LAX

APRIL 2022

PROJECT ID: 7373-00-70

WITH: NA

COUNTY: MONROE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plan)
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 = 226

16

N

DESIGN DESIGNATION

A.A.D.T.	(2021)	=	1,410
A.A.D.T.	(2041)	=	2,100
D.H.V.	(2043)	=	189
D.D.		=	60/40
T.		=	10% (ASSUMED)
DESIGN SPEED		=	40 MPH (STA. 11+00 - STA. 15+32) 60 MPH (STA. 15+32 - STA. 105+50)
ESALS		=	440,000

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE			
SLOPE INTERCEPT		CULVERT (Profile View)	
REFERENCE LINE	300'ES'	UTILITIES	
EXISTING CULVERT		ELECTRIC	E
PROPOSED CULVERT (Box or Pipe)		FIBER OPTIC	FO
COMBUSTIBLE FLUIDS	CAUTION	GAS	G
		SANITARY SEWER	SAN
MARSH AREA		STORM SEWER	SS
		TELEPHONE	T
WOODED OR SHRUB AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

T OF TOMAH - T OF LA GRANGE

C OF TOMAH TO FLARE AVENUE

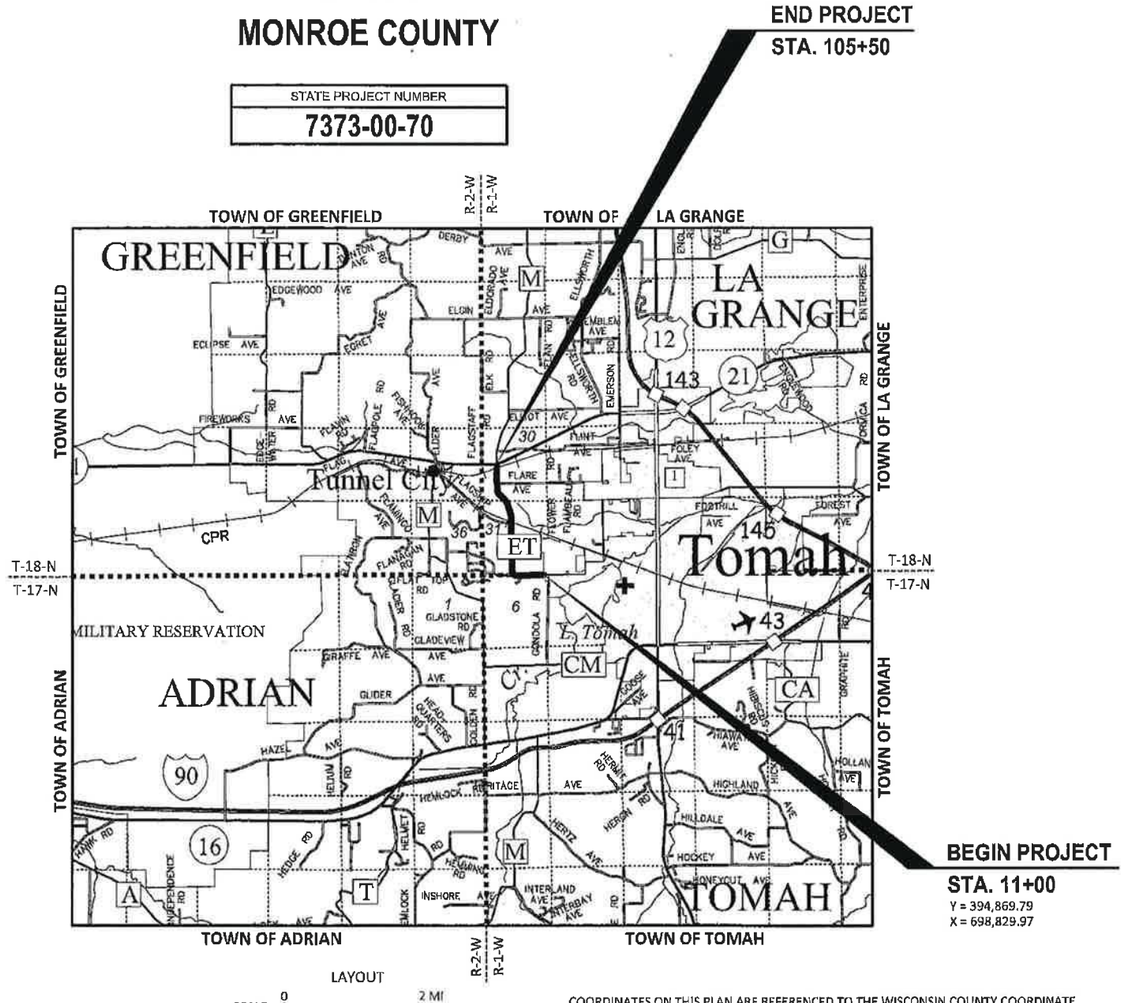
CTH ET

MONROE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7373-00-70	WISC 2022297	1

STATE PROJECT NUMBER

7373-00-70



TOTAL NET LENGTH OF CENTERLINE = 1.790 MILES

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MONROE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCE MAY BE USED AS GROUND DISTANCES.

ELEVATION SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88 (2012).

ACCEPTED FOR

COUNTY of MONROE

10/21/2021 (Date) (Highway Commissioner)

ORIGINAL PLANS PREPARED BY

JEWELL associates engineers, inc

Engineers - Architects - Surveyors

WISCONSIN ELLERY A. SCHAFFER E-41742-6 SPRING GREEN, WI PROFESSIONAL ENGINEER

10/21/21 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	JEWELL ASSOCIATES ENGINEERS, INC
Designer	JEWELL ASSOCIATES ENGINEERS, INC
Project Manager	ALEIGHA BURG, P.E.
Regional Examiner	SW REGION
Regional Supervisor	JOHN STOLZMAN, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 10/26/2021

Aleigha Burg, P.E. Digitally signed by Aleigha Burg, P.E. Date: 2021.10.26 04:59:02 -05'00'

(Signature)

E

GENERAL NOTES

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

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE, AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION. EXACT LOCATIONS OF EBS WILL BE DETERMINED BY THE ENGINEER.

DISTURBED AREAS SHOWN WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS ARE TO BE FERTILIZED (TYPE B), SEEDED (USE SEED MIX NO. 20), AND EROSION MATTED/MULCHED AS DIRECTED BY THE ENGINEER. DO NOT USE FERTILIZER IN WETLAND AREAS.

WHEN THE QUANTITY OF THE ITEM OF BASE AGGREGATE DENSE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

SILT FENCE, TEMPORARY DITCH CHECK, AND CULVERT PIPE CHECK BID ITEMS SHALL BE PLACED AS SHOWN IN THE PLAN OR AS DIRECTED BY THE ENGINEER. SILT FENCE SHALL BE PLACED PRIOR TO CONSTRUCTION.

THE EXACT LOCATION OF PRIVATE AND FIELD ENTRANCES TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVAL OF ASPHALTIC SURFACES WERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE SHALL REQUIRE A SAWCUT MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

ACCURACY OF INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

CURB AND GUTTER ELEVATIONS ARE GIVEN ON THE FLANGE LINE, UNLESS OTHERWISE NOTED.

ALL RADII DIMENSIONS ON THE PLAN FOR CURB AND GUTTER ARE TO THE FLANGE OF THE CURB AND GUTTER.

EXISTING DRIVEWAYS SHALL BE RESTORED IN KIND (UNLESS OTHERWISE NOTED) AND THEIR LOCATION VERIFIED BY THE ENGINEER IN THE FIELD.

HMA PAVMENT QUANTITIES WERE CALCULATED USING 115 LB/SY/IN. 4-INCHES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH A 1 3/4-INCH UPPER LAYER HMA PAVEMENT 4LT58-28S AND A 2 1/4-INCH LOWER LAYER HMA PAVEMENT 3LT 58-28S.

EXPANSION JOINTS SHALL BE CONSTRUCTED AT ALL RADII POINTS IN THE CURB & GUTTER.

STORM SEWER ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS AND CROSS SECTIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATIONS OF CONCRETE OR ASPHALT DRIVEWAYS, CONCRETE DRIVEWAYS, OR SIDE ROADS/HIGHWAYS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER IN THE FIELD OR AS SHOWN ON THE PLANS.

CURVE DATA IS BASED ON THE ARC DEFINITION.

THE LOCATION OF ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD PRIOR TO PLACEMENT.

ADJUST DITCH GRADING AS NECESSARY TO FIELD CONDITIONS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

WETLANDS ARE PRESENT WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL NOT OPERATE OR STOCKPILE EQUIPMENT BEYOND THE EXISTING TOE OF SLOPE AT STA. 95+50 - STA. 97+50, RT.

THE SOILS REPORT MAY BE OBTAINED FROM THE ENGINEER.

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

CONTACTS

DESIGN CONSULTANT:
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SPRING GREEN, WI 53588
ATTN: ELLERY SCHAFFER, P.E.
PH: (608) 459-6027
CELL: (608) 341-8159
EMAIL: ellery.schaffer@jewellassoc.com

WDNR LIAISON:
WISCONSIN DEPT. OF NATURAL RESOURCES
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
ATTN: KAREN KALVELAGE
PH: (608) 406-7880
EMAIL: karen.kalvelage@wisconsin.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION:
WISDOT PROJECT MANAGER
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
ATTN:ALEIGHA BURG, P.E.
PH: (608) 789-7894
EMAIL: Aleigha.Burg@dot.wi.gov

MONROE COUNTY HIGHWAY DEPARTMENT:
DAVID OHNSTAD, COMMISSIONER
803 WASHINGTON STREET
SPARTA, WI 54656
PH: (608) 269-8740
CELL: (608) 487-6216
EMAIL: david.ohnstad@co.monroe.wi.us

TOWN OF LAGRANGE:
JOHN GUTHRIE, CHAIRMAN
27645 ENTITY AVE
TOMAH, WI 54660
PH: (608) 343-0775
EMAIL: townoflagrangeboardchair@gmail.com

TOWN OF TOMAH:
HOWARD HANSON, CHAIRMAN
22341 CTH CM
TOMAH, WI 54660
PH: (608) 372-5483
EMAIL: townoftomah@centrytel.net

UTILITIES

ELECTRICITY

ALLIANT ENERGY
ATTN: PATRICK MCINTYRE
528 INDUSTRIAL DRIVE
TOMAH, WI 54660
PH: (608) 844-9605
EMAIL: patrickmcintyre@alliantenergy.com

OAKDALE ELECTRIC COOPERATIVE
ATTN: DAN MCGARRY
P.O. BOX 40
OAKDALE, WI 54649
PH: (608) 372-8850
CELL: (608) 343-3768
EMAIL: dmcgarry@oakdalerec.com

GAS/PETROLEUM

NORTHERN NATURAL GAS COMPANY
ATTN: LEONARD KLAAS
5911 SOUTHWEST ROAD
PLATTEVILLE, WI 53818
PH: (402) 530-2806
EMAIL: leonard.klaas@nngco.com

WE ENERGIES
ATTN: TRAVIS KAHL
1921 8TH STREET SOUTH
WISCONSIN RAPIDS, WI 54494
PH: (715) 421-7256
EMAIL: travis.kahl@we-energies.com

COMMUNICATION LINE

CENTURYLINK
ATTN: BRIAN STELPHLUGH
333 N FRONT STREET
LA CROSSE, WI 54601
PH: (608) 796-5142
EMAIL: brian.stelplugh@centurylink.com

CHARTER COMMUNICATIONS
ATTN: PERRY McCLELLAN
1228 12TH AVENUE SOUTH
P.O. BOX 279
ONALASKA, WI 54650
PH: (608) 317-6213
EMAIL: perry.mcclellan@charter.com

ROGERS COMMUNICATIONS CANADA, INC.
ATTN: VICKIE MORAN
4804 N 40TH STREET
SHEBOYGAN, WI 53083
PH: (877) 459-2690
EMAIL: vmoran@gabes.com

RAILROAD

CANADIAN PACIFIC RAILROAD
ATTN: BRIAN OSBORNE
120 SOUTH 6TH STREET, SUITE 700
MINNEAPOLIS, MN 55402
PH: (612) 330-4555
EMAIL: brian_osborne@cpr.ca

LIST OF STANDARD ABBREVIATIONS

ABUT	Abutment
AC	Acre
AGG	Aggregate
AH	Ahead
<	Angle
ASPH	Asphaltic
AVG	Average
ADT	Average Daily Traffic
BAD	Base Aggregate Dense
BK	Back
BF	Back Face
BM	Bench Mark
BR	Bridge
C or C/L	Center Line
CC	Center to Center
C.E.	Commercial Entrance
CTH	County Trunk Highway
CR	Creek
CR	Crushed
CY or CU YD	Cubic Yard
CP	Culvert Pipe
C & G	Curb and Gutter
D	Degree of Curve
DHV	Design Hour Volume
DIA	Diameter
E	East
X	East Grid Coordinate
ELEC	Electric (al)
EL or ELEV	Elevation
ESALS	Equivalent Single Axle Loads
EBS	Excavation Below Subgrade
FF	Face to Face
F.E.	Field Entrance
F	Fill
FG	Finished Grade
FL or F/L	Flow Line
FT	Foot
FTG	Footing
GN	Grid North
HT	Height
CWT	Hundredweight
HYD	Hydrant
INL	Inlet
ID	Inside Diameter
INV	Invert
IP	Iron Pipe or Pin
IRS	Iron Rod Set
JT	Joint
JCT	Junction
LHF	Left-Hand Forward
L	Length of Curve
LIN FT or LF	Linear Foot
LC	Long Chord of Curve
MH	Manhole
MB	Mailbox
ML or M/L	Match Line
N	North
Y	North Grid Coordinate
OD	Outside Diameter
PLE	Permanent Limited Easement
PT	Point
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
PVC	Polyvinyl Chloride
PCC	Portland Cement Concrete
LB	Pound
PSI	Pounds Per Square Inch
P.E.	Private Entrance
R	Radius
RR	Railroad
R	Range
RL or R/L	Reference Line
RP	Reference Point
RCCP	Reinforced Concrete Culvert Pipe
REQD	Required
RES	Residence or Residential
RW	Retaining Wall
RT	Right
RHF	Right-Hand Forward
R/W	Right-of-Way
RD	Road
R	River
RDWY	Roadway
SALV	Salvaged
SAN S	Sanitary Sewer
SEC	Section
SHLDR	Shoulder
SHR	Shrinkage
SW	Sidewalk
S	South
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
SG	Subgrade
SE	Superelevation
SL or S/L	Survey Line
SV	Septic Vent
T	Tangent
TEL	Telephone
TEMP	Temporary
TI	Temporary Interest
TLE	Temporary Limited Easement
t	Ton
T or TN	Town
TRANS	Transition
TL or T/L	Transit Line
T	Trucks (percent of)
TYP	Typical
UNCL	Unclassified
UG	Underground Cable
USH	United States Highway
VAR	Variable
V	Velocity or Design Speed
VERT	Vertical
VC	Vertical Curve
VOL	Volume
WM	Water Main
WV	Water Valve
W	West
WB	Westbound
YD	Yard

ORDER OF SECTION 2 SHEETS:

- WRITTEN MATERIAL
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- INTERSECTION DETAILS
- PAVING DETAILS
- EROSION CONTROL PLAN
- STORM SEWER PLAN
- PERMANENT SIGNING/PAVEMENT MARKING
- TRAFFIC CONTROL
- ALIGNMENT DETAILS

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA= 27.84 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 23.53 ACRES

2

2

N

BEGIN CONSTRUCTION
STA. 299'B'+90

FLAT IRON AVE.

300'B'

FINISHED C/L 'B'-LINE
(FLAT IRON AVE.)

302'B'

304'B'

R/W

35

SLOPE INTERCEPTS

40

R/W

45

50

55

60

65

BEGIN CONSTRUCTION
STA. 400'C'+00

FLAGSHIP AVE.

PACIFIC RR

R/W

402'C'

404'C'

FINISHED C/L 'C'-LINE
(FLAGSHIP AVE.)

70

75

80

R/W

R/W

MATCHLINE STA. 80+00

END CONSTRUCTION
STA. 304'B'+95.32

END CONSTRUCTION
STA. 404'C'+15.75

CANADIAN

WETLAND
DETERMINATION (TYP.)

FINISHED C/L 'A'-LINE
(GOLIATH RD.)

END CONSTRUCTION
STA. 201'A'+18.35

30

200'A'

GOLIATH RD.

201'A'

BEGIN CONSTRUCTION
STA. 200'A'+00.88

25

R/W

R/W

20

FINISHED C/L CTH ET

15

BEGIN PROJECT
STA. 11+00

NICHOLAS ST.

GONDOLA RD.

N

BEGIN CONSTRUCTION
STA. 500'D'+18.00

END PROJECT
STA. 105+50

SLOPE INTERCEPTS

95

100

FINISHED C/L CTH ET

FINISHED C/L CTH ET

90

R/W

R/W

501'D'

105

R/W

110

R/W

PACIFIC RR

STH 21

FINISHED C/L 'D'-LINE
(FLARE AVE.)

85

80

FLARE AVE.

END CONSTRUCTION
STA. 501'D'+50.00

WETLAND
DETERMINATION (TYP.)

UNION

115

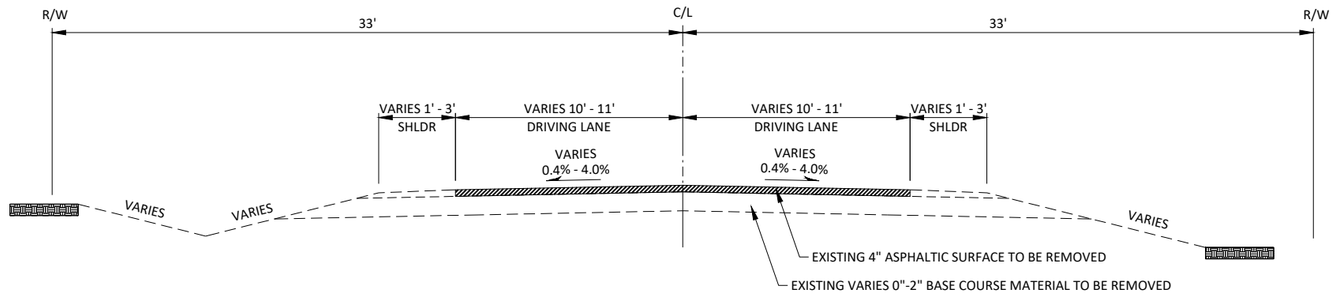
END CONSTRUCTION
STA. 115+23

MATCHLINE STA. 80+00

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PROJECT OVERVIEW	SHEET	E

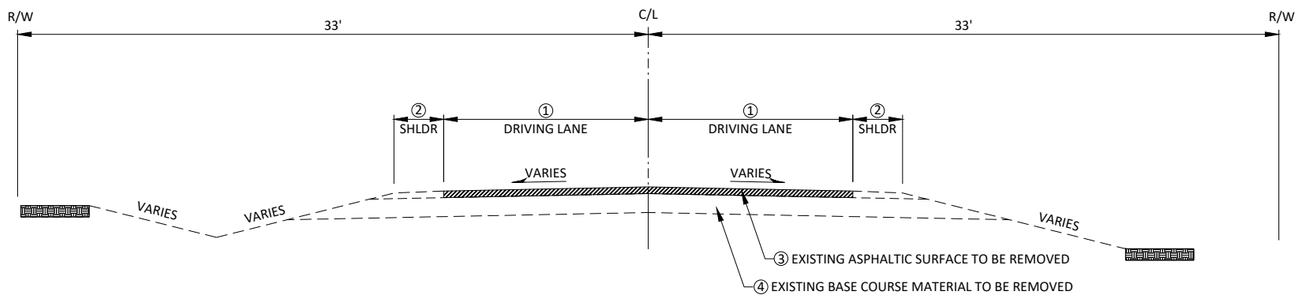
FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_PROJECT OVERVIEW.DWG PLOT DATE : 10/29/2021 2:04:19 PM PLOT BY : JONAH DRAKE PLOT SCALE : 1" = 1' LAYOUT : PROJECT OVERVIEW

2



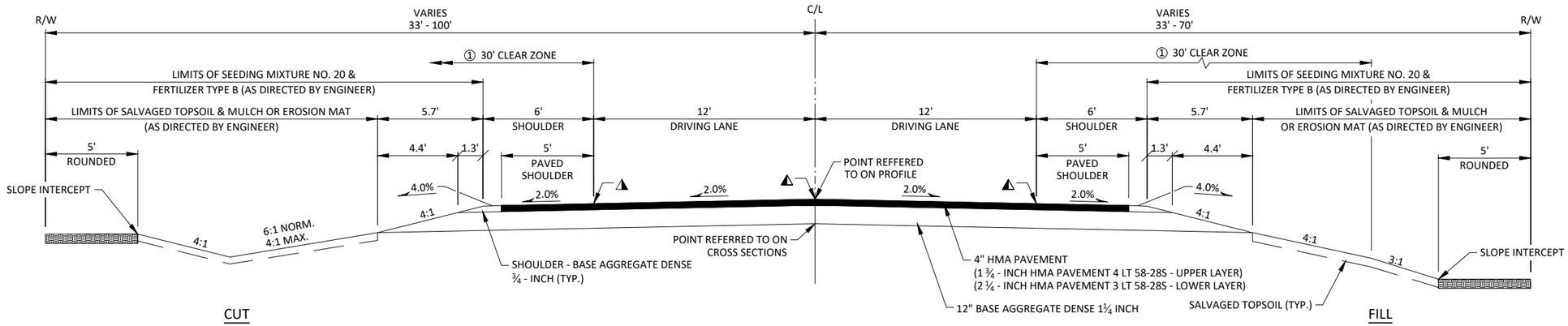
TYPICAL EXISTING SECTION

CTH ET
STA. 11+00 - STA. 105+50



TYPICAL EXISTING SECTION

SIDEROAD	LOCATION	① (FT.)	② (FT.)	③ (INCH)	④ (INCH)
'A'-LINE (GOLIATH RD.)	STA. 200'A'+00.88 - STA. 201'A'+18.35	9'	VARIES 0'-2'	DEPTH UNKNOWN	DEPTH UNKNOWN
'B'-LINE (FLAT IRON AVE.)	STA. 299'B'+90 - STA. 304'B'+95.32	10'	VARIES 0'-1'	4"	0"
'C'-LINE (FLAGSHIP AVE.)	STA. 400'C'+00 - STA. 404'C'+15.75	10'	VARIES 0'-2'	DEPTH UNKNOWN	DEPTH UNKNOWN
'D'-LINE (FLARE AVE.)	STA. 500'D'+18 - STA. 501'D'+50	10'	VARIES 2'-3'	DEPTH UNKNOWN	DEPTH UNKNOWN



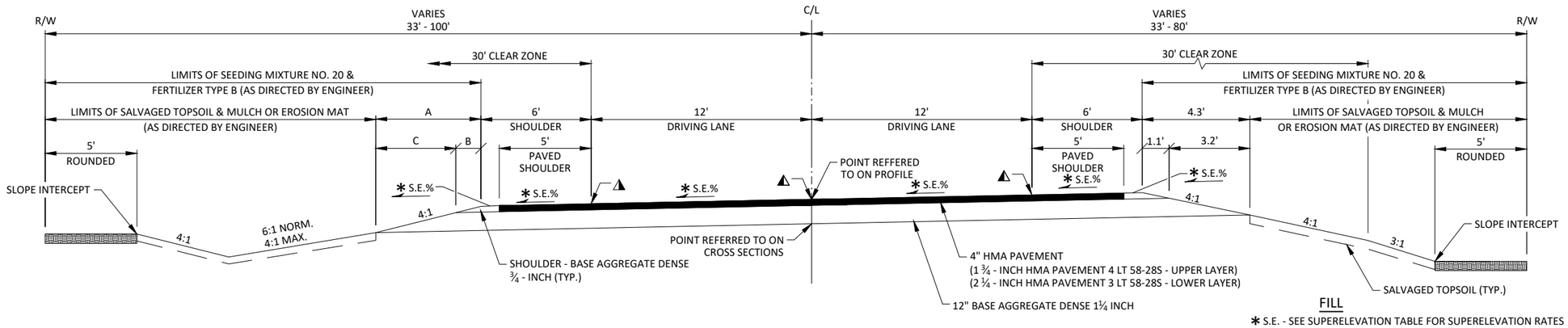
TYPICAL FINISHED SECTION

CTH ET

STA. 11+00 - STA. 11+80	STA. 59+40 - STA. 66+18, RT
STA. 16+00 - STA. 27+92, LT	STA. 80+40 - STA. 82+67
STA. 15+50 - STA. 17+73, RT	STA. 87+66 - STA. 91+88, RT
STA. 22+50 - STA. 27+92, RT	STA. 88+50 - STA. 91+88, LT
STA. 37+98 - STA. 44+50, LT	STA. 98+20 - STA. 105+50, RT
STA. 37+98 - STA. 56+40, RT	STA. 98+20 - STA. 101+70, LT
STA. 47+50 - STA. 68+43, LT	STA. 104+05 - STA. 105+50, LT

① 14' CLEAR ZONE
- STA. 11+00 - STA. 11+80

⚠ ASPHALTIC CENTERLINE RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL & ASPHALTIC SHOULDER RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL REQ'D (EXCEPT STA 11+00 - STA. 15+32). SEE MISCELLANEOUS QUANTITIES AND CONSTRUCTION DETAILS.



TYPICAL FINISHED SUPERELEVATED SECTION

CTH ET

STA. 27+92 - STA. 37+98	STA. 82+67 - STA. 87+66, RT
✱✱ STA. 68+43 - STA. 69+77	STA. 82+67 - STA. 84+50, LT
STA. 71+50 - STA. 80+40, LT	STA. 91+88 - STA. 98+20, RT
STA. 71+50 - STA. 77+50, RT	STA. 91+88 - STA. 92+30, LT
STA. 80+25 - STA. 80+40, RT	STA. 95+20 - STA. 98+20, LT

✱ S.E. - SEE SUPERELEVATION TABLE FOR SUPERELEVATION RATES

✱✱ STA. 68+43 - STA. 68+50, RT. - CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J REQ'D.

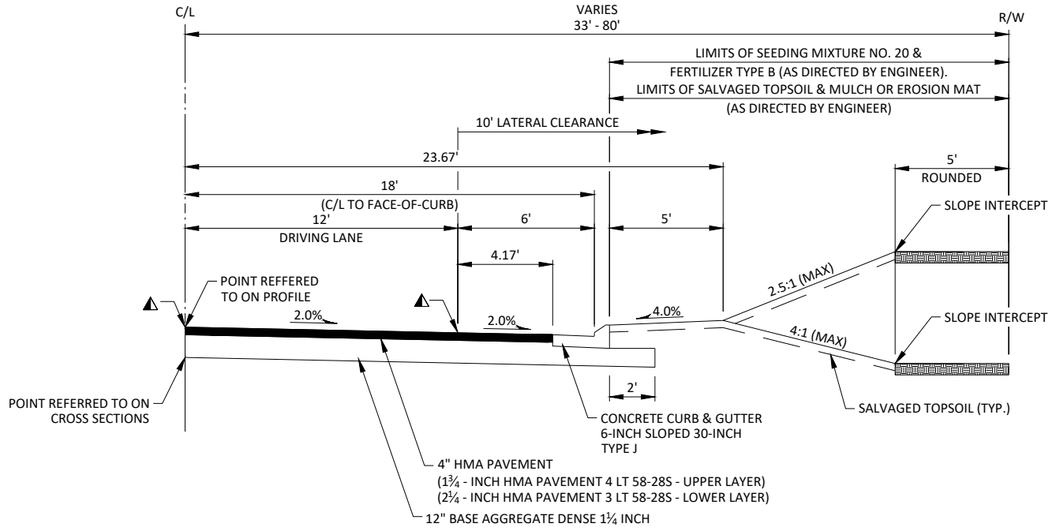
A/B/C - SEE SUPERELEVATION TABLE FOR DIMENSIONS

⚠ ASPHALTIC CENTERLINE RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL & ASPHALTIC SHOULDER RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL REQ'D (EXCEPT STA 11+00 - STA. 15+32). SEE MISCELLANEOUS QUANTITIES AND CONSTRUCTION DETAILS.

THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS THE SUPERELEVATION WHEN GREATER THAN 0.04 FT./FT. IF THE SUPERELEVATION IS LESS THAN OR EQUALS 0.04 FT./FT., THEN THE LOW SIDE SHOULDER SLOPE IS 0.04 FT./FT. THE HIGH SIDE SHOULDER SLOPE ON THE SUPERELEVATED SECTION EQUALS THE SUPERELEVATION.

NOTE: 4:1 FORESLOPE/ 6:1 BACKSLOPE -
STA. 48+50 - STA. 51+50, LT
STA. 106+50 - STA. 109+50, LT

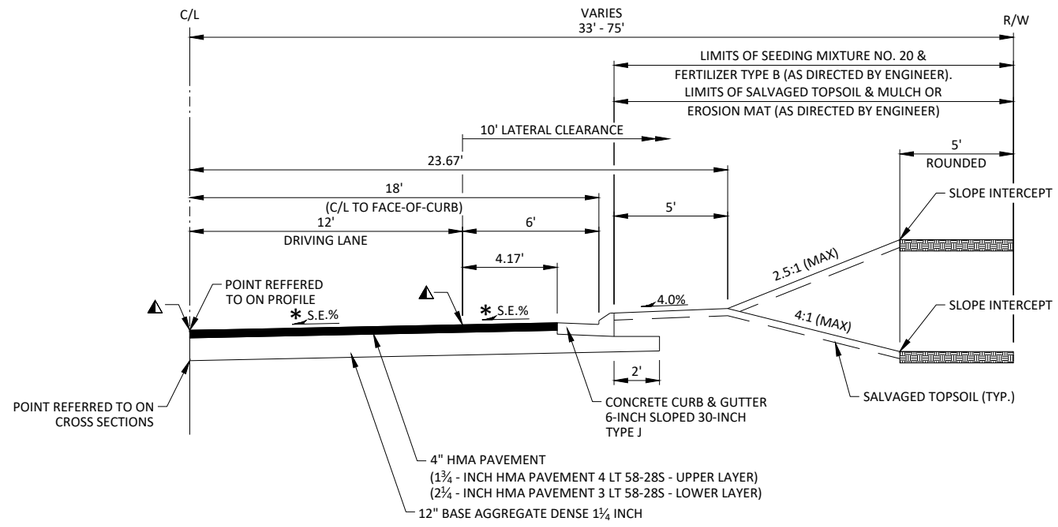
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	TYPICAL FINISHED SECTIONS	SHEET 5	E



TYPICAL FINISHED HALF URBAN SECTION

CTH ET
STA. 11+80 - STA. 16+00, LT
STA 11+80 - STA. 15+50, RT
STA. 17+73 - STA. 22+50, RT
STA. 44+50 - STA. 47+50, LT
STA. 56+40 - STA. 59+50, RT
STA. 66+18 - STA. 68+43, RT
STA. 87+66 - STA. 88+50, LT
STA. 101+70 - STA. 104+05, LT

⚠ ASPHALTIC CENTERLINE RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL & ASPHALTIC SHOULDER RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL REQ'D (EXCEPT STA 11+00 - STA. 15+32). SEE MISCELLANEOUS QUANTITIES AND CONSTRUCTION DETAILS.



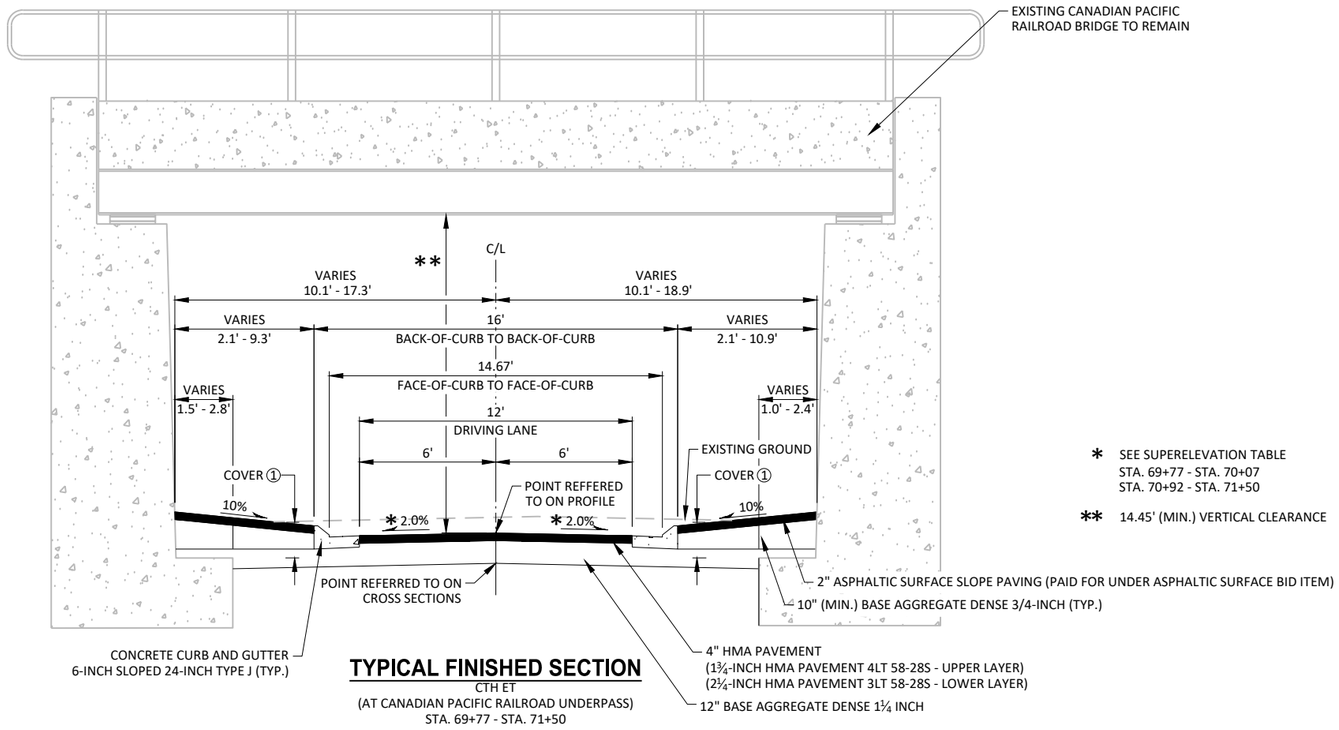
TYPICAL FINISHED HALF SUPERELEVATED SECTION

CTH ET
STA. 77+50 - STA. 80+25, RT
STA. 84+50 - STA. 87+66, LT
STA. 92+30 - STA. 95+20, LT

⚠ ASPHALTIC CENTERLINE RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL & ASPHALTIC SHOULDER RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL REQ'D (EXCEPT STA 11+00 - STA. 15+32). SEE MISCELLANEOUS QUANTITIES AND CONSTRUCTION DETAILS.

* S.E. - SEE SUPERELEVATION TABLE FOR SUPERELEVATION RATES

2



* SEE SUPERELEVATION TABLE
STA. 69+77 - STA. 70+07
STA. 70+92 - STA. 71+50

** 14.45' (MIN.) VERTICAL CLEARANCE

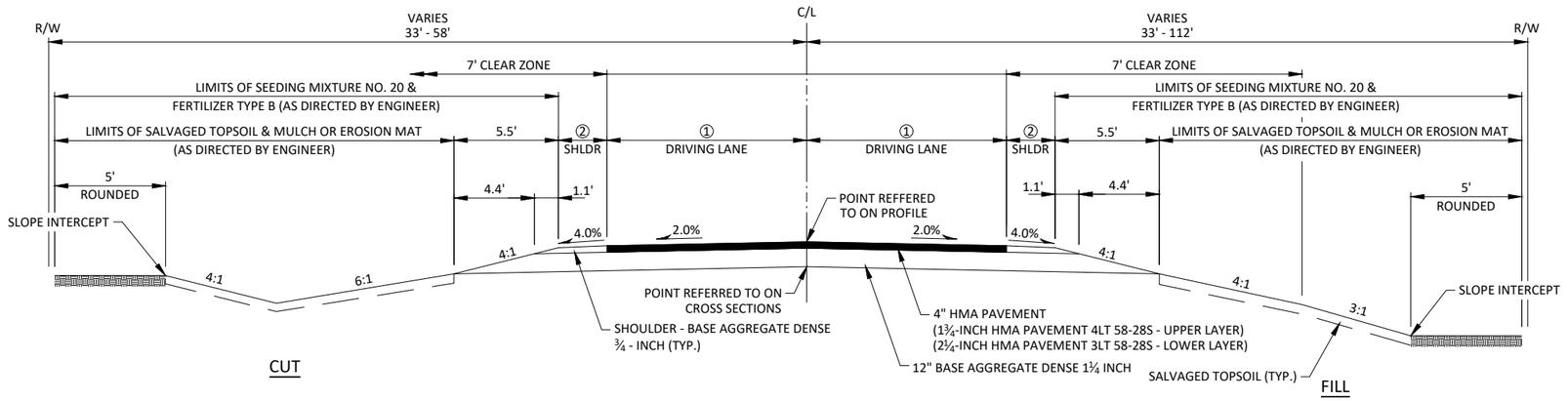
TYPICAL FINISHED SECTION

CTH ET
(AT CANADIAN PACIFIC RAILROAD UNDERPASS)
STA. 69+77 - STA. 71+50

SOIL BORING INFORMATION AT CP STRUCTURE

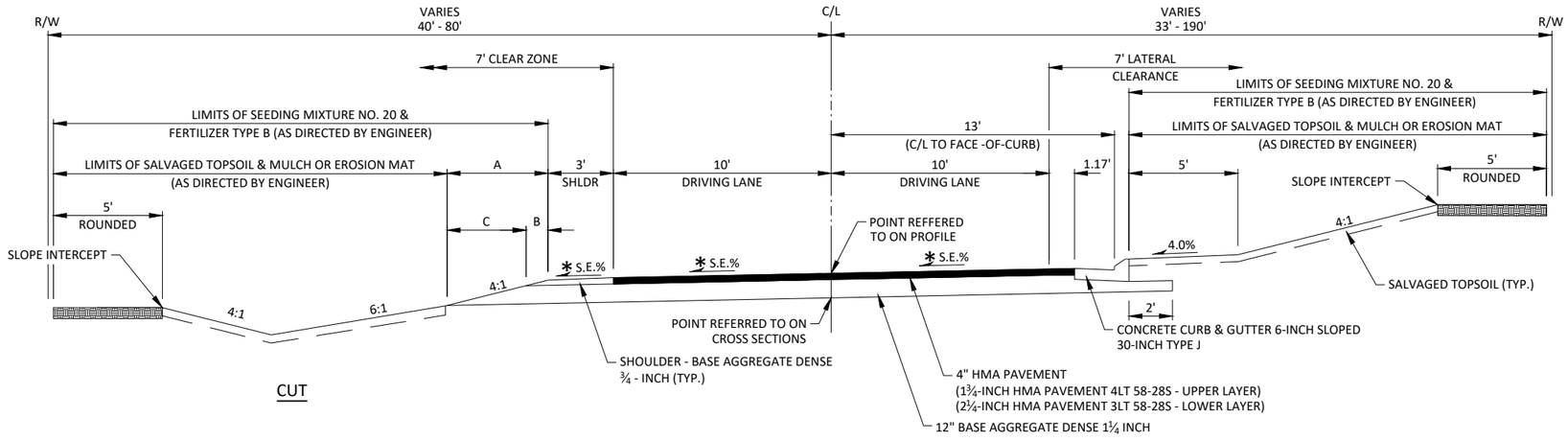
STATION	LOCATION	DESCRIPTION	EXISTING GROUNDLINE AT TOP OF FOOTING	FINISHED GROUNDLINE AT TOP OF FOOTING	TOP OF EXISTING FOOTING	EXISTING COVER (MIN) OVER TOP OF FOOTING (FT)	① FINISHED COVER (MIN) OVER TOP OF FOOTING (FT)
70+24	MAINLINE, 13.9' LT.	TOP OF PILE CAP	995.71	995.98	995.50	0.21	0.48
70+47	MAINLINE, 8.9' LT.	TOP OF FOOTING	994.46	994.53	994.10	0.36	0.43
70+73	MAINLINE, 11.9' LT.	TOP OF FOOTING	993.43	993.30	992.53	0.90	0.77
70+21	MAINLINE, 10.5' RT.	TOP OF FOOTING	995.95	995.81	995.55	0.40	0.26
70+45	MAINLINE, 9.8' RT.	TOP OF FOOTING	994.62	994.68	993.72	0.90	0.96
70+73	MAINLINE, 16.1' RT.	TOP OF FOOTING	993.34	994.21	992.81	0.53	1.40

2



TYPICAL FINISHED SECTION

SIDEROAD NAME	(STATION - STATION)	① (FT.)	② (FT.)
'A'-LINE (GOLIATH RD)	STA. 200'A'+00.88 - STA. 201'A'+18.35	9	2
'D'-LINE (FLARE AVE.)	STA. 500'D'+18 - STA. 501'D'+50	10	3



TYPICAL FINISHED SUPERELEVATED SECTION

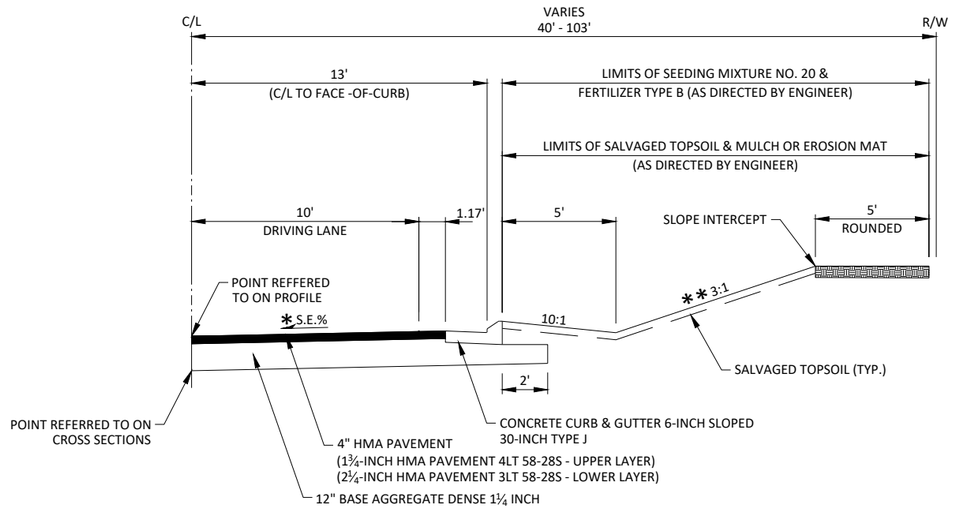
'B'-LINE (FLAT IRON AVE.)
STA. 300'B'+00 - STA. 304'B'+95.32, LT
STA. 300'B'+00 - STA. 302'B'+26,RT
STA. 303'B'+86 - STA. 304'B'+95.32,RT

✱ S.E. - SEE SUPERELEVATION TABLE FOR SUPERELEVATION RATES
NOTE:- STA. 300'B'+00 - STA. 301'B'+90 - NORMAL CROWN

A/B/C - SEE SUPERELEVATION TABLE FOR DIMENSIONS

THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS THE SUPERELEVATION WHEN GREATER THAN 0.04 FT./FT. IF THE SUPERELEVATION IS LESS THAN OR EQUALS 0.04 FT./FT., THEN THE LOW SIDE SHOULDER SLOPE IS 0.04 FT./FT. THE HIGH SIDE SHOULDER SLOPE ON THE SUPERELEVATED SECTION EQUALS THE SUPERELEVATION.

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	TYPICAL FINISHED SECTIONS	SHEET 8	E

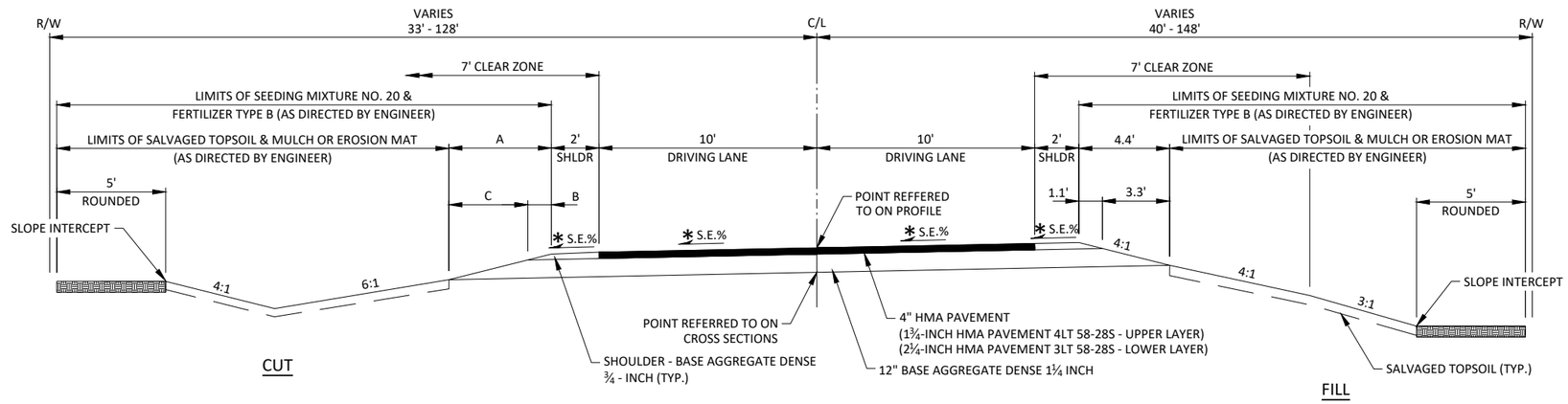


TYPICAL HALF FINISHED SUPERELEVATED URBAN SECTION WITH DITCH

STA. 302'B'+26 - STA. 303'B'+86, RT

* S.E. - SEE SUPERELEVATION TABLE FOR SUPERELEVATION RATES

** STA. 302'B'+75 - STA. 303'B'+25, RT - 2.0:1 (MAX)



TYPICAL FINISHED SECTION

'C'-LINE (FLAGSHIP AVE)
STA. 400'C'+00 - STA. 404'C'+15.75

* S.E. - SEE SUPERELEVATION TABLE FOR SUPERELEVATION RATES

A/B/C - SEE SUPERELEVATION TABLE FOR DIMENSIONS

THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS THE SUPERELEVATION WHEN GREATER THAN 0.04 FT./FT. IF THE SUPERELEVATION IS LESS THAN OR EQUALS 0.04 FT./FT., THEN THE LOW SIDE SHOULDER SLOPE IS 0.04 FT./FT. THE HIGH SIDE SHOULDER SLOPE ON THE SUPERELEVATED SECTION EQUALS THE SUPERELEVATION.

