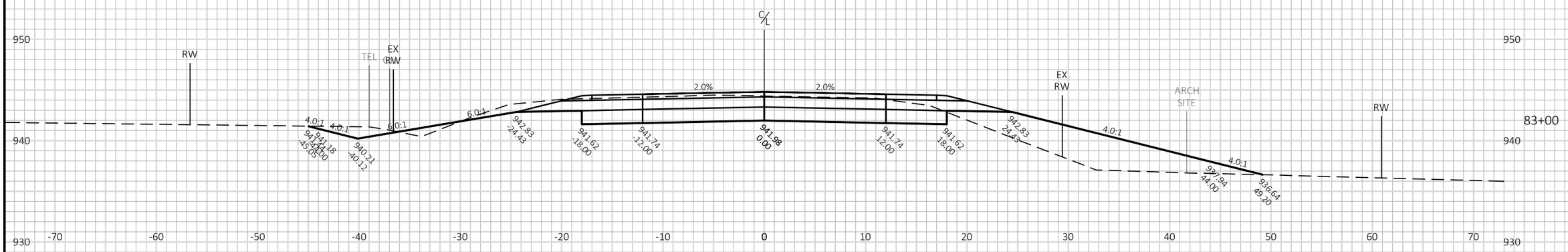
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 365	E

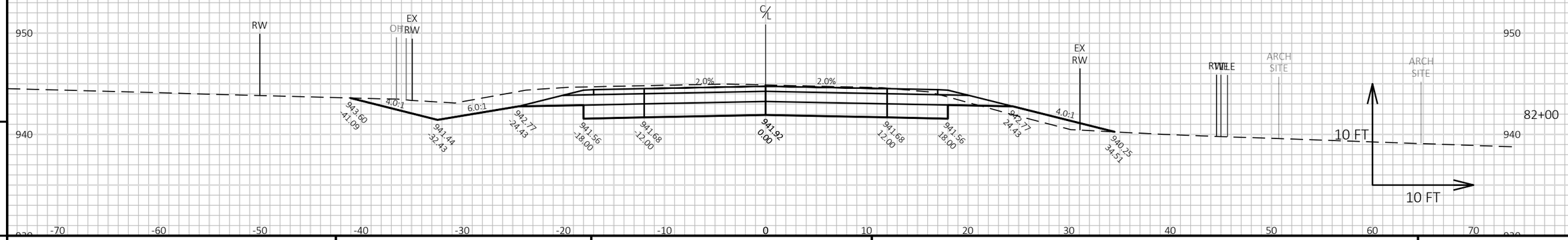
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (11)

PLOT DATE : 11/18/2024 6:32 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

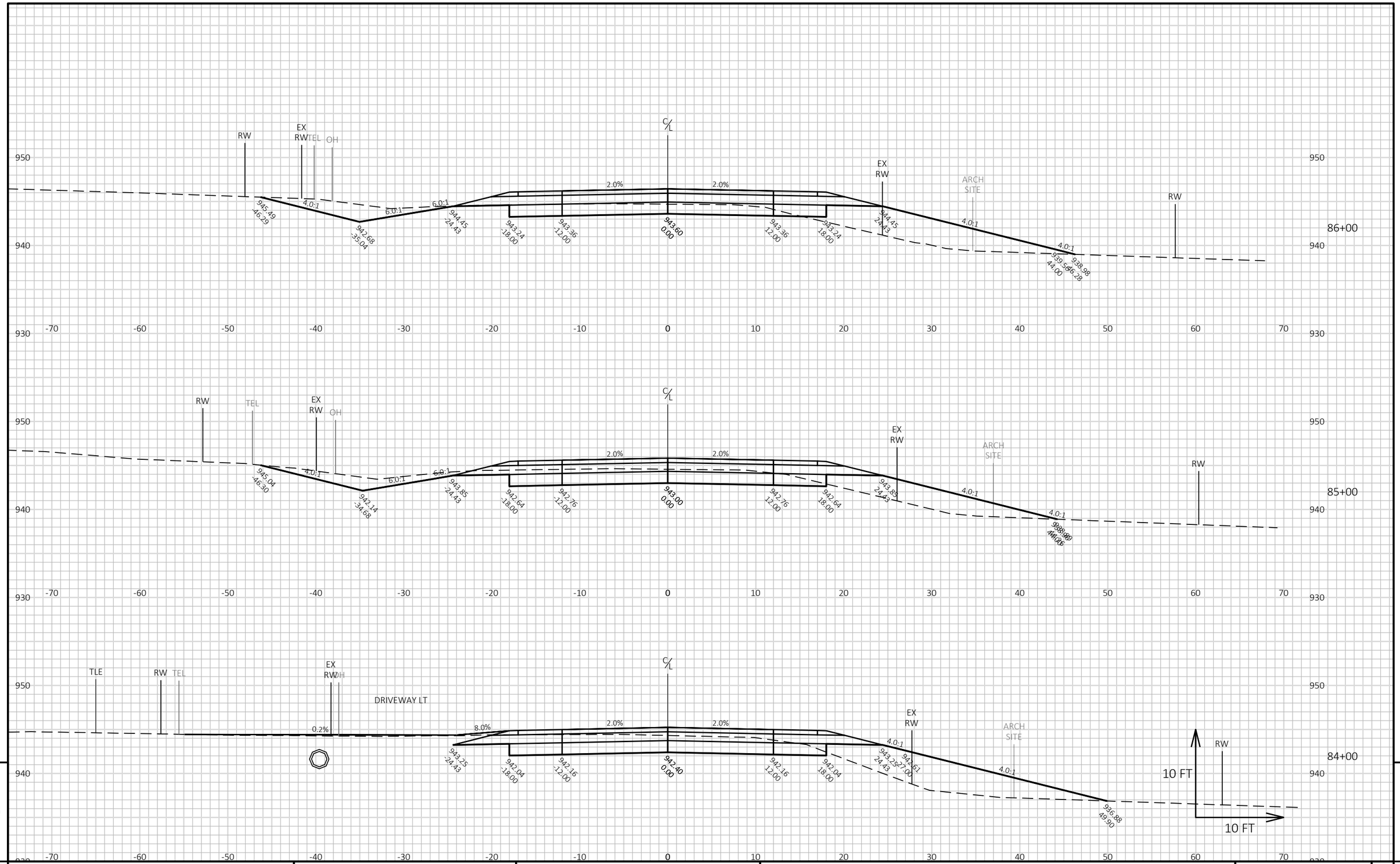
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 366	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (12)

PLOT DATE : 11/18/2024 6:34 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 367	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (13)

PLOT DATE : 11/18/2024 6:37 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

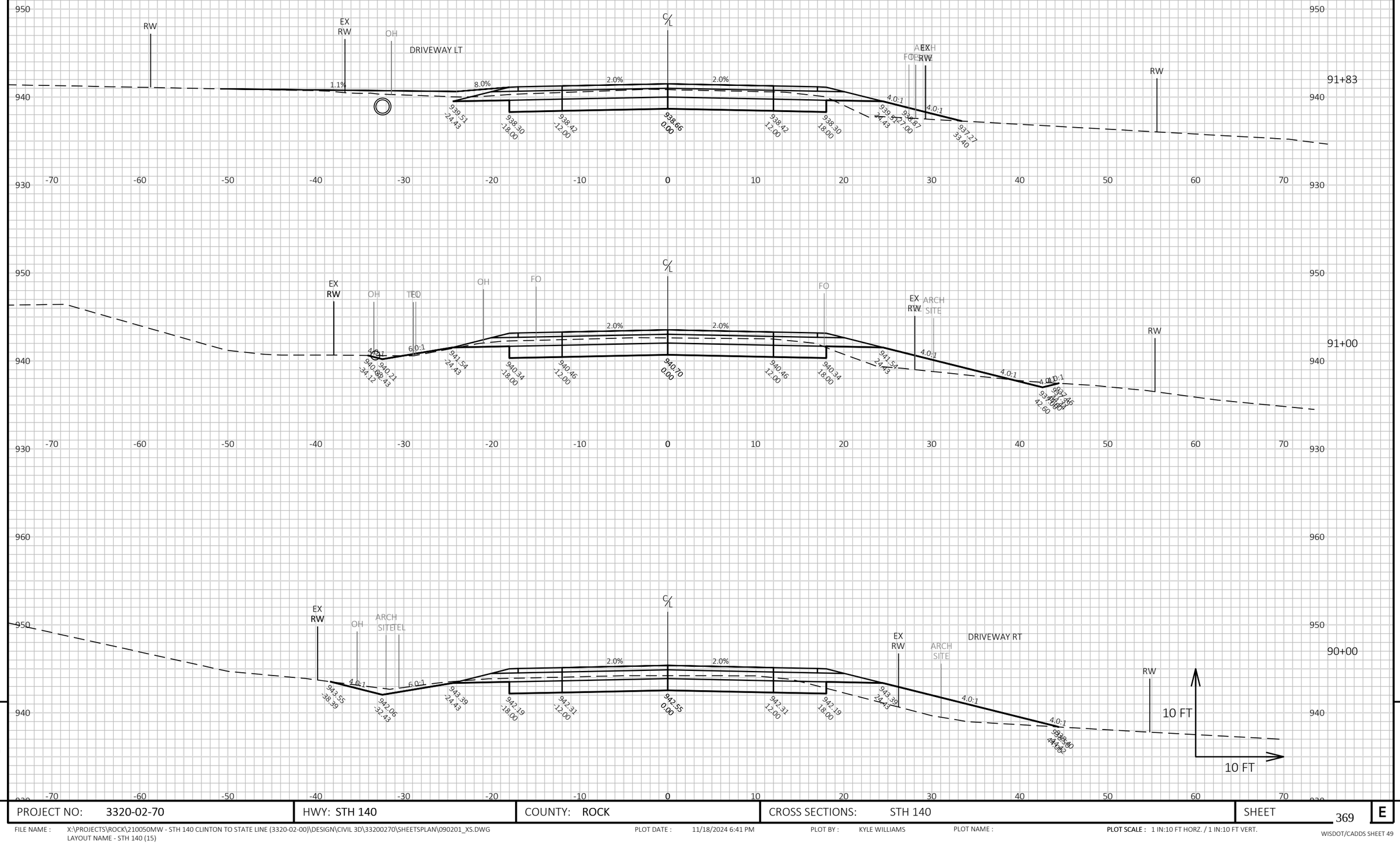
WISDOT/CADDS SHEET 49

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 368	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (14)

PLOT DATE : 11/18/2024 6:39 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

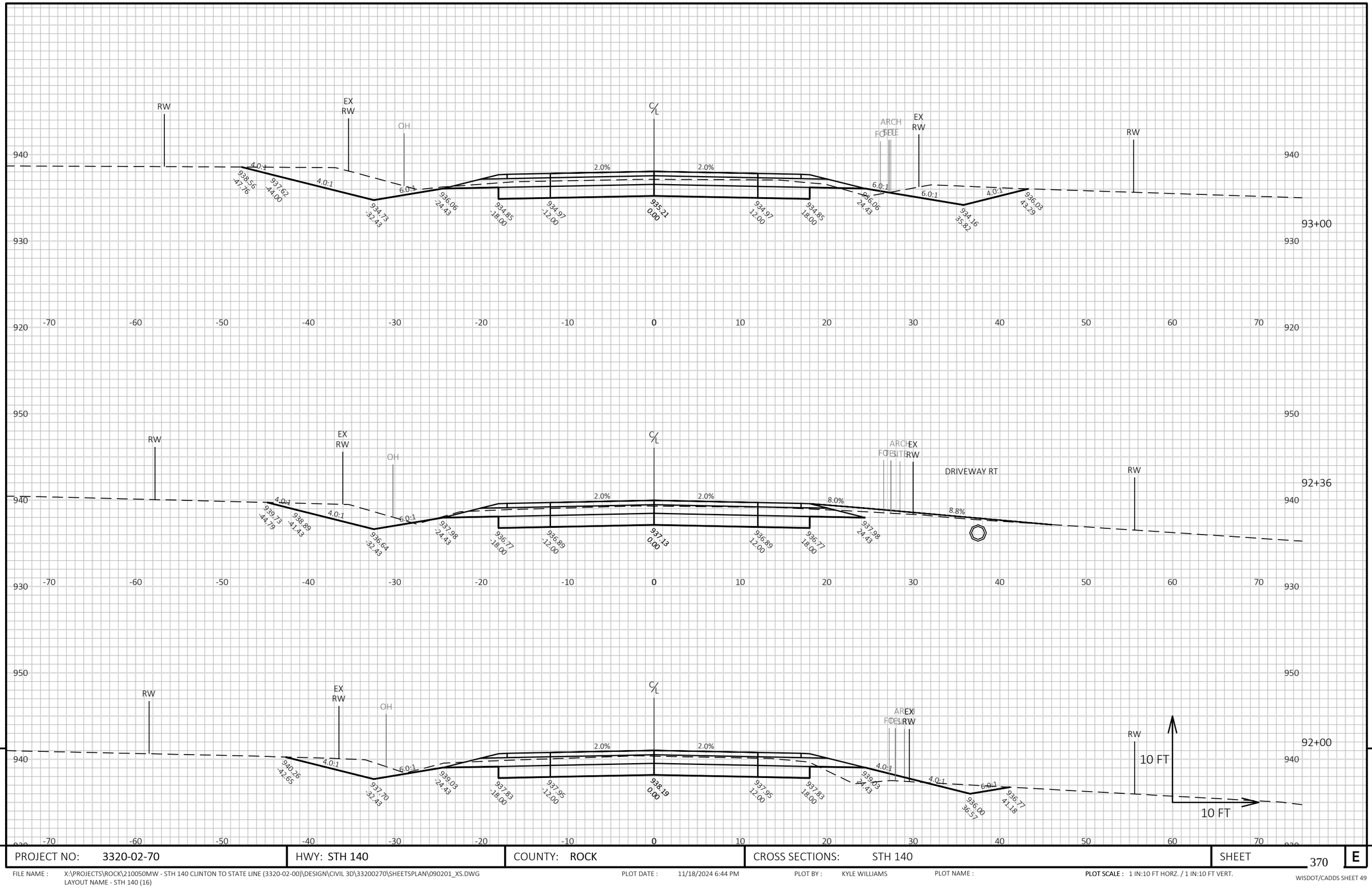


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 369	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (15)

PLOT DATE : 11/18/2024 6:41 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

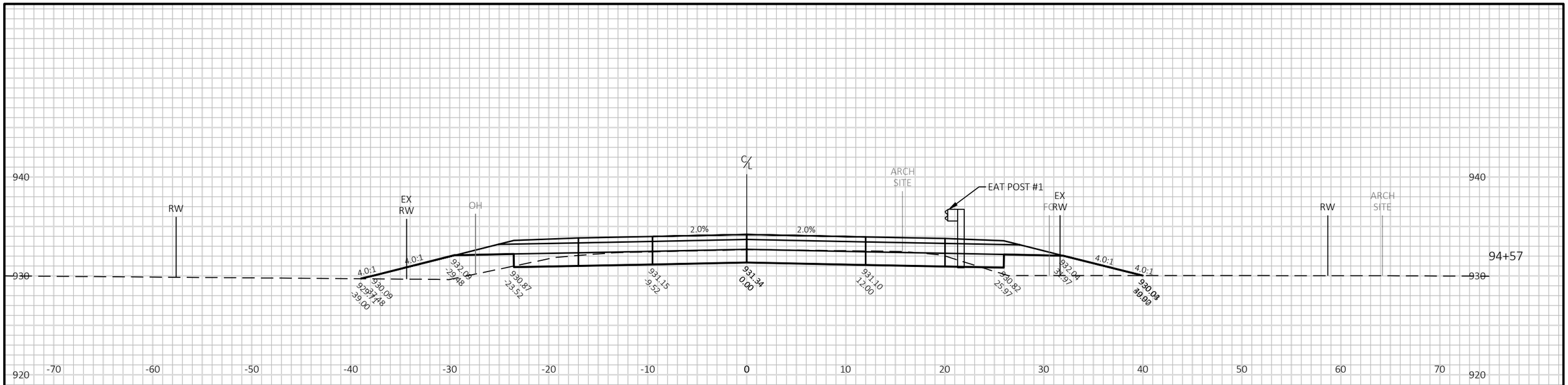
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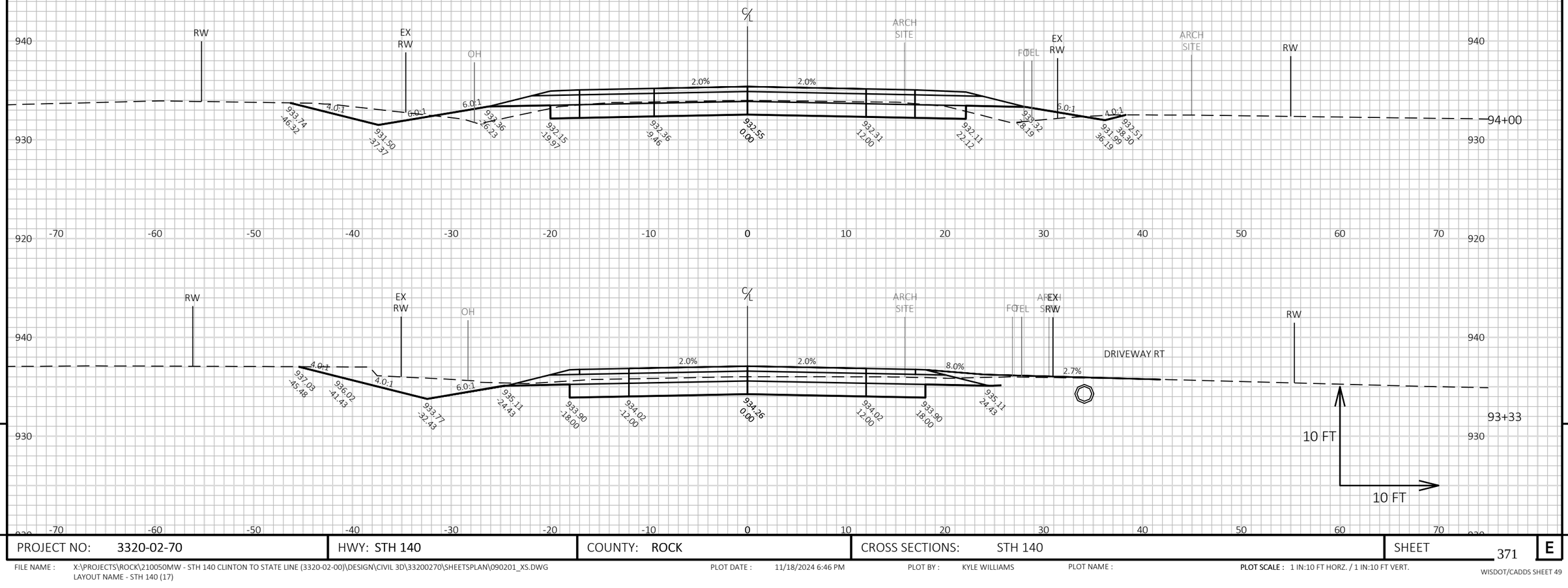
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 370	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (16)

PLOT DATE : 11/18/2024 6:44 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 371	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (17)

PLOT DATE : 11/18/2024 6:46 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

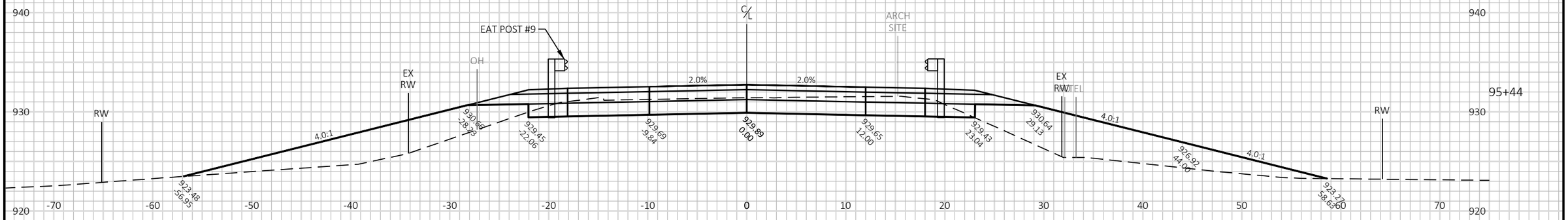
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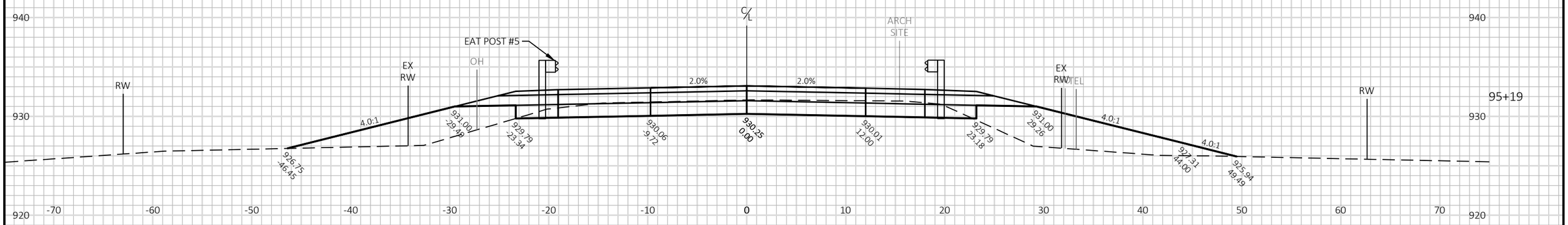
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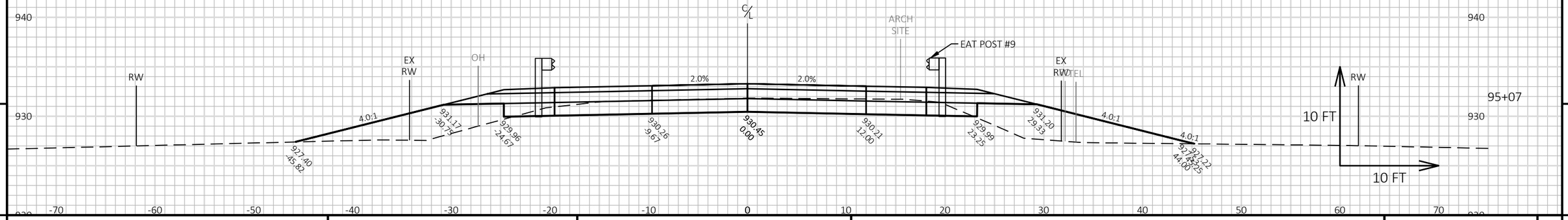
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 372	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (18)

PLOT DATE : 11/18/2024 6:48 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.







9

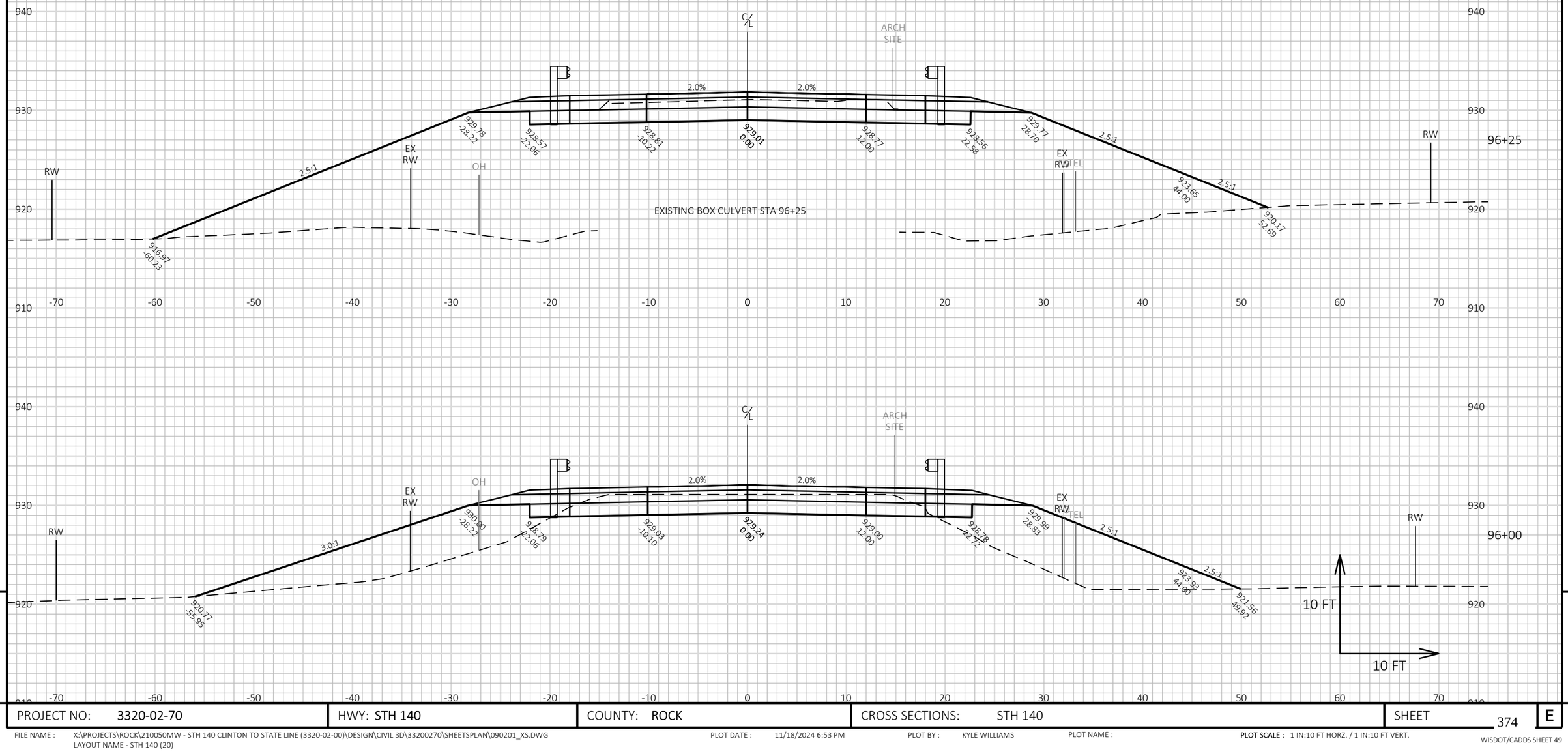
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 373	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (19)

PLOT DATE : 11/18/2024 6:51 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

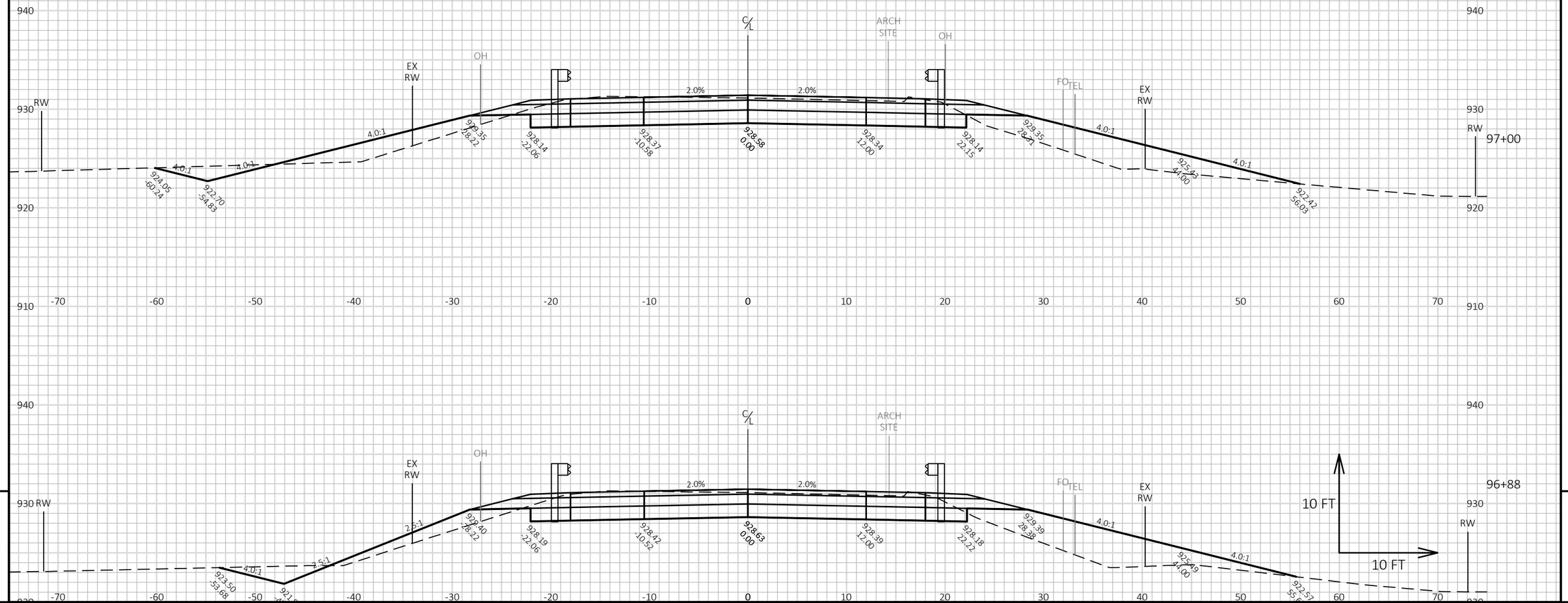


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 374 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (20)

PLOT DATE : 11/18/2024 6:53 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

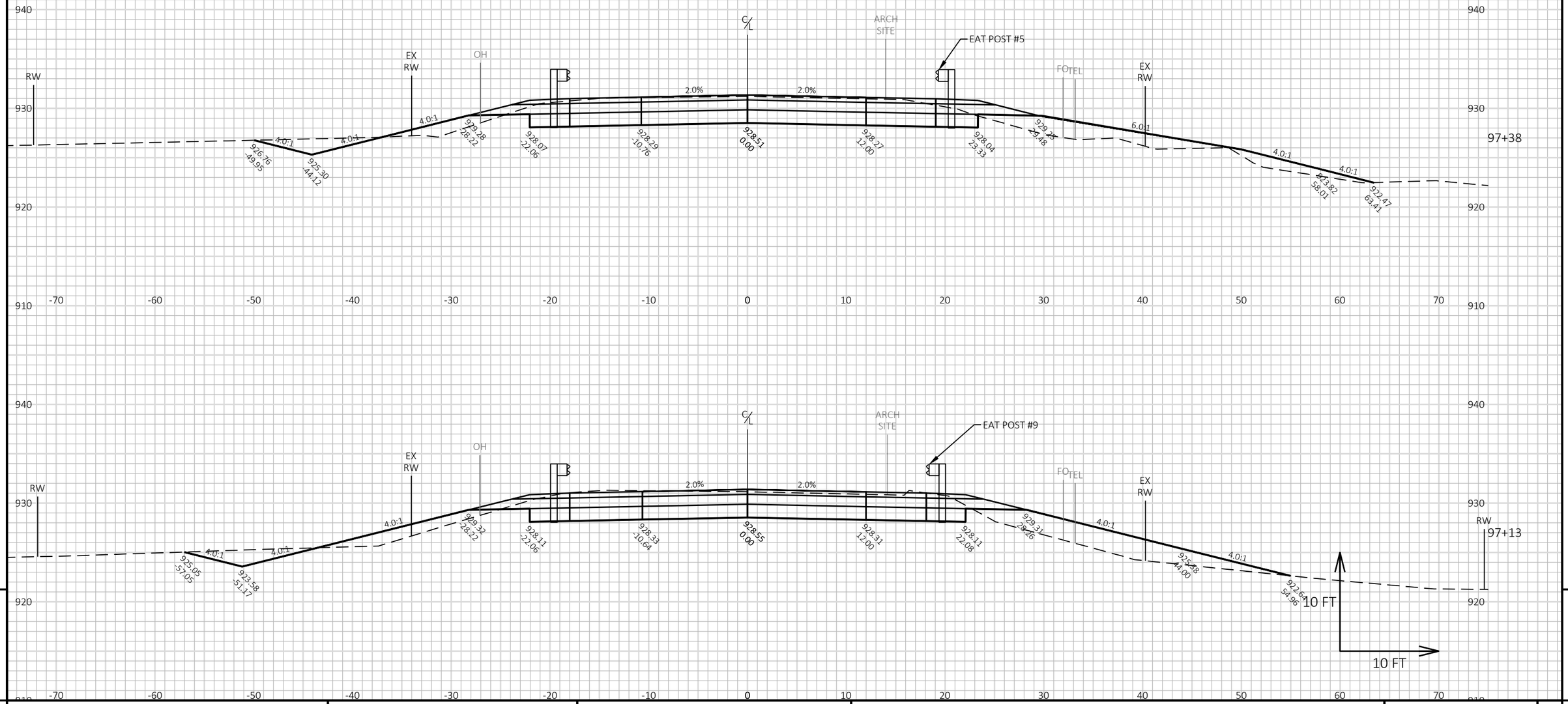
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 375	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (21)

PLOT DATE : 11/18/2024 6:55 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



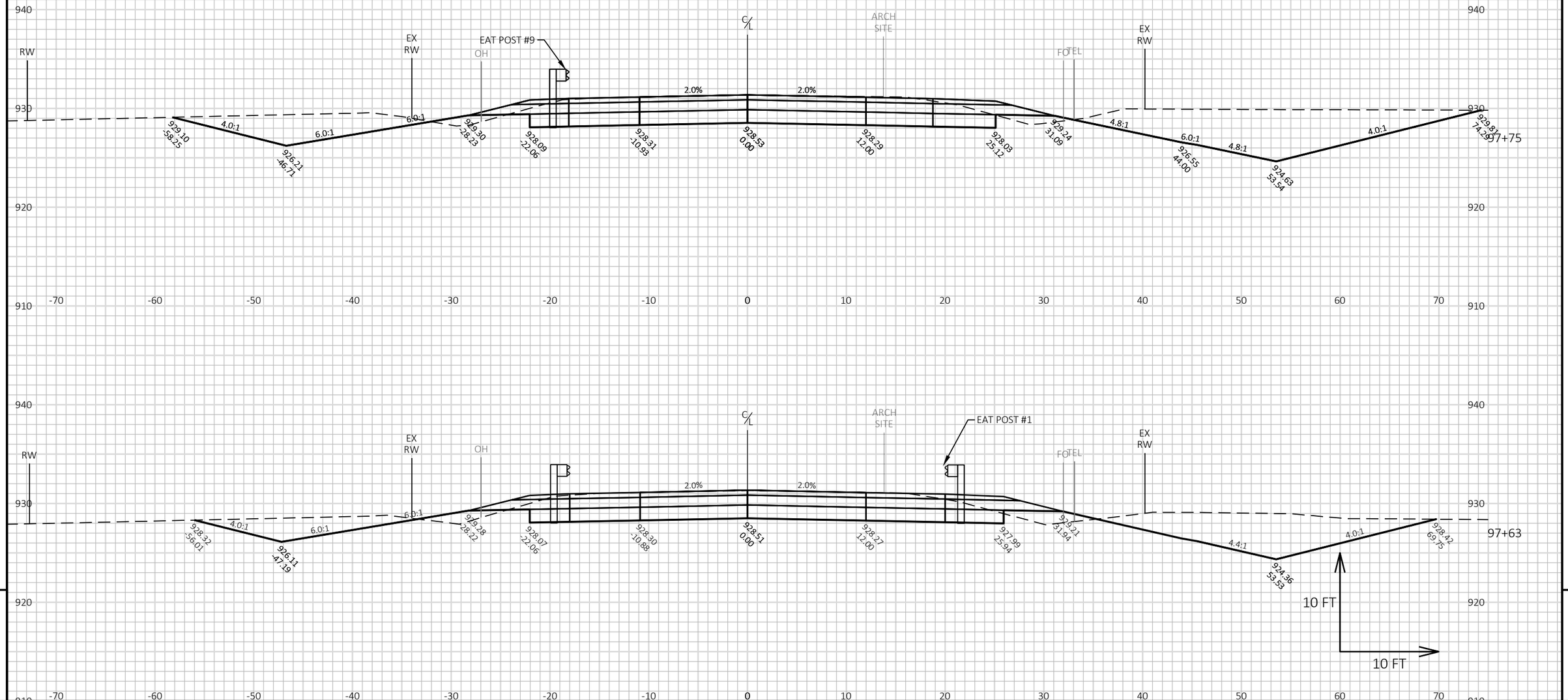
9 9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 376	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (22)

PLOT DATE : 11/18/2024 6:57 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



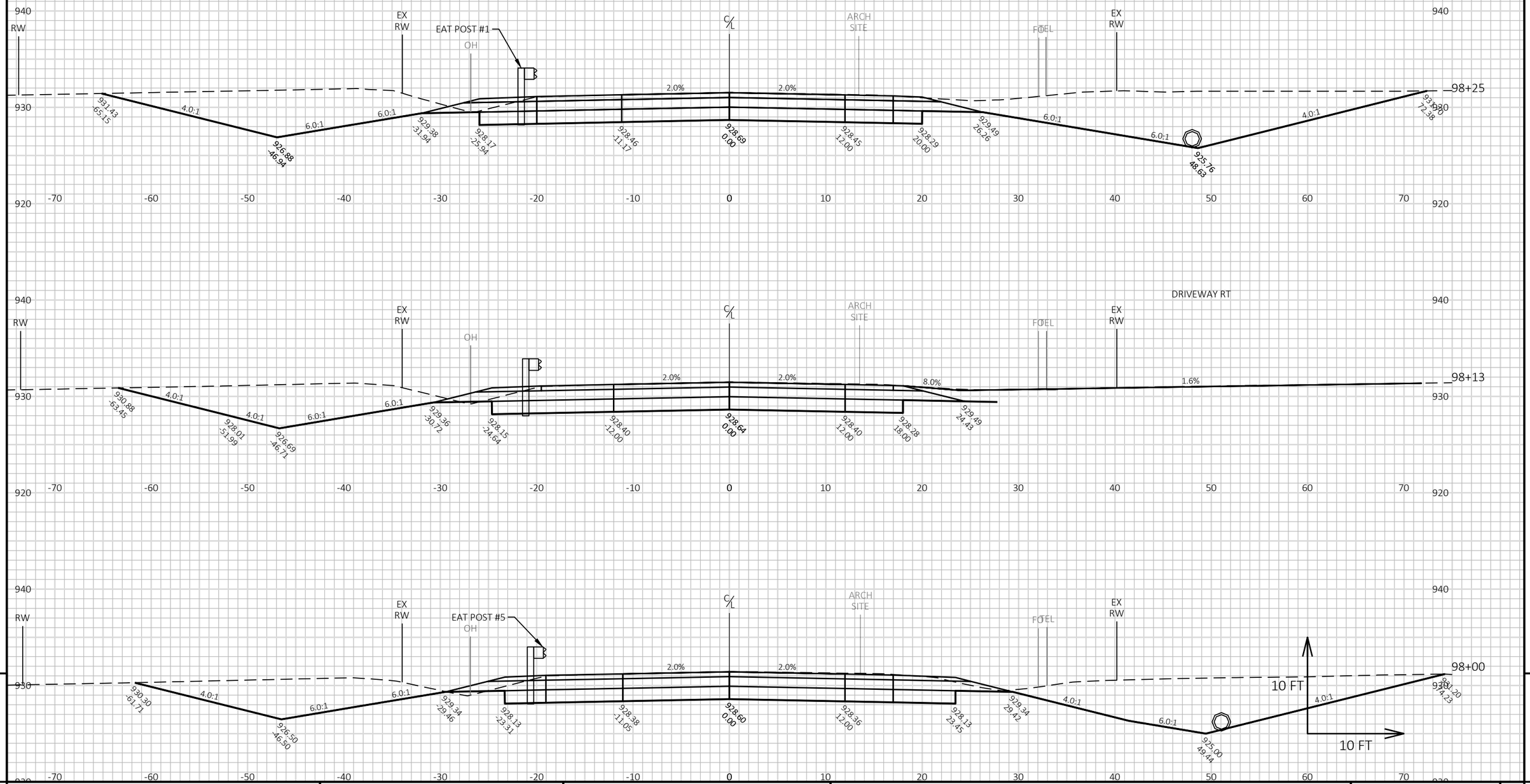
9 9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 377	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (23)

PLOT DATE : 11/18/2024 7:00 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

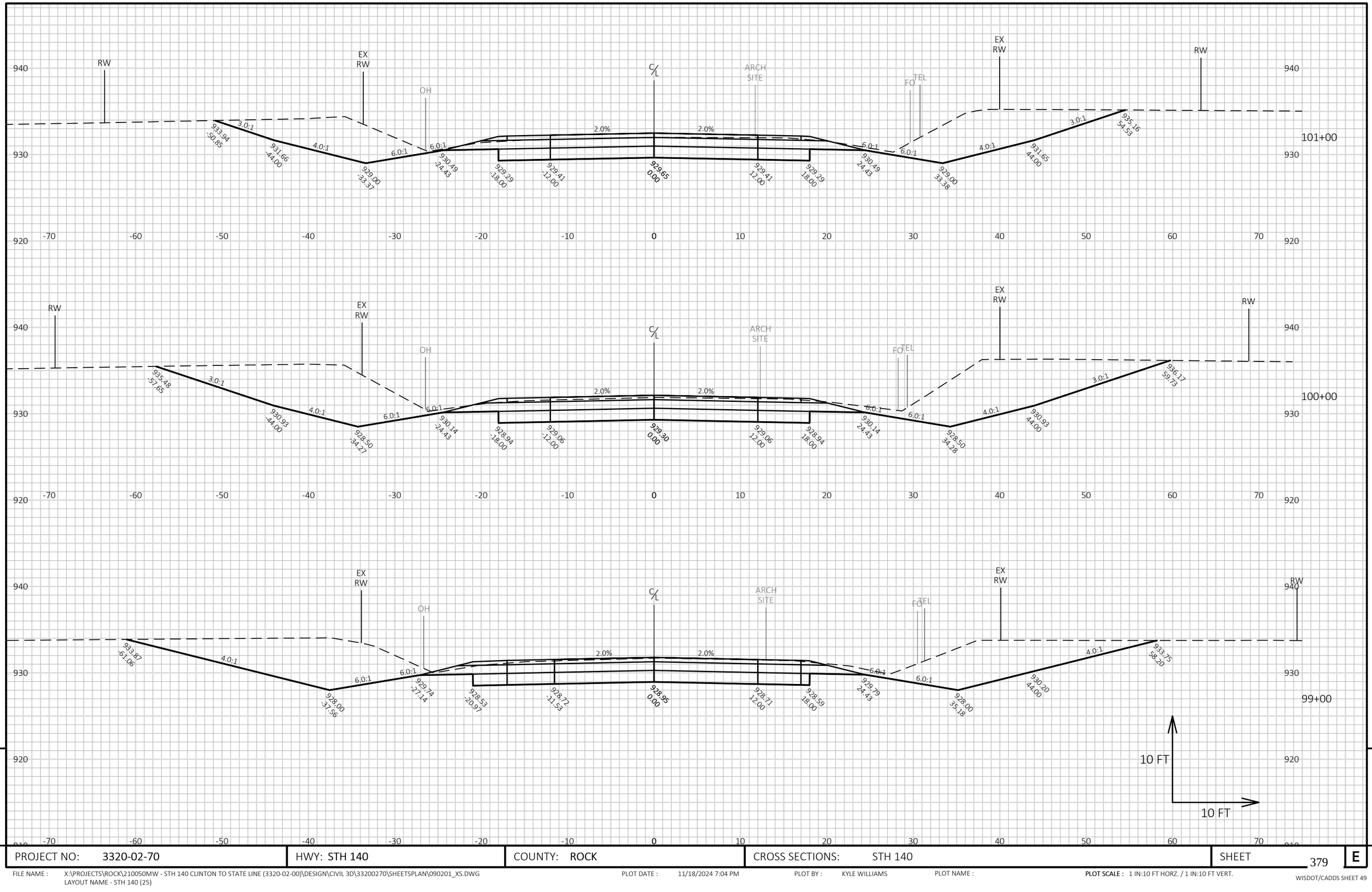


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 378	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (24)

PLOT DATE : 11/18/2024 7:02 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

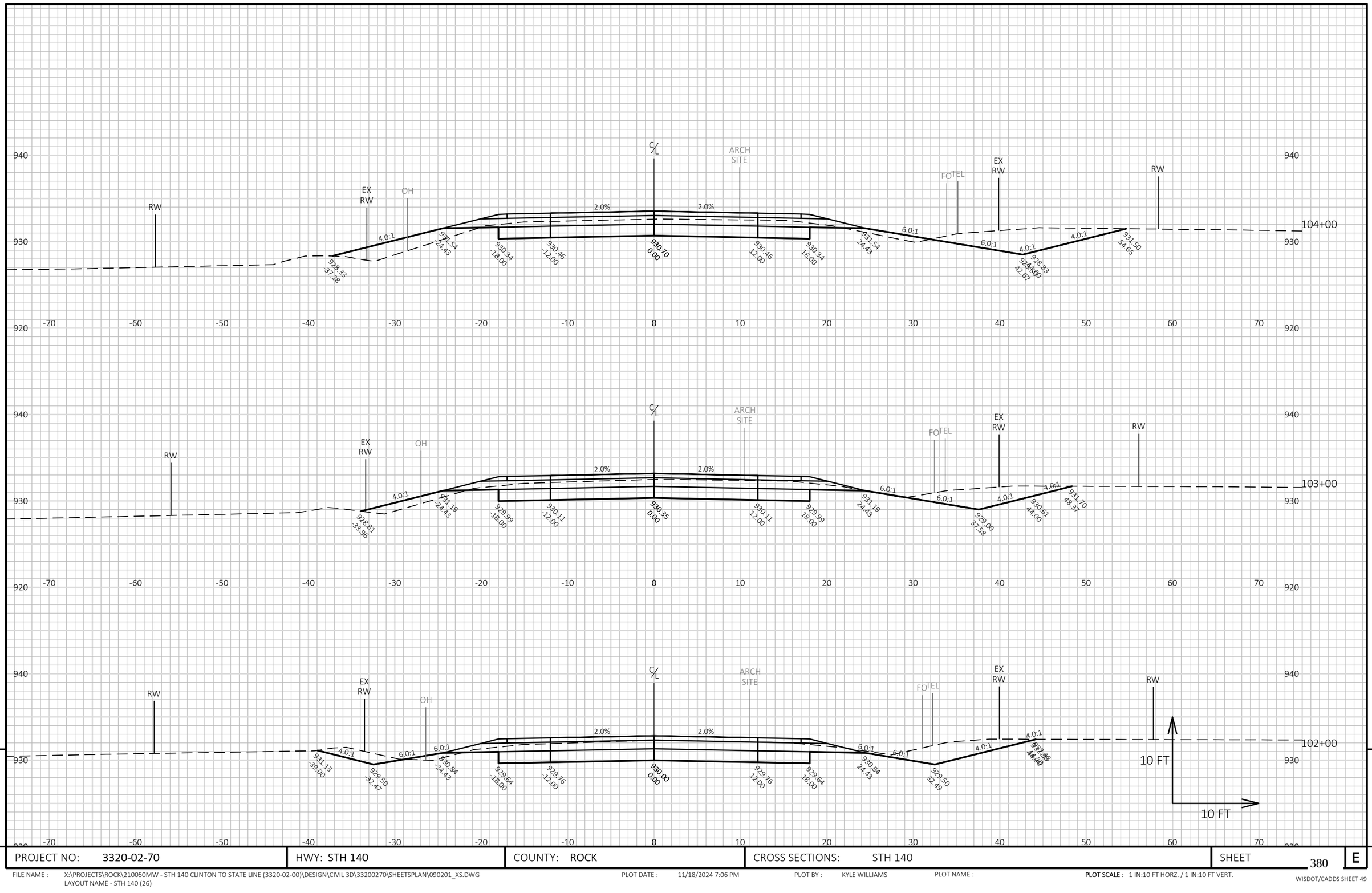
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 379	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (25)

PLOT DATE : 11/18/2024 7:04 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

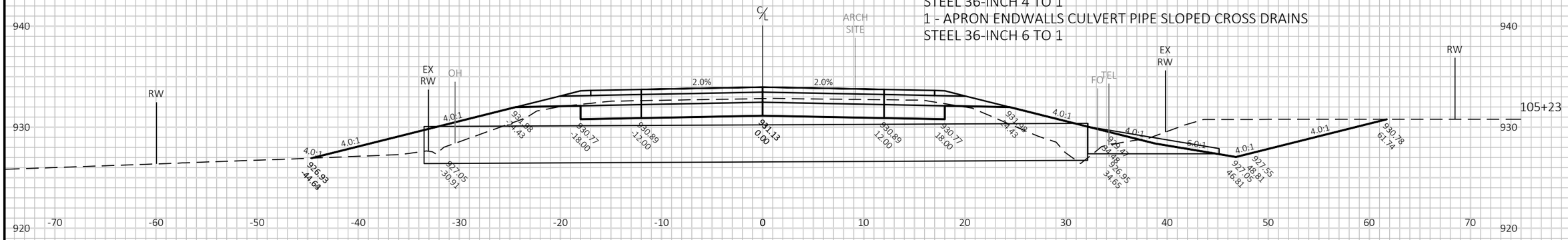
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 380	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (26)