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	TYPICAL FINISHED SECTIONS	SHEET 9	E

SUPERELEVATION TABLE-CURVE 1

MAINTAIN NORMAL CROWN THROUGH CURVE 1

SUPERELEVATION TABLE-CURVE 2

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
27+92	◄ 2.0	2.0 ►	5.7	1.3	4.4
28+00	◄ 1.6	2.0 ►	5.7	1.3	4.4
28+50	0.8 ►	2.0 ►	5.7	1.3	4.4
29+00	3.2 ►	3.2 ►	6.1	1.5	4.6
29+50	5.6 ►	5.6 ►	6.9	1.7	5.2
29+57	6.0 ►	6.0 ►	7.0	1.7	5.3
FULL SUPERELEVATION					
36+33	6.0 ►	6.0 ►	7.0	1.7	5.3
36+50	5.2 ►	5.2 ►	6.7	1.7	5.0
37+00	2.8 ►	2.8 ►	6.0	1.5	4.5
37+50	0.3 ►	2.0 ►	5.7	1.3	4.4
37+98	◄ 2.0	2.0 ►	5.7	1.3	4.4

SUPERELEVATION TABLE-CURVE 3

MAINTAIN NORMAL CROWN THROUGH CURVE 3

SUPERELEVATION TABLE-CURVE 4

MAINTAIN NORMAL CROWN THROUGH CURVE 4

SUPERELEVATION TABLE-CURVE 5

MAINTAIN NORMAL CROWN THROUGH CURVE 5

SUPERELEVATION TABLE-CURVE 6

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
68+43	◄ 2.0	2.0 ►	5.7	1.3	4.4
68+50	◄ 1.7	2.0 ►	5.7	1.3	4.4
69+00	0.7 ►	2.0 ►	5.7	1.3	4.4
69+25	2.0 ►	2.0 ►	5.7	1.3	4.4
69+50	0.8 ►	2.0 ►	5.7	1.3	4.4
70+00	◄ 1.7	2.0 ►	5.7	1.3	4.4
70+07	◄ 2.0	2.0 ►	5.7	1.3	4.4

— WINGWALL - CANADIAN PACIFIC RAILROAD BRIDGE

SUPERELEVATION TABLE-CURVE 7

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
70+92	◄ 2.0	2.0 ►	5.7	1.3	4.4
71+00	◄ 2.0	1.7 ►	5.7	1.3	4.4
71+50	◄ 2.0	◄ 0.2	5.7	1.3	4.4
71+97	◄ 2.0	◄ 2.0	5.7	1.3	4.4

— WINGWALL - CANADIAN PACIFIC RAILROAD BRIDGE

SUPERELEVATION TABLE-CURVE 8

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
71+97	◄ 2.0	◄ 2.0	5.7	1.3	4.4
72+00	◄ 2.1	◄ 2.1	5.7	1.3	4.4
72+50	◄ 3.9	◄ 3.9	6.3	1.6	4.7
73+00	◄ 5.8	◄ 5.8	6.9	1.7	5.2
73+05	◄ 6.0	◄ 6.0	7.0	1.7	5.3
FULL SUPERELEVATION					
74+22	◄ 6.0	◄ 6.0	7.0	1.7	5.3

SUPERELEVATION TABLE-CURVE 9

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
74+22	◄ 6.0	◄ 6.0	7.0	1.7	5.3
FULL SUPERELEVATION					
76+39	◄ 6.0	◄ 6.0	7.0	1.7	5.3
76+50	◄ 5.5	◄ 5.5	6.8	1.7	5.1
77+00	◄ 3.2	◄ 3.2	6.1	1.5	4.6
77+50	◄ 1.0	◄ 1.0	5.6	1.4	4.2
77+72	0.0	0.0	5.3	1.3	4.0

SUPERELEVATION TABLE-CURVE 10

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
77+72	0.0	0.0	5.3	1.3	4.0
78+00	1.0 ►	1.0 ►	5.6	1.4	4.2
78+50	2.9 ►	2.9 ►	6.0	1.5	4.5
78+79	4.2 ►	4.2 ►	6.4	1.6	4.8
79+00	3.2 ►	3.2 ►	6.1	1.5	4.6
79+50	1.4 ►	2.0 ►	5.7	1.3	4.4
80+00	◄ 0.5	2.0 ►	5.7	1.3	4.4
80+40	◄ 2.0	2.0 ►	5.7	1.3	4.4

SUPERELEVATION TABLE-CURVE 11

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
82+67	◄ 2.0	2.0 ►	5.7	1.3	4.4
83+00	◄ 2.0	0.4 ►	5.7	1.3	4.4
83+50	◄ 2.1	◄ 2.1	5.7	1.3	4.4
84+00	◄ 4.5	◄ 4.5	6.5	1.6	4.9
84+32	◄ 6.0	◄ 6.0	7.0	1.7	5.3
FULL SUPERELEVATION					
86+03	◄ 6.0	◄ 6.0	7.0	1.7	5.3
86+50	◄ 3.7	◄ 3.7	6.3	1.6	4.7
87+00	◄ 2.0	◄ 1.3	5.7	1.3	4.4
87+50	◄ 2.0	◄ 1.1	5.7	1.3	4.4
87+66	◄ 2.0	2.0 ►	5.7	1.3	4.4

SUPERELEVATION TABLE-CURVE 12

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
91+88	◄ 2.0	2.0 ►	5.7	1.3	4.4
92+00	◄ 1.4	2.0 ►	5.7	1.3	4.4
92+50	1.0 ►	2.0 ►	5.7	1.3	4.4
93+00	3.4 ►	3.4 ►	6.1	1.5	4.6
93+50	5.9 ►	5.9 ►	7.0	1.7	5.3
93+53	6.0 ►	6.0 ►	7.0	1.7	5.3
FULL SUPERELEVATION					
96+55	6.0 ►	6.0 ►	7.0	1.7	5.3
97+00	3.8 ►	3.8 ►	6.3	1.6	4.7
97+50	1.4 ►	2.0 ►	5.7	1.3	4.4
98+00	◄ 1.0	2.0 ►	5.7	1.3	4.4
98+20	◄ 2.0	2.0 ►	5.7	1.3	4.4

SUPERELEVATION TABLE-CURVE 14

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
301'B'+90	◄ 2.0	2.0 ►	5.6	1.2	4.4
302'B'+00	◄ 2.0	1.4 ►	5.6	1.2	4.4
302'B'+50	◄ 2.0	◄ 1.5	5.6	1.2	4.4
303'B'+00	◄ 4.4	◄ 4.4	6.5	1.6	4.9
303'B'+27	◄ 6.0	◄ 6.0	7.0	1.7	5.3
FULL SUPERELEVATION					
303'B'+58	◄ 6.0	◄ 6.0	7.0	1.7	5.3
304'B'+00	◄ 3.5	◄ 3.5	6.2	1.5	1.7
304'B'+50	0.3 ►	0.3 ►	5.4	1.3	4.1
304'B'+95.32	0.3 ►	0.3 ►	5.4	1.3	4.1

SUPERELEVATION TABLE-CURVE 15

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
400'C'+00	MATCH EXISTING	MATCH EXISTING			
400'C'+50	◄ 0.5	2.0 ►	5.7	1.3	4.4
401'C'+00	0.9 ►	2.0 ►	5.7	1.3	4.4
401'C'+37	2.0 ►	2.0 ►	5.7	1.3	4.4
401'C'+50	1.7 ►	1.7 ►	5.7	1.3	4.4
402'C'+00	0.5 ►	0.5 ►	5.5	1.3	4.2
402'C'+20	0.0	0.0	5.3	1.3	4.0

SUPERELEVATION TABLE-CURVE 16

STATION	LEFT(%)	RIGHT(%)	A (FT)	B (FT)	C (FT)
402'C'+20	0.0	0.0	5.3	1.3	4.0
402'C'+50	◄ 1.5	◄ 1.5	5.7	1.4	4.3
403'C'+00	◄ 4.0	◄ 4.0	6.4	1.6	4.8
403'C'+23	◄ 5.1	◄ 5.1	6.7	1.7	5.0
403'C'+50	◄ 5.1	◄ 5.1	6.7	1.7	5.0
404'C'+00	◄ 5.1	◄ 5.1	6.7	1.7	5.0
404'C'+15.75	◄ 5.1	◄ 5.1	6.7	1.7	5.0

NOTE: CURVE 17 HAS BEEN REMOVED FROM PLAN

SUPERELEVATION TABLE-CURVE 18

P.E. - MAINTAIN NORMAL CROWN THROUGH CURVE 18

SUPERELEVATION TABLE-CURVE 19

P.E. - MAINTAIN NORMAL CROWN THROUGH CURVE 19

SUPERELEVATION TABLE-CURVE 20

P.E. - MAINTAIN NORMAL CROWN THROUGH CURVE 20

2

SOIL BORING DATA

BORING	STATION	OFFSET	DEPTH	SUBSURFACE DATA (ASCENDING ORDER)
1*	303'B'+00	2' LT	12'	0.3' - EXISTING ASPHALT 1.7' - FILL, SILTY SAND, FINE TO MEDIUM GRAINED, A LITTLE GRAVEL, BROWN, MOIST, WITH COBBLES (SM) 2' - CLAYEY SAND, FINE TO MEDIUM GRAINED, BROWN, MOIST (SC) 8' - SAND WITH SILT, FINE GRAINED, YELLOWISH BROWN AND BROWN, MOIST (SP-SM)
2	57+00	5' RT	7'	0.3' - EXISTING ASPHALT 0.9' - FILL, SAND WITH SILT, FINE GRAINED, ORANGISH BROWN, MOIST (SP-SM) 1.3' - CLAYEY SAND, DARK BROWN, MOIST, WITH LENSES OF LEAN CLAY (SC) 4.5' - SAND, FINE GRAINED, BROWN AND YELLOWISH BROWN, MOIST (SP)
3	403'C'+00	0' LT	15'	0.7' - LEAN CLAY WITH ORGANICS, DARK BROWN (OL) 3.3' - LEAN CLAY, BROWN WITH TRACE ROOTS (CL) 2.5' - LEAN CLAY, BROWN (CL) 5.5' - SAND, FINE GRAINED, YELLOW TO BROWN, MOIST (SP) 2' - SAND, FINE TO MEDIUM GRAINED, BROWN, MOIST (SP)
4	86+00	7' LT	8'	0.3' - EXISTING ASPHALT 0.2' - FILL, GRAVELY SAND WITH SILT, FINE TO COARSE GRAINED, OLIVE BROWN, MOIST (SP-SM) 0.8' - FILL, SAND WITH SILT, FINE TO MEDIUM GRAINED, BROWN, MOIST (SP-SM) 2.7' - SILTY SAND, FINE GRAINED, BROWN, MOIST (SM) 3' - SAND, FINE GRAINED, YELLOWISH BROWN, MOIST (SP) 1.5' - SAND, FINE TO MEDIUM GRAINED, YELLOWISH BROWN, MOIST (SP)

NOTE: SEE TYPICAL FINISHED SECITON SHEET FOR SOIL BORING INFORMATION AT THE CANADIAN PACIFIC RAILROAD UNDERPASS.

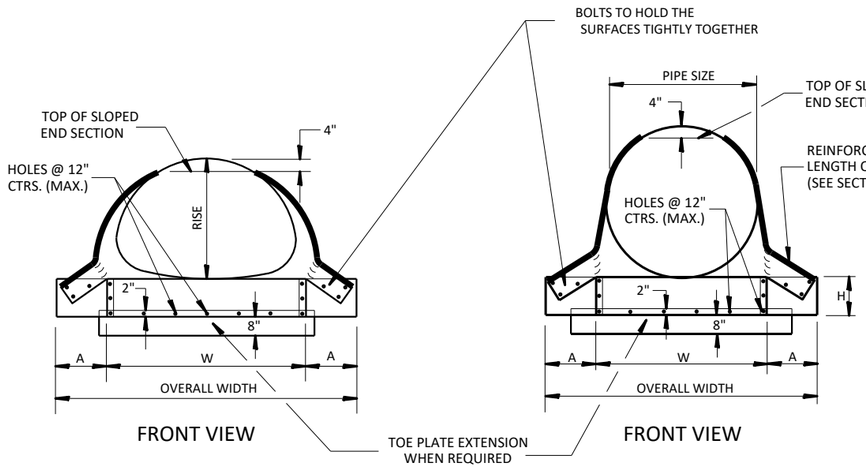
* ALTHOUGH THE SOIL BORING DATA DOES NOT INDICATE ROCK ALONG FLAT IRON AVENUE, BASED ON LOCAL KNOWLEDGE, RIPPABLE ROCK MAY BE LOCATED IN THE VICINITY. SINCE THE LOCATION OF ROCK IS UNKNOWN, ALL FLAT IRON AVENUE EARTHWORK HAS BEEN CLASSIFIED AS EXCAVATION COMMON.

HILLSIDE ENBANKMENT CUTS

STATION	OFFSET	DEPTH	BEDROCK EXCAVATED (Y/N) - DEPTH
20+00	35' RT	6'	N - N/A
46+00	41' LT	8'	Y - 2'
78+00	36' RT	6'	Y - 3'
86+00	39' LT	10'	Y - 2'

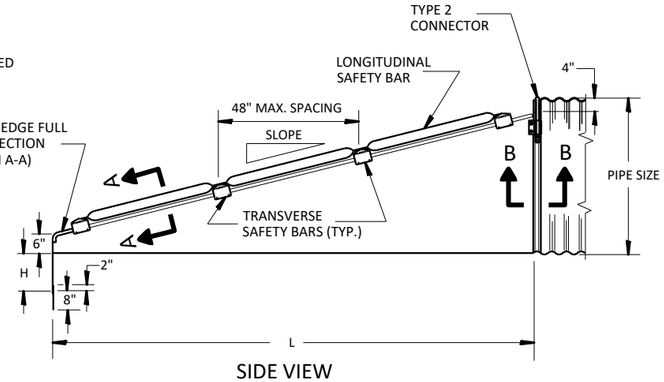
CULVERT LAYOUT TABLE

STATION	LOCATION	UPSTREAM				DOWNSTREAM			
		STATION	OFFSET	Y	X	STATION	OFFSET	Y	X
11+11	MAINLINE	11+13.78	23.86'	394,893.52	698,815.96	11+08.45	-25.85'	394,843.86	698,821.78
17+56	MAINLINE	17+56.69	40.00'	394,903.31	698,172.93	17+55.52	-50.00'	394,813.33	698,174.98
25+81	MAINLINE	25+80.50	27.00'	394,878.92	697,349.20	25+80.47	-29.00'	394,822.92	697,350.03
25+89	MAINLINE	25+88.83	27.00'	394,878.80	697,340.87	25+88.80	-29.00'	394,822.80	697,341.70
25+97	MAINLINE	25+97.16	27.00'	394,878.68	697,332.54	25+97.14	-29.00'	394,822.69	697,333.37
34+50	MAINLINE	34+61.82	-29.46'	395,103.70	696,546.07	34+35.10	30.93'	395,108.41	696,611.90
48+38	MAINLINE	48+40.21	-36.94'	396,486.30	696,459.75	48+35.00	50.91'	396,483.02	696,547.69
64+50	MAINLINE	64+52.07	-29.95'	398,098.15	696,441.38	64+48.28	35.94'	398,095.69	696,507.34
69+64	MAINLINE	69+75.02	-24.85'	398,623.56	696,431.67	69+50.62	27.83'	398,595.89	696,482.65
69+72	MAINLINE	69+82.43	-24.85'	398,631.30	696,432.43	69+58.87	28.21'	398,603.64	696,483.40
69+80	MAINLINE	69+90.19	-24.85'	398,639.02	696,433.24	69+67.10	28.52'	398,611.35	696,484.21
74+67	MAINLINE	74+68.77	-21.97'	399,112.77	696,435.06	74+65.60	31.95'	399,112.86	696,489.06
82+89	MAINLINE	82+87.57	-28.94'	399,891.41	696,209.97	82+91.82	36.92'	399,914.46	696,271.81
91+88	MAINLINE	91+90.85	-34.88'	400,568.09	695,660.70	91+85.02	34.88'	400,614.13	695,713.43
100+56	MAINLINE	100+54.32	-23.96'	401,379.47	695,423.97	100+57.37	29.95'	401,382.97	695,477.86
100+65	MAINLINE	100+64.09	-23.96'	401,389.24	695,423.89	100+67.36	33.95'	401,392.99	695,481.77
100+75	MAINLINE	100+73.85	-23.96'	401,399.00	695,423.81	100+77.36	37.94'	401,403.02	695,485.68
104+53	MAINLINE	104+52.98	-24.00'	401,778.13	695,420.66	104+52.57	30.00'	401,778.16	695,474.66
200'A'+80	GOLIATH RD	200'A'+75.65	-34.70'	394,785.72	697,043.05	200'A'+84.63	38.70'	394,798.15	697,116.00
403'C'+85	FLAGSHIP AVE	403'C'+85.28	34.00'	398,381.34	696,410.11	403'C'+86.25	-54.00'	398,469.13	696,416.15



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

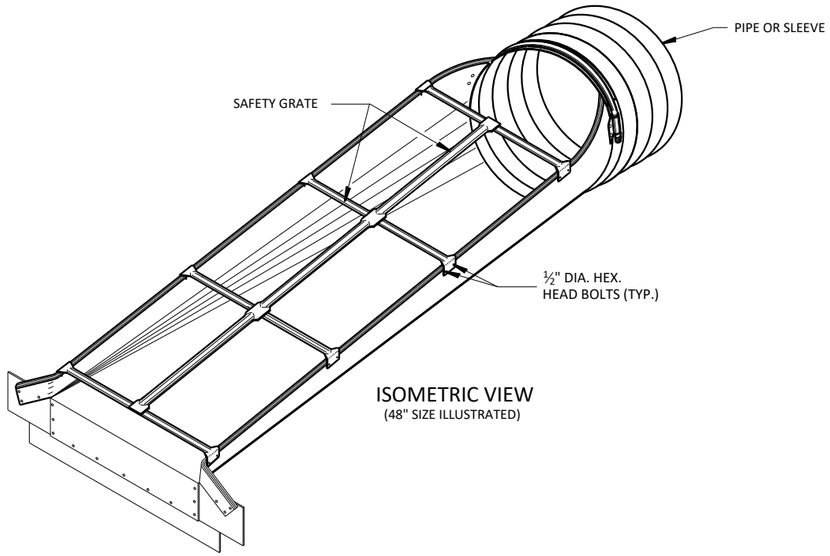
GENERAL NOTES

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.

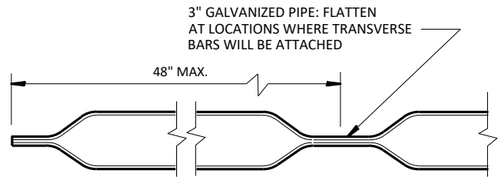
SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS.

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.

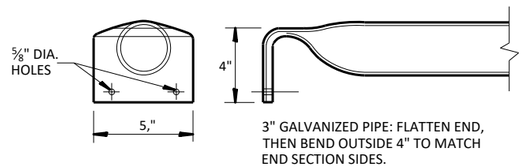


ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)

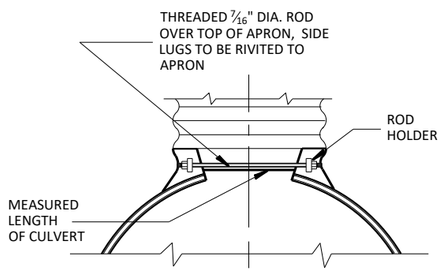


LONGITUDINAL SAFETY BAR

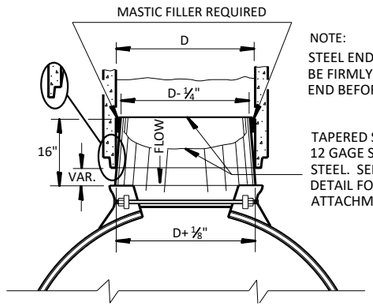
STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS												
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
72	83	57	.109	12	16	12	89	121	4:1	188	6:1	282



TRANSVERSE SAFETY BAR



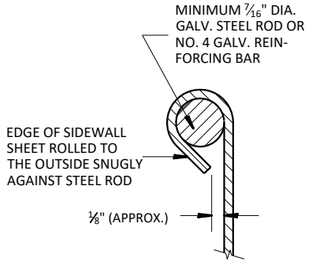
TYPE 2 CONNECTOR DETAIL



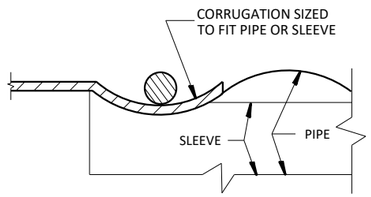
NOTE:
STEEL END SECTION SHALL BE FIRMLY WEDGED INTO PIPE END BEFORE BACKFILLING

TAPERED SLEEVE TO BE 12 GAGE SMOOTH GALVANIZED STEEL. SEE SECTION B-B DETAIL FOR END SECTION ATTACHMENT.

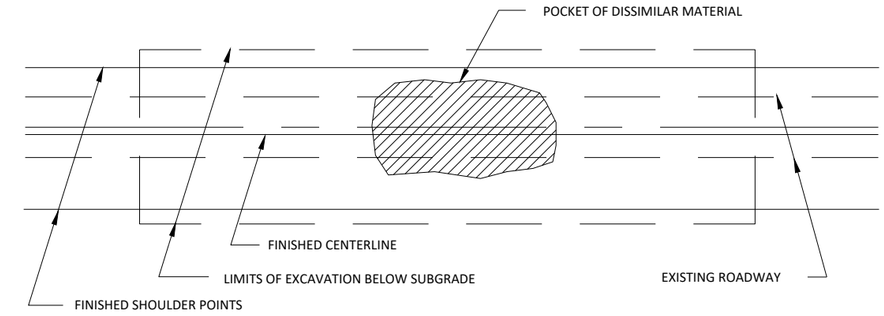
STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



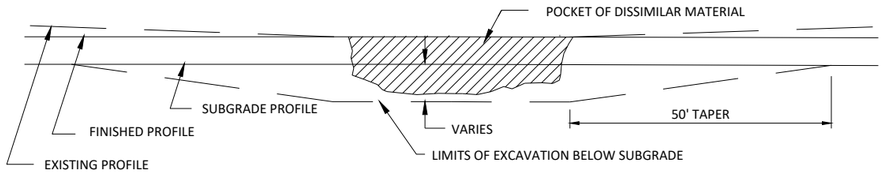
SECTION A-A



SECTION B-B

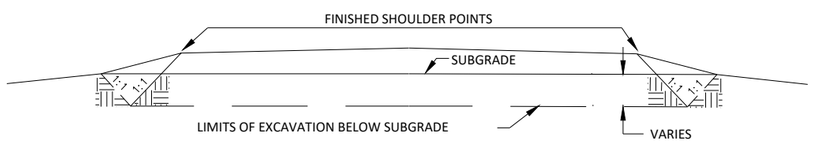


PLAN VIEW



PROFILE VIEW

RURAL EXCAVATION BELOW SUBGRADE (E.B.S.)



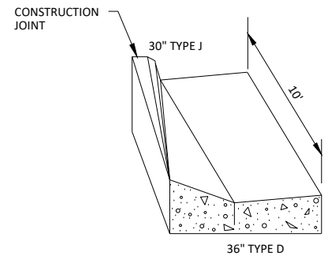
CROSS SECTION VIEW

1. EXACT LOCATION OF E.B.S. (EXCAVATION BELOW SUBGRADE) SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

2. E.B.S. AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER. BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

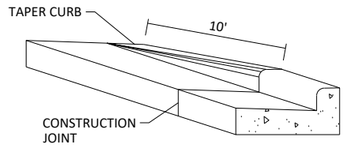
3. THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED. LATERAL LIMITS OF EXCAVATION SHALL BE THE SUBGRADE SHOULDER POINTS.

2

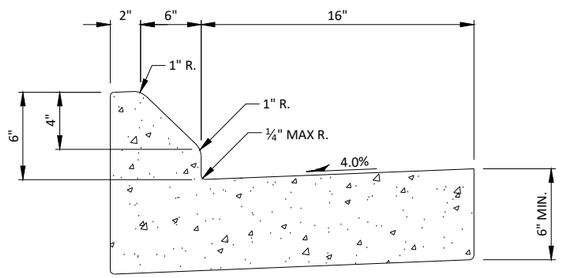


CURB & GUTTER TRANSITION DETAIL

PAID FOR AS CONCRETE CURB & GUTTER 36-INCH TYPE D

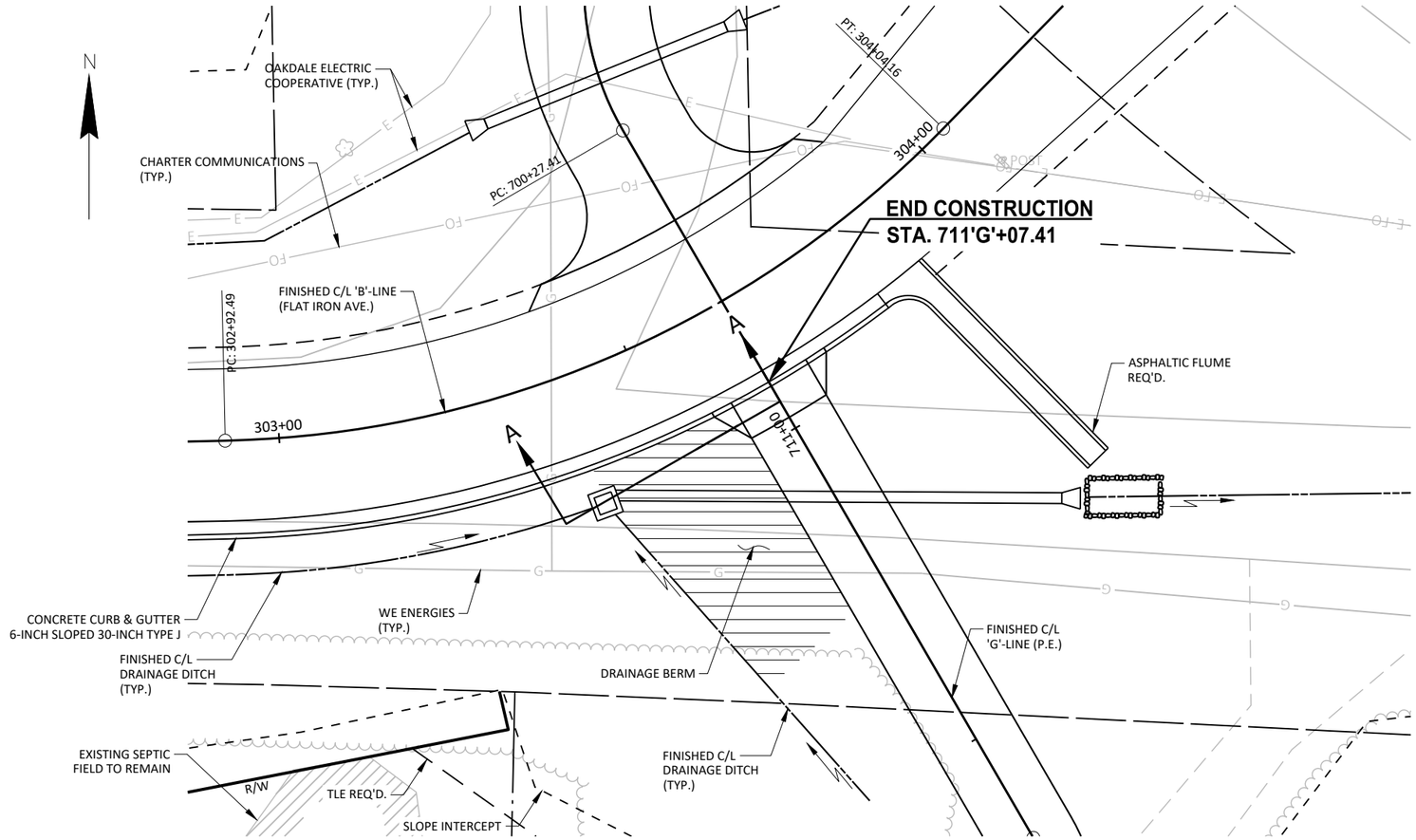


DETAIL OF CURB & GUTTER TERMINI



CONCRETE CURB & GUTTER 6-INCH SLOPED 24-INCH TYPE J

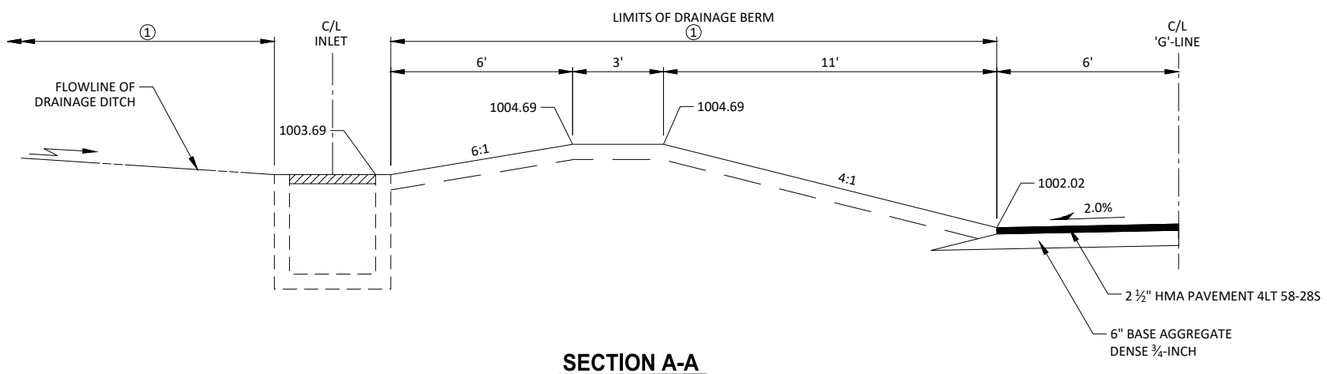
2



LEGEND

DIRECTION OF FLOW

DRAINAGE BERM 'G'-LINE

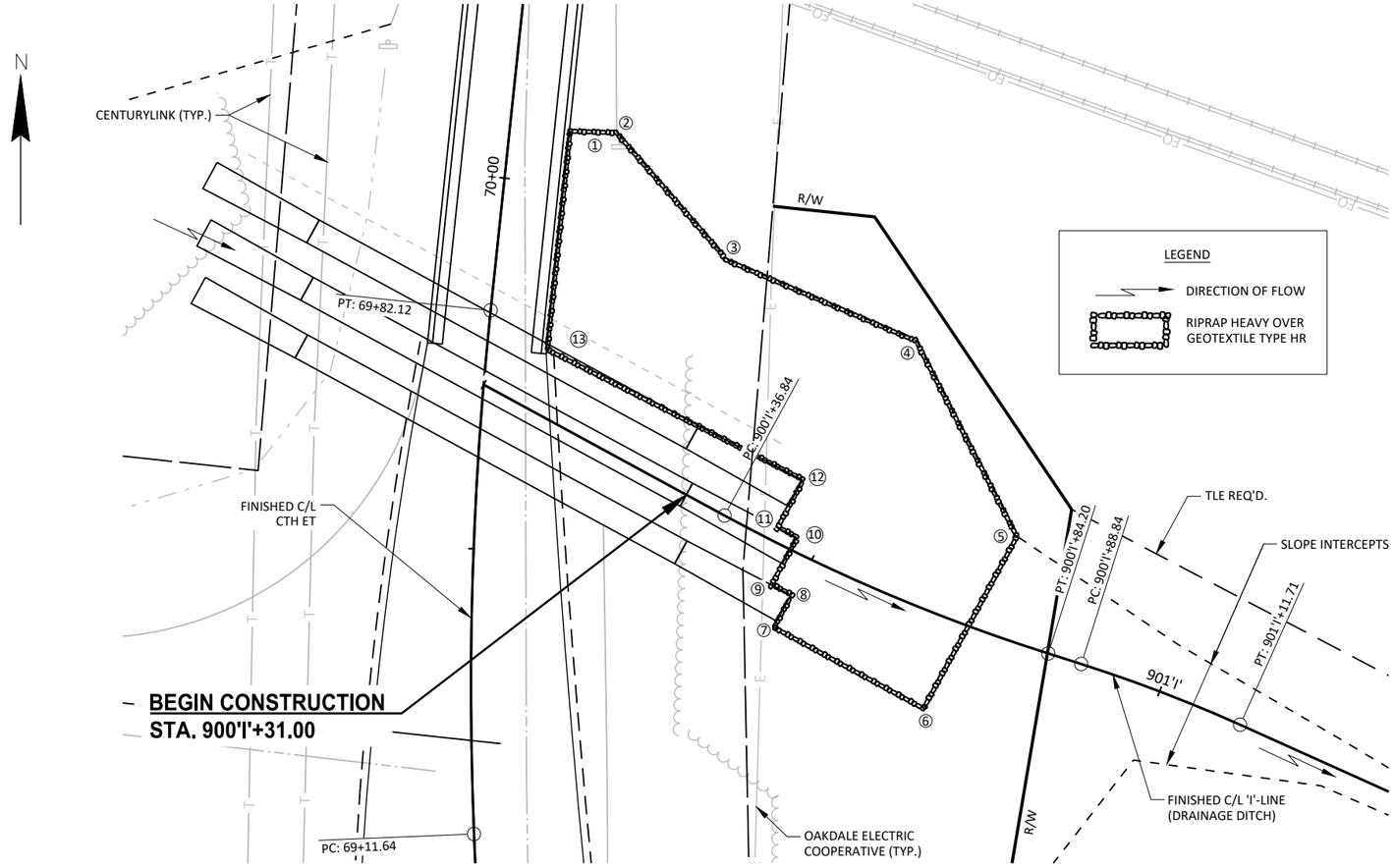


SECTION A-A

① LIMITS OF SEEDING MIXTURE NO. 20, FERTILIZER TYPE B, MULCHING, AND SALVAGED TOPSOIL (AS DIRECTED BY ENGINEER)

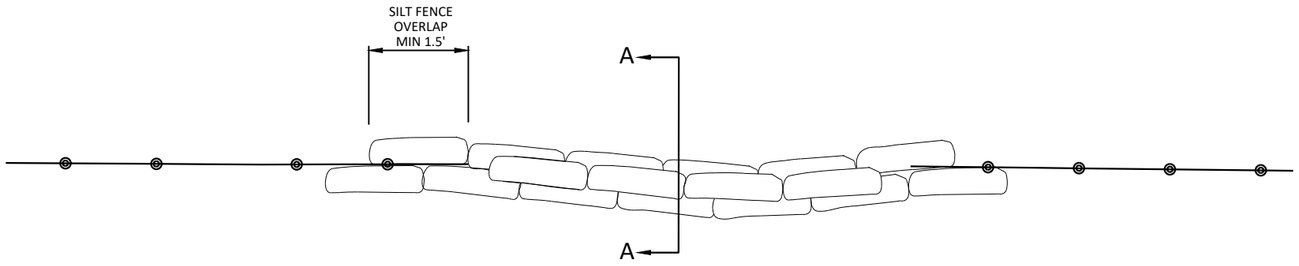
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CONSTRUCTION DETAILS - DRAINAGE BERM	SHEET 14	E

2



RIPRAP LAYOUT 'I'-LINE

POINT	STATION / OFFSET	NORTHING	EASTING
①	STA. 70+07.27, 8.0' RT.	398,652.58	696,467.69
②	STA. 70+07.73, 14.33' RT.	398,652.38	696,474.03
③	STA. 69+92.17, 31.02' RT.	398,635.16	696,489.01
④	STA. 69+84.05, 57.33' RT.	398,624.34	696,514.33
⑤	STA. 69+55.20, 72.95' RT.	398,597.99	696,527.91
⑥	STA. 69+27.94, 60.82' RT.	398,574.76	696,515.30
⑦	STA. 69+40.09, 40.52' RT.	398,585.74	696,495.06
⑧	STA. 69+44.96, 42.81' RT.	398,590.14	696,497.44
⑨	STA. 69+46.40, 40.08' RT.	398,591.54	696,494.76
⑩	STA. 69+53.48, 43.28' RT.	398,597.88	696,498.20
⑪	STA. 69+54.85, 40.59' RT.	398,599.25	696,495.57
⑫	STA. 69+61.99, 43.67' RT.	398,605.59	696,499.01
⑬	STA. 69+77.54, 8.0' RT.	398,623.09	696,464.62



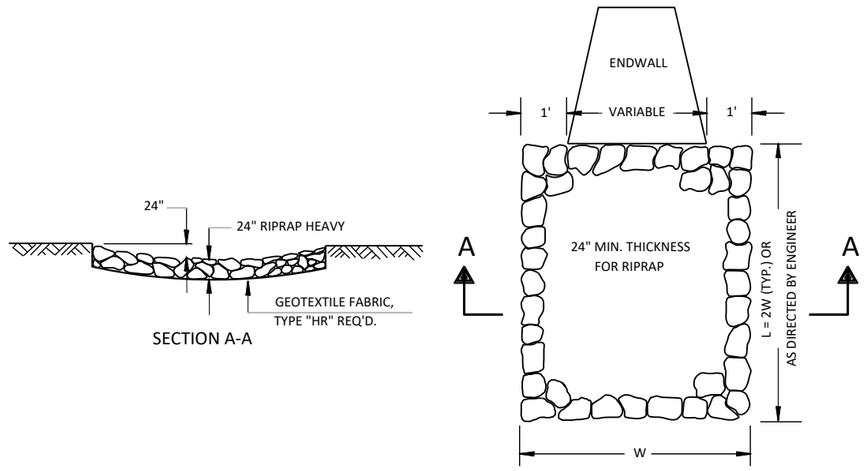
TOP VIEW

SECTION A-A

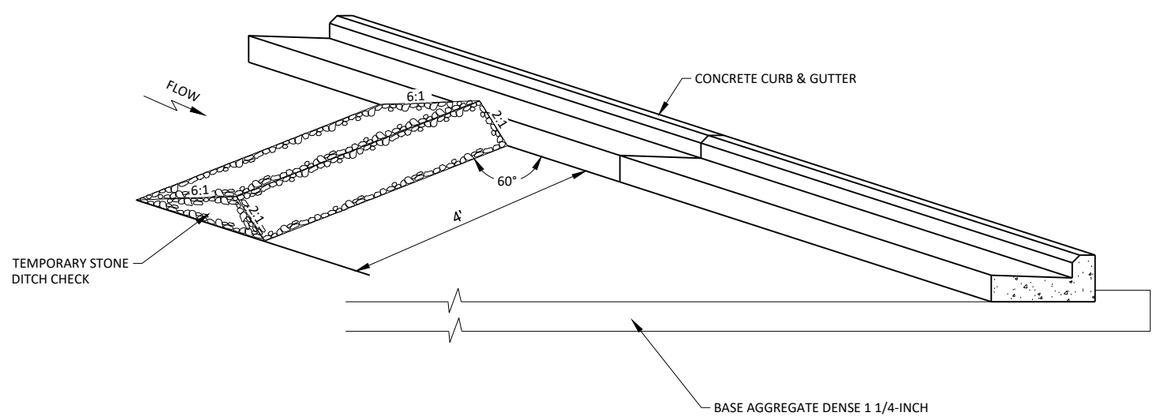
ROCK BAGS USED FOR SILT FENCE RELIEF

(ROCK BAGS INCIDENTAL TO SILT FENCE BID ITEM)

NOTE: LOCATION AND NUMBER OF ROCK BAGS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

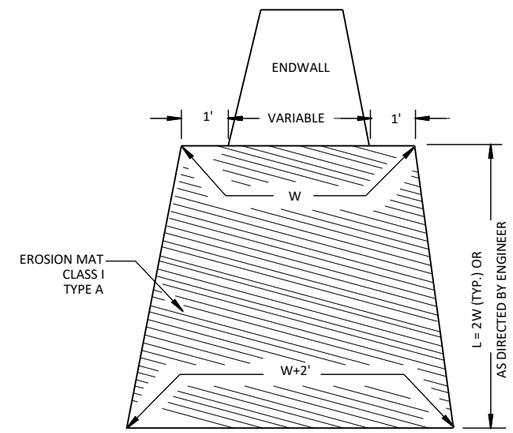


RIPRAP HEAVY TREATMENT AT CULVERTS



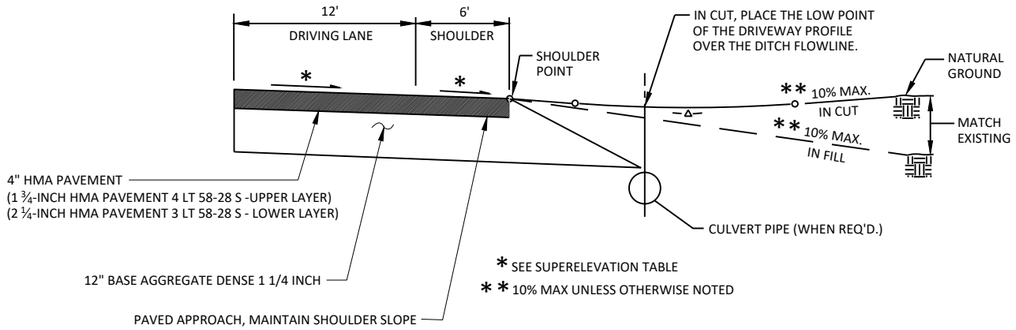
TEMPORARY STONE DITCH CHECKS

(SEE MISCELLANEOUS QUANTITIES SHEET FOR LOCATION)

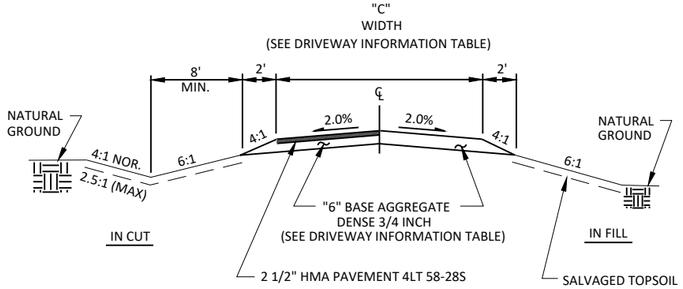


EROSION MAT CLASS I TYPE B TREATMENT AT CULVERTS

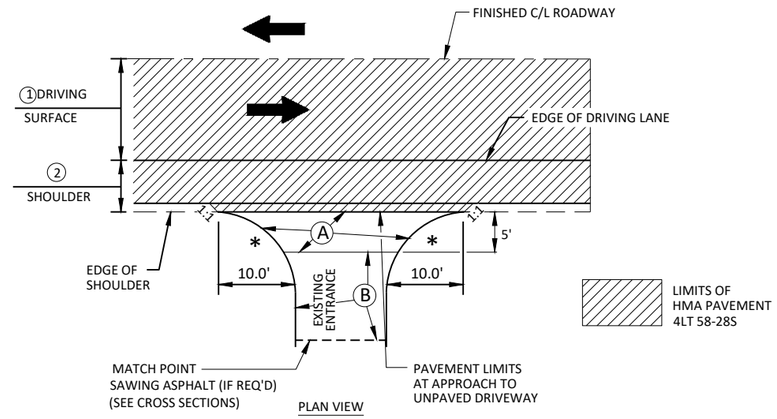
SEE EROSION CONTROL PLAN
SHEET FOR LOCATION AND DIMENSIONS



TYPICAL RURAL ENTRANCE PROFILES



TYPICAL CROSS-SECTION FOR RURAL ENTRANCE



* RADIUS = 10'

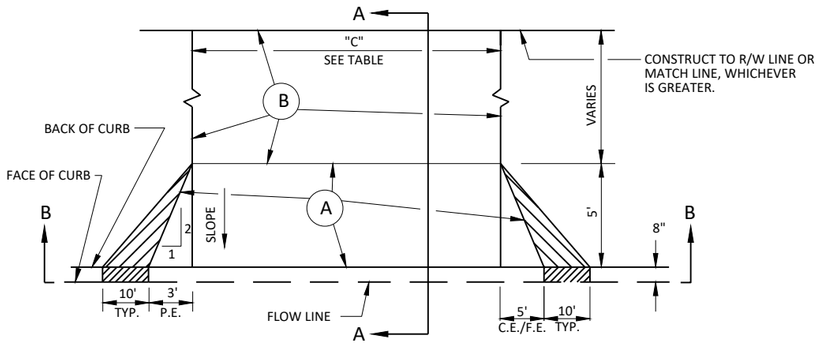
RURAL ENTRANCE DETAIL

ROADWAY	①	②
CTH ET	12'	6' (5' PAVED)
'B'-LINE (FLAT IRON AVE.)	10'	3' (0' PAVED)

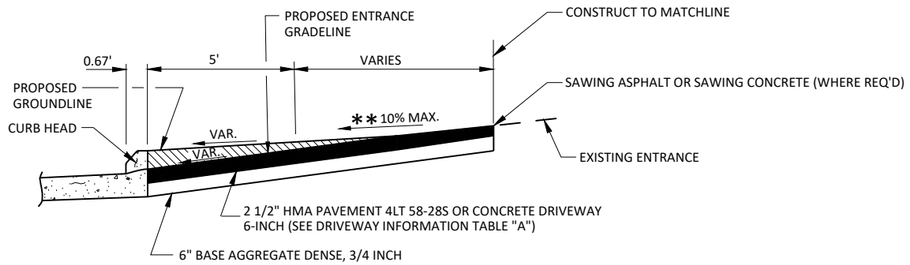
RURAL DRIVEWAY INFORMATION TABLE

ENTRANCE TYPE	STATION	TYPE	EXISTING PAVEMENT STRUCTURE	PROPOSED PAVEMENT STRUCTURE A	PROPOSED PAVEMENT STRUCTURE B	"C" WIDTH
RURAL	23+00, LT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	20
RURAL	41+83, LT.	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	16
RURAL	42+49, LT.	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	14
RURAL	45+17, RT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	18
RURAL	53+25, RT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	16
RURAL	54+11, LT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	20
RURAL	54+99, RT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	18
RURAL	59+00, LT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	20
RURAL	62+50, RT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	20
RURAL	72+00, LT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	16
RURAL	72+00, RT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	16
RURAL	76+74, RT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	20
RURAL	80+70, LT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	16
RURAL	81+50, RT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	14
RURAL	81+54, LT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	22
RURAL	82+50, LT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	16
RURAL	82+50, RT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	16
RURAL	92+34, LT.	P.E.	CONCRETE	CONCRETE DRIVEWAY 6-INCH OVER 6" B.A.D.	CONCRETE DRIVEWAY 6-INCH OVER 6" B.A.D.	10
RURAL	95+00, LT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	20
RURAL	96+25, RT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	16
RURAL	100+92, LT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	12
RURAL	101+16, LT.	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	10
RURAL	101+82, LT.	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	10
RURAL	103+79, LT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	10
RURAL	303'B'+65, LT. ('F'-LINE)	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	18

2

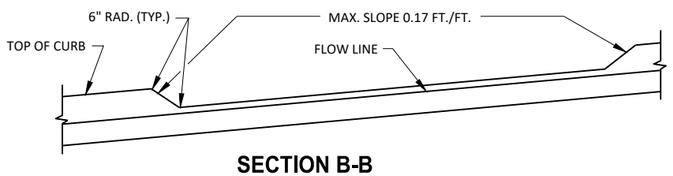


URBAN DRIVEWAY DETAIL



** 10% MAX UNLESS OTHERWISE NOTED

SECTION A-A



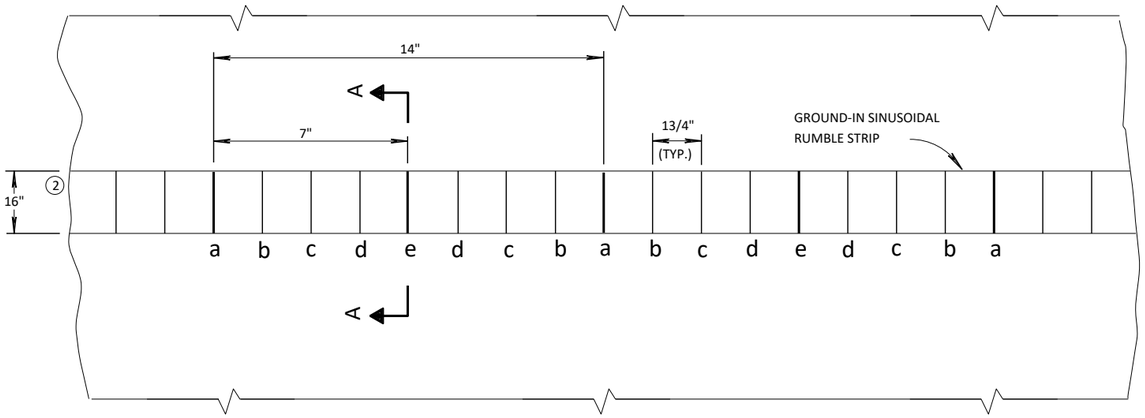
SECTION B-B

	EXISTING	PROPOSED
(A)	CRUSHED AGGREGATE BASE COURSE	2 1/2" PROPOSED HMA PAVEMENT 4LT 58-28S OVER 6" BASE AGGREGATE DENSE 3/4-INCH
	ASPHALT	2 1/2" PROPOSED HMA PAVEMENT 4LT 58-28S OVER 6" BASE AGGREGATE DENSE 3/4-INCH
	CONCRETE	6" PROPOSED CONCRETE DRIVEWAY OVER 6" BASE AGGREGATE DENSE 3/4-INCH

URBAN DRIVEWAY INFORMATION TABLE

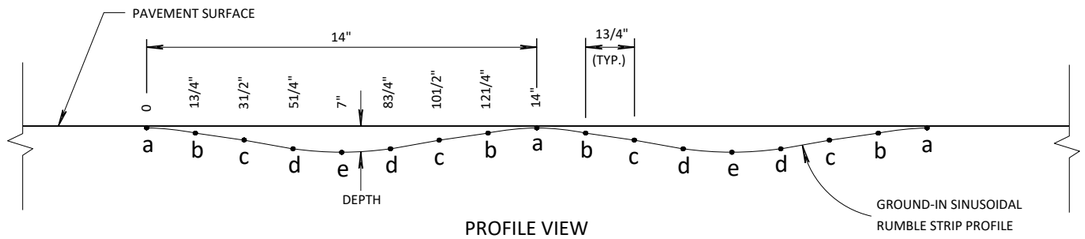
ENTRANCE TYPE	STATION	TYPE	EXISTING PAVEMENT STRUCTURE	PROPOSED PAVEMENT STRUCTURE A	PROPOSED PAVEMENT STRUCTURE B	"C" WIDTH
URBAN	11+90, LT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	14
URBAN	13+96, LT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	10
URBAN	14+50, RT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	54
URBAN	15+83, LT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	12
URBAN	17+87, RT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	24
URBAN	56+59, RT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	24
URBAN	66+38, RT.	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	18
URBAN	71+29, RT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	24
URBAN	92+34, LT.	P.E.	CONCRETE	CONCRETE DRIVEWAY OVER 6-INCH B.A.D.	CONCRETE DRIVEWAY OVER 6-INCH B.A.D.	10
URBAN	95+00, LT.	F.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	20
URBAN	101+82, LT.	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	10
URBAN	103+79, LT.	P.E.	B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	8 1/2" B.A.D.	10
URBAN	300'B'+35, RT.	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	24
URBAN	302'B'+20, RT.	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	16
URBAN	303'B'+65, RT. ('G'-LINE)	P.E.	ASPHALT	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	2 1/2" HMA PAVEMENT OVER 6" B.A.D.	12

2



PLAN VIEW

CENTERLINE WITH GROUND-IN SINUSOIDAL RUMBLE STRIP



PROFILE VIEW

GROUND-IN SINUSOIDAL RUMBLE STRIP

LOCATION	DEPTH INCHES
a	1/16"
b	5/32"
c	9/32"
d	7/16"
e	1/2"

GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

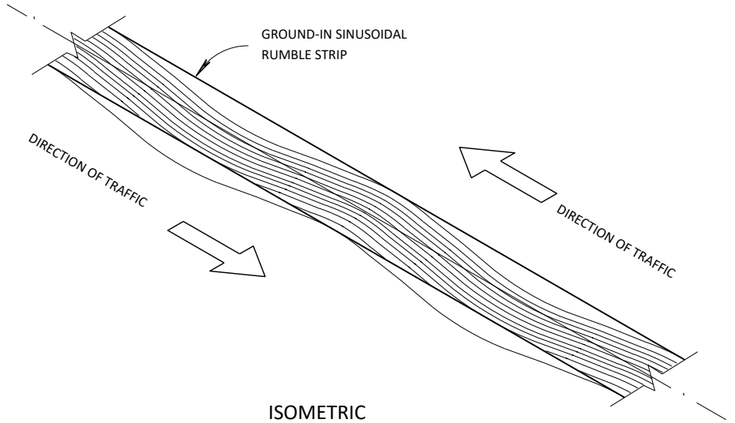
SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

THE WIDTH OF THE GROOVE WILL BE 16 INCHES.

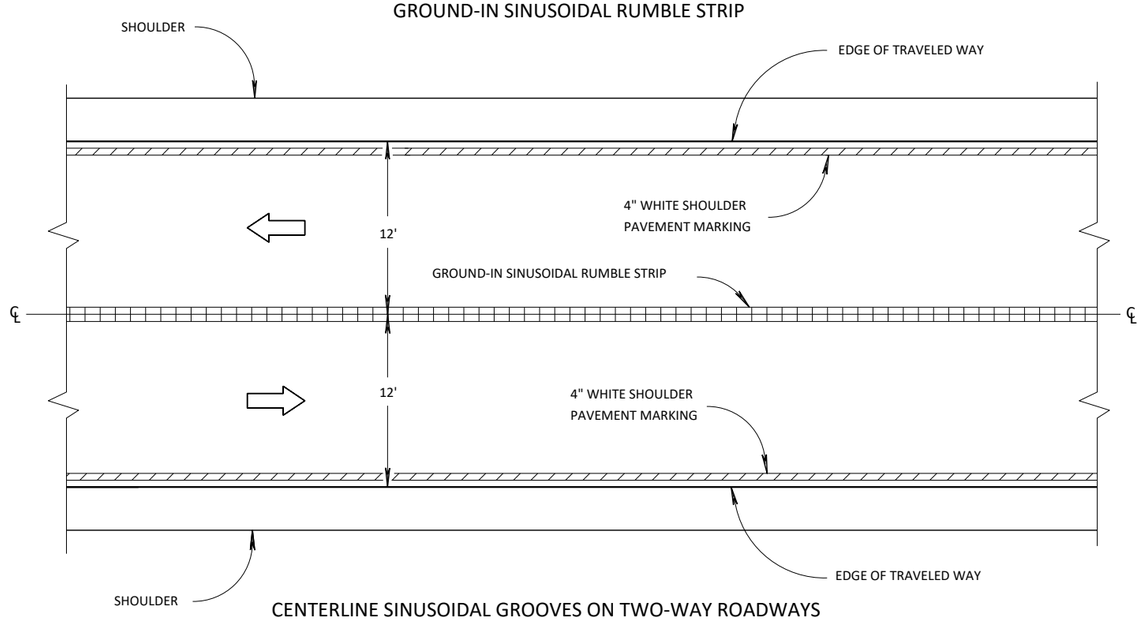
THE PAVEMENT MARKINGS WILL BE ENTIRELY INSIDE THE RUMBLE STRIP.