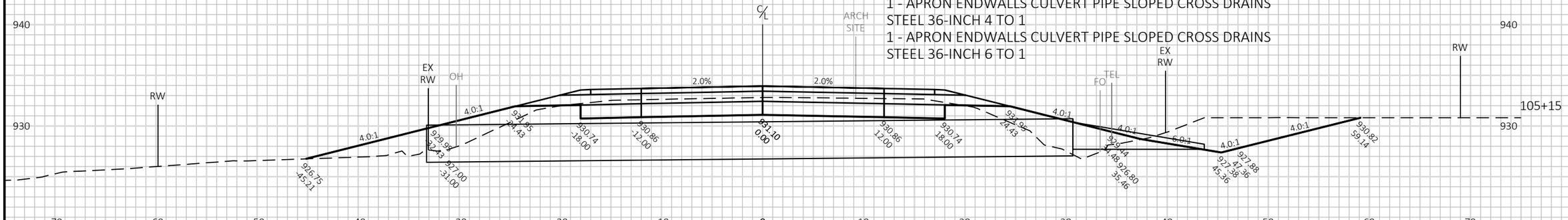
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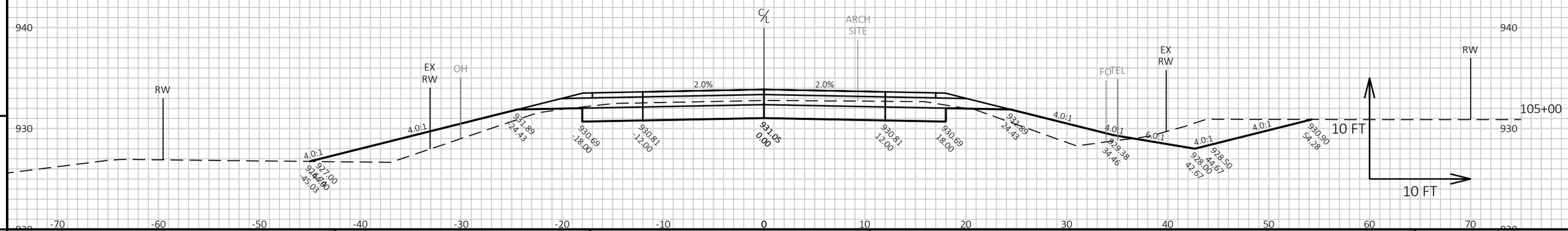
WISDOT/CADDS SHEET 49

STA 105+23
66 LF CULVERT PIPE REINFORCED CONCRETE CLASS-IV 36-INCH
1 - APRON ENDWALLS CULVERT PIPE SLOPED CROSS DRAINS
STEEL 36-INCH 4 TO 1
1 - APRON ENDWALLS CULVERT PIPE SLOPED CROSS DRAINS
STEEL 36-INCH 6 TO 1



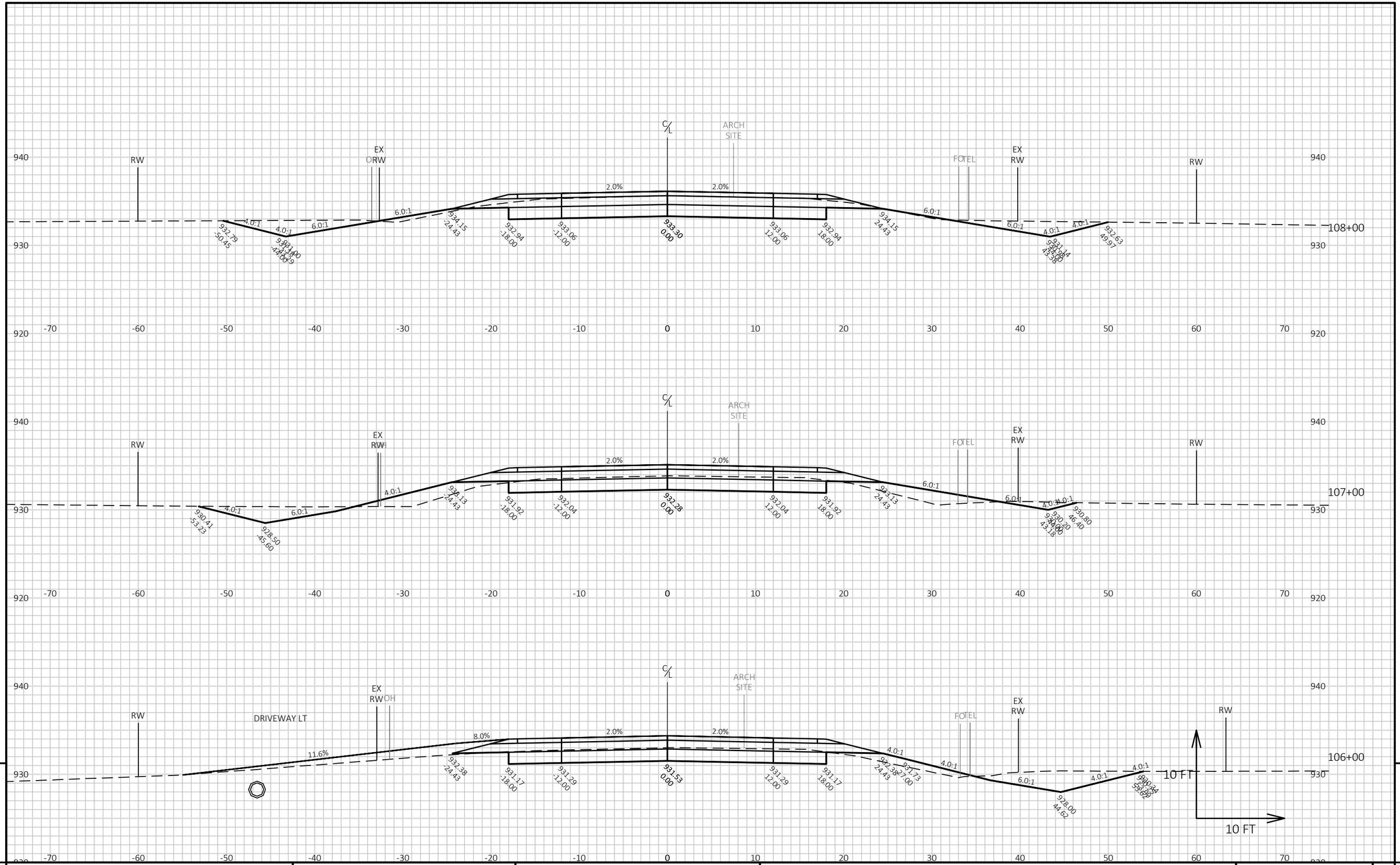
STA 105+15
66 LF CULVERT PIPE REINFORCED CONCRETE CLASS-IV 36-INCH
1 - APRON ENDWALLS CULVERT PIPE SLOPED CROSS DRAINS
STEEL 36-INCH 4 TO 1
1 - APRON ENDWALLS CULVERT PIPE SLOPED CROSS DRAINS
STEEL 36-INCH 6 TO 1





PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 381	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (27)
PLOT DATE : 11/18/2024 7:09 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 382	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (28)

PLOT DATE : 11/18/2024 7:11 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

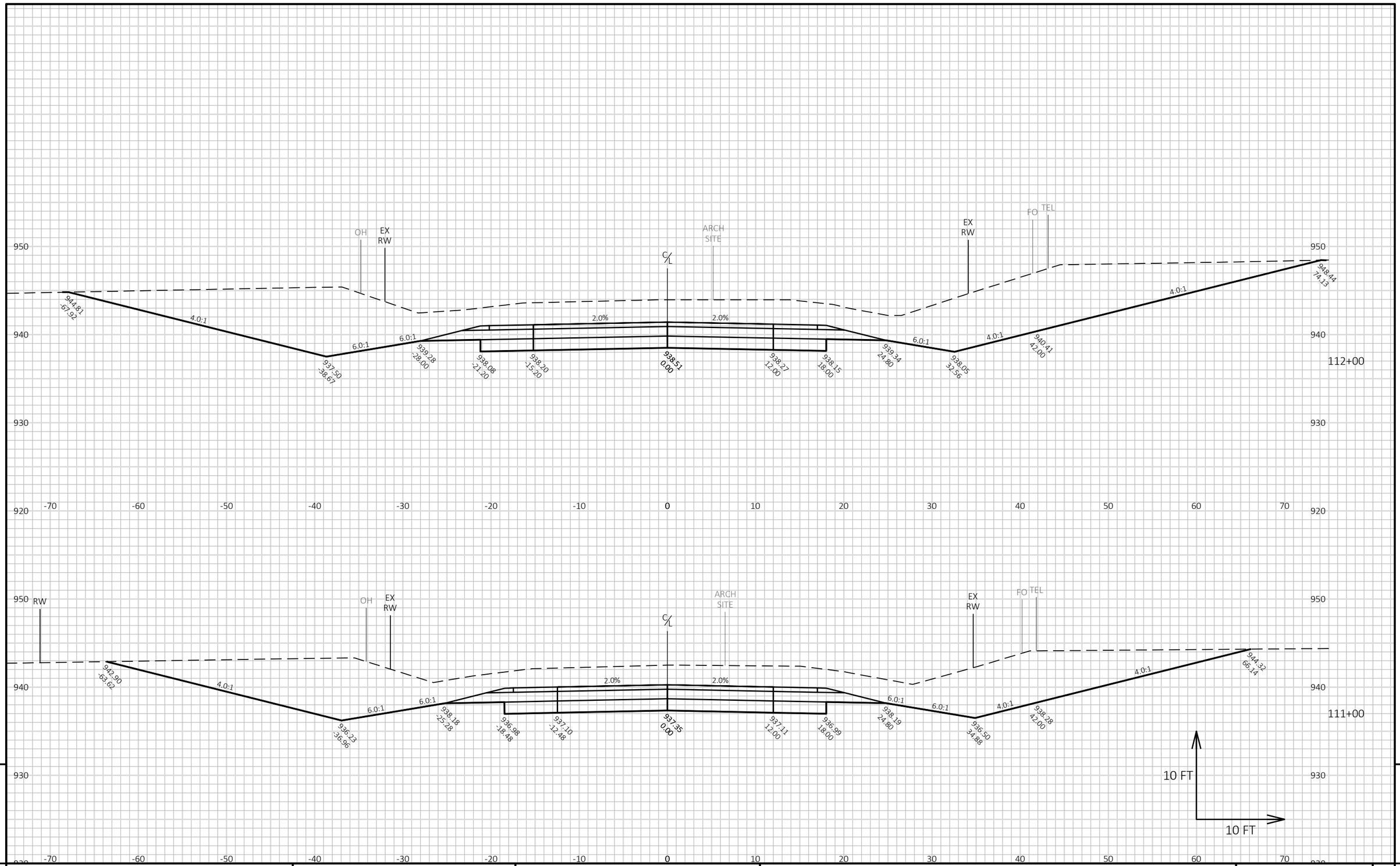
WISDOT/CADDS SHEET 49

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 383	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (29)

PLOT DATE : 11/18/2024 7:13 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

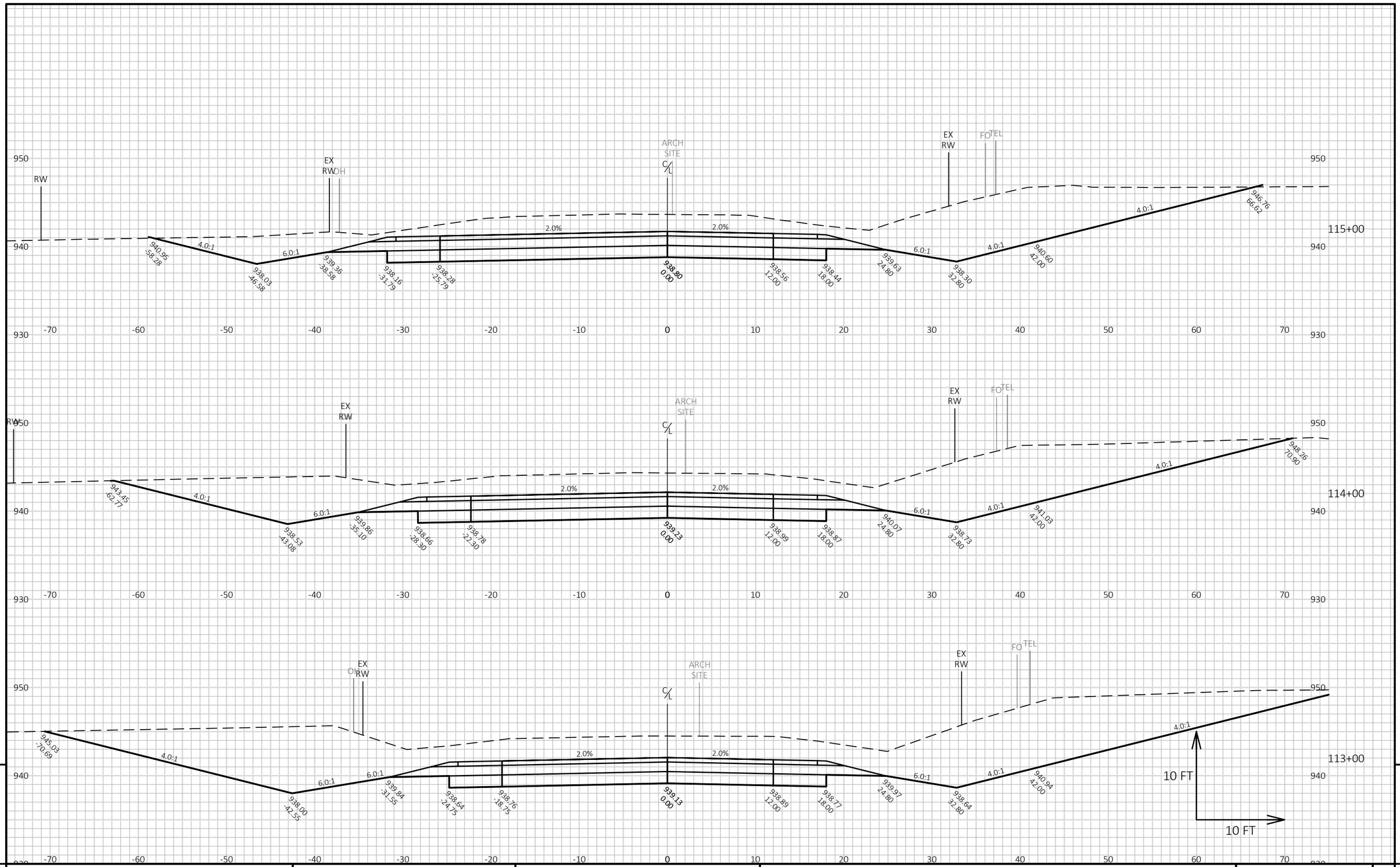


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 384	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (30)

PLOT DATE : 11/18/2024 7:15 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

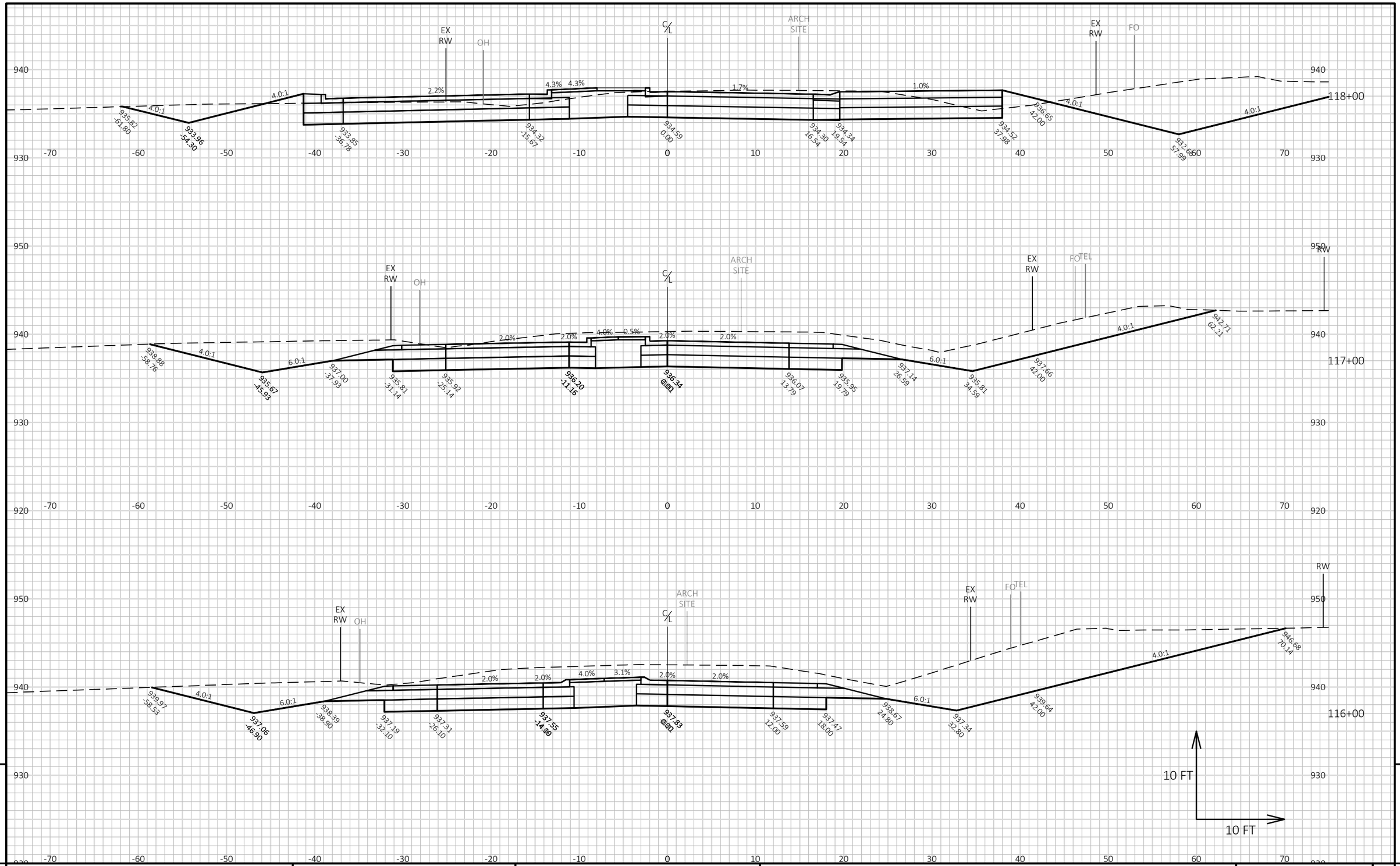
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 385	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (31)

PLOT DATE : 11/18/2024 7:17 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 386	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (32)

PLOT DATE : 11/18/2024 7:19 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

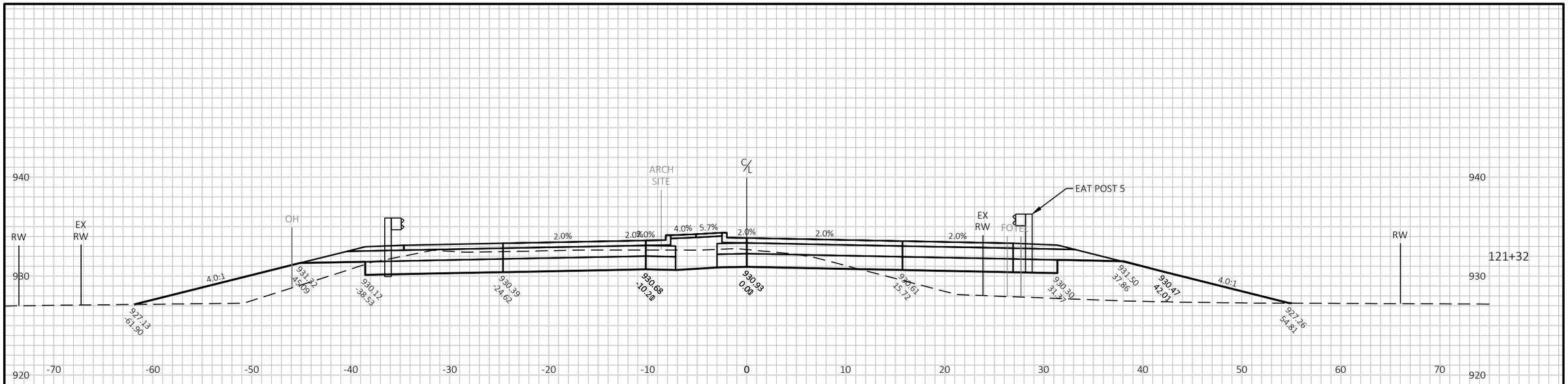
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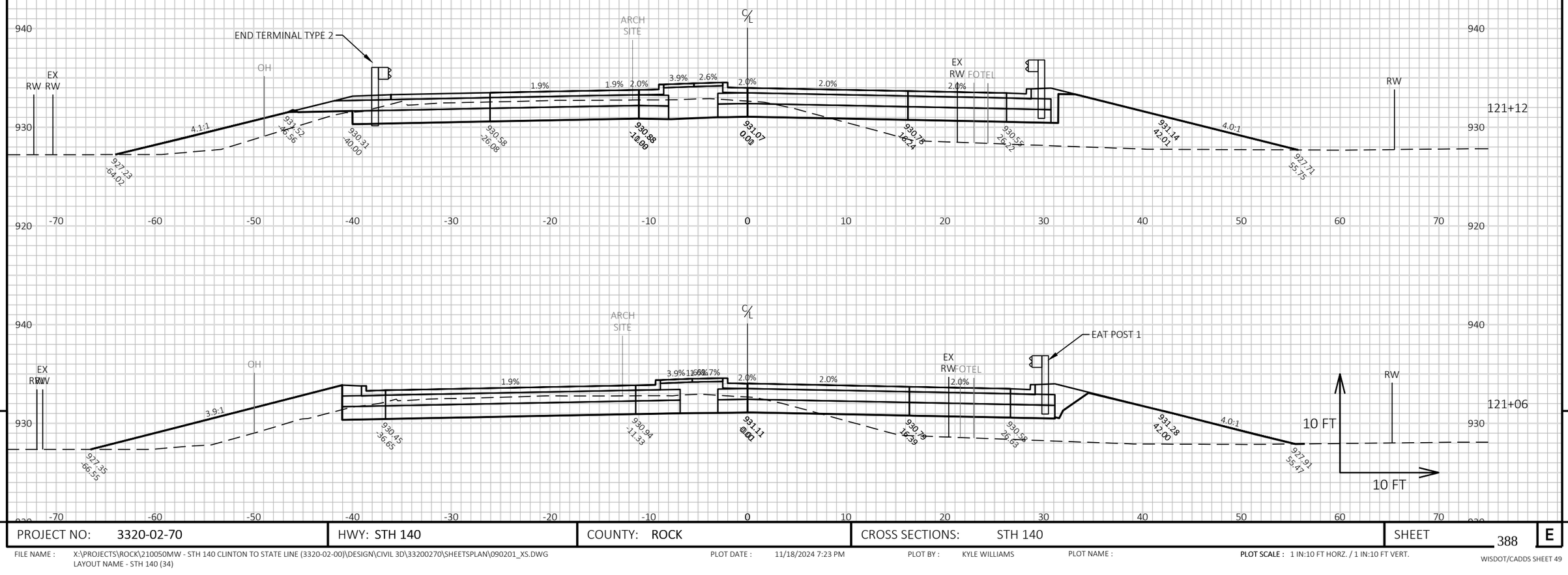
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 387	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (33)

PLOT DATE : 11/18/2024 7:21 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

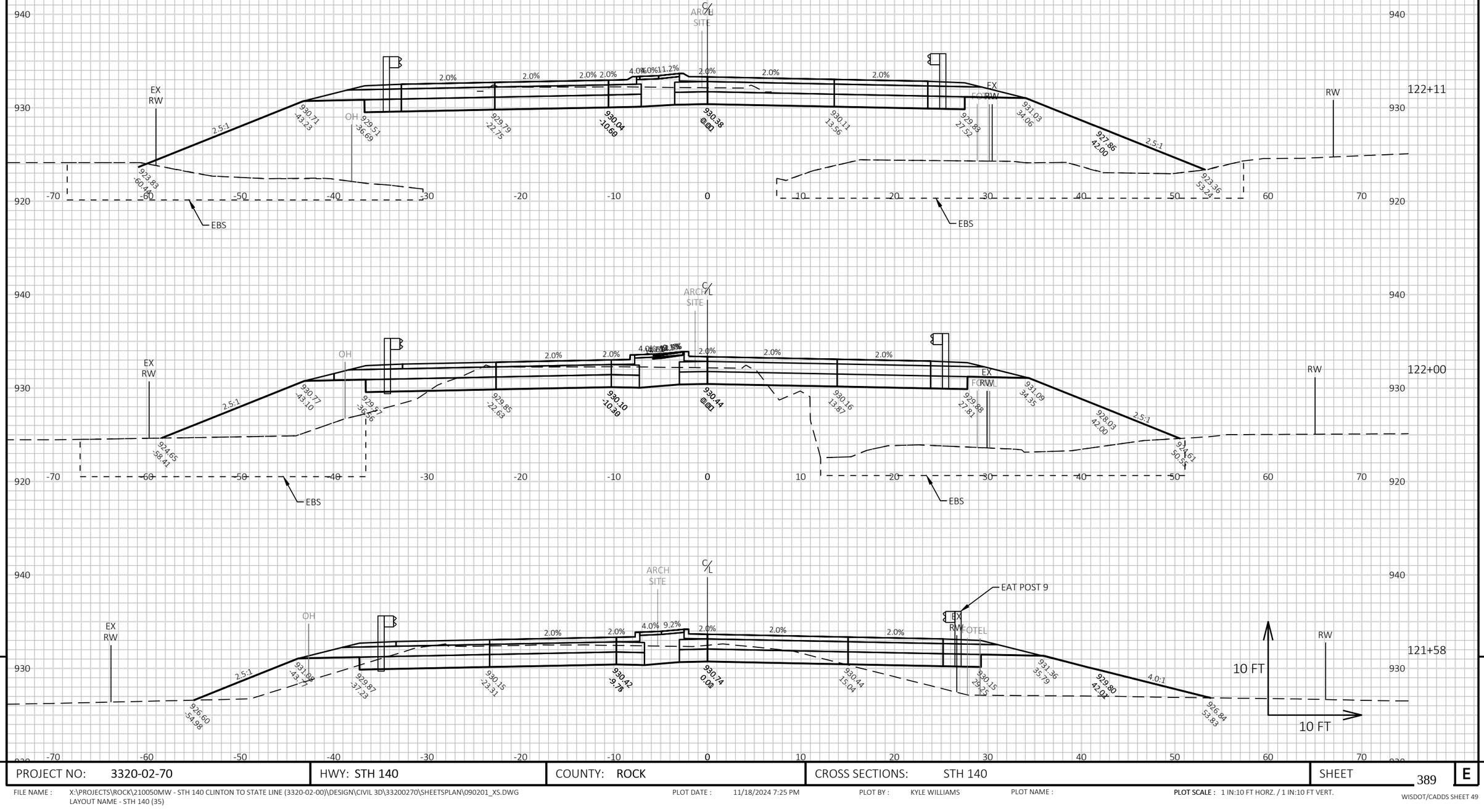
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 388	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (34)

PLOT DATE : 11/18/2024 7:23 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



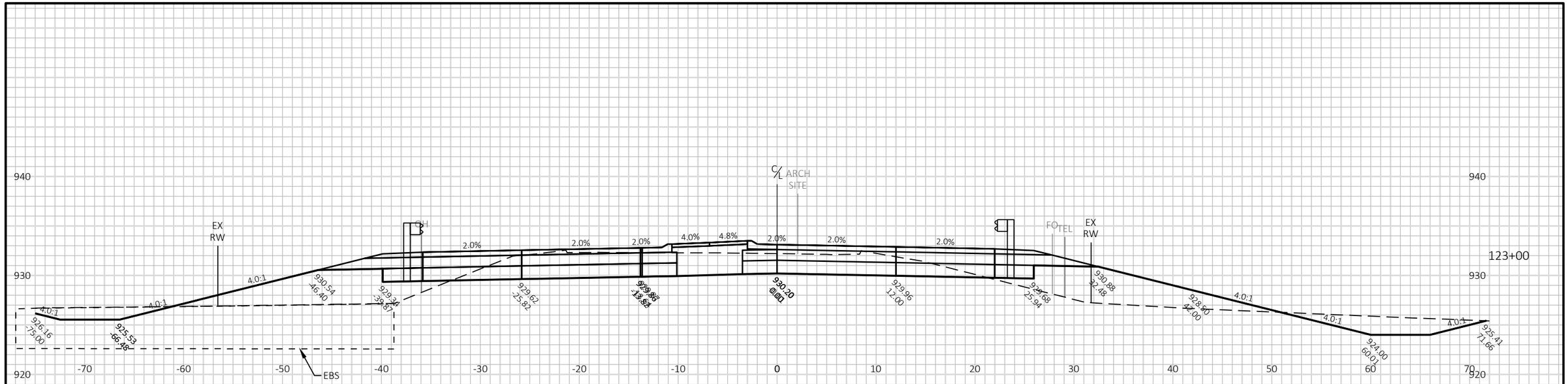
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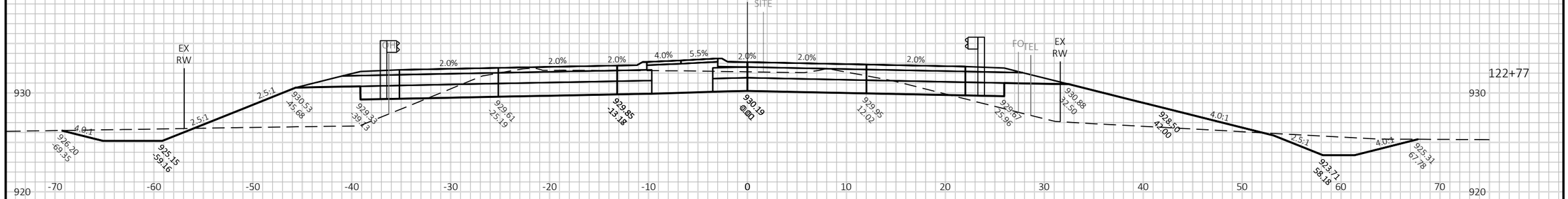
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 389	E

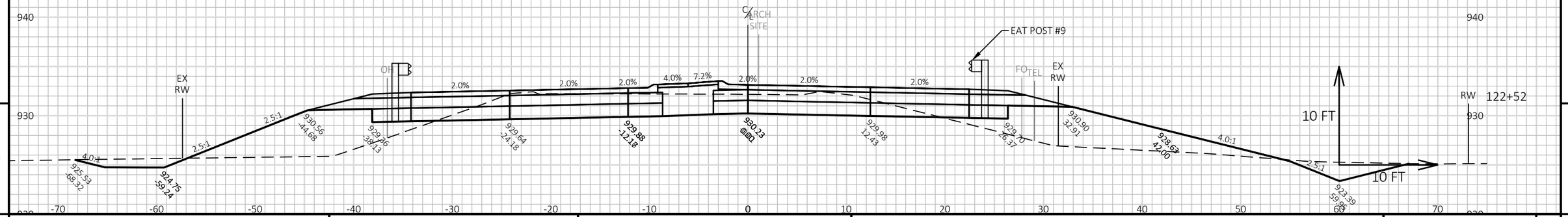
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (35)

PLOT DATE : 11/18/2024 7:25 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







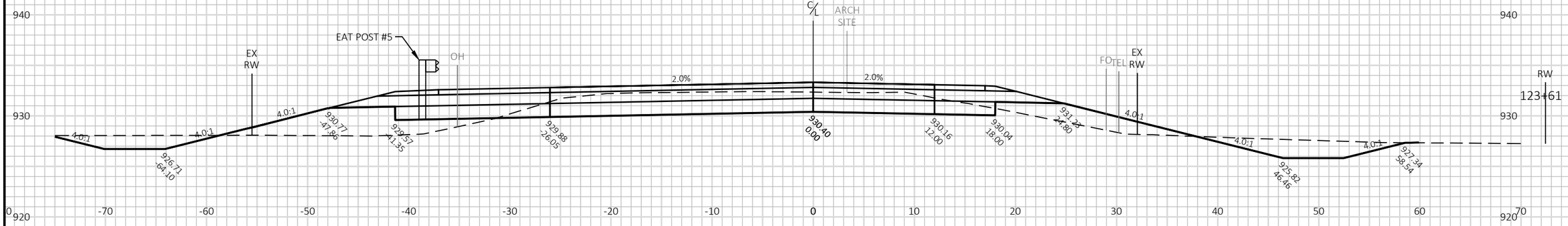
9 9

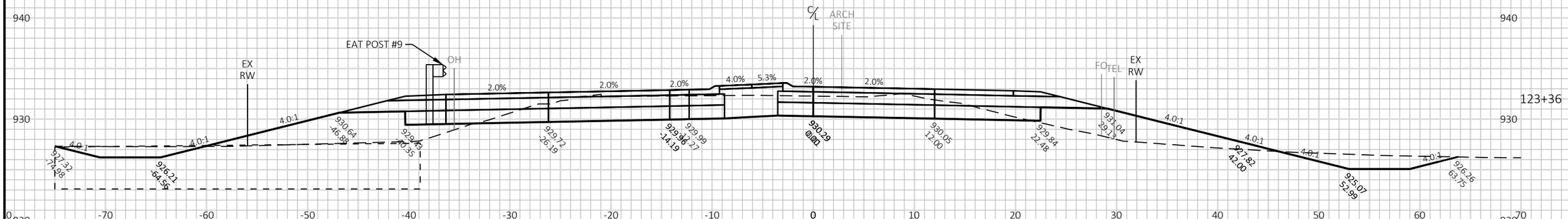
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 390	E

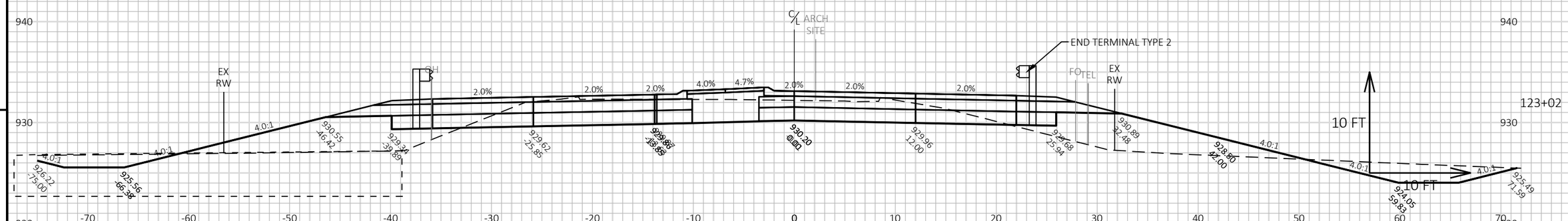
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (36)

PLOT DATE : 11/18/2024 7:27 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

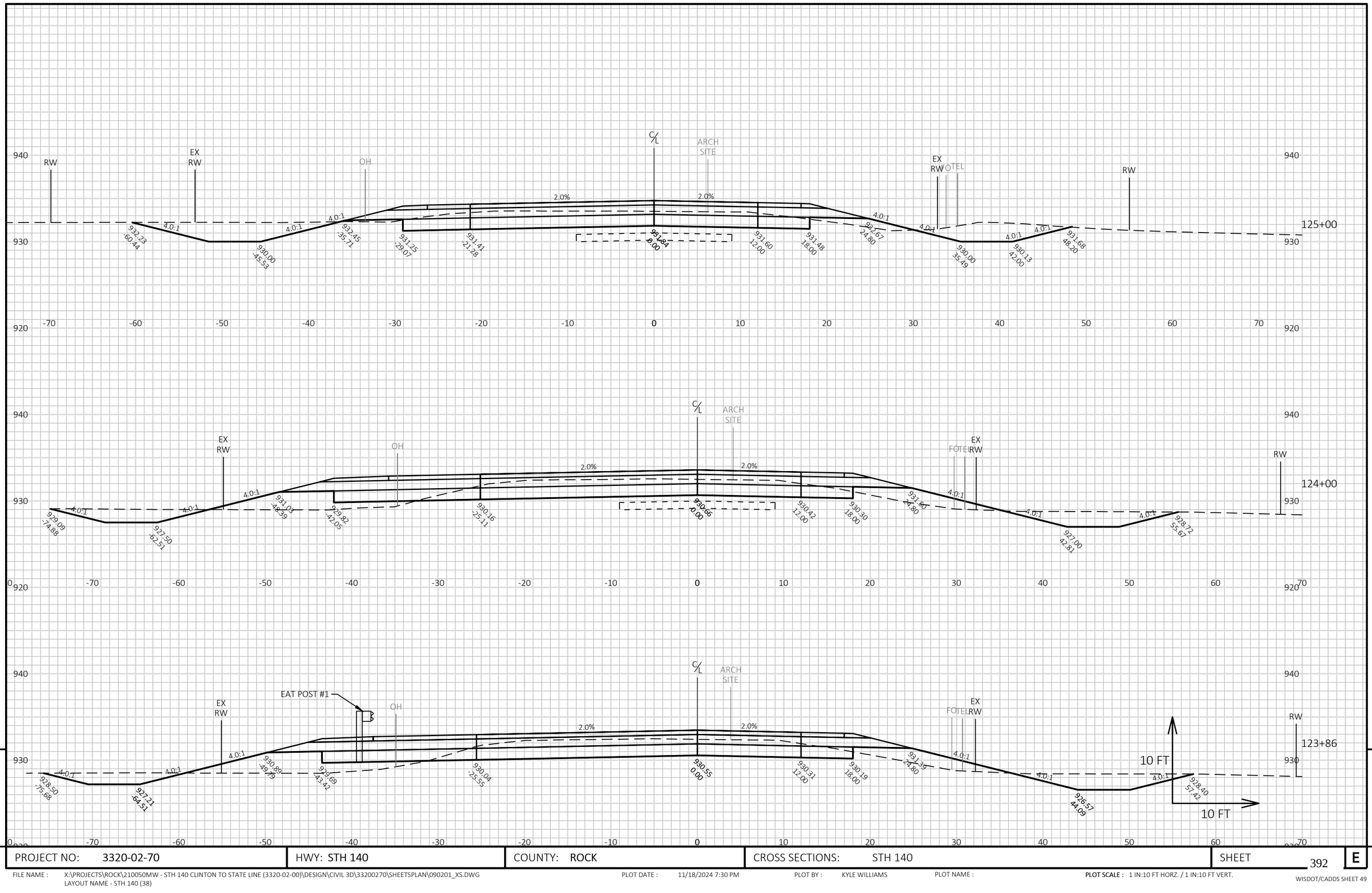
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 391	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (37)

PLOT DATE : 11/18/2024 7:29 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

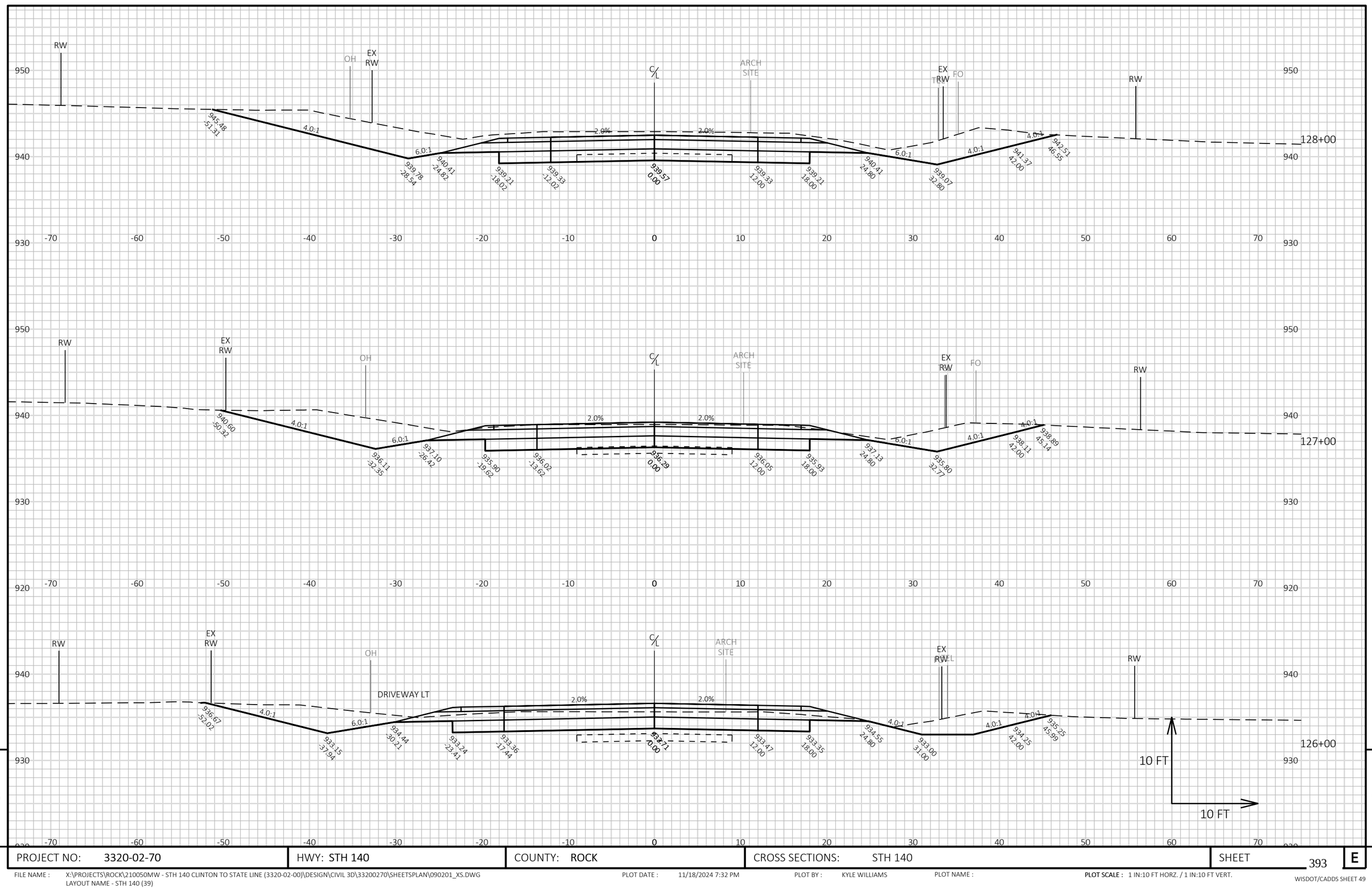


9	PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 392 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (38)

PLOT DATE : 11/18/2024 7:30 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

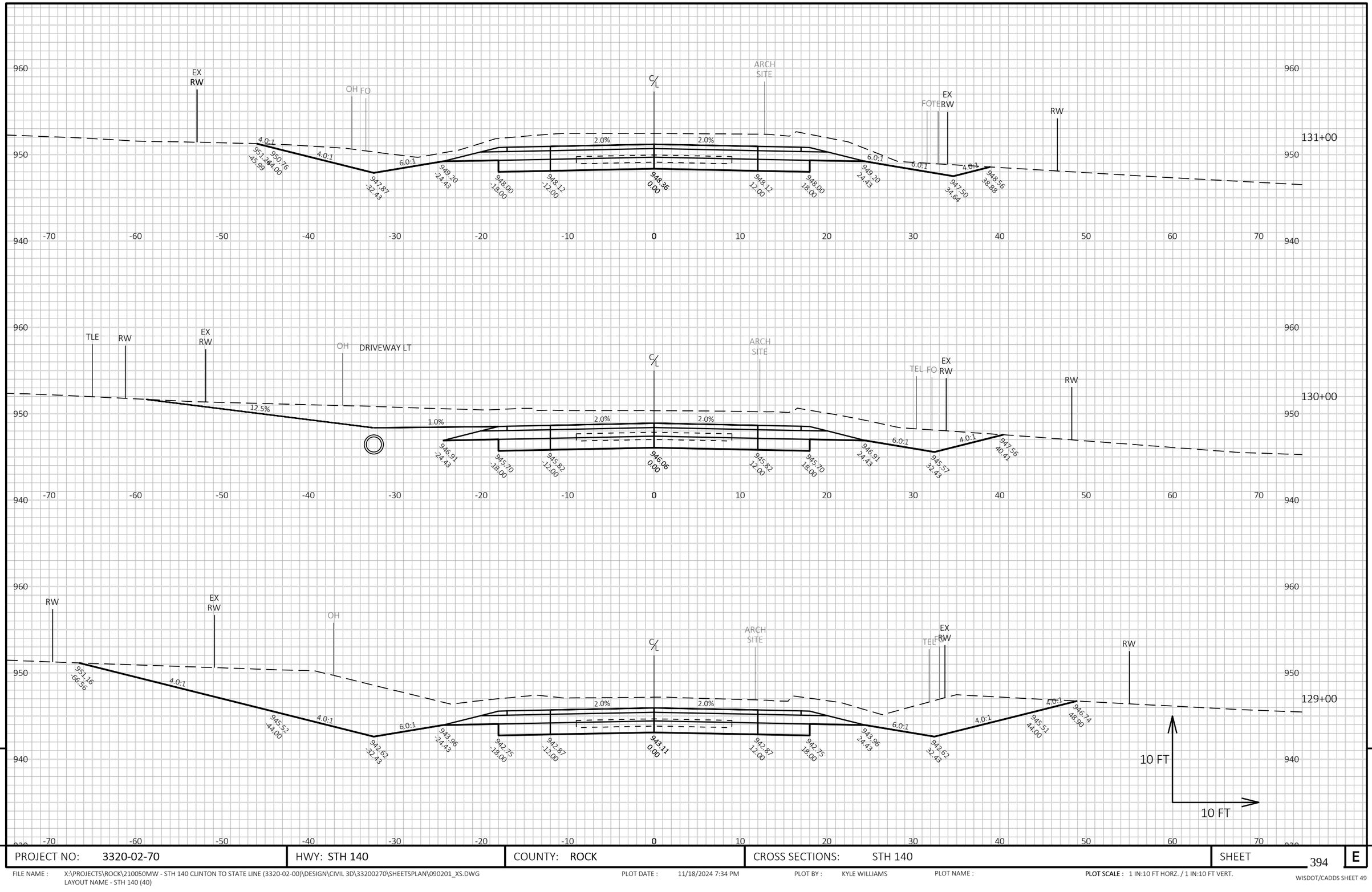


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 393 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (39)

PLOT DATE : 11/18/2024 7:32 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



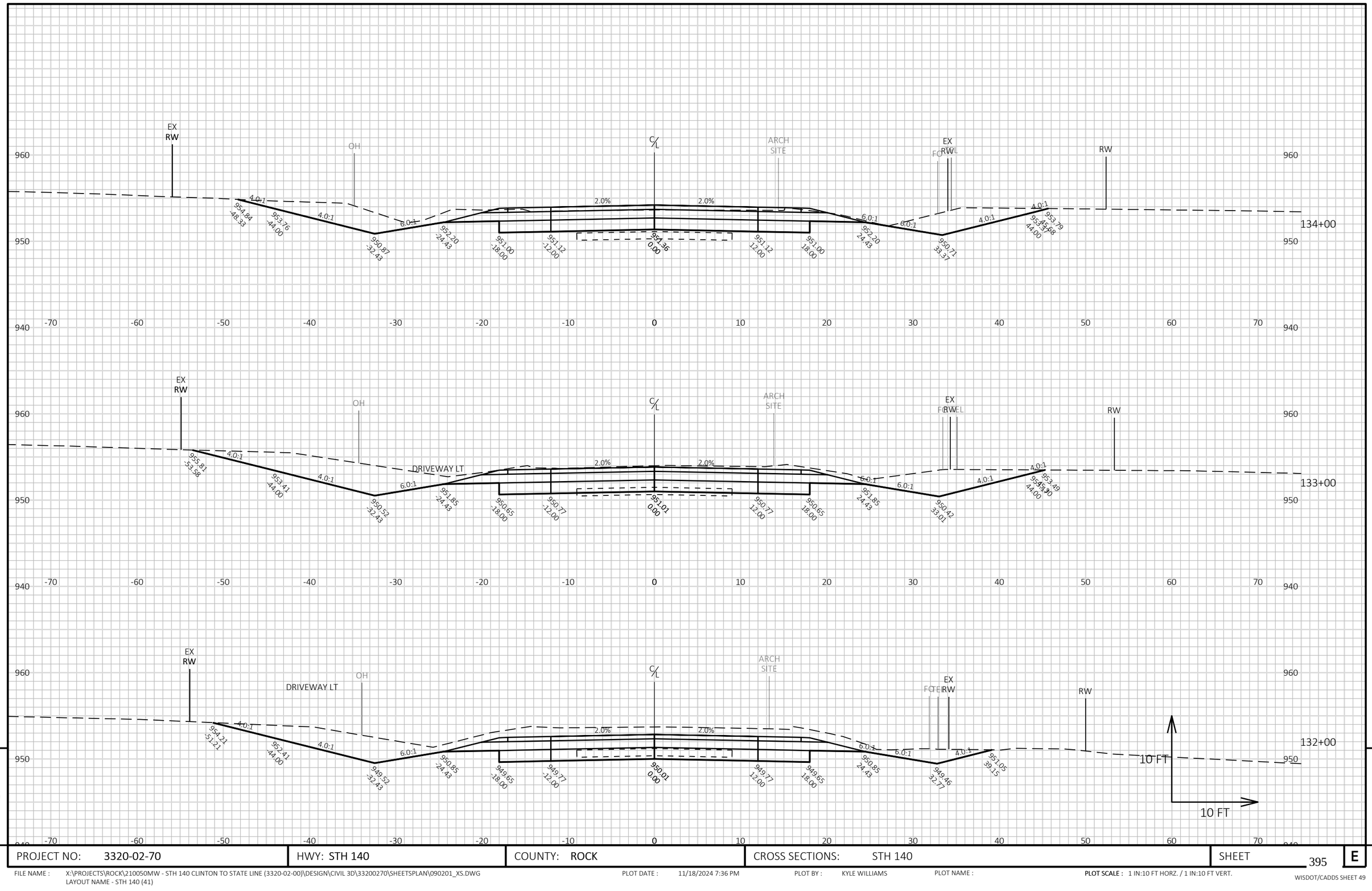
9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 394	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (40)

PLOT DATE : 11/18/2024 7:34 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

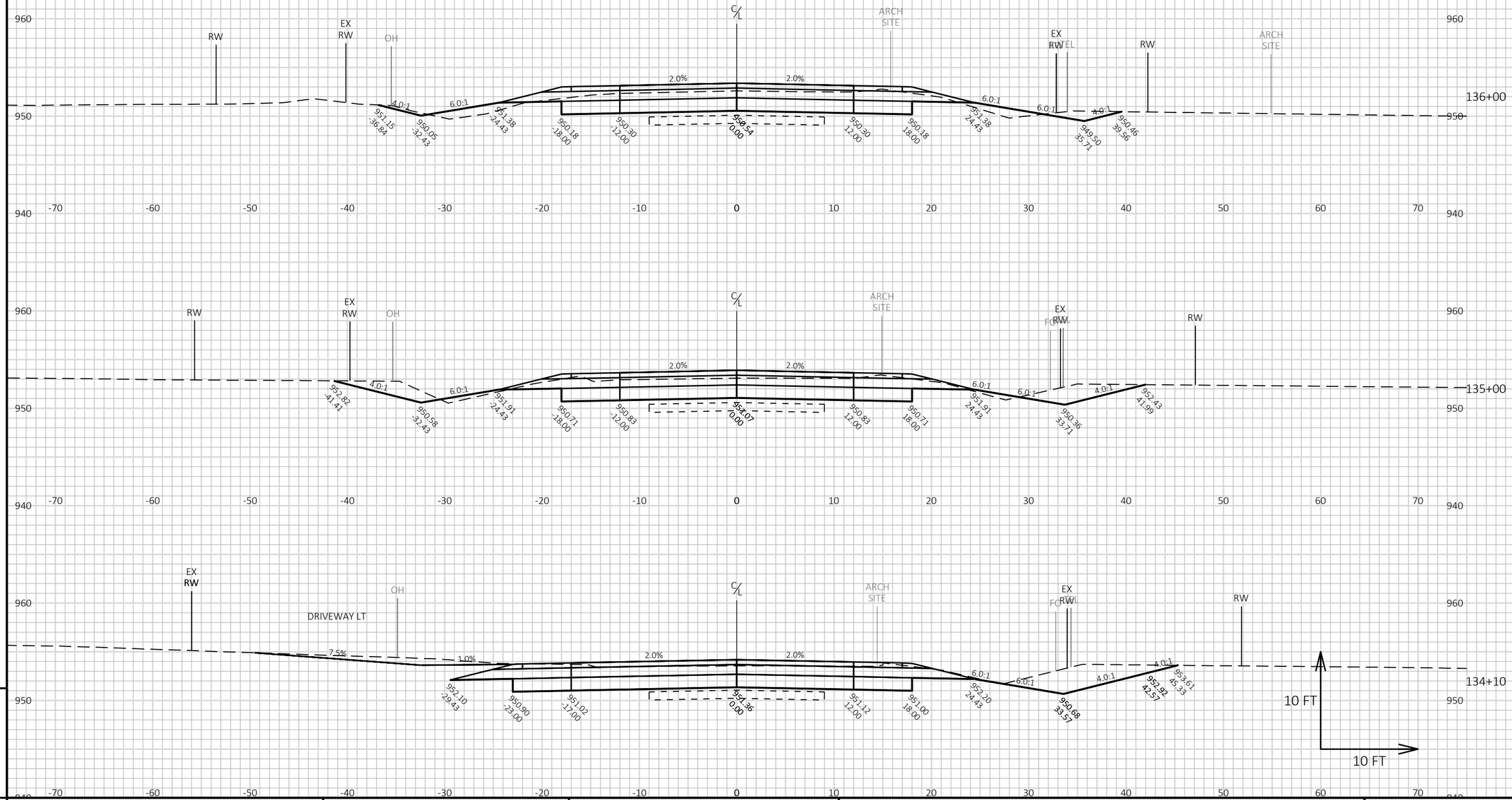


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 395	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (41)

PLOT DATE : 11/18/2024 7:36 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 396	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (42)

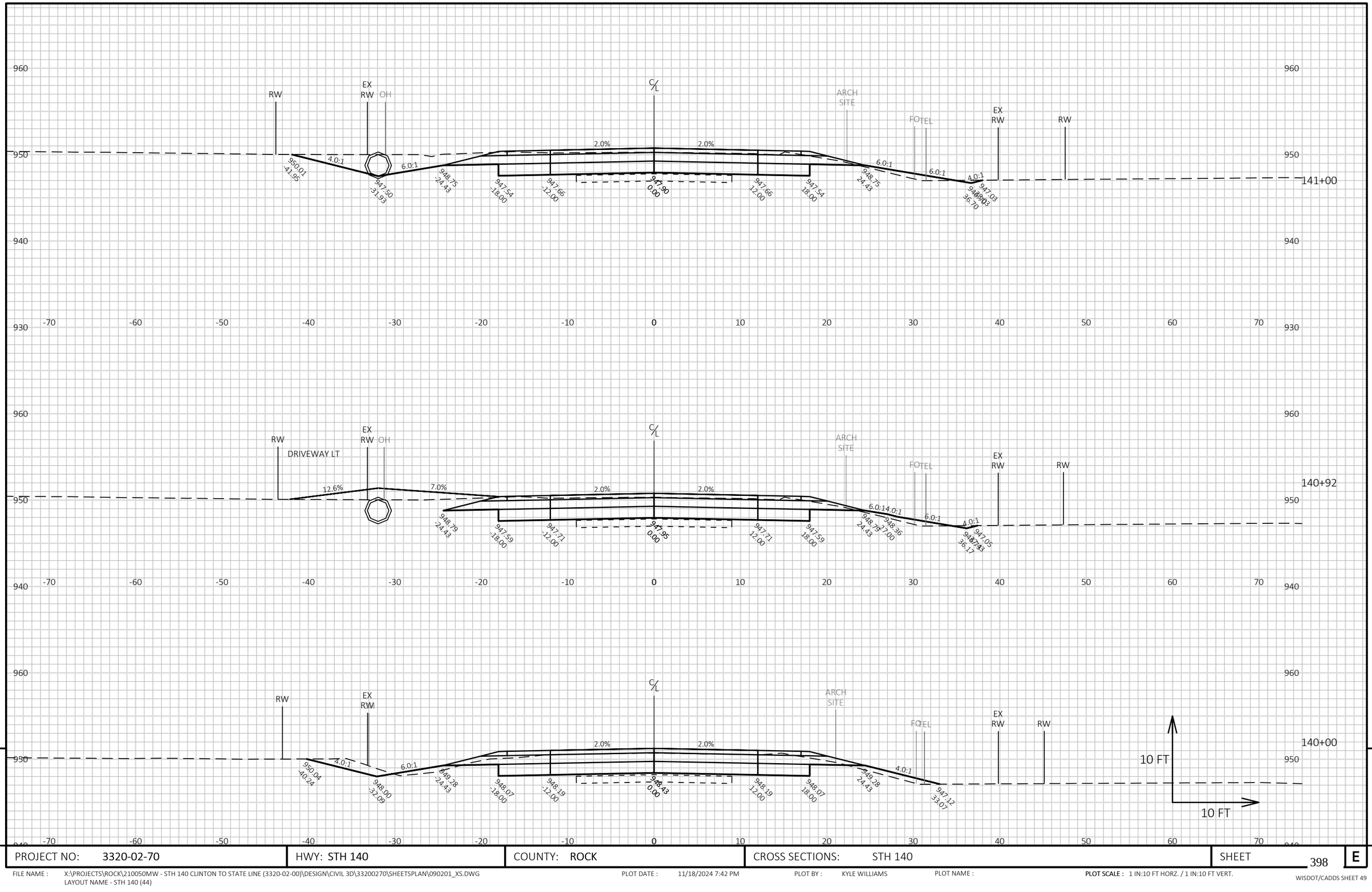
PLOT DATE : 11/18/2024 7:38 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 397	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (43)

PLOT DATE : 11/18/2024 7:40 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

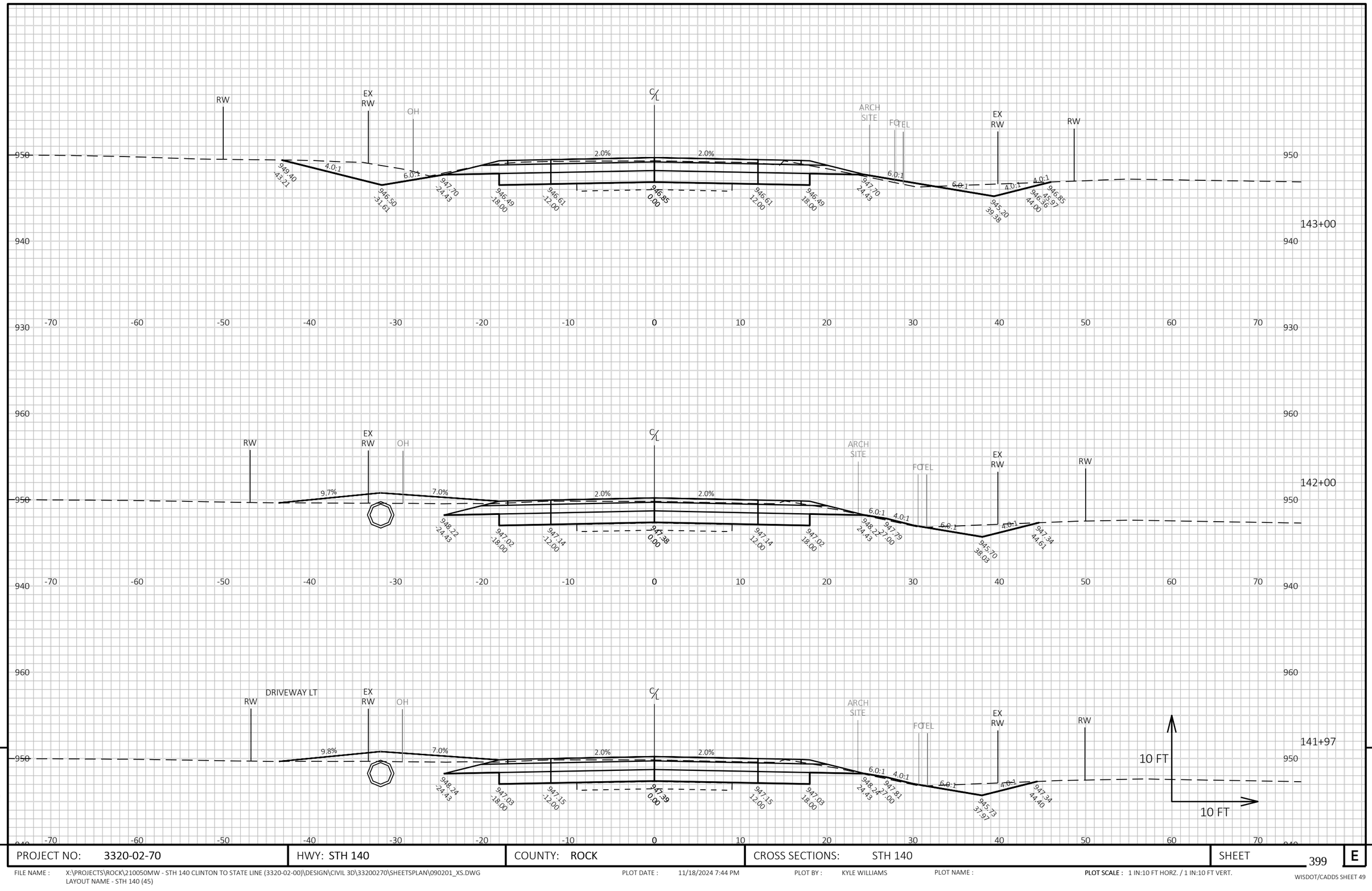
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 398	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (44)

PLOT DATE : 11/18/2024 7:42 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

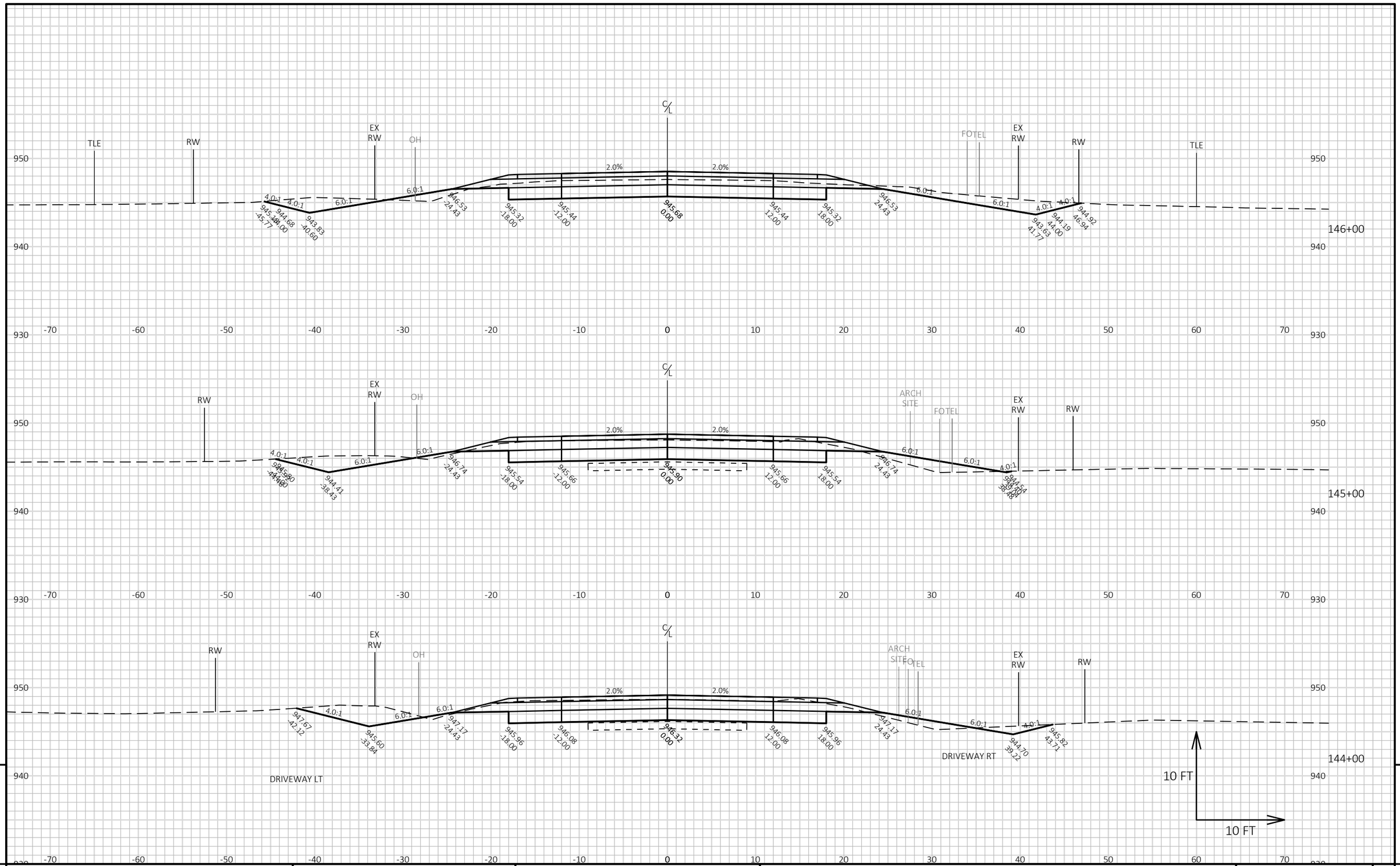
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 399	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (45)

PLOT DATE : 11/18/2024 7:44 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

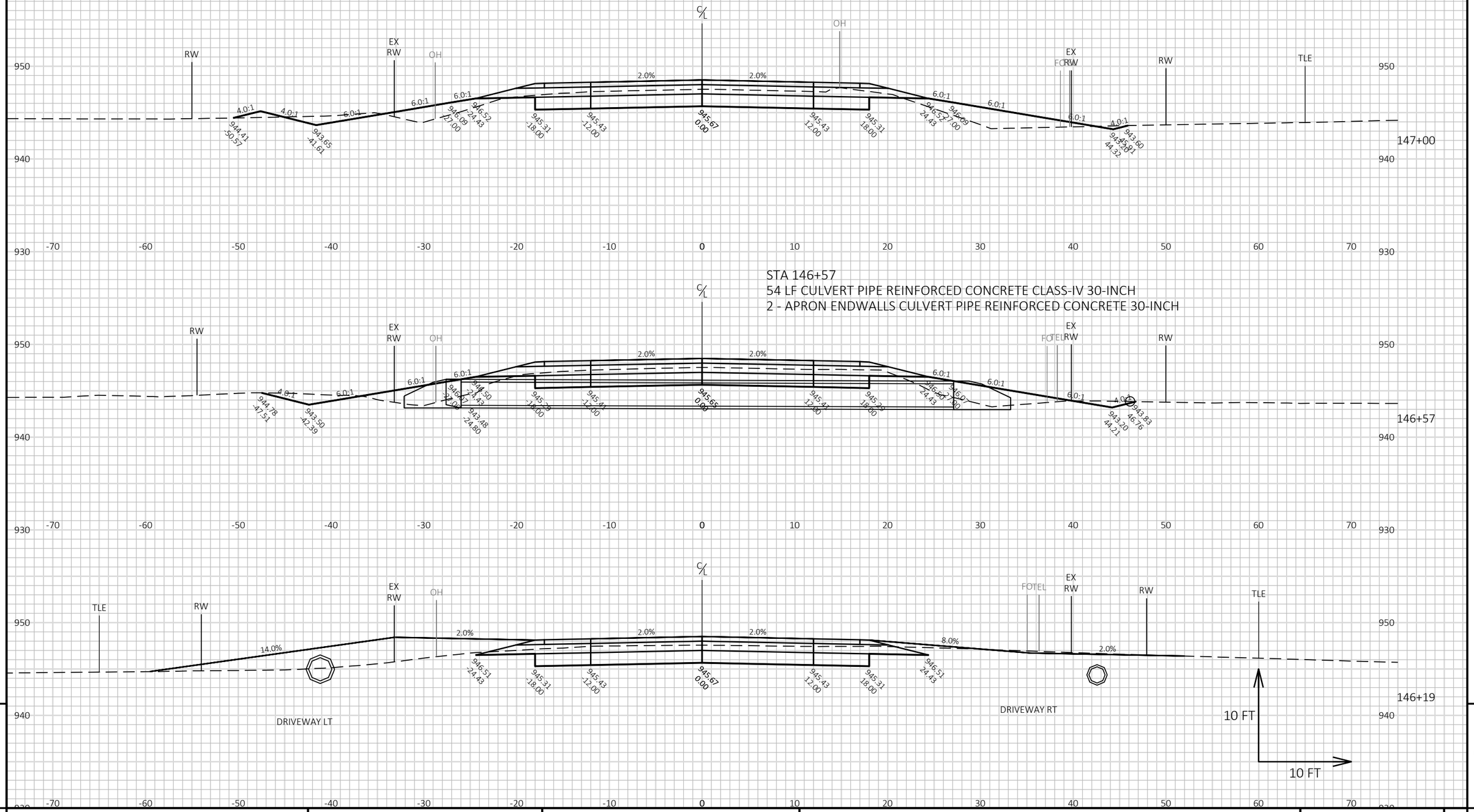
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 400	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (46)

PLOT DATE : 11/18/2024 7:46 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



STA 146+57
54 LF CULVERT PIPE REINFORCED CONCRETE CLASS-IV 30-INCH
2 - APRON ENDWALLS CULVERT PIPE REINFORCED CONCRETE 30-INCH

9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 401	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (47)

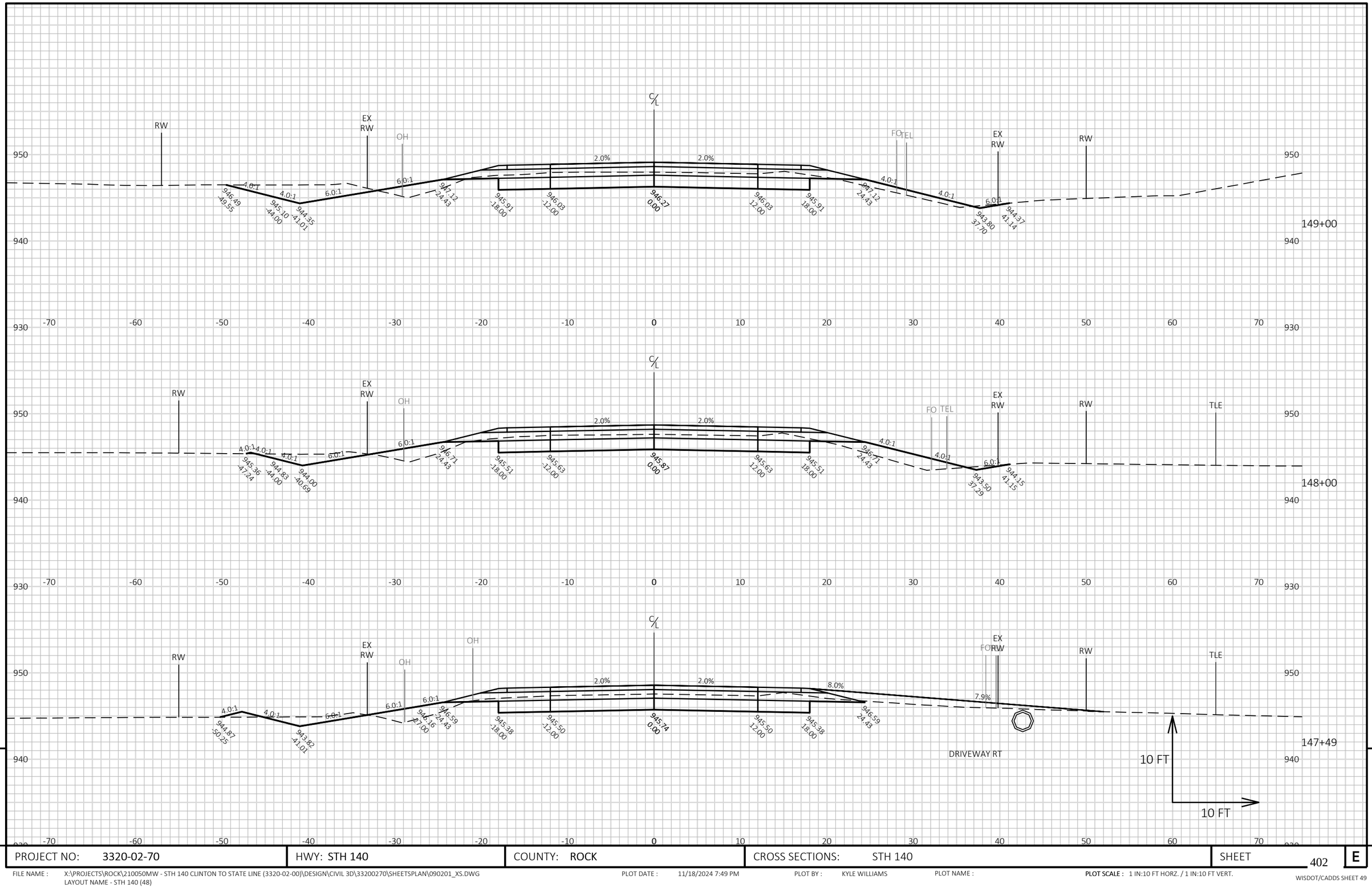
PLOT DATE : 11/18/2024 7:48 PM

PLOT BY : KYLE WILLIAMS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

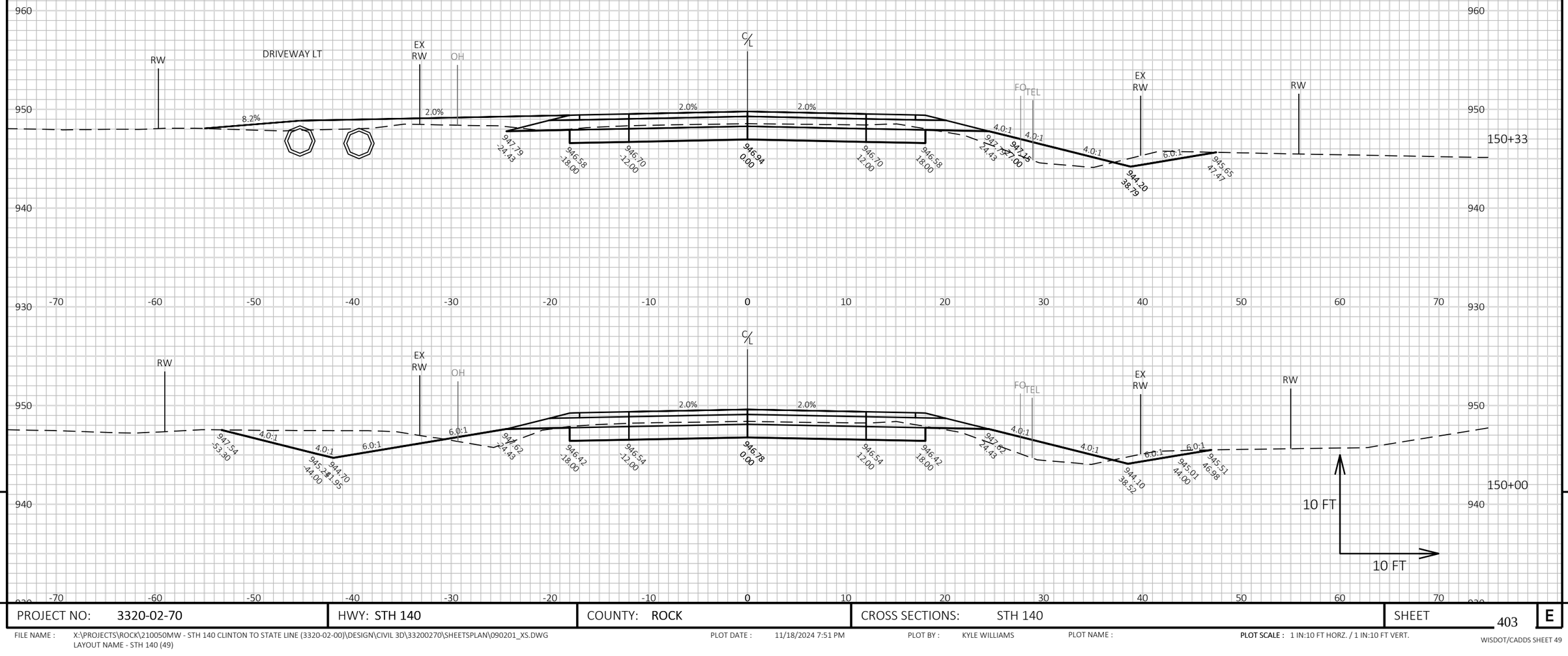


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 402 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (48)

PLOT DATE : 11/18/2024 7:49 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

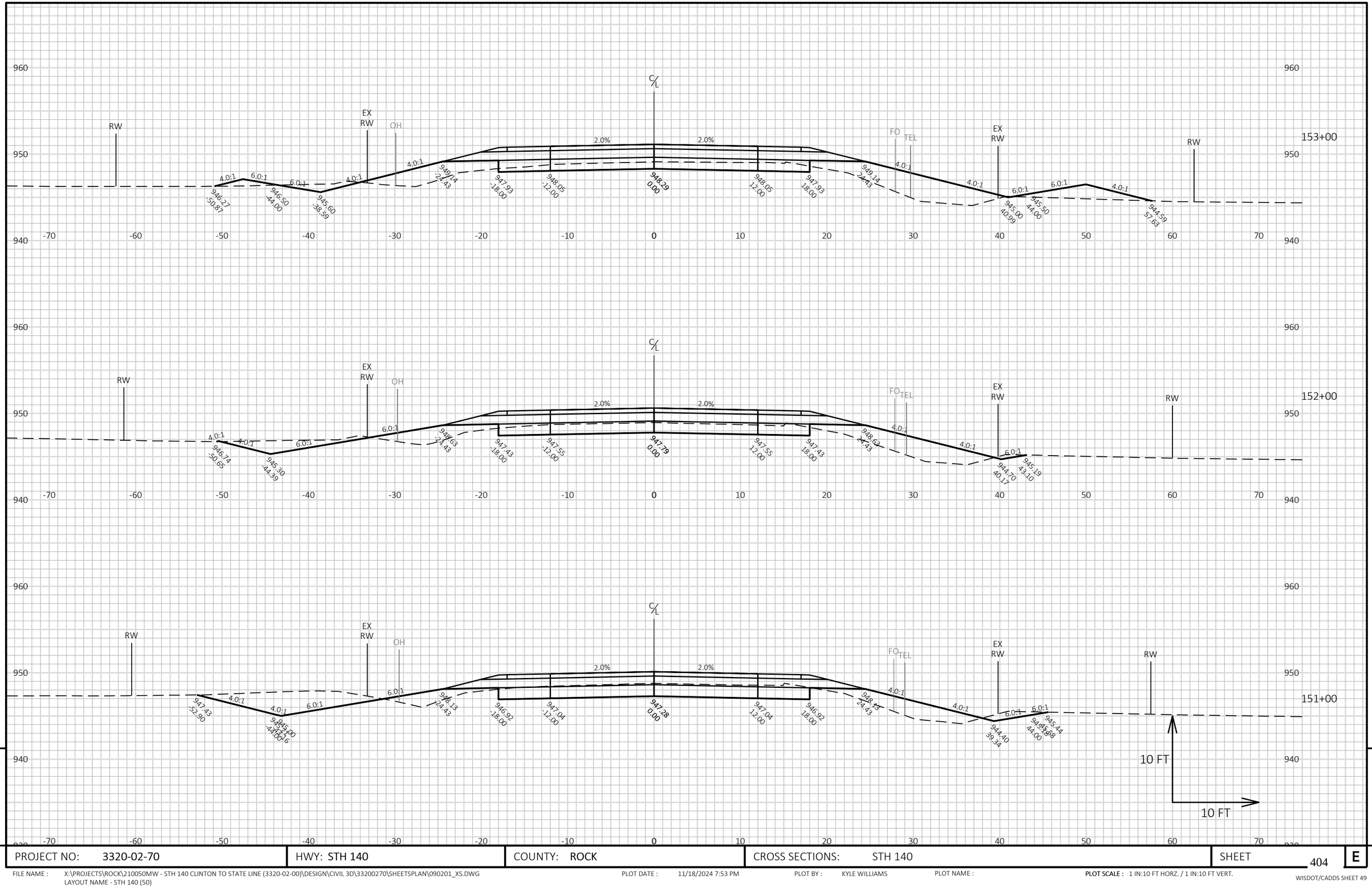


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 403 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (49)

PLOT DATE : 11/18/2024 7:51 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

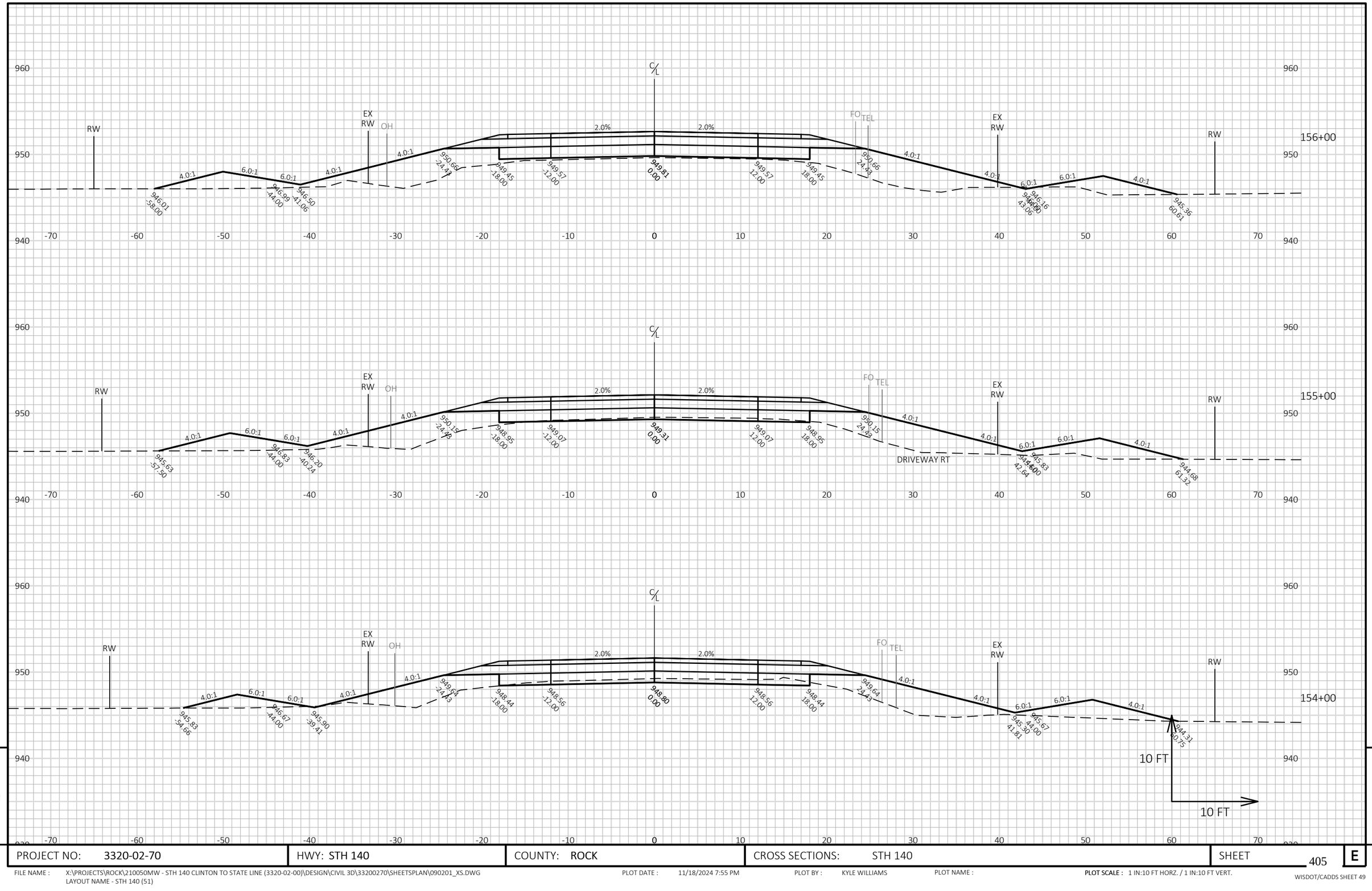
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 404	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (50)

PLOT DATE : 11/18/2024 7:53 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

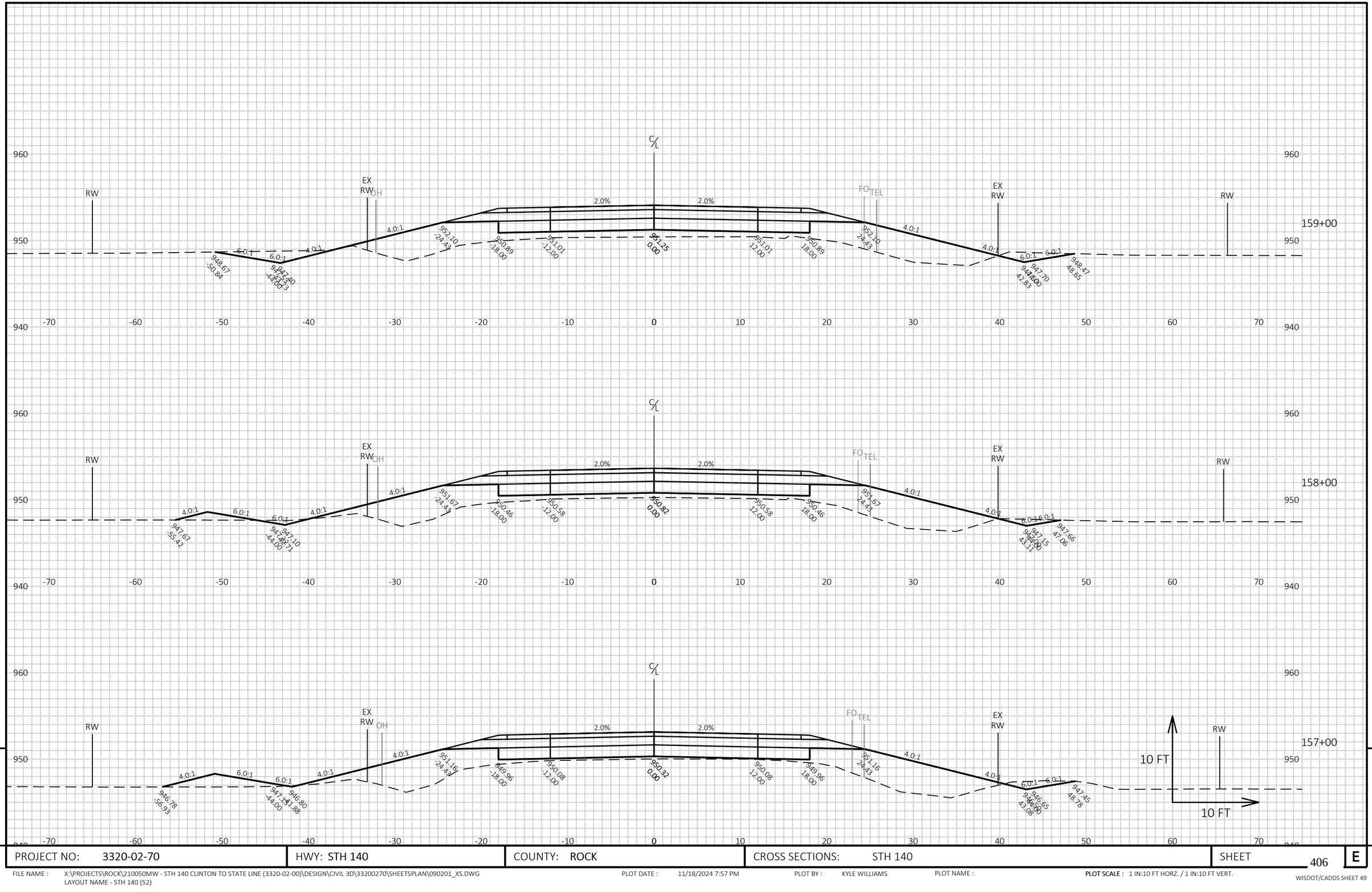


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 405	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (51)

PLOT DATE : 11/18/2024 7:55 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

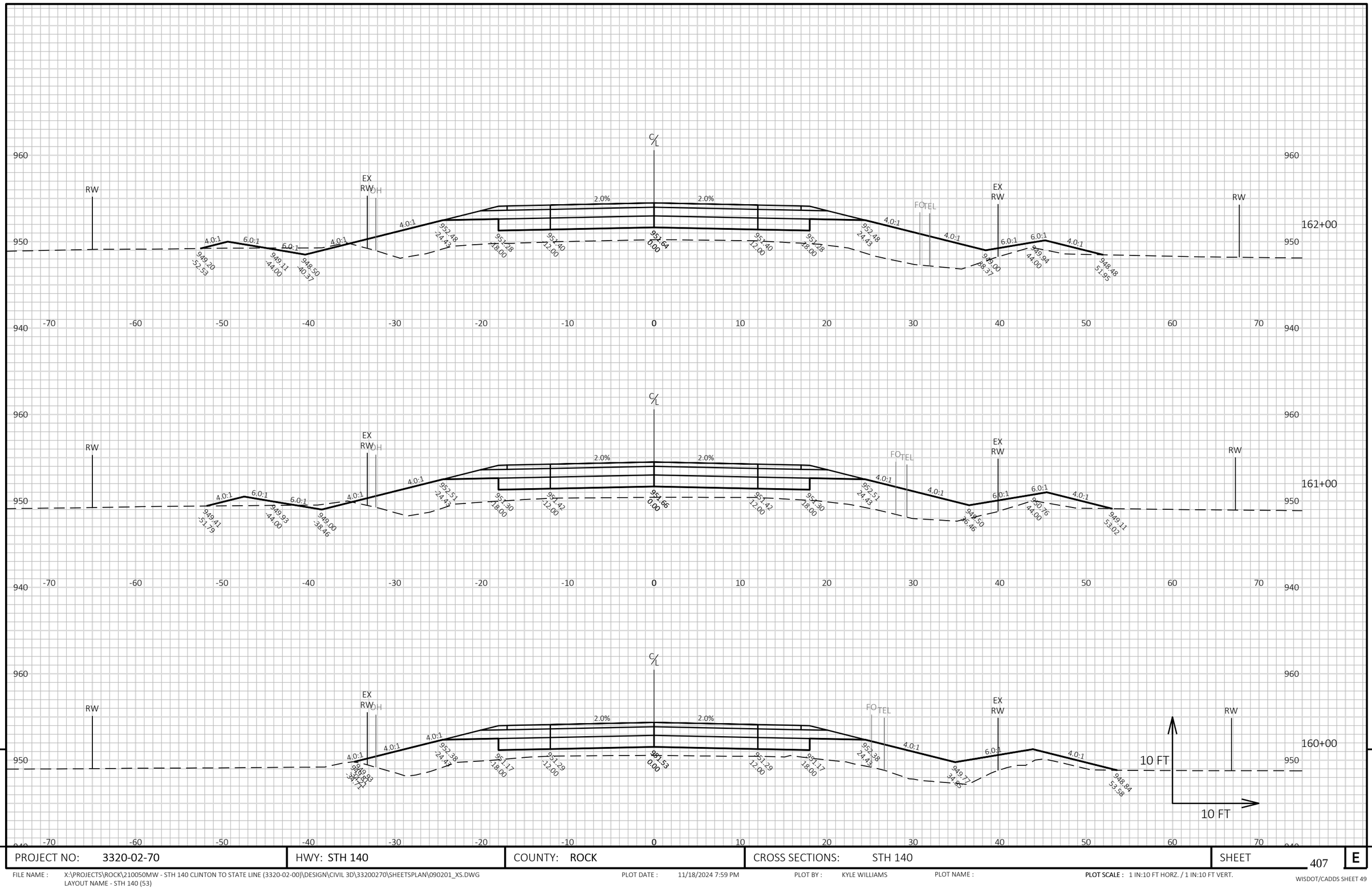
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 406	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (52)

PLOT DATE : 11/18/2024 7:57 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

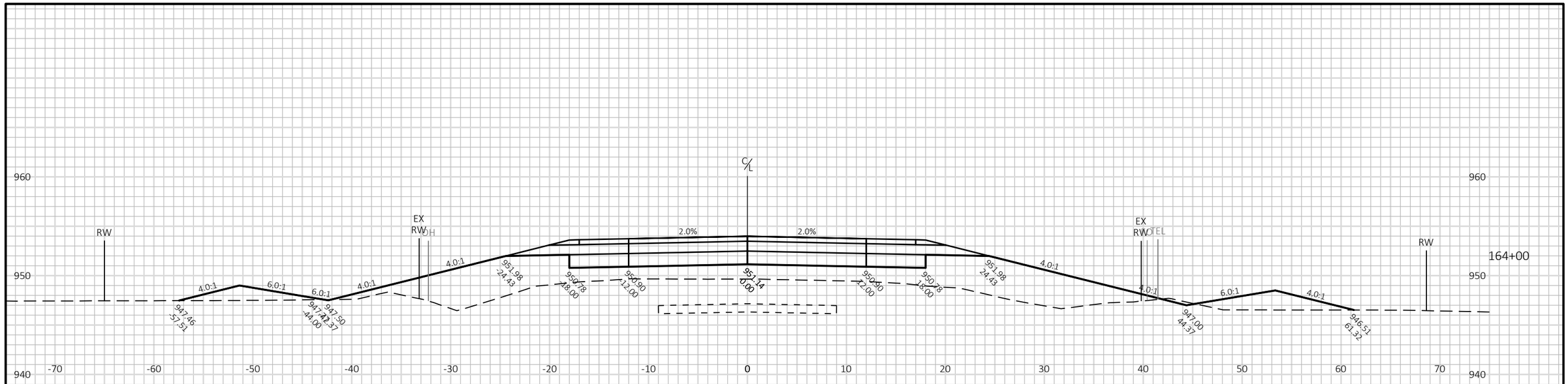
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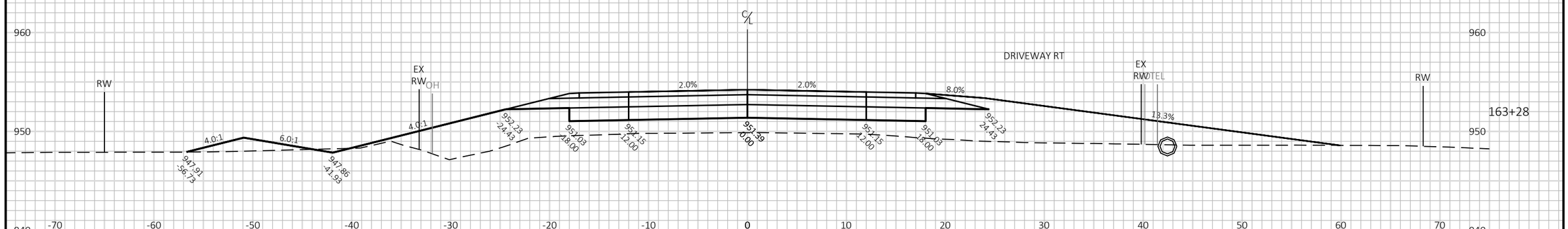
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 407	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (53)

PLOT DATE : 11/18/2024 7:59 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 408	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (54)

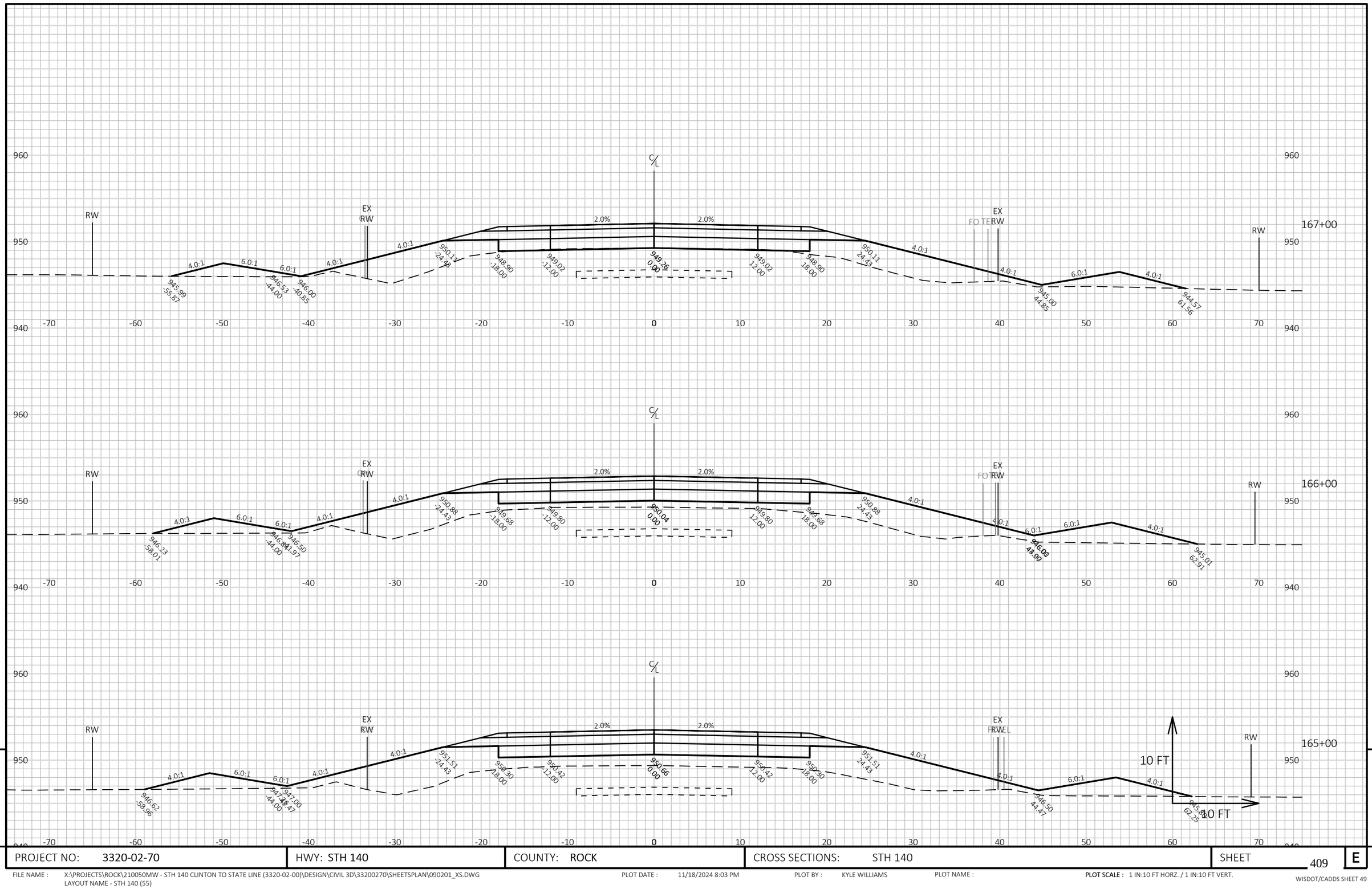
PLOT DATE : 11/18/2024 8:01 PM

PLOT BY : KYLE WILLIAMS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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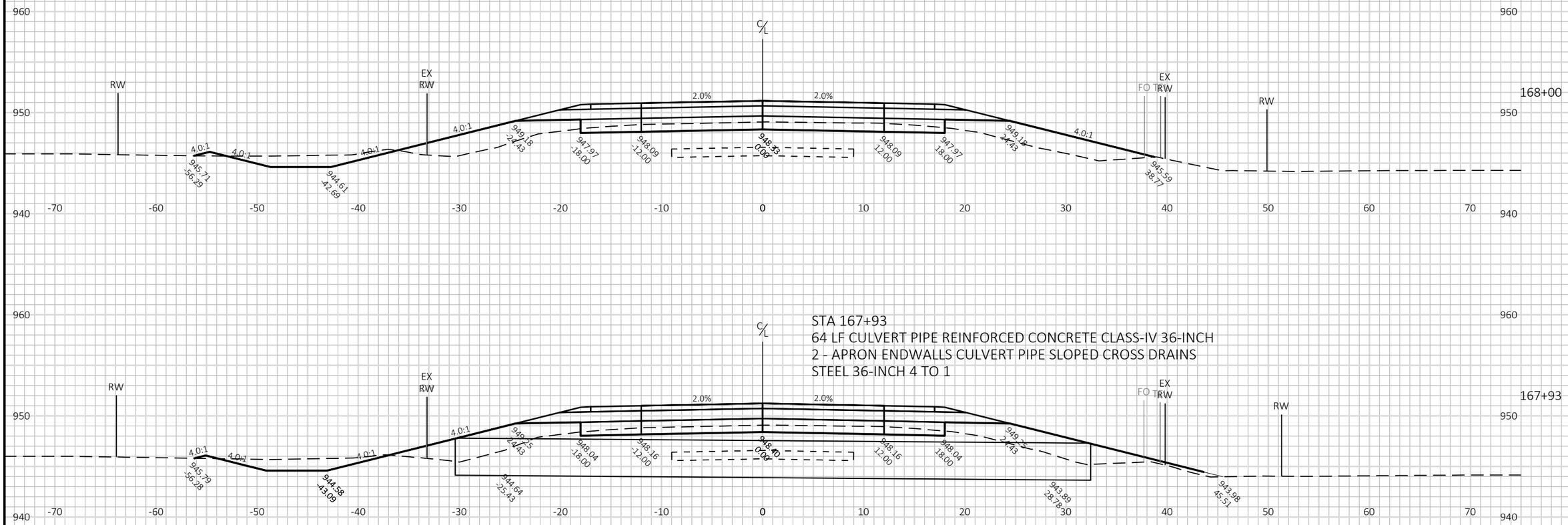
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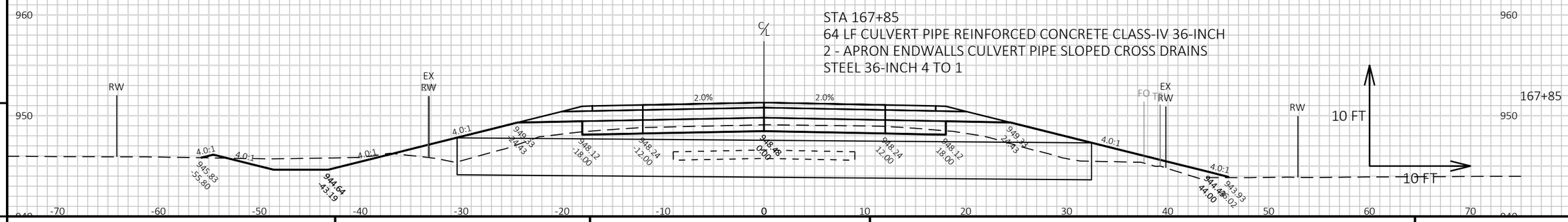
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 409	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (55)