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.

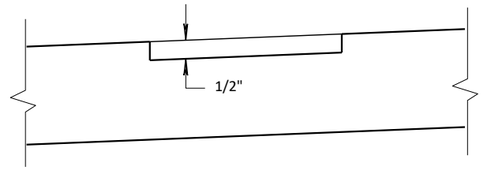
(2) SEE CONTRACT PLANS FOR SINUSOIDAL STRIP WIDTH.



ISOMETRIC

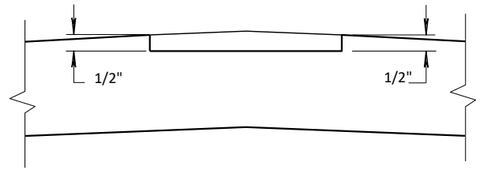


CENTERLINE SINUSOIDAL GROOVES ON TWO-WAY ROADWAYS



SECTION A-A

SUPERELEVATED ROADWAY

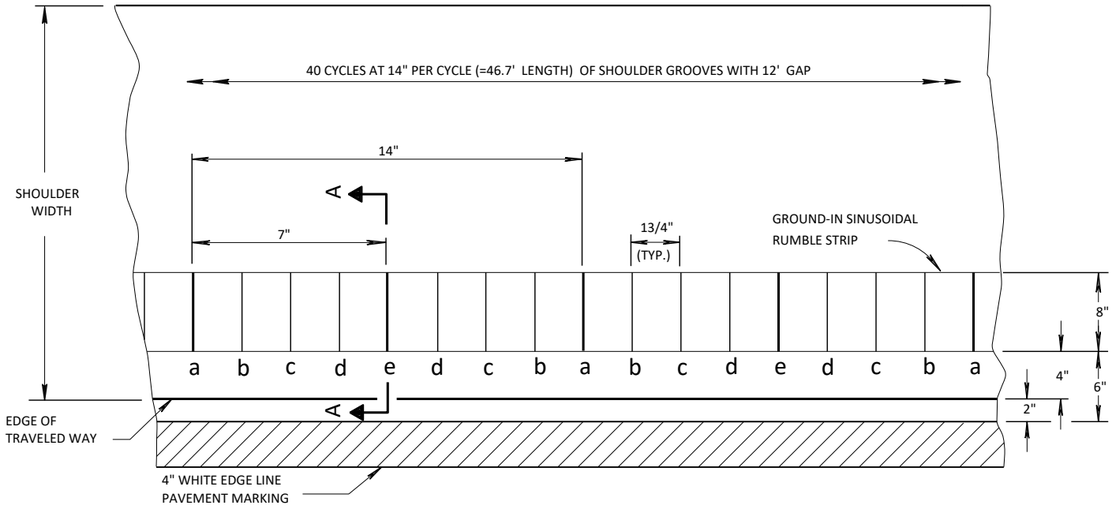


SECTION A-A

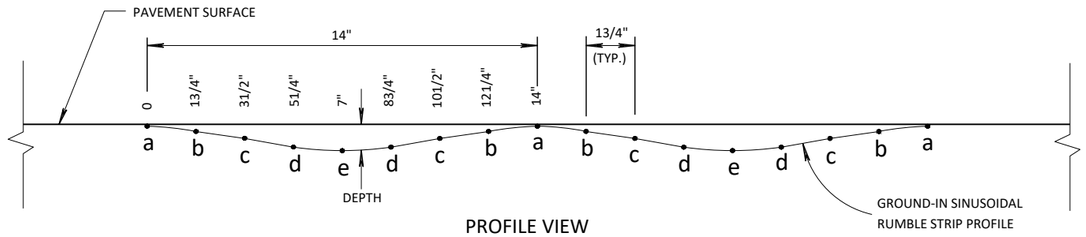
CROWNED ROADWAY

ASPHALTIC CENTERLINE RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL

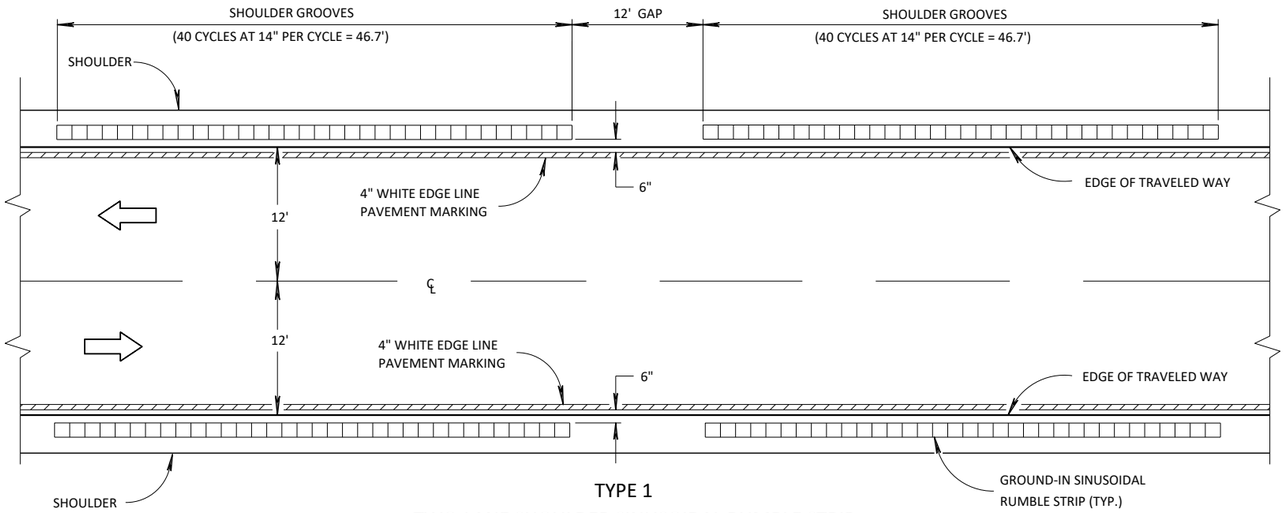
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CONSTRUCTION DETAILS - CENTER LINE RUMBLE STRIPS	SHEET 19	E



PLAN VIEW
SHOULDER WITH GROUND-IN SINUSOIDAL RUMBLE STRIP



PROFILE VIEW
GROUND-IN SINUSOIDAL RUMBLE STRIP



TYPE 1
TWO-LANE SHOULDER SINUSOIDAL RUMBLE STRIP

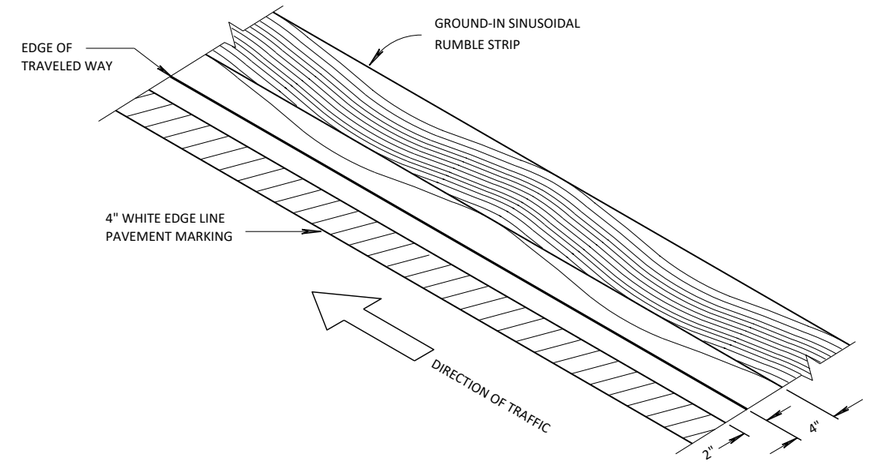
LOCATION	DEPTH INCHES
a	1/16"
b	5/32"
c	9/32"
d	7/16"
e	1/2"

GENERAL NOTES

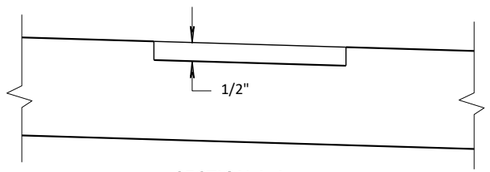
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



ISOMETRIC



SECTION A-A

ASPHALTIC SHOULDER RUMBLE STRIP, SINUSOIDAL, 2-LANE RURAL

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CONSTRUCTION DETAILS - SHOULDER RUMBLE STRIPS	SHEET 20	E

2

2

N

THOMAS H.
ZASTOUPIL

R/W

STA. 28+55.22 (CTH ET) =
STA. 201'A'+36.35 ('A'-LINE (GOLIATH ROAD))
TYPE C INTERSECTION REQ'D.

CHARTER COMMUNICATIONS
(TYP.)

CENTURYLINK
(TYP.)

OAKDALE ELECTRIC
COOPERATIVE (TYP.)

R/W

6' SHLDR
(5' PAVED)

FINISHED C/L CTH ET

88°7'38"

S89°10'49"W

12'
DRIVING
LANE

12'
DRIVING
LANE

CTH ET

31

30

29

28

27

26

EXISTING C/L CTH ET

17'

18'

STA. 29+41

15'

PC: 29+16.12

3'

R=60'

201'A'

N02°41'33"W

18'

17'

10'

STA. 27+88

6' SHLDR
(5' PAVED)

WE ENERGIES

R=40'

3'

15'

801'H'

R/W

SLOPE INTERCEPT
(TYP.)

STA. 27+98.29 58.0' LT (CTH ET) =
STA. 200'A'+76.52 55.0' RT ('A'-LINE (GOLIATH ROAD))
Y = 394,790.81
X = 697,132.65

STA. 29+26.10 78.0' LT (CTH ET) =
STA. 200+60.88 75.0' LT ('A'-LINE (GOLIATH ROAD))
Y = 394,769.09
X = 697,003.54

15'

10:1

10:1

GOLIATH
ROAD

200'A'

XXXXXXXXXX

FINISHED C/L 'A'-LINE (GOLIATH ROAD)

P.L.

P.L.

FINISHED C/L 'H'-LINE
(DRAINAGE DITCH)

JOHN J.
DA SILVA

TODD L.
GAVINSKI

TODD L.
GAVINSKI

THOMAS H.
ZASTOUPIL

② ① ① ②

EXISTING C/L 'A'-LINE (GOLIATH ROAD)

REMOVING SMALL PIPE CULVERTS
STA. 201'A'+11
REMOVE 18" CMP

STA. 200'A'+80
(1) CULVERT PIPE CLASS-III A 24-INCH
(2) APRON ENDWALLS CULVERT PIPE
24-INCH REQ'D.

LEGEND

DIRECTION OF TRAVEL

DIRECTION OF FLOW

XXXXXXXXX SAWING ASPHALT

① 9' DRIVING LANE

② VARIES 0'-2' SHOULDERS (0' PAVED)

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	INTERSECTION DETAILS	SHEET 21	E

LEGEND

DIRECTION OF TRAVEL

DIRECTION OF FLOW

XXXXXXXXX SAWING ASPHALT

N

THOMAS H. ZASTOUPIL

EXISTING TRANSFORMERS & CONCRETE BASE TO REMAIN

EXISTING LIGHT POLE TO REMAIN

CURVE 14
PI STA. = 303'B'+51.30
Y = 394,864.70
X = 696,551.07
R = 144.00
D = 39°47'19"
DELTA = 44°25'49"
L = 111.67
T = 58.81
C = 108.89
PC STA. = 302'B'+92.49
Y = 394,863.39
X = 696,492.27
PT STA. = 304'B'+04.16
Y = 394,906.79
X = 696,592.14
SE = SEE SUPERELEVATION TABLE
RO = SEE SUPERELEVATION TABLE
SE TRANS = SEE SUPERELEVATION TABLE

HOUSE

STA. 33+62.80 78.0' LT (CTH ET) =
STA. 304'B'+40.35 75.0' LT ('B'-LINE (FLAT IRON AVE))
Y = 394,985.06
X = 696,563.73

FINISHED C/L 'F'-LINE (P.E.)

LARRY A. PITEL

STA. 303'B'+65, LT. CONSTRUCT P.E. (ASPHALT)

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J REQ'D.

FINISHED C/L DRAINAGE DITCH (TYP.)

OAKDALE ELECTRIC COOPERATIVE

R/W

CENTURYLINK

FINISHED C/L 'B'-LINE (FLAT IRON AVE)

302'B'

N88°43'28"E

303'B'

FLAT IRON AVE

PC: 302+92.49

3' SHLDR

CURVE 14

PT: 304+04.16

10:1

10:1

304'B'

11.17'

ASPHALTIC FLUME REQ'D.

FINISHED C/L 'G'-LINE (P.E.)

STA. 303'B'+65, RT. CONSTRUCT P.E. (ASPHALT)

EXISTING SEPTIC FIELD TO REMAIN

BEVERLY J. BURKHALTER

DAWN M. BURKHALTER

R/W

STA. 302'B'+20, RT. CONSTRUCT P.E. (ASPHALT)

R/W

POST

35

FINISHED C/L CTH ET

CTH ET

34

STA. 33+78

17'

18'

15'

90°0'0"

SLOPE INTERCEPT (TYP.)

R=60'

33

305'B'

3'

N44°17'39"E

15'

15'

3'

R=40'

18'

17'

10'

STA. 32+39

32

STA. 32+98.00 (CTH ET) =
STA. 305'B'+13.32 ('B'-LINE (FLAT IRON AVE))
TYPE C INTERSECTION REQ'D.

STA. 32+48.79 58.0' LT (CTH ET) =
STA. 304'B'+58.11 55.0' RT ('B'-LINE (FLAT IRON AVE))
Y = 394,907.00
X = 696,669.18

FINISHED C/L DRAINAGE DITCH (TYP.)

STA. 300'B'+00 - STA. 303'B'+83, RT. CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J REQ'D.

JOHN J. DA SILVA

THOMAS H. ZASTOUPIL

6' SHLDR (5' PAVED)

OAKDALE ELECTRIC COOPERATIVE (TYP.)

CHARTER COMMUNICATIONS (TYP.)

CENTURYLINK (TYP.)

12' DRIVING LANE

12' DRIVING LANE

31

6' SHLDR (5' PAVED)

EXISTING C/L CTH ET

30

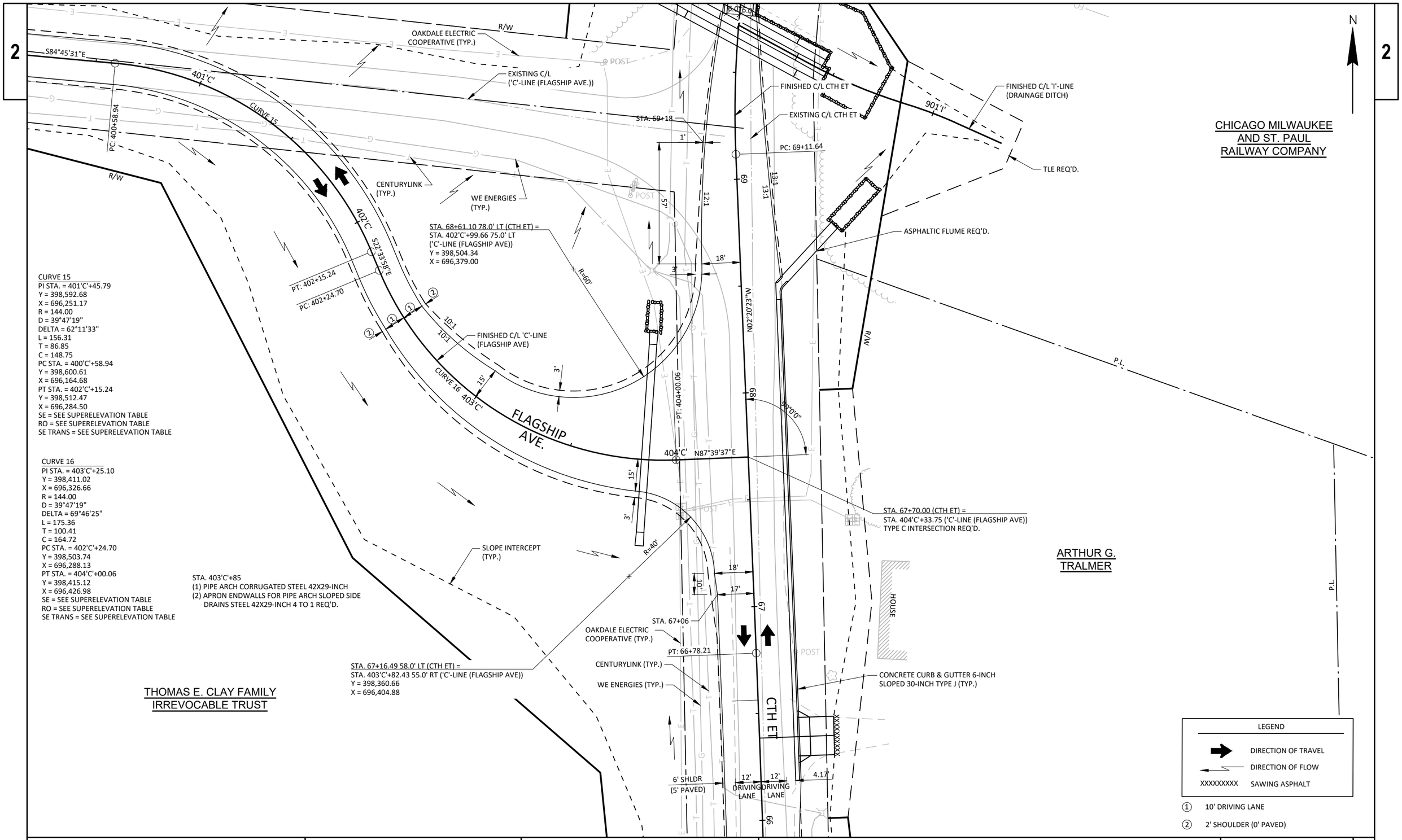
WE ENERGIES (TYP.)

R/W

TODD L. GAVINSKI

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	INTERSECTION DETAILS	SHEET 22	E

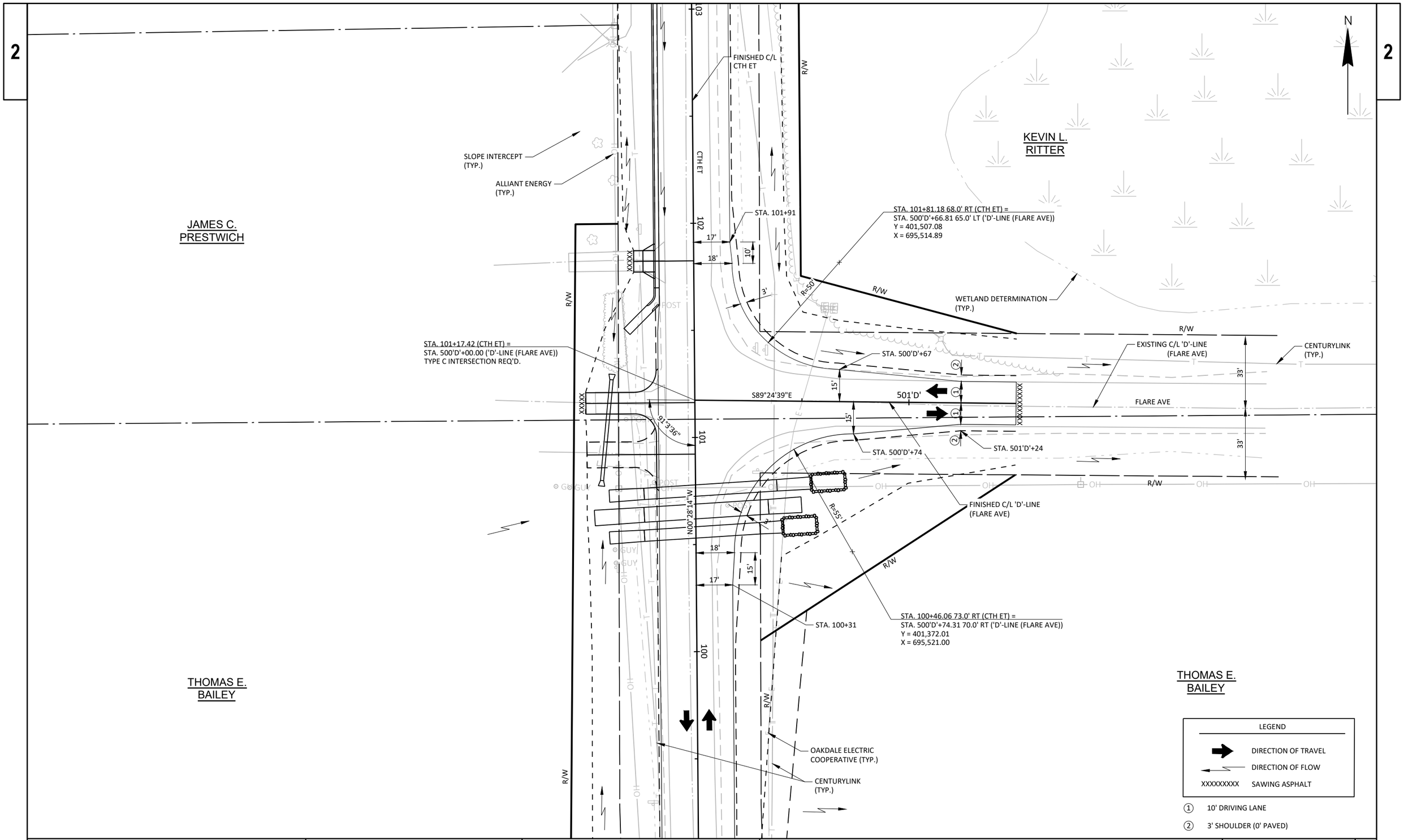
FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\INTERSECTION DETAILS.DWG PLOT DATE : 10/29/2021 2:06:19 PM PLOT BY : JONAH DRAKE PLOT SCALE : 1" = 1' LAYOUT : B LINE



CURVE 15
PI STA. = 401'C'+45.79
Y = 398,592.68
X = 696,251.17
R = 144.00
D = 39°47'19"
DELTA = 62°11'33"
L = 156.31
T = 86.85
C = 148.75
PC STA. = 400'C'+58.94
Y = 398,600.61
X = 696,164.68
PT STA. = 402'C'+15.24
Y = 398,512.47
X = 696,284.50
SE = SEE SUPERELEVATION TABLE
RO = SEE SUPERELEVATION TABLE
SE TRANS = SEE SUPERELEVATION TABLE

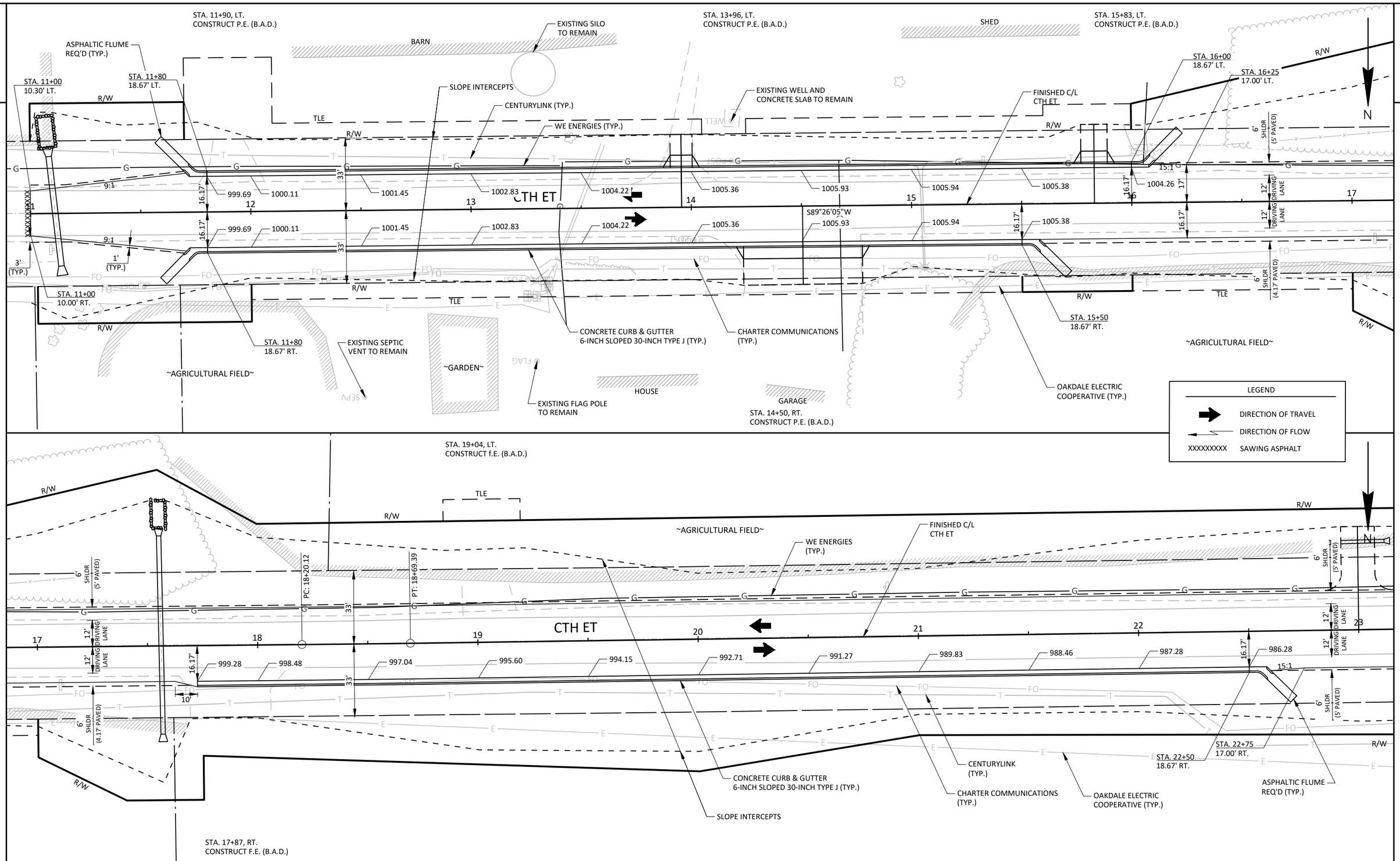
CURVE 16
PI STA. = 403'C'+25.10
Y = 398,411.02
X = 696,326.66
R = 144.00
D = 39°47'19"
DELTA = 69°46'25"
L = 175.36
T = 100.41
C = 164.72
PC STA. = 402'C'+24.70
Y = 398,503.74
X = 696,288.13
PT STA. = 404'C'+00.06
Y = 398,415.12
X = 696,426.98
SE = SEE SUPERELEVATION TABLE
RO = SEE SUPERELEVATION TABLE
SE TRANS = SEE SUPERELEVATION TABLE

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	INTERSECTION DETAILS	SHEET 23	E



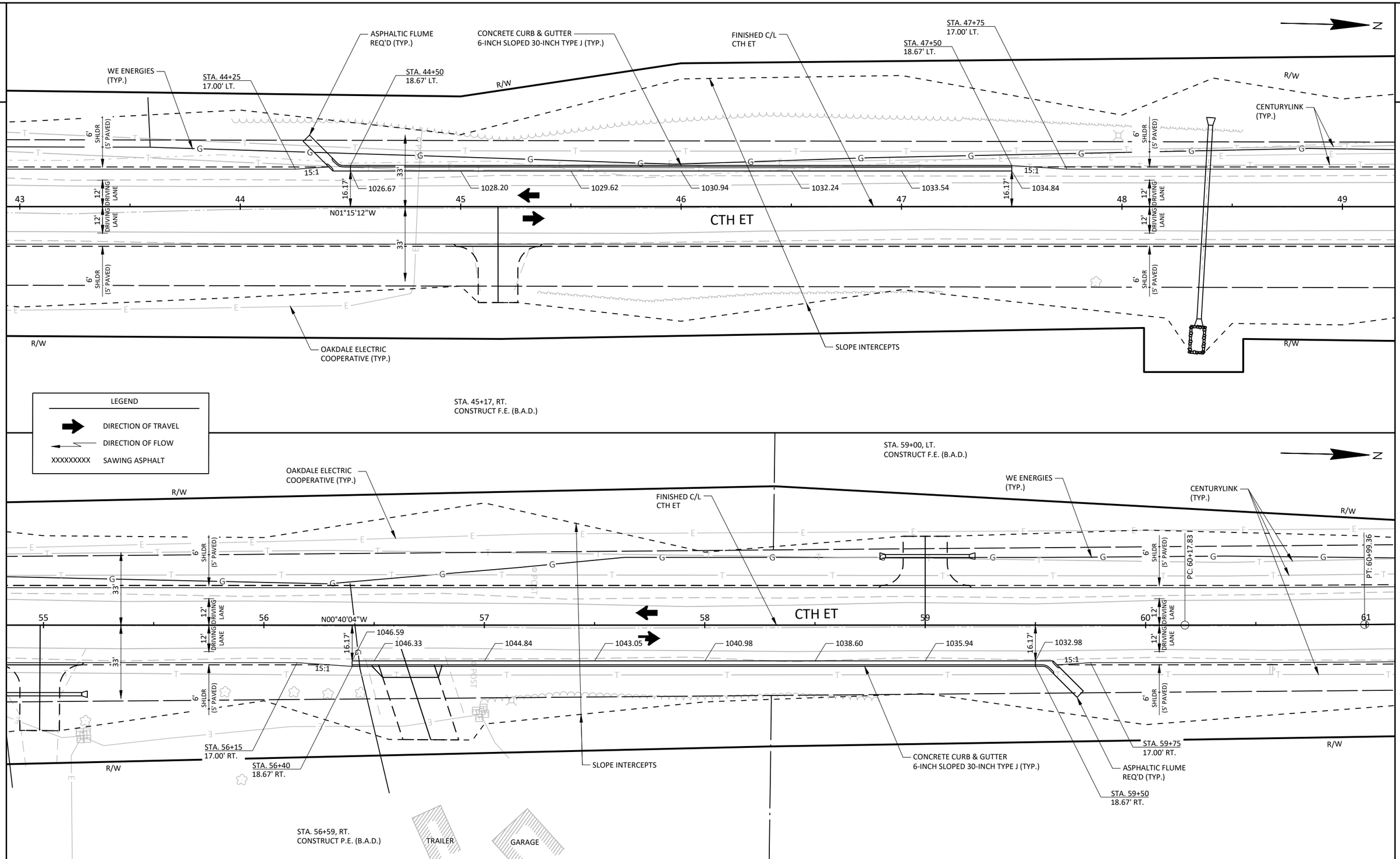
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	INTERSECTION DETAILS	SHEET 24	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\INTERSECTION DETAILS.DWG PLOT DATE : 11/1/2021 11:05:01 AM PLOT BY : JONAH DRAKE PLOT SCALE : 1" = 1' LAYOUT : D LINE



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PAVING DETAILS	SHEET 25	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_PAVING DETAILS.DWG
PLOT DATE : 10/29/2021 2:06:58 PM
PLOT BY : JONAH DRAKE
PLOT SCALE : 1" = 1'
LAYOUT : LAYOUT 1



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PAVING DETAILS	SHEET 26	E

2

R/W

CENTURYLINK (TYP.)

OAKDALE ELECTRIC COOPERATIVE (TYP.)

FINISHED C/L CTH ET

WE ENERGIES (TYP.)

FINISHED C/L 'C'-LINE (FLAGSHIP AVE.)

FLAGSHIP AVE.

EXISTING C/L FLAGSHIP AVE.

N

PC: 64+35.85

6' SHLDR (5' PAVED)

33'

CTH ET

12' DRIVING LANE

12' DRIVING LANE

33'

6' SHLDR (5' PAVED)

64

65

66

67

68

69

PT: 66+78.21

404'C

PT: 404+00.06

3'

1'

3'

12:1

PC: 69+11.64

N02°20'23"W

MATCHLINE STA. 69+50

16.17'

1009.74

1009.36

1008.46

1007.16

1005.48

16.17'

1003.72

15:1

13:1

R/W

XXXXXXXXX

STA. 65+93
17.00' RT.

STA. 66+18
18.67' RT.

SLOPE INTERCEPTS

GARDEN

HOUSE

TLE

STA. 68+43
18.67' RT.

R/W

CONCRETE CURB & GUTTER
6-INCH SLOPED 30-INCH TYPE J (TYP.)

ASPHALTIC FLUME
REQ'D (TYP.)

NOTE: SEE INTERSECTION DETAILS FOR INERSECTION LAYOUT

STA. 66+38, RT.
CONSTRUCT P.E. (ASPHALT)

LEGEND

- DIRECTION OF TRAVEL
- DIRECTION OF FLOW
- XXXXXXXXX SAWING ASPHALT
- LIMITS OF 2" ASPHALTIC SURFACE SLOPE PAVING PAVE BETWEEN FRONT FACE OF BRIDGE ABUTMENTS TO BACK OF CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J (PAID FOR UNDER ASPHALTIC SURFACE BID ITEM)
- Ⓐ - Ⓕ SOIL BORING LOCATIONS (SEE TYPICAL FINISHED SECTIONS - SOIL BORING INFORMATION AT CP STRUCTURE)

N

CONCRETE CURB & GUTTER
6-INCH SLOPED 24-INCH TYPE J (TYP.)

R/W

ROGERS COMMUNICATIONS CANADA, INC.

PACIFIC RAILROAD

STA. 69+77
8.00' LT.

CENTURYLINK (TYP.)

EXISTING CANADIAN PACIFIC RAILROAD (CPRR) STRUCTURE TO REMAIN

STA. 72+55
17.00' LT.

STA. 71+50
8.00' LT.

PT: 69+82.12

PC: 70+80.16

PT: 71+37.23

PC: 72+56.09

PT: 73+19.14

6' SHLDR (5' PAVED)

33'

12' DRIVING LANE

12' DRIVING LANE

33'

6' SHLDR (5' PAVED)

74

73

72

70

71

N03°28'17"W

N00°45'19"W

CTH ET

N05°59'10"E

MATCHLINE STA. 69+50

997.30

996.08

993.86

992.04

990.62

997.21

996.06

993.86

992.06

990.75

12:1

12:1

12:1

6.0

6.0

6.0

6.0

R/W

R/W

TLE

STA. 69+77
8.00' RT.

FRONT FACE OF EXISTING CPRR BRIDGE ABUTMENTS

STA. 71+50
8.00' RT.

ASPHALTIC FLUME
REQ'D (TYP.)

FINISHED C/L
CTH ET

STA. 72+55
17.00' RT.

SLOPE INTERCEPTS

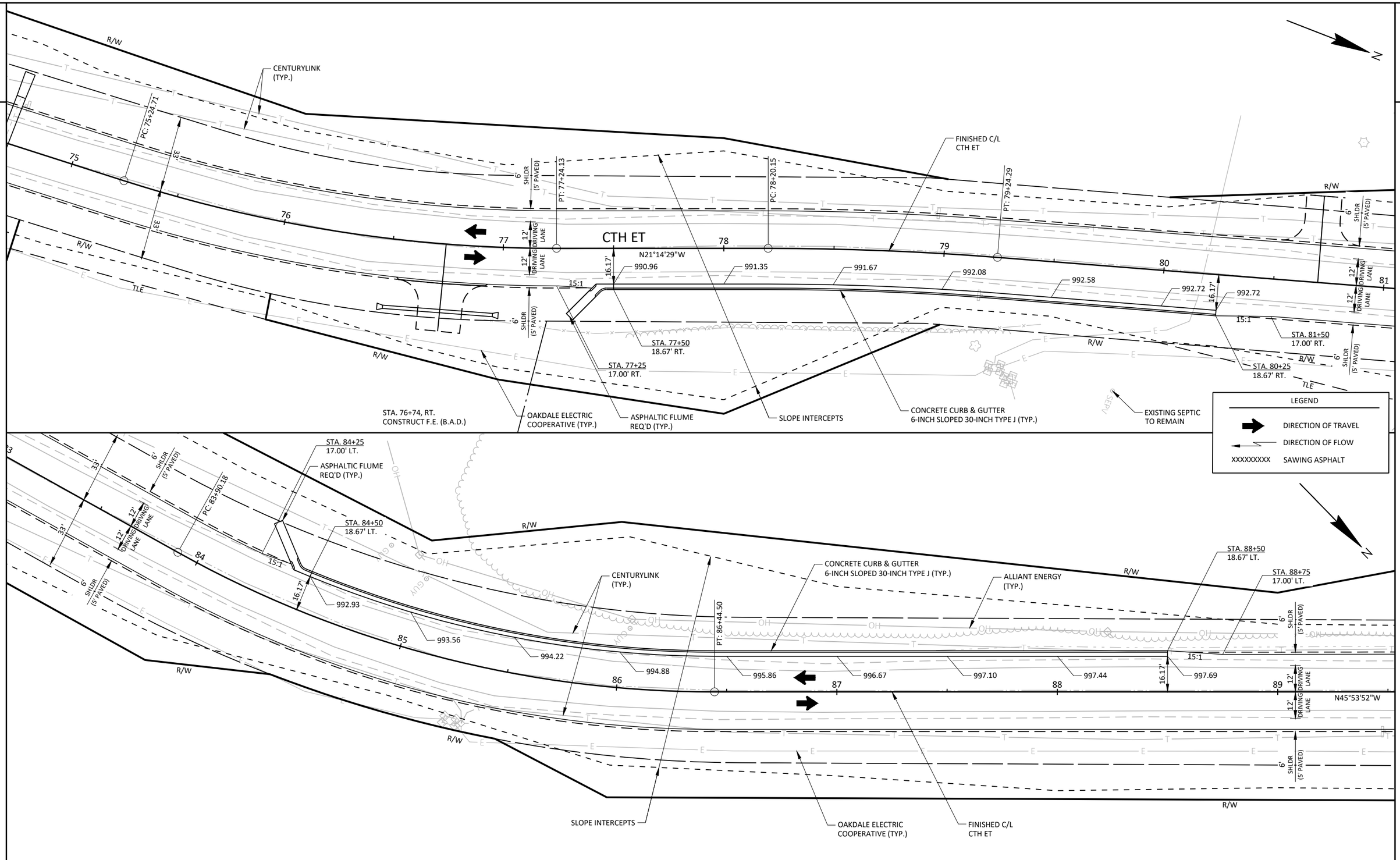
OAKDALE ELECTRIC
COOPERATIVE (TYP.)

CANADIAN

STA. 71+29, RT.
CONSTRUCT F.E. (BAD)

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PAVING DETAILS	SHEET 27	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_PAVING DETAILS.DWG
PLOT DATE : 10/29/2021 2:07:06 PM
PLOT BY : JONAH DRAKE
PLOT SCALE : 1" = 1'
LAYOUT : LAYOUT 3



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PAVING DETAILS	SHEET 28	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_PAVING DETAILS.DWG
PLOT DATE : 10/29/2021 2:07:11 PM
PLOT BY : JONAH DRAKE
PLOT SCALE : 1" = 1'
LAYOUT : LAYOUT 4

2

N

6' SHLDR (5' PAVED)

12' DRIVING LANE

STA. 95+20
18.67' LT.
999.64

STA. 95+00
18.67' LT.
999.76

95

R/W

STA. 94+50
18.67' LT.
1000.00

STA. 94+00
18.67' LT.

SLOPE INTERCEPTS

1000.14

94

16.17'

STA. 93+50
18.67' LT.

R/W

STA. 93+00
18.67' LT.
999.69

OAKDALE ELECTRIC COOPERATIVE (TYP.)

1000.16

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J (TYP.)

ALLIANT ENERGY (TYP.)

93

16.17'

PC: 93+11.50

STA. 92+50
18.67' LT.
999.18

STA. 92+30
18.67' LT.
998.97

92

15:1

FINISHED C/L CTH ET

CENTURYLINK (TYP.)

CTH ET

12' DRIVING LANE

6' SHLDR (5' PAVED)

R/W

91

ASPHALTIC FLUME REQ'D (TYP.)

LEGEND

- DIRECTION OF TRAVEL
- DIRECTION OF FLOW
- XXXXXXXXX SAWING ASPHALT

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PAVING DETAILS	SHEET 29	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_PAVING DETAILS.DWG PLOT DATE : 10/29/2021 2:07:13 PM PLOT BY : JONAH DRAKE PLOT SCALE : 1" = 1' LAYOUT : LAYOUT 5

2

STA. 101+70
18.67' LT.
995.93

STA. 102+00
18.67' LT.
996.02

STA. 102+50
18.67' LT.
996.17

STA. 103+00
18.67' LT.
996.32

STA. 103+50
18.67' LT.
996.28

STA. 104+00
18.67' LT.
996.06

STA. 104+05
18.67' LT.
996.03

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J (TYP.)

ASPHALTIC FLUME REQ'D. (TYP.)

6' SHLDR (5' PAVED)

12' DRIVING LANE

15:1

16.17'

101 102 103 104 10

N00°28'14"W

LEGEND

DIRECTION OF TRAVEL

DIRECTION OF FLOW

XXXXXXXXX SAWING ASPHALT

501+

OAKDALE ELECTRIC COOPERATIVE (TYP.)

CHARTER COMMUNICATIONS (TYP.)

R/W

33'

33'

R/W

FLAT IRON AVE

1020.30

300'B' 10'

XXXXXXXXXXXX

11.17'

10'

1020.19

STA. 299'B'+90

WE ENERGIES (TYP.)

STA. 300'B'+00
13.67' RT.

TLE

FINISHED C/L 'B'-LINE (FLAT IRON AVE)

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J (TYP.)

SLOPE INTERCEPTS

301'B'

302'B'

303'B'

1019.95

1019.61

1017.75

1014.15

1010.49

1006.81

PC: 302+92.49

PT: 304+04.16

10:1

15'

15'

304'B'

10'

11.17'

1000.55

1003.01

ASPHALTIC FLUME REQ'D.

R/W

R/W

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PAVING DETAILS	SHEET 30	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_PAVING DETAILS.DWG PLOT DATE : 11/1/2021 11:14:25 AM PLOT BY : JONAH DRAKE PLOT SCALE : 1" = 1' LAYOUT : LAYOUT 7

2

BEGIN PROJECT
STA. 11+00

7' X 14'
SOD 7' X 12'
R/W
TLE REQ'D.
SOD 7' X 12'
6' X 12'
SLOPE INTERCEPTS
N
MATCHLINE STA. 22+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
TLE REQ'D.
SOD 7' X 12'

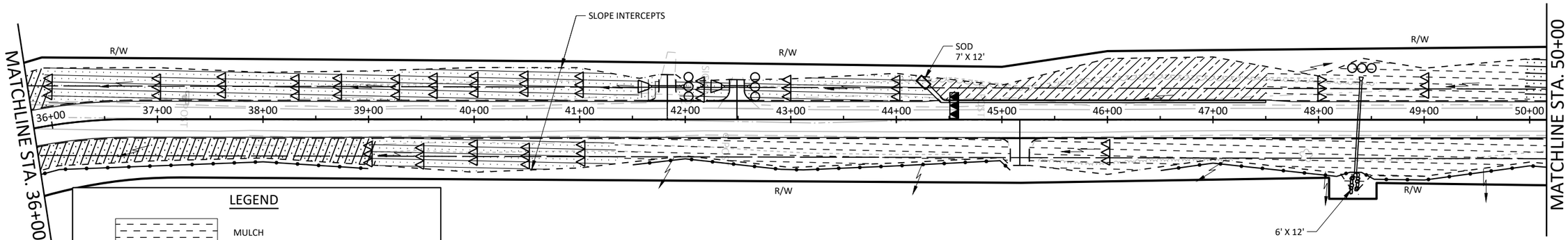
LEGEND

- MULCH
- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECK
- FLOW ARROW
- HEAVY RIPRAP OVER GEOTEXTILE TYPE HR
- TYPE A INLET PROTECTION PLACED PRIOR TO CURB & GUTTER CONSTRUCTION AND TYPE C PLACED AFTER
- TYPE A INLET PROTECTION ONLY
- EROSION MAT CLASS 1, TYPE B TREATMENT AT CULVERTS, W=5' L=10' SEE CONSTRUCTION DETAILS

BEGIN CONSTRUCTION
STA. 299'B'+90

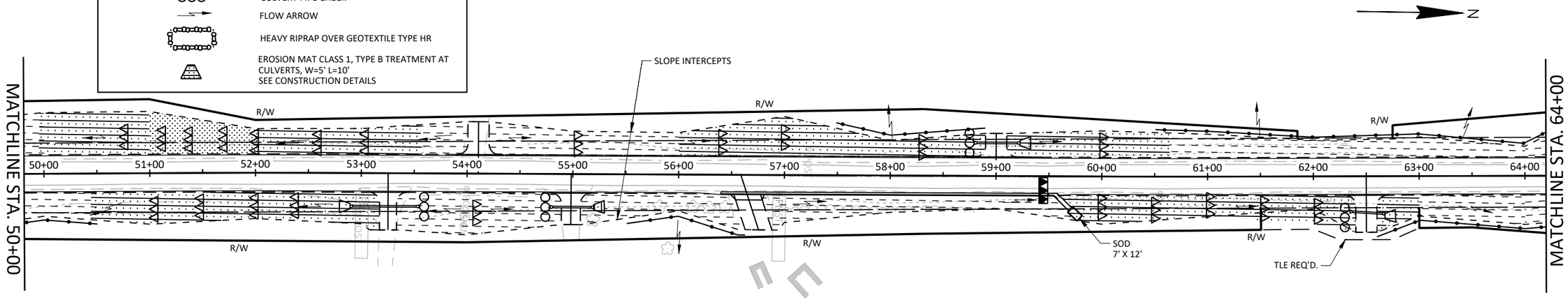
TLE REQ'D.
R/W
FINISHED C/L 'G'-LINE
300'B'
301'B'
302'B'
303'B'
304'B'
305'B'
306'B'
307'B'
308'B'
309'B'
310'B'
311'B'
312'B'
313'B'
314'B'
315'B'
316'B'
317'B'
318'B'
319'B'
320'B'
321'B'
322'B'
323'B'
324'B'
325'B'
326'B'
327'B'
328'B'
329'B'
330'B'
331'B'
332'B'
333'B'
334'B'
335'B'
336'B'
337'B'
338'B'
339'B'

2



LEGEND

- MULCH
- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECK
- FLOW ARROW
- HEAVY RIPRAP OVER GEOTEXTILE TYPE HR
- EROSION MAT CLASS 1, TYPE B TREATMENT AT CULVERTS, W=5' L=10' SEE CONSTRUCTION DETAILS



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	EROSION CONTROL PLAN	SHEET 32	E

2

BEGIN CONSTRUCTION
STA. 400'C'+00

END CONSTRUCTION
STA. 404'C'+15.75

MATCHLINE STA. 64+00

MATCHLINE STA. 79+00

MATCHLINE STA. 79+00

MATCHLINE STA. 94+00

FINISHED C/L 'C'-LINE
(FLAGSHIP AVE.)

FINISHED C/L 'I'-LINE
(DRAINAGE DITCH)

SLOPE INTERCEPTS

SEE RIPRAP
LAYOUT DETAIL

TLE REQ'D.