PLOT DATE : 11/18/2024 8:03 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





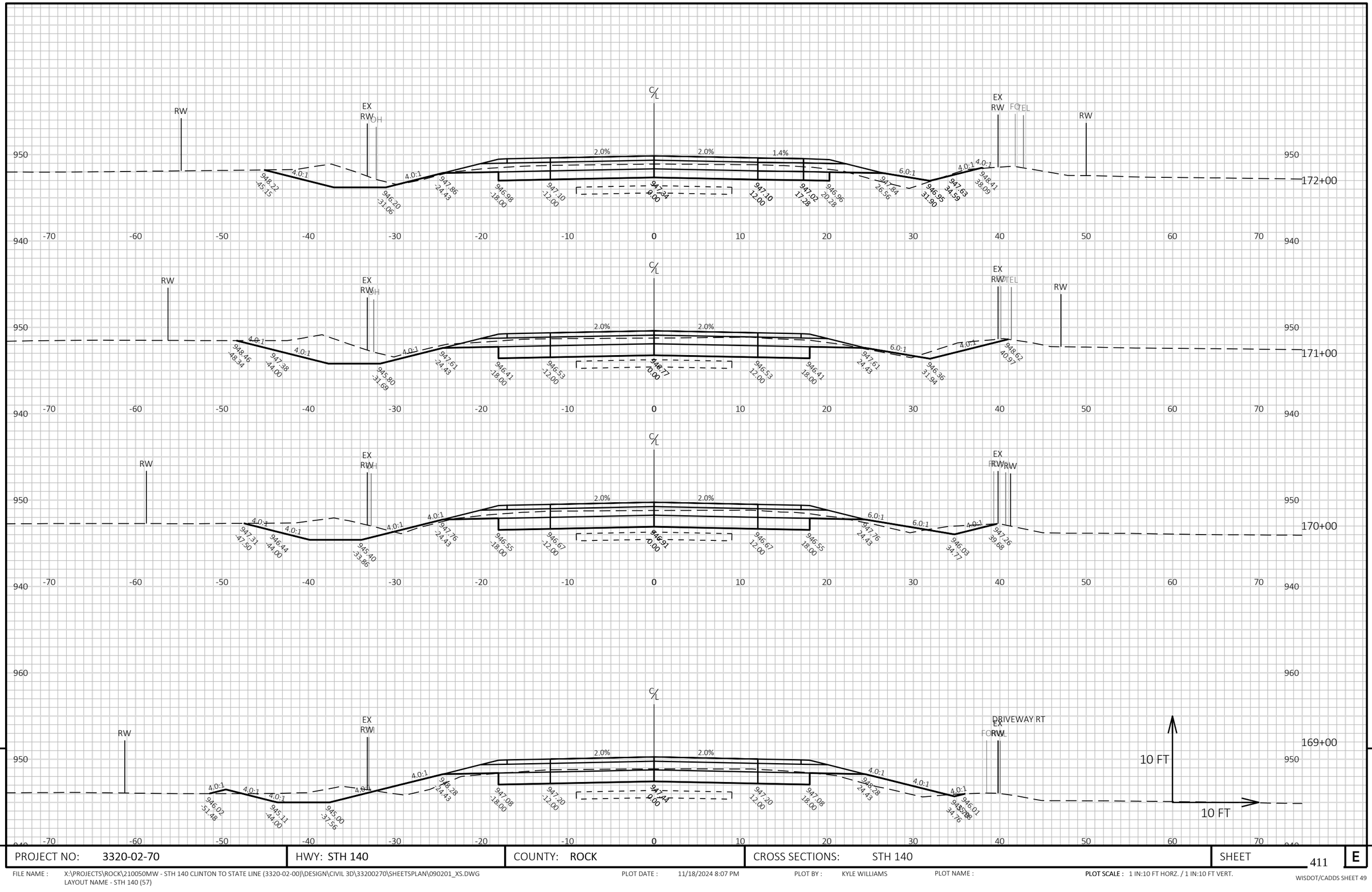
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 410	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (56)

PLOT DATE : 11/18/2024 8:05 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



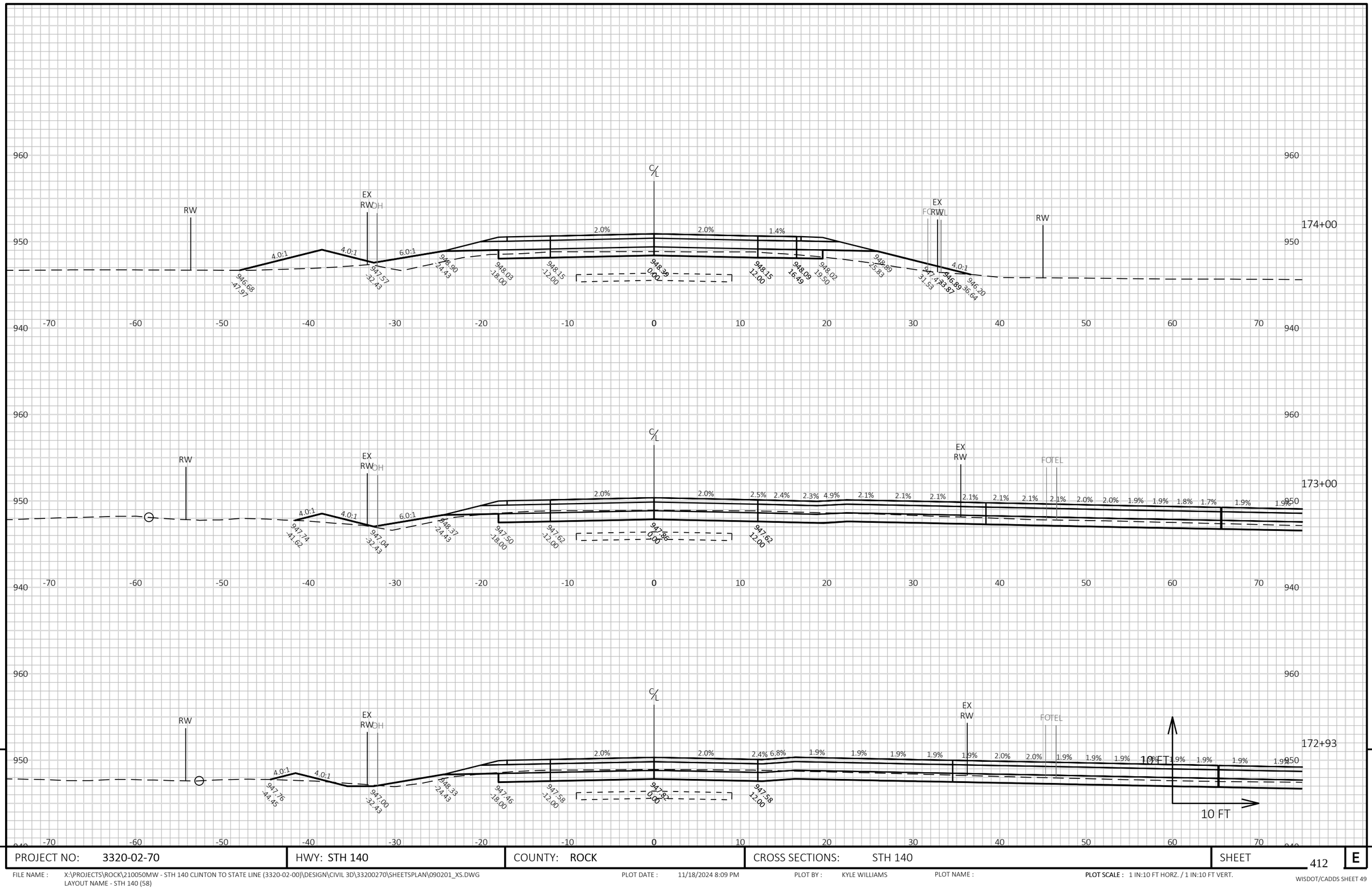
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 411	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (57)

PLOT DATE : 11/18/2024 8:07 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



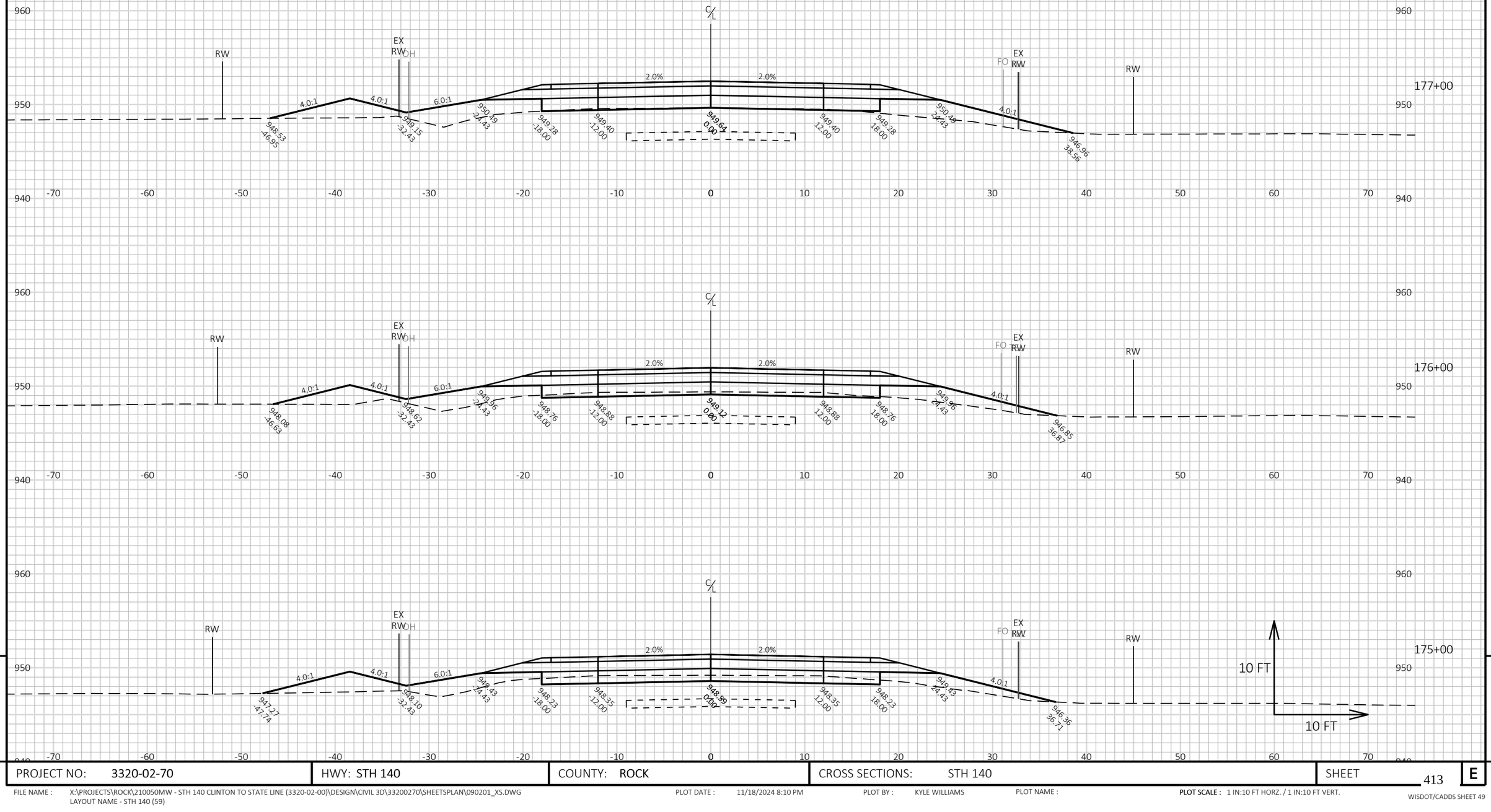
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 412	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (58)

PLOT DATE : 11/18/2024 8:09 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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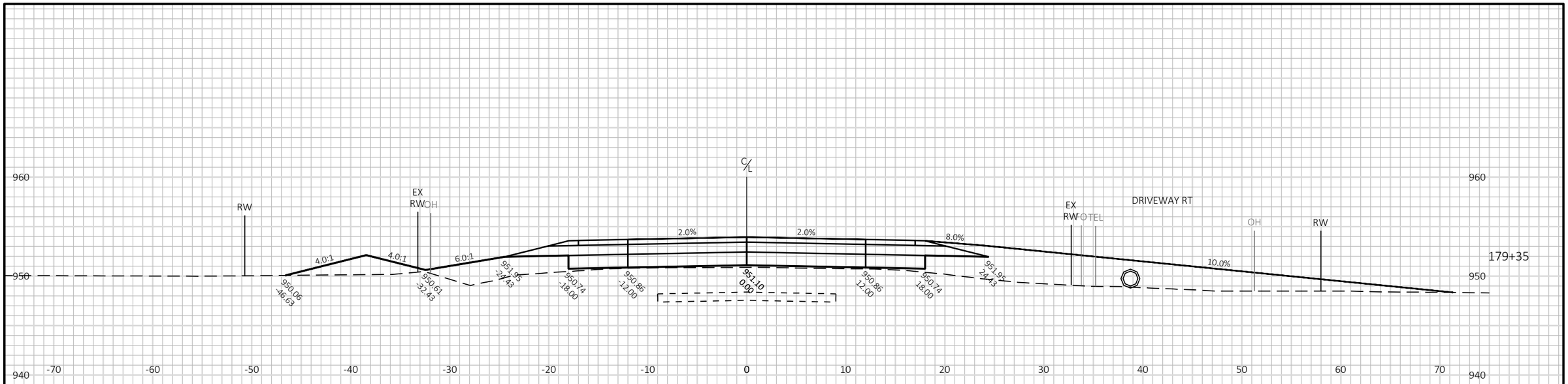
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 413	E

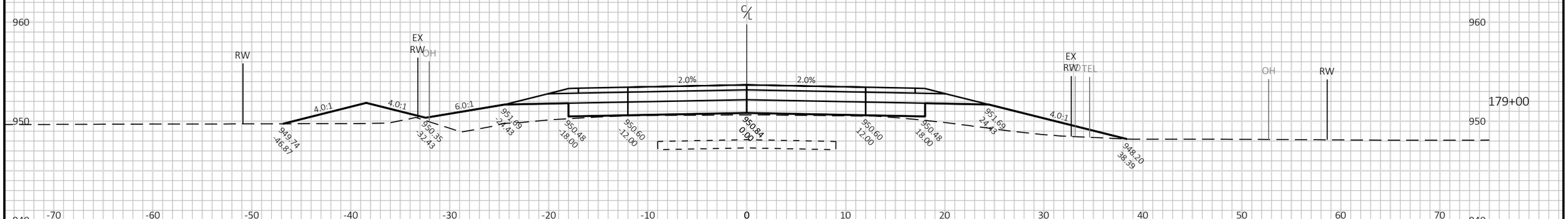
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (59)

PLOT DATE : 11/18/2024 8:10 PM PLOT BY : KYLE WILLIAMS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 414	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (60)

PLOT DATE : 11/18/2024 8:12 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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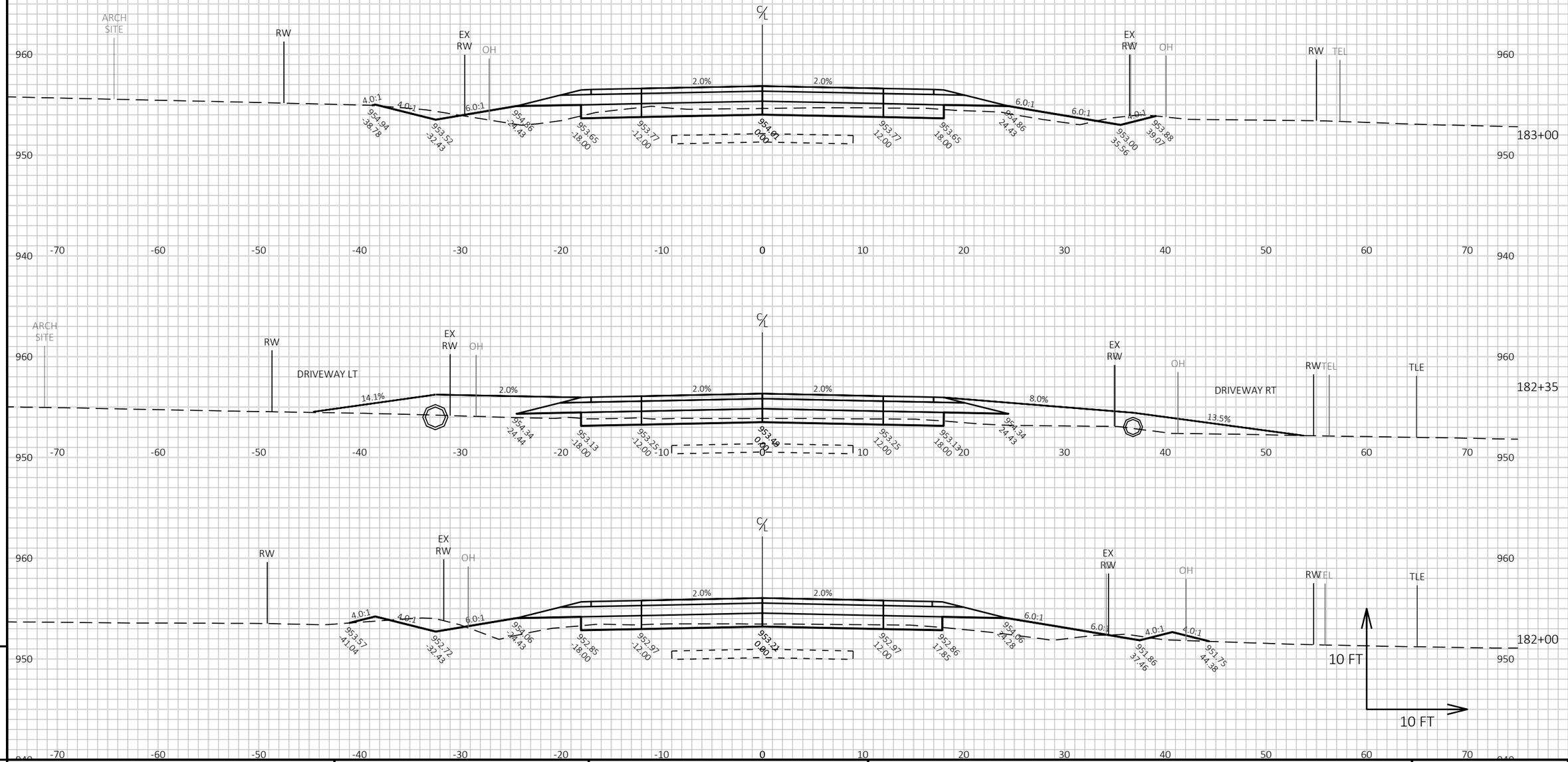
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 415	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (61)

PLOT DATE : 11/18/2024 8:14 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

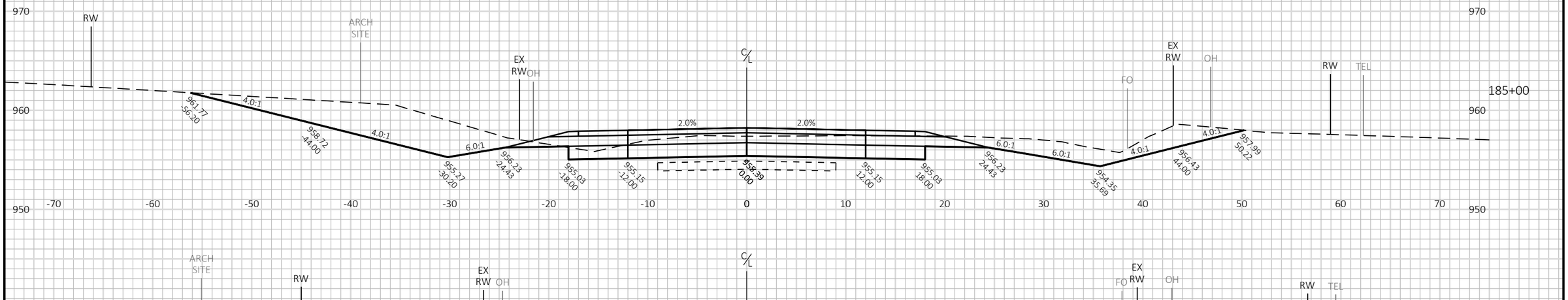
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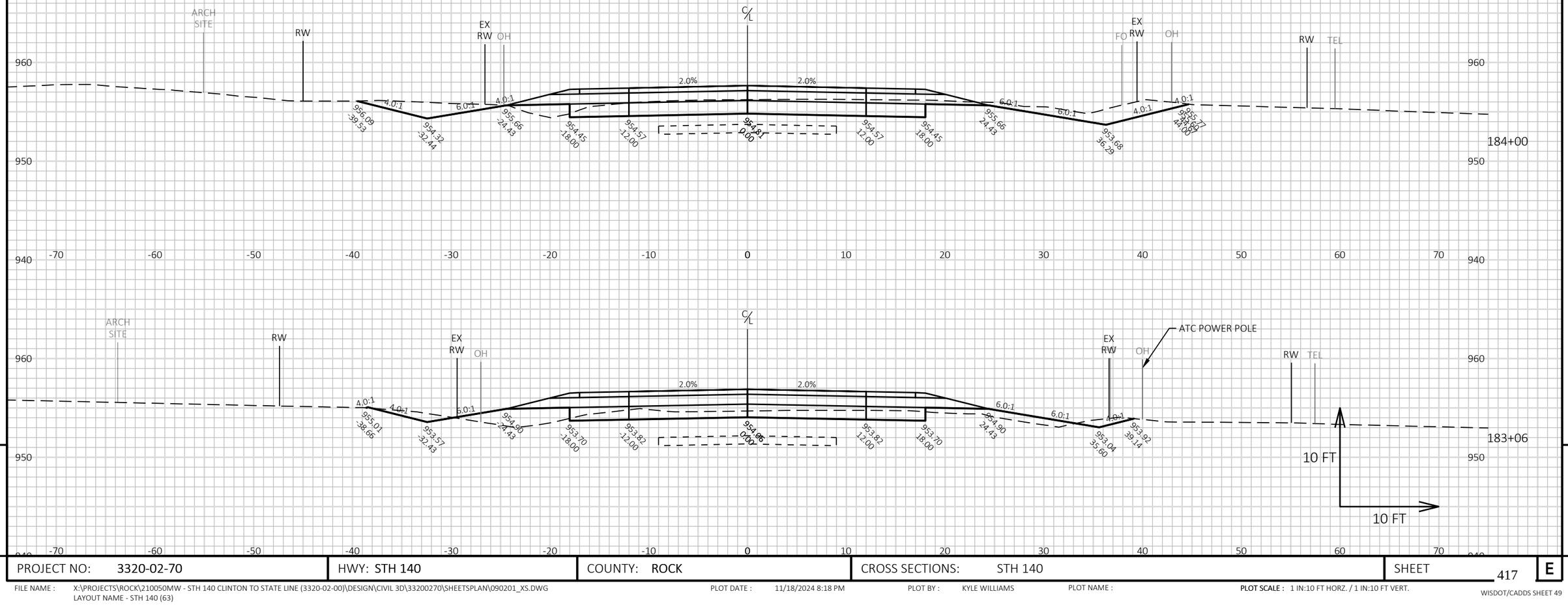
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 416	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (62)

PLOT DATE : 11/18/2024 8:16 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





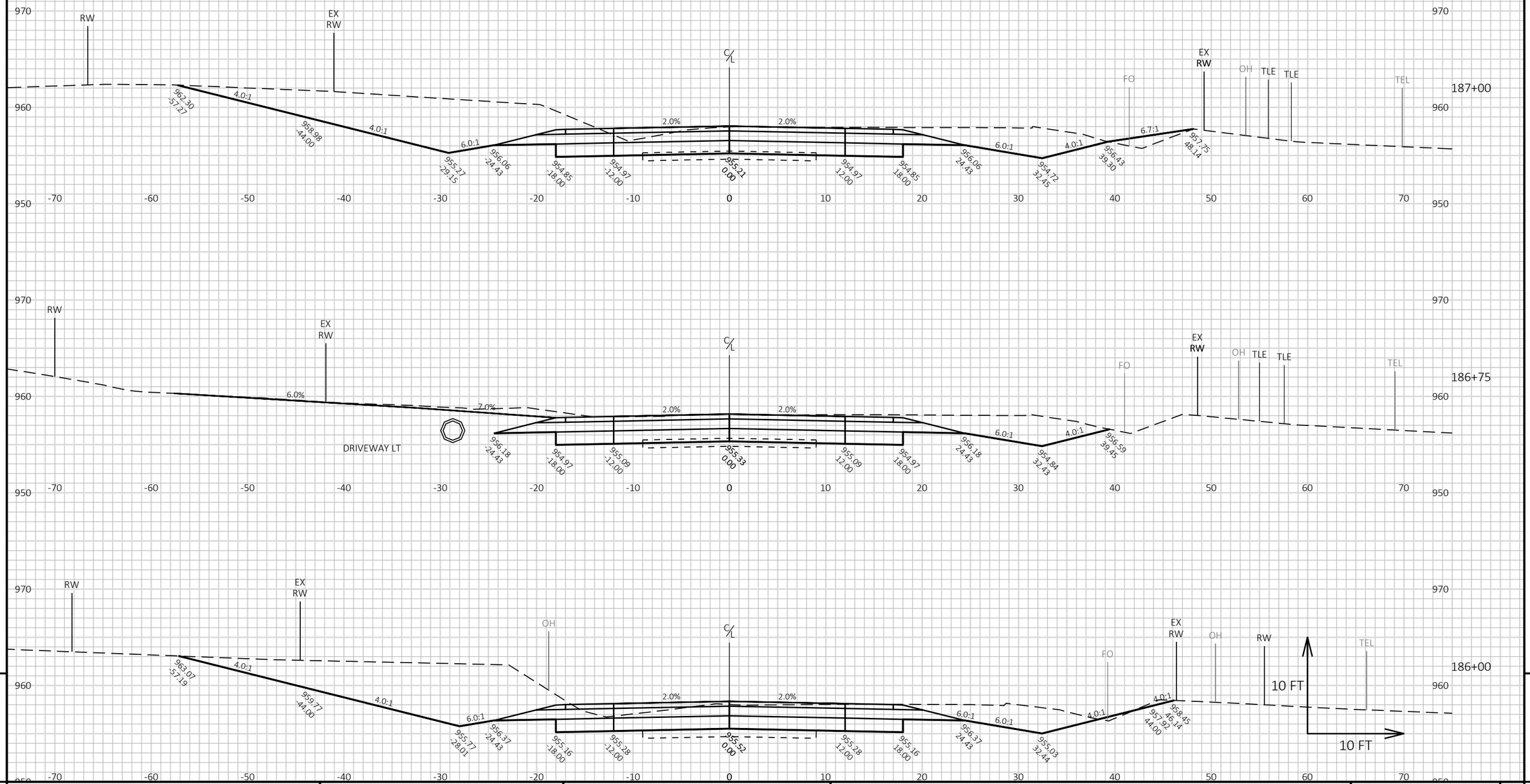
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 417	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (63)

PLOT DATE : 11/18/2024 8:18 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



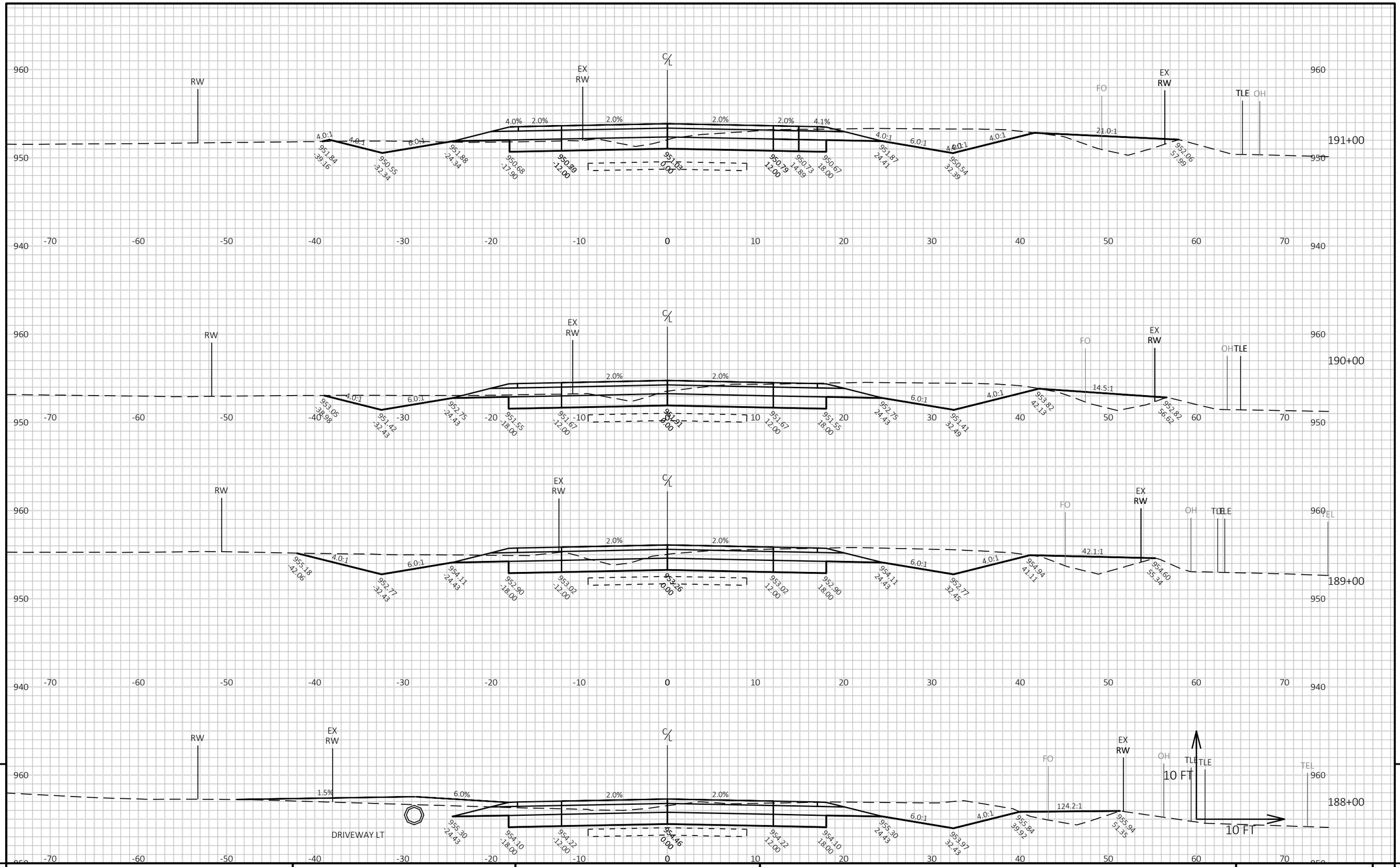
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 418	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (64)

PLOT DATE : 11/18/2024 8:20 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



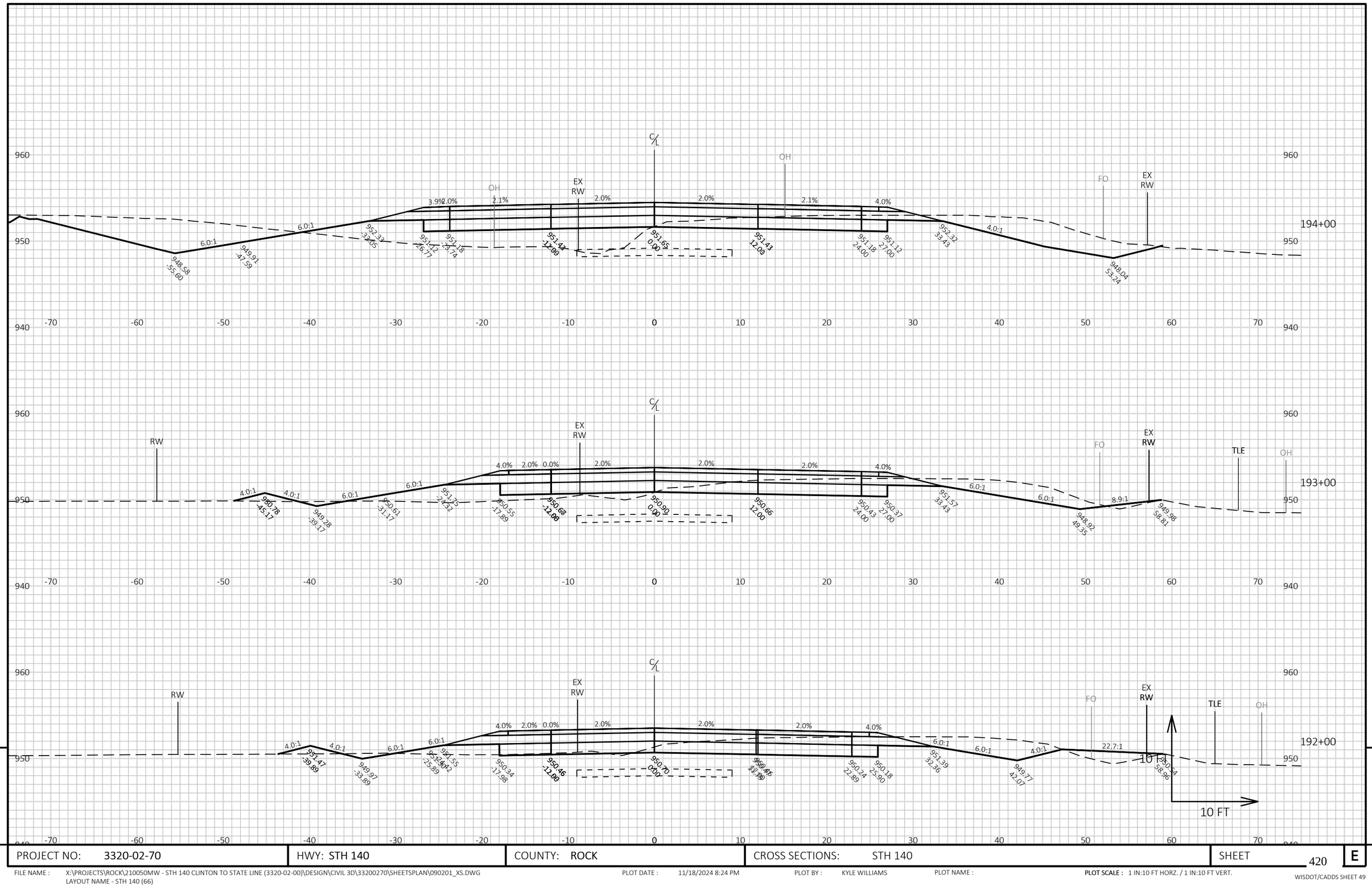
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 419	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (65)

PLOT DATE : 11/18/2024 8:22 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

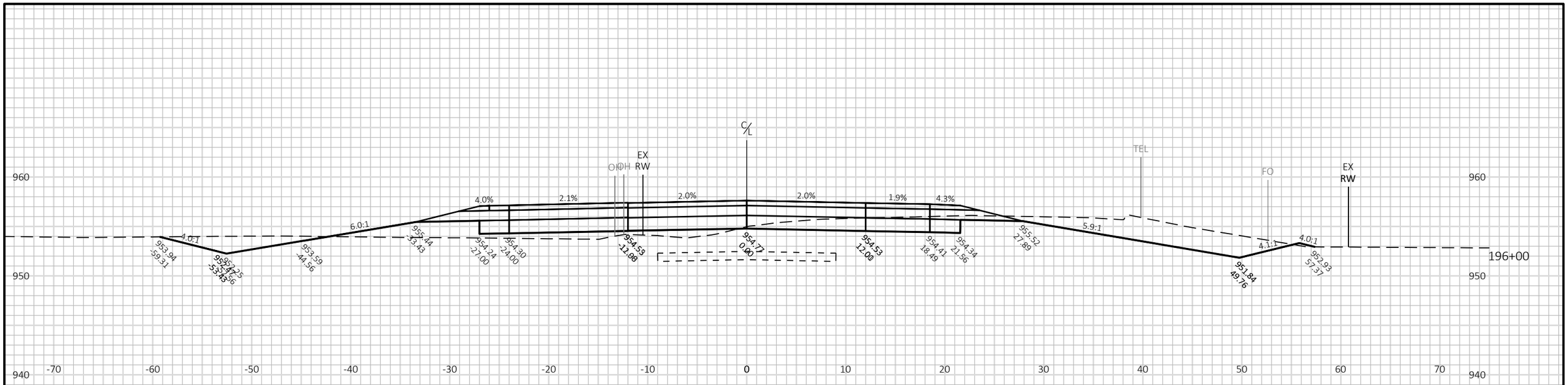


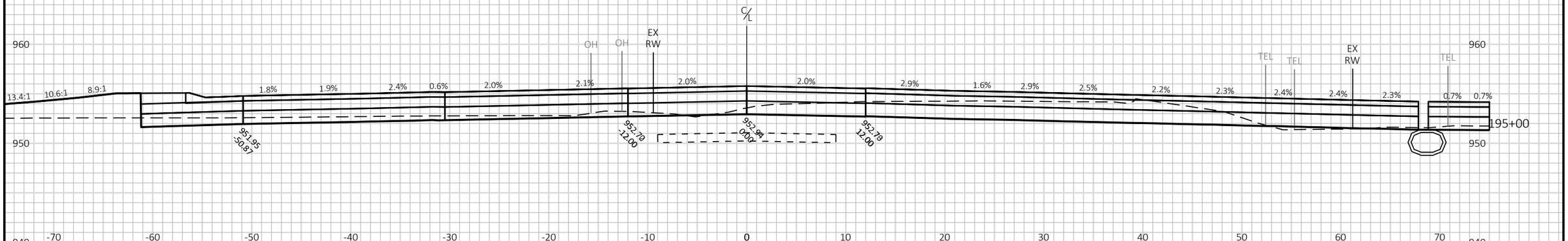
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FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (66)

PLOT DATE : 11/18/2024 8:24 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





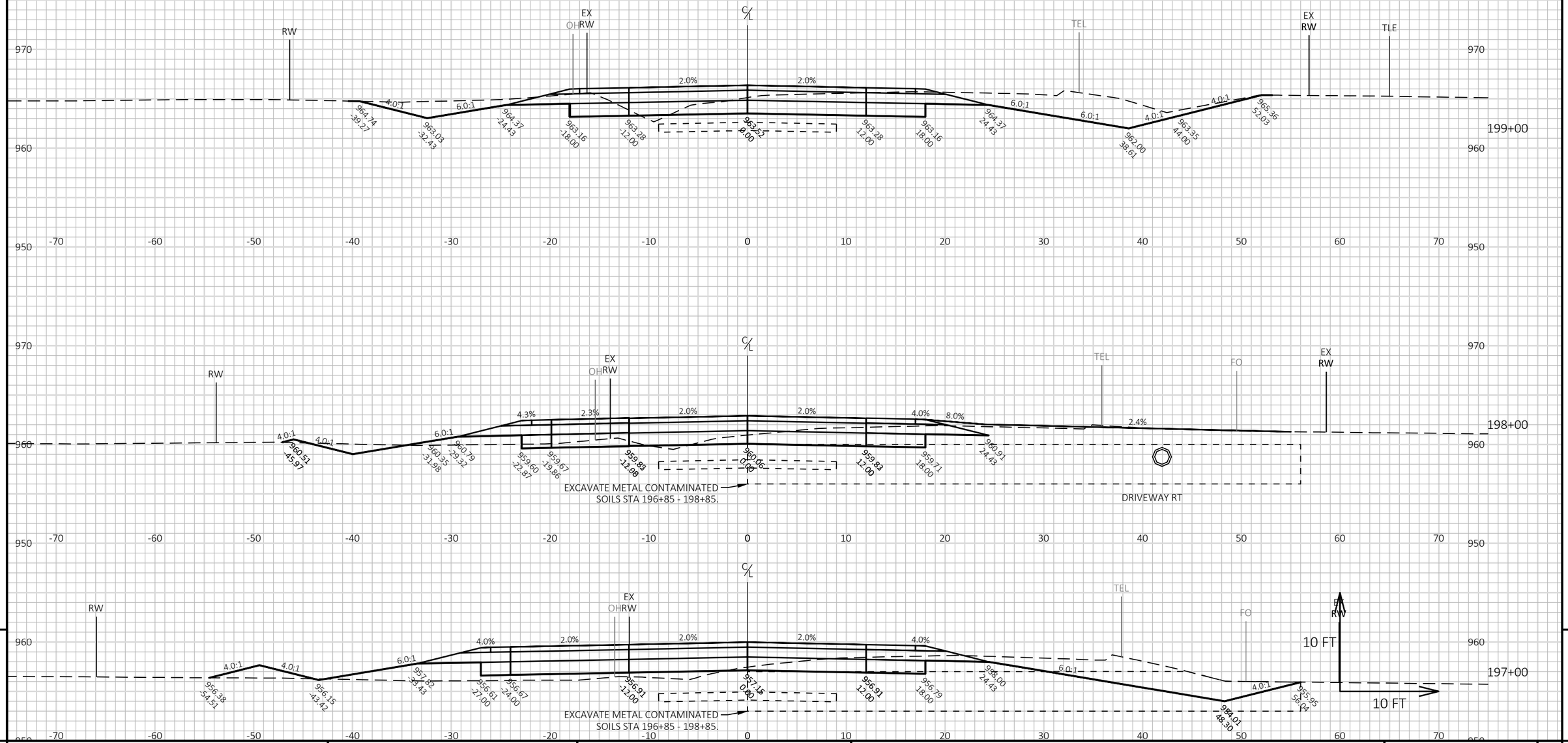
STA 194+04
78 LF CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE SLOPED CROSS DRAINS STEEL 36-INCH 6 TO 1

9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 421	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (67)
PLOT DATE : 11/18/2024 8:26 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

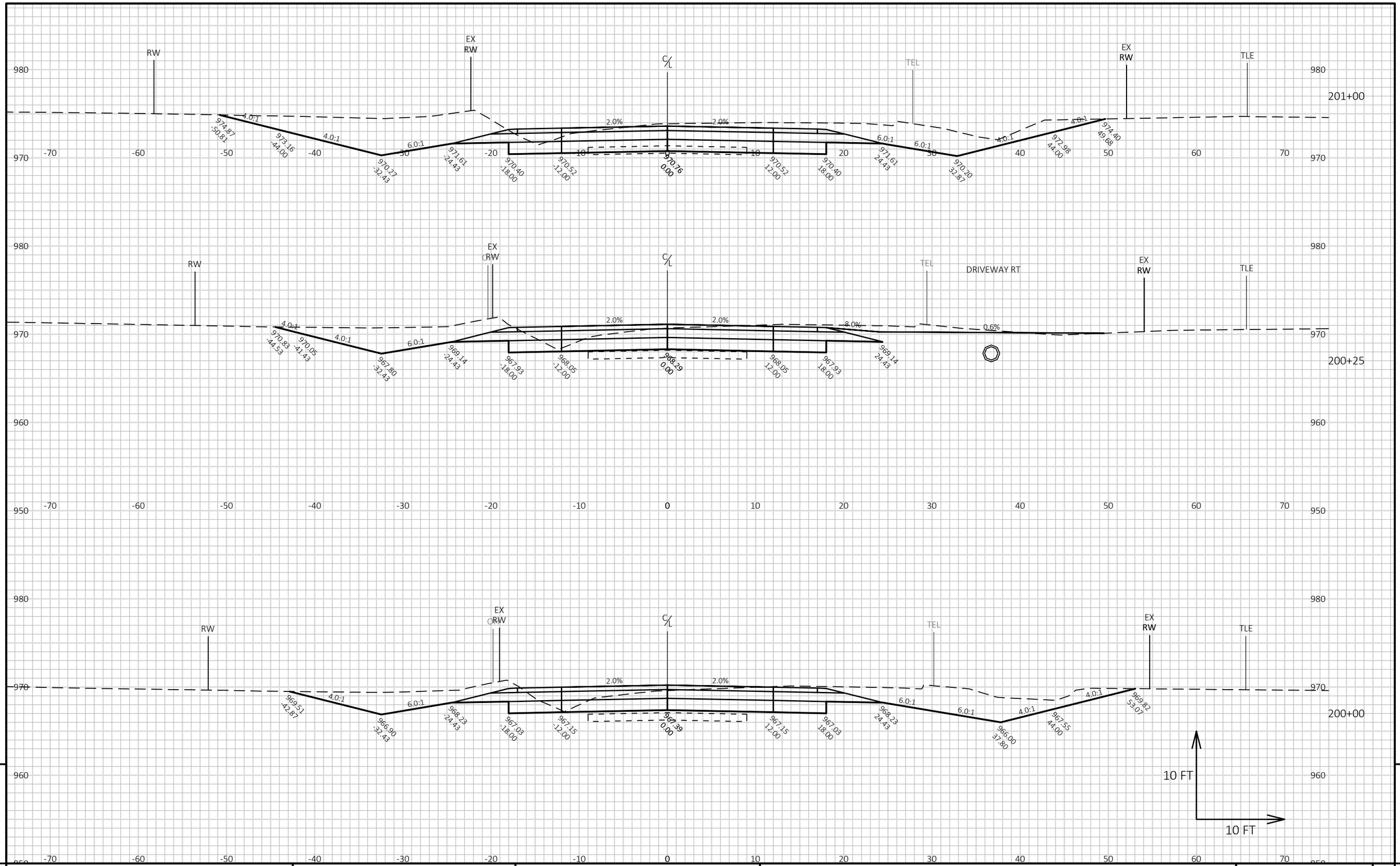


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 422	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (68)

PLOT DATE : 11/18/2024 8:27 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