LEGEND

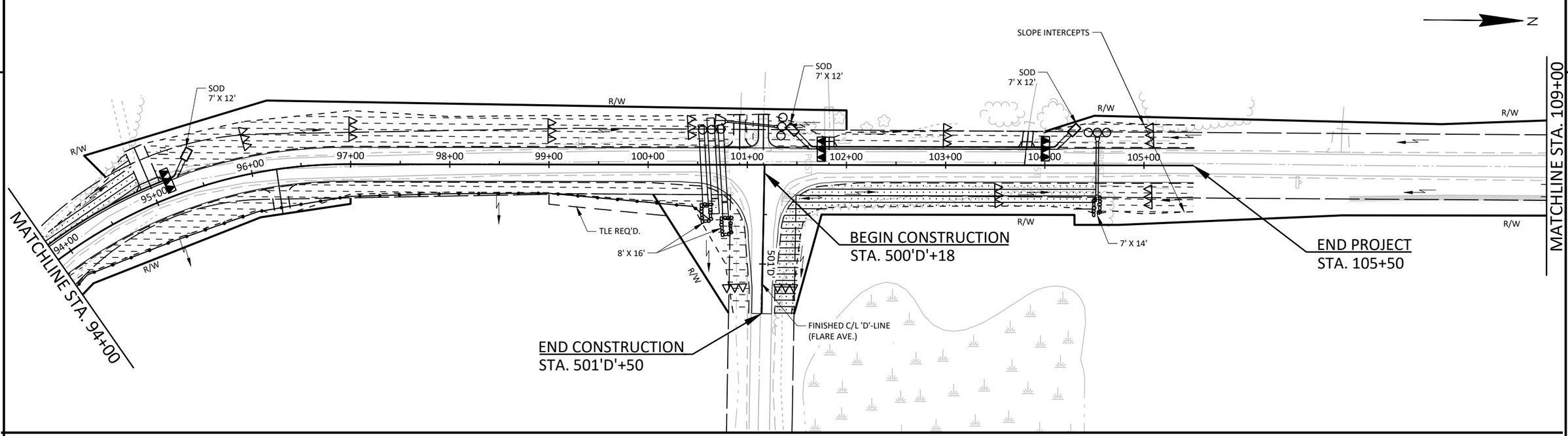
- MULCH
- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECK
- FLOW ARROW
- HEAVY RIPRAP OVER GEOTEXTILE TYPE HR
- EROSION MAT CLASS 1, TYPE B TREATMENT AT CULVERTS, W=5' L=10'
  SEE CONSTRUCTION DETAILS

N

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	EROSION CONTROL PLAN	SHEET 33	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_EROSION CONTROL.DWG
LAYOUT NAME - Layout 3
PLOT DATE : 11/1/2021 9:41 AM
PLOT BY : JONAH DRAKE
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 44

2

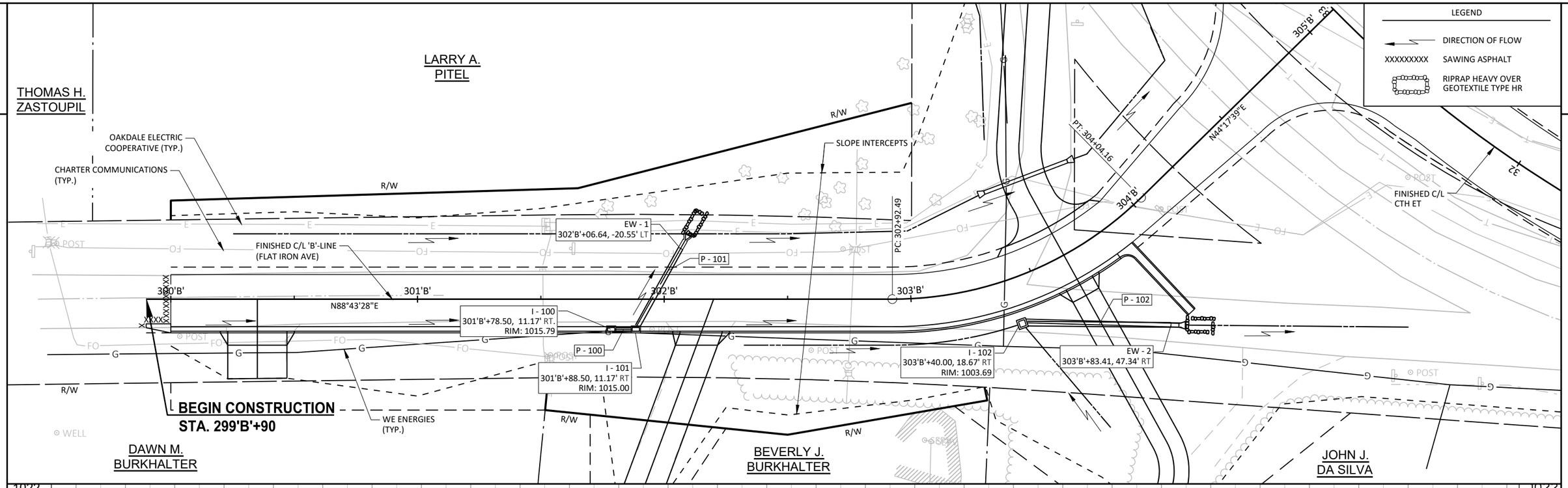


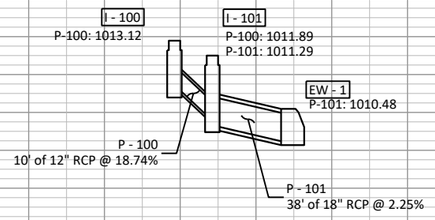
LEGEND

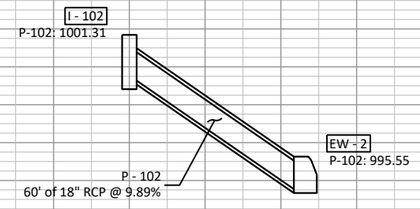
- MULCH
- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- SILT FENCE
- TEMPORARY DITCH CHECK
- TEMPORARY STONE DITCH CHECK
- CULVERT PIPE CHECK
- FLOW ARROW
- HEAVY RIPRAP OVER GEOTEXTILE TYPE HR
- EROSION MAT CLASS 1, TYPE B TREATMENT AT CULVERTS, W=5' L=10'
  SEE CONSTRUCTION DETAILS

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	EROSION CONTOL PLAN	SHEET 34	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_EROSION CONTROL.DWG
LAYOUT NAME - Layout 4
PLOT DATE : 10/29/2021 2:08 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : ###########
WISDOT/CADDS SHEET 44







PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	STORM SEWER PLAN	SHEET 35	E

FILE NAME : LAYOUT NAME - 'B'-LINE (FLAT IRON AVE) STORM SEWER | PLOT DATE : | PLOT BY : | PLOT SCALE : ########## | PLOT SCALE : | LAYOUT :

2

2

BEGIN PROJECT
STA. 11+00

1-02 SPEED LIMIT 35 R2-1 24"X30"

1-03R SPEED LIMIT 35 REMOVE

FINISHED C/L CTH ET

RC: 18+20.12

PT: 18+69.39

N

MATCHLINE STA. 20+00

1-00 SPEED LIMIT 35 R2-1 24"X30"

1-01R SPEED LIMIT 35 REMOVE

1-04 SPEED LIMIT 55 R2-1 24"X30"

1-05R END SPEED ZONE REMOVE

LEGEND

- REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS/MOVING SIGNS TYPE II/MOVING SMALL SIGN SUPPORTS
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- Ⓐ PAVEMENT MARKING 4-INCH EPOXY (DOUBLE YELLOW)
- Ⓑ PAVEMENT MARKING 4-INCH EPOXY (WHITE EDGELINE)
- Ⓒ PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- ESTR EXISTING SIGN TO REMAIN
- (XXXX) DESIGNATES SIGN NUMBER

2-00R SPEED LIMIT 35 REMOVE

2-01 SPEED LIMIT 35 W3-5 36"X36"

FINISHED C/L CTH ET

* TOWNSHIP WILL REMOVE STREET SIGNS PRIOR TO CONSTRUCTION AND RE-ERECT POST CONSTRUCTION

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

FINISHED C/L 'H'-LINE (DRAINAGE DITCH)

* GOLIATH RD
* COUNTY ET

H 108

BEGIN CONSTRUCTION
STA. 200'A'+00

200'A'

FINISHED C/L 'A'-LINE (GOLIATH RD)

2-04 STOP R1-1 30"X30"

2-05R STOP REMOVE

201'A'

MATCHLINE STA. 20+00

MATCHLINE STA. 29+00

2-02 W1-2R 30"X30"

2-03 35 MPH W13-1 18"X18"

REMOVE

END CONSTRUCTION
STA. 201'A'+18.35

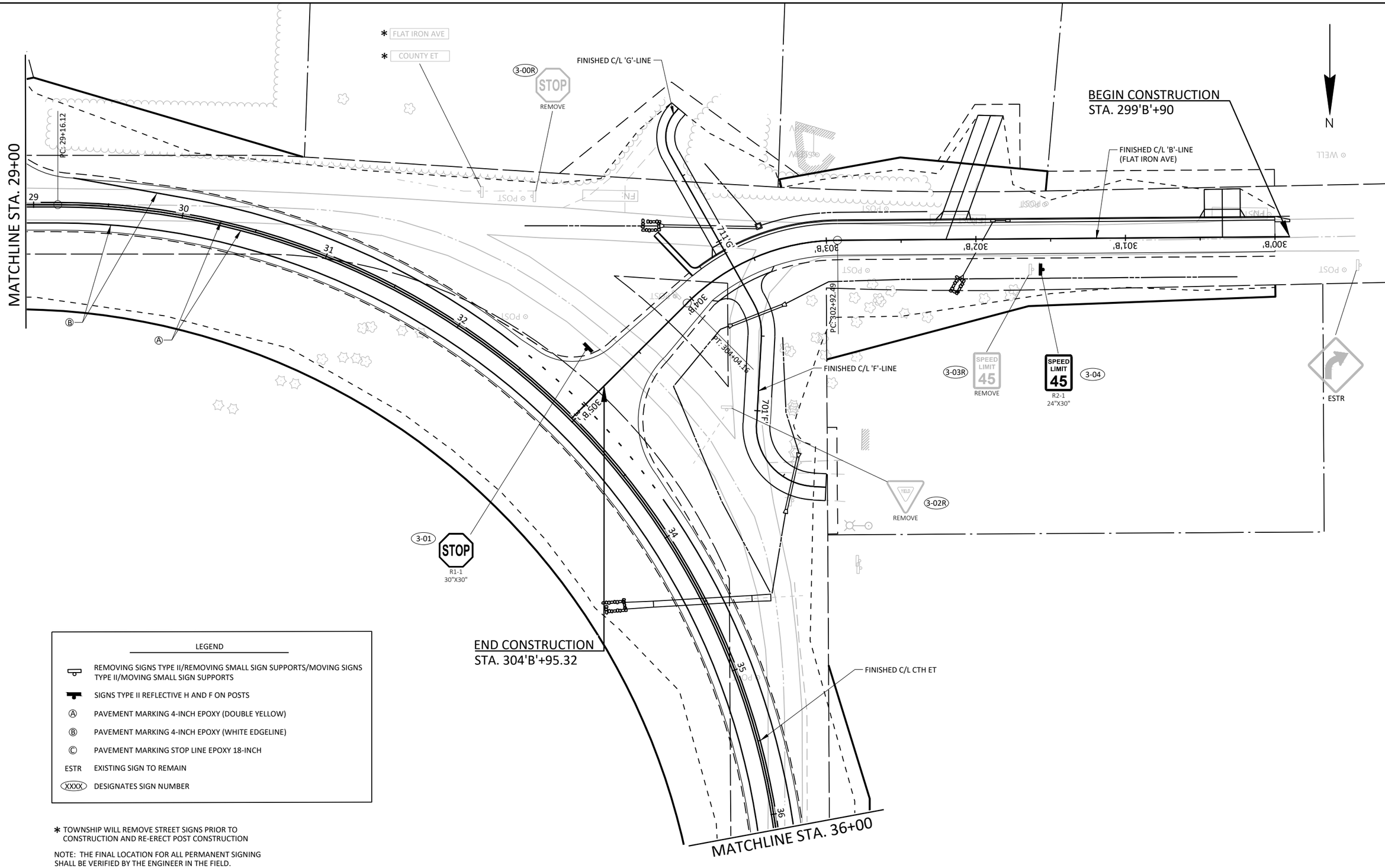
2-06R

2-07R 35 MPH REMOVE

N

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PERMANENT SIGNING/PAVEMENT MARKING PLAN	SHEET 36	E

2



LEGEND

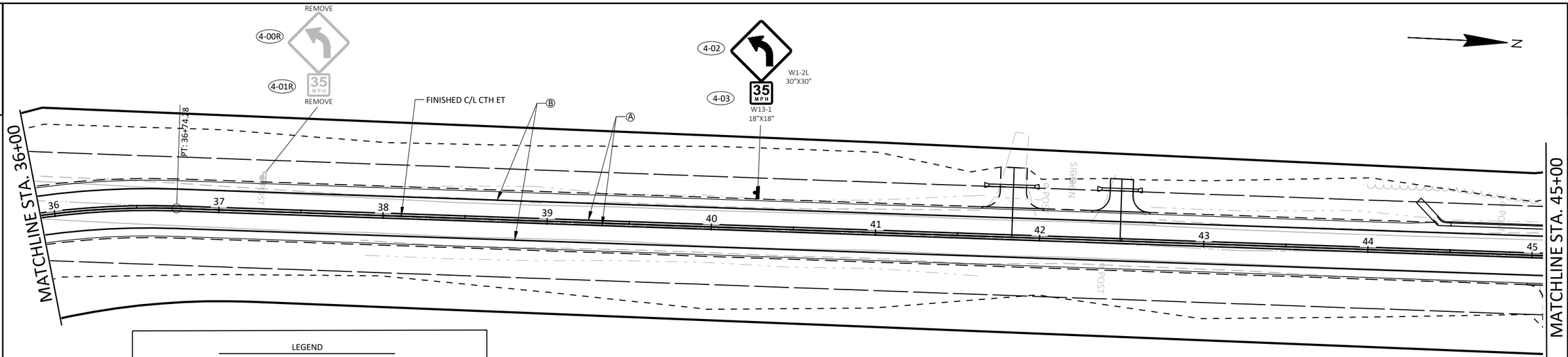
	REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS/MOVING SIGNS TYPE II/MOVING SMALL SIGN SUPPORTS
	SIGNS TYPE II REFLECTIVE H AND F ON POSTS
Ⓐ	PAVEMENT MARKING 4-INCH EPOXY (DOUBLE YELLOW)
Ⓑ	PAVEMENT MARKING 4-INCH EPOXY (WHITE EDGELINE)
Ⓒ	PAVEMENT MARKING STOP LINE EPOXY 18-INCH
ESTR	EXISTING SIGN TO REMAIN
XXXX	DESIGNATES SIGN NUMBER

* TOWNSHIP WILL REMOVE STREET SIGNS PRIOR TO CONSTRUCTION AND RE-ERECT POST CONSTRUCTION

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PERMANENT SIGNING/PAVEMENT MARKING PLAN	SHEET	E

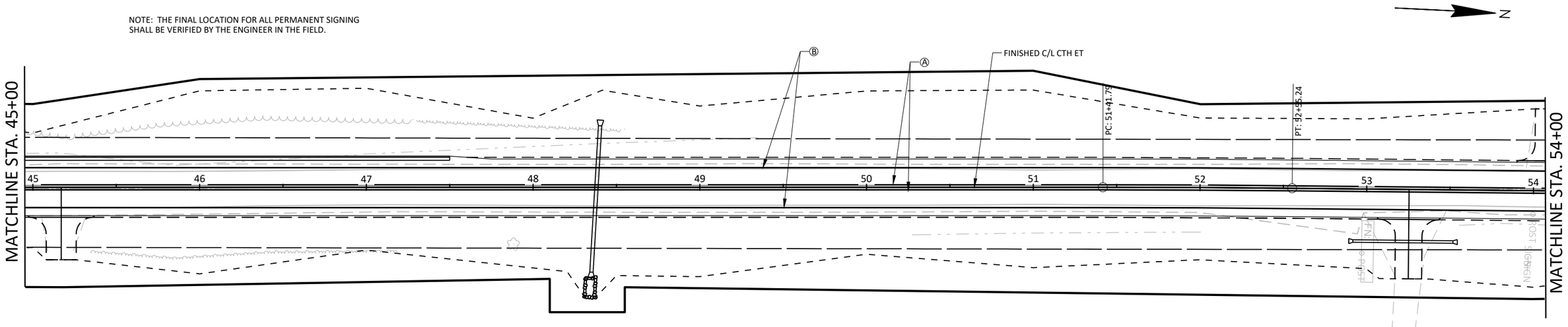
FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_SIGNING & PAVEMENT MARKING.DWG
PLOT DATE : 2/9/2022 1:27:41 PM
PLOT BY : KARTER ZAJICEK
PLOT SCALE : 1" = 1'
LAYOUT : LAYOUT 2



LEGEND

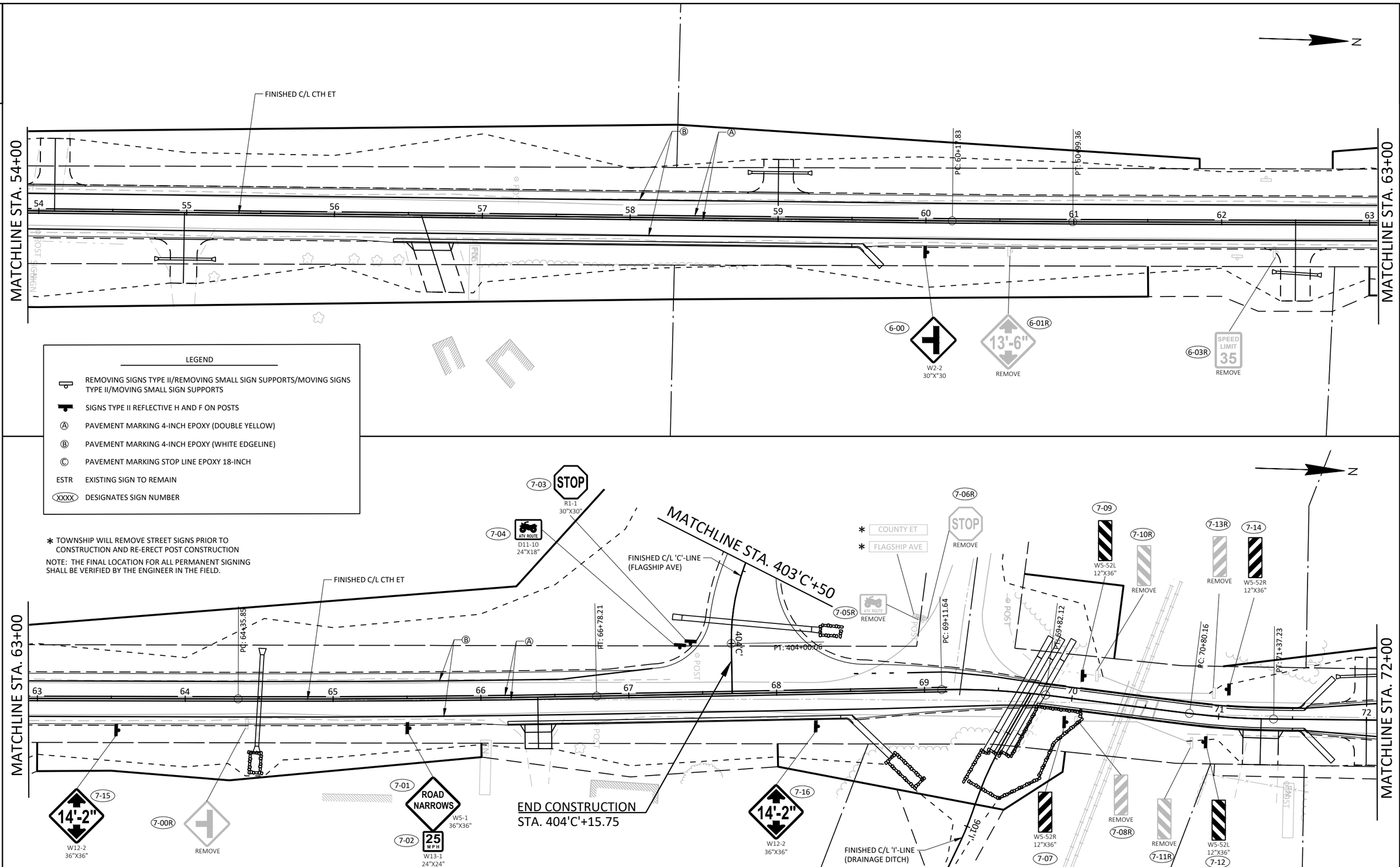
- REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS/MOVING SIGNS TYPE II/MOVING SMALL SIGN SUPPORTS
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- Ⓐ PAVEMENT MARKING 4-INCH EPOXY (DOUBLE YELLOW)
- Ⓑ PAVEMENT MARKING 4-INCH EPOXY (WHITE EDGELINE)
- Ⓒ PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- ESTR EXISTING SIGN TO REMAIN
- (XXXX) DESIGNATES SIGN NUMBER

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PERMANENT SIGNING/PAVEMENT MARKING PLAN	SHEET 38	E

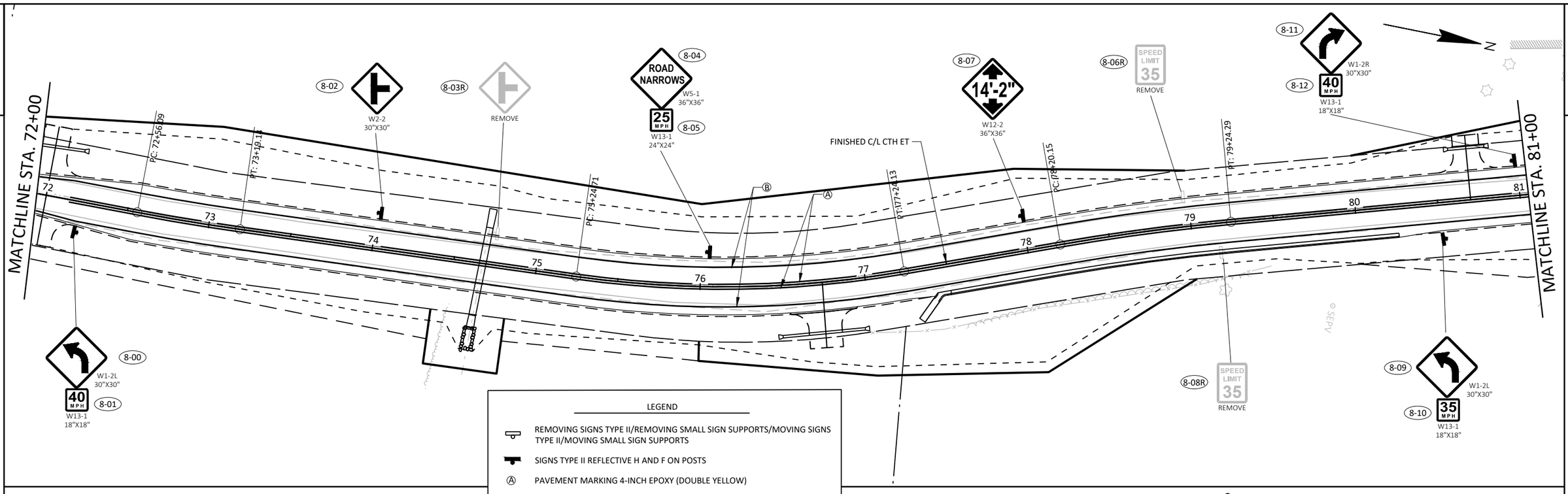
2



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PERMANENT SIGNING/PAVEMENT MARKING PLAN	SHEET 39	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_SIGNING & PAVEMENT MARKING.DWG
PLOT DATE : 2/9/2022 1:30:58 PM
PLOT BY : KARTER ZAJICEK
PLOT SCALE : 1" = 1'
LAYOUT : LAYOUT 4

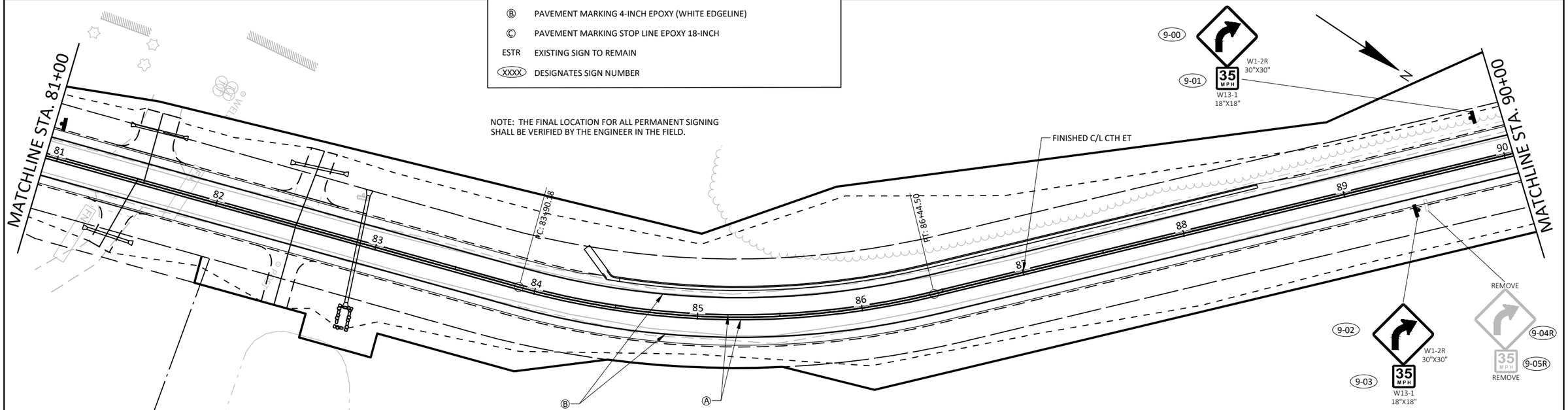
2



LEGEND

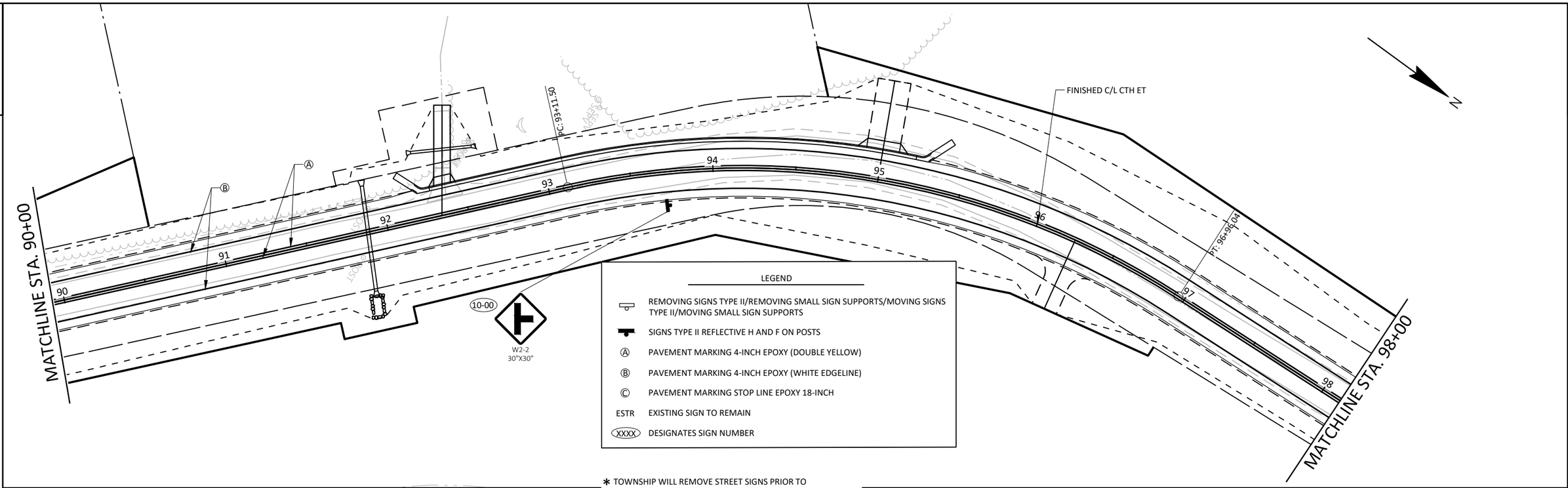
- REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS/MOVING SIGNS TYPE II/MOVING SMALL SIGN SUPPORTS
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- Ⓐ PAVEMENT MARKING 4-INCH EPOXY (DOUBLE YELLOW)
- Ⓑ PAVEMENT MARKING 4-INCH EPOXY (WHITE EDGELINE)
- Ⓒ PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- ESTR EXISTING SIGN TO REMAIN
- (XXXX) DESIGNATES SIGN NUMBER

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.



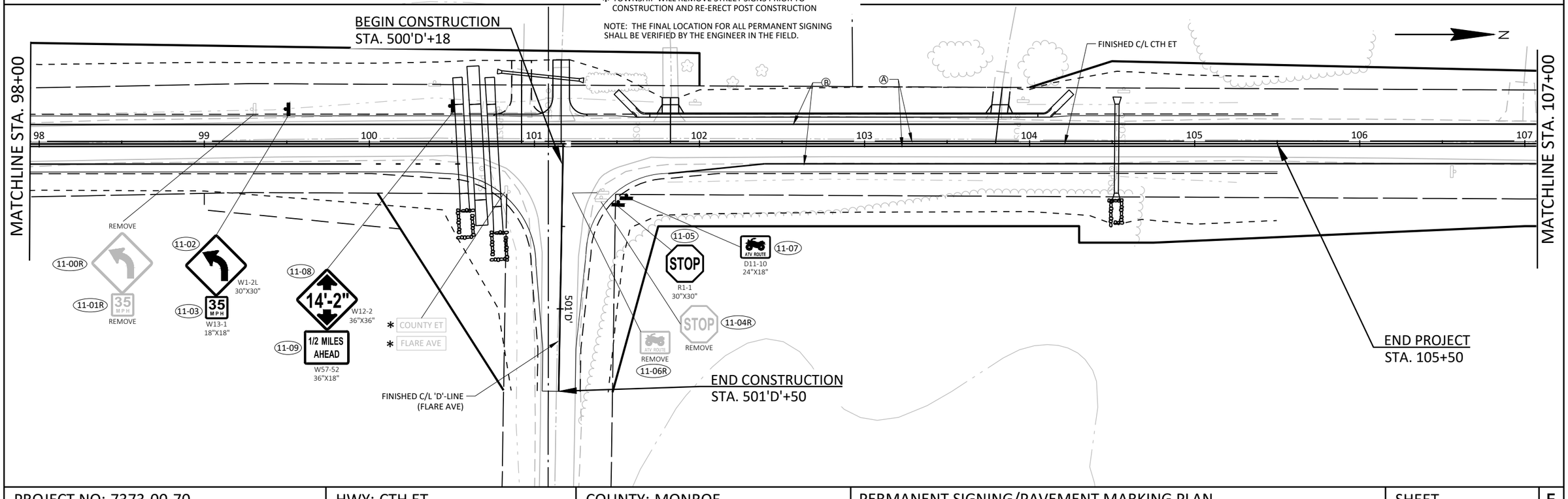
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PERMANENT SIGNING/PAVEMENT MARKING PLAN	SHEET 40	E

2



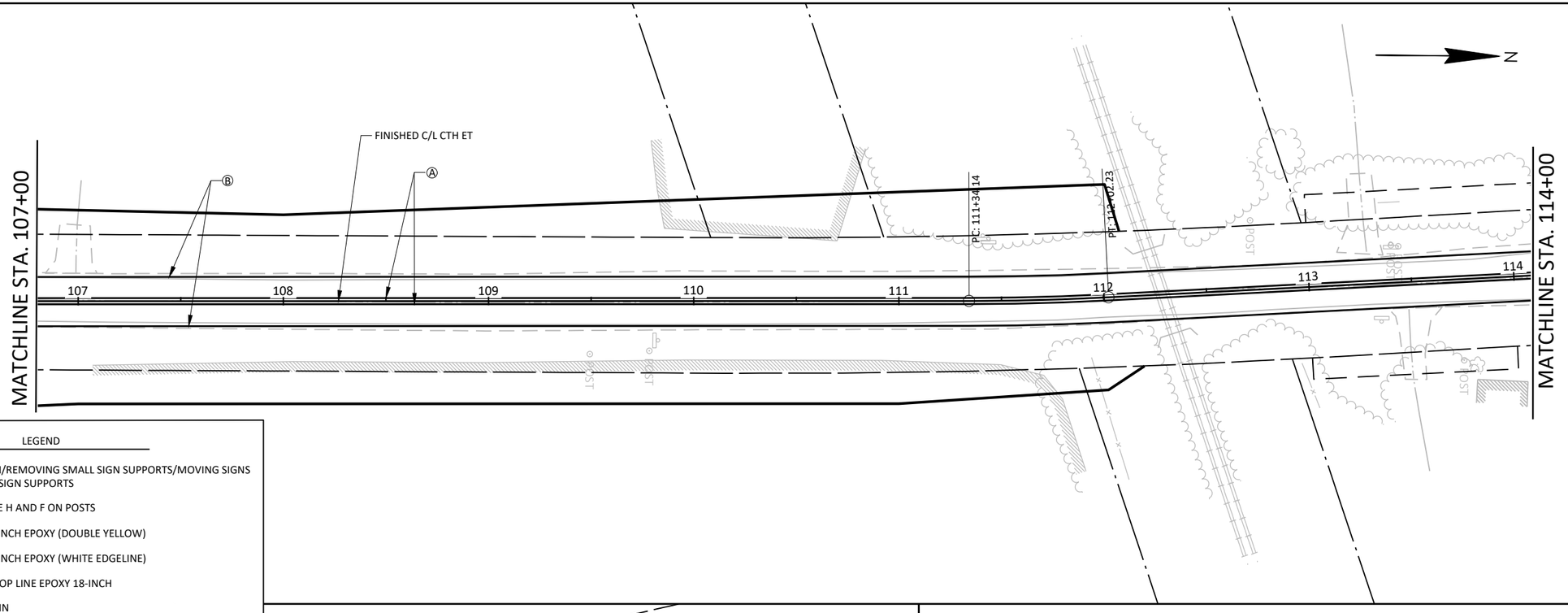
* TOWNSHIP WILL REMOVE STREET SIGNS PRIOR TO CONSTRUCTION AND RE-ERECT POST CONSTRUCTION

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PERMANENT SIGNING/PAVEMENT MARKING PLAN	SHEET 41	E

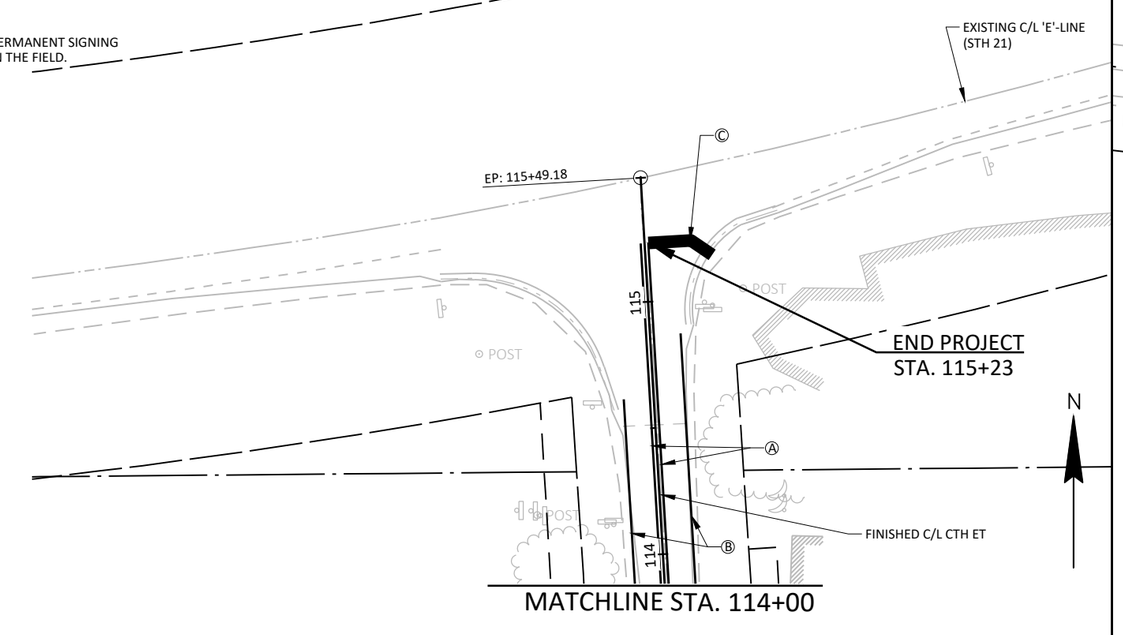
2

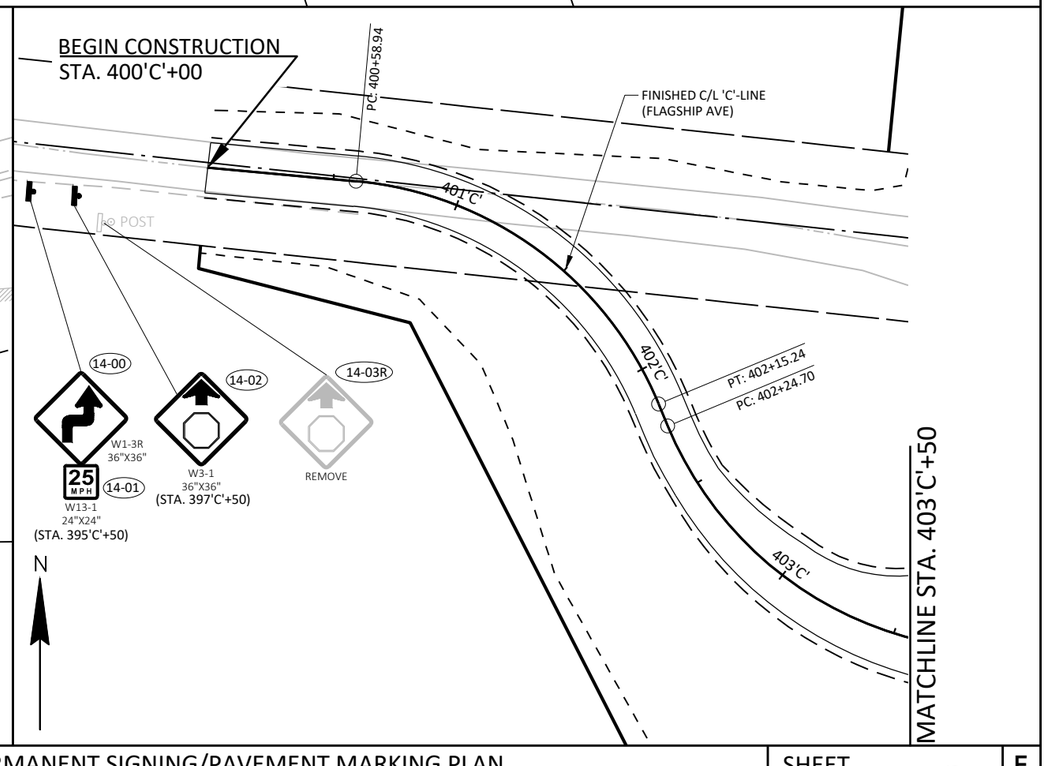


LEGEND

- REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS/MOVING SIGNS TYPE II/MOVING SMALL SIGN SUPPORTS
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- Ⓐ PAVEMENT MARKING 4-INCH EPOXY (DOUBLE YELLOW)
- Ⓑ PAVEMENT MARKING 4-INCH EPOXY (WHITE EDGELINE)
- Ⓒ PAVEMENT MARKING STOP LINE EPOXY 18-INCH
- ESTR EXISTING SIGN TO REMAIN
- (XXXX) DESIGNATES SIGN NUMBER

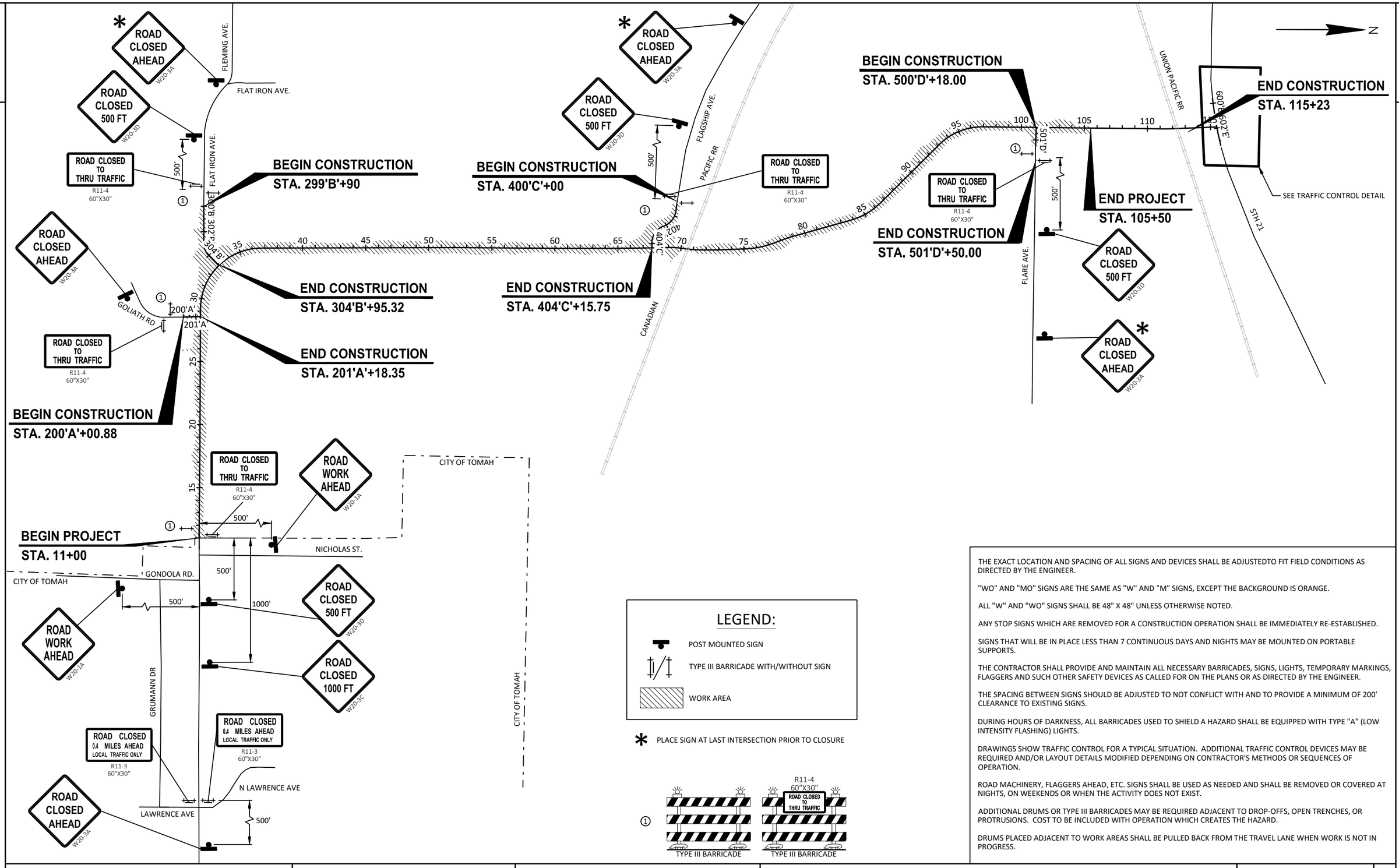
NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.





PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PERMANENT SIGNING/PAVEMENT MARKING PLAN	SHEET	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_SIGNING & PAVEMENT MARKING.DWG
PLOT DATE : 2/9/2022 1:35:57 PM
PLOT BY : KARTER ZAJICEK
PLOT SCALE : 1" = 1'
LAYOUT : LAYOUT 7



LEGEND:

- POST MOUNTED SIGN
- TYPE III BARRICADE WITH/WITHOUT SIGN
- WORK AREA

* PLACE SIGN AT LAST INTERSECTION PRIOR TO CLOSURE

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTEDTO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.

ALL "W" AND "WO" SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.

ANY STOP SIGNS WHICH ARE REMOVED FOR A CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, LIGHTS, TEMPORARY MARKINGS, FLAGGERS AND SUCH OTHER SAFETY DEVICES AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200' CLEARANCE TO EXISTING SIGNS.

DURING HOURS OF DARKNESS, ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTOR'S METHODS OR SEQUENCES OF OPERATION.

ROAD MACHINERY, FLAGGERS AHEAD, ETC. SIGNS SHALL BE USED AS NEEDED AND SHALL BE REMOVED OR COVERED AT NIGHTS, ON WEEKENDS OR WHEN THE ACTIVITY DOES NOT EXIST.

ADDITIONAL DRUMS OR TYPE III BARRICADES MAY BE REQUIRED ADJACENT TO DROP-OFFS, OPEN TRENCHES, OR PROTRUSIONS. COST TO BE INCLUDED WITH OPERATION WHICH CREATES THE HAZARD.

DRUMS PLACED ADJACENT TO WORK AREAS SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	TRAFFIC CONTROL OVERVIEW	SHEET 43	E

2

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTEDTO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS, EXCEPT THE BACKGROUND IS ORANGE.

ALL "W" AND "WO" SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.

ANY STOP SIGNS WHICH ARE REMOVED FOR A CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, LIGHTS, TEMPORARY MARKINGS, FLAGGERS AND SUCH OTHER SAFETY DEVICES AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200' CLEARANCE TO EXISTING SIGNS.

DURING HOURS OF DARKNESS, ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

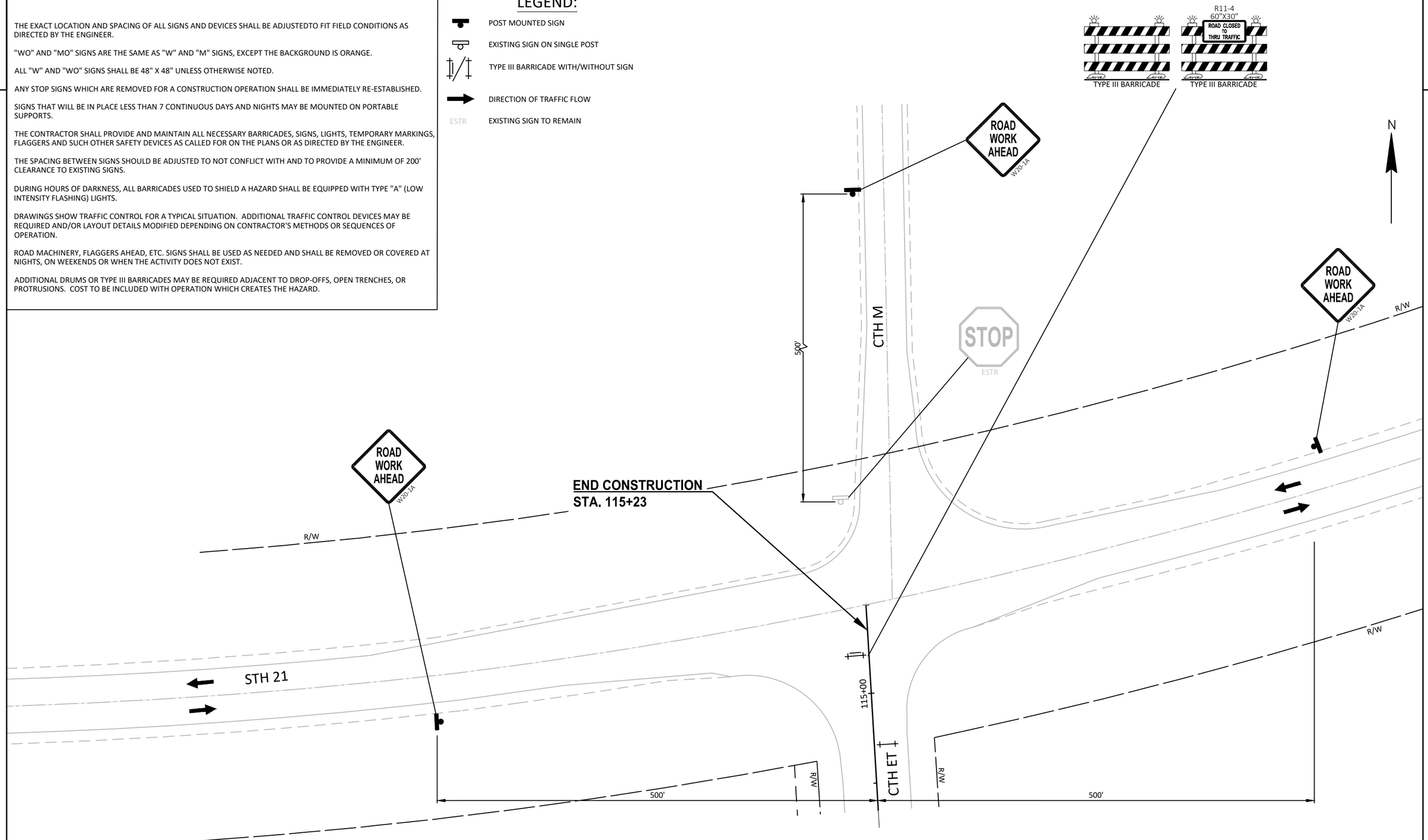
DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTOR'S METHODS OR SEQUENCES OF OPERATION.

ROAD MACHINERY, FLAGGERS AHEAD, ETC. SIGNS SHALL BE USED AS NEEDED AND SHALL BE REMOVED OR COVERED AT NIGHTS, ON WEEKENDS OR WHEN THE ACTIVITY DOES NOT EXIST.

ADDITIONAL DRUMS OR TYPE III BARRICADES MAY BE REQUIRED ADJACENT TO DROP-OFFS, OPEN TRENCHES, OR PROTRUSIONS. COST TO BE INCLUDED WITH OPERATION WHICH CREATES THE HAZARD.

LEGEND:

- POST MOUNTED SIGN
- EXISTING SIGN ON SINGLE POST
- TYPE III BARRICADE WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- ESTR — EXISTING SIGN TO REMAIN



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	TRAFFIC CONTROL DETAIL	SHEET 44	E

2

2

CP 1

11 12 13 14 15 16 17 18 19 20 21 2

S89°26'05"W

PC: 18+20.12

PT: 18+69.39

CURVE 1

MATCHLINE STA. 22+00

N

BEGIN PROJECT
STA. 11+00
Y=394,869.79
X=698,829.97

CURVE 1
PI STA. = 18+44.75
Y = 394,862.44
X = 698,085.26
R = 11100.00
D = 0°30'58"
DELTA = 0°15'15"
L = 49.26
T = 24.63
C = 49.26
PC STA. = 18+20.12
Y = 394,862.69
X = 698,109.89
PT STA. = 18+69.39
Y = 394,862.09
X = 698,060.63
S.E. = N.C.
RO = N/A
S.E. TRANS = N/A

BEGIN CONSTRUCTION
STA. 299'B'+90

300'B' 301'B' 302'B' 303'B' 304'B'

CURVE 14

N

BEGIN CONSTRUCTION
STA. 200'A'+00.00

200'A' N02°41'33"W 201'A'

END CONSTRUCTION
STA. 201'A'+18.35

CP 3

23 24 25 26 27 28 29 30 31 32 33 34 35

S89°10'49"W

PC: 29+16.12

CURVE 2

END CONSTRUCTION
STA. 304'B'+95.32

PC: 302+92.49

PT: 304+04.16

CP 4

CURVE 14
PI STA. = 303+51.30
Y = 394,864.70
X = 696,551.07
R = 144.00
D = 39°47'19"
DELTA = 44°25'49"
L = 111.67
T = 58.81
C = 108.89
PC STA. = 302+92.49
Y = 394,863.39
X = 696,492.27
PT STA. = 304+04.16
Y = 394,906.79
X = 696,592.14
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

CURVE 2
PI STA. = 33+97.46
Y = 394,840.23
X = 696,532.71
R = 485.00
D = 11°48'49"
DELTA = 89°33'58"
L = 758.16
T = 481.34
C = 683.29
PC STA. = 29+16.12
Y = 394,847.12
X = 697,014.00
PT STA. = 36+74.28
Y = 395,321.46
X = 696,522.18
S.E. = 6.0%
RO = 124'
S.E. TRANS = 165'

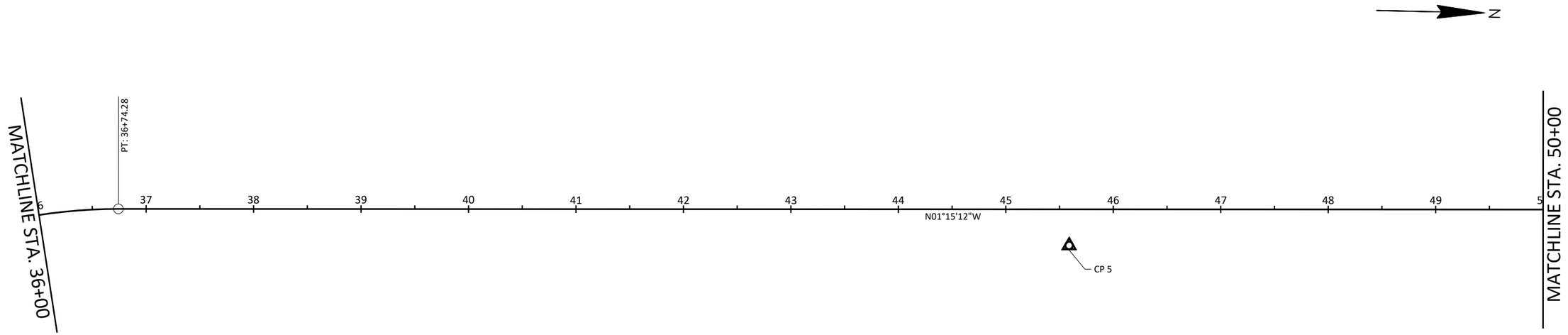
MATCHLINE STA. 36+00

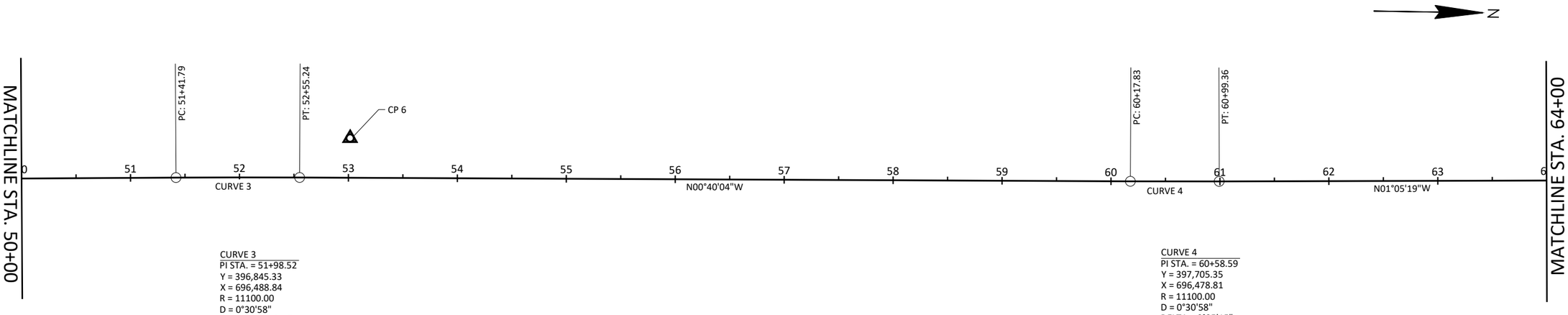
MATCHLINE STA. 22+00

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	ALIGNMENT DETAILS	SHEET 45	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_ALIGNMENT DETAILS.DWG
LAYOUT NAME - Layout 1

PLOT DATE : 10/29/2021 2:09 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : ##########





CURVE 3
PI STA. = 51+98.52
Y = 396,845.33
X = 696,488.84
R = 11100.00
D = 0°30'58"
DELTA = 0°35'08"
L = 113.45
T = 56.72
C = 113.45
PC STA. = 51+41.79
Y = 396,788.62
X = 696,490.08
PT STA. = 52+55.24
Y = 396,902.05
X = 696,488.18
S.E. = N.C.
RO = N/A
S.E. TRANS = N/A

CURVE 4
PI STA. = 60+58.59
Y = 397,705.35
X = 696,478.81
R = 11100.00
D = 0°30'58"
DELTA = 0°25'15"
L = 81.53
T = 40.77
C = 81.53
PC STA. = 60+17.83
Y = 397,664.58
X = 696,479.29
PT STA. = 60+99.36
Y = 397,746.11
X = 696,478.04
S.E. = N.C.
RO = N/A
S.E. TRANS = N/A

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	ALIGNMENT DETAILS	SHEET 46	E

2

BEGIN CONSTRUCTION
STA. 400'C'+00

END CONSTRUCTION
STA. 404'C'+15.75

N

MATCHLINE STA. 64+00

MATCHLINE STA. 79+00

MATCHLINE STA. 94+00

CURVE 5
PI STA. = 65+57.03
Y = 398,203.70
X = 696,469.34
R = 11100.00
D = 0°30'58"
DELTA = 1°15'04"
L = 242.37
T = 121.19
C = 242.36
PC STA. = 64+35.85
Y = 398,082.53
X = 696,471.65
PT STA. = 66+78.21
Y = 398,324.78
X = 696,464.40
S.E. = N.C.
RO = N/A
S.E. TRANS = N/A

CURVE 16
PI STA. = 403+25.10
Y = 398,411.02
X = 696,326.66
R = 144.00
D = 39°47'19"
DELTA = 69°46'25"
L = 175.36
T = 100.41
C = 164.72
PC STA. = 402+24.70
Y = 398,503.74
X = 696,288.13
PT STA. = 404+00.06
Y = 398,415.12
X = 696,426.98
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

CURVE 15
PI STA. = 401+45.79
Y = 398,592.68
X = 696,251.17
R = 144.00
D = 39°47'19"
DELTA = 62°11'33"
L = 156.31
T = 86.85
C = 148.75
PC STA. = 400+58.94
Y = 398,600.61
X = 696,164.68
PT STA. = 402+15.24
Y = 398,512.47
X = 696,284.50
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

CURVE 6
PI STA. = 69+46.94
Y = 398,593.29
X = 696,453.43
R = 485.00
D = 11°48'49"
DELTA = 8°19'33"
L = 70.48
T = 35.30
C = 70.41
PC STA. = 69+11.64
Y = 398,558.02
X = 696,454.87
PT STA. = 69+82.12
Y = 398,628.40
X = 696,457.11
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

CURVE 7
PI STA. = 71+08.73
Y = 398,754.32
X = 696,470.31
R = 485.00
D = 11°48'49"
DELTA = 6°44'29"
L = 57.07
T = 28.57
C = 57.03
PC STA. = 70+80.16
Y = 398,725.91
X = 696,467.33
PT STA. = 71+37.23
Y = 398,782.88
X = 696,469.93
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

CURVE 8
PI STA. = 72+87.62
Y = 398,933.26
X = 696,467.95
R = 1330.00
D = 4°18'29"
DELTA = 2°42'58"
L = 63.05
T = 31.53
C = 63.04
PC STA. = 72+56.09
Y = 398,901.73
X = 696,468.37
PT STA. = 73+19.14
Y = 398,964.73
X = 696,466.04
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

CURVE 9
PI STA. = 76+25.22
Y = 399,270.26
X = 696,447.51
R = 643.00
D = 8°54'39"
DELTA = 17°46'12"
L = 199.42
T = 100.52
C = 198.62
PC STA. = 75+24.71
Y = 399,169.92
X = 696,453.60
PT STA. = 77+24.13
Y = 399,363.95
X = 696,411.09
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

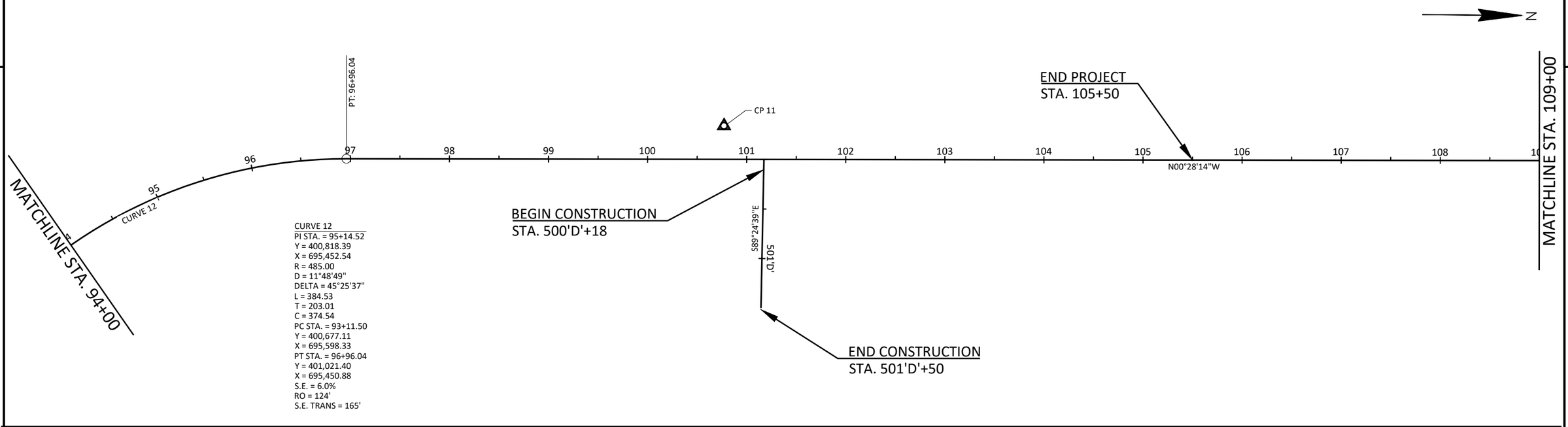
CURVE 10
PI STA. = 78+72.25
Y = 399,502.00
X = 696,357.43
R = 1330.00
D = 4°18'29"
DELTA = 4°29'11"
L = 104.14
T = 52.10
C = 104.12
PC STA. = 78+20.15
Y = 399,453.44
X = 696,376.30
PT STA. = 79+24.29
Y = 399,551.89
X = 696,342.41
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

CURVE 11
PI STA. = 85+20.16
Y = 400,122.46
X = 696,170.63
R = 500.00
D = 11°27'33"
DELTA = 29°08'34"
L = 254.32
T = 129.97
C = 251.59
PC STA. = 83+90.18
Y = 399,998.00
X = 696,208.10
PT STA. = 86+44.50
Y = 400,212.91
X = 696,077.30
S.E. = 6.0%
RO = 124'
S.E. TRANS = 165'

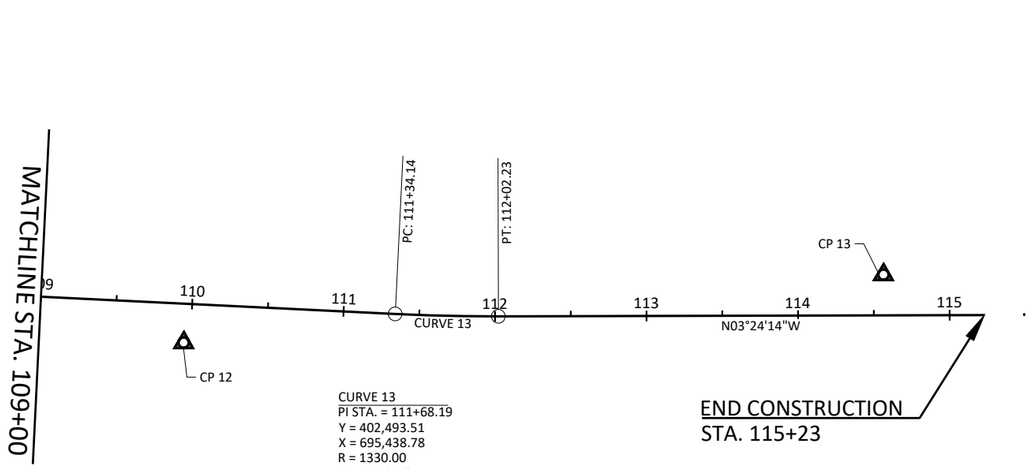
CP 7
CP 8
CP 9
CP 10

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	ALIGNMENT DETAILS	SHEET 47	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\DETAILS\73730070_ALIGNMENT DETAILS.DWG
LAYOUT NAME - Layout 3
PLOT DATE : 10/29/2021 2:09 PM
PLOT BY : JONAH DRAKE
PLOT NAME :
PLOT SCALE : ############
WISDOT/CADDS SHEET 44

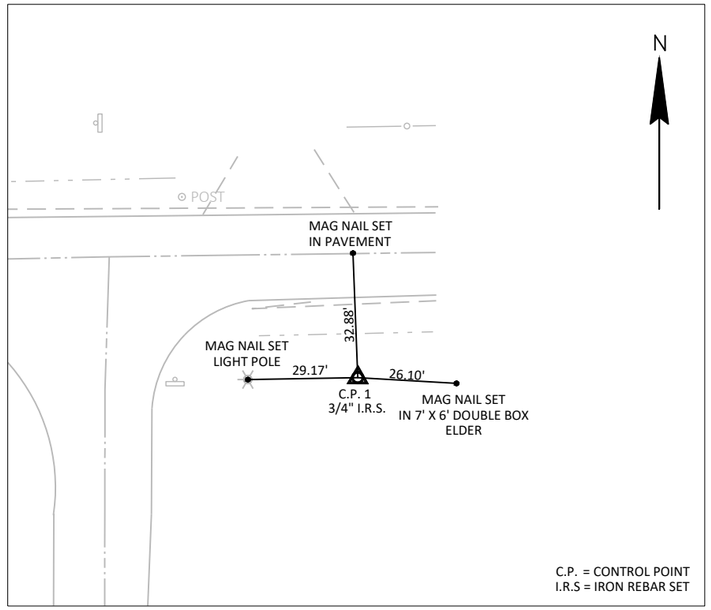


CURVE 12
PI STA. = 95+14.52
Y = 400,818.39
X = 695,452.54
R = 485.00
D = 11°48'49"
DELTA = 45°25'37"
L = 384.53
T = 203.01
C = 374.54
PC STA. = 93+11.50
Y = 400,677.11
X = 695,598.33
PT STA. = 96+96.04
Y = 401,021.40
X = 695,450.88
S.E. = 6.0%
RO = 124'
S.E. TRANS = 165'



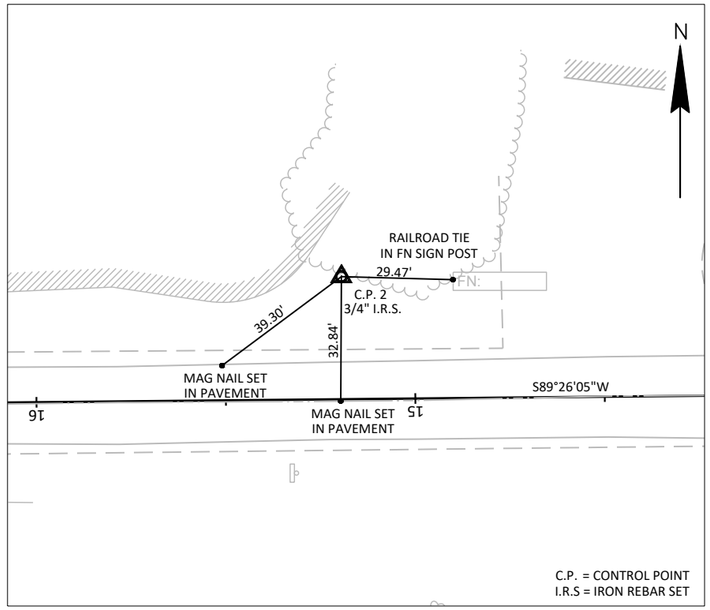
CURVE 13
PI STA. = 111+68.19
Y = 402,493.51
X = 695,438.78
R = 1330.00
D = 4°18'29"
DELTA = 2°55'59"
L = 68.09
T = 34.05
C = 68.08
PC STA. = 111+34.14
Y = 402,459.46
X = 695,439.06
PT STA. = 112+02.23
Y = 402,527.50
X = 695,436.76
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	ALIGNMENT DETAILS	SHEET 48	E



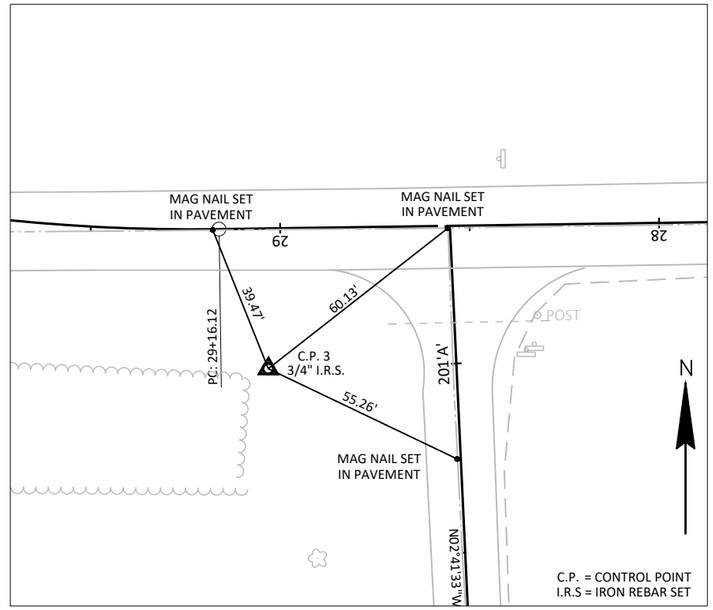
TIES TO C.P.#1

STA. 6+97.62, 32.75' LT
Y = 394,842.11
X = 699,232.77



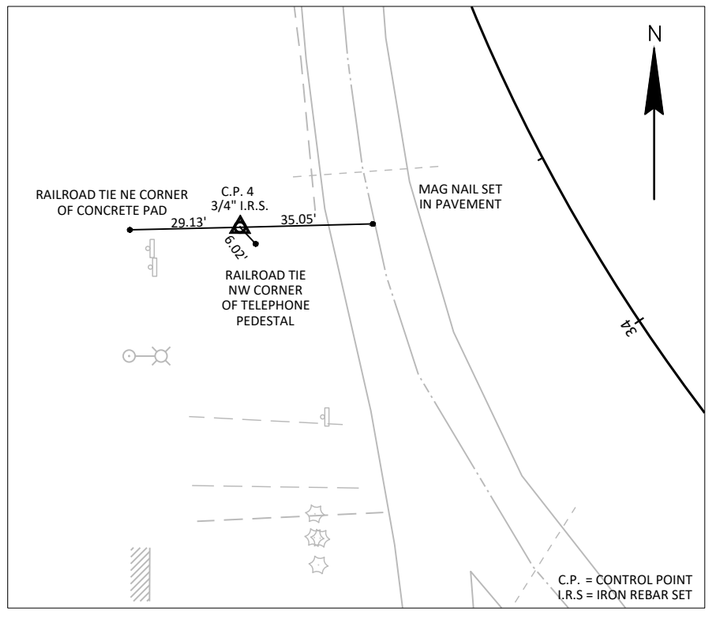
TIES TO C.P.#2

STA. 15+19.21, 32.38' RT
Y = 394,898.04
X = 698,410.47



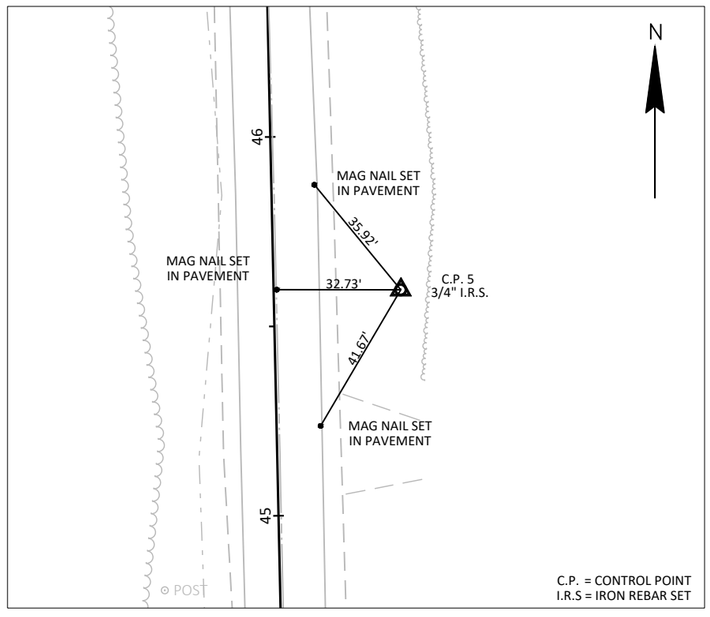
TIES TO C.P.#3

STA. 29+03.65, 36.99' LT
Y = 394,810.31
X = 697,027.00



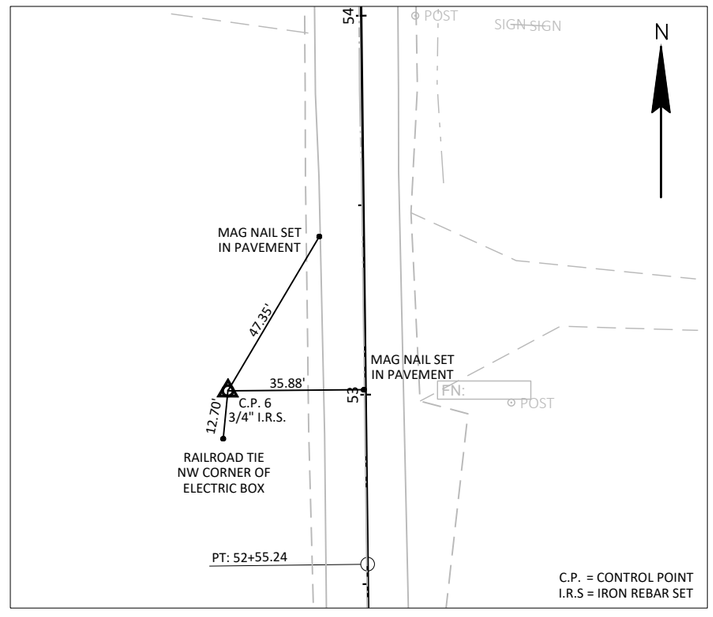
TIES TO C.P.#4

STA. 34+68.02, 79.56' LT
Y = 395,087.95
X = 696,498.02



TIES TO C.P.#5

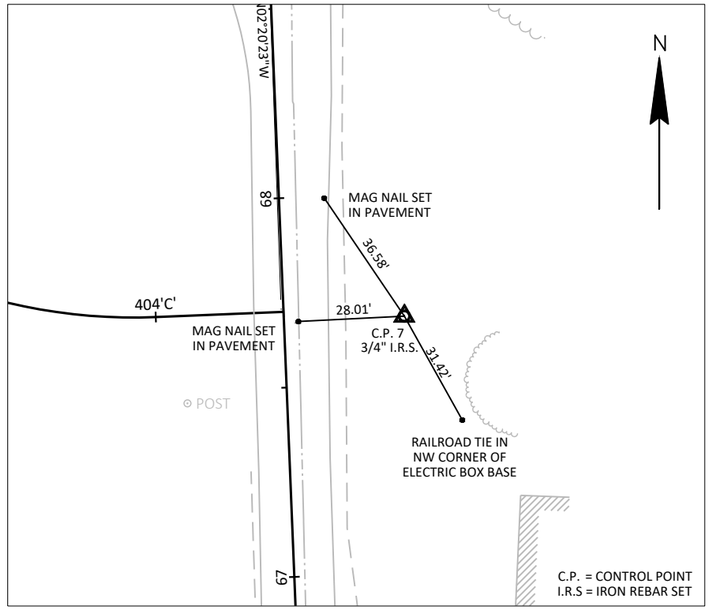
STA. 45+58.90, 33.57' RT
Y = 396,206.60
X = 696,536.39



TIES TO C.P.#6

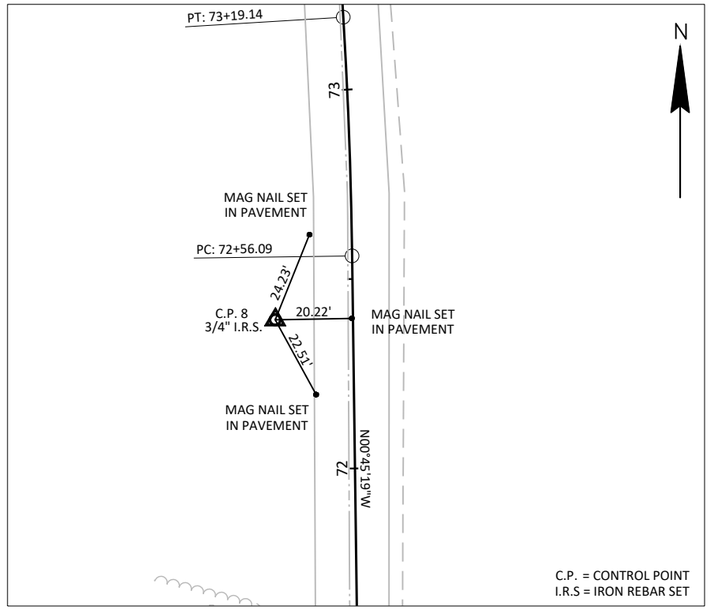
STA. 53+01.42, 36.35' LT
Y = 396,947.81
X = 696,451.29

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CONTROL POINT TIES	SHEET 49	E



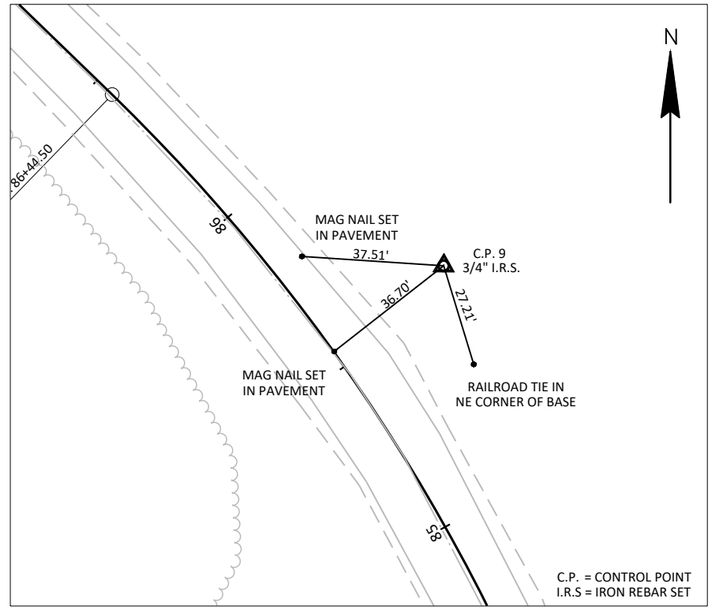
TIES TO C.P.#7

STA. 67+67.59, 31.80' RT
Y = 398,415.38
X = 696,492.52



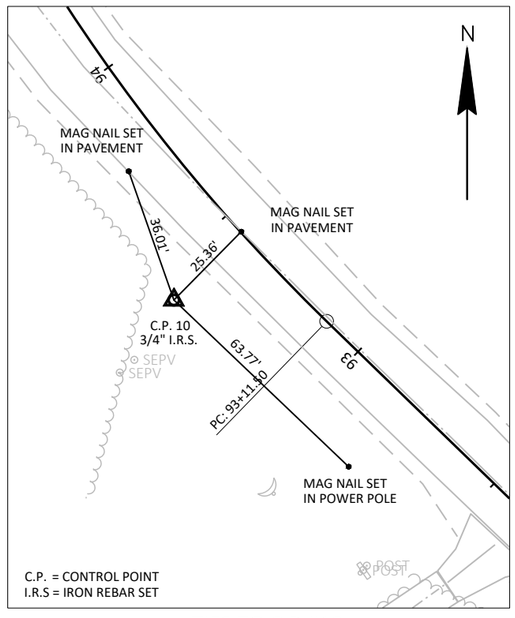
TIES TO C.P.#8

STA. 72+39.52, 20.52' LT
Y = 398,884.89
X = 696,448.07



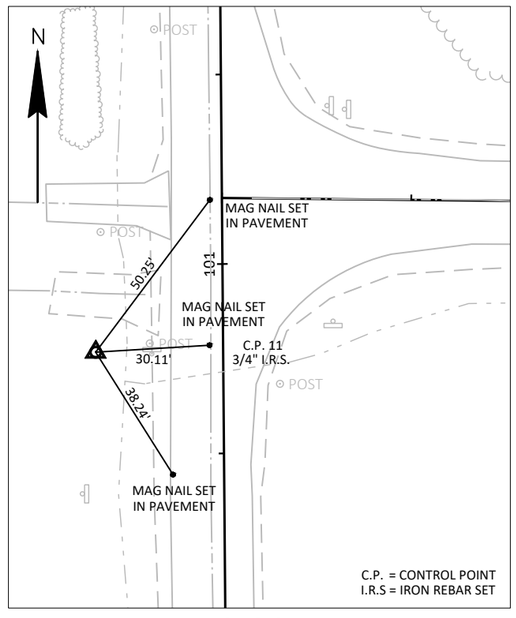
TIES TO C.P.#9

STA. 85+56.25, 36.83' RT
Y = 400,167.77
X = 696,164.82



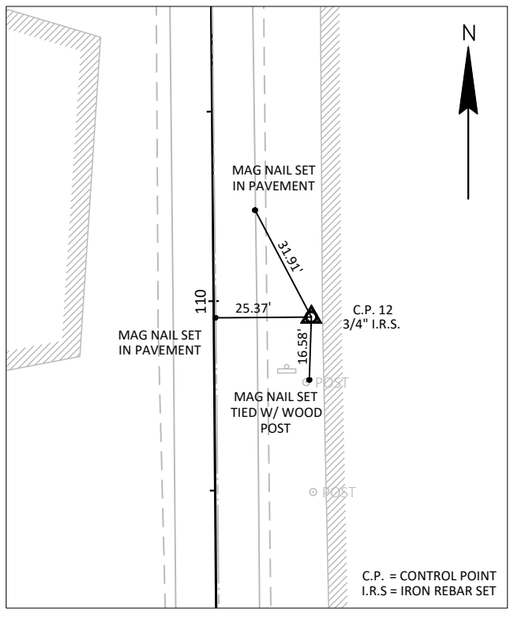
TIES TO C.P.#10

STA. 93+42.80, 25.12' LT
Y = 400,682.73
X = 695,557.97



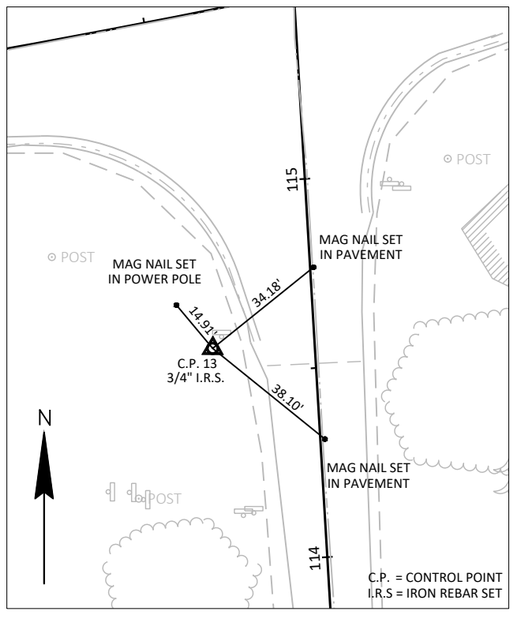
TIES TO C.P.#11

STA. 100+77.00, 33.65' LT
Y = 401,402.08
X = 695,414.10



TIES TO C.P.#12

STA. 109+95.56, 25.76' RT
Y = 402,321.09
X = 695,465.96



TIES TO C.P.#13

STA. 114+56.78, 26.93' LT
Y = 402,780.00
X = 695,394.76

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CONTROL POINT TIES	SHEET 50	E

7373-00-70

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	42.000	42.000
0004	201.0120	Clearing	ID	4.000	4.000
0006	201.0205	Grubbing	STA	42.000	42.000
0008	201.0220	Grubbing	ID	4.000	4.000
0010	203.0100	Removing Small Pipe Culverts	EACH	18.000	18.000
0012	203.0220	Removing Structure (structure) 01. 25+89, 4.2' x 3.2' Concrete Box	EACH	1.000	1.000
0014	204.0180	Removing Delineators and Markers	EACH	24.000	24.000
0016	205.0100	Excavation Common	CY	60,540.000	60,540.000
0018	205.0200	Excavation Rock	CY	1,480.000	1,480.000
0020	213.0100	Finishing Roadway (project) 01. 7373-00-70	EACH	1.000	1.000
0022	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,220.000	2,220.000
0024	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	34,600.000	34,600.000
0026	416.0160	Concrete Driveway 6-Inch	SY	60.000	60.000
0028	455.0605	Tack Coat	GAL	2,030.000	2,030.000
0030	460.2000	Incentive Density HMA Pavement	DOL	5,890.000	5,890.000
0032	460.5223	HMA Pavement 3 LT 58-28 S	TON	5,100.000	5,100.000
0034	460.5224	HMA Pavement 4 LT 58-28 S	TON	4,110.000	4,110.000
0036	465.0105	Asphaltic Surface	TON	11.000	11.000
0038	465.0315	Asphaltic Flumes	SY	220.000	220.000
0040	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	34.000	34.000
0042	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	8.000	8.000
0044	520.1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	6.000	6.000
0046	520.3318	Culvert Pipe Class III-A 18-Inch	LF	568.000	568.000
0048	520.3324	Culvert Pipe Class III-A 24-Inch	LF	390.000	390.000
0050	520.3330	Culvert Pipe Class III-A 30-Inch	LF	120.000	120.000
0052	520.4118	Culvert Pipe Class IV 18-Inch	LF	22.000	22.000
0054	520.4130	Culvert Pipe Class IV 30-Inch	LF	50.000	50.000
0056	521.0348	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 48-Inch 4 to 1	EACH	1.000	1.000
0058	521.0442	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 42-Inch 6 to 1	EACH	6.000	6.000
0060	521.0448	Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 48-Inch 6 to 1	EACH	1.000	1.000
0062	521.0549	Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 49x33-Inch 4 to 1	EACH	1.000	1.000
0064	521.0564	Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 64x43-Inch 4 to 1	EACH	1.000	1.000
0066	521.0649	Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 49x33-Inch 6 to 1	EACH	1.000	1.000
0068	521.0657	Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 57x38-Inch 6 to 1	EACH	6.000	6.000
0070	521.0664	Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 64x43-Inch 6 to 1	EACH	3.000	3.000
0072	521.1524	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	EACH	2.000	2.000
0074	521.1709	Apron Endwalls for Pipe Arch Sloped Side Drains Steel 42x29-Inch 4 to 1	EACH	2.000	2.000
0076	521.3142	Culvert Pipe Corrugated Steel 42-Inch	LF	174.000	174.000
0078	521.3148	Culvert Pipe Corrugated Steel 48-Inch	LF	66.000	66.000
0080	521.3742	Pipe Arch Corrugated Steel 42x29-Inch	LF	88.000	88.000
0082	521.3749	Pipe Arch Corrugated Steel 49x33-Inch	LF	54.000	54.000
0084	521.3757	Pipe Arch Corrugated Steel 57x38-Inch	LF	168.000	168.000
0086	521.3764	Pipe Arch Corrugated Steel 64x43-Inch	LF	116.000	116.000
0088	521.3783	Pipe Arch Corrugated Steel 83x57-Inch	LF	58.000	58.000
0090	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	2.000	2.000
0092	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	3,692.000	3,692.000
0094	606.0100	Riprap Light	CY	29.000	29.000
0096	606.0300	Riprap Heavy	CY	440.000	440.000
0098	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	60.000	60.000

7373-00-70

Line	Item	Item Description	Unit	Total	Qty
0100	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	10.000	10.000
0102	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	38.000	38.000
0104	611.0630	Inlet Covers Type HM-GJ	EACH	2.000	2.000
0106	611.0645	Inlet Covers Type MS-A	EACH	1.000	1.000
0108	611.3230	Inlets 2x3-FT	EACH	2.000	2.000
0110	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0112	618.0100	Maintenance And Repair of Haul Roads (project) 01. 7373-00-70	EACH	1.000	1.000
0114	619.1000	Mobilization	EACH	1.000	1.000
0116	624.0100	Water	MGAL	550.000	550.000
0118	625.0500	Salvaged Topsoil	SY	87,100.000	87,100.000
0120	627.0200	Mulching	SY	41,500.000	41,500.000
0122	628.1504	Silt Fence	LF	8,910.000	8,910.000
0124	628.1520	Silt Fence Maintenance	LF	35,640.000	35,640.000
0126	628.1905	Mobilizations Erosion Control	EACH	11.000	11.000
0128	628.1910	Mobilizations Emergency Erosion Control	EACH	8.000	8.000
0130	628.2002	Erosion Mat Class I Type A	SY	5,100.000	5,100.000
0132	628.2004	Erosion Mat Class I Type B	SY	29,900.000	29,900.000
0134	628.2023	Erosion Mat Class II Type B	SY	3,260.000	3,260.000
0136	628.7005	Inlet Protection Type A	EACH	3.000	3.000
0138	628.7015	Inlet Protection Type C	EACH	2.000	2.000
0140	628.7504	Temporary Ditch Checks	LF	1,240.000	1,240.000
0142	628.7515.S	Stone Ditch Checks	CY	14.000	14.000
0144	628.7555	Culvert Pipe Checks	EACH	230.000	230.000
0146	629.0210	Fertilizer Type B	CWT	56.000	56.000
0148	630.0120	Seeding Mixture No. 20	LB	2,360.000	2,360.000
0150	630.0160	Seeding Mixture No. 60	LB	5.000	5.000
0152	630.0200	Seeding Temporary	LB	590.000	590.000
0154	630.0500	Seed Water	MGAL	1,970.000	1,970.000
0156	631.1000	Sod Lawn	SY	190.000	190.000
0158	633.5200	Markers Culvert End	EACH	40.000	40.000
0160	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	7.000	7.000
0162	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	12.000	12.000
0164	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	15.000	15.000
0166	637.2210	Signs Type II Reflective H	SF	46.720	46.720
0168	637.2230	Signs Type II Reflective F	SF	197.750	197.750
0170	638.2602	Removing Signs Type II	EACH	28.000	28.000
0172	638.3000	Removing Small Sign Supports	EACH	27.000	27.000
0174	642.5201	Field Office Type C	EACH	1.000	1.000
0176	643.0300	Traffic Control Drums	DAY	715.000	715.000
0178	643.0420	Traffic Control Barricades Type III	DAY	1,740.000	1,740.000
0180	643.0705	Traffic Control Warning Lights Type A	DAY	3,450.000	3,450.000
0182	643.0900	Traffic Control Signs	DAY	3,300.000	3,300.000
0184	643.5000	Traffic Control	EACH	1.000	1.000
0186	645.0120	Geotextile Type HR	SY	1,010.000	1,010.000
0188	645.0130	Geotextile Type R	SY	280.000	280.000
0190	646.1020	Marking Line Epoxy 4-Inch	LF	40,430.000	40,430.000
0192	646.6120	Marking Stop Line Epoxy 18-Inch	LF	27.000	27.000
0194	650.4000	Construction Staking Storm Sewer	EACH	5.000	5.000
0196	650.4500	Construction Staking Subgrade	LF	11,134.000	11,134.000

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Line	Item	Item Description	Unit	Total	Qty
0198	650.5000	Construction Staking Base	LF	10,895.000	10,895.000
0200	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	4,038.000	4,038.000
0202	650.6000	Construction Staking Pipe Culverts	EACH	20.000	20.000
0204	650.9910	Construction Staking Supplemental Control (project) 01. 7373-00-70	LS	1.000	1.000
0206	650.9920	Construction Staking Slope Stakes	LF	11,134.000	11,134.000
0208	690.0150	Sawing Asphalt	LF	264.000	264.000
0210	740.0440	Incentive IRI Ride	DOL	7,160.000	7,160.000
0212	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,600.000	1,600.000
0214	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	800.000	800.000
0216	SPV.0060	Special 01. Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 83x57 - Inch 4 to 1	EACH	1.000	1.000
0218	SPV.0060	Special 02. Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 83x57 - Inch 6 to 1	EACH	1.000	1.000
0220	SPV.0060	Special 03. Reestablish Section Corner Monument	EACH	2.000	2.000
0222	SPV.0090	Special 01. Asphaltic Centerline Rumble Strips Sinusoidal 2-Lane Rural	LF	8,719.000	8,719.000
0224	SPV.0090	Special 02. Asphaltic Shoulder Rumble Strips Sinusoidal 2-Lane Rural	LF	18,036.000	18,036.000
0226	SPV.0090	Special 03. Concrete Curb & Gutter 6-Inch Sloped 24-Inch Type J	LF	346.000	346.000

ALL BID ITEMS ARE CATEGORY 010 UNLESS OTHERWISE NOTED

CLEARING & GRUBBING

STATION - STATION	LOCATION	CLEARING 201.0105 (STA.)	CLEARING 201.0120 (ID)	GRUBBING 201.0205 (STA.)	GRUBBING 201.0220 (ID)
15+00 - 16+00	MAINLINE, RT.	1	-	1	-
16+00 - 18+00	MAINLINE, LT.	2	-	2	-
25+00 - 26+00	MAINLINE, LT.	1	-	1	-
29+00 - 32+00	MAINLINE, LT. & RT.	3	-	3	-
44+00 - 48+00	MAINLINE, LT. & RT.	4	-	4	-
55+00 - 59+00	MAINLINE, RT.	4	-	4	-
66+66	MAINLINE, RT.	-	4	-	4
68+00 - 70+00	MAINLINE, RT.	2	-	2	-
71+00 - 72+00	MAINLINE, LT.	1	-	1	-
77+00 - 79+00	MAINLINE, RT.	2	-	2	-
85+00 - 95+00	MAINLINE, LT.	10	-	10	-
103+00 - 105+00	MAINLINE, LT. & RT.	2	-	2	-
105+00 - 106+00	MAINLINE, LT.	1	-	1	-
200'A'+00 - 201'A'+00	GOLIATH RD, LT. & RT.	1	-	1	-
300'B'+00 - 302'B'+00	FLAT IRON AVE, LT.	1	-	1	-
302'B'+00 - 303'B'+00	FLAT IRON AVE, LT. & RT.	1	-	1	-
303'B'+00 - 304'B'+00	FLAT IRON AVE, RT.	1	-	1	-
400'C'+00 - 401'C'+00	FLAGSHIP AVE, LT.	1	-	1	-
500'D'+00 - 502'D'+00	FLARE AVE, LT.	2	-	2	-
700'F'+00 - 702'F'+00	F' LINE, LT.	2	-	2	-
	TOTALS =	42	4	42	4

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	DESCRIPTION	203.0100 EACH
11+11	MAINLINE	18" CMP; L=38'	1
17+56	MAINLINE	15" CMP; L=44'	1
33+65	MAINLINE	15" CMP; L=38'	1
34+68	MAINLINE	24" CMP; L=39'	1
41+83	MAINLINE, LT.	15" CMP; L=30'	1
42+50	MAINLINE, LT.	15" CMP; L=30'	1
48+38	MAINLINE	18" CMP; L=55'	1
64+50	MAINLINE	24" CMP; L=46'	1
69+85	MAINLINE	30" CMP; L=82'	1
74+67	MAINLINE	24" CMP; L=41'	1
81+50	MAINLINE, RT.	15" CMP; L=31'	1
82+89	MAINLINE	15" CMP; L=47'	1
91+88	MAINLINE	12" CMP; L=32'	1
100+72	MAINLINE	48" CMP; L=37'	1
100+92	MAINLINE, LT.	15" CMP; L=22'	1
101+16	MAINLINE, LT.	12" CMP; L=22'	1
104+53	MAINLINE	30" CMP; L=35'	1
201'A'+11	GOLIATH RD	18" CMP; L=43'	1
		TOTAL =	18

REMOVING STRUCTURE (STA. 25+89)

STATION	LOCATION	DESCRIPTION	203.0220 (EACH)	COMMENTS
25+89	MAINLINE	REINFORCED CONCRETE BOX CULVERT	1	4.2' x 3.2' x 32'
		TOTAL =	1	

REMOVING DELINEATORS AND MARKERS

STATION	LOCATION	204.0180 (EACH)
11+10	MAINLINE, LT.	1
11+12	MAINLINE, RT.	1
25+89	MAINLINE, RT.	1
25+89	MAINLINE, LT.	1
33+60	MAINLINE, LT.	1
33+71	MAINLINE, RT.	1
34+60	MAINLINE, RT.	1
34+73	MAINLINE, LT.	1
48+36	MAINLINE, RT.	1
48+40	MAINLINE, LT.	1
64+49	MAINLINE, RT.	1
64+52	MAINLINE, LT.	1
74+66	MAINLINE, RT.	1
74+69	MAINLINE, LT.	1
82+88	MAINLINE, LT.	1
82+91	MAINLINE, RT.	1
91+82	MAINLINE, RT.	1
91+91	MAINLINE, LT.	1
100+68	MAINLINE, RT.	1
100+79	MAINLINE, LT.	1
104+50	MAINLINE, RT.	1
104+56	MAINLINE, LT.	1
201'A'+10	GOLIATH RD, RT.	1
201'A'+11	GOLIATH RD, LT.	1
	TOTAL =	24

EARTHWORK SUMMARY

CATEGORY	STATION - STATION	LOCATION	(1) 205.0100 COMMON EXCAVATION CUT (2) (CY)	AVAILABLE MATERIAL (CY) (3)	205.0200 ROCK EXCAVATION (CY) (4)	EXPANDED ROCK (CY) FACTOR 1.1 (5)	UNEXPANDED FILL (CY)	EXPANDED FILL (CY) FACTOR 1.25 (6)	MASS ORDINATE +/- (CY) (7)	WASTE (CY)
010	11+00 - 105+50	MAINLINE	34280	34280	1480	1628	19605	22471	11809	11809
	200'A'+00 - 201'A'+18	GOLIATH RD	40	40	-	-	350	438	-398	-398
	299'B'+90 - 304'B'+95	FLAT IRON AVE	6715	6715	-	-	265	331	6384	6384
	400'C'+00 - 404'C'+16	FLAGSHIP AVE	16915	16915	-	-	24	30	16885	16885
	500'D'+18 - 501'D'+50	FLARE AVE	130	130	-	-	155	194	-64	-64
	700'F'+13 - 701'F'+80	'F' LINE	800	800	-	-	0	0	800	800
	710'G'+00 - 711'G'+07	'G' LINE	1035	1035	-	-	6	8	1028	1028
	800'H'+00 - 801'H'+35	'H' LINE	110	110	-	-	0	0	110	110
	900'I'+31 - 901'I'+35	'I' LINE	515	515	-	-	0	0	515	515
		SUBTOTALS =	60540	60540	1480	1628	20405	23471	37069	37069
		TOTALS =	60540	60540	1480	1628	20405	23471	37069	37069

NOTES:
1.) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
2.) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT
3.) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
4.) ROCK EXCAVATION. ITEM NUMBER 205.0200
5.) EXPANDED ROCK FACTOR = 1.1
6.) EXPANDED FILL FACTOR 1.25: EXPANDED FILL = (UNEXPANDED FILL - (ROCK *ROCK FACTOR))*1.25
7.) THE MASS ORDINATE+ OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE CATEGORY. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE CATEGORY

BASE AGGREGATE DENSE

STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)
11+00 - 105+50	MAINLINE	890	31,150
200'A'+00 - 201'A'+18	GOLIATH RD	20	410
299'B'+90 - 304'B'+95	FLAT IRON AVE	60	1,360
400'C'+00 - 404'C'+16	FLAGSHIP AVE	75	1230
500'D'+18 - 501'D'+50	FLARE AVE	30	450
700'F'+13 - 701'F'+80	'F' LINE	145	-
710'G'+00 - 711'G'+07	'G' LINE	65	-
-	P.E. / F.E.	935	-
	TOTALS =	2220	34,600

CONCRETE DRIVEWAY 6-INCH

STATION	LOCATION	416.0160 (SY)
92+34	MAINLINE, LT.	60
	TOTAL =	60

3

HMA PAVEMENT

STATION - STATION	LOCATION	CATEGORY 010 455.0605 TACK COAT (GAL)	CATEGORY 020 455.0605 TACK COAT (GAL)	CATEGORY 010 460.5223 HMA PAVEMENT 3LT58-28S (TON)	CATEGORY 020 460.5223 HMA PAVEMENT 3LT58-28S (TON)	CATEGORY 010 460.5224 HMA PAVEMENT 4LT58-28S (TON)	CATEGORY 020 460.5224 HMA PAVEMENT 4LT58-28S (TON)	465.0105 ASPHALTIC SURFACE (TON)
11+00 - 105+50	MAINLINE	1377	-	3445	-	2674	-	11
11+00 - 105+50	MAINLINE SHOULDER	-	460	-	1175	-	915	-
200'A'+00 - 201'A'+18	GOLIATH RD	25	-	65	-	50	-	-
299'B'+90 - 304'B'+95	FLAT IRON AVE	72	-	180	-	143	-	-
400'C'+00 - 404'C'+16	FLAGSHIP AVE	68	-	170	-	133	-	-
500'D'+18 - 501'D'+50	FLARE AVE	28	-	65	-	54	-	-
700'F'+13 - 701'F'+80	'F' LINE	-	-	-	-	53	-	-
710'G'+00 - 711'G'+07	'G' LINE	-	-	-	-	23	-	-
-	P.E. / F.E. / C.E.	-	-	-	-	65	-	-
-	PROJECT	-	-	-	-	-	-	-
	SUBTOTALS =	1570	460	3925	1175	3195	915	11
	TOTALS =	2030		5100		4110		11

ALL BID ITEMS ARE CATEGORY 010 UNLESS OTHERWISE NOTED

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 (SY)
11+80	MAINLINE, LT.	12
11+80	MAINLINE, RT.	11
15+50	MAINLINE, RT.	11
16+00	MAINLINE, LT.	12
22+50	MAINLINE, RT.	11
44+50	MAINLINE, LT.	11
59+50	MAINLINE, RT.	11
68+50	MAINLINE, RT.	20
71+50	MAINLINE, LT.	16
71+50	MAINLINE, RT.	16
77+50	MAINLINE, RT.	11
84+50	MAINLINE, LT.	12
92+30	MAINLINE, LT.	11
95+20	MAINLINE, LT.	11
101+70	MAINLINE, LT.	13
104+05	MAINLINE, LT.	13
303'B'+89	FLAT IRON AVE, RT.	18
	TOTAL =	220