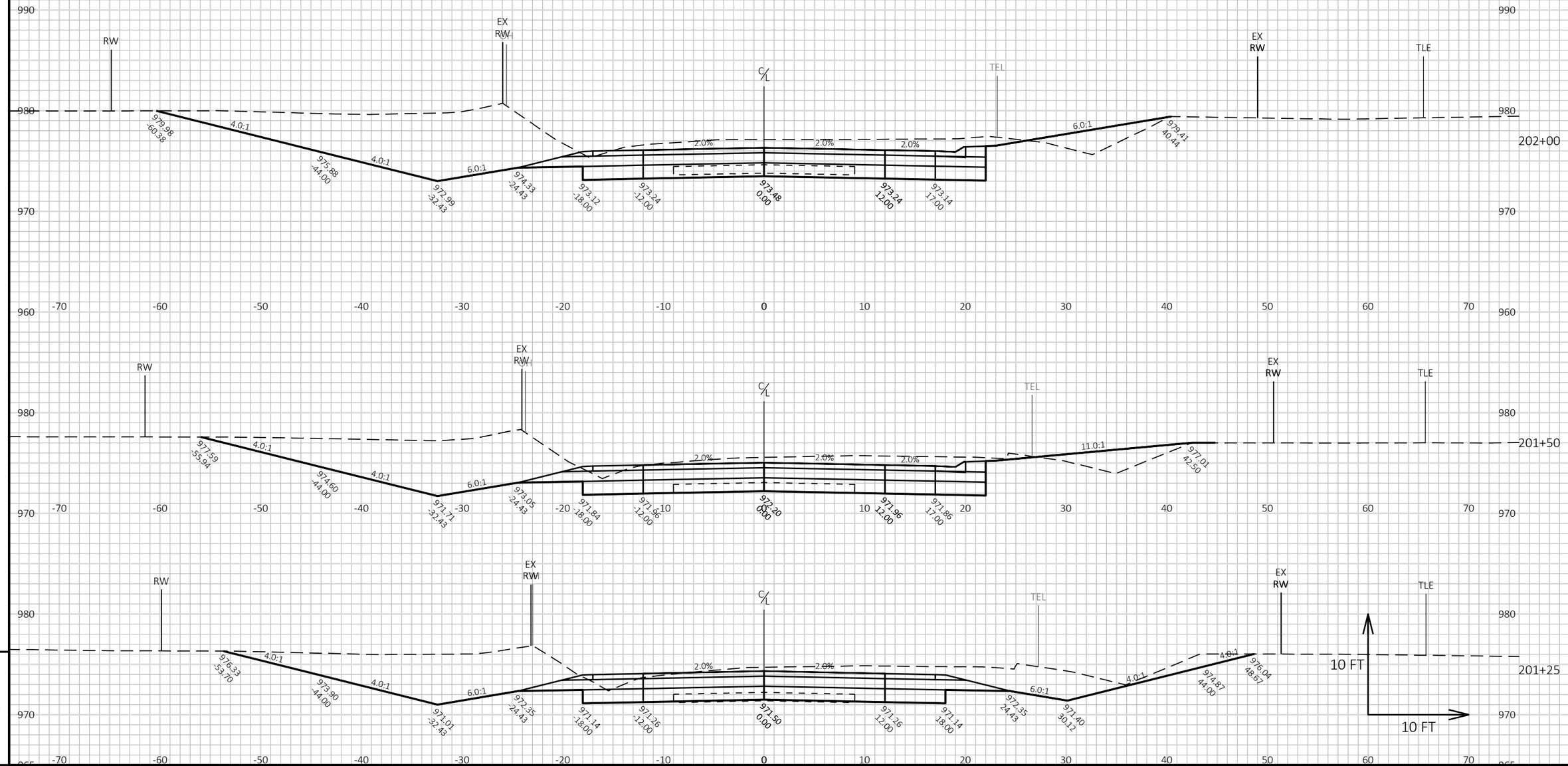
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 423	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (69)

PLOT DATE : 11/18/2024 8:29 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

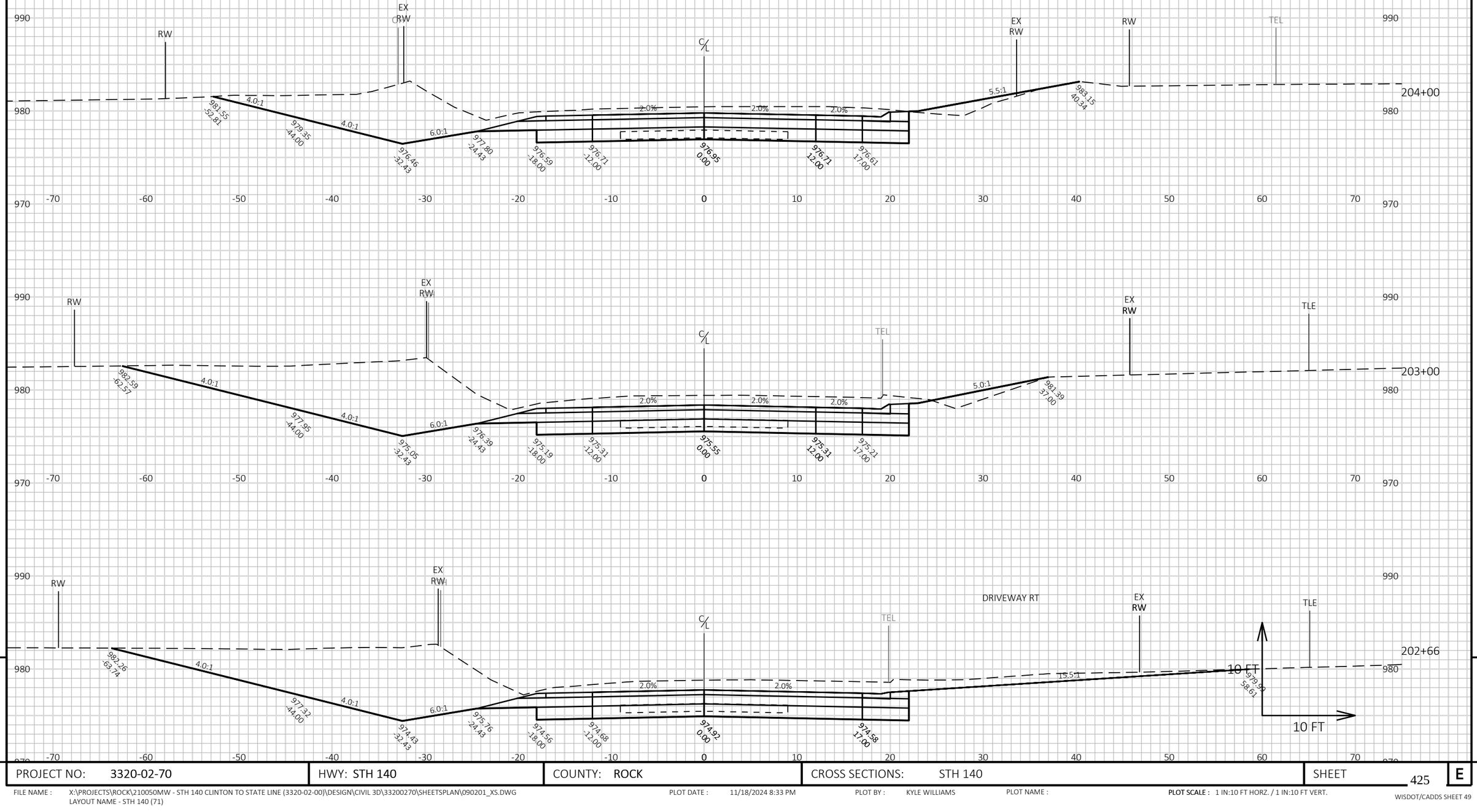


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 424	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (70)

PLOT DATE : 11/18/2024 8:31 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

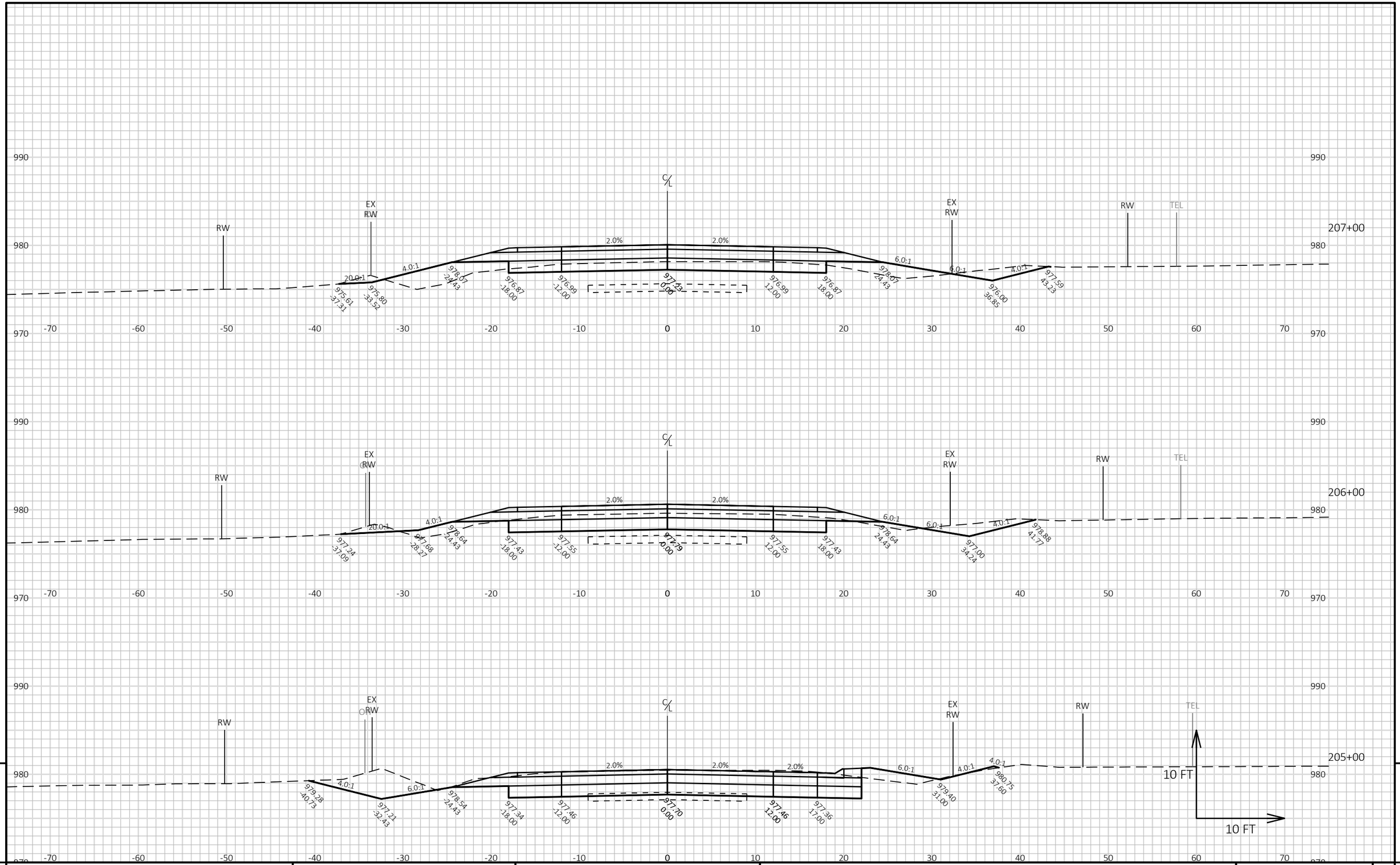
9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 425	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (71)

PLOT DATE : 11/18/2024 8:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



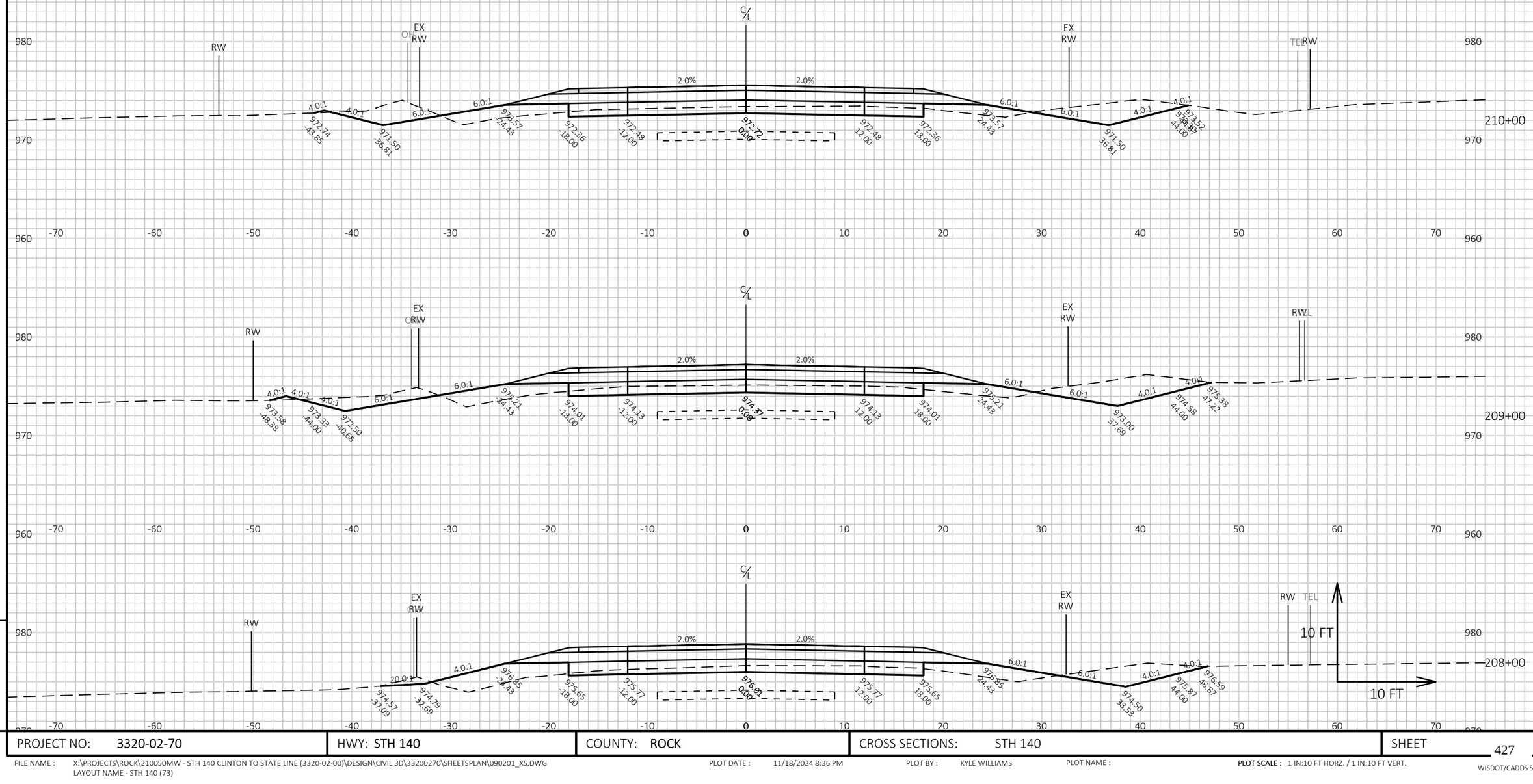
9 9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 426	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (72)

PLOT DATE : 11/18/2024 8:35 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



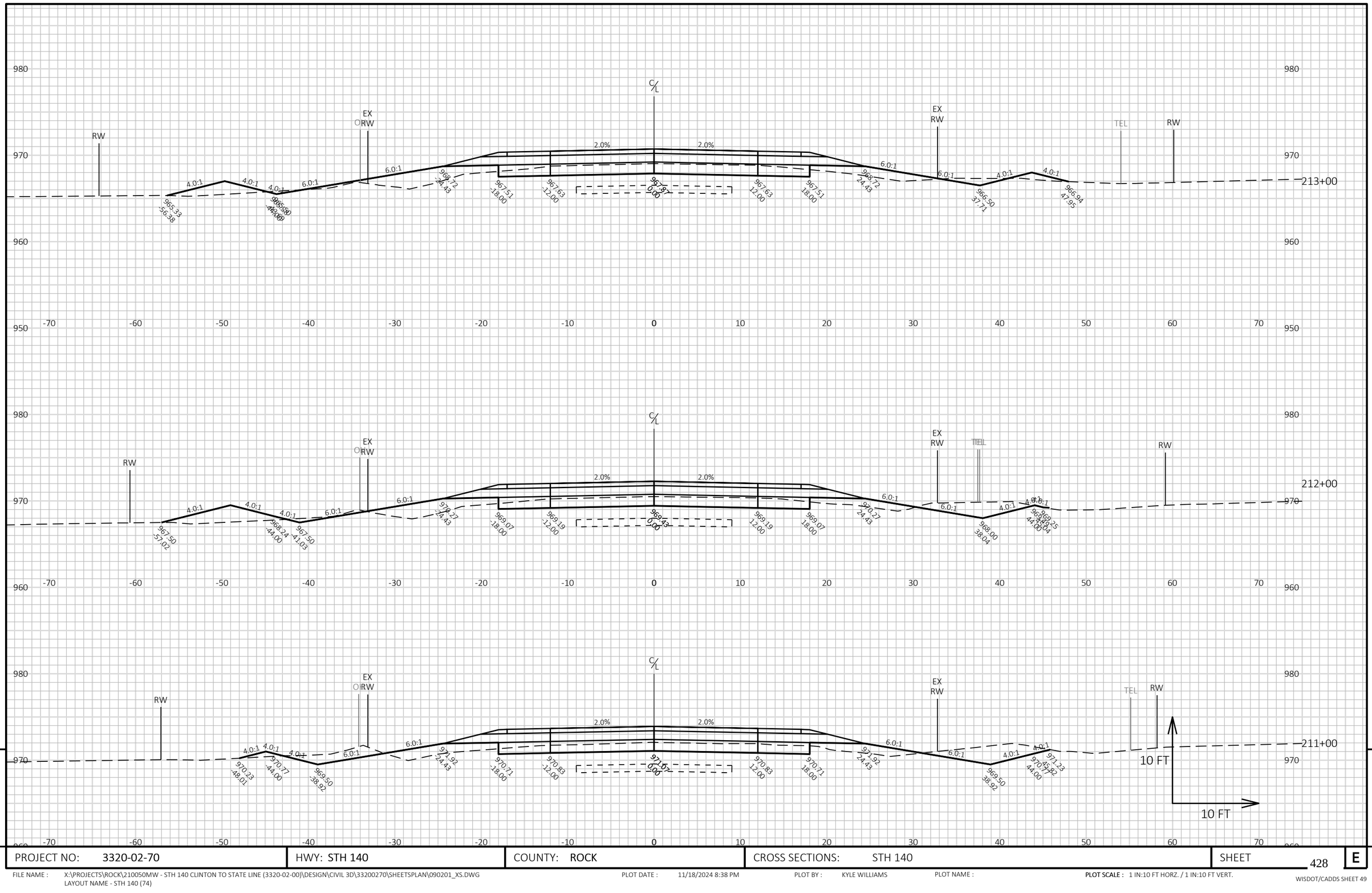
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 427	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (73)

PLOT DATE : 11/18/2024 8:36 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

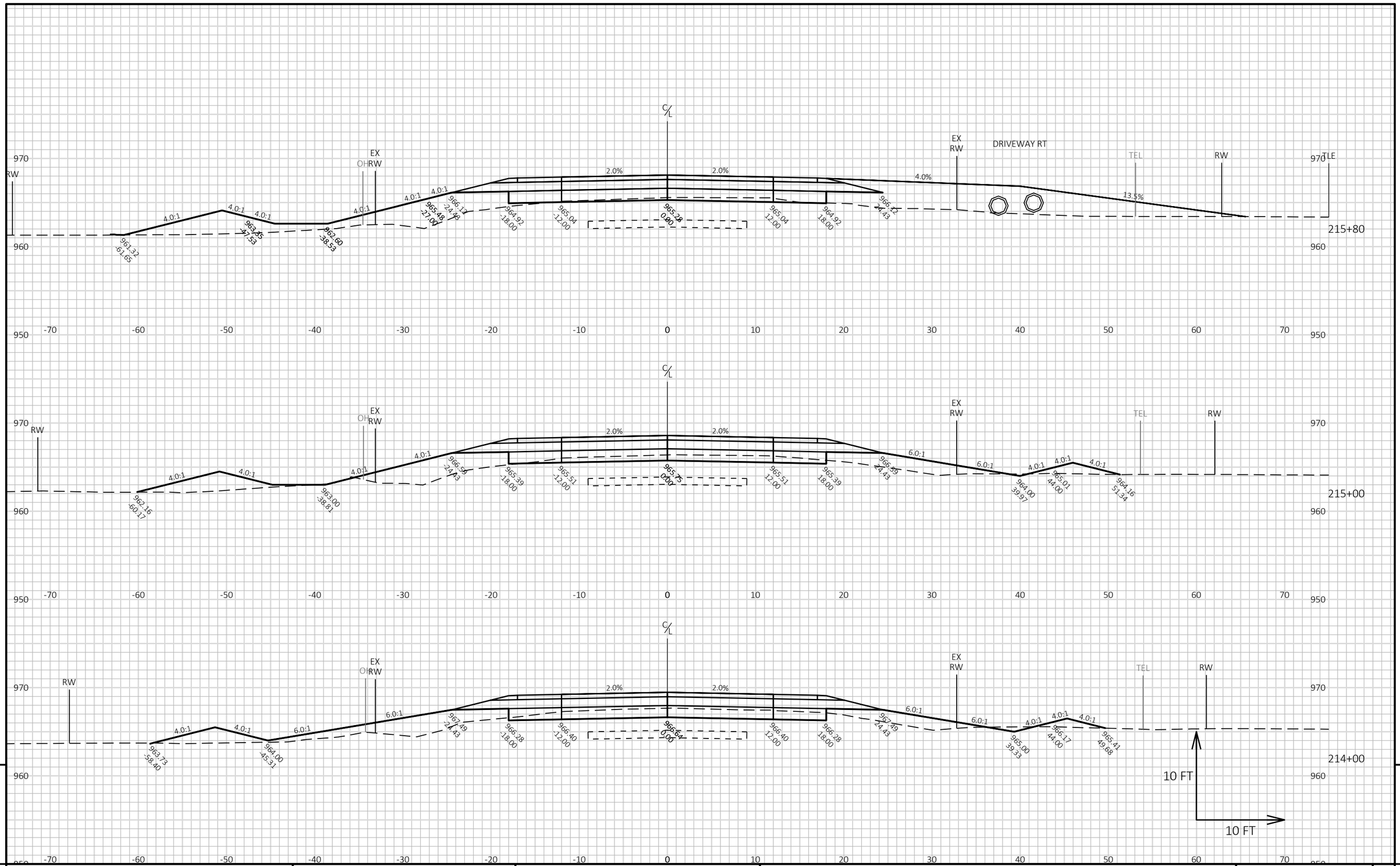


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 428	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (74)

PLOT DATE : 11/18/2024 8:38 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

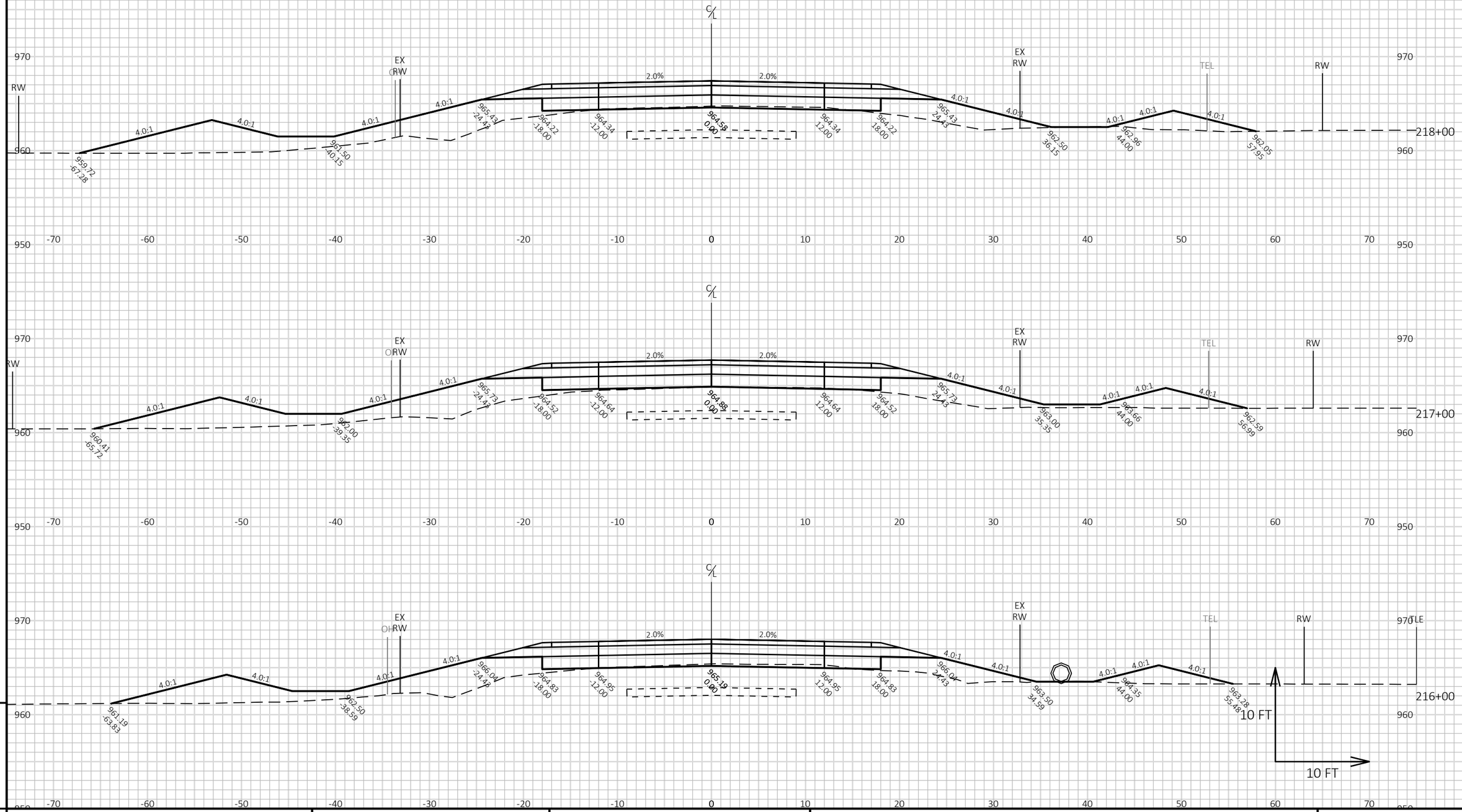
9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 429	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (75)

PLOT DATE : 11/18/2024 8:40 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

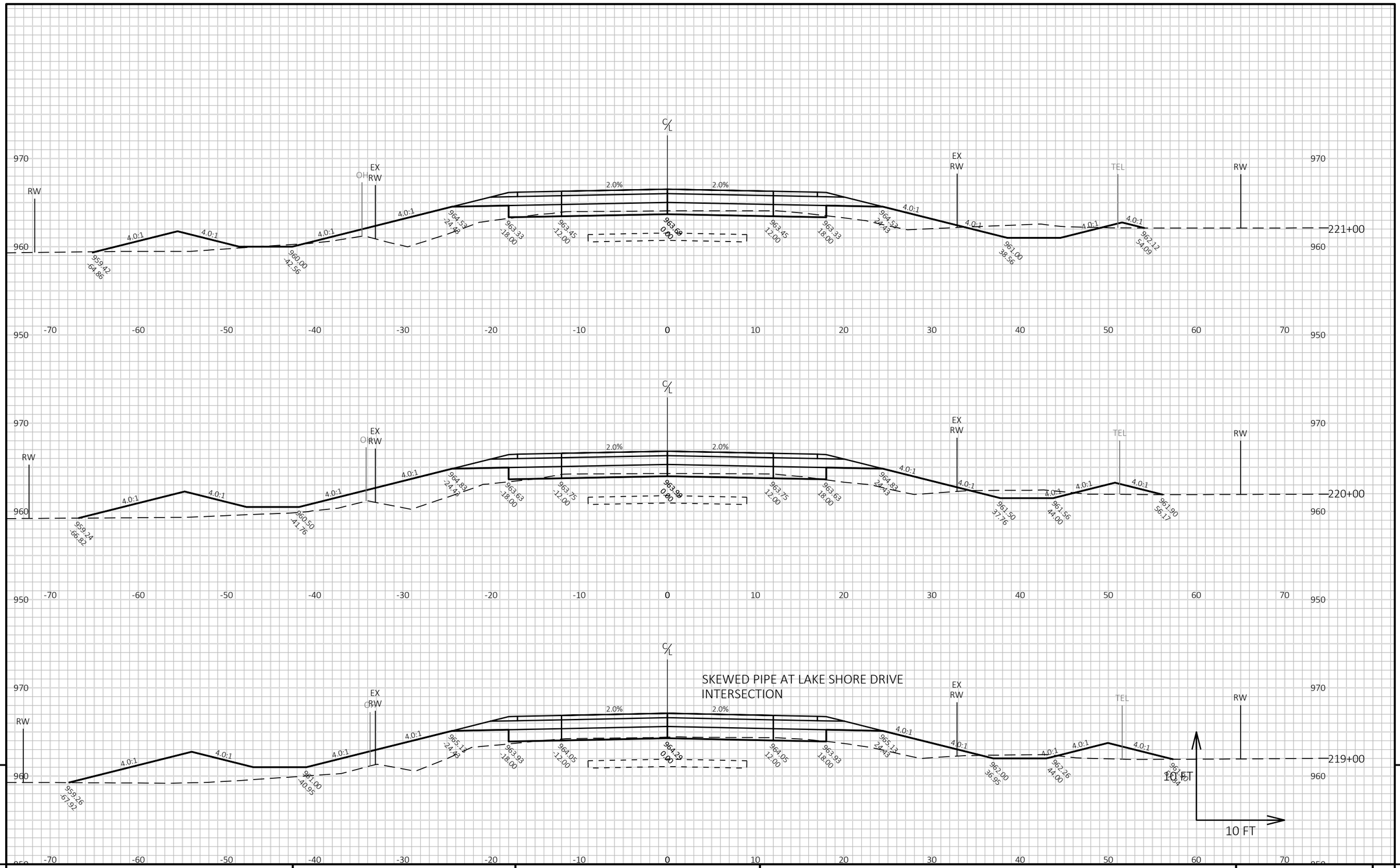
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 430	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (76)

PLOT DATE : 11/18/2024 8:42 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

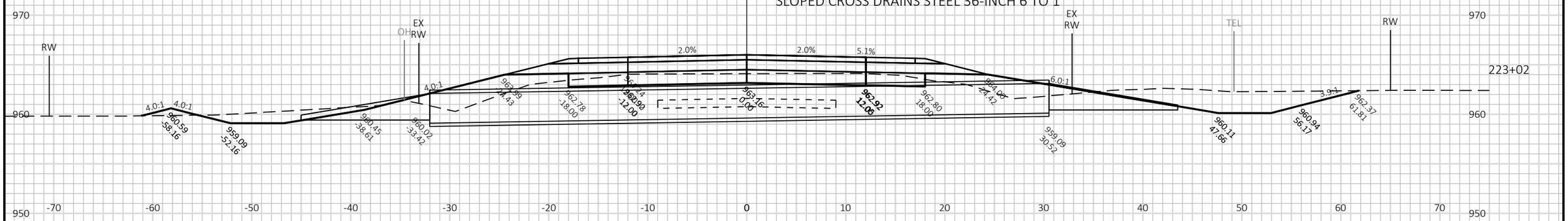
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 431	E

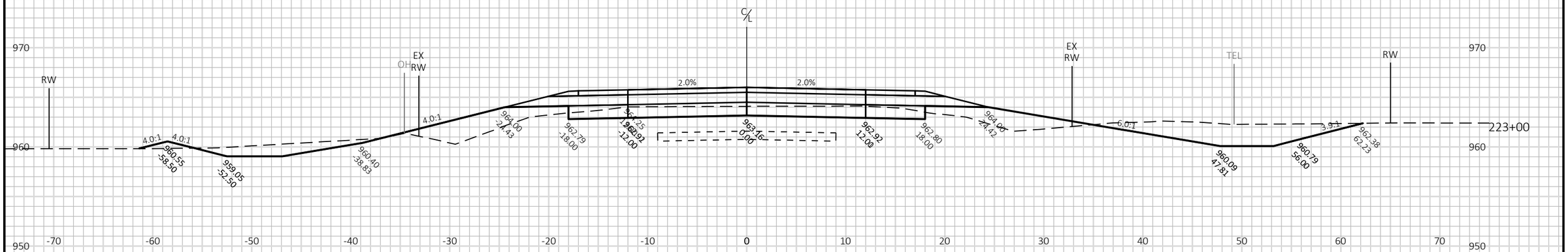
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (77)

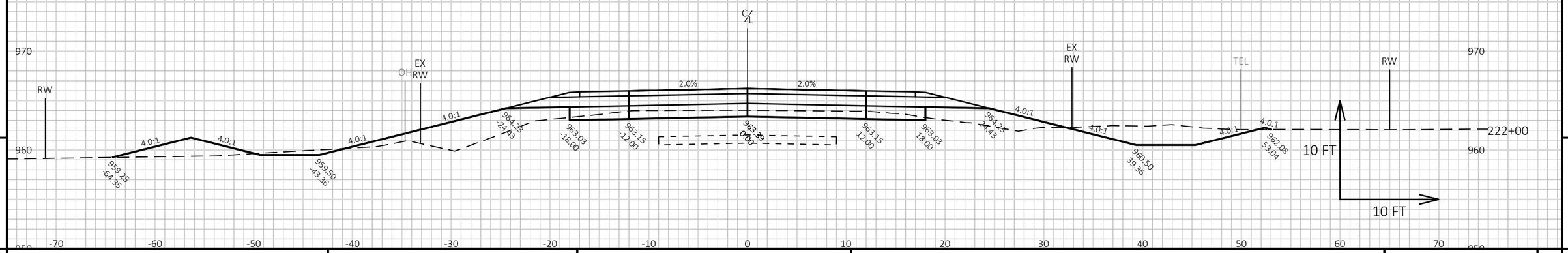
PLOT DATE : 11/18/2024 8:44 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 223+02
64 LF CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH
2 - APRON ENDWALLS CULVERT PIPE REINFORCED CONCRETE
SLOPED CROSS DRAINS STEEL 36-INCH 6 TO 1







9

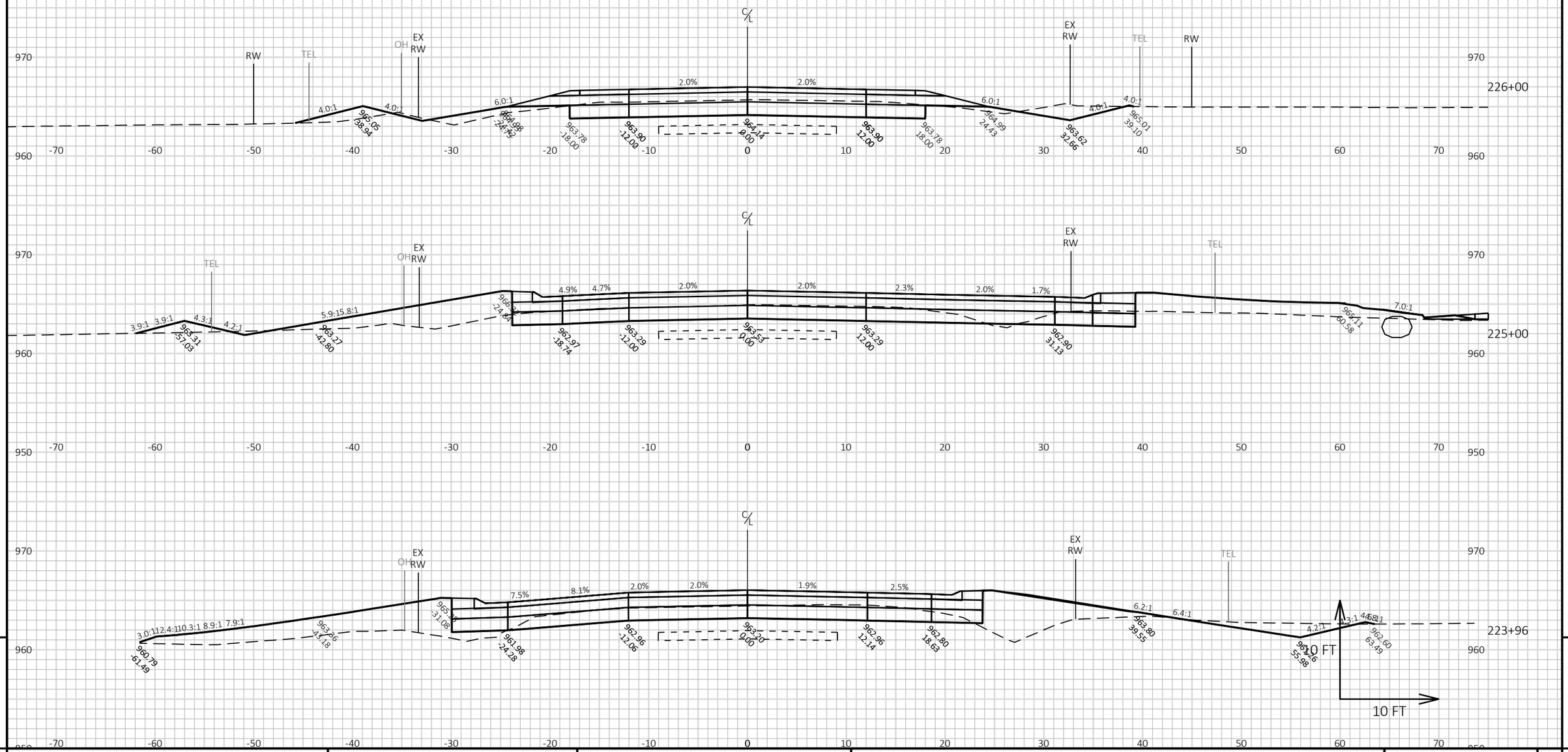
9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 432	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (78)

PLOT DATE : 11/18/2024 8:45 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

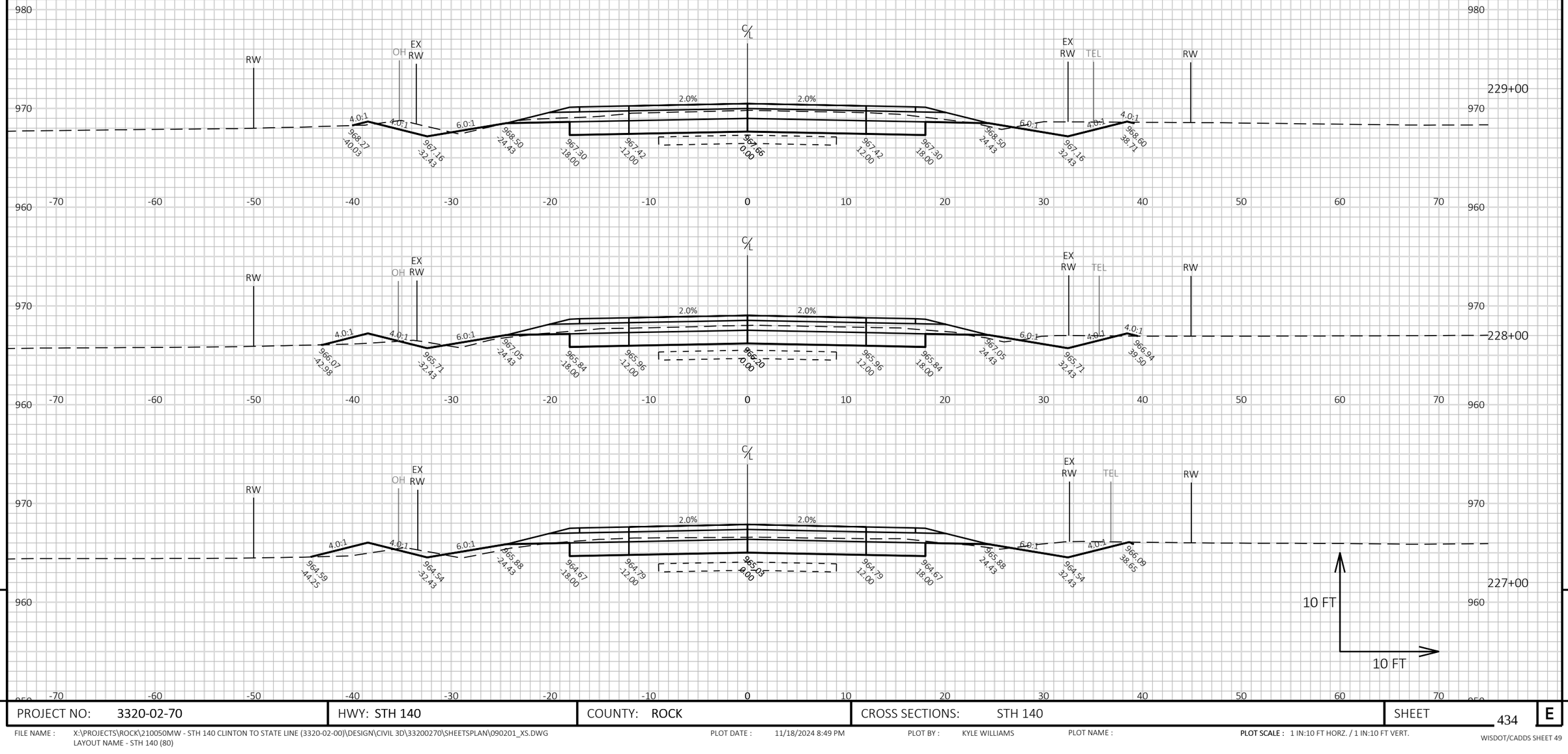


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 433	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (79)

PLOT DATE : 11/18/2024 8:47 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

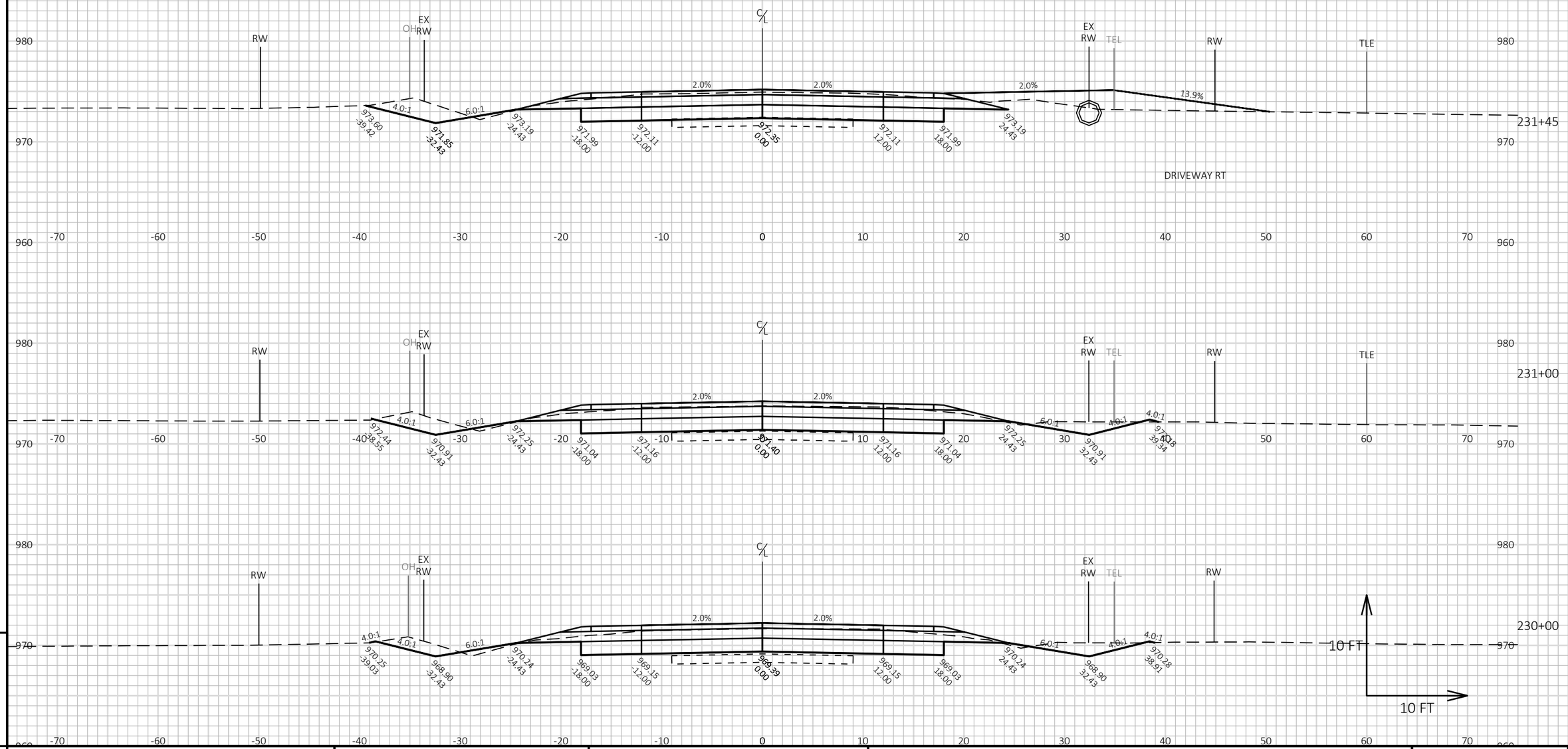
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 434	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (80)

PLOT DATE : 11/18/2024 8:49 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

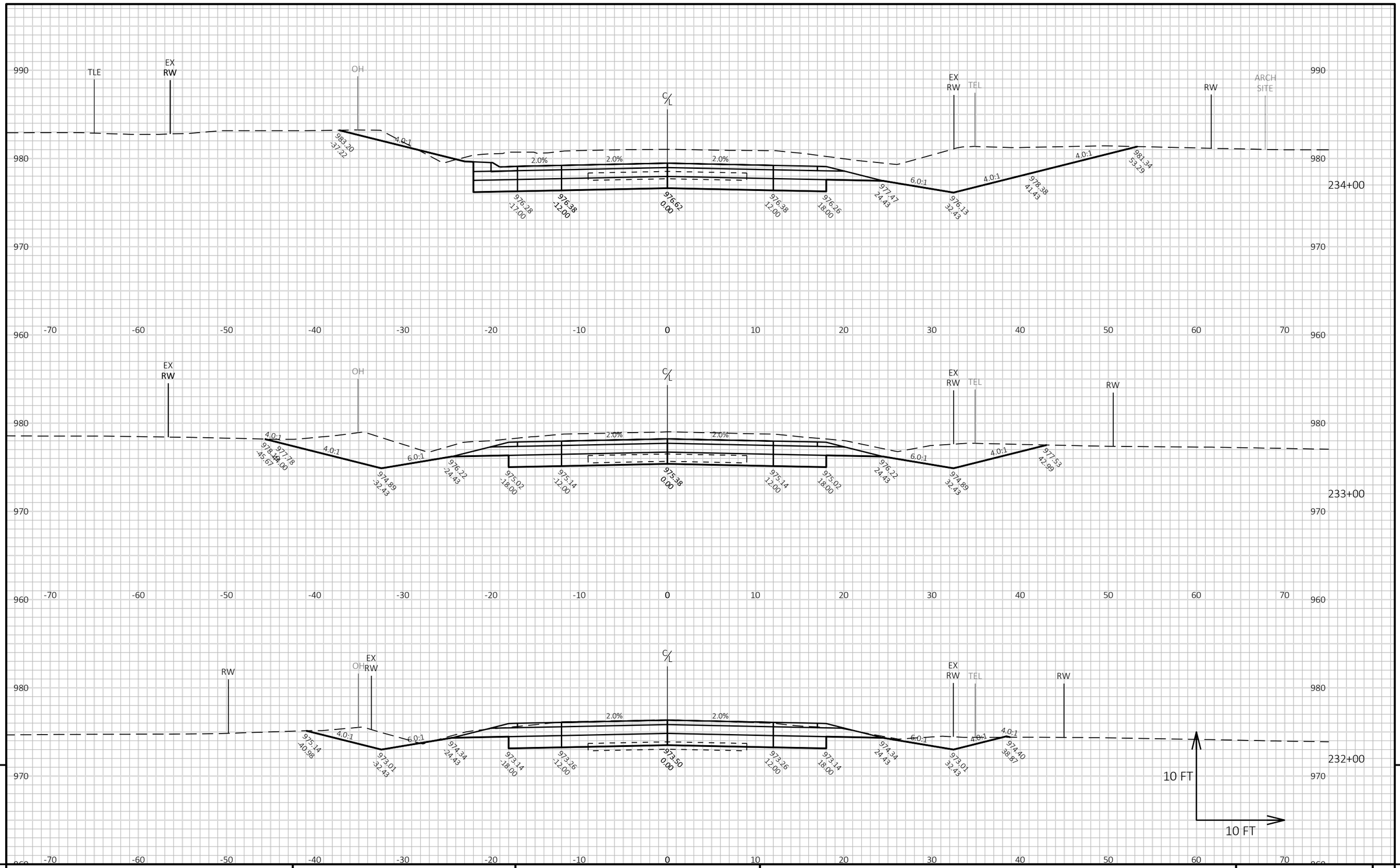
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 435	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (81)

PLOT DATE : 11/18/2024 8:51 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