3

CULVERT PIPE

STATION	LOCATION	521.3142 CULVERT PIPE CORRUGATED STEEL 42-INCH (LF)	521.3148 CULVERT PIPE CORRUGATED STEEL 48-INCH (LF)	520.3318 CULVERT PIPE CLASS III-A 18-INCH (LF)	520.3324 CULVERT PIPE CLASS III-A 24-INCH (LF)	520.3330 CULVERT PIPE CLASS III-A 30-INCH (LF)	520.4118 CULVERT PIPE CLASS IV 18-INCH (LF)	520.4130 CULVERT PIPE CLASS IV 30-INCH (LF)	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH (EACH)	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH (EACH)	520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH (EACH)	521.0348 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 4 TO 1 (EACH)	521.0442 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 42-INCH 6 TO 1 (EACH)	521.0448 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 6 TO 1 (EACH)	521.1524 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 6 TO 1 (EACH)	**628.7555 CULVERT PIPE CHECKS (EACH)	**633.5200 MARKERS CULVERT END (EACH)	**650.6000 CONSTRUCTION STAKING CULVERT PIPES (EACH)
11+11*	MAINLINE	-	-	-	-	-	-	50	-	-	2	-	-	-	-	5	2	1
17+56	MAINLINE	-	-	-	90	-	-	-	-	2	-	-	-	-	-	3	2	1
23+00	MAINLINE	-	-	28	-	-	-	-	2	-	-	-	-	-	-	2	-	-
34+50	MAINLINE	-	66	-	-	-	-	-	-	-	-	1	-	1	-	10	2	1
41+83	MAINLINE, LT	-	-	30	-	-	-	-	2	-	-	-	-	-	-	2	-	-
42+49*	MAINLINE, LT.	-	-	-	-	-	22	-	2	-	-	-	-	-	-	2	-	-
48+38	MAINLINE	-	-	-	88	-	-	-	-	2	-	-	-	-	-	3	2	1
53+25	MAINLINE, RT	-	-	44	-	-	-	-	2	-	-	-	-	-	-	2	-	-
54+99	MAINLINE, RT	-	-	36	-	-	-	-	2	-	-	-	-	-	-	2	-	-
59+00	MAINLINE, LT	-	-	36	-	-	-	-	2	-	-	-	-	-	-	2	-	-
62+50	MAINLINE, RT	-	-	32	-	-	-	-	2	-	-	-	-	-	-	2	-	-
64+50	MAINLINE	-	-	-	-	66	-	-	-	-	2	-	-	-	-	5	2	1
69+64	MAINLINE	58	-	-	-	-	-	-	-	-	-	-	2	-	-	8	2	1
69+72	MAINLINE	58	-	-	-	-	-	-	-	-	-	-	2	-	-	8	2	1
69+80	MAINLINE	58	-	-	-	-	-	-	-	-	-	-	2	-	-	8	2	1
72+00	MAINLINE, LT	-	-	32	-	-	-	-	2	-	-	-	-	-	-	2	-	-
76+74	MAINLINE, RT	-	-	32	-	-	-	-	2	-	-	-	-	-	-	2	-	-
80+70	MAINLINE, LT	-	-	22	-	-	-	-	2	-	-	-	-	-	-	2	-	-
81+50	MAINLINE, RT	-	-	26	-	-	-	-	2	-	-	-	-	-	-	2	-	-
81+54	MAINLINE, LT	-	-	34	-	-	-	-	2	-	-	-	-	-	-	2	-	-
82+50	MAINLINE, LT	-	-	32	-	-	-	-	2	-	-	-	-	-	-	2	-	-
82+89	MAINLINE	-	-	-	66	-	-	-	-	2	-	-	-	-	-	3	2	1
91+88	MAINLINE	-	-	-	70	-	-	-	-	2	-	-	-	-	-	3	2	1
92+34	MAINLINE, LT	-	-	58	-	-	-	-	2	-	-	-	-	-	-	2	-	-
101+04	MAINLINE, LT.	-	-	54	-	-	-	-	2	-	-	-	-	-	-	2	-	-
104+53	MAINLINE	-	-	-	-	54	-	-	-	-	2	-	-	-	-	5	2	1
200'A'+80	GOLIATH RD	-	-	-	76	-	-	-	-	-	-	-	-	-	2	3	2	1
700'F'+35	'F' LINE	-	-	32	-	-	-	-	2	-	-	-	-	-	-	2	-	-
701'F'+57	'F' LINE	-	-	40	-	-	-	-	2	-	-	-	-	-	-	2	-	-
	UNDISTRIBUTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-
	TOTALS =	174	66	568	390	120	22	50	34	8	6	1	6	1	2	123	24	12

MINIMUM THICKNESS (INCHES)

PIPE SIZE	STEEL
18-INCH	0.064
24-INCH	0.064
30-INCH	0.079
42-INCH	0.109
48-INCH	0.109

* REDUCED SUBGRADE COVER
**MORE LISTED ELSEWHERE

3

PIPE ARCHES

STATION	LOCATION	521.0549 APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 49X33-INCH 4 TO 1 (EACH)	521.0564 APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 64X43-INCH 4 TO 1 (EACH)	521.0649 APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 49X33-INCH 6 TO 1 (EACH)	521.0657 APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 57X38-INCH 6 TO 1 (EACH)	521.0664 APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 64X43-INCH 6 TO 1 (EACH)	521.1709 APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS STEEL 42x29-INCH 4 TO 1 (EACH)	521.3742 PIPE ARCH CORRUGATED STEEL 42X29-INCH (LF)	521.3749 PIPE ARCH CORRUGATED STEEL 49X33-INCH (LF)	521.3757 PIPE ARCH CORRUGATED STEEL 57X38-INCH (LF)	521.3764 PIPE ARCH CORRUGATED STEEL 64X43-INCH (LF)	521.3783 PIPE ARCH CORRUGATED STEEL 83X57-INCH (LF)	SPV.0060.01 APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 83X57-INCH 4 TO 1 (EACH)	SPV.0060.02 APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 83X57-INCH 6 TO 1 (EACH)	**628.7555 CULVERT PIPE CHECKS (EACH)	**633.5200 MARKERS CULVERT END (EACH)	**650.6000 CONSTRUCTION STAKING CULVERT PIPES (EACH)
25+81	MAINLINE	-	-	-	2	-	-	-	-	56	-	-	-	-	4	2	1
25+89	MAINLINE	-	-	-	2	-	-	-	-	56	-	-	-	-	5	2	1
25+97	MAINLINE	-	-	-	2	-	-	-	-	56	-	-	-	-	4	2	1
74+67	MAINLINE	1	-	1	-	-	-	-	54	-	-	-	-	-	10	2	1
100+56	MAINLINE	-	1	-	-	1	-	-	-	-	54	-	-	-	15	2	1
100+65	MAINLINE	-	-	-	-	-	-	-	-	-	-	58	1	1	19	2	1
100+75	MAINLINE	-	-	-	-	2	-	-	-	-	62	-	-	-	15	2	1
403'C'+85	FLAGSHIP AVE	-	-	-	-	-	2	88	-	-	-	-	-	-	13	2	1
	UNDISTRIBUTED	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-
	TOTALS =	1	1	1	6	3	2	88	54	168	116	58	1	1	107	16	8

**MORE LISTED ELSEWHERE

MINIMUM THICKNESS (INCHES)

PIPE SIZE	STEEL
42X29-INCH	0.079
49X33-INCH	0.109
57X38-INCH	0.109
64X43-INCH	0.109
83X57-INCH	0.109

CONCRETE CURB & GUTTER

STATION-STATION	LOCATION	601.0415 6-INCH SLOPED 30-INCH TYPE J (LF)	SPV.0090.03 6-INCH SLOPED 24-INCH TYPE J (LF)	650.5500 CONSTRUCTION STAKING CURB & GUTTER (LF)
11+80 - 16+00	MAINLINE, LT.	420	-	420
11+80 - 15+50	MAINLINE, RT.	370	-	370
17+73 - 22+50	MAINLINE, RT.	477	-	477
44+50 - 47+50	MAINLINE, LT.	300	-	300
56+40 - 59+50	MAINLINE, RT.	310	-	310
66+18 - 68+50	MAINLINE, RT.	232	-	232
69+77 - 71+50	MAINLINE, LT. & RT.	-	346	346
77+50 - 80+25	MAINLINE, RT.	275	-	275
84+50 - 88+50	MAINLINE, LT.	400	-	400
92+30 - 95+20	MAINLINE, LT.	290	-	290
101+70 - 104+05	MAINLINE, LT.	235	-	235
300'B'+00 - 303'B'+83	FLAT IRON, RT.	383	-	383
	TOTALS =	3692	346	4038

STORM SEWER PIPE

PIPE NUMBER	STRUCTUR	STRUCTURE	ELEVATION	ELEVATION	SLOPE (%)	608.0412 REINFORCED CONCRETE PIPE CLASS IV STORM SEWER 12-INCH (LF)	608.0418 REINFORCED CONCRETE PIPE CLASS IV STORM SEWER 18-INCH (LF)	608.0318 REINFORCED CONCRETE PIPE CLASS III STORM SEWER 18-INCH (LF)	INFORMATIONAL PURPOSES ONLY JOINT TIES (EACH)
P-100	I - 100	I - 101	1013.12	1011.89	18.74	10	-	-	-
P-101	I - 101	EW - 1	1011.29	1010.48	2.25	-	38	-	6
P102	I - 102	EW - 2	1001.31	995.55	9.89	-	-	60	6
		TOTALS =				10	38	60	12

NOTES:
PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURES.

RIPRAP & GEOTEXTILE

STATION - STATION	LOCATION	606.0300 RIPRAP HEAVY (CY)	645.0120 GEOTEXTILE TYPE HR (SY)	606.0100 RIPRAP LIGHT (CY)	*645.0130 GEOTEXTILE TYPE R (SY)
11+11	MAINLINE, LT.	7	22	-	-
17+56	MAINLINE, LT.	5	18	-	-
25+89	MAINLINE, LT.	65	128	-	-
34+50	MAINLINE, RT.	15	38	-	-
48+38	MAINLINE, RT.	5	18	-	-
64+50	MAINLINE, RT.	7	22	-	-
69+00	MAINLINE, RT.	15	40	-	-
69+72	MAINLINE, RT.	150	267	-	-
74+67	MAINLINE, RT.	12	32	-	-
82+89	MAINLINE, RT.	5	18	-	-
91+88	MAINLINE, RT.	5	18	-	-
100+56	MAINLINE, RT.	10	27	-	-
100+75	MAINLINE, RT.	10	27	-	-
104+53	MAINLINE, RT.	7	22	-	-
200'A'+80	GOLIATH RD, RT.	5	18	-	-
302'B'+20	FLAT IRON, LT	4	14	-	-
303'B'+00	FLAT IRON, LT	-	-	23	80
304'B'+50	FLAT IRON, RT	4	14	-	-
403'C'+85	FLAGSHIP AVE, LT.	11	29	-	-
700'F'+35	'F' LINE P.E.	5	18		
700'F'+57	'F' LINE P.E.	5	18		
	UNDISTRIBUTED	88	202	6	20
	TOTALS =	440	1010	29	100

*MORE LISTED ELSEWHERE

ALL BID ITEMS ARE CATEGORY 010 UNLESS OTHERWISE NOTED

3

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	LOCATION	RIM ELEVATION (FT.)	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH (EACH)	611.0630 INLET COVERS TYPE HM-GJ (EACH)	611.0645 INLET COVERS TYPE MS-A (EACH)	611.3230 INLETS 2x3-FT (LF)	611.3901 INLETS MEDIAN 1 GRATE (EACH)	STRUCTURE DEPTH (FT.)	628.7005 INLET PROTECTION TYPE A (EACH)	628.7015 INLET PROTECTION TYPE C (EACH)	650.4000 CONSTRUCTION STAKING STORM SEWER (EACH)
I - 100	301'B'+78.50	11.17 RT.	1015.79	-	1	-	1	-	1.67	1	1	1
I - 101	301'B'+88.50	11.17 RT.	1015.00	-	1	-	1	-	2.71	1	1	1
I - 102	303'B'+40	18.67 RT.	1003.69	-	-	1	-	1	2.38	1	-	1
EW - 1	302'B'+06.64	20.55 LT.	-	1	-	-	-	-	-	-	-	1
EW - 2	303'B'+83.41	47.34 RT.	-	1	-	-	-	-	-	-	-	1
		TOTALS =		2	2	1	2	1		3	2	5

NOTES:
STATION AND OFFSET OF CURB INLET STRUCTURES ARE MEASURED TO FLANGE OF GUTTER.
ALL RIM ELEVATIONS ARE MEASURED TO THE FLANGE OF THE INLET.
STRUCTURE DEPTH (INLETS 2x3-FT.) = RIM ELEVATION - INVERT LOWEST PIPE - 6 INCHES (RINGS) - 6 INCHES (CASTING HEIGHT)
STRUCTURE DEPTH (INLETS MEDIAN 1 GRATE) = RIM ELEVATION - INVERT LOWEST PIPE

WATER

LOCATION	624.0100 (MGAL)
PROJECT	550
TOTALS =	550

3

FINISHING ITEMS

STATION - STATION	LOCATION	625.0500 SALVAGED TOPSOIL (SY)	627.0200 MULCHING (SY)	*629.0210 FERTILIZER TYPE B (CWT)	*630.0120 SEEDING MIXTURE NO. 20 (LB)	**630.0160 SEEDING MIXTURE NO. 60 (LB)	630.0200 SEEDING TEMPORARY (LB)	630.0500 SEED WATER (MGAL)
11+00 - 105+50	MAINLINE	58940	27500	37.0	1590	4	-	1330
200'A'+00 - 201'A'+18	GOLIATH RD	390	650	1.0	22	-	-	18
299'B'+90 - 304'B'+95	FLAT IRON AVE	3600	550	3.0	126	-	-	105
400'C'+00 - 404'C'+16	FLAGSHIP AVE	5010	4140	3.0	127	-	-	104
500'D'+18 - 501'D'+50	FLARE AVE	480	340	1.0	21	-	-	17
700'F'+16 - 701'F'+80	'F' LINE	690	-	-	-	-	-	-
710'F'+00 - 711'F'+07	'G' LINE	580	-	-	-	-	-	-
UNDISTRIBUTED	PROJECT	17410	8320	11.0	474	1	590	396
	TOTALS=	87100	41500	56.0	2360	5	590	1970

* NOTE: 'F' AND 'G' LINE FERTILIZER TYPE B AND SEEDING MIXTURE NO. 20 QUANTITIES ARE INCLUDED IN FLAT IRON AVE QUANTIT
**NOTE: USE SEED MIXTURE NO. 60 IN AREAS ADJACENT TO EXISTING WETLAND (STA 95+50-97+50). DO NOT USE FERTILIZER IN WETLAND AREAS.

SILT FENCE

STATION - STATION	LOCATION	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)
11+11 - 12+50	MAINLINE, RT.	140	560
11+00 - 11+75	MAINLINE, LT	90	360
12+00 - 14+00	MAINLINE, LT	210	840
14+00 - 15+75	MAINLINE, LT	180	720
14+75 - 17+75	MAINLINE, RT.	325	1300
16+00 - 19+00	MAINLINE, LT	325	1300
19+00 - 22+00	MAINLINE, LT	290	1160
35+00 - 39+00	MAINLINE, RT.	385	1540
41+50 - 45+00	MAINLINE, RT.	365	1460
46+50 - 50+50	MAINLINE, RT.	425	1700
55+50 - 56+50	MAINLINE, RT.	120	480
57+50 - 59+00	MAINLINE, LT	140	560
60+50 - 64+50	MAINLINE, LT	420	1680
62+50 - 66+50	MAINLINE, RT.	390	1560
71+50 - 76+50	MAINLINE, RT.	555	2220
77+50 - 80+50	MAINLINE, LT	300	1200
81+50 - 101+00	MAINLINE, RT.	2025	8100
200'A'+00 - 200'A'+75	GOLIATH RD, RT.	85	340
400'C'+00 - 404'C'+00	FLAGSHIP AVE, LT.	280	1120
	UNDISTIBUTED	1860	7440
	TOTALS =	8910	35640

SOD LAWN

STATION	LOCATION	631.1000 (SY)
11+80	MAINLINE, LT.	10
11+80	MAINLINE, RT.	10
15+50	MAINLINE, RT.	10
16+00	MAINLINE, LT.	10
22+50	MAINLINE, RT.	10
44+50	MAINLINE, RT.	10
59+50	MAINLINE, RT.	10
71+50	MAINLINE, LT.	10
71+50	MAINLINE, RT.	10
77+50	MAINLINE, RT.	10
84+50	MAINLINE, LT.	10
92+30	MAINLINE, LT.	10
95+20	MAINLINE, LT.	10
101+70	MAINLINE, LT.	10
104+05	MAINLINE, LT.	10
	UNDISTRIBUTED	40
	TOTAL =	190

MOBILIZATION EROSION CONTROL

PROJECT	628.1905 MOBILIZATION EROSION CONTROL (EACH)	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL (EACH)
5496-00-74	11	8
TOTALS =	11	8

EROSION MAT

STATION - STATION	LOCATION	628.2002 EROSION MAT CLASS I TYPE A SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY
18+49 - 20+79	MAINLINE, RT.	855	-	-
26+00 - 41+35	MAINLINE, RT.	-	6925	-
28+71 - 30+06	MAINLINE, LT.	-	660	-
32+00 - 44+50	MAINLINE, LT.	-	4585	-
44+25 - 47+50	MAINLINE, LT.	1230	-	-
50+00 - 51+00	MAINLINE, LT.	-	510	-
51+00 - 52+00	MAINLINE, LT.	-	-	415
50+50 - 53+17	MAINLINE, RT.	-	1045	-
52+00 - 53+57	MAINLINE, LT.	-	510	-
56+01 - 60+50	MAINLINE, LT.	-	1460	-
59+50 - 63+00	MAINLINE, RT.	-	1055	-
66+00 - 73+00	MAINLINE, LT.	-	2580	-
76+83 - 79+02	MAINLINE, RT.	965	-	-
77+00 - 78+00	MAINLINE, LT.	-	260	-
81+00 - 83+00	MAINLINE, RT.	-	460	-
83+50 - 85+47	MAINLINE, LT.	-	590	-
85+47 - 87+71	MAINLINE, LT.	1030	-	-
91+88 - 94+91	MAINLINE, LT.	-	580	-
101+50 - 104+50	MAINLINE, RT.	-	815	-
300'B'+00 - 303'B'+65	FLAT IRON AVE, LT	-	-	1575
303B'+65 - 304'B'+50	FLAT IRON AVE, LT	-	715	-
301'B'+98 - 304'B'+50	FLAT IRON AVE, RT	-	790	-
500'D'+50 - 501'D'+50	FLARE AVE, LT.	-	250	-
800'H'+00 - 801'H'+00	'H'-LINE DRAINAGE DITCH	-	-	180
	TREATMENT AT PE/FE CULVERTS	-	110	-
	UNDISTRIBUTED	1020	6000	1090
	TOTALS =	5100	29900	3260

ALL BID ITEMS ARE CATEGORY 010 UNLESS OTHERWISE NOTED

PERMANENT SIGNING

SIGN NUMBER	APPROX. STATION	LOCATION	POSITIION	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIZE (INCH X INCH)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	POSTS WOOD 4X6-INCH 634.0614 14 FT (EACH)	634.0616 16 FT (EACH)	634.0618 18 FT (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	SIGN MOUNTED ON SAME POST AS
1-00	11+00	MAINLINE	RIGHT	R2-1	SPEED LIMIT	35	24X30	5.00	-	-	1	-	-	-	-
1-01R	11+10	MAINLINE	RIGHT	R2-1	SPEED LIMIT	35	-	-	-	-	-	-	1	1	-
1-02	15+25	MAINLINE	LEFT	R2-1	SPEED LIMIT	35	24X30	5.00	-	1	-	-	-	-	-
1-03R	15+30	MAINLINE	LEFT	R2-1	SPEED LIMIT	35	-	-	-	-	-	-	1	1	-
1-04	17+00	MAINLINE	RIGHT	R2-1	SPEED LIMIT	55	24X30	5.00	-	-	1	-	-	-	-
1-05R	17+10	MAINLINE	RIGHT		END SPEED ZONE	-	-	-	-	-	-	-	1	1	-
2-00R	20+80	MAINLINE	LEFT	W3-5	REDUCED SPEED LIMIT AHEAD	-	-	-	-	-	-	-	1	1	
2-01	21+00	MAINLINE	LEFT	W3-5	REDUCED SPEED LIMIT AHEAD	35	36X36	-	9.00	-	-	1	-	-	-
2-02	25+50	MAINLINE	RIGHT	W1-2R	RIGHT CURVE	-	30X30	-	6.25	-	1	-	-	-	-
2-03	25+50	MAINLINE	RIGHT	W13-1	ADVISORY SPEED PLAQUE	35	18X18	-	2.25	-	-	-	-	-	2-02
2-04	201'A'+00	GOLIATH RD	RIGHT	R1-1	STOP	-	30X30	5.18	-	-	1	-	-	-	-
2-05R	201'A'+03	GOLIATH RD	RIGHT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
2-06R	28+40	MAINLINE	RIGHT	W1-2R	RIGHT CURVE	-	-	-	-	-	-	-	1	1	-
2-07R	28+40	MAINLINE	RIGHT	W13-1	ADVISORY SPEED PLAQUE	35	-	-	-	-	-	-	-	-	2-06R
3-00R	31+95	MAINLINE	LEFT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
3-01	304'B'+75	FLAT IRON AVE	RIGHT	R1-1	STOP	-	30X30	5.18	-	-	1	-	-	-	-
3-02R	33+55	MAINLINE	LEFT	R1-2	YIELD	-	-	-	-	-	-	-	1	1	-
3-03R	301+60	FLAT IRON AVE	LEFT	R2-1	SPEED LIMIT	45	-	-	-	-	-	-	1	1	-
3-04	301+50	FLAT IRON AVE	LEFT	R2-1	SPEED LIMIT	45	24X30	5.00	-	-	1	-	-	-	-
4-00R	37+25	MAINLINE	LEFT	W1-2L	LEFT CURVE	-	-	-	-	-	-	-	1	1	-
4-01R	37+25	MAINLINE	LEFT	W13-1	ADVISORY SPEED PLAQUE	35	-	-	-	-	-	-	-	-	4-00R
4-02	40+25	MAINLINE	LEFT	W1-2L	LEFT CURVE	-	30X30	-	6.25	-	-	1	-	-	-
4-03	39+00	MAINLINE	LEFT	W13-1	ADVISORY SPEED PLAQUE	35	18X18	-	2.25	-	-	-	-	-	4-02
6-00	60+00	MAINLINE	RIGHT	W2-2	T - INTERSECTION	-	30X30	-	6.25	-	1	-	-	-	-
6-01R	60+50	MAINLINE	RIGHT	W12-2	LOW CLEARANCE	13'6"	-	-	-	-	-	-	1	1	-
6-03R	62+30	MAINLINE	RIGHT	R2-1	SPEED LIMIT	35	-	-	-	-	-	-	1	1	-
7-00R	64+40	MAINLINE	RIGHT	W2-2	T - INTERSECTION	-	-	-	-	-	-	-	1	1	-
7-01	65+50	MAINLINE	RIGHT	W5-1	ROAD NARROWS	-	36X36	-	9.00	-	-	1	-	-	-
7-02	65+50	MAINLINE	RIGHT	W13-1	ADVISORY SPEED PLAQUE	25	24X24	-	4.00	-	-	-	-	-	7-01
7-03	404'C'+00	FLAGSHIP AVE	RIGHT	R1-1	STOP	-	30X30	5.18	-	-	1	-	-	-	-
7-04	404'C'+00	FLAGSHIP AVE	RIGHT	D11-10	ATV ROUTE	-	24X18	3.00	-	1	-	-	-	-	-
7-05R	69+00	MAINLINE	LEFT	D11-10	ATV ROUTE	-	-	-	-	-	-	-	1	1	-
7-06R	69+00	MAINLINE	LEFT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
7-07	70+05	MAINLINE	RIGHT	W5-52R	BRIDGE HASH MARKS	-	12X36	-	3.00	1	-	-	-	-	-
7-08R	70+05	MAINLINE	RIGHT	W5-52R	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
7-09	70+15	MAINLINE	LEFT	W5-52L	BRIDGE HASH MARKS	-	12X36	-	3.00	1	-	-	-	-	-
7-10R	70+15	MAINLINE	LEFT	W5-52L	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
7-11R	70+85	MAINLINE	RIGHT	W5-52L	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
7-12	70+85	MAINLINE	RIGHT	W5-52L	BRIDGE HASH MARKS	-	12X36	-	3.00	1	-	-	-	-	-
7-13R	70+95	MAINLINE	LEFT	W5-52R	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
7-14	70+95	MAINLINE	LEFT	W5-52R	BRIDGE HASH MARKS	-	12X36	-	3.00	1	-	-	-	-	-
7-15	63+50	MAINLINE	RIGHT	W12-2	LOW CLEARANCE	14'2"	36X36	-	9.00	-	-	1	-	-	-
7-16	68+25	MAINLINE	RIGHT	W12-2	LOW CLEARANCE	14'2"	36X36	-	9.00	-	-	1	-	-	-
8-00	72+25	MAINLINE	RIGHT	W1-2L	LEFT CURVE	-	30X30	-	6.25	-	-	1	-	-	-
8-01	72+25	MAINLINE	RIGHT	W13-1	ADVISORY SPEED PLAQUE	40	18X18	-	2.25	-	-	-	-	-	8-00
8-02	74+50	MAINLINE	LEFT	W2-2	T - INTERSECTION	-	30X30	-	6.25	-	1	-	-	-	-
8-03R	74+00	MAINLINE	LEFT	W2-2	T - INTERSECTION	-	-	-	-	-	-	-	1	1	-
8-04	76+05	MAINLINE	LEFT	W5-1	ROAD NARROWS	-	36X36	-	9.00	-	-	1	-	-	-
8-05	76+05	MAINLINE	LEFT	W13-1	ADVISORY SPEED PLAQUE	25	24X24	-	4.00	-	-	-	-	-	8-04
8-06R	78+95	MAINLINE	LEFT	R2-1	SPEED LIMIT	35	-	-	-	-	-	-	1	1	-
8-07	78+00	MAINLINE	LEFT	W12-2	LOW CLEARANCE	14'2"	36X36	-	9.00	-	-	1	-	-	-
					SHEET TOTALS =			38.54	112.00	6	9	8	21	21	

PERMANENT SIGNING CONTINUED

SIGN NUMBER	APPROX. STATION	LOCATION	POSITIION	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIZE (INCH X INCH)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	POSTS WOOD 4X6-INCH 634.0614 14 FT (EACH)	634.0616 16 FT (EACH)	634.0618 18 FT (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	SIGN MOUNTED ON SAME POST AS
8-08R	79+20	MAINLINE	RIGHT	R2-1	SPEED LIMIT	35	-	-	-	-	-	-	1	1	-
8-09	80+40	MAINLINE	LEFT	W1-2L	LEFT CURVE	-	30X30	-	6.25	-	-	1	-	-	-
8-10	80+40	MAINLINE	LEFT	W13-1	ADVISORY SPEED PLAQUE	35	18X18	-	2.25	-	-	-	-	-	8-09
8-11	81+00	MAINLINE	LEFT	W1-2R	RIGHT CURVE	-	30X30	-	6.25	-	-	1	-	-	-
8-12	81+00	MAINLINE	LEFT	W13-1	ADVISORY SPEED PLAQUE	40	18X18	-	2.25	-	-	-	-	-	8-11
9-00	90+00	MAINLINE	LEFT	W1-2R	RIGHT CURVE	-	30X30	-	6.25	-	-	1	-	-	-
9-01	90+00	MAINLINE	LEFT	W13-1	ADVISORY SPEED PLAQUE	35	18X18	-	2.25	-	-	-	-	-	9-00
9-02	89+50	MAINLINE	RIGHT	W1-2R	RIGHT CURVE	-	30X30	-	6.25	-	-	1	-	-	-
9-03	89+50	MAINLINE	RIGHT	W13-1	ADVISORY SPEED PLAQUE	35	18X18	-	2.25	-	-	-	-	-	9-02
9-04R	89+50	MAINLINE	RIGHT	W1-2R	RIGHT CURVE	-	-	-	-	-	-	-	1	1	-
9-05R	89+50	MAINLINE	RIGHT	W13-1	ADVISORY SPEED PLAQUE	35	-	-	-	-	-	-	-	-	9-04R
10-00	93+60	MAINLINE	RIGHT	W2-2	T - INTERSECTION	-	30X30	-	6.25	-	1	-	-	-	-
11-00R	99+30	MAINLINE	LEFT	W1-2L	LEFT CURVE	-	-	-	-	-	-	-	1	1	-
11-01R	99+30	MAINLINE	LEFT	W13-1	ADVISORY SPEED PLAQUE	35	-	-	-	-	-	-	1	-	11-00R
11-02	99+50	MAINLINE	LEFT	W1-2L	LEFT CURVE	-	30X30	-	6.25	-	-	1	-	-	-
11-03	99+50	MAINLINE	LEFT	W13-1	ADVISORY SPEED PLAQUE	35	18X18	-	2.25	-	-	-	-	-	11-02
11-04R	500'D'+30	FLARE AVE	LEFT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
11-05	500'D'+30	FLARE AVE	LEFT	R1-1	STOP	-	30X30	5.18	-	-	1	-	-	-	-
11-06R	500'D'+25	FLARE AVE	LEFT	D11-10	ATV ROUTE	-	-	-	-	-	-	-	1	1	-
11-07	500'D'+30	FLARE AVE	LEFT	D11-10	ATV ROUTE	-	24X18	3.00	-	1	-	-	-	-	-
11-08	100+50	MAINLINE	LEFT	W12-2	LOW CLEARANCE	14'2"	36X36	-	9.00	-	-	1	-	-	-
11-09	100+50	MAINLINE	LEFT	W57-52	__ MILE AHEAD	1/2	36X24	-	6.00	-	-	-	-	-	11-08
14-00	395'C'+50	FLAGSHIP AVE	RIGHT	W1-3R	REVERSE CURVE RIGHT	-	36X36	-	9.00	-	-	1	-	-	-
14-01	395'C'+50	FLAGSHIP AVE	RIGHT	W13-1	ADVISORY SPEED PLAQUE	25	24X24	-	4.00	-	-	-	-	-	14-00
14-02	397'C'+50	FLAGSHIP AVE	RIGHT	W3-1	STOP AHEAD	-	36X36	-	9.00	-	1	-	-	-	-
14-03R	399'C'+60	FLAGSHIP AVE	RIGHT	W3-1	STOP AHEAD	-	-	-	-	-	-	-	1	1	-
					SHEET TOTALS =			8.18	85.75	1	3	7	7	6	
					PROJECT TOTALS =			46.72	197.75	7	12	15	28	27	

TEMPORARY DITCH CHECKS

STATION	LOCATION	628.7504 (LF)
22+00	MAINLINE, LT	10
23+00	MAINLINE, LT.	10
23+00	MAINLINE, RT	10
25+00	MAINLINE, LT.	10
25+00	MAINLINE, RT.	10
28+75	MAINLINE, RT	10
29+00	MAINLINE, RT.	10
29+50	MAINLINE, LT	10
30+00	MAINLINE, LT.	10
30+00	MAINLINE, RT.	10
32+00	MAINLINE, RT	10
32+50	MAINLINE, LT.	10
34+00	MAINLINE, LT.	10
34+00	MAINLINE, RT	10
34+50	MAINLINE, LT.	10
36+00	MAINLINE, LT.	10
37+00	MAINLINE, LT.	10
37+50	MAINLINE, LT.	10
38+25	MAINLINE, LT.	10
38+75	MAINLINE, LT.	10
39+00	MAINLINE, RT	10
39+25	MAINLINE, LT.	10
39+50	MAINLINE, RT	10
39+25	MAINLINE, LT.	10
40+00	MAINLINE, LT.	10
40+00	MAINLINE, RT	10
40+50	MAINLINE, LT.	10
40+50	MAINLINE, RT.	10
41+00	MAINLINE, LT.	10
41+00	MAINLINE, RT	10
	SUBTOTAL =	300

STATION	LOCATION	628.7504 (LF)
42+00	MAINLINE, LT.	10
43+00	MAINLINE, LT.	10
44+00	MAINLINE, LT.	10
46+00	MAINLINE, RT	10
48+00	MAINLINE, LT.	10
49+00	MAINLINE, LT.	10
50+75	MAINLINE, LT.	10
51+00	MAINLINE, LT.	10
51+00	MAINLINE, RT	10
51+50	MAINLINE, LT.	10
51+50	MAINLINE, RT	10
51+75	MAINLINE, LT.	10
52+00	MAINLINE, LT.	10
52+00	MAINLINE, RT	10
52+50	MAINLINE, LT.	10
52+50	MAINLINE, RT	10
53+00	MAINLINE, LT.	10
54+00	MAINLINE, RT	10
55+00	MAINLINE, LT.	10
56+50	MAINLINE, LT.	10
57+00	MAINLINE, LT.	10
58+25	MAINLINE, LT.	10
60+00	MAINLINE, LT.	10
60+00	MAINLINE, RT	10
60+50	MAINLINE, RT.	10
61+00	MAINLINE, RT	10
62+00	MAINLINE, RT	10
66+00	MAINLINE, LT.	10
66+50	MAINLINE, LT.	10
67+00	MAINLINE, LT.	10
	SUBTOTAL =	300

STATION	LOCATION	628.7504 (LF)
68+75	MAINLINE, LT.	10
69+25	MAINLINE, LT.	10
69+50	MAINLINE, LT.	10
72+00	MAINLINE, LT.	10
73+00	MAINLINE, LT.	10
74+50	MAINLINE, RT.	10
76+50	MAINLINE, LT.	10
80+00	MAINLINE, RT	10
81+00	MAINLINE, LT.	10
83+00	MAINLINE, LT.	10
84+00	MAINLINE, LT.	10
89+00	MAINLINE, LT.	10
91+00	MAINLINE, LT.	10
96+00	MAINLINE, LT.	10
97+00	MAINLINE, LT.	10
99+00	MAINLINE, LT.	10
100+50	MAINLINE, LT.	10
103+50	MAINLINE, RT.	10
105+00	MAINLINE, LT.	10
105+00	MAINLINE, RT.	10
	SUBTOTAL =	200

STATION	LOCATION	628.7504 (LF)
200'A'+50	GOLIATH RD, LT.	10
300'B'+50	FLAT IRON AVE, LT.	10
301'B'+00	FLAT IRON AVE, LT.	10
301'B'+25	FLAT IRON AVE, LT.	10
301'B'+75	FLAT IRON AVE, LT.	10
302'B'+00	FLAT IRON AVE, LT.	10
302'B'+25	FLAT IRON AVE, LT.	10
302'B'+50	FLAT IRON AVE, LT.	10
302'B'+75	FLAT IRON AVE, LT.	10
303'B'+00	FLAT IRON AVE, LT.	10
304'B'+00	FLAT IRON AVE, LT.	10
304'B'+50	FLAT IRON AVE, LT.	10
400'C'+50	FLAGSHIP AVE, RT.	10
402'C'+50	FLAGSHIP AVE, RT.	10
403'C'+50	FLAGSHIP AVE, RT.	10
501'D'+25	FLARE AVE, LT.	10
501'D'+25	FLARE AVE, RT.	10
701'F'+00	'F' LINE, LT.	10
710'G'+50	'G' LINE, LT.	10
	UNDISTRIBUTED	250
	SUBTOTAL =	440
	TOTAL =	1240

ALL BID ITEMS ARE CATEGORY 010 UNLESS OTHERWISE NOTED

3

TRAFFIC CONTROL

LOCATION	643.0300 DRUMS (DAY)	643.0420 BARRICADES TYPE III (DAY)	643.0705 WARNING LIGHTS TYPE A (DAY)	643.0900 SIGNS (DAY)	643.5000 TRAFFIC CONTROL (EACH)
MAINLINE	-	580	1150	1290	-
GOLIATH RD	-	290	575	290	-
FLAT IRON AVE	-	290	575	430	-
FLAGSHIP AVE	-	290	575	430	-
FLARE AVE	-	290	575	430	-
STH 21/CTH M				430	
PROJECT	715	-	-	-	1
TOTALS =	715	1740	3450	3300	1

STONE DITCH CHECKS

STATION	LOCATION	*628.7515.S STONE DITCH CHECKS (CY)	**645.0130 GEOTEXTILE TYPE R (SY)
11+80	MAINLINE, LT	0.6	8
11+80	MAINLINE, RT	0.6	8
15+50	MAINLINE, RT	0.6	8
16+00	MAINLINE, LT	0.6	8
22+50	MAINLINE, RT	0.6	8
44+50	MAINLINE, LT	0.6	8
59+50	MAINLINE, RT	0.6	8
68+40	MAINLINE, RT	0.6	8
71+50	MAINLINE, LT	0.6	8
71+50	MAINLINE, RT	0.6	8
77+50	MAINLINE, RT	0.6	8
84+50	MAINLINE, LT	0.6	8
92+30	MAINLINE, LT	0.6	8
95+20	MAINLINE, LT	0.6	8
101+70	MAINLINE, LT	0.6	8
104+05	MAINLINE, LT	0.6	8
301'B'+80	FLAT IRON AVE, RT	0.6	8
303'B'+80	FLAT IRON AVE, RT	0.6	8
-	UNDISTRIBUTED	3.2	36
	TOTAL =	14.0	180

*TEMPORARY STONE DITCH CHECKS

**MORE LISTED ELSEWHERE

PAVEMENT MARKING

STATION - STATION	LOCATION	DESCRIPTION	MARKING LINE 646.1020 EPOXY 4-INCH YELLOW SOLID (LF)	MARKING LINE 646.1020 EPOXY 4-INCH WHITE SOLID (LF)	MARKING LINE 646.1020 EPOXY 4-INCH WHITE DASHED (LF)	MARKING LINE 646.6120 STOP LINE EPOXY 18-INCH (LF)
11+00 - 69+15	MAINLINE	DOUBLE YELLOW	11630	-	-	-
72+14 -115+23	MAINLINE	DOUBLE YELLOW	8618	-	-	-
11+00 - 99+95	MAINLINE, RT.	WHITE EDGELINE	-	8875	-	-
99+95 - 100+55	MAINLINE, RT.	WHITE EDGELINE	-	-	15	-
101+81 - 114+87	MAINLINE, RT.	WHITE EDGELINE	-	1306	-	-
11+00 - 27+98	MAINLINE, LT.	WHITE EDGELINE	-	1699	-	-
29+26 - 32+40	MAINLINE, LT.	WHITE EDGELINE	-	322	-	-
32+40 - 33+78	MAINLINE, LT.	WHITE EDGELINE	-	-	36	-
33+78 - 67+16	MAINLINE, LT.	WHITE EDGELINE	-	3346	-	-
68+52 - 68+88	MAINLINE, LT.	WHITE EDGELINE	-	-	9	-
68+88 - 114+62	MAINLINE, LT.	WHITE EDGELINE	-	4574	-	-
115+23	MAINLINE, RT.	STOP BAR	-	-	-	27
		SUBTOTALS =	20248	20122	60	27
		TOTALS=		40430		27

3

CONSTRUCTION STAKING

STATION - STATION	LOCATION	CONSTRUCTION STAKING 650.4500 SUBGRADE (LF)	650.5000 BASE (LF)	650.9910 SUPPLEMENTAL CONTROL (01. 7373-00-70) (LS)	650.9920 SLOPE STAKES (LF)
11+00 - 105+50	MAINLINE	9450	9450	-	9450
200'A'+00 - 201'A'+18	GOLIATH RD	118	118	-	118
299'B'+90 - 304'B'+95	FLAT IRON AVE	505	505	-	505
400'C'+00 - 404'C'+16	FLAGSHIP AVE	416	416	-	416
500'D'+18 - 501'D'+50	FLARE AVE	132	132	-	132
700'F'+13 - 701'F'+80	'F' LINE	167	167	-	167
710'G'+00 - 711'G'+07	'G' LINE	107	107	-	107
800'H'+00 - 801'H'+35	'H' LINE	135	-	-	135
900'I'+31 - 901'I'+35	'I' LINE	104	-	-	104
-	PROJECT	-	-	1	-
	TOTALS =	11134	10895	1	11134

SAWING ASPHALT

STATION - STATION	LOCATION	690.0150 SAWING ASPHALT (LF)	COMMENTS
11+00	MAINLINE	20	
41+83	MAINLINE, LT	14	
42+49	MAINLINE, LT	11	
66+38	MAINLINE, RT	17	
101+16	MAINLINE, LT	10	
101+82	MAINLINE, LT	10	
105+50	MAINLINE	21	
200'A'+00	GOLIATH RD	18	
300'B'+00	FLAT IRON AVE	32	
300'B'+35	FLAT IRON AVE, RT	24	
302'B'+20	FLAT IRON AVE, RT	17	
303'B'+65	FLAT IRON AVE, LT ('F' LINE)	18	701'F'+80
303'B'+65	FLAT IRON AVE, RT ('G' LINE)	12	710'G'+00
400'C'+00	FLAGSHIP AVE	20	
501'D'+50	FLARE AVE	20	
	TOTAL=	264	

REESTABLISH SECTION CORNER MONUMENT

STATION - STATION	LOCATION	SPV.0060.03 (EACH)
58+30.65	MAINLINE	1
303'B'+30	FLAT IRON AVE, RT	1
	TOTAL=	2

RUMBLE STRIPS

STATION - STATION	LOCATION	CATEGORY 020 SPV.0090.01 TWO LANE RURAL CENTER LINE, SINUSOIDAL, RUMBLE STRIP (LF)	CATEGORY 020 SPV.0090.02 TWO LANE RURAL SHOULDER, SINUSOIDAL, RUMBLE STRIP (LF)
15+32 - 69+15.45	MAINLINE	5383	-
15+32 - 105+50	MAINLINE, LT.	-	9018
15+32 - 105+50	MAINLINE, RT.	-	9018
72+14.07 - 105+50	MAINLINE	3336	-
	TOTALS=	8719	18036

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
7373-00-00	4.01	10
FEDERAL PROJECT NUMBER		

PLAT OF RIGHT-OF-WAY REQUIRED FOR

TOWN OF TOMAH – TOWN OF LA GRANGE

(CITY OF TOMAH TO STH 21)

CTH ET — MONROE COUNTY

CONSTRUCTION PROJECT NUMBER
7373-00-70

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	PROPERTY LINE	PL
ACCESS RIGHTS	AR	RECORDED AS	(100')
ACRES	AC	REFERENCE LINE	R/L
AND OTHERS	ET AL	RELEASE OF RIGHTS	ROR
BARN	B	REMAINING	REM.
CENTERLINE	C/L	RIGHT-OF-WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC.
CORNER	COR	SHED	S.
CONVEYANCE OF RIGHTS	CR	STATION	STA.
DOCUMENT	DOC	TEMPORARY LIMITED EASEMENT	TLE
EASEMENT	EASE	VOLUME	V.
GARAGE	G		
HIGHWAY EASEMENT	H.E.		
HOUSE	H		
HOUSE TRAILER	H.T.		
LAND CONTRACT	LC		
MONUMENT	MON		
PAGE	P		
PERMANENT LIMITED EASEMENT	PLE		

CURVE DATA

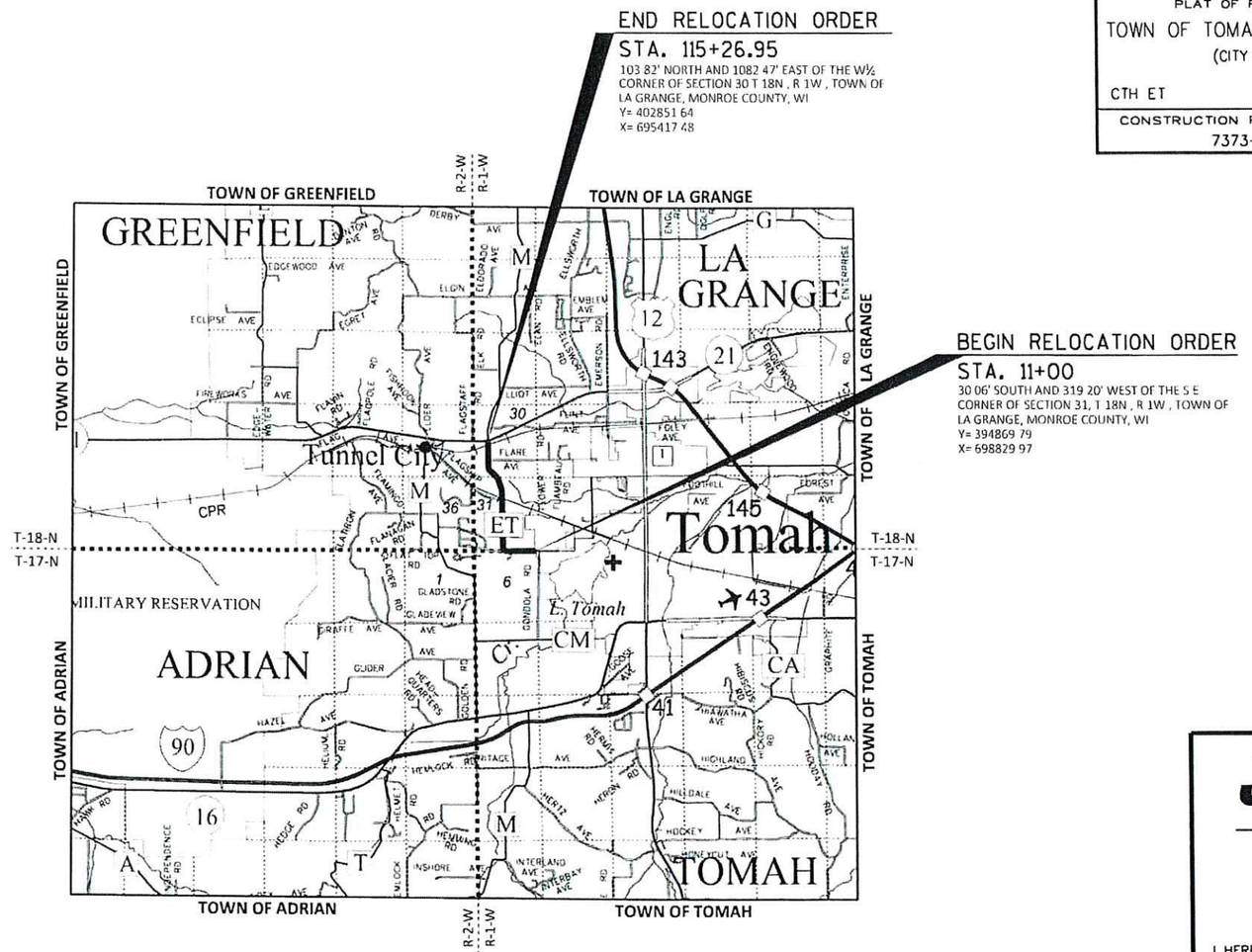
LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND SURVEY MONUMENT (WITH POINT NUMBER)	o 1040	PROPOSED R/W LINE	
R/W MONUMENT	o ● (SET)	EXISTING H.E. LINE	
R/W STANDARD	△ ▲ (SET)	PROPERTY LINE	
SIGN	SIGN	LOT & TIE LINES	
SECTION CORNER MONUMENT	⊕	SLOPE INTERCEPTS	
SECTION CORNER SYMBOL		CORPORATE LIMITS	
FEE (HATCH VARIES)		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY ACQUISITION)	
PERMANENT LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
R/W BOUNDARY POINT	RW120	SECTION LINE	
PARCEL NUMBER	8	QUARTER LINE	
UTILITY PARCEL NUMBER	92	SIXTEENTH LINE	
SIGN NUMBER (OFF PREMISE)	21-0	EXISTING CENTERLINE	
BUILDING		PROPOSED REFERENCE LINE	
		PARALLEL OFFSET	
		ENCROACHMENT	C-T / TYPE
		HIGHWAY EASEMENT	

CONVENTIONAL UTILITY SYMBOLS

WATER	—W—	SANITARY SEWER	—SAN—	
GAS	—G—	STORM SEWER	—SS—	
TELEPHONE	—T—		NON COMPENSABLE	COMPENSABLE
OVERHEAD TRANSMISSION LINES	—OH—	POWER POLE		
ELECTRIC	—E—	TELEPHONE POLE		
CABLE TELEVISION	—tv—	TELEPHONE PEDESTAL		
FIBER OPTIC	—FO—	ELECTRIC TOWER	⊠	



LAYOUT

SCALE 0 — 2 MI

TOTAL NET LENGTH OF CENTERLINE = 1.975 MI

NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, MONROE COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN 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 MONUMENTS (TYPICALLY ¾ X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT

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"

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

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.

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.

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSE ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS

JEWELL
associates engineers, inc.
Engineers - Architects - Surveyors

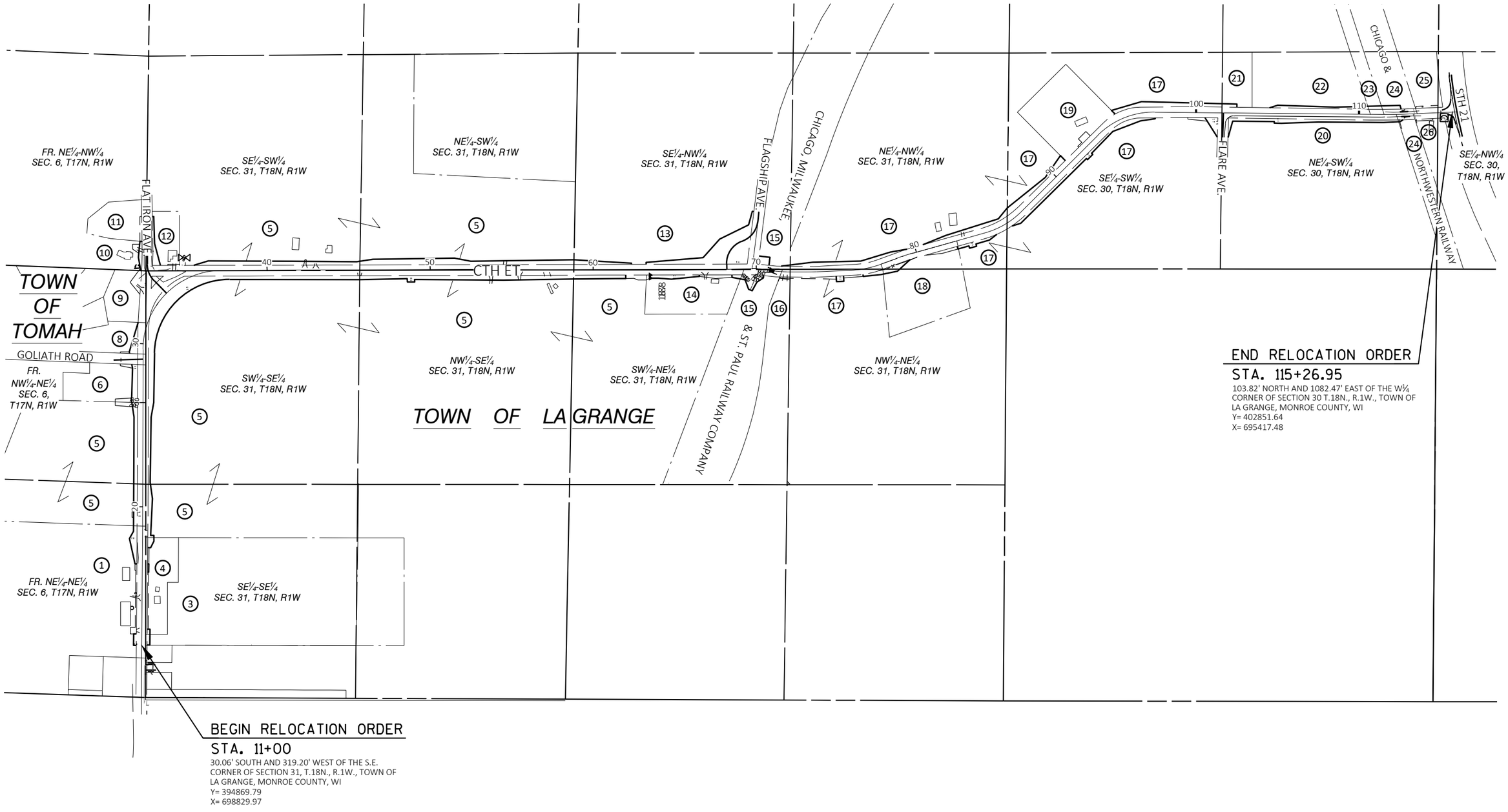
560 SUNRISE DRIVE
SPRING GREEN, WI 53588
PHONE : 608.588.7484
www.jewellssoc.com

I HEREBY CERTIFY THAT THIS PLAT WAS MADE FOR MONROE COUNTY, WISCONSIN AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

WISCONSIN
WESLEY L KRAEMER
S-3026
SPRING GREEN WIS.
9-22-20
LAND SURVEYOR

REVISION DATE
11-18-20 (N.C.)
01-27-21 (N.C.)

APPROVED FOR MONROE COUNTY
DATE: (NAME / TITLE) HIGHWAY COMMISSIONER



REVISION DATE 11-18-20 (N.C.) 01-27-21	DATE: NOVEMBER 18, 2020	SCALE, FEET 0 300 600	HWY: CTH ET	R/W PROJECT NUMBER: 7373-00-00	PLAT SHEET 4.02	
	GRID FACTOR N/A		COUNTY: MONROE	CONSTRUCTION PROJECT NUMBER: 7373-00-70	PS&E SHEET 62	E

S:\Projects\W11616 CTH ET, Monroe Co (Tomah-STH 21)\RW\W11616 RW PLAT.DWG PLOT DATE : 8/16/2021 4:03 PM PLOT BY : Anliker, Noah PLOT NAME : PLOT SCALE : 1:1

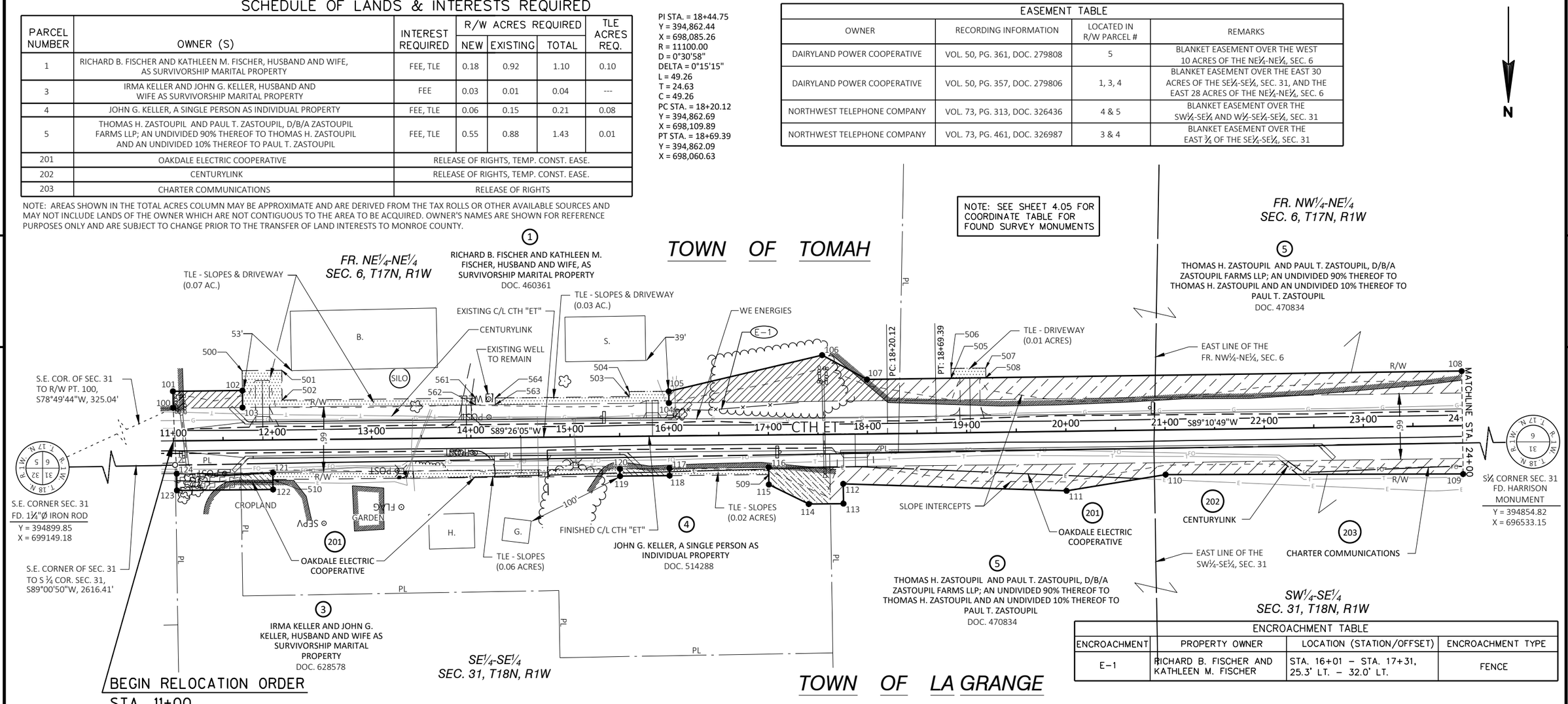
SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED			TLE ACRES REQ.
			NEW	EXISTING	TOTAL	
1	RICHARD B. FISCHER AND KATHLEEN M. FISCHER, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	FEE, TLE	0.18	0.92	1.10	0.10
3	IRMA KELLER AND JOHN G. KELLER, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	FEE	0.03	0.01	0.04	---
4	JOHN G. KELLER, A SINGLE PERSON AS INDIVIDUAL PROPERTY	FEE, TLE	0.06	0.15	0.21	0.08
5	THOMAS H. ZASTOUPIL AND PAUL T. ZASTOUPIL, D/B/A ZASTOUPIL FARMS LLP; AN UNDIVIDED 90% THEREOF TO THOMAS H. ZASTOUPIL AND AN UNDIVIDED 10% THEREOF TO PAUL T. ZASTOUPIL	FEE, TLE	0.55	0.88	1.43	0.01
201	OAKDALE ELECTRIC COOPERATIVE	RELEASE OF RIGHTS, TEMP. CONST. EASE.				
202	CENTURYLINK	RELEASE OF RIGHTS, TEMP. CONST. EASE.				
203	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS				

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM THE TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO MONROE COUNTY.

PI STA. = 18+44.75
Y = 394,862.44
X = 698,085.26
R = 11100.00
D = 0°30'58"
DELTA = 0°15'15"
L = 49.26
T = 24.63
C = 49.26
PC STA. = 18+20.12
Y = 394,862.69
X = 698,109.89
PT STA. = 18+69.39
Y = 394,862.09
X = 698,060.63

EASEMENT TABLE			
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
DAIRYLAND POWER COOPERATIVE	VOL. 50, PG. 361, DOC. 279808	5	BLANKET EASEMENT OVER THE WEST 10 ACRES OF THE NE¼-NE¼, SEC. 6
DAIRYLAND POWER COOPERATIVE	VOL. 50, PG. 357, DOC. 279806	1, 3, 4	BLANKET EASEMENT OVER THE EAST 30 ACRES OF THE SE¼-SE¼, SEC. 31, AND THE EAST 28 ACRES OF THE NE¼-NE¼, SEC. 6
NORTHWEST TELEPHONE COMPANY	VOL. 73, PG. 313, DOC. 326436	4 & 5	BLANKET EASEMENT OVER THE SW¼-SE¼ AND W½-SE¼-SE¼, SEC. 31
NORTHWEST TELEPHONE COMPANY	VOL. 73, PG. 461, DOC. 326987	3 & 4	BLANKET EASEMENT OVER THE EAST ¾ OF THE SE¼-SE¼, SEC. 31



ENCROACHMENT TABLE			
ENCROACHMENT	PROPERTY OWNER	LOCATION (STATION/OFFSET)	ENCROACHMENT TYPE
E-1	RICHARD B. FISCHER AND KATHLEEN M. FISCHER	STA. 16+01 – STA. 17+31, 25.3' LT. – 32.0' LT.	FENCE

NOTE: EXISTING C/L OF CTH ET BASED ON CENTERLINE OF EXISTING PAVEMENT.

EXISTING RIGHT-OF-WAY FOR CTH ET BASED ON THE CENTERLINE OF EXISTING PAVEMENT AND WIS. STATUTE 82.31(2).

COORDINATE TABLE – NEW R/W POINTS				
PT.#	STATION	OFFSET	Y	X
100	11+00.00	32.92' LT.	394836.88	698830.30
101	11+00.00	50.00' LT.	394819.79	698830.47
102	11+70.00	50.00' LT.	394819.10	698760.47
103	11+70.00	32.97' LT.	394836.13	698760.30
104	16+00.00	33.29' LT.	394831.57	698330.33
105	16+00.00	45.00' LT.	394819.86	698330.44
106	17+55.00	80.00' LT.	394783.33	698175.80
107	18+00.00	55.00' LT.	394807.89	698130.55
108	24+00.00	55.03' LT.	394799.48	697530.85
109	24+00.00	48.75' RT.	394903.25	697529.37
110	21+00.00	45.00' RT.	394903.79	697829.39
111	20+00.00	60.00' RT.	394920.22	697929.17
112	17+75.00	50.00' RT.	394913.13	698154.51

COORDINATE TABLE – NEW R/W POINTS				
PT.#	STATION	OFFSET	Y	X
113	17+75.00	70.00' RT.	394933.13	698154.32
114	17+40.00	70.00' RT.	394933.47	698189.32
115	17+00.00	50.00' RT.	394913.87	698229.51
116	17+00.00	32.63' RT.	394896.50	698229.68
117	16+00.00	32.71' RT.	394897.56	698329.68
118	16+00.00	40.00' RT.	394904.86	698329.60
119	15+50.00	40.00' RT.	394905.35	698379.60
120	15+50.00	32.74' RT.	394898.10	698379.67
121	12+00.00	33.01' RT.	394901.81	698729.65
122	12+00.00	50.00' RT.	394918.80	698729.49
123	11+03.00	50.00' RT.	394919.76	698826.48
124	11+03.00	33.08' RT.	394902.84	698826.65

COORDINATE TABLE – TLE POINTS				
PT.#	STATION	OFFSET	Y	X
500	11+70.00	70.00' LT.	394799.11	698760.67
501	12+10.00	70.00' LT.	394798.71	698720.67
502	12+10.00	40.00' LT.	394828.71	698720.37
503	15+60.00	40.00' LT.	394825.26	698370.39
504	15+60.00	45.00' LT.	394820.26	698370.44
505	18+85.00	55.17' LT.	394806.70	698045.80
506	18+85.00	65.00' LT.	394796.88	698045.94
507	19+20.00	65.00' LT.	394796.37	698010.95
508	19+20.00	55.16' LT.	394806.21	698010.81
509	17+00.00	40.00' RT.	394903.87	698229.61
510	12+00.00	40.00' RT.	394908.80	698729.59
561	14+05.00	40.00' LT.	394826.79	698525.38
562	14+05.00	33.15' LT.	394833.64	698525.32
563	14+25.00	33.16' LT.	394833.43	698505.32
564	14+25.00	40.00' LT.	394826.59	698505.39

RIGHT OF WAY LINE TABLE		
POINT TO POINT	BEARING	DISTANCE
100 TO 101	S00°33'55"E	17.08'
101 TO 102	S89°26'05"W	70.00'
102 TO 103	N00°33'55"W	17.03'
103 TO 104	S89°23'29"W	430.00'
104 TO 105	S00°33'55"E	11.71'
105 TO 106	S76°42'37"W	158.90'
106 TO 107	N61°30'39"W	51.48'
107 TO 108	S89°11'48"W	599.76'
108 TO 109	N00°49'11"W	103.78'
109 TO 110	N89°53'48"E	300.02'
110 TO 111	N80°38'59"E	101.12'
111 TO 112	S88°11'55"E	225.46'
112 TO 113	N00°33'55"W	20.00'

RIGHT OF WAY LINE TABLE		
POINT TO POINT	BEARING	DISTANCE
113 TO 114	N89°26'05"E	35.00'
114 TO 115	S64°00'01"E	44.72'
115 TO 116	S00°33'55"E	17.37'
116 TO 117	N89°23'29"E	100.00'
117 TO 118	N00°33'55"W	7.29'
118 TO 119	N89°26'05"E	50.00'
119 TO 120	S00°33'55"E	7.26'
120 TO 121	N89°23'29"E	350.00'
121 TO 122	N00°33'55"W	16.99'
122 TO 123	N89°26'05"E	97.00'
123 TO 124	S00°33'55"E	16.92'
124 TO 100	S03°10'05"E	66.07'

REVISION DATE 11-18-20, 01-27-21 (N.C.)	DATE: NOVEMBER 18, 2020	SCALE, FEET 0 50 100	HWY: CTH ET	R/W PROJECT NUMBER: 7373-00-00	PLAT SHEET 4.03
	GRID FACTOR N/A		COUNTY: MONROE	CONSTRUCTION PROJECT NUMBER: 7373-00-70	PS&E SHEET 63 E

S:\Projects\W11616 CTH ET, Monroe Co (Tomah-STH 21)\RW\W11616 RW PLAT.DWG PLOT DATE : 8/16/2021 4:04 PM PLOT BY : Anliker, Noah PLOT NAME : PLOT SCALE : 1:1

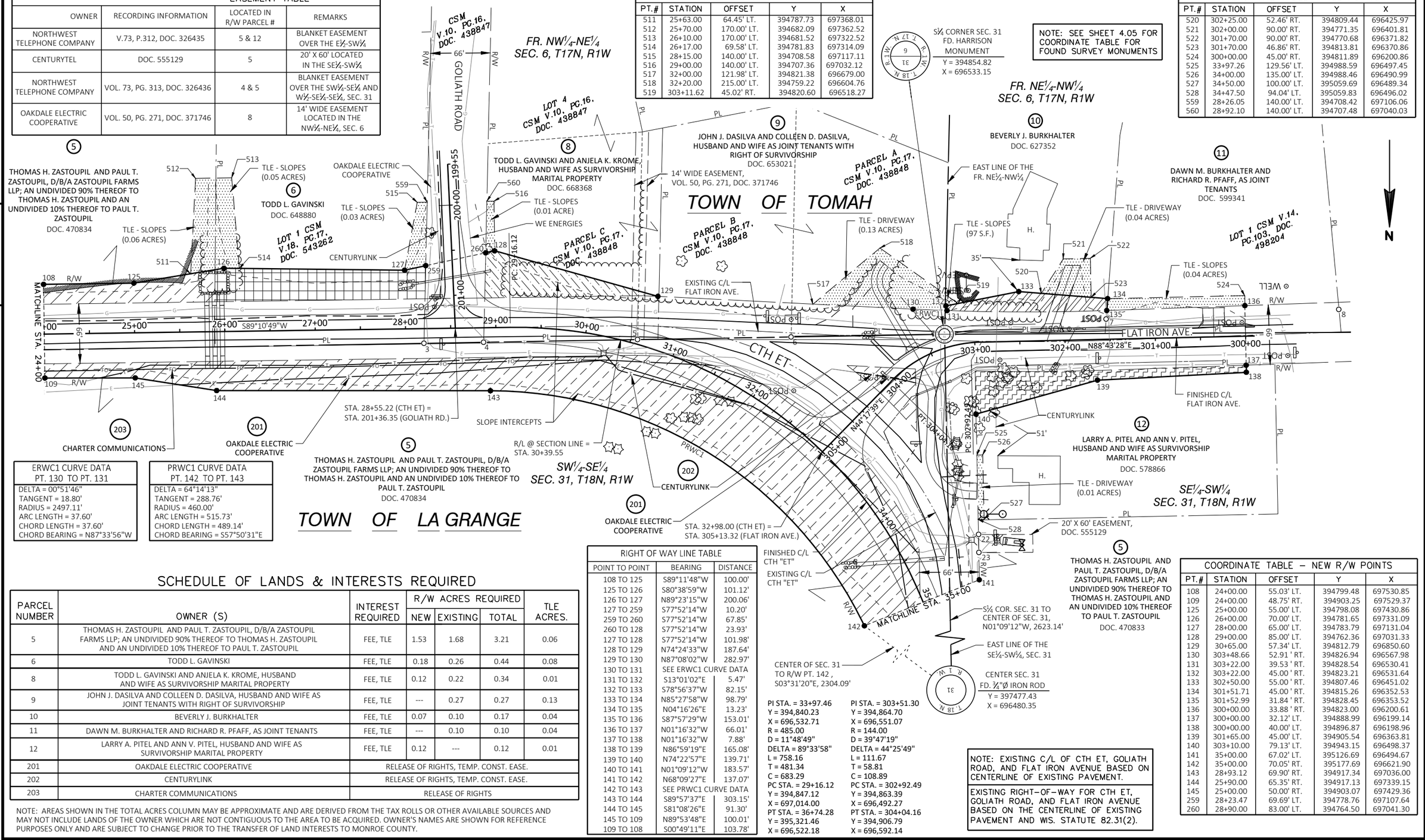
WISDOT/CADDS SHEET 75

EASEMENT TABLE			
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
NORTHWEST TELEPHONE COMPANY	V.73, P.312, DOC. 326435	5 & 12	BLANKET EASEMENT OVER THE E½-SW¼
CENTURYTEL	DOC. 555129	5	20' X 60' LOCATED IN THE SE¼-SW¼
NORTHWEST TELEPHONE COMPANY	VOL. 73, PG. 313, DOC. 326436	4 & 5	BLANKET EASEMENT OVER THE SW¼-SE¼ AND W½-SE¼-SE¼, SEC. 31
OAKDALE ELECTRIC COOPERATIVE	VOL. 50, PG. 271, DOC. 371746	8	14' WIDE EASEMENT LOCATED IN THE NW¼-NE¼, SEC. 6

COORDINATE TABLE – TLE POINTS				
PT.#	STATION	OFFSET	Y	X
511	25+63.00	64.45' LT.	394787.73	697368.01
512	25+70.00	170.00' LT.	394682.09	697362.52
513	26+10.00	170.00' LT.	394681.52	697322.52
514	26+17.00	69.58' LT.	394781.83	697314.09
515	28+15.00	140.00' LT.	394708.58	697117.11
516	29+00.00	140.00' LT.	394707.36	697032.12
517	32+00.00	121.98' LT.	394821.38	696679.00
518	32+20.00	215.00' LT.	394759.22	696604.76
519	303+11.62	45.02' RT.	394820.60	696518.27

COORDINATE TABLE – TLE POINTS				
PT.#	STATION	OFFSET	Y	X
520	302+25.00	52.46' RT.	394809.44	696425.97
521	302+00.00	90.00' RT.	394771.35	696401.81
522	301+70.00	90.00' RT.	394770.68	696371.82
523	301+70.00	46.86' RT.	394813.81	696370.86
524	300+00.00	45.00' RT.	394811.89	696200.86
525	33+97.26	129.56' LT.	394988.59	696497.45
526	34+00.00	135.00' LT.	394988.46	696490.99
527	34+50.00	100.00' LT.	395059.69	696489.34
528	34+47.50	94.04' LT.	395059.83	696496.02
559	28+26.05	140.00' LT.	394708.42	697106.06
560	28+92.10	140.00' LT.	394707.48	697040.03

NOTE: SEE SHEET 4.05 FOR COORDINATE TABLE FOR FOUND SURVEY MONUMENTS



ERWC1 CURVE DATA PT. 130 TO PT. 131
DELTA = 00°51'46"
TANGENT = 18.80'
RADIUS = 2497.11'
ARC LENGTH = 37.60'
CHORD LENGTH = 37.60'
CHORD BEARING = N87°33'56"W

PRWC1 CURVE DATA PT. 142 TO PT. 143
DELTA = 64°14'13"
TANGENT = 288.76'
RADIUS = 460.00'
ARC LENGTH = 515.73'
CHORD LENGTH = 489.14'
CHORD BEARING = S57°50'31"E

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES.
5	THOMAS H. ZASTOUPIL AND PAUL T. ZASTOUPIL, D/B/A ZASTOUPIL FARMS LLP; AN UNDIVIDED 90% THEREOF TO THOMAS H. ZASTOUPIL AND AN UNDIVIDED 10% THEREOF TO PAUL T. ZASTOUPIL	FEE, TLE	1.53	1.68	3.21	0.06
6	TODD L. GAVINSKI	FEE, TLE	0.18	0.26	0.44	0.08
8	TODD L. GAVINSKI AND ANJELA K. KROME, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	FEE, TLE	0.12	0.22	0.34	0.01
9	JOHN J. DASILVA AND COLLEEN D. DASILVA, HUSBAND AND WIFE AS JOINT TENANTS WITH RIGHT OF SURVIVORSHIP	FEE, TLE	---	0.27	0.27	0.13
10	BEVERLY J. BURKHALTER	FEE, TLE	0.07	0.10	0.17	0.04
11	DAWN M. BURKHALTER AND RICHARD R. PFAFF, AS JOINT TENANTS	FEE, TLE	---	0.10	0.10	0.04
12	LARRY A. PITEL AND ANN V. PITEL, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	FEE, TLE	0.12	---	0.12	0.01
201	OAKDALE ELECTRIC COOPERATIVE	RELEASE OF RIGHTS, TEMP. CONST. EASE.				
202	CENTURYLINK	RELEASE OF RIGHTS, TEMP. CONST. EASE.				
203	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS				

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM THE TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO MONROE COUNTY.

RIGHT OF WAY LINE TABLE		
POINT TO POINT	BEARING	DISTANCE
108 TO 125	S89°11'48"W	100.00'
125 TO 126	S80°38'59"W	101.12'
126 TO 127	N89°23'15"W	200.06'
127 TO 259	S77°52'14"W	10.20'
259 TO 260	S77°52'14"W	67.85'
260 TO 128	S77°52'14"W	23.93'
127 TO 128	S77°52'14"W	101.98'
128 TO 129	N74°24'33"W	187.64'
129 TO 130	N87°08'02"W	282.97'
130 TO 131	SEE ERWC1 CURVE DATA	
131 TO 132	S13°01'02"E	5.47'
132 TO 133	S78°56'37"W	82.15'
133 TO 134	N85°27'58"W	98.79'
134 TO 135	N04°16'26"E	13.23'
135 TO 136	S87°57'29"W	153.01'
136 TO 137	N01°16'32"W	66.01'
137 TO 138	N01°16'32"W	7.88'
138 TO 139	N86°59'19"E	165.08'
139 TO 140	N74°22'57"E	139.71'
140 TO 141	N01°09'12"W	183.57'
141 TO 142	N68°09'27"E	137.07'
142 TO 143	SEE PRWC1 CURVE DATA	
143 TO 144	S89°57'37"E	303.15'
144 TO 145	S81°08'26"E	91.30'
145 TO 109	N89°53'48"E	100.01'
109 TO 108	S00°49'11"E	103.78'

PI STA. = 33+97.46
Y = 394,840.23
X = 696,532.71
R = 485.00
D = 11°48'49"
DELTA = 89°33'58"
L = 758.16
T = 481.34
C = 683.29
PC STA. = 29+16.12
Y = 394,847.12
X = 697,014.00
PT STA. = 36+74.28
Y = 395,321.46
X = 696,522.18

PI STA. = 303+51.30
Y = 394,864.70
X = 696,551.07
R = 144.00
D = 39°47'19"
DELTA = 44°25'49"
L = 111.67
T = 58.81
C = 108.89
PC STA. = 302+92.49
Y = 394,863.39
X = 696,492.27
PT STA. = 304+04.16
Y = 394,906.79
X = 696,592.14

NOTE: EXISTING C/L OF CTH ET, GOLIATH ROAD, AND FLAT IRON AVENUE BASED ON CENTERLINE OF EXISTING PAVEMENT.

EXISTING RIGHT-OF-WAY FOR CTH ET, GOLIATH ROAD, AND FLAT IRON AVENUE BASED ON THE CENTERLINE OF EXISTING PAVEMENT AND WIS. STATUTE 82.31(2).

COORDINATE TABLE – NEW R/W POINTS				
PT.#	STATION	OFFSET	Y	X
108	24+00.00	55.03' LT.	394799.48	697530.85
109	24+00.00	48.75' RT.	394903.25	697529.37
125	25+00.00	55.00' LT.	394798.08	697430.86
126	26+00.00	70.00' LT.	394781.65	697331.09
127	28+00.00	65.00' LT.	394783.79	697131.04
128	29+00.00	85.00' LT.	394762.36	697031.33
129	30+65.00	57.34' LT.	394812.79	696850.60
130	303+48.66	52.91 ' RT.	394826.94	696567.98
131	303+22.00	39.53 ' RT.	394828.54	696530.41
132	303+22.00	45.00 ' RT.	394823.21	696531.64
133	302+50.00	55.00 ' RT.	394807.46	696451.02
134	301+51.71	45.00 ' RT.	394815.26	696352.53
135	301+52.99	31.84 ' RT.	394828.45	696353.52
136	300+00.00	33.88 ' RT.	394823.00	696200.61
137	300+00.00	32.12' LT.	394888.99	696199.14
138	300+00.00	40.00' LT.	394896.87	696198.96
139	301+65.00	45.00' LT.	394905.54	696363.81
140	303+10.00	79.13' LT.	394943.15	696498.37
141	35+00.00	67.02' LT.	395126.69	696494.67
142	35+00.00	70.05' RT.	395177.69	696621.90
143	28+93.12	69.90' RT.	394917.34	697036.00
144	25+90.00	65.35' RT.	394917.13	697339.15
145	25+00.00	50.00' RT.	394903.07	697429.36
259	28+23.47	69.69' LT.	394778.76	697107.64
260	28+90.00	83.00' LT.	394764.50	697041.30

REVISION DATE	DATE: NOVEMBER 18, 2020	SCALE, FEET 0 50 100	HWY: CTH ET	R/W PROJECT NUMBER: 7373-00-00	PLAT SHEET 4.04	
11-18-20 (N.C.) 01-27-21 (N.C.)	GRID FACTOR N/A		COUNTY: MONROE	CONSTRUCTION PROJECT NUMBER: 7373-00-70	PS&E SHEET 64	E

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED			TLE ACRES OR S.F. REQ.
			NEW	EXISTING	TOTAL	
5	THOMAS H. ZASTOUPIL AND PAUL T. ZASTOUPIL, D/B/A ZASTOUPIL FARMS LLP; AN UNDIVIDED 90% THEREOF TO THOMAS H. ZASTOUPIL AND AN UNDIVIDED 10% THEREOF TO PAUL T. ZASTOUPIL	FEE	1.12	1.56	2.68	---
201	OAKDALE ELECTRIC COOPERATIVE	RELEASE OF RIGHTS				
202	CENTURYLINK	RELEASE OF RIGHTS				

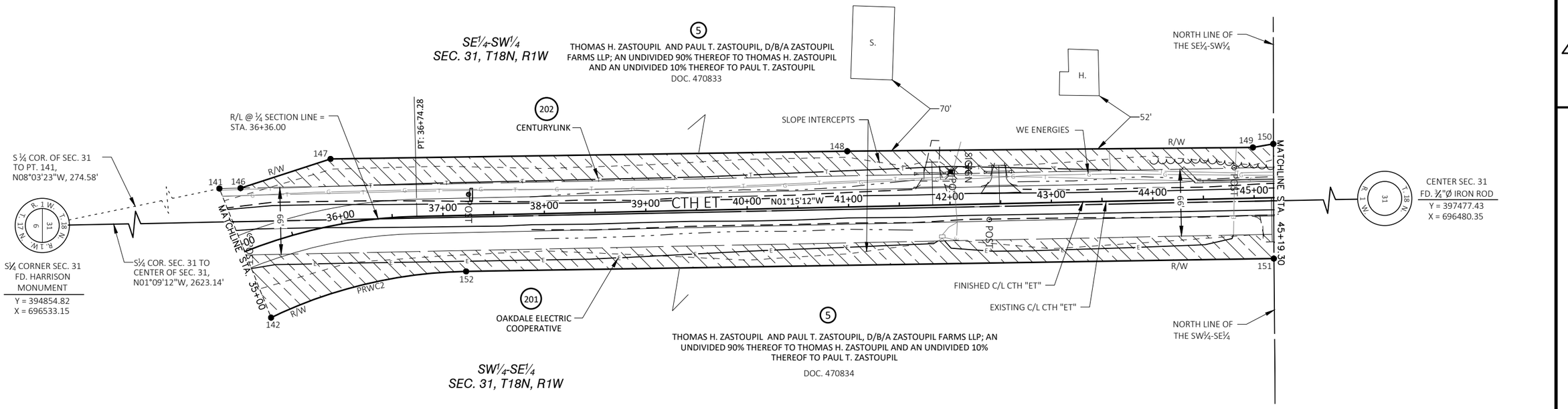
NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM THE TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO MONROE COUNTY.

PI STA. = 33+97.46
Y = 394,840.23
X = 696,532.71
R = 485.00
D = 11°48'49"
DELTA = 89°33'58"
L = 758.16
T = 481.34
C = 683.29
PC STA. = 29+16.12
Y = 394,847.12
X = 697,014.00
PT STA. = 36+74.28
Y = 395,321.46
X = 696,522.18

RIGHT OF WAY LINE TABLE		
POINT TO POINT	BEARING	DISTANCE
141 TO 146	N01°09'12"W	20.86'
146 TO 147	N17°58'14"W	93.30'
147 TO 148	N00°51'11"W	509.64'
148 TO 149	N00°32'14"W	400.03'
149 TO 150	N09°47'03"W	20.44'
150 TO 151	N89°43'58"E	113.05'
151 TO 152	S00°54'42"E	796.64'
152 TO 142	SEE PRWC2 CURVE DATA	
142 TO 141	S68°09'27"W	137.07'

PRWC2 CURVE DATA PT. 152 TO PT. 142
DELTA = 24°48'43"
TANGENT = 101.19'
RADIUS = 460.00'
ARC LENGTH = 199.20'
CHORD LENGTH = 197.65'
CHORD BEARING = S13°19'03"E

COORDINATE TABLE – NEW R/W POINTS				
PT.#	STATION	OFFSET	Y	X
141	35+00.00	67.02' LT.	395126.69	696494.67
142	35+00.00	70.05' RT.	395177.69	696621.90
146	35+17.37	60.00' LT.	395147.55	696494.25
147	36+00.00	65.00' LT.	395236.29	696465.47
148	41+00.00	55.00' LT.	395745.87	696457.88
149	45+00.00	50.00' LT.	396145.89	696454.13
150	45+20.22	53.03' LT.	396166.03	696450.66
151	45+18.27	60.00' RT.	396166.56	696563.70
152	37+21.65	55.25' RT.	395370.02	696576.38



TOWN OF LA GRANGE

COORDINATE TABLE–FOUND SURVEY MONUMENTS				
PT.#	STATION	OFFSET	Y	X
1	10+22.26	25.47' RT.	394896.03	698907.46
2	11+01.55	24.35' RT.	394894.12	698828.18
3	28+20.38	16.34' RT.	394864.83	697109.50
4	28+86.40	16.10' RT.	394863.64	697043.49
5	30+57.40	5.06' LT.	394860.69	696873.05
6	31+99.50	78.29' LT.	394857.83	696703.10
7	33+70.74	333.79' LT.	394838.03	696354.12
8	34+39.39	556.13' LT.	394827.28	696096.49
9	58+31.10	34.08' LT.	397477.47	696447.39
10	62+76.59	29.99' RT.	397923.87	696504.66
11	68+61.23	35.97' RT.	398509.12	696492.86
12	69+23.72	3.92' RT.	398570.15	696458.44
13	70+53.73	216.43' RT.	398677.05	696679.83
14	77+19.85	33.00' RT.	399371.71	696443.46
15	78+92.74	32.08' RT.	399531.76	696382.35
16	82+04.98	33.37' RT.	399830.28	696293.45
17	90+59.52	32.14' LT.	400478.67	695756.91
18	93+86.53	36.95' LT.	400711.01	695519.20
19	94+65.25	45.52' LT.	400778.49	695466.29
20	101+08.49	35.61' LT.	401433.55	695411.88
21	102+93.54	3.78' LT.	401618.85	695442.18
22	34+60.17	86.96' LT.	395076.43	696495.41
23	34+75.78	78.67' LT.	395096.50	696494.98

NOTE: EXISTING C/L OF CTH ET BASED ON CENTERLINE OF EXISTING PAVEMENT.

EXISTING RIGHT–OF–WAY FOR CTH ET BASED ON COUNTY RECORDS AND ASSOCIATED FOUND SURVEY MONUMENTATION, THE NORTH–SOUTH QUARTER SECTION LINE OF SECTION 31, THE CENTERLINE OF EXISTING PAVEMENT, AND WIS. STATUTE 82.31(2).

EASEMENT TABLE			
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
NORTHWEST TELEPHONE COMPANY	V.73, P.312, DOC. 326435	5 & 12	BLANKET EASEMENT OVER THE E½-SW¼

REVISION DATE 11-18-20 (N.C.)
01-27-21 (N.C.)

DATE: NOVEMBER 18, 2020
GRID FACTOR N/A
SCALE, FEET 0 50 100
HWY: CTH ET
COUNTY: MONROE
R/W PROJECT NUMBER: 7373-00-00
CONSTRUCTION PROJECT NUMBER: 7373-00-70
PLAT SHEET 4.05
PS&E SHEET 65
E

S:\Projects\W11616 CTH ET, Monroe Co (Tomah–STH 21)\RW\W11616 RW PLAT.DWG PLOT DATE : 8/16/2021 4:05 PM PLOT BY : Anliker, Noah PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 75

SCHEDULE OF LANDS & INTERESTS REQUIRED

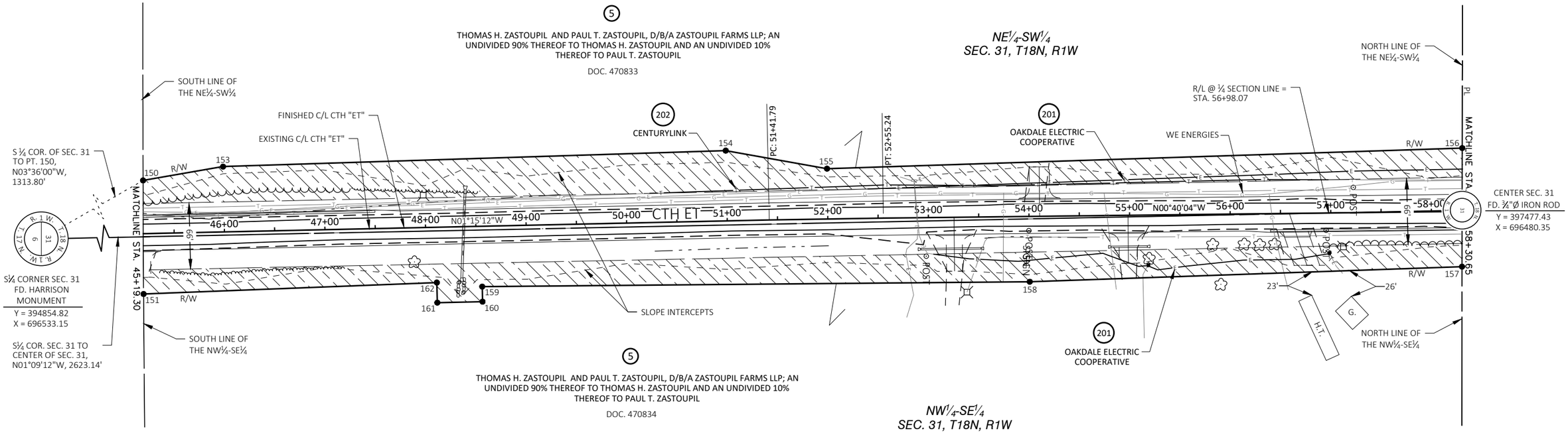
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED			TLE ACRES OR S.F. REQ.
			NEW	EXISTING	TOTAL	
5	THOMAS H. ZASTOUPIL AND PAUL T. ZASTOUPIL, D/B/A ZASTOUPIL FARMS LLP; AN UNDIVIDED 90% THEREOF TO THOMAS H. ZASTOUPIL AND AN UNDIVIDED 10% THEREOF TO PAUL T. ZASTOUPIL	FEE	1.70	1.99	3.69	---
201	OAKDALE ELECTRIC COOPERATIVE	RELEASE OF RIGHTS				
202	CENTURYLINK	RELEASE OF RIGHTS				

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM THE TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO MONROE COUNTY.

PI STA. = 51+98.52
Y = 396,845.33
X = 696,488.84
R = 11100.00
D = 0°30'58"
DELTA = 0°35'08"
L = 113.45
T = 56.72
C = 113.45
PC STA. = 51+41.79
Y = 396,788.62
X = 696,490.08
PT STA. = 52+55.24
Y = 396,902.05
X = 696,488.18

RIGHT OF WAY LINE TABLE		
POINT TO POINT	BEARING	DISTANCE
150 TO 153	N09°47'03"W	80.68'
153 TO 154	N01°49'35"W	500.03'
154 TO 155	N10°06'43"E	102.27'
155 TO 156	N01°51'33"W	631.88'
156 TO 157	S89°54'01"E	118.01'
157 TO 158	S02°00'01"E	430.03'
158 TO 159	S00°30'39"E	544.37'
159 TO 160	N88°44'48"E	15.00'
160 TO 161	S01°15'12"E	45.00'
161 TO 162	S88°44'48"W	20.00'
162 TO 151	S02°14'07"E	291.77'
151 TO 150	S89°43'58"W	113.05'

COORDINATE TABLE – NEW R/W POINTS				
PT.#	STATION	OFFSET	Y	X
150	45+20.22	53.03' LT.	396166.03	696450.66
151	45+18.27	60.00' RT.	396166.56	696563.70
153	46+00.00	65.00' LT.	396245.53	696436.95
154	51+00.00	70.00' LT.	396745.30	696421.01
155	52+00.00	50.00' LT.	396845.98	696438.97
156	58+31.50	63.00' LT.	397477.53	696418.47
157	58+29.92	55.00' RT.	397477.33	696536.48
158	54+00.00	65.00' RT.	397047.56	696551.49
159	48+55.00	60.00' RT.	396503.21	696556.34
160	48+55.00	75.00' RT.	396503.53	696571.33
161	48+10.00	75.00' RT.	396458.55	696572.32
162	48+10.00	55.00' RT.	396458.11	696552.32



TOWN OF LA GRANGE

NOTE: EXISTING C/L OF CTH ET BASED ON CENTERLINE OF EXISTING PAVEMENT.

EXISTING RIGHT-OF-WAY FOR CTH ET BASED ON COUNTY RECORDS AND ASSOCIATED FOUND SURVEY MONUMENTATION, THE NORTH-SOUTH QUARTER SECTION LINE OF SECTION 31, THE CENTERLINE OF EXISTING PAVEMENT, AND WIS. STATUTE 82.31(2).

EASEMENT TABLE			
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
NORTHWEST TELEPHONE COMPANY	V.73, P.312, DOC. 326435	5 & 12	BLANKET EASEMENT OVER THE E½-SW¼
NORTHWEST TELEPHONE COMPANY	V.75, P.470, DOC. 330433	5	20' WIDE EASEMENT CENTERED ON FIRST LINE INSTALLED IN NW¼-SE¼

REVISION DATE 11-18-20 (N.C.)
01-27-21 (N.C.)

DATE: NOVEMBER 18, 2020
GRID FACTOR N/A

SCALE, FEET
0 50 100

HWY: CTH ET
COUNTY: MONROE

R/W PROJECT NUMBER: 7373-00-00
CONSTRUCTION PROJECT NUMBER: 7373-00-70

PLAT SHEET 4.06
PS&E SHEET 66

E

S:\Projects\W11616 CTH ET, Monroe Co (Tomah-STH 21)\RW\W11616 RW PLAT.DWG PLOT DATE : 8/16/2021 4:05 PM PLOT BY : Anliker, Noah PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 75

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED			TLE ACRES OR S.F. REQ.	PERMIT
			NEW	EXISTING	TOTAL		
5	THOMAS H. ZASTOUPIL AND PAUL T. ZASTOUPIL, D/B/A ZASTOUPIL FARMS LLP; AN UNDIVIDED 90% THEREOF TO THOMAS H. ZASTOUPIL AND AN UNDIVIDED 10% THEREOF TO PAUL T. ZASTOUPIL	FEE, TLE	0.16	0.79	0.95	0.07	
13	THE THOMAS E. CLAY FAMILY IRREVOCABLE TRUST	FEE	1.44	1.07	2.51	---	
14	ARTHUR G. TRALMER AND MARY M. TRALMER, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	FEE, TLE	0.16	---	0.16	0.09	
15	CHICAGO, MILWAUKEE, & ST. PAUL RAILWAY COMPANY	PERMIT	---	---	---	---	0.25
16	DANIEL RICHOLSON, A SINGLE INDIVIDUAL	FEE, TLE	---	0.06	0.06	0.01	
201	OAKDALE ELECTRIC COOPERATIVE	RELEASE OF RIGHTS, TEMP. CONST. EASE.					
202	CENTURYLINK	RELEASE OF RIGHTS					
204	WE ENERGIES	RELEASE OF RIGHTS					
206	NORTHERN NATURAL GAS COMPANY	TEMP. CONST. EASE.					

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM THE TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO MONROE COUNTY.

NOTE: EXISTING C/L OF CTH ET AND FLAGSHIP AVENUE BASED ON CENTERLINE OF EXISTING PAVEMENT.

EXISTING RIGHT-OF-WAY FOR CTH ET BASED ON COUNTY RECORDS AND ASSOCIATED FOUND SURVEY MONUMENTATION, THE NORTH-SOUTH QUARTER SECTION LINE OF SECTION 31, THE CENTERLINE OF EXISTING PAVEMENT, AND WIS. STATUTE 82.31(2). EXISTING RIGHT-OF-WAY FOR FLAGSHIP AVENUE BASED ON COUNTY RECORDS AND ASSOCIATED FOUND SURVEY MONUMENTATION.

PI STA. = 60+58.59
Y = 397,705.35
X = 696,478.81
R = 11100.00
D = 0°30'58"
DELTA = 0°25'15"
L = 81.53
T = 40.77
C = 81.53
PC STA. = 60+17.83
Y = 397,664.58
X = 696,479.29
PT STA. = 60+99.36
Y = 397,746.11
X = 696,478.04

PI STA. = 65+57.03
Y = 398,203.70
X = 696,469.34
R = 11100.00
D = 0°30'58"
DELTA = 1°15'04"
L = 242.37
T = 121.19
C = 242.36
PC STA. = 64+35.85
Y = 398,082.53
X = 696,471.65
PT STA. = 66+78.21
Y = 398,324.78
X = 696,464.40

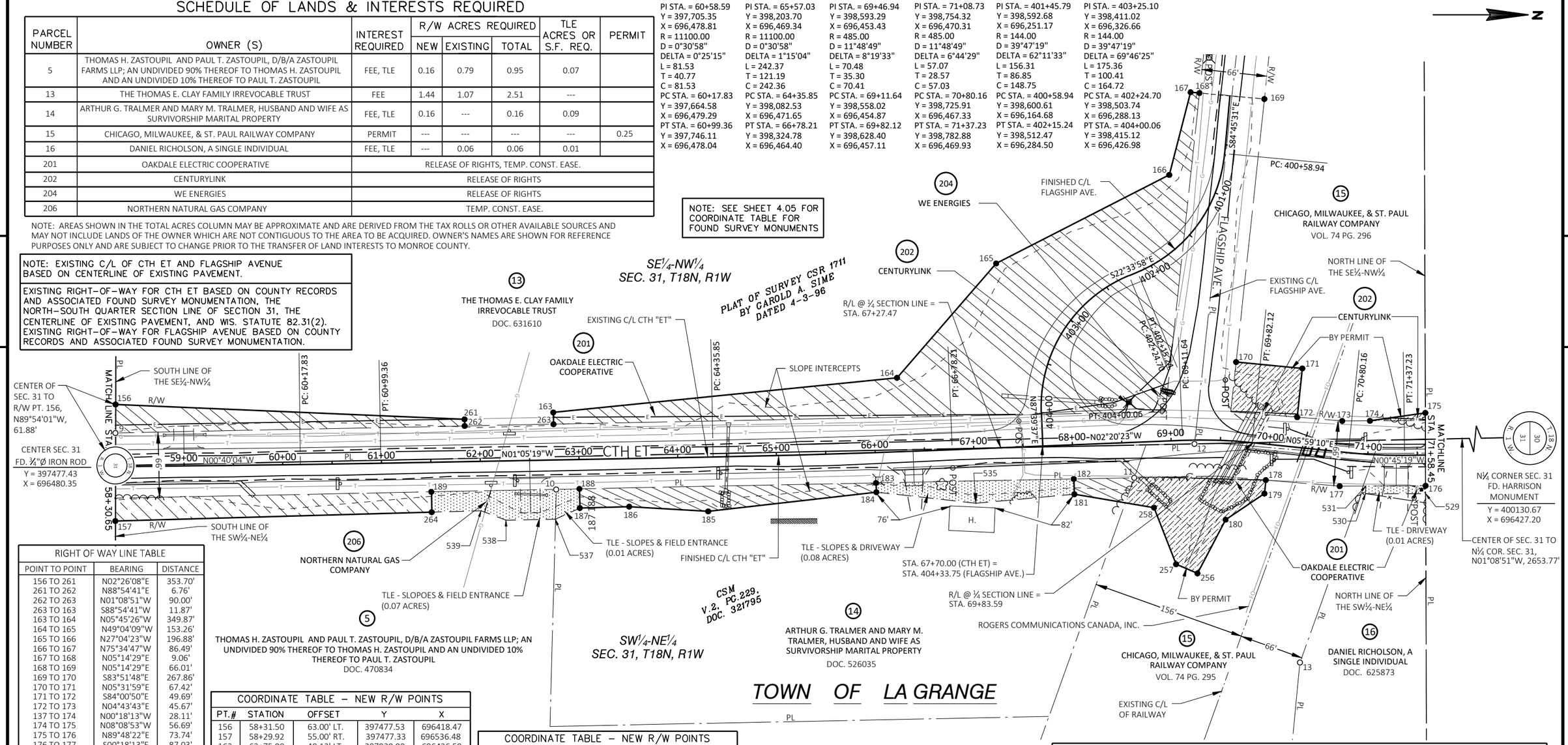
PI STA. = 69+46.94
Y = 398,593.29
X = 696,453.43
R = 485.00
D = 11°48'49"
DELTA = 8°19'33"
L = 70.48
T = 35.30
C = 70.41
PC STA. = 69+11.64
Y = 398,558.02
X = 696,454.87
PT STA. = 69+82.12
Y = 398,628.40
X = 696,457.11

PI STA. = 71+08.73
Y = 398,754.32
X = 696,470.31
R = 485.00
D = 11°48'49"
DELTA = 6°44'29"
L = 57.07
T = 28.57
C = 57.03
PC STA. = 70+80.16
Y = 398,725.91
X = 696,467.33
PT STA. = 71+37.23
Y = 398,782.88
X = 696,469.93

PI STA. = 401+45.79
Y = 398,592.68
X = 696,251.17
R = 144.00
D = 39°47'19"
DELTA = 62°11'33"
L = 156.31
T = 86.85
C = 148.75
PC STA. = 400+58.94
Y = 398,600.61
X = 696,164.68
PT STA. = 402+15.24
Y = 398,512.47
X = 696,284.50

PI STA. = 403+25.10
Y = 398,411.02
X = 696,326.66
R = 144.00
D = 39°47'19"
DELTA = 69°46'25"
L = 175.36
T = 100.41
C = 164.72
PC STA. = 402+24.70
Y = 398,503.74
X = 696,288.13
PT STA. = 404+00.06
Y = 398,415.12
X = 696,426.98

NOTE: SEE SHEET 4.05 FOR COORDINATE TABLE FOR FOUND SURVEY MONUMENTS



RIGHT OF WAY LINE TABLE

POINT TO POINT	BEARING	DISTANCE
156 TO 261	N02°26'08"E	353.70'
261 TO 262	N88°54'41"E	6.76'
262 TO 263	N01°08'51"W	90.00'
263 TO 163	S88°54'41"W	11.87'
163 TO 164	N05°45'26"W	349.87'
164 TO 165	N49°04'09"W	153.26'
165 TO 166	N27°04'23"W	196.88'
166 TO 167	N75°34'47"W	86.49'
167 TO 168	N05°14'29"E	9.06'
168 TO 169	N05°14'29"E	66.01'
169 TO 170	S83°51'48"E	267.86'
170 TO 171	N05°31'59"E	67.42'
171 TO 172	S84°00'50"E	49.69'
172 TO 173	N04°43'43"E	45.67'
137 TO 174	N00°18'13"W	28.11'
174 TO 175	N08°08'53"W	56.69'
175 TO 176	N89°48'22"E	73.74'
176 TO 177	S00°18'13"E	87.03'
177 TO 178	S04°43'43"W	75.03'
178 TO 179	S84°00'50"E	13.75'
179 TO 180	S33°56'37"E	47.40'
180 TO 256	S62°20'05"E	61.34'
256 TO 257	S23°07'16"W	23.57'
257 TO 258	S68°40'46"W	61.49'
258 TO 181	S09°33'23"W	81.76'
181 TO 182	S87°39'37"W	15.48'
182 TO 183	S01°08'51"E	200.26'
183 TO 184	N88°03'51"E	9.37'
184 TO 185	S06°31'11"E	171.35'
185 TO 186	S03°26'43"W	80.25'
186 TO 187	S01°36'07"E	50.00'
187 TO 188	S88°54'41"W	19.39'
188 TO 189	S01°08'51"E	150.00'
189 TO 264	N88°54'41"E	20.57'
264 TO 157	S01°36'07"E	320.50'
157 TO 156	N89°54'01"W	118.01'

COORDINATE TABLE – NEW R/W POINTS

PT.#	STATION	OFFSET	Y	X
156	58+31.50	63.00' LT.	397477.53	696418.47
157	58+29.92	55.00' RT.	397477.33	696536.48
163	62+75.00	48.13' LT.	397920.80	696426.59
164	66+25.00	75.00' LT.	398268.91	696391.49
165	403+00.00	95.00' RT.	398369.32	696275.70
166	401+00.00	50.00' RT.	398544.62	696186.10
167	400+00.00	40.00' RT.	398566.16	696102.33
168	400+00.00	30.94' RT.	398575.18	696103.16
169	400+00.00	35.07' LT.	398640.92	696109.19
170	69+61.05	80.00' LT.	398612.28	696375.52
171	70+25.00	80.00' LT.	398679.39	696382.02
172	70+25.00	30.31' LT.	398674.21	696431.43
173	70+70.66	31.31' LT.	398719.72	696435.20
174	71+00.00	34.02' LT.	398747.84	696435.05
175	71+58.86	42.64' LT.	398803.95	696427.02
176	71+58.14	31.10' RT.	398804.20	696500.75
177	70+75.01	34.61' RT.	398717.17	696501.21
178	70+00.00	36.25' RT.	398642.40	696495.03
179	70+00.00	50.00' RT.	398640.97	696508.70
180	69+60.00	80.00' RT.	398601.65	696535.16

COORDINATE TABLE – NEW R/W POINTS

PT.#	STATION	OFFSET	Y	X
181	68+00.00	50.00' RT.	398448.51	696509.38
182	68+00.00	34.52' RT.	398447.88	696493.91
183	66+00.00	30.63' RT.	398247.66	696497.92
184	66+00.00	40.00' RT.	398247.98	696507.29
185	64+30.00	55.00' RT.	398077.73	696526.75
186	63+50.00	48.66' RT.	397997.63	696521.93
187	63+00.00	49.10' RT.	397947.64	696523.32
188	63+00.00	29.72' RT.	397947.28	696503.94
189	61+50.00	29.87' RT.	397797.31	696506.95
256	69+25.00	135.00' RT.	398573.17	696589.49
257	69+00.00	125.00' RT.	398551.49	696580.24
258	68+80.00	66.85' RT.	398529.13	696522.96
261	61+85.00	42.92' LT.	397830.92	696433.50
262	61+85.00	36.16' LT.	397831.05	696440.26
263	62+75.00	36.26' LT.	397921.03	696438.45
264	61+50.00	50.45' RT.	397797.70	696527.52

COORDINATE TABLE – TLE POINTS

PT.#	STATION	OFFSET	Y	X
529	71+58.06	39.21' RT.	398804.23	696508.87
530	71+00.00	40.00' RT.	398743.13	696508.92
531	71+00.00	32.14' RT.	398743.63	696501.07
535	67+00.00	55.00' RT.	398348.80	696518.46
537	62+75.00	60.00' RT.	397922.86	696534.69
538	62+25.00	60.00' RT.	397872.87	696535.64
539	62+00.00	50.00' RT.	397847.68	696526.12

EASEMENT TABLE

OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
WISCONSIN TELEPHONE COMPANY	V.213, P.14, DOC. 272459	13	10' WIDE EASEMENT CENTERED ON FIRST LINE INSTALLED IN SE¼-NW¼, SEC. 31, SOUTH OF RAILROAD R/W
NORTHERN NATURAL GAS COMPANY	V.48, P.91, DOC. 274537	13	BLANKET EASEMENT OVER SE¼-NW¼, SEC. 31, EXCEPT LAND NORTH OF RAILROAD
NORTHERN NATURAL GAS COMPANY	V.48, P.93, DOC. 274538	5, 14, 15, & 16	BLANKET EASEMENT OVER SW¼-NE¼, SEC. 31
WISCONSIN TELEPHONE COMPANY	V.213, P.23, DOC. 272463	5 & 14	10' WIDE EASEMENT CENTERED ON FIRST LINE INSTALLED IN SW¼-NE¼, SEC. 31, SOUTH OF RAILROAD R/W
NORTHWEST TELEPHONE COMPANY	V.75, P.470, DOC. 330433	5 & 16	20' WIDE EASEMENT CENTERED ON FIRST LINE INSTALLED IN SW¼-NE¼ EXCEPT IN PARCELS 14 & 15

REVISION DATE 11-18-20
01-27-21 (N.C)

DATE: NOVEMBER 18, 2020
GRID FACTOR N/A
SCALE, FEET 0 50 100
HWY: CTH ET
COUNTY: MONROE
R/W PROJECT NUMBER: 7373-00-00
CONSTRUCTION PROJECT NUMBER: 7373-00-70
PLAT SHEET 4.07
PS&E SHEET 67
E

S:\Projects\W11616 CTH ET, Monroe Co (Tomah-STH 21)\RW\W11616 RW PLAT.DWG PLOT DATE : 8/16/2021 4:05 PM PLOT BY : Anliker, Noah PLOT NAME : PLOT SCALE : 1:1

WISDOT/CADDS SHEET 75

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED			TLE ACRES OR S.F. REQ.
			NEW	EXISTING	TOTAL	
17	THOMAS E. BAILEY AND JOAN A. BAILEY, HIS WIFE AS JOINT TENANTS	FEE, TLE	0.75	1.72	2.47	0.10
18	THOMAS J. BAILEY AND RENEE E. BAILEY, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	FEE, TLE	0.12	0.37	0.49	0.06
201	OAKDALE ELECTRIC COOPERATIVE	RELEASE OF RIGHTS, TEMP. CONST. EASE.				
202	CENTURYLINK	RELEASE OF RIGHTS				
205	ALLIANT ENERGY	RELEASE OF RIGHTS				

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM THE TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO MONROE COUNTY.