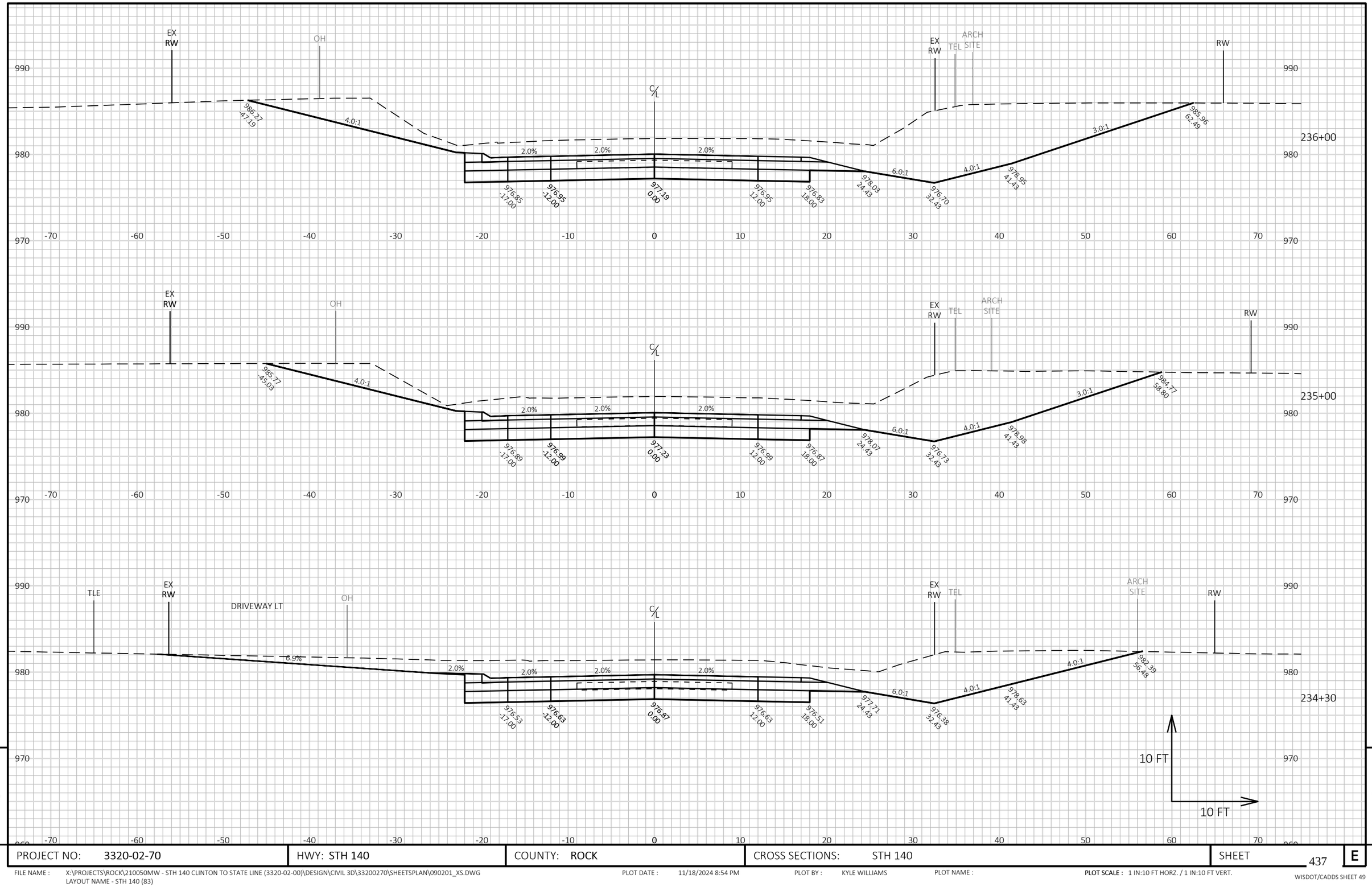
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 436	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (82)

PLOT DATE : 11/18/2024 8:52 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

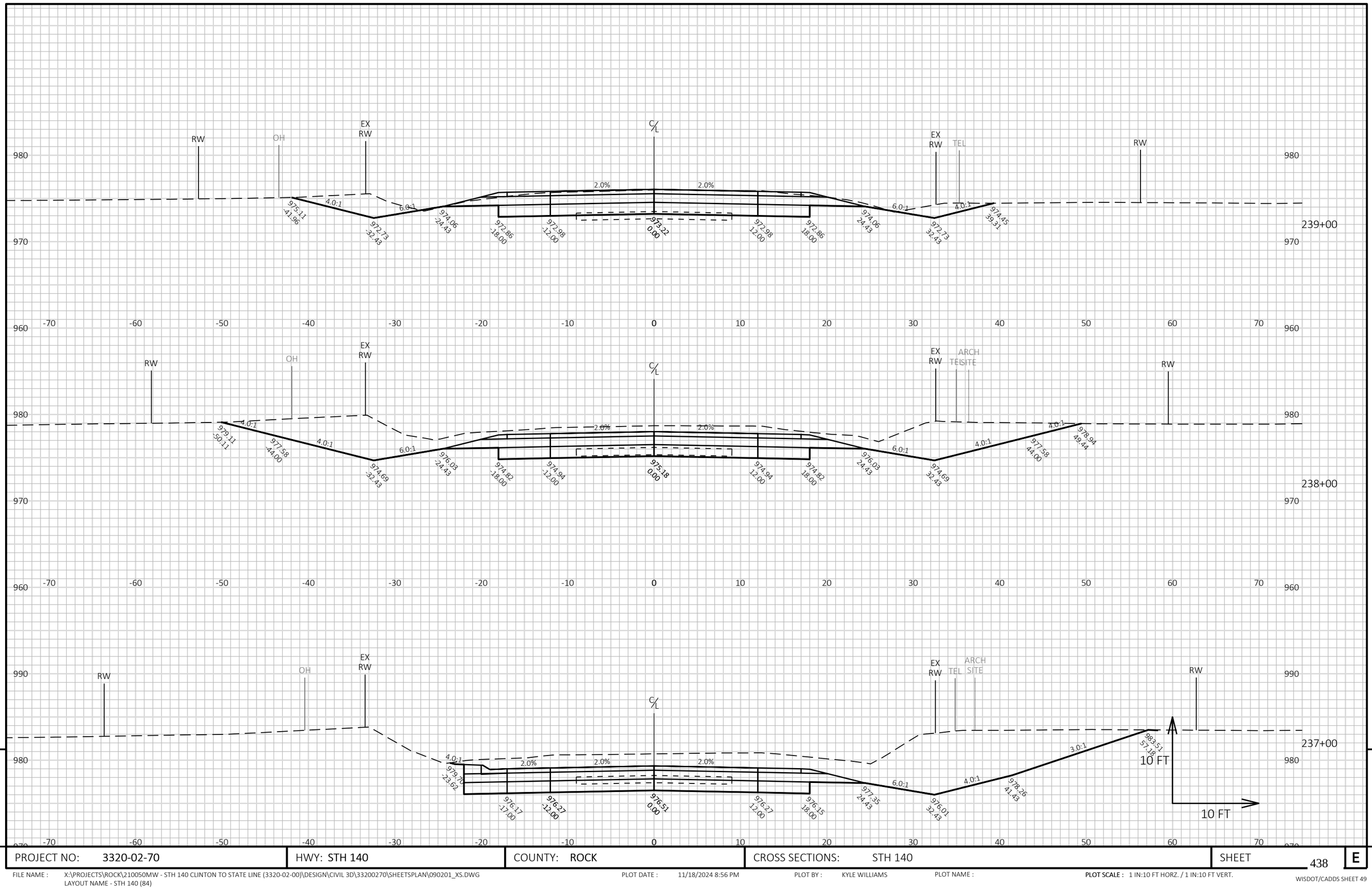


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 437	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (83)

PLOT DATE : 11/18/2024 8:54 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

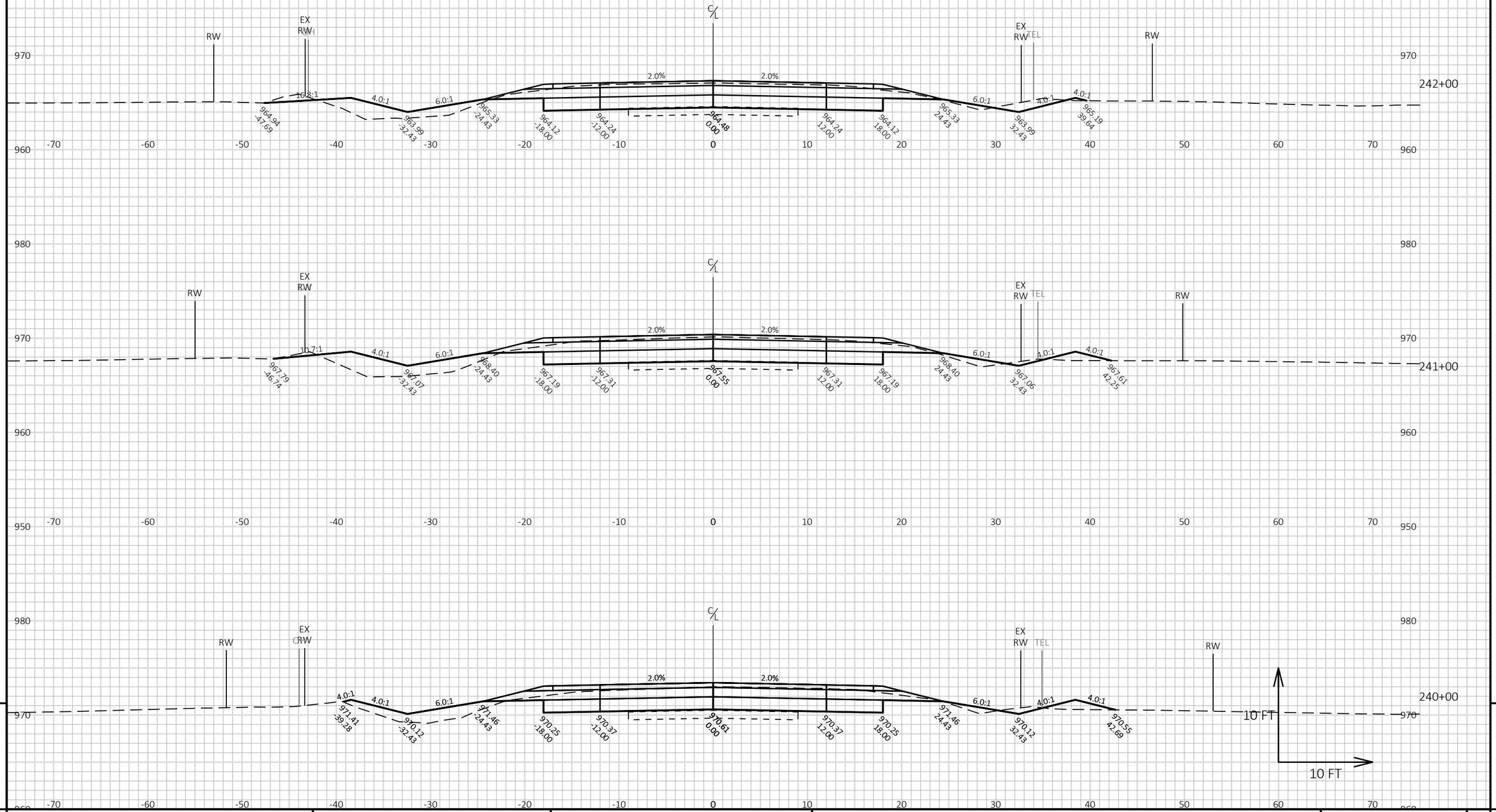
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 438	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (84)

PLOT DATE : 11/18/2024 8:56 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

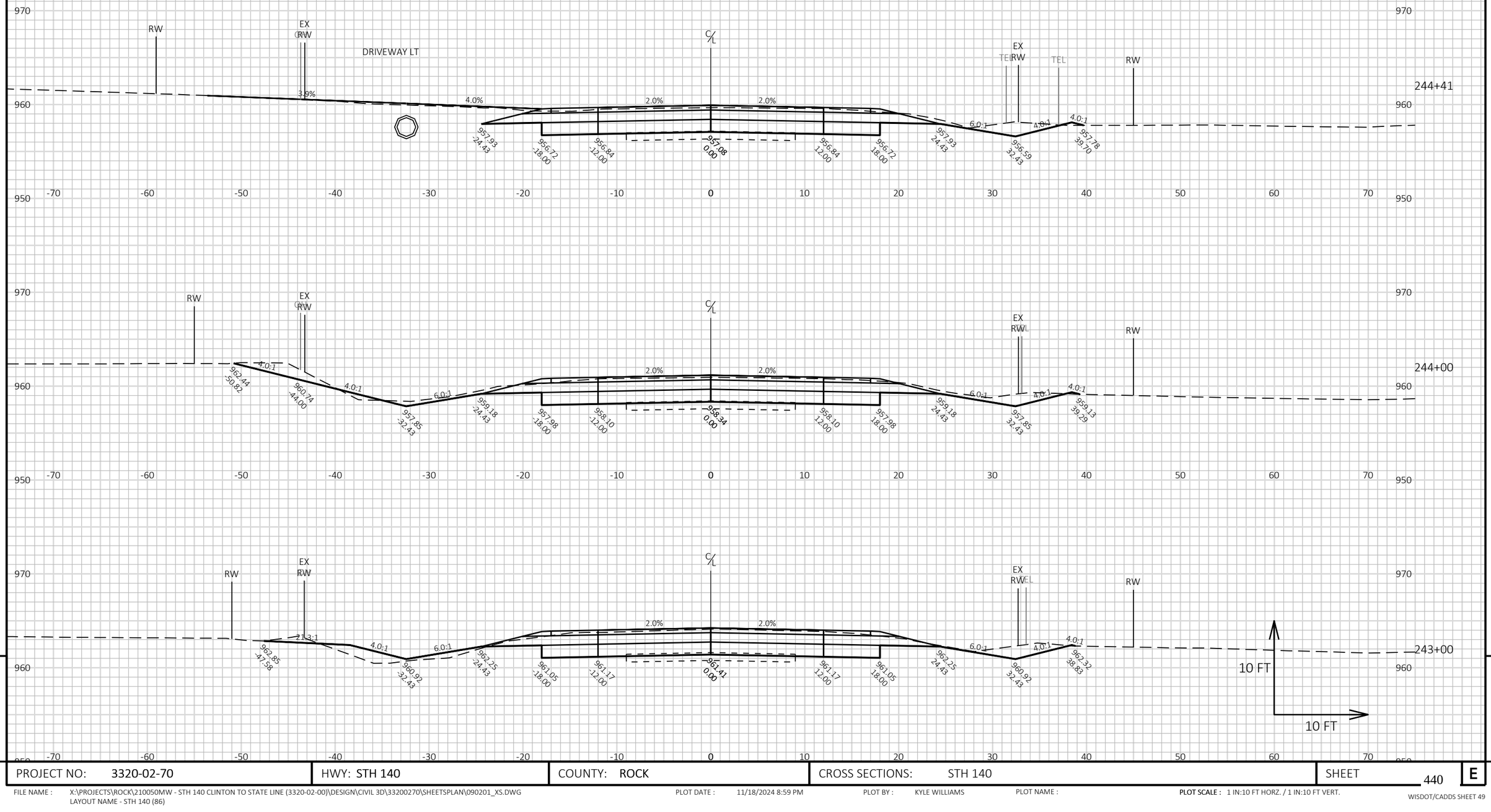
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 439	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (85)

PLOT DATE : 11/18/2024 8:58 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

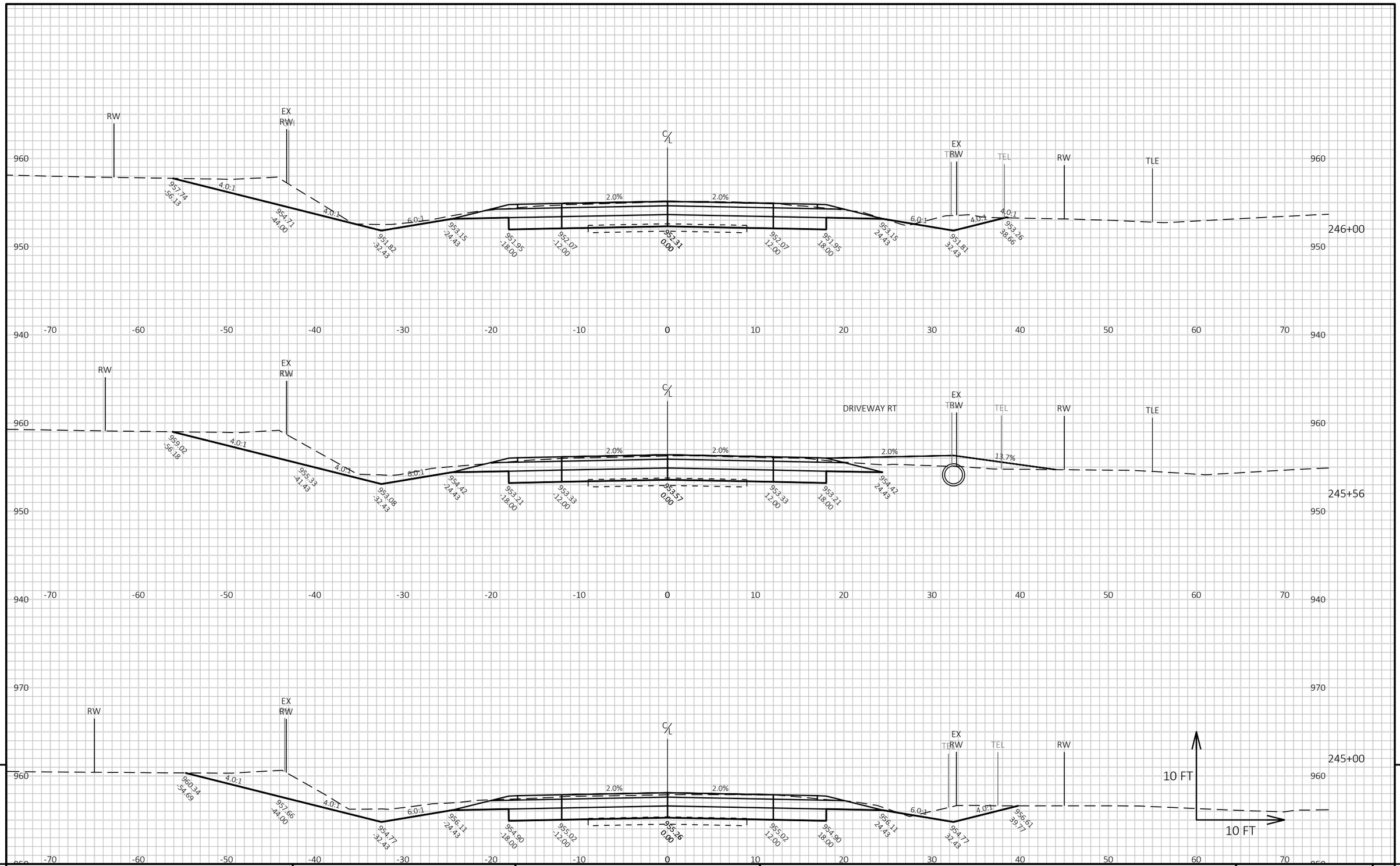
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 440	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (86)

PLOT DATE : 11/18/2024 8:59 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



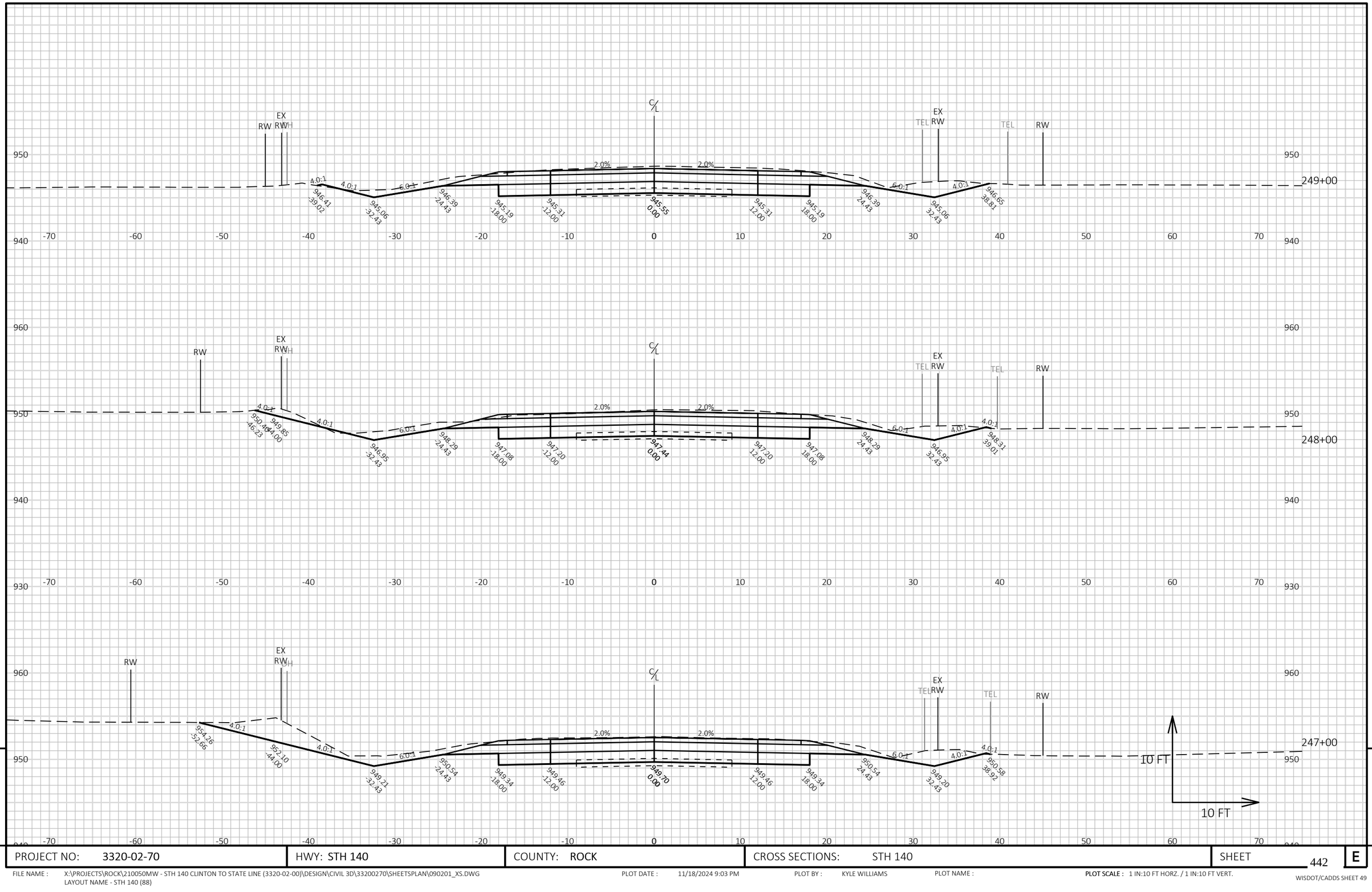
9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 441	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (87)

PLOT DATE : 11/18/2024 9:01 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

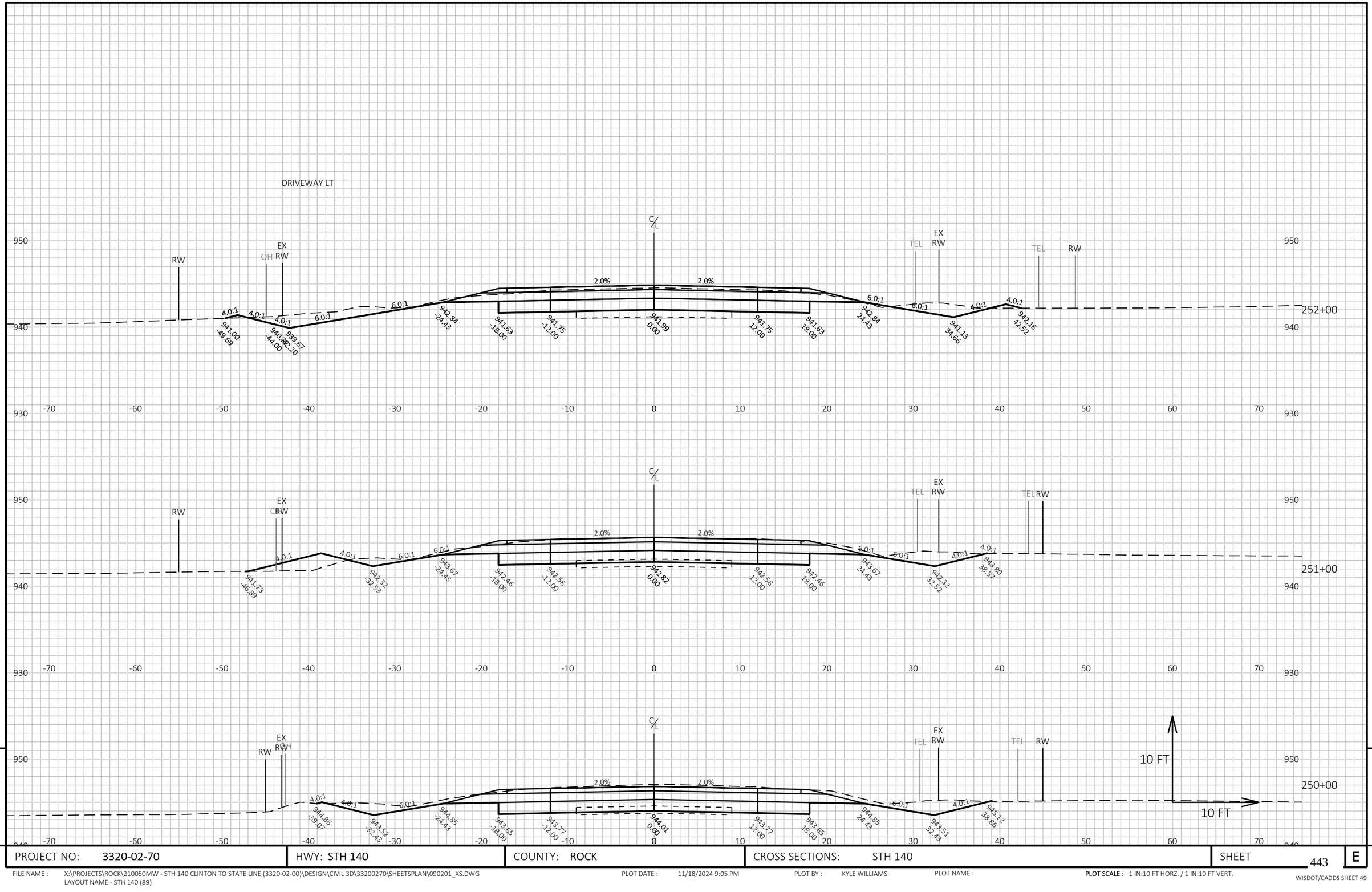


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 442	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (88)

PLOT DATE : 11/18/2024 9:03 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

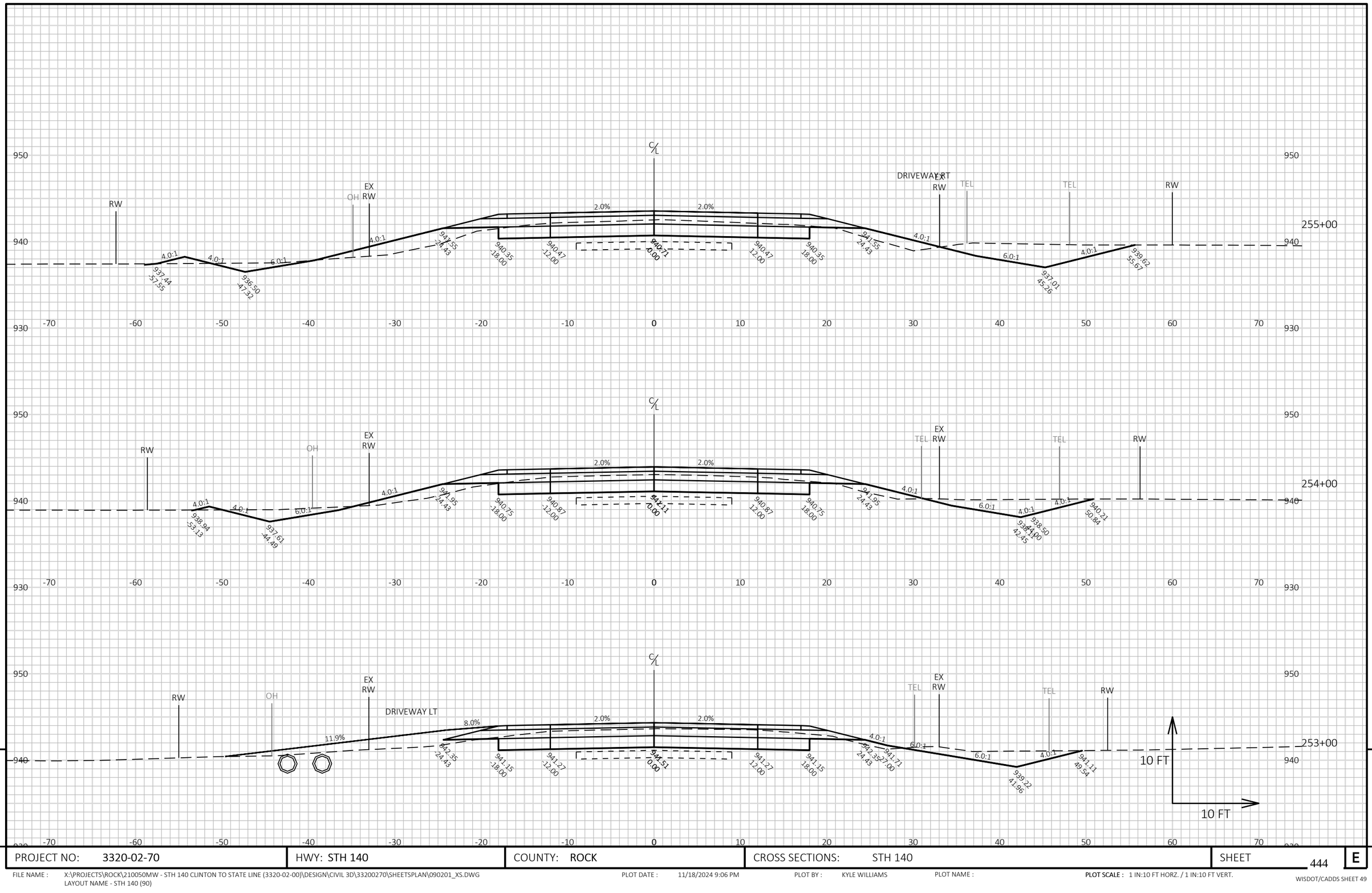


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 443	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (89)

PLOT DATE : 11/18/2024 9:05 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

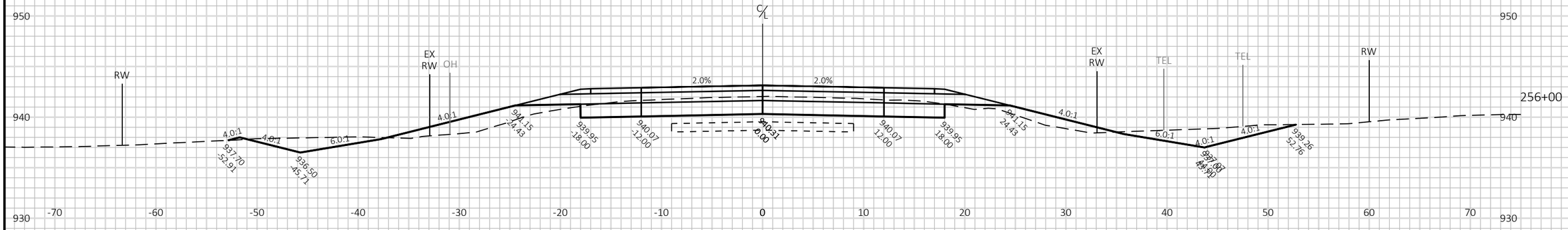


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 444	E

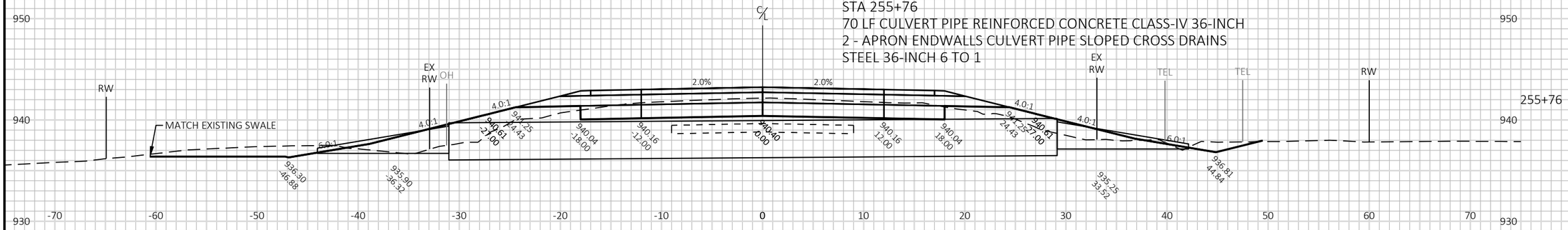
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (90)

PLOT DATE : 11/18/2024 9:06 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

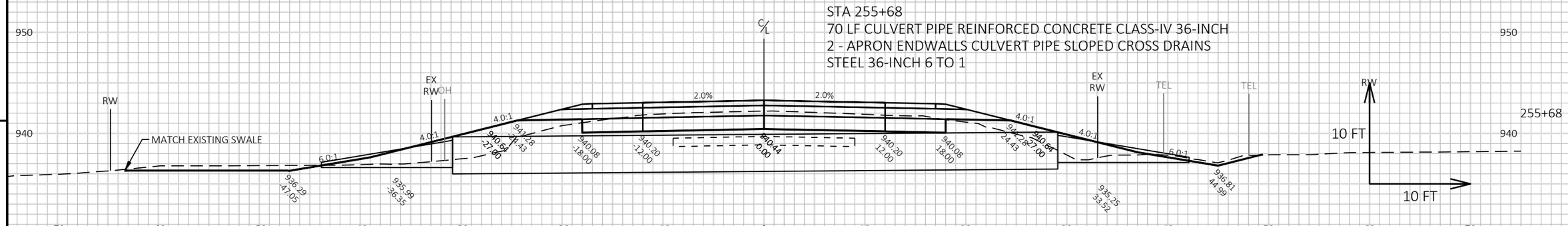
WISDOT/CADDS SHEET 49



STA 255+76
70 LF CULVERT PIPE REINFORCED CONCRETE CLASS-IV 36-INCH
2 - APRON ENDWALLS CULVERT PIPE SLOPED CROSS DRAINS
STEEL 36-INCH 6 TO 1



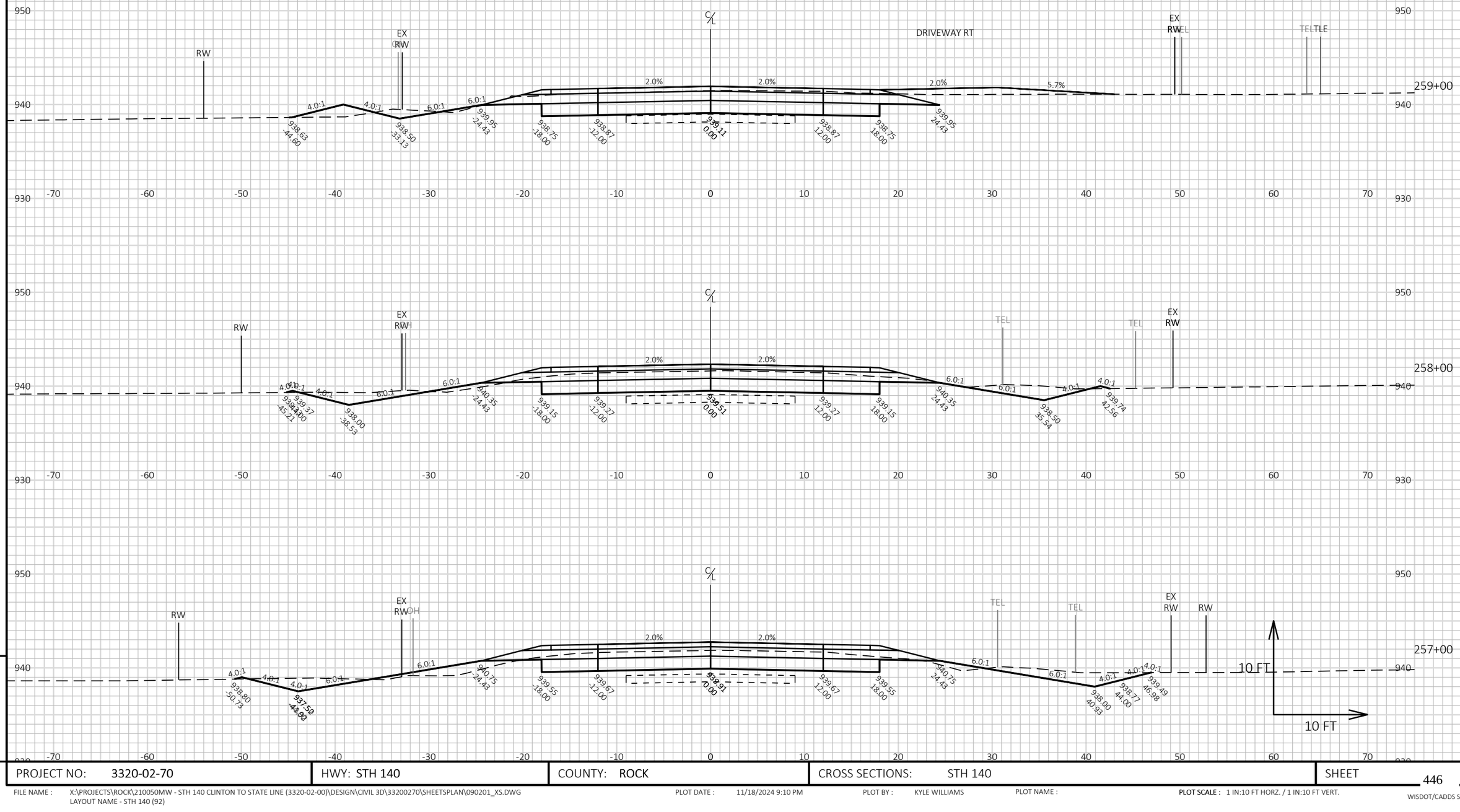
STA 255+68
70 LF CULVERT PIPE REINFORCED CONCRETE CLASS-IV 36-INCH
2 - APRON ENDWALLS CULVERT PIPE SLOPED CROSS DRAINS
STEEL 36-INCH 6 TO 1



9 9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 445	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (91)
PLOT DATE : 11/18/2024 9:08 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



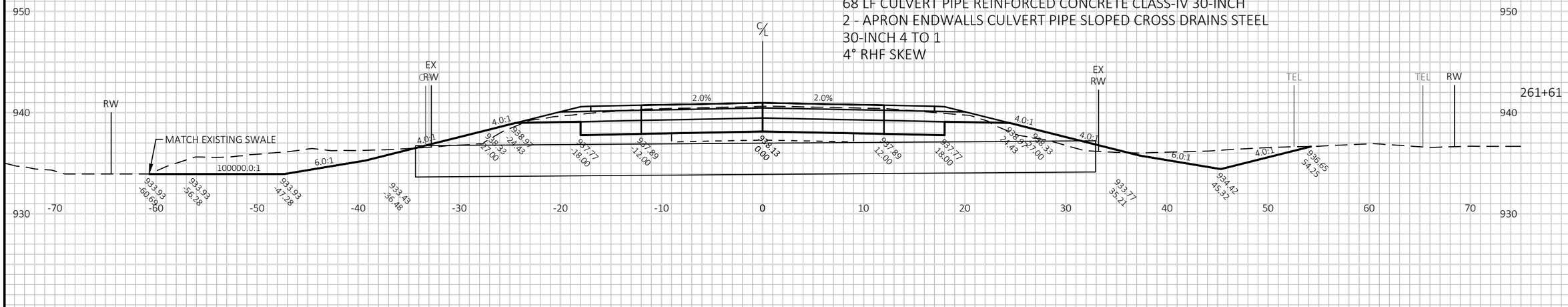
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 446	E

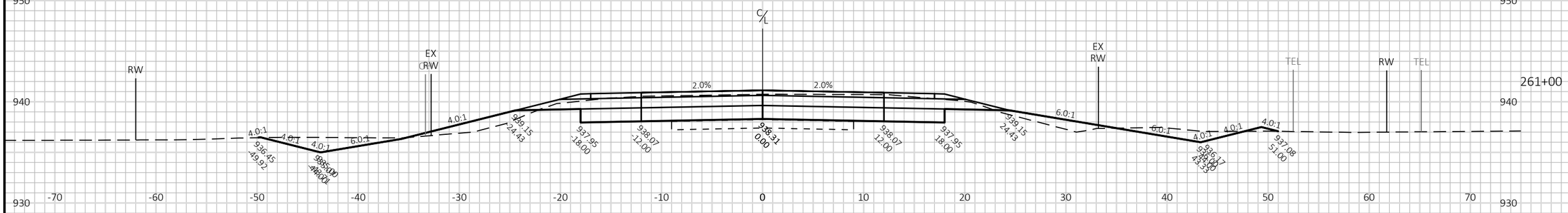
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (92)

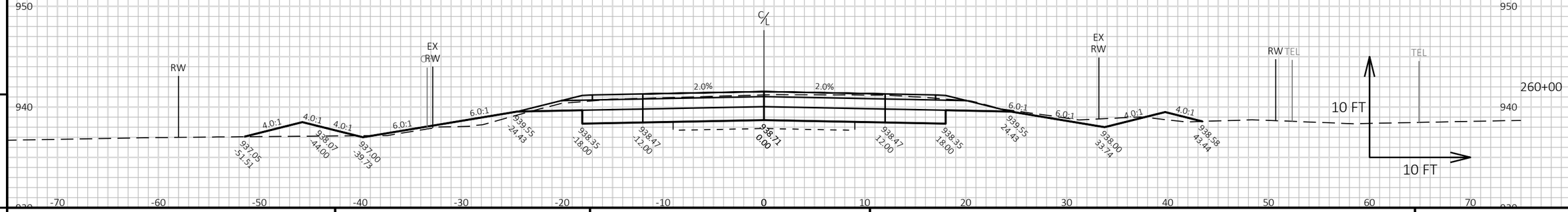
PLOT DATE : 11/18/2024 9:10 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 261+61
68 LF CULVERT PIPE REINFORCED CONCRETE CLASS-IV 30-INCH
2 - APRON ENDWALLS CULVERT PIPE SLOPED CROSS DRAINS STEEL
30-INCH 4 TO 1
4° RHF SKEW







9

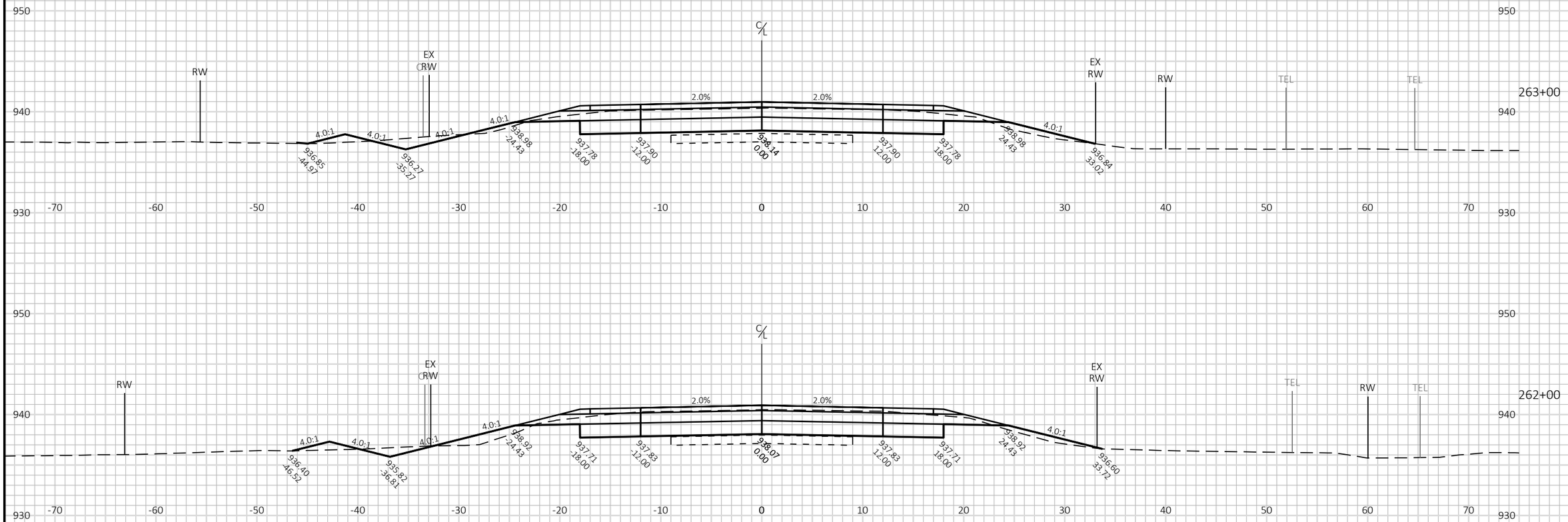
9

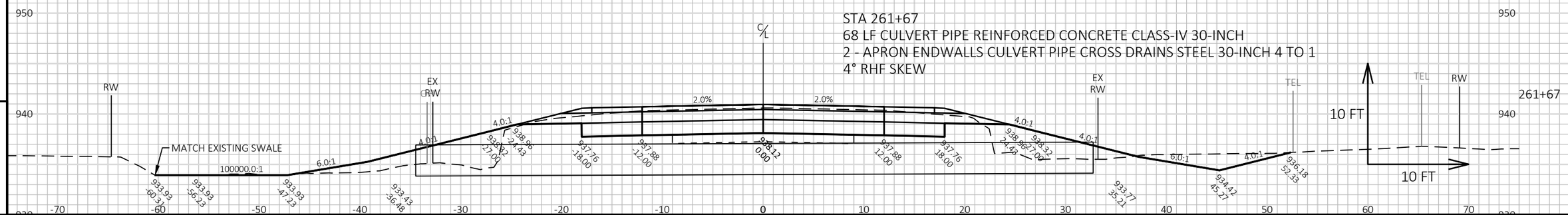
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 447	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (93)

PLOT DATE : 11/19/2024 2:46 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



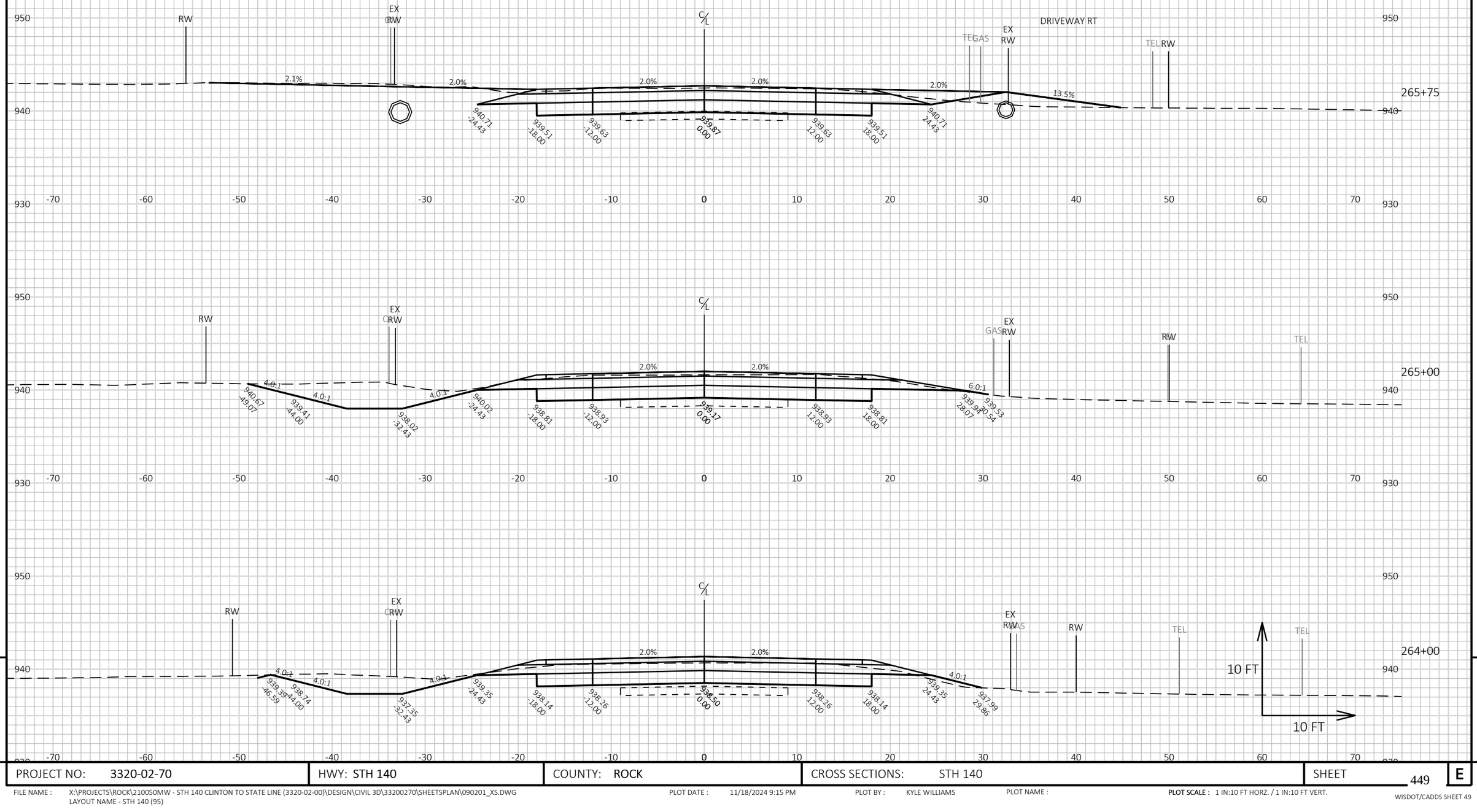


STA 261+67
68 LF CULVERT PIPE REINFORCED CONCRETE CLASS-IV 30-INCH
2 - APRON ENDWALLS CULVERT PIPE CROSS DRAINS STEEL 30-INCH 4 TO 1
4° RHF SKEW

9 9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 448	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (94)
PLOT DATE : 11/19/2024 2:48 PM
PLOT BY : KYLE WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

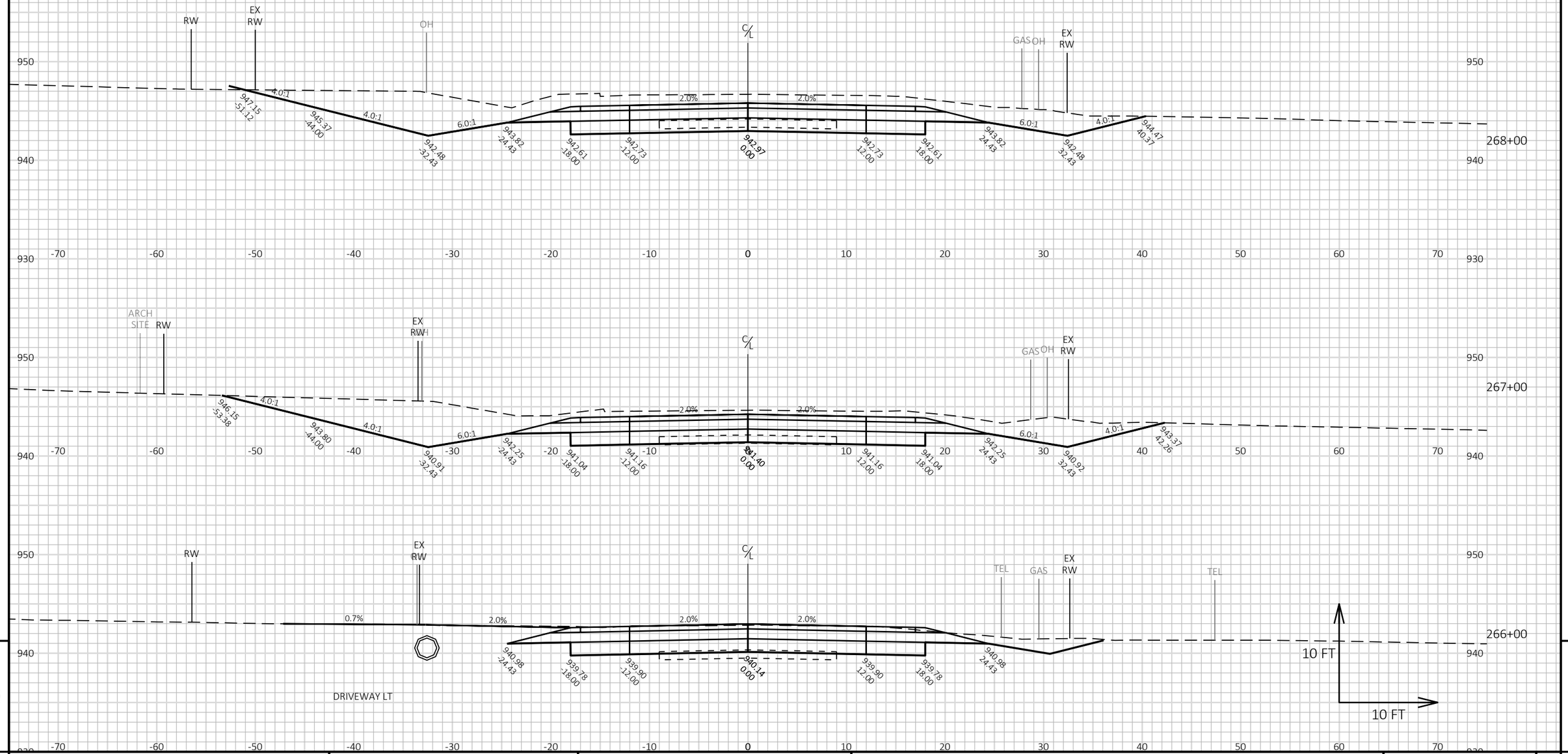
9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 449	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (95)

PLOT DATE : 11/18/2024 9:15 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

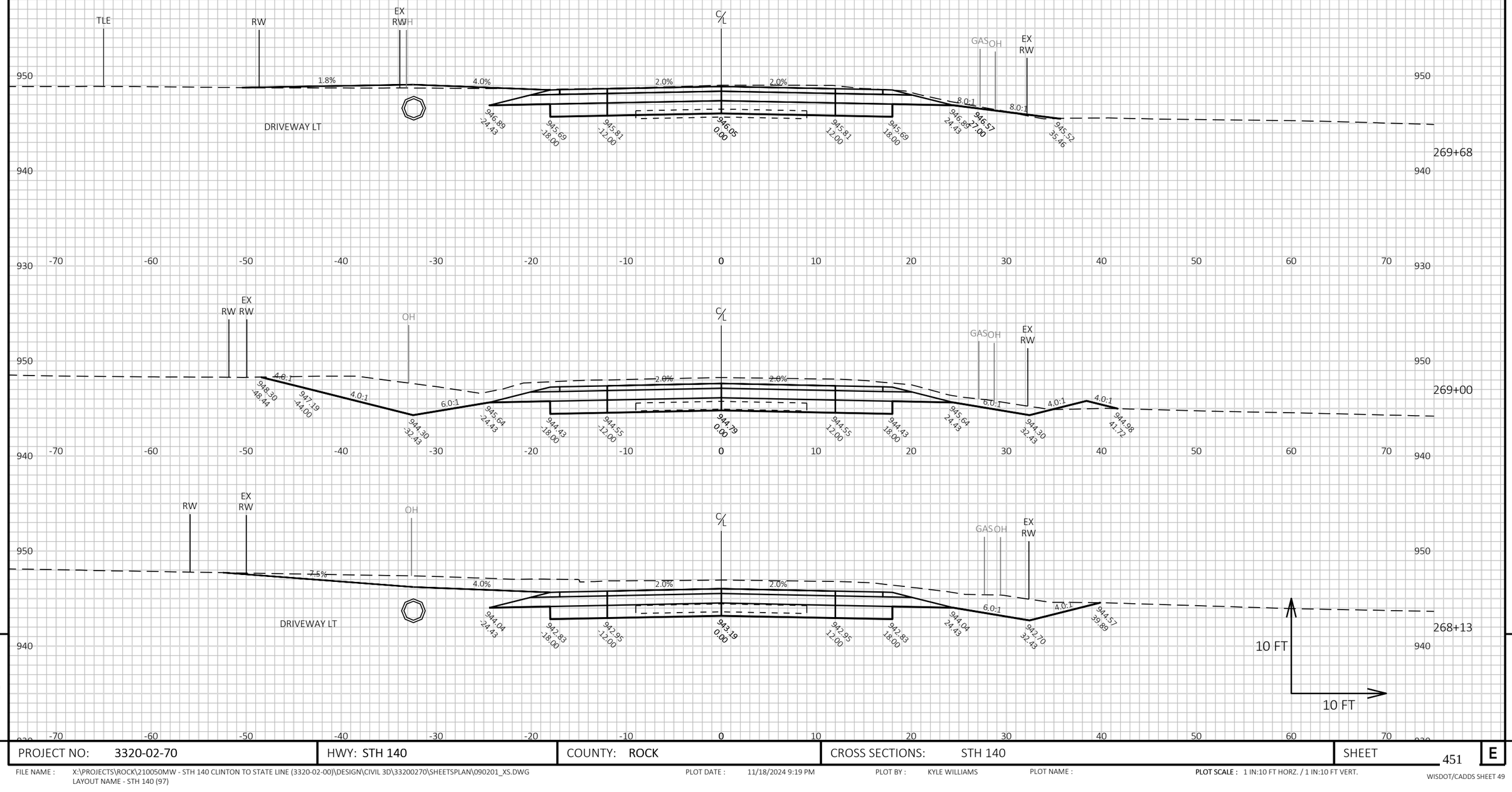


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 450	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (96)

PLOT DATE : 11/18/2024 9:17 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

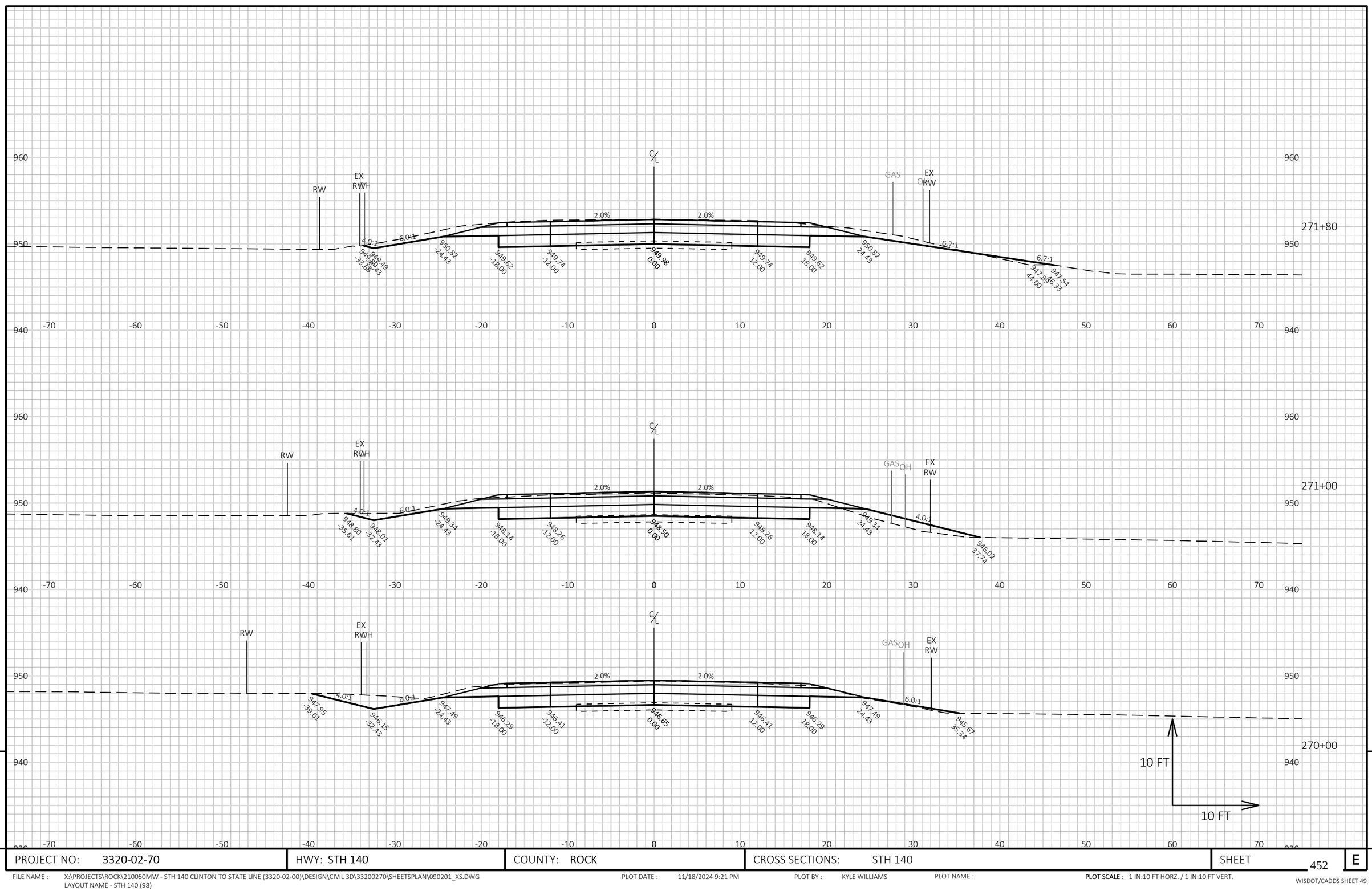


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 451	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (97)

PLOT DATE : 11/18/2024 9:19 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

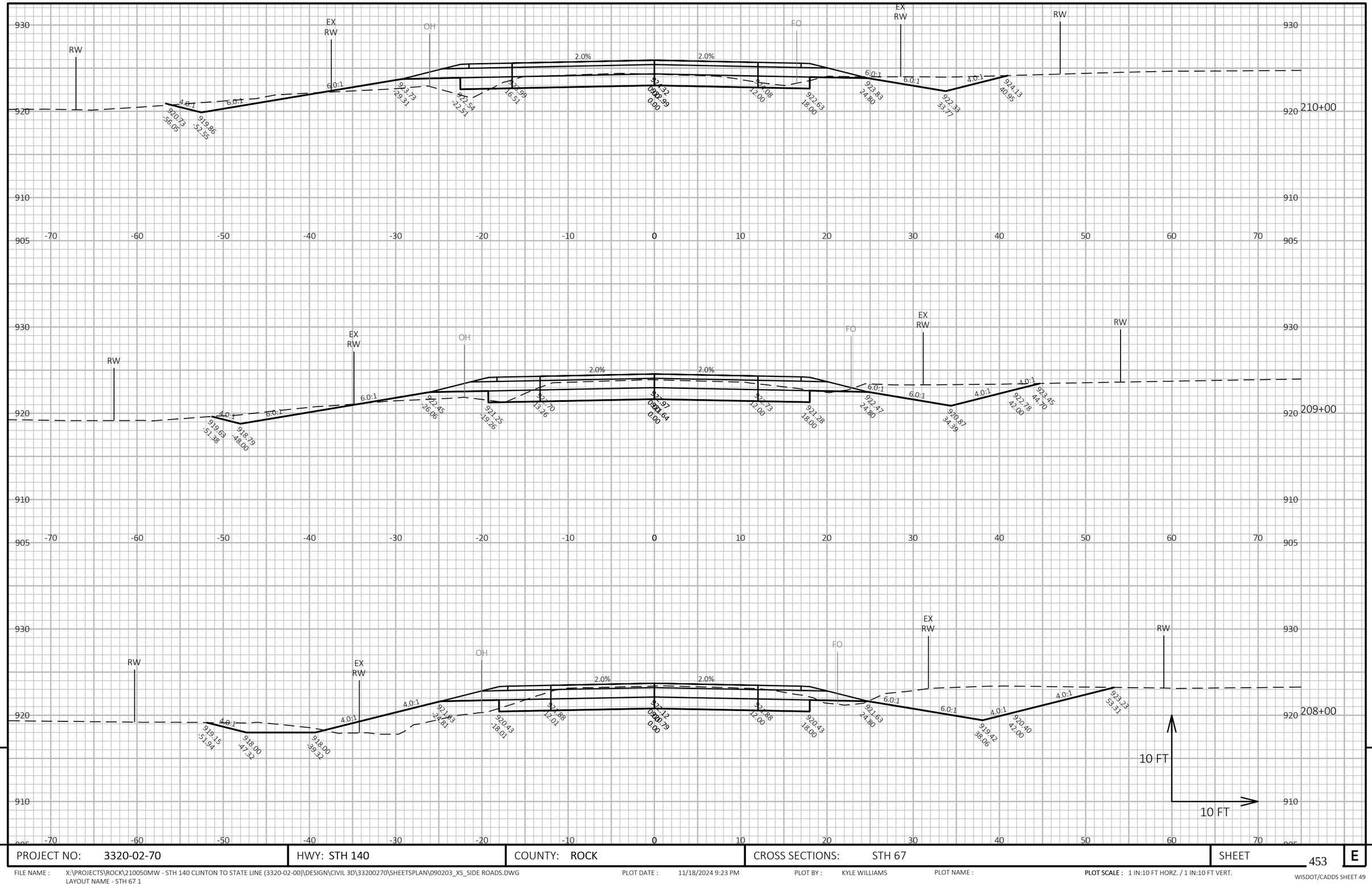
9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 140	SHEET 452	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - STH 140 (98)

PLOT DATE : 11/18/2024 9:21 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

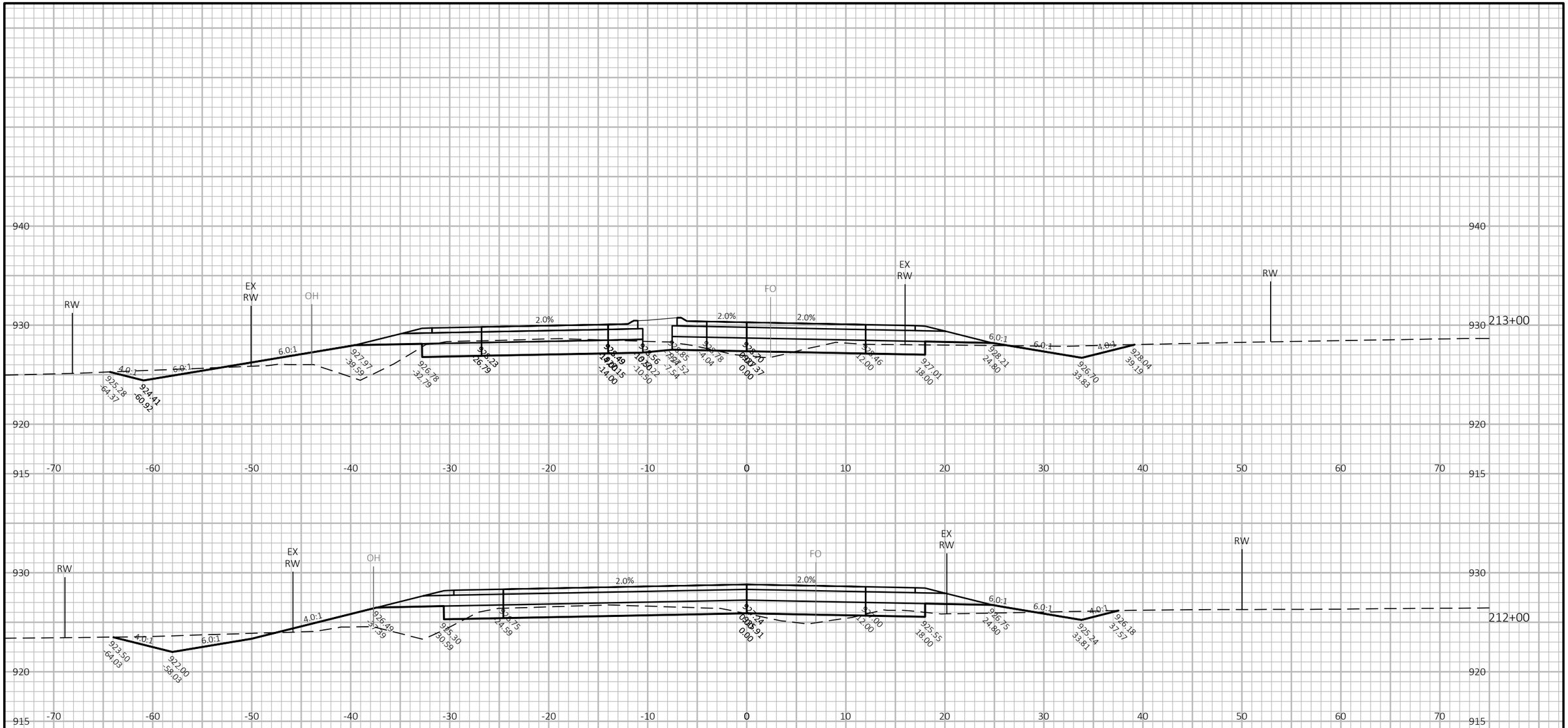
9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 67	SHEET 453	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - STH 67 1

PLOT DATE : 11/18/2024 9:23 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

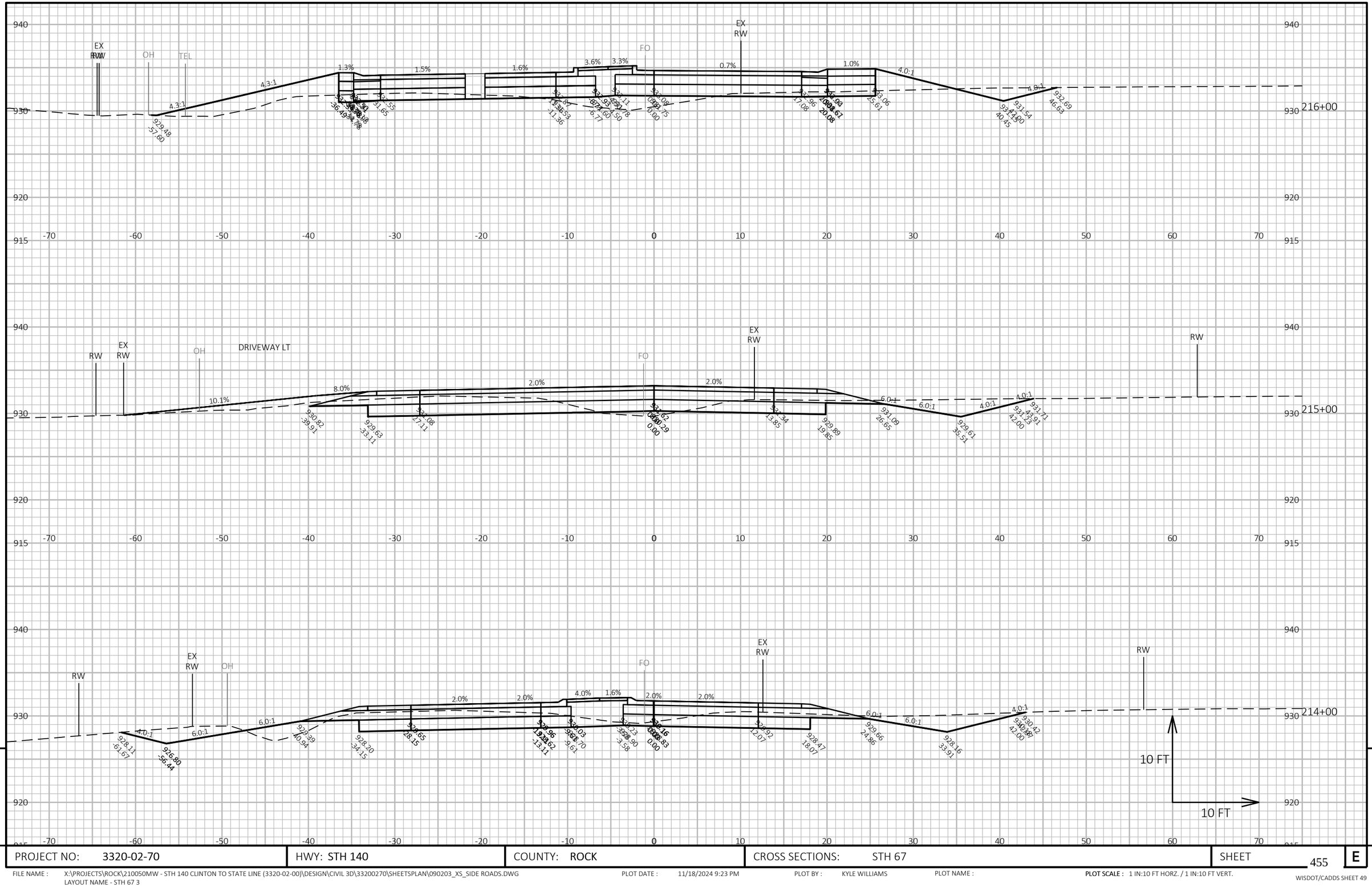


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 67	SHEET 454 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - STH 67 2

PLOT DATE : 11/18/2024 9:23 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

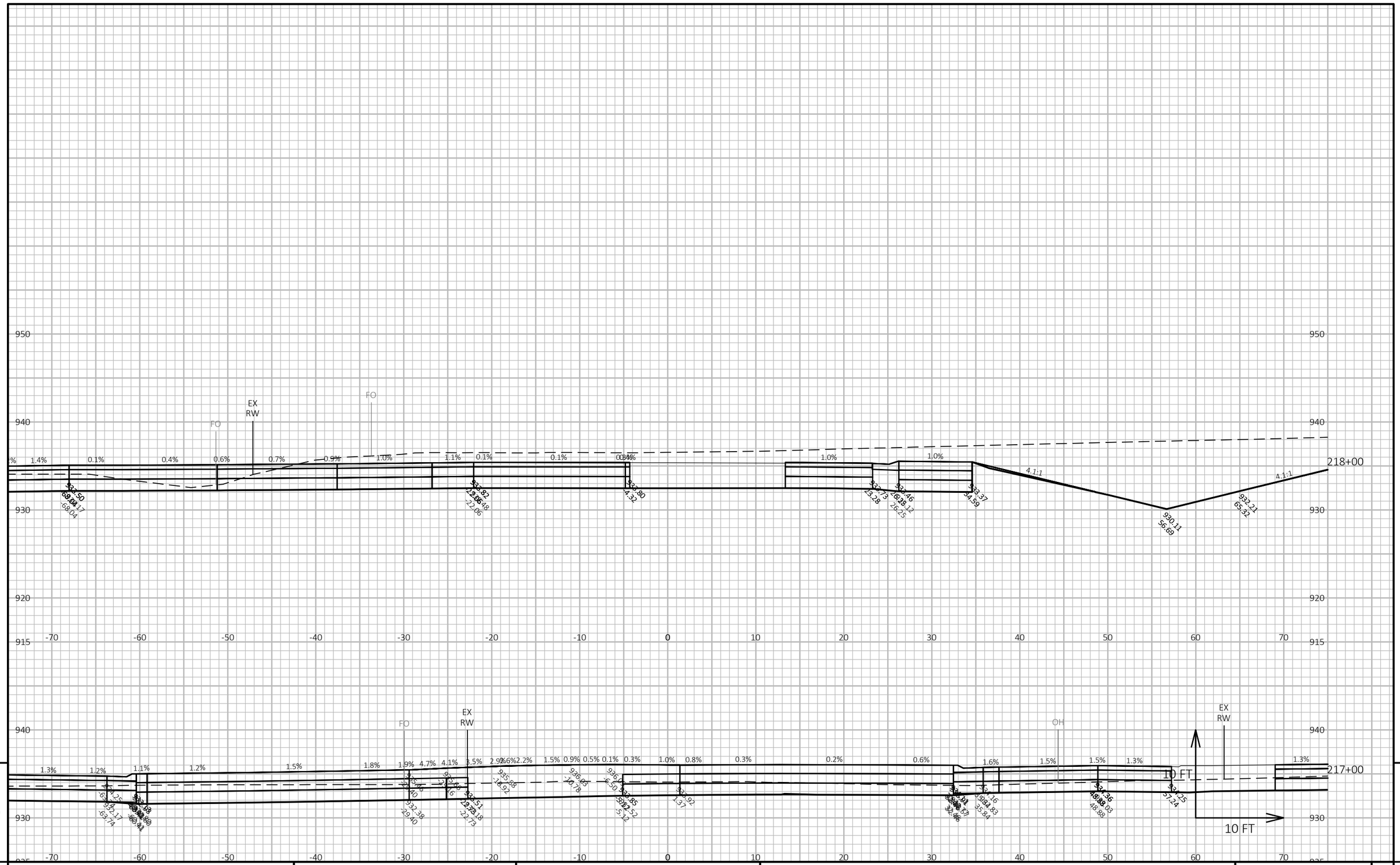
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 67	SHEET 455	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - STH 67 3

PLOT DATE : 11/18/2024 9:23 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

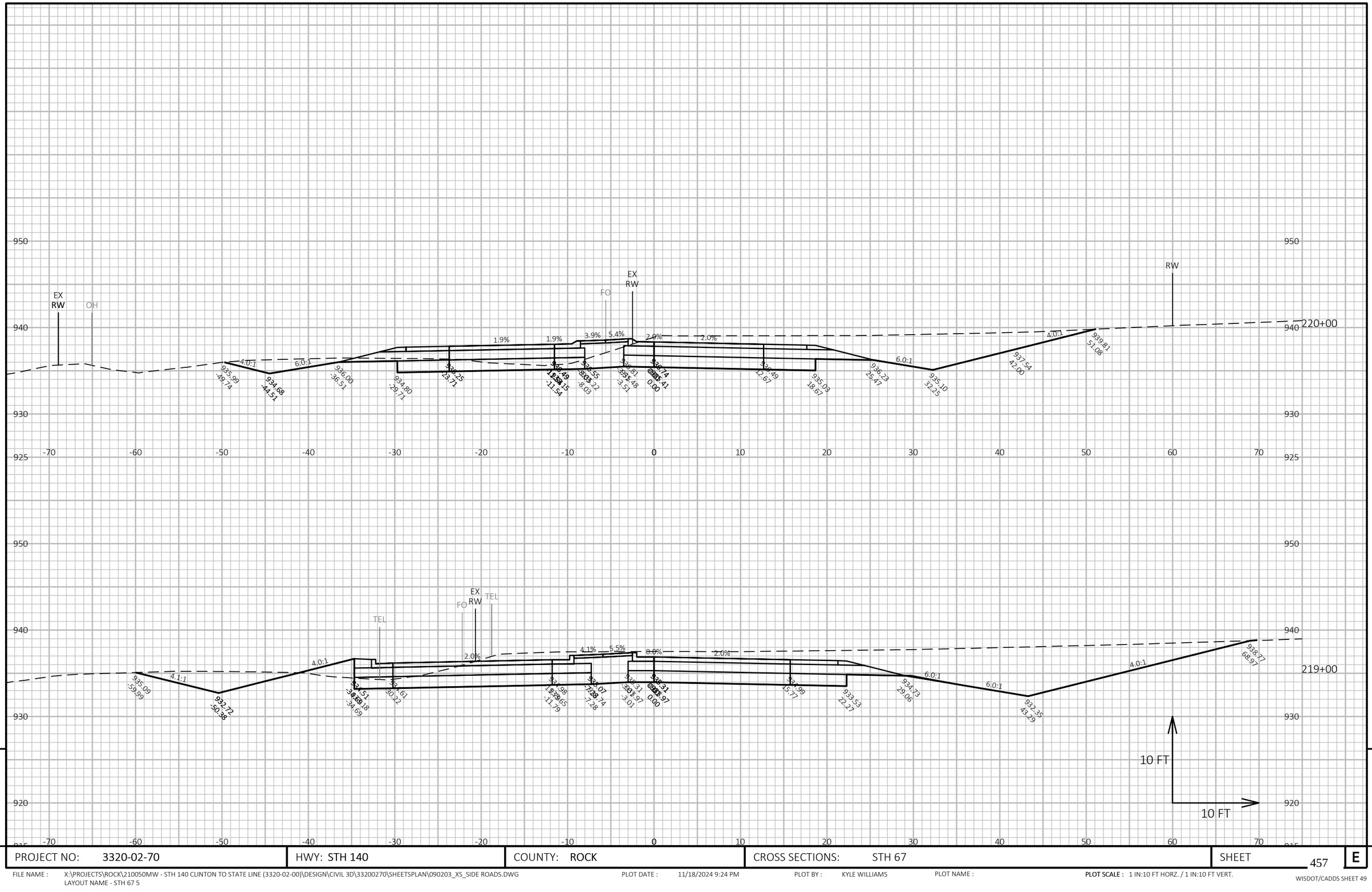


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 67	SHEET 456	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - STH 67 4

PLOT DATE : 11/18/2024 9:24 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

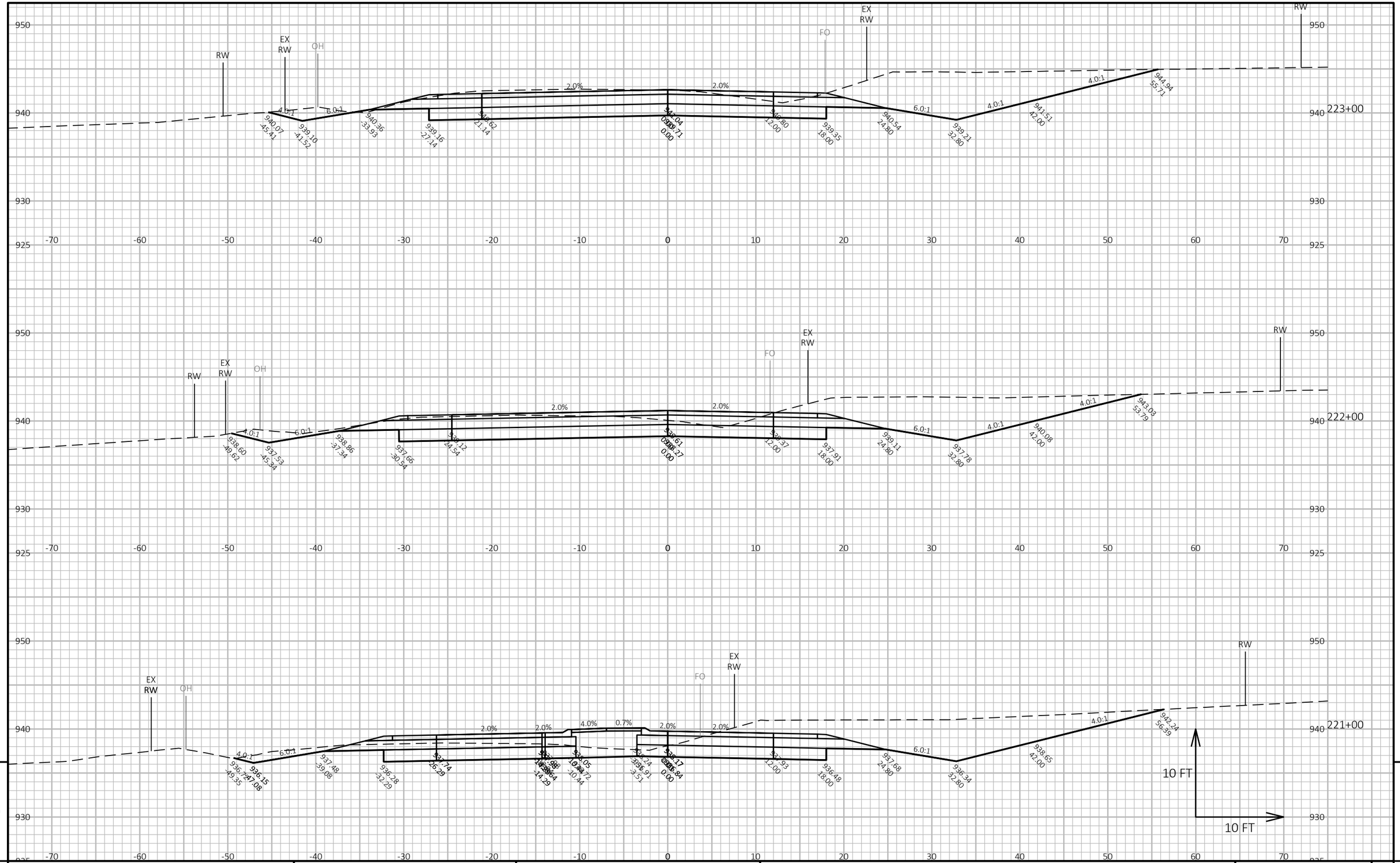


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 67	SHEET 457 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - STH 67 5

PLOT DATE : 11/18/2024 9:24 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

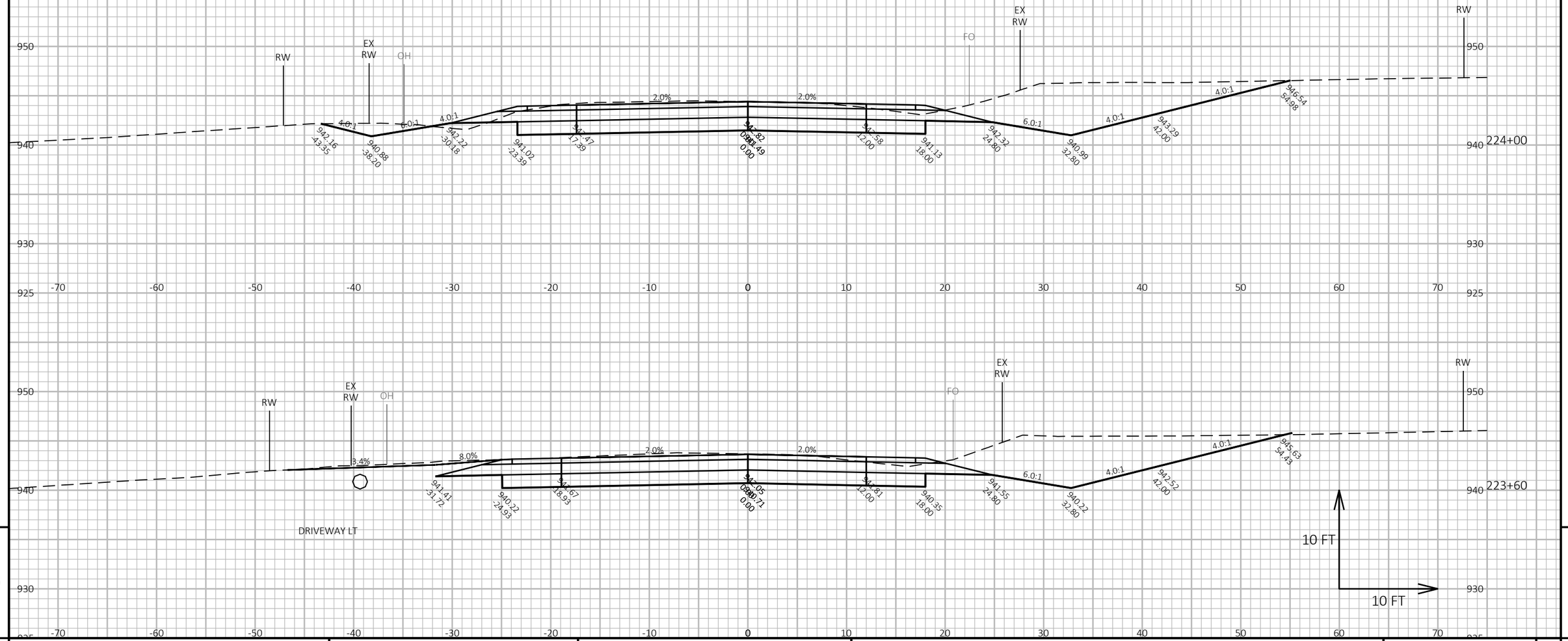
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 67	SHEET 458	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - STH 67 6

PLOT DATE : 11/18/2024 9:25 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

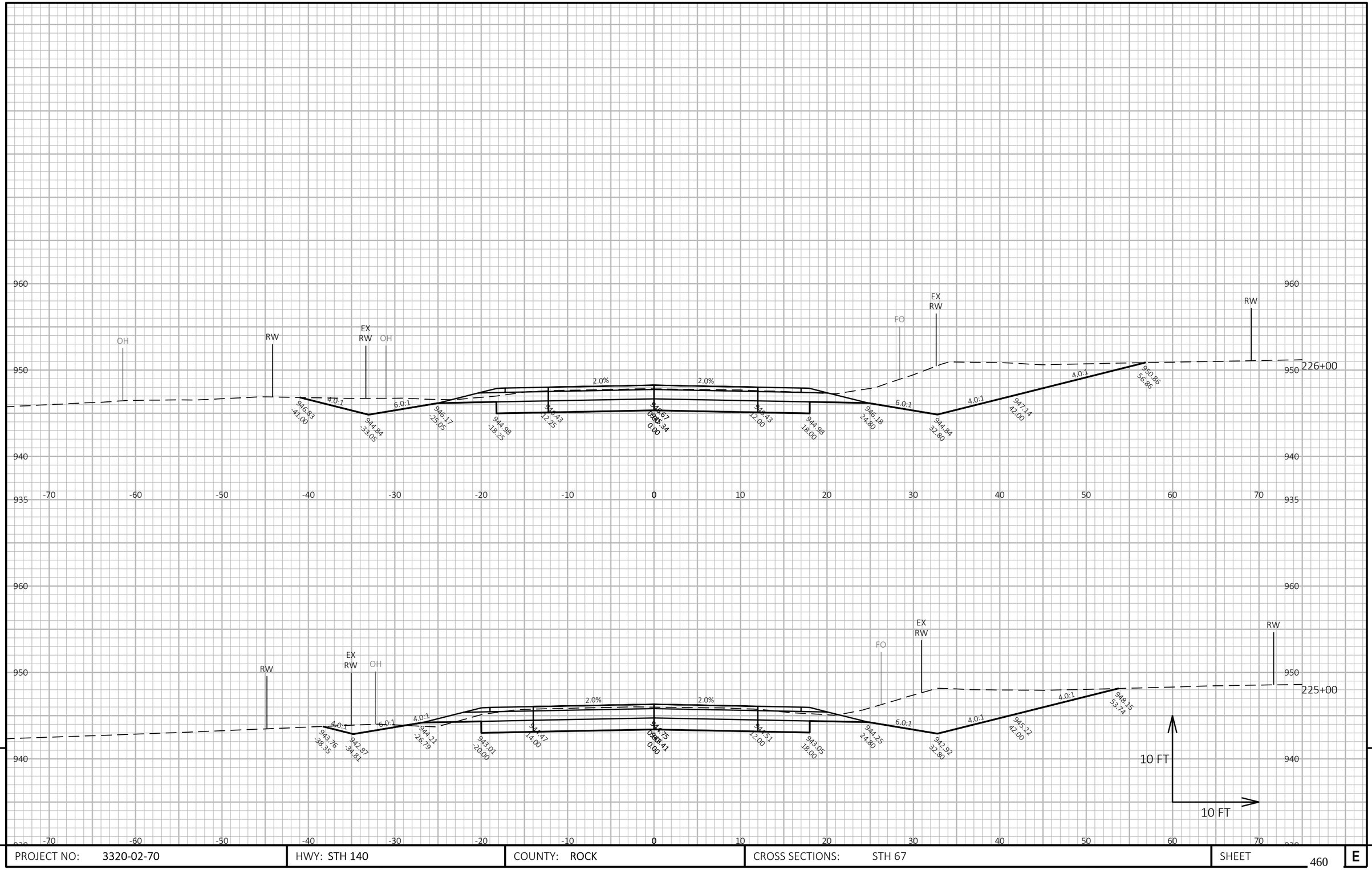


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 67	SHEET 459	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - STH 67 7

PLOT DATE : 11/18/2024 9:25 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

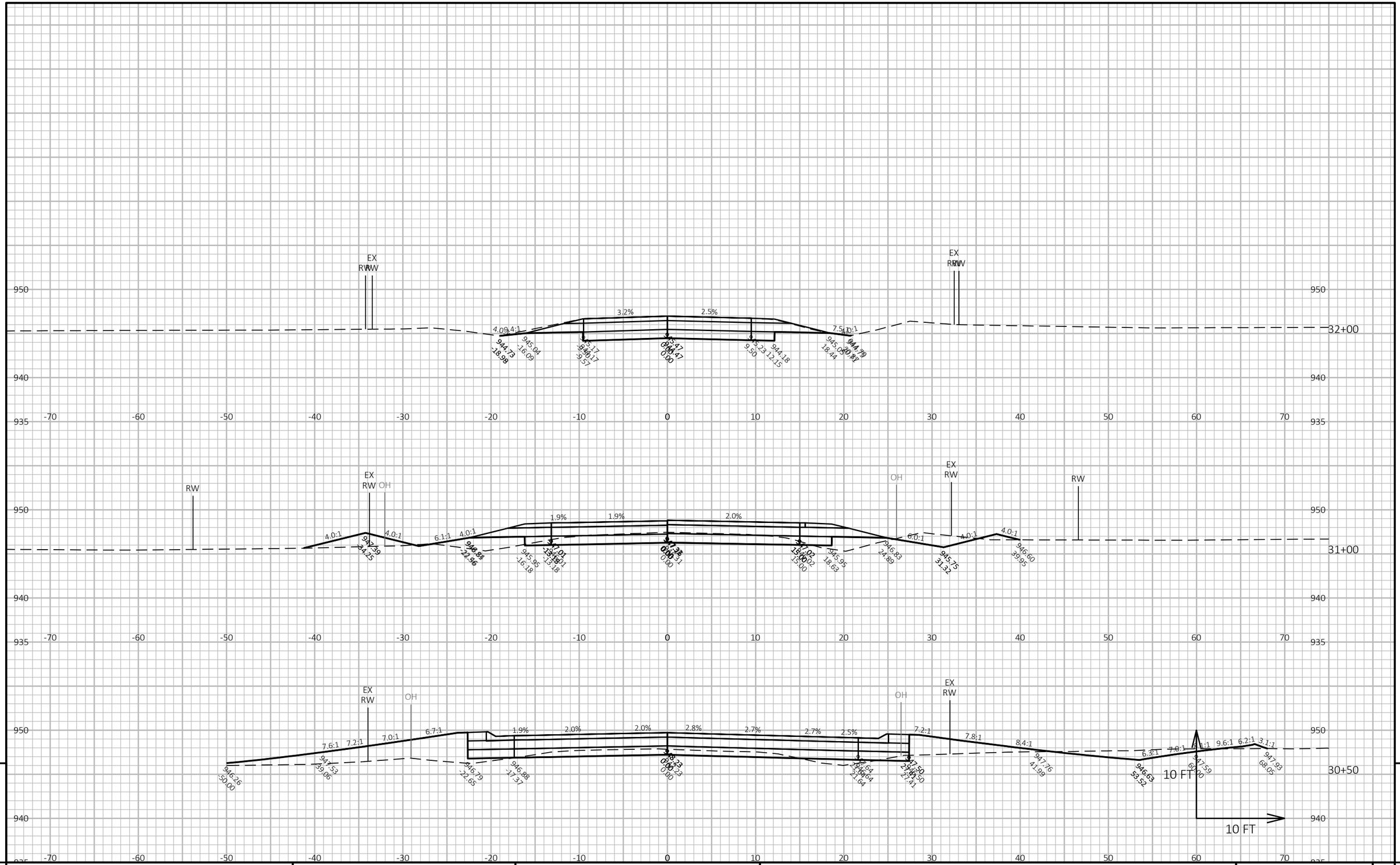


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: STH 67	SHEET 460	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - STH 67 8

PLOT DATE : 11/18/2024 9:25 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: TIGHE RD	SHEET 461	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - TIGHE RD - 1

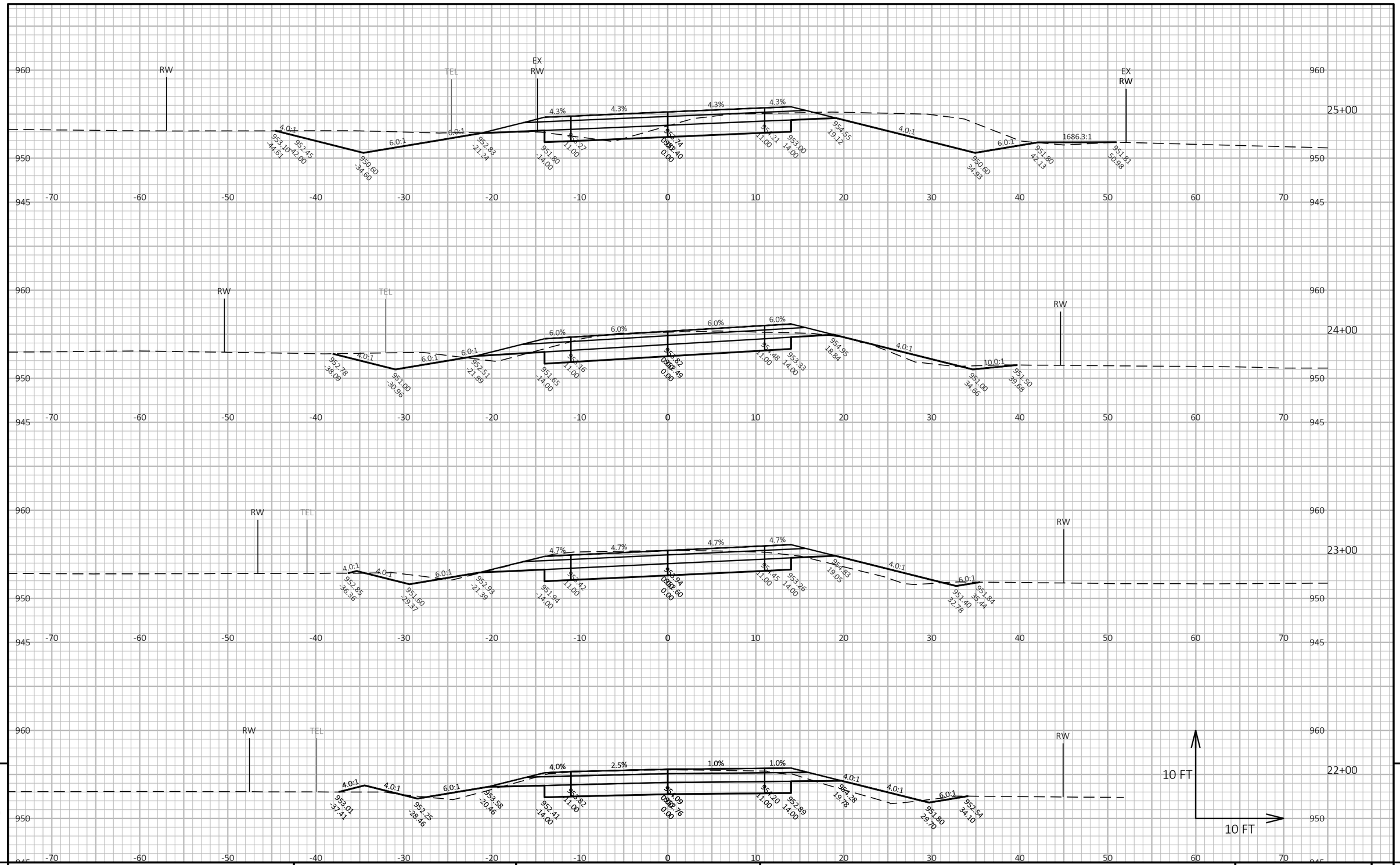
PLOT DATE : 11/18/2024 9:26 PM

PLOT BY : KYLE WILLIAMS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

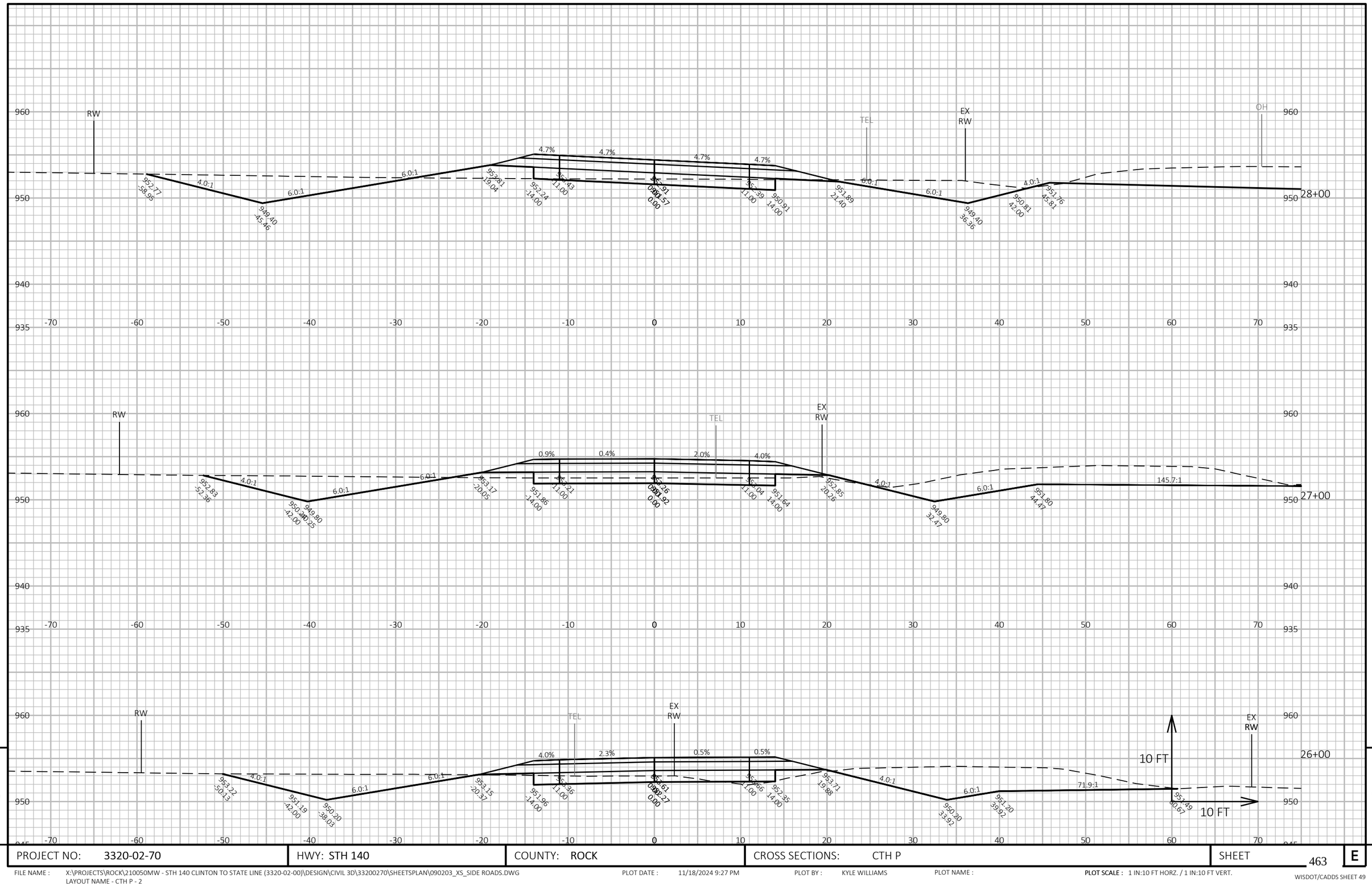


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: CTH P	SHEET 462 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - CTH P - 1

PLOT DATE : 11/18/2024 9:26 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

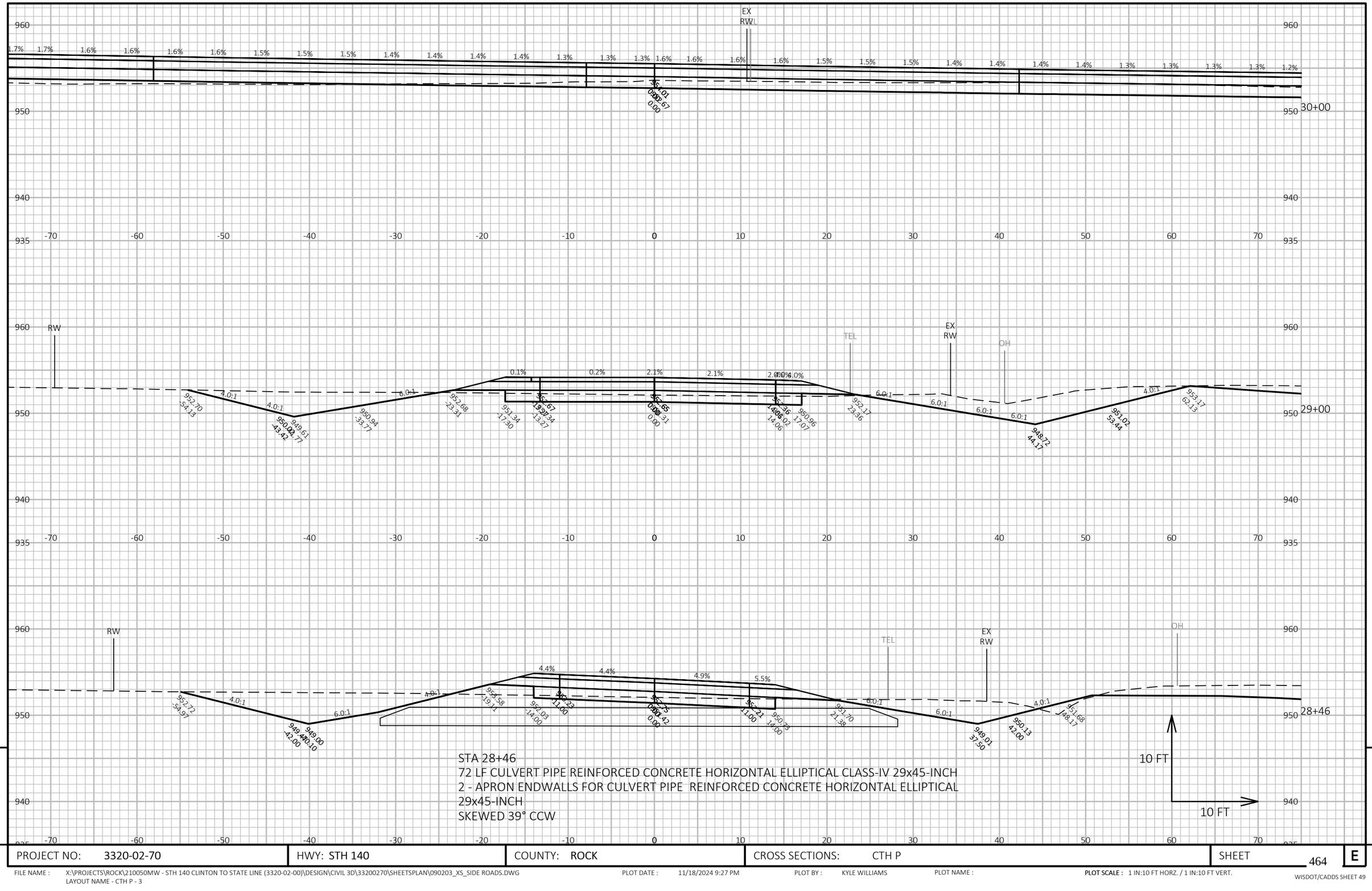
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: CTH P	SHEET 463	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - CTH P - 2

PLOT DATE : 11/18/2024 9:27 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

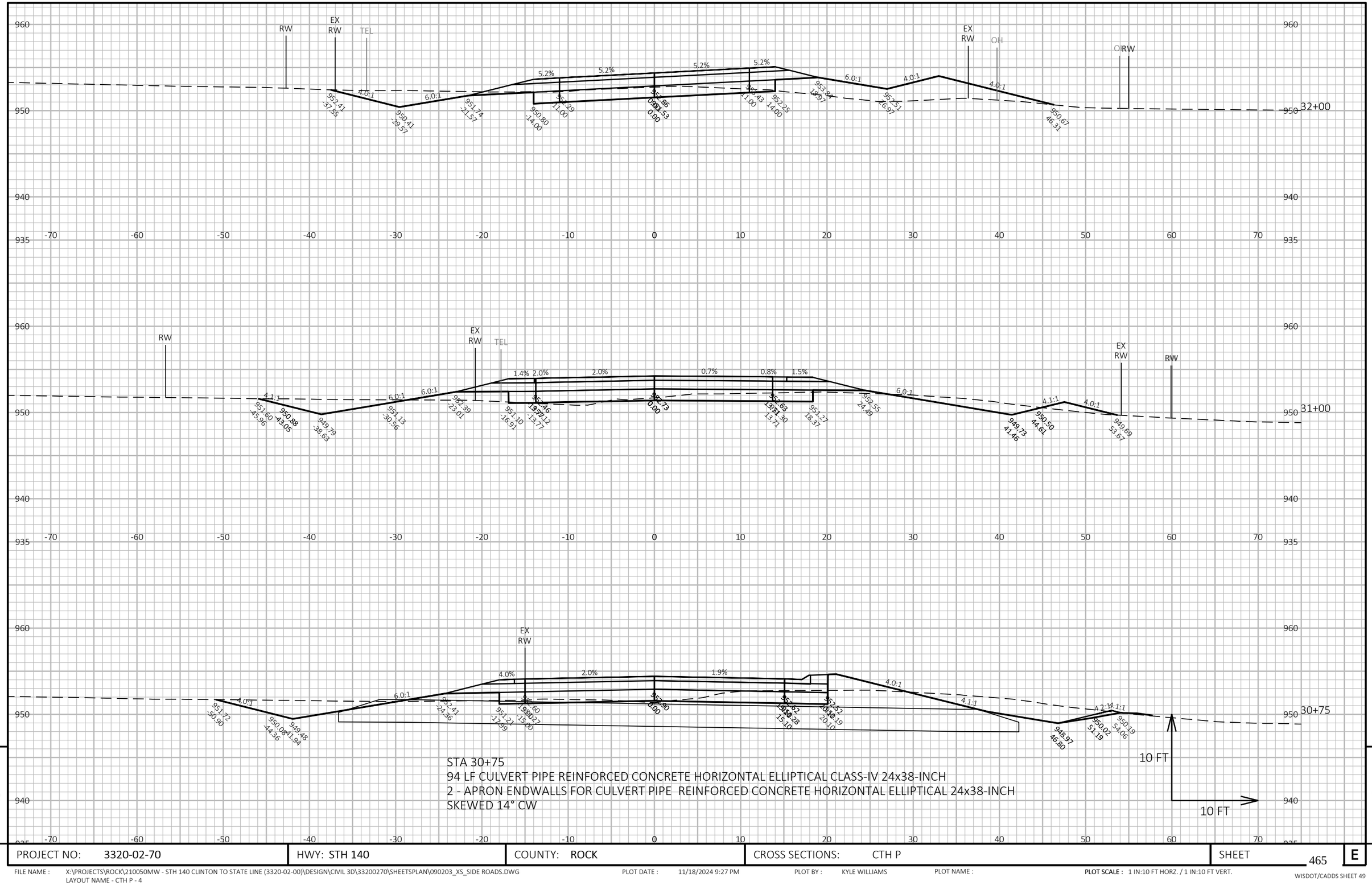
WISDOT/CADDS SHEET 49



STA 28+46
72 LF CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS-IV 29x45-INCH
2 - APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29x45-INCH
SKEWED 39° CCW

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: CTH P	SHEET 464	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - CTH P - 3
PLOT DATE : 11/18/2024 9:27 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

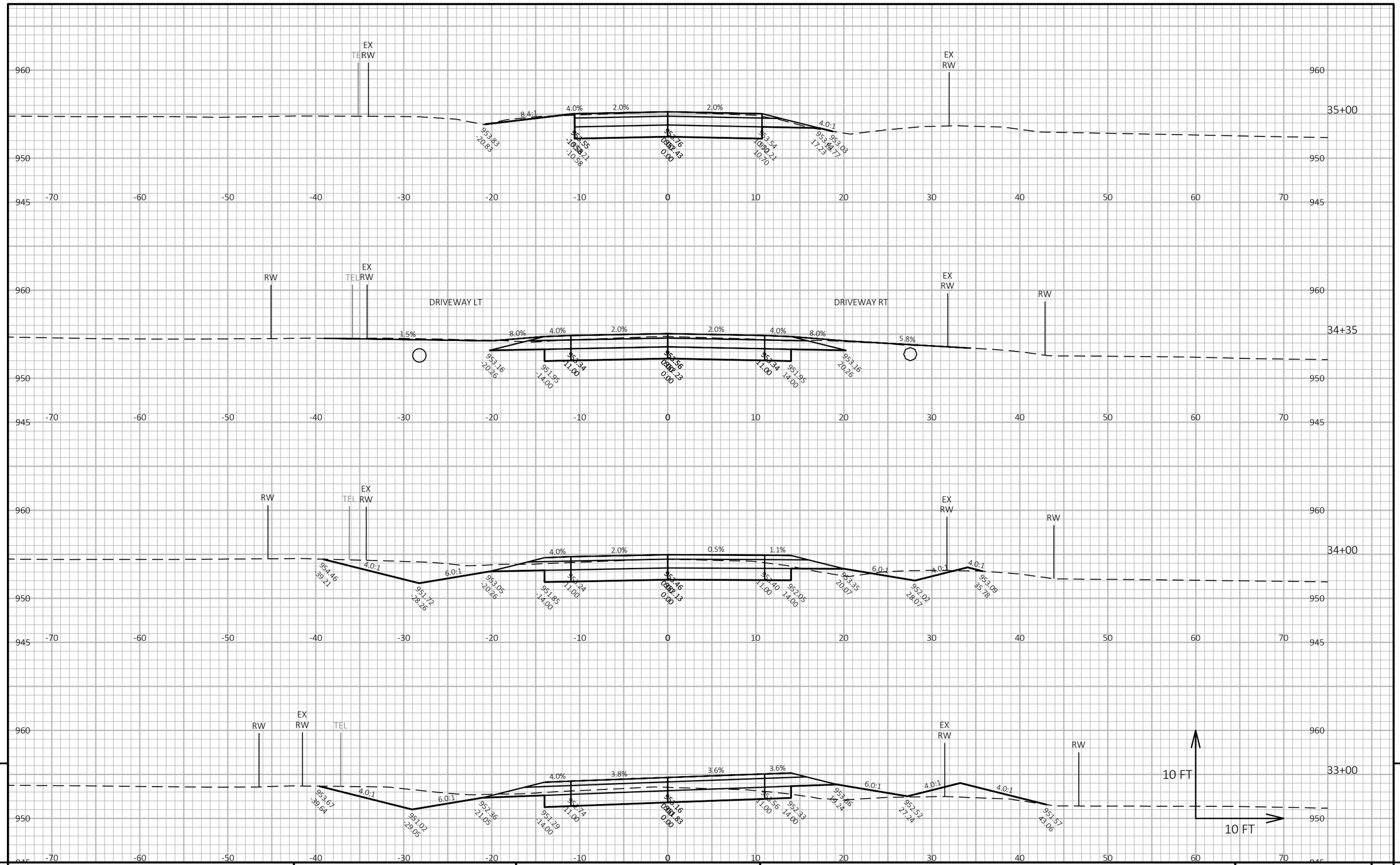
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: CTH P	SHEET 465	E

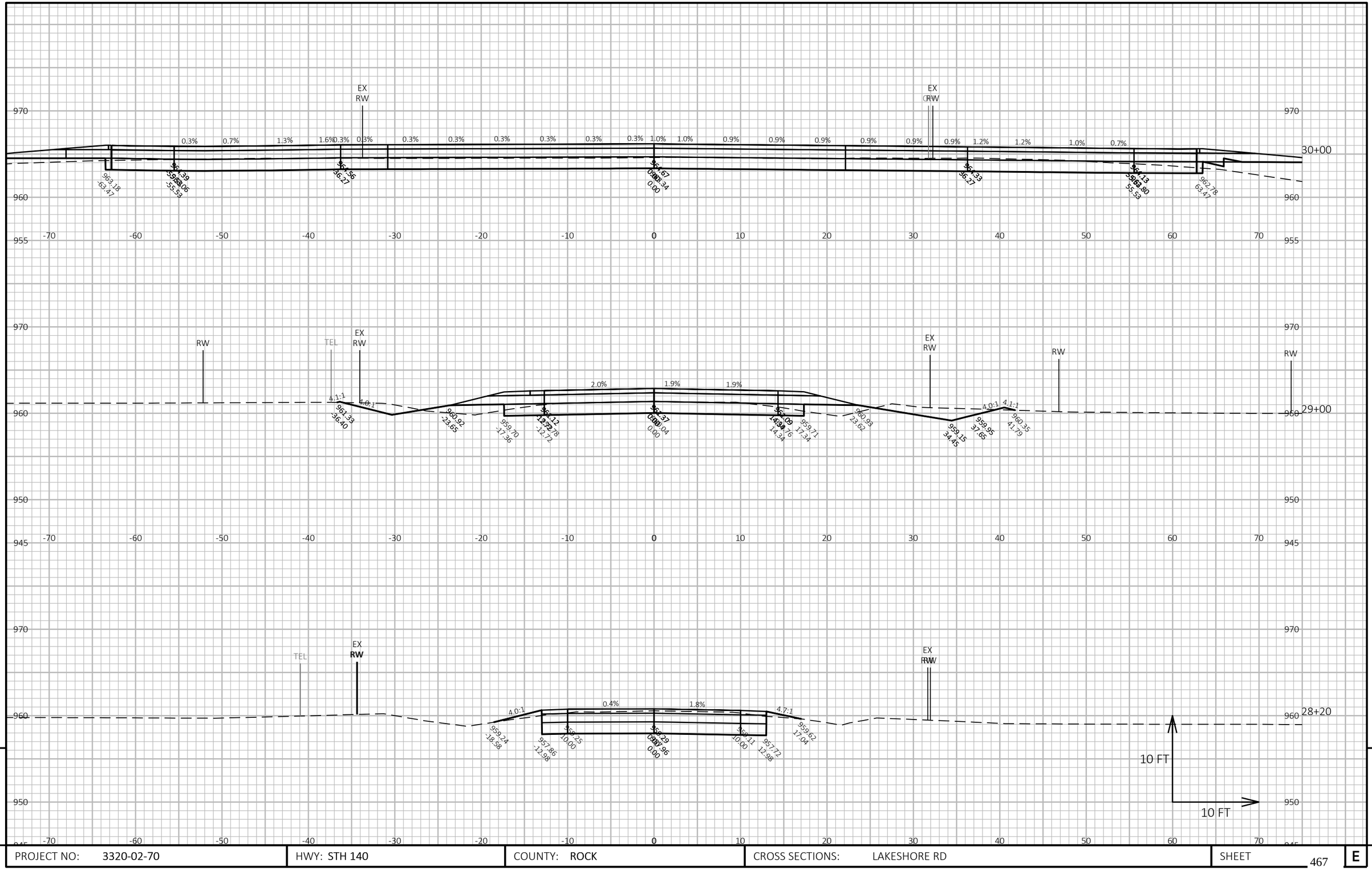
FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - CTH P - 4

PLOT DATE : 11/18/2024 9:27 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9	PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: CTH P	SHEET 466 E

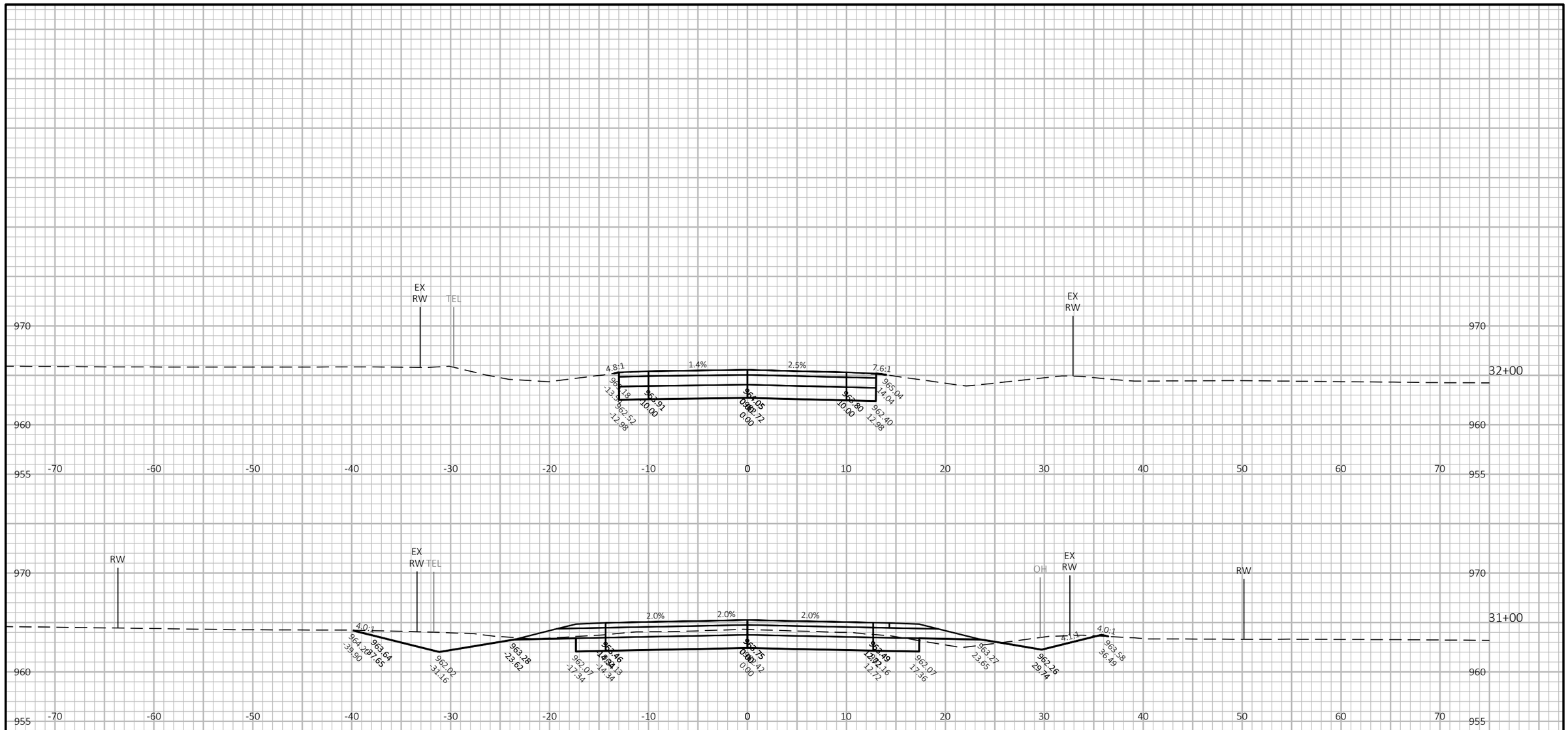


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: LAKESHORE RD	SHEET 467 E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - LAKESHORE - 1

PLOT DATE : 11/18/2024 9:28 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: LAKESHORE RD	SHEET 468	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090203_XS_SIDE ROADS.DWG
LAYOUT NAME - LAKESHORE - 2

PLOT DATE : 11/18/2024 9:29 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

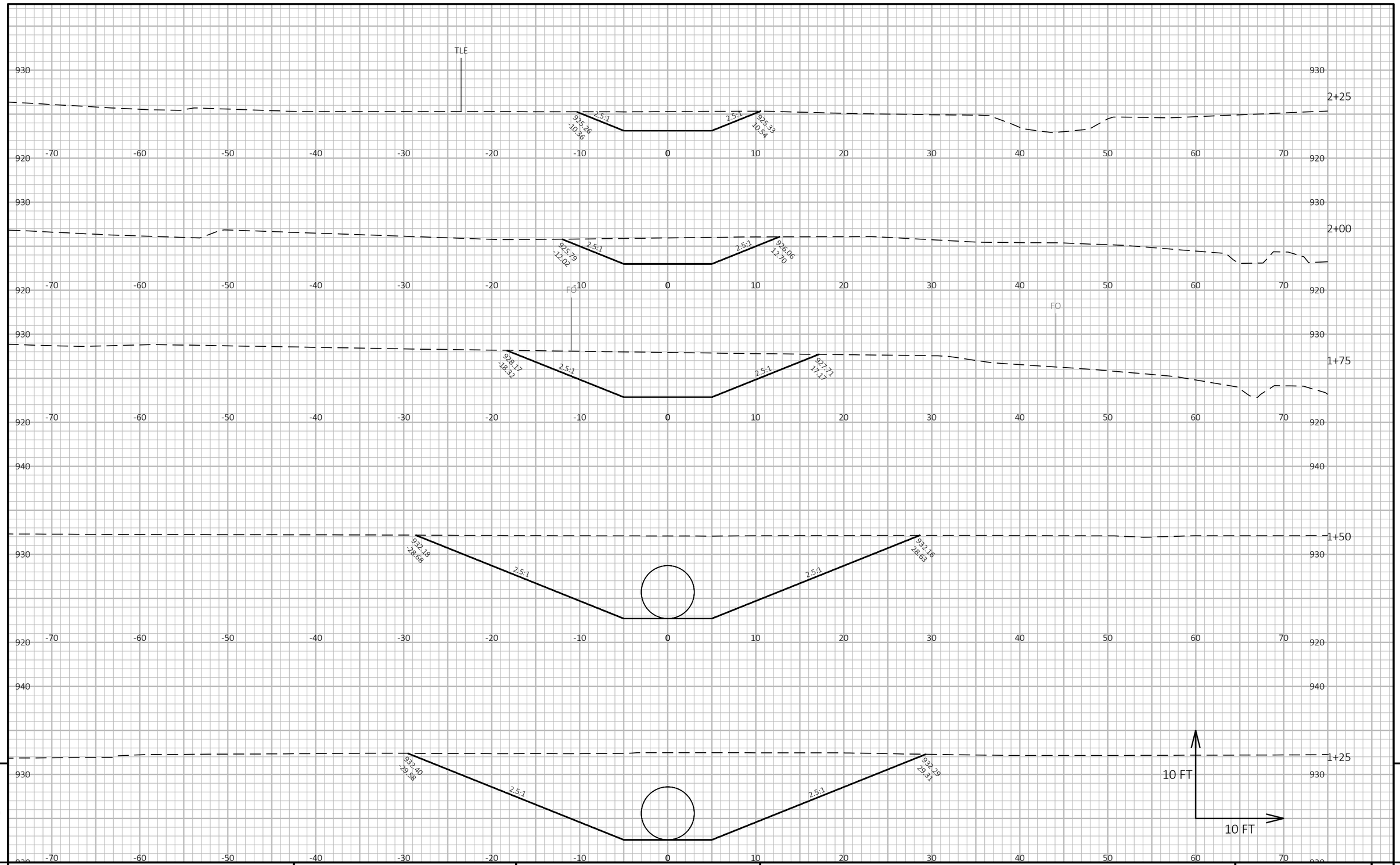
9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: C-53-3016 CHANNEL	SHEET 469	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 6

PLOT DATE : 11/18/2024 9:29 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

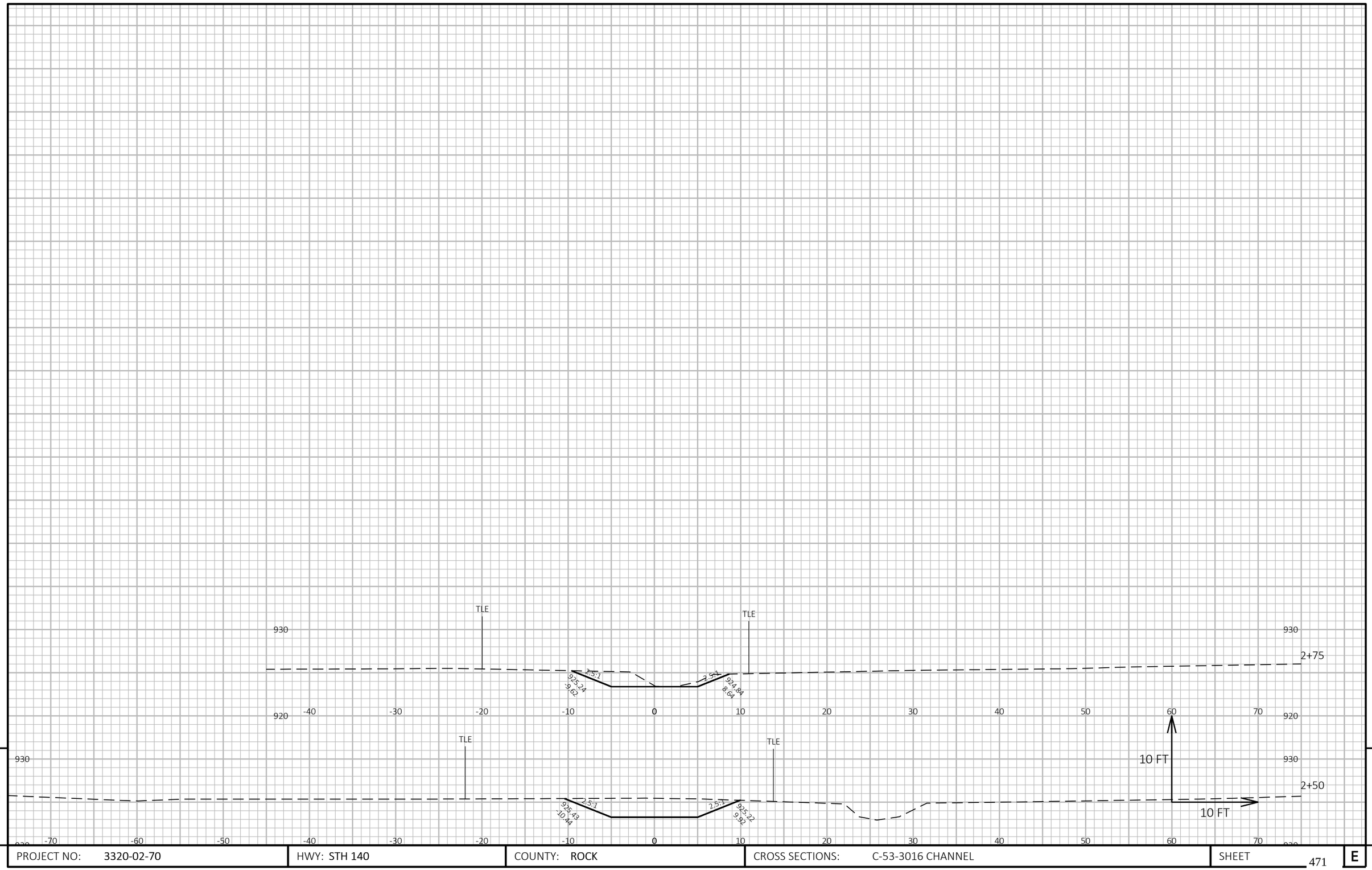
9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: C-53-3016 CHANNEL	SHEET 470	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 7

PLOT DATE : 11/18/2024 9:30 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



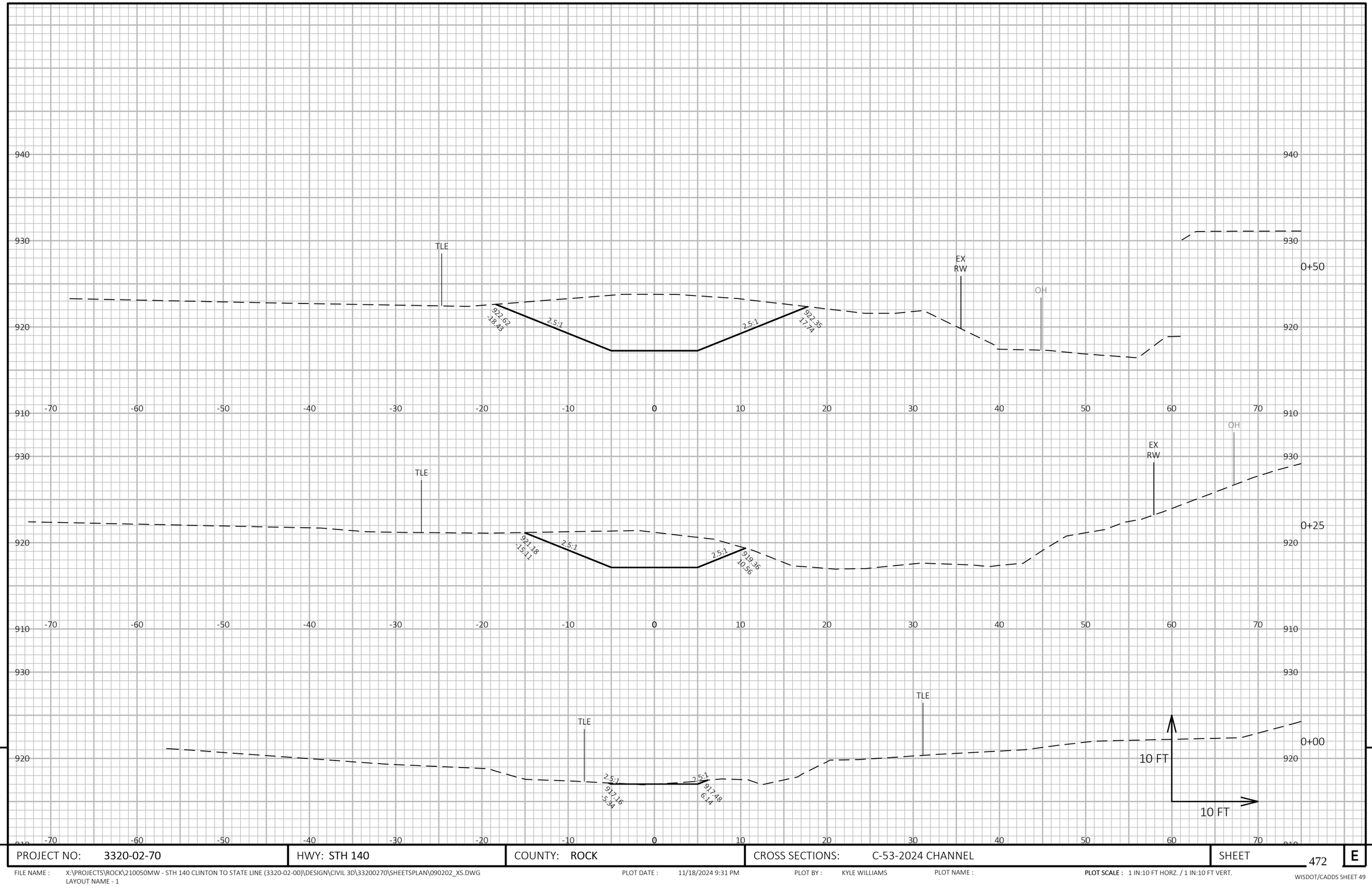
9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: C-53-3016 CHANNEL	SHEET 471	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 8

PLOT DATE : 11/18/2024 9:30 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

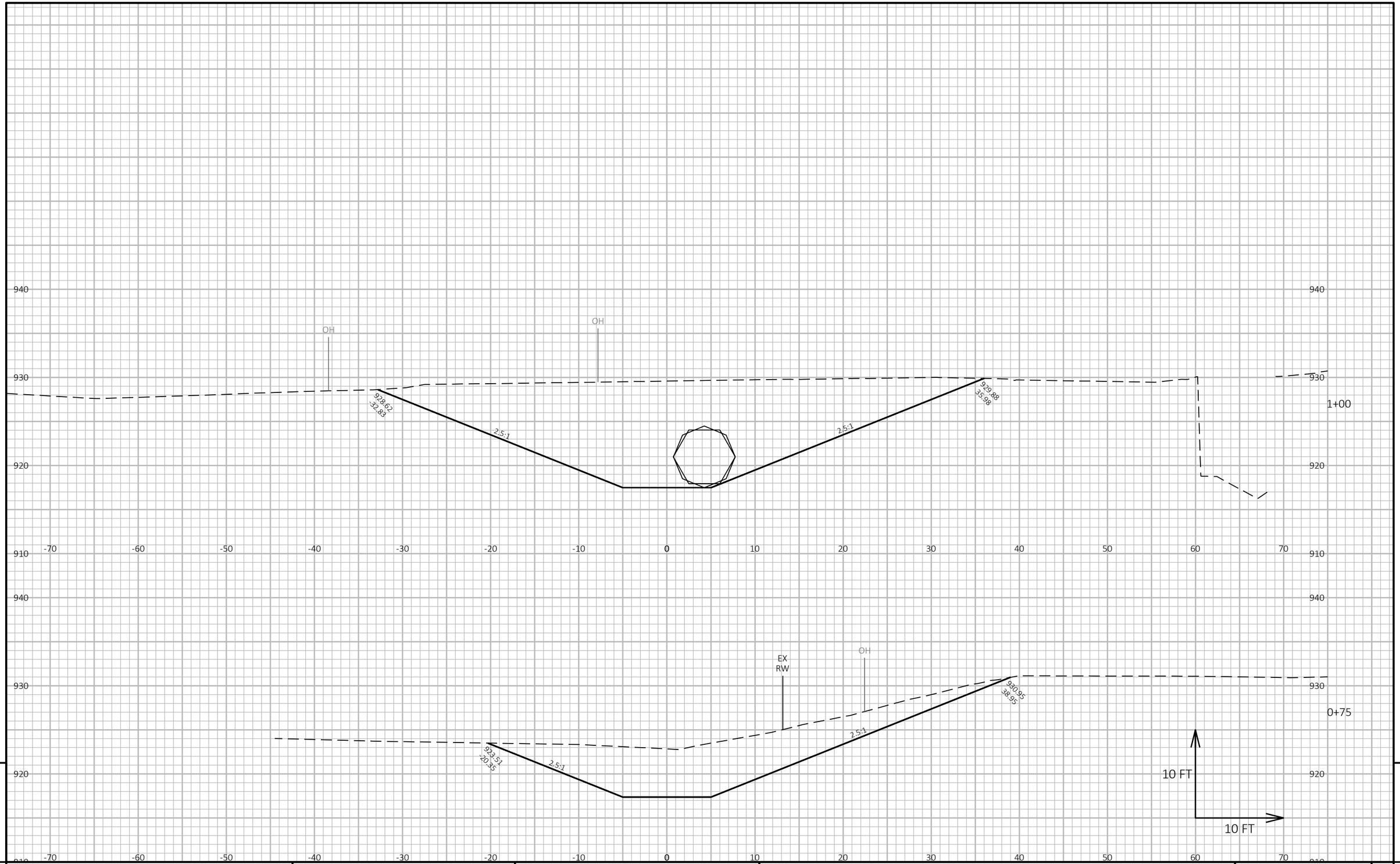


PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: C-53-2024 CHANNEL	SHEET 472	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 1

PLOT DATE : 11/18/2024 9:31 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

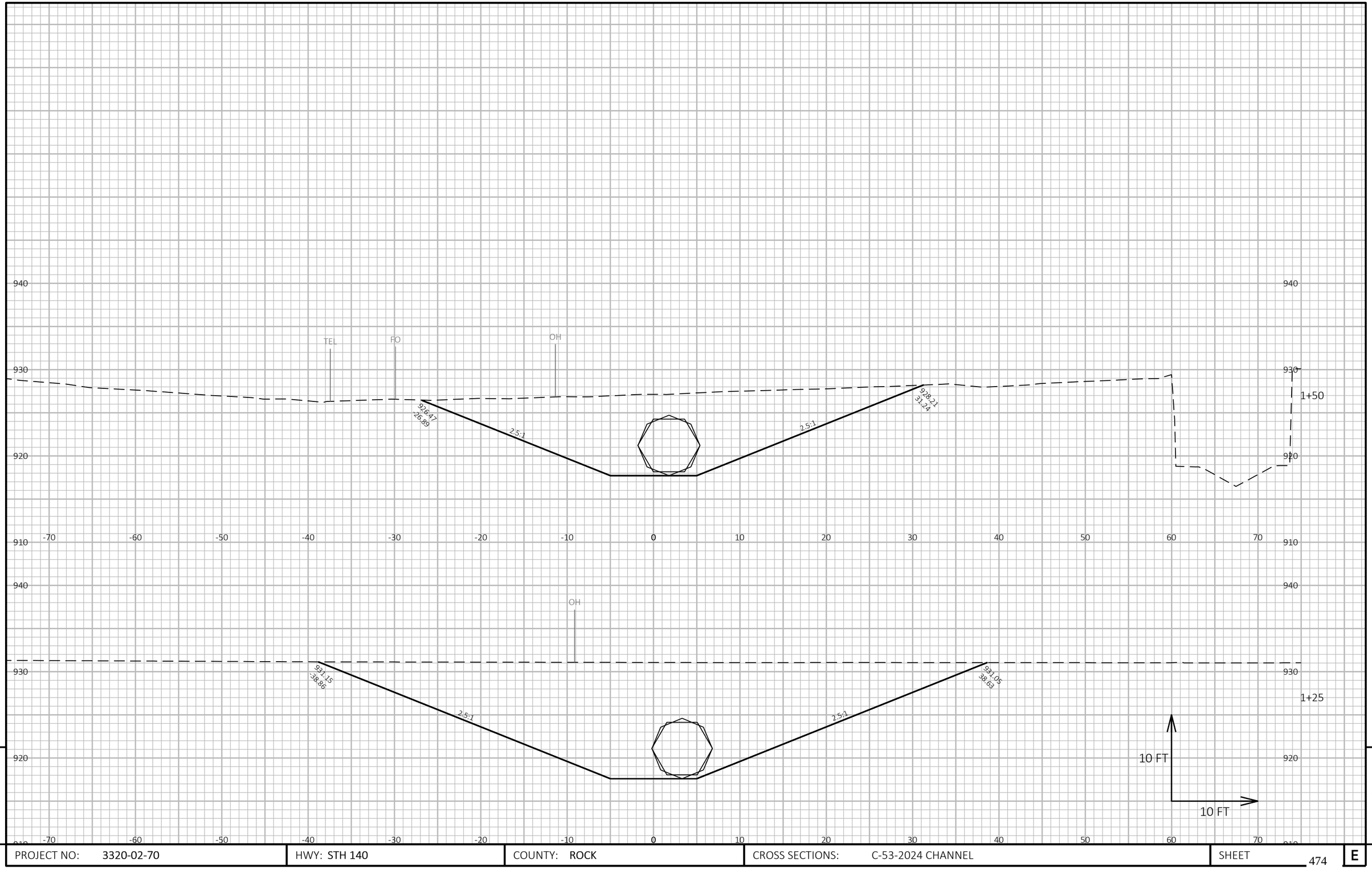
PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: C-53-2024 CHANNEL	SHEET 473	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 2

PLOT DATE : 11/18/2024 9:31 PM PLOT BY : KYLE WILLIAMS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

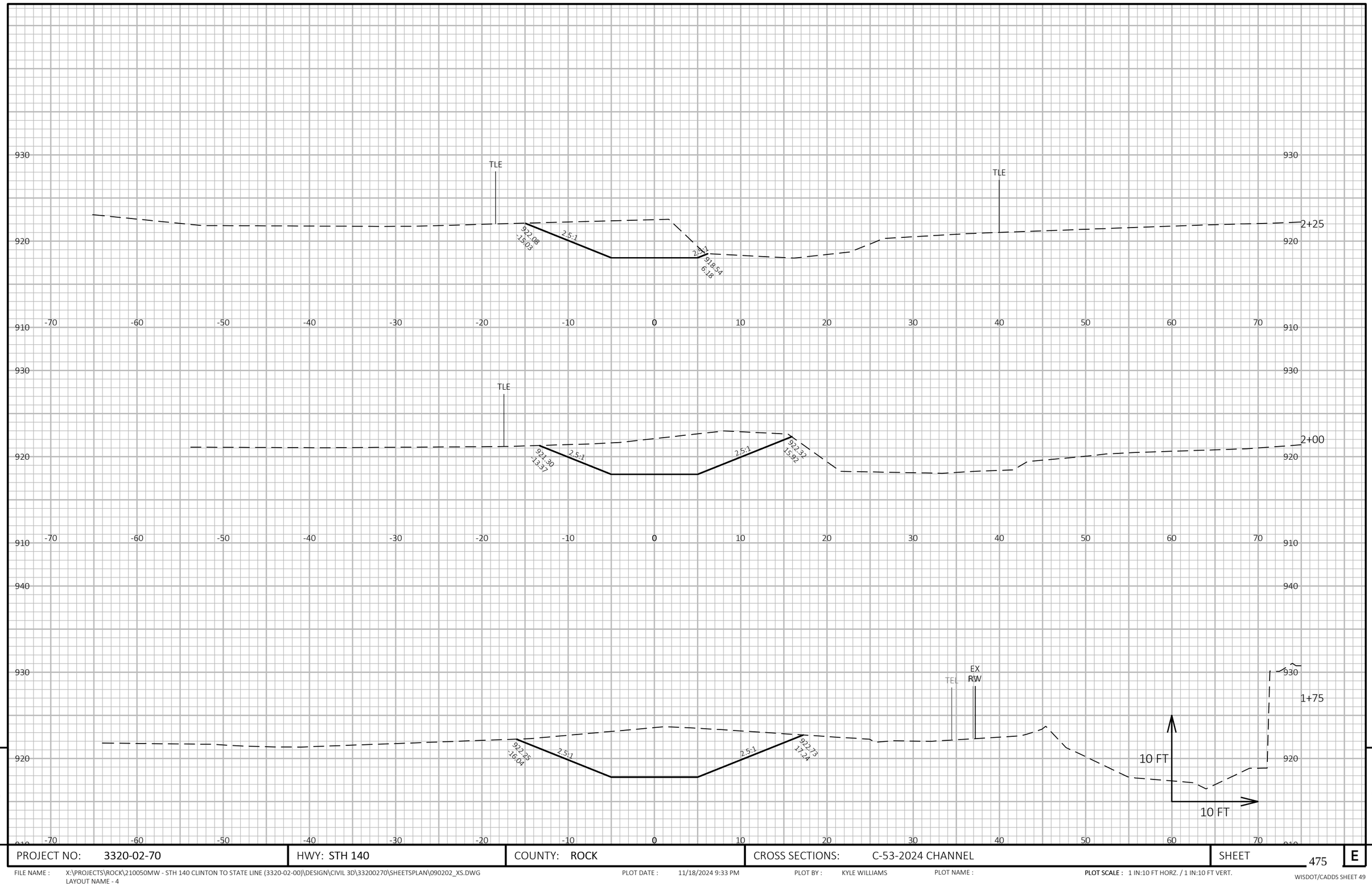
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: C-53-2024 CHANNEL	SHEET 474	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 3

PLOT DATE : 11/18/2024 9:32 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

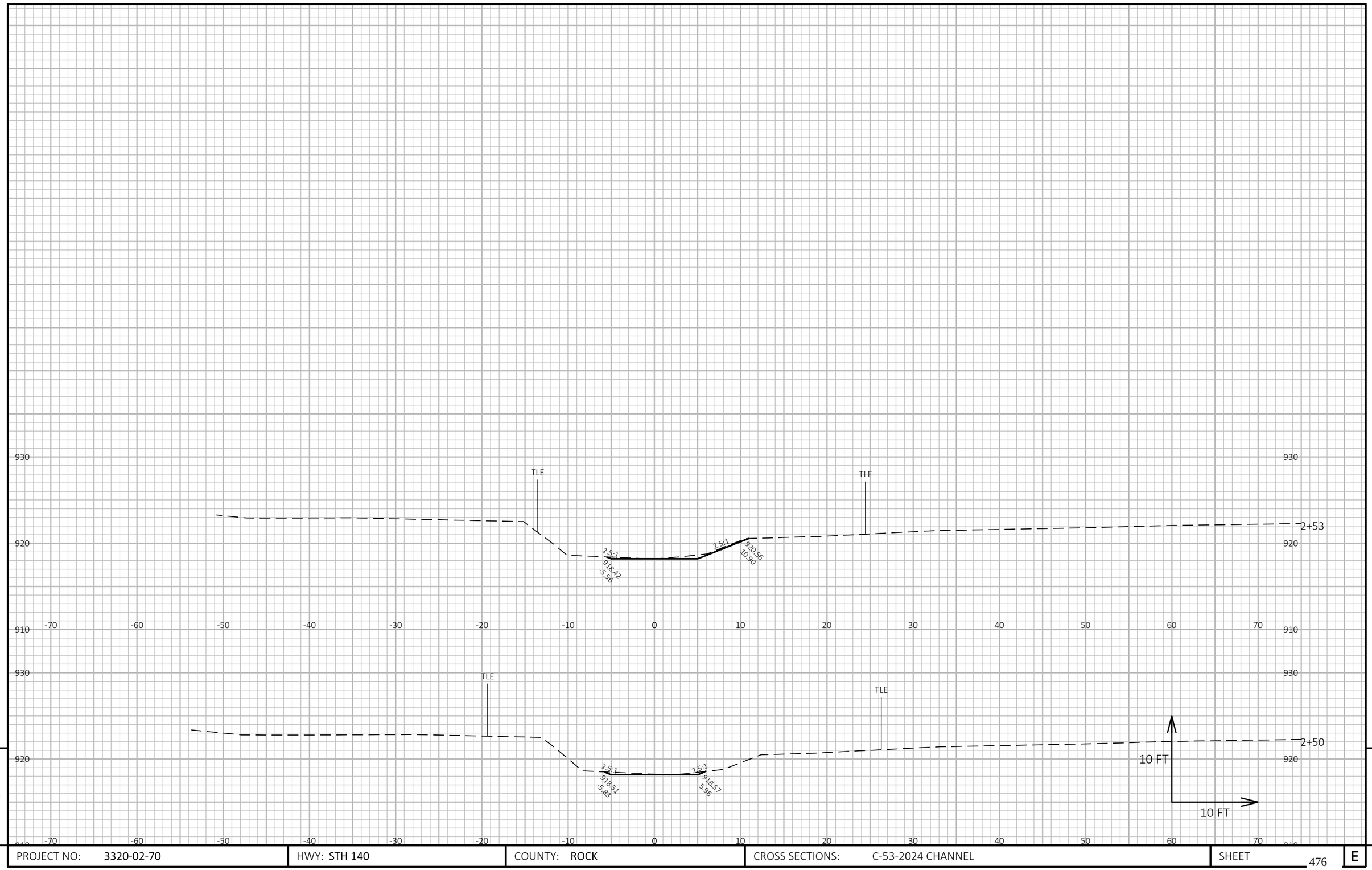
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PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: C-53-2024 CHANNEL	SHEET 475	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 4

PLOT DATE : 11/18/2024 9:33 PM PLOT BY : KYLE WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3320-02-70	HWY: STH 140	COUNTY: ROCK	CROSS SECTIONS: C-53-2024 CHANNEL	SHEET 476	E

FILE NAME : X:\PROJECTS\ROCK\210050MW - STH 140 CLINTON TO STATE LINE (3320-02-00)\DESIGN\CIVIL 3D\33200270\SHEETSPLAN\090202_XS.DWG
LAYOUT NAME - 5

PLOT DATE : 11/18/2024 9:34 PM PLOT BY : KYLE WILLIAMS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

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