PI STA. = 72+87.62
Y = 398,933.26
X = 696,467.95
R = 1330.00
D = 4°18'29"
DELTA = 2°42'58"
L = 63.05
T = 31.53
C = 63.04
PC STA. = 72+56.09
Y = 398,901.73
X = 696,468.37
PT STA. = 73+19.14
Y = 398,964.73
X = 696,466.04

PI STA. = 76+25.22
Y = 399,270.26
X = 696,447.51
R = 643.00
D = 8°54'39"
DELTA = 17°46'12"
L = 199.42
T = 100.52
C = 198.62
PC STA. = 75+24.71
Y = 399,169.92
X = 696,453.60
PT STA. = 77+24.13
Y = 399,363.95
X = 696,411.09

PI STA. = 78+72.25
Y = 399,502.00
X = 696,357.43
R = 1330.00
D = 4°18'29"
DELTA = 4°29'11"
L = 104.14
T = 52.10
C = 104.12
PC STA. = 78+20.15
Y = 399,453.44
X = 696,376.30
PT STA. = 79+24.29
Y = 399,551.89
X = 696,342.41

PI STA. = 85+20.16
Y = 400,122.46
X = 696,170.63
R = 500.00
D = 11°27'33"
DELTA = 29°08'34"
L = 254.32
T = 129.97
C = 251.59
PC STA. = 83+90.18
Y = 399,998.00
X = 696,208.10
PT STA. = 86+44.50
Y = 400,212.91
X = 696,077.30

N

EASEMENT TABLE			
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
NORTHWEST TELEPHONE COMPANY	V.74, P.453, DOC. 329011	17 & 18	20' WIDE EASEMENT CENTERED ON FIRST LINE INSTALLED IN NW¼-NE¼ AND IN NE¼-NW¼, SEC. 31
NORTHWEST TELEPHONE COMPANY	V.176, P.560, DOC. 430842	17 & 18	14' WIDE EASEMENT ACROSS PART OF THE NE¼-NW¼, SEC. 31

ENCROACHMENT TABLE			
ENCROACHMENT	PROPERTY OWNER	LOCATION (STATION/OFFSET)	ENCROACHMENT TYPE
E-2	THOMAS E. BAILEY AND JOAN A. BAILEY	STA. 76+93 – STA. 76+96, 32.6' RT. – 33.00' RT.	FENCE
E-3	THOMAS J. BAILEY AND RENEE E. BAILEY	STA. 79+23 – STA. 79+46, 29.6' RT. – 33.00' RT.	FENCE

RIGHT OF WAY LINE TABLE		
POINT TO POINT	BEARING	DISTANCE
175 TO 190	N08°08'53"W	140.31'
190 TO 191	N02°17'06"W	293.19'
191 TO 192	N17°55'01"W	189.96'
192 TO 193	N10°52'28"W	103.67'
193 TO 194	N16°34'41"W	100.62'
194 TO 195	N23°07'17"W	150.93'
195 TO 196	N18°35'08"W	338.40'
196 TO 197	N51°29'01"W	86.57'
197 TO 198	N89°37'52"E	129.28'
198 TO 199	SEE ERWC2 CURVE DATA	
199 TO 200	S39°24'10"E	57.06'
200 TO 201	S16°49'32"E	85.98'
201 TO 202	N73°14'42"E	15.00'
202 TO 203	S16°45'18"E	45.00'
203 TO 204	S73°14'42"W	15.00'

RIGHT OF WAY LINE TABLE		
POINT TO POINT	BEARING	DISTANCE
204 TO 205	S16°45'18"E	70.00'
205 TO 206	S73°14'42"W	16.65'
206 TO 207	S16°34'41"E	299.41'
207 TO 208	S43°39'54"E	106.04'
208 TO 209	S12°37'26"E	103.41'
209 TO 210	S06°45'24"E	109.09'
210 TO 211	S79°49'09"W	11.91'
211 TO 212	SEE ERWC3 CURVE DATA	
212 TO 213	S04°01'35"E	77.49'
213 TO 214	N86°31'43"E	33.73'
214 TO 215	S03°28'17"E	45.00'
215 TO 216	S86°31'43"W	33.29'
216 TO 217	S04°01'35"E	136.76'
217 TO 176	S00°18'13"E	146.67'
176 TO 175	S89°48'22"W	73.74'

ERWC2 CURVE DATA PT. 198 TO PT. 199
DELTA = 06°44'41"
TANGENT = 35.39'
RADIUS = 600.64'
ARC LENGTH = 70.71'
CHORD LENGTH = 70.67'
CHORD BEARING = S28°12'01"E

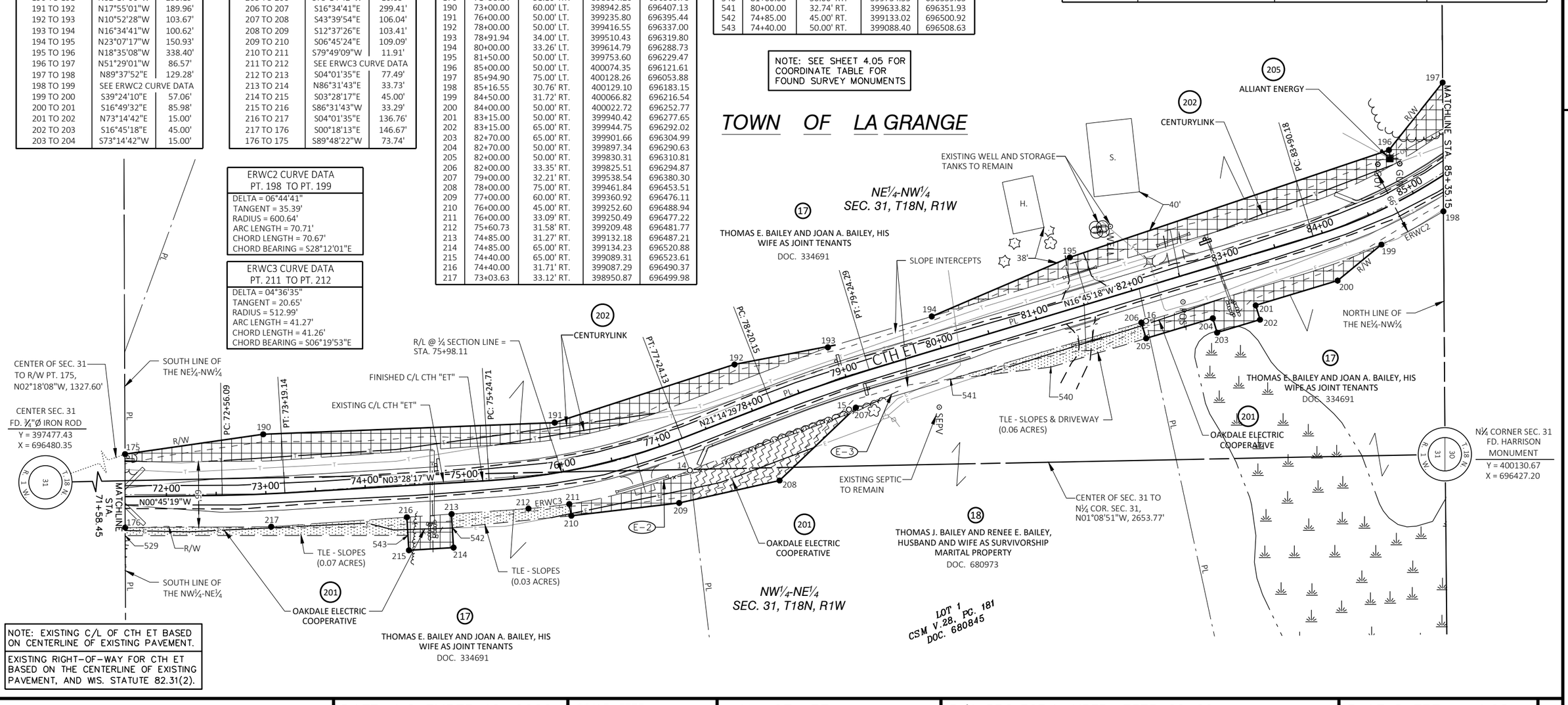
ERWC3 CURVE DATA PT. 211 TO PT. 212
DELTA = 04°36'35"
TANGENT = 20.65'
RADIUS = 512.99'
ARC LENGTH = 41.27'
CHORD LENGTH = 41.26'
CHORD BEARING = S06°19'53"E

COORDINATE TABLE – NEW R/W POINTS				
PT.#	STATION	OFFSET	Y	X
175	71+58.86	42.64' LT.	398803.95	696427.02
176	71+58.14	31.10' RT.	398804.20	696500.75
190	73+00.00	60.00' LT.	398942.85	696407.13
191	76+00.00	50.00' LT.	399235.80	696395.44
192	78+00.00	50.00' LT.	399416.55	696337.00
193	78+91.94	34.00' LT.	399510.43	696319.80
194	80+00.00	33.26' LT.	399614.79	696288.73
195	81+50.00	50.00' LT.	399753.60	696229.47
196	85+00.00	50.00' LT.	400074.35	696121.61
197	85+94.90	75.00' LT.	400128.26	696053.88
198	85+16.55	30.76' RT.	400129.10	696183.15
199	84+50.00	31.72' RT.	400066.82	696216.54
200	84+00.00	50.00' RT.	400022.72	696252.77
201	83+15.00	50.00' RT.	399940.42	696277.65
202	83+15.00	65.00' RT.	399944.75	696292.02
203	82+70.00	65.00' RT.	399901.66	696304.99
204	82+70.00	50.00' RT.	399897.34	696290.63
205	82+00.00	50.00' RT.	399830.31	696310.81
206	82+00.00	33.35' RT.	399825.51	696294.87
207	79+00.00	32.21' RT.	399538.54	696380.30
208	78+00.00	75.00' RT.	399461.84	696453.51
209	77+00.00	60.00' RT.	399360.92	696476.11
210	76+00.00	45.00' RT.	399252.60	696488.94
211	76+00.00	33.09' RT.	399250.49	696477.22
212	75+60.73	31.58' RT.	399209.48	696481.77
213	74+85.00	31.27' RT.	399132.18	696487.21
214	74+85.00	65.00' RT.	399134.23	696520.88
215	74+40.00	65.00' RT.	399089.31	696523.61
216	74+40.00	31.71' RT.	399087.29	696490.37
217	73+03.63	33.12' RT.	398950.87	696499.98

COORDINATE TABLE – TLE POINTS				
PT.#	STATION	OFFSET	Y	X
529	71+58.06	39.21' RT.	398804.23	696508.87
540	81+00.00	50.00' RT.	399734.55	696339.63
541	80+00.00	32.74' RT.	399633.82	696351.93
542	74+85.00	45.00' RT.	399133.02	696500.92
543	74+40.00	50.00' RT.	399088.40	696508.63

NOTE: SEE SHEET 4.05 FOR COORDINATE TABLE FOR FOUND SURVEY MONUMENTS

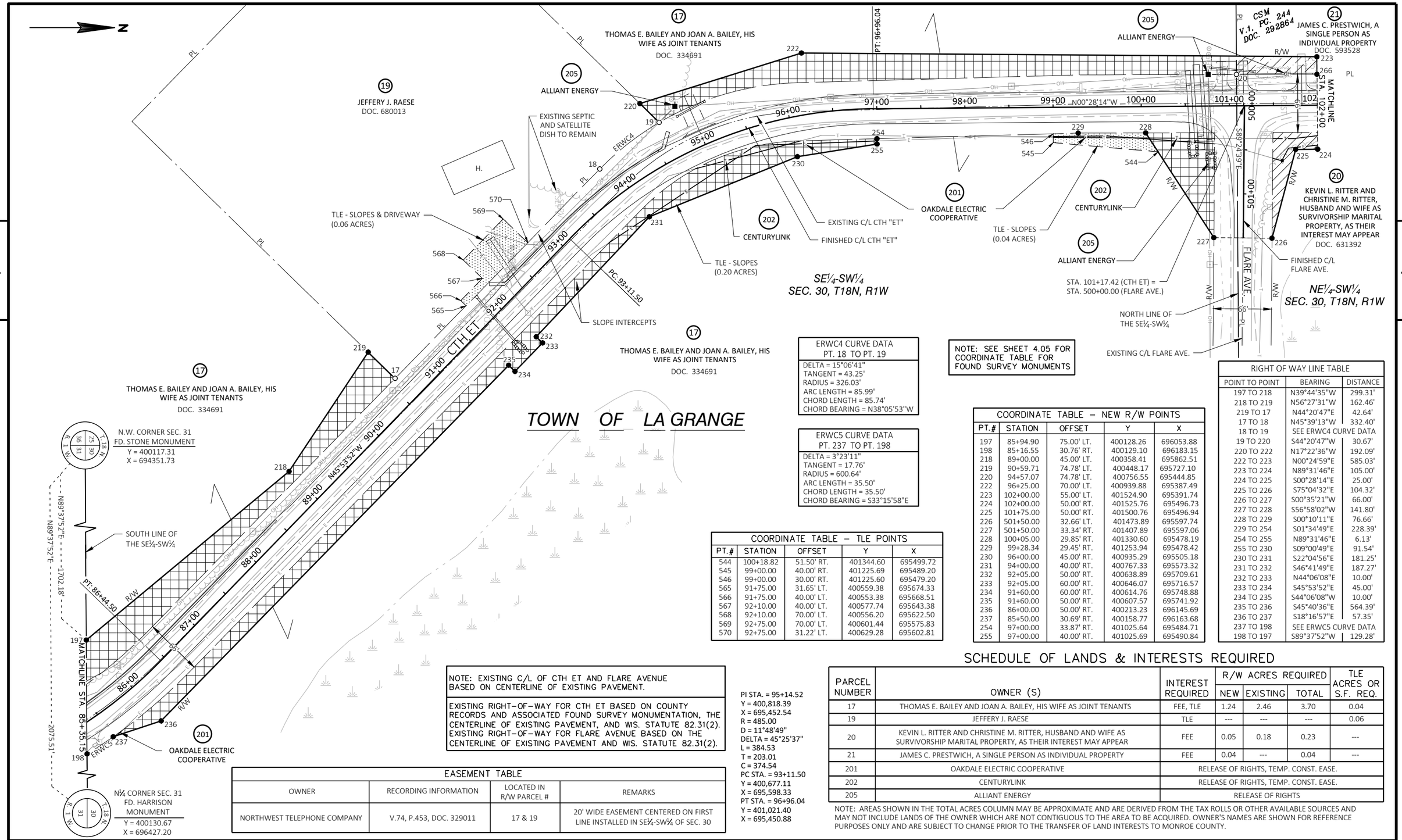
TOWN OF LA GRANGE



NOTE: EXISTING C/L OF CTH ET BASED ON CENTERLINE OF EXISTING PAVEMENT.

EXISTING RIGHT-OF-WAY FOR CTH ET BASED ON THE CENTERLINE OF EXISTING PAVEMENT, AND WIS. STATUTE 82.31(2).

REVISION DATE 11-18-20 01-27-21 (N.C)	DATE: NOVEMBER 18, 2020 GRID FACTOR N/A	SCALE, FEET 0 50 100	HWY: CTH ET COUNTY: MONROE	R/W PROJECT NUMBER: 7373-00-00 CONSTRUCTION PROJECT NUMBER: 7373-00-70	PLAT SHEET 4.08 PS&E SHEET 68 E



ERWC4 CURVE DATA PT. 18 TO PT. 19
DELTA = 15°06'41"
TANGENT = 43.25'
RADIUS = 326.03'
ARC LENGTH = 85.99'
CHORD LENGTH = 85.74'
CHORD BEARING = N38°05'53"W

ERWC5 CURVE DATA PT. 237 TO PT. 198
DELTA = 3°23'11"
TANGENT = 17.76'
RADIUS = 600.64'
ARC LENGTH = 35.50'
CHORD LENGTH = 35.50'
CHORD BEARING = S33°15'58"E

NOTE: SEE SHEET 4.05 FOR COORDINATE TABLE FOR FOUND SURVEY MONUMENTS

RIGHT OF WAY LINE TABLE		
POINT TO POINT	BEARING	DISTANCE
197 TO 218	N39°44'35"W	299.31'
218 TO 219	N56°27'31"W	162.46'
219 TO 17	N44°20'47"E	42.64'
17 TO 18	N45°39'13"W	332.40'
18 TO 19	SEE ERWC4 CURVE DATA	
19 TO 220	S44°20'47"W	30.67'
220 TO 222	N17°22'36"W	192.09'
222 TO 223	N00°24'59"E	585.03'
223 TO 224	N89°31'46"E	105.00'
224 TO 225	S00°28'14"E	25.00'
225 TO 226	S75°04'32"E	104.32'
226 TO 227	S00°35'21"W	66.00'
227 TO 228	S56°58'02"W	141.80'
228 TO 229	S00°10'11"W	76.66'
229 TO 254	S01°34'49"E	228.39'
254 TO 255	N89°31'46"E	6.13'
255 TO 230	S09°00'49"E	91.54'
230 TO 231	S22°04'56"E	181.25'
231 TO 232	S46°41'49"E	187.27'
232 TO 233	N44°06'08"E	10.00'
233 TO 234	S45°53'52"E	45.00'
234 TO 235	S44°06'08"W	10.00'
235 TO 236	S45°40'36"E	564.39'
236 TO 237	S18°16'57"E	57.35'
237 TO 198	SEE ERWC5 CURVE DATA	
198 TO 197	S89°37'52"W	129.28'

COORDINATE TABLE – NEW R/W POINTS				
PT.#	STATION	OFFSET	Y	X
197	85+94.90	75.00' LT.	400128.26	696053.88
198	85+16.55	30.76' RT.	400129.10	696183.15
218	89+00.00	45.00' LT.	400358.41	695862.51
219	90+59.71	74.78' LT.	400448.17	695727.10
220	94+57.07	74.78' LT.	400756.55	695444.85
222	96+25.00	70.00' LT.	400939.88	695387.49
223	102+00.00	55.00' LT.	401524.90	695391.74
224	102+00.00	50.00' RT.	401525.76	695496.73
225	101+75.00	50.00' RT.	401500.76	695496.94
226	501+50.00	32.66' LT.	401473.89	695597.74
227	501+50.00	33.34' RT.	401407.89	695597.06
228	100+05.00	29.85' RT.	401330.60	695478.19
229	99+28.34	29.45' RT.	401253.94	695478.42
230	96+00.00	45.00' RT.	400935.29	695505.18
231	94+00.00	40.00' RT.	400767.33	695573.32
232	92+05.00	50.00' RT.	400638.89	695709.61
233	92+05.00	60.00' RT.	400646.07	695716.57
234	91+60.00	60.00' RT.	400614.76	695748.88
235	91+60.00	50.00' RT.	400607.57	695741.92
236	86+00.00	50.00' RT.	400213.23	696145.69
237	85+50.00	30.69' RT.	400158.77	696163.68
254	97+00.00	33.87' RT.	401025.64	695484.71
255	97+00.00	40.00' RT.	401025.69	695490.84

COORDINATE TABLE – TLE POINTS				
PT.#	STATION	OFFSET	Y	X
544	100+18.82	51.50' RT.	401344.60	695499.72
545	99+00.00	40.00' RT.	401225.69	695489.20
546	99+00.00	30.00' RT.	401225.60	695479.20
565	91+75.00	31.65' LT.	400559.38	695674.33
566	91+75.00	40.00' LT.	400553.38	695668.51
567	92+10.00	40.00' LT.	400577.74	695643.38
568	92+10.00	70.00' LT.	400556.20	695622.50
569	92+75.00	70.00' LT.	400601.44	695575.83
570	92+75.00	31.22' LT.	400629.28	695602.81

NOTE: EXISTING C/L OF CTH ET AND FLARE AVENUE BASED ON CENTERLINE OF EXISTING PAVEMENT.

EXISTING RIGHT-OF-WAY FOR CTH ET BASED ON COUNTY RECORDS AND ASSOCIATED FOUND SURVEY MONUMENTATION, THE CENTERLINE OF EXISTING PAVEMENT, AND WIS. STATUTE 82.31(2). EXISTING RIGHT-OF-WAY FOR FLARE AVENUE BASED ON THE CENTERLINE OF EXISTING PAVEMENT AND WIS. STATUTE 82.31(2).

PI STA. = 95+14.52
Y = 400,818.39
X = 695,452.54
R = 485.00
D = 11°48'49"
DELTA = 45°25'37"
L = 384.53
T = 203.01
C = 374.54
PC STA. = 93+11.50
Y = 400,677.11
X = 695,598.33
PT STA. = 96+96.04
Y = 401,021.40
X = 695,450.88

EASEMENT TABLE			
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
NORTHWEST TELEPHONE COMPANY	V.74, P.453, DOC. 329011	17 & 19	20' WIDE EASEMENT CENTERED ON FIRST LINE INSTALLED IN SE¼-SW¼ OF SEC. 30

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES OR S.F. REQ.
17	THOMAS E. BAILEY AND JOAN A. BAILEY, HIS WIFE AS JOINT TENANTS	FEE, TLE	1.24	2.46	3.70	0.04
19	JEFFERY J. RAESE	TLE	---	---	---	0.06
20	KEVIN L. RITTER AND CHRISTINE M. RITTER, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY, AS THEIR INTEREST MAY APPEAR	FEE	0.05	0.18	0.23	---
21	JAMES C. PRESTWICH, A SINGLE PERSON AS INDIVIDUAL PROPERTY	FEE	0.04	---	0.04	---
201	OAKDALE ELECTRIC COOPERATIVE	RELEASE OF RIGHTS, TEMP. CONST. EASE.				
202	CENTURYLINK	RELEASE OF RIGHTS, TEMP. CONST. EASE.				
205	ALLIANT ENERGY	RELEASE OF RIGHTS				

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM THE TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO MONROE COUNTY.

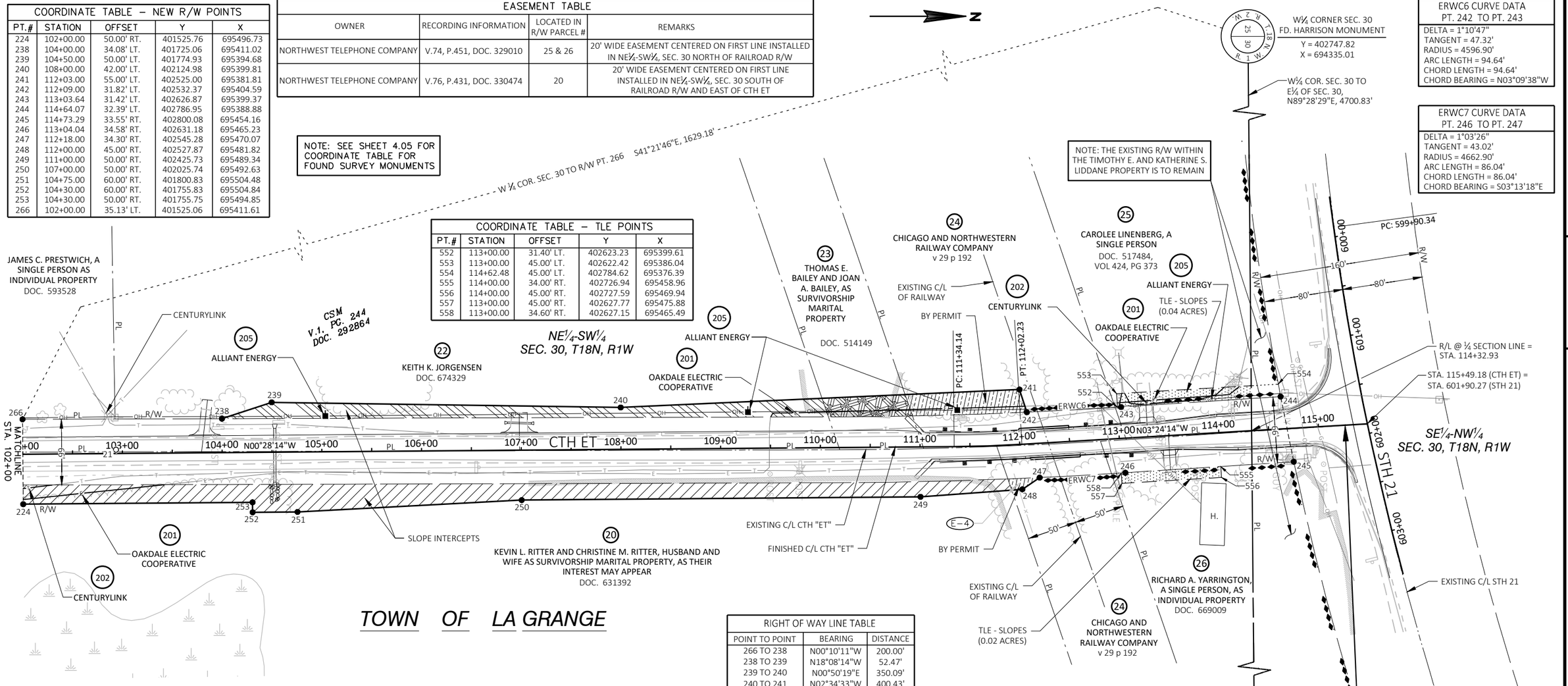
REVISION DATE	DATE: NOVEMBER 18, 2020	SCALE, FEET 0 50 100	HWY: CTH ET	R/W PROJECT NUMBER: 7373-00-00	PLAT SHEET 4.09	
11-18-20 01-27-21	GRID FACTOR N/A		COUNTY: MONROE	CONSTRUCTION PROJECT NUMBER: 7373-00-70	PS&E SHEET 69	E

COORDINATE TABLE – NEW R/W POINTS				
PT.#	STATION	OFFSET	Y	X
224	102+00.00	50.00' RT.	401525.76	695496.73
238	104+00.00	34.08' LT.	401725.06	695411.02
239	104+50.00	50.00' LT.	401774.93	695394.68
240	108+00.00	42.00' LT.	402124.98	695399.81
241	112+03.00	55.00' LT.	402525.00	695381.81
242	112+09.00	31.82' LT.	402532.37	695404.59
243	113+03.64	31.42' LT.	402626.87	695399.37
244	114+64.07	32.39' LT.	402786.95	695388.88
245	114+73.29	33.55' RT.	402800.08	695454.16
246	113+04.04	34.58' RT.	402631.18	695465.23
247	112+18.00	34.30' RT.	402545.28	695470.07
248	112+00.00	45.00' RT.	402527.87	695481.82
249	111+00.00	50.00' RT.	402425.73	695489.34
250	107+00.00	50.00' RT.	402025.74	695492.63
251	104+75.00	60.00' RT.	401800.83	695504.48
252	104+30.00	60.00' RT.	401755.83	695504.84
253	104+30.00	50.00' RT.	401755.75	695494.85
266	102+00.00	35.13' LT.	401525.06	695411.61

EASEMENT TABLE			
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
NORTHWEST TELEPHONE COMPANY	V.74, P.451, DOC. 329010	25 & 26	20' WIDE EASEMENT CENTERED ON FIRST LINE INSTALLED IN NE¼-SW¼, SEC. 30 NORTH OF RAILROAD R/W
NORTHWEST TELEPHONE COMPANY	V.76, P.431, DOC. 330474	20	20' WIDE EASEMENT CENTERED ON FIRST LINE INSTALLED IN NE¼-SW¼, SEC. 30 SOUTH OF RAILROAD R/W AND EAST OF CTH ET

NOTE: SEE SHEET 4.05 FOR COORDINATE TABLE FOR FOUND SURVEY MONUMENTS

COORDINATE TABLE – TLE POINTS				
PT.#	STATION	OFFSET	Y	X
552	113+00.00	31.40' LT.	402623.23	695399.61
553	113+00.00	45.00' LT.	402622.42	695386.04
554	114+62.48	45.00' LT.	402784.62	695376.39
555	114+00.00	34.00' RT.	402726.94	695458.96
556	114+00.00	45.00' RT.	402727.59	695469.94
557	113+00.00	45.00' RT.	402627.77	695475.88
558	113+00.00	34.60' RT.	402627.15	695465.49



TOWN OF LA GRANGE

RIGHT OF WAY LINE TABLE		
POINT TO POINT	BEARING	DISTANCE
266 TO 238	N00°10'11"W	200.00'
238 TO 239	N18°08'14"W	52.47'
239 TO 240	N00°50'19"E	350.09'
240 TO 241	N02°34'33"W	400.43'
241 TO 242	N72°04'55"E	23.94'
242 TO 243	SEE ERWC6 CURVE DATA	
243 TO 244	N03°45'02"W	160.43'
244 TO 245	N78°38'03"E	66.59'
245 TO 246	S03°45'02"E	169.26'
246 TO 247	SEE ERWC7 CURVE DATA	
247 TO 248	S34°00'52"E	21.00'
248 TO 249	S04°12'48"E	102.42'
249 TO 250	S00°28'14"E	400.00'
250 TO 251	S03°00'56"E	225.22'
251 TO 252	S00°28'14"E	45.00'
252 TO 253	S89°31'46"W	10.00'
253 TO 224	S00°28'14"E	230.00'
224 TO 266	S89°31'46"W	85.13'

PI STA. = 111+68.19
Y = 402,493.51
X = 695,438.78
R = 1330.00
D = 4°18'29"
DELTA = 2°55'59"
L = 68.09
T = 34.05
C = 68.08
PC STA. = 111+34.14
Y = 402,459.46
X = 695,439.06
PT STA. = 112+02.23
Y = 402,527.50
X = 695,436.76

PI STA. = 601+73.34
Y = 402,864.41
X = 695,400.53
R = 2750.00
D = 2°05'01"
DELTA = 7°36'51"
L = 365.45
T = 183.00
C = 365.18
PC STA. = 599+90.34
Y = 402,840.04
X = 695,219.16
PT STA. = 603+55.79
Y = 402,912.60
X = 695,577.06

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED			TLE ACRES OR S.F. REQ.	PERMIT
			NEW	EXISTING	TOTAL		
20	KEVIN L. RITTER AND CHRISTINE M. RITTER, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY, AS THEIR INTEREST MAY APPEAR	FEE	0.41	0.74	1.15	---	
22	KEITH K. JORGENSEN	FEE	0.18	---	0.18	---	
23	THOMAS E. BAILEY AND JOAN A. BAILEY, AS SURVIVORSHIP MARITAL PROPERTY	FEE	0.04	0.06	0.10	---	
24	CHICAGO AND NORTHWESTERN RAILWAY COMPANY	PERMIT	---	---	---	---	0.06
25	CAROLEE LINENBERG, A SINGLE PERSON	FEE, TLE	---	0.10	0.10	0.04	
26	RICHARD A. YARRINGTON, A SINGLE PERSON, AS INDIVIDUAL PROPERTY	FEE, TLE	---	0.11	0.11	0.02	
201	OAKDALE ELECTRIC COOPERATIVE	RELEASE OF RIGHTS, TEMP. CONST. EASE.					
202	CENTURYLINK	RELEASE OF RIGHTS, TEMP. CONST. EASE.					
205	ALLIANT ENERGY	RELEASE OF RIGHTS, TEMP. CONST. EASE.					

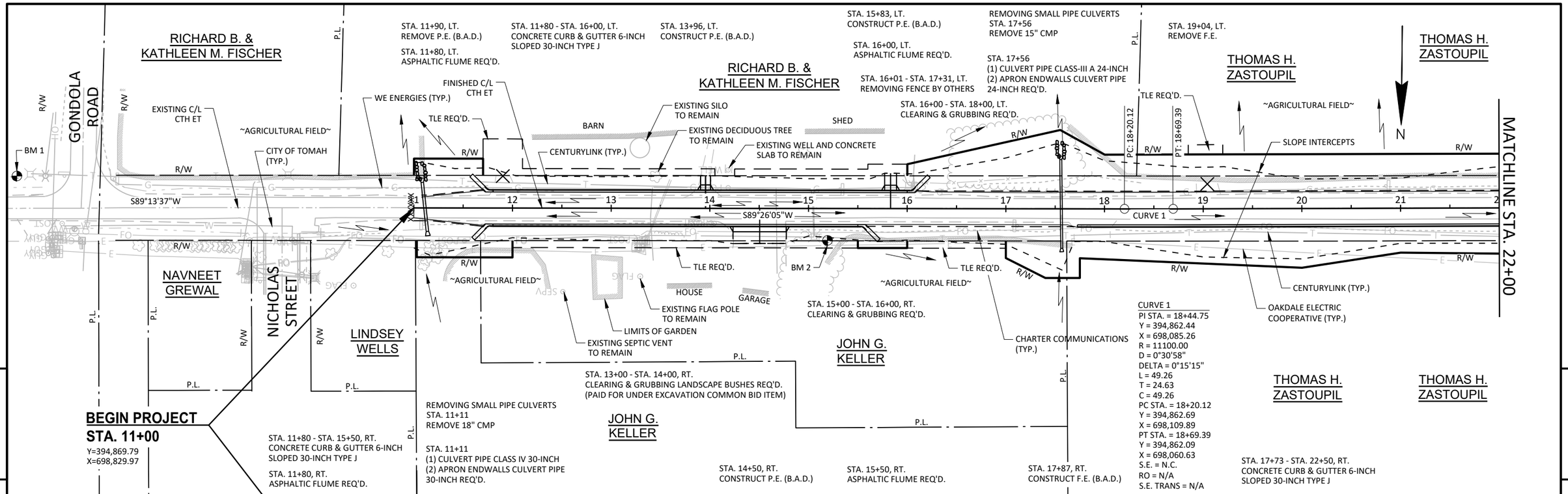
NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM THE TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO MONROE COUNTY.

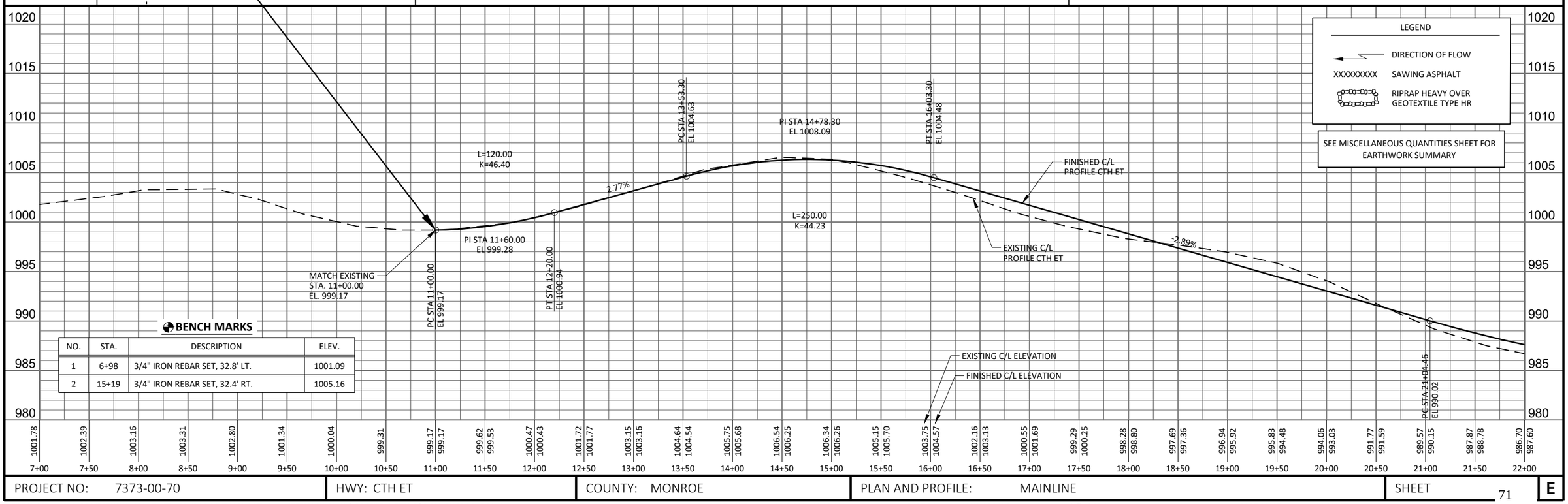
ENCROACHMENT TABLE			
ENCROACHMENT	PROPERTY OWNER	LOCATION (STATION/OFFSET)	ENCROACHMENT TYPE
E-4	KEVIN L. RITTER AND CHRISTINE M. RITTER	STA. 111+92 – STA. 111+94, 29.1' RT. – 33.00' RT.	FENCE

NOTE: EXISTING C/L OF CTH ET AND STH 21 BASED ON CENTERLINE OF EXISTING PAVEMENT.

EXISTING RIGHT-OF-WAY FOR CTH ET BASED ON COUNTY RECORDS AND ASSOCIATED FOUND SURVEY MONUMENTATION, THE CENTERLINE OF EXISTING PAVEMENT, AND WIS. STATUTE 82.31(2). EXISTING RIGHT-OF-WAY FOR STH 21 BASED ON R/W PLAT DIVISION JOB 5755.

REVISION DATE 11-18-20, 01-27-21	DATE: NOVEMBER 18, 2020	SCALE, FEET 0 50 100	HWY: CTH ET	R/W PROJECT NUMBER: 7373-00-00	PLAT SHEET 4.10
	GRID FACTOR N/A		COUNTY: MONROE	CONSTRUCTION PROJECT NUMBER: 7373-00-70	PS&E SHEET 70 E





BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
1	6+98	3/4" IRON REBAR SET, 32.8' LT.	1001.09
2	15+19	3/4" IRON REBAR SET, 32.4' RT.	1005.16

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: MAINLINE	SHEET 71	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P 60MPH PROFILE.DWG
LAYOUT NAME - P&P 1
PLOT DATE : 11/1/2021 11:20 AM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:100 FT

STA. 23+00, LT.
CONSTRUCT F.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

STA. 25+00 - STA. 26+00, LT.
CLEARING & GRUBBING REQ'D.

THOMAS H. ZASTOUPIL

~AGRICULTURAL FIELD~

TODD L. GAVINSKI

TODD L. GAVINSKI

JOHN J. DA SILVA

LARRY A. PITEL

THOMAS H. ZASTOUPIL

THOMAS H. ZASTOUPIL

GOLIATH ROAD

FLAT IRON AVE.

P.L.

R/W

800'H

801'H

200'A

201'A

N02°41'33"W

PC: 29+16.12

TLE REQ'D.

BM 3

BM 4

FINISHED C/L 'A'-LINE (GOLIATH RD.)

FINISHED C/L 'B'-LINE (FLAT IRON AVE)

FINISHED C/L 'F'-LINE (P.E.)

FINISHED C/L DRAINAGE DITCH

FINISHED C/L CTH ET

EXISTING C/L CTH ET

SLOPE INTERCEPTS

HOUSE

EXISTING LIGHT POLE TO REMAIN

CURVE 2

88°07'38"

90°00'00"

S89°10'49"W

WE ENERGIES (TYP.)

CENTURYLINK (TYP.)

CHARTER COMMUNICATIONS (TYP.)

OAKDALE ELECTRIC COOPERATIVE (TYP.)

STA. 17+73 - STA. 22+50, RT.
CONCRETE CURB & GUTTER 6-INCH
SLOPED 30-INCH TYPE J

STA. 22+50, RT.
ASPHALTIC FLUME REQ'D.

REMOVING OLD STRUCTURE
STA. 25+89
REMOVE 4.2' X 3.2' REINFORCED CONCRETE BOX CULVERT

STA. 25+81
(1) PIPE ARCH CORRUGATED STEEL 57X38-INCH
(2) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 57X38-INCH 6 TO 1 REQ'D.

STA. 25+89
(1) PIPE ARCH CORRUGATED STEEL 57X38-INCH
(2) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 57X38-INCH 6 TO 1 REQ'D.

STA. 25+97
(1) PIPE ARCH CORRUGATED STEEL 57X38-INCH
(2) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 57X38-INCH 6 TO 1 REQ'D.

STA. 28+55.22 (CTH ET) =
STA. 201'A'+36.35 ('A'-LINE (GOLIATH RD.))
TYPE C INTERSECTION REQ'D.

STA. 29+00 - STA.32+00
CLEARING & GRUBBING REQ'D.

STA. 32+98.00 (CTH ET) =
STA. 305'B'+13.32 ('B'-LINE (FLAT IRON AVE.))
TYPE C INTERSECTION REQ'D.

CURVE 2
PI STA. = 33+97.46
Y = 394,840.23
X = 696,532.71
R = 485.00
D = 11°48'49"
DELTA = 89°33'58"
L = 758.16
T = 481.34
C = 683.29
PC STA. = 29+16.12
Y = 394,847.12
X = 697,014.00
PT STA. = 36+74.28
Y = 395,321.46
X = 696,522.18
S.E. = 6.0%
RO = 124'
S.E. TRANS = 165'

REMOVING SMALL PIPE CULVERTS
STA. 33+65
REMOVE 15" CMP

REMOVING SMALL PIPE CULVERTS
STA. 34+68
REMOVE 24" CMP

EXISTING TRANSFORMERS & CONCRETE BASE TO REMAIN

STA. 34+50
(1) CULVERT PIPE CLASS CORRUGATED STEEL 48-INCH
(1) APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 4 TO 1 REQ'D.
(1) APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 6 TO 1 REQ'D.

MATCHLINE STA. 22+00

MATCHLINE STA. 36+00

LEGEND

DIRECTION OF FLOW

XXXXXXXXX SAWING ASPHALT

RIPRAP HEAVY OVER GEOTEXTILE TYPE HR

SEE MISCELLANEOUS QUANTITIES SHEET FOR EARTHWORK SUMMARY

L=380.00
K=136.63

L=360.00
K=137.17

L=400.00
K=175.86

L=540.00
K=136.45

0.10%

0.25%

PI STA 22+94.46
EL 984.54

PI STA 27+20.00
EL 984.09

PI STA 31+00.00
EL 993.67

PI STA 36+62.02
EL 995.05

PT STA 24+84.46
EL 984.34

PC STA 25+40.00
EL 984.28

PC STA 29+00.00
EL 988.63

PT STA 29+00.00
EL 988.63

PT STA 33+00.00
EL 994.16

PC STA 33+92.02
EL 994.38

FINISHED C/L PROFILE CTH ET

EXISTING C/L PROFILE CTH ET

EXISTING C/L ELEVATION

FINISHED C/L ELEVATION

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
3	29+04	3/4" IRON REBAR SET, 37.0' LT.	984.84
4	34+68	3/4" IRON REBAR SET, 79.6' LT.	991.46

22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00	27+50	28+00	28+50	29+00	29+50	30+00	30+50	31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00	35+50	36+00	36+50	37+00
986.70	987.60	985.86	986.59	985.22	985.78	984.74	985.14	984.42	984.69	984.22	984.42	984.20	984.32	984.37	984.27	984.41	984.35	984.17	984.61	983.93	985.05	984.19	985.67	984.77	986.47	985.35	987.46	986.12	INFINITY	987.11	989.82	988.19	990.86	988.96	991.77	989.44	992.53	990.44	993.15	990.54	993.63	989.88	993.96	990.04	994.16	989.89	994.28	989.07	994.41	988.93	994.65	990.22	995.08	992.54	995.69	994.42	996.48	995.34	997.46	996.18	998.62

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: MAINLINE	SHEET 72 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P 60MPH PROFILE.DWG
LAYOUT NAME - P&P 2

PLOT DATE : 2/10/2022 3:46 PM PLOT BY : KARTER ZAJICEK PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

REMOVING SMALL PIPE CULVERTS
STA. 41+83, LT.
REMOVE 15" CMP

STA. 42+19, LT.
REMOVING SIGNS BY OTHERS

STA. 41+83, LT.
CONSTRUCT P.E. (ASPHALT)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

REMOVING SMALL PIPE CULVERTS
STA. 42+50, LT.
REMOVE 15" CMP

STA. 42+49, LT.
CONSTRUCT P.E. (ASPHALT)
(1) CULVERT PIPE CLASS IV 18-INCH
(2) APRON ENDWALLS REQ'D.

STA. 44+50 - STA. 47+50, LT.
CONCRETE CURB & GUTTER 6-INCH
SLOPED 30-INCH TYPE J

STA. 44+50, LT.
ASPHALTIC FLUME REQ'D.

STA. 44+00 - STA. 48+00
CLEARING & GRUBBING REQ'D.

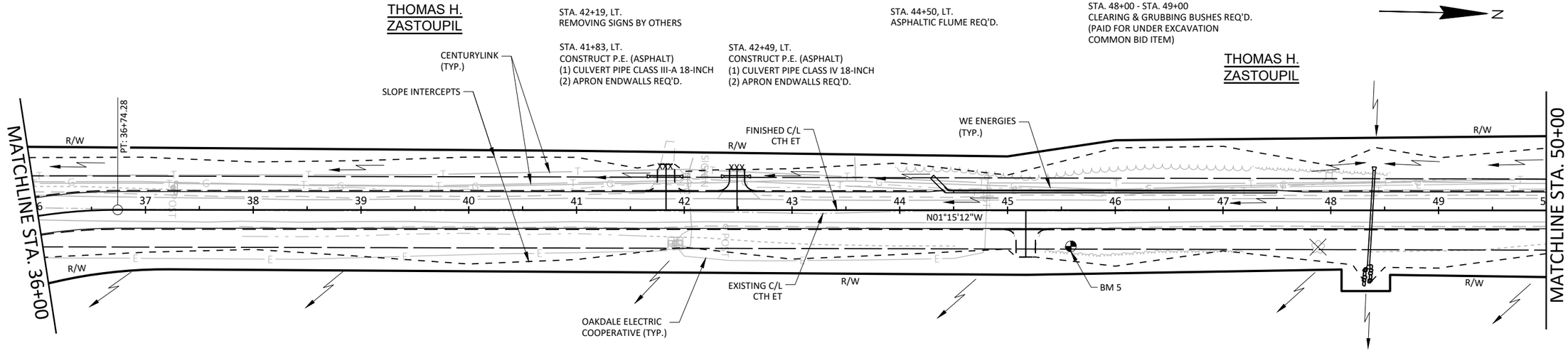
STA. 48+00 - STA. 49+00
CLEARING & GRUBBING BUSHES REQ'D.
(PAID FOR UNDER EXCAVATION
COMMON BID ITEM)

THOMAS H.
ZASTOUPIL

THOMAS H.
ZASTOUPIL

THOMAS H.
ZASTOUPIL

THOMAS H.
ZASTOUPIL



STA. 48+38
(1) CULVERT PIPE CLASS-III A 24-INCH
(2) APRON ENDWALLS CULVERT PIPE
24-INCH REQ'D.

REMOVING SMALL PIPE CULVERTS
STA. 48+38
REMOVE 18" CMP

STA. 45+17, RT.
CONSTRUCT F.E. (B.A.D.)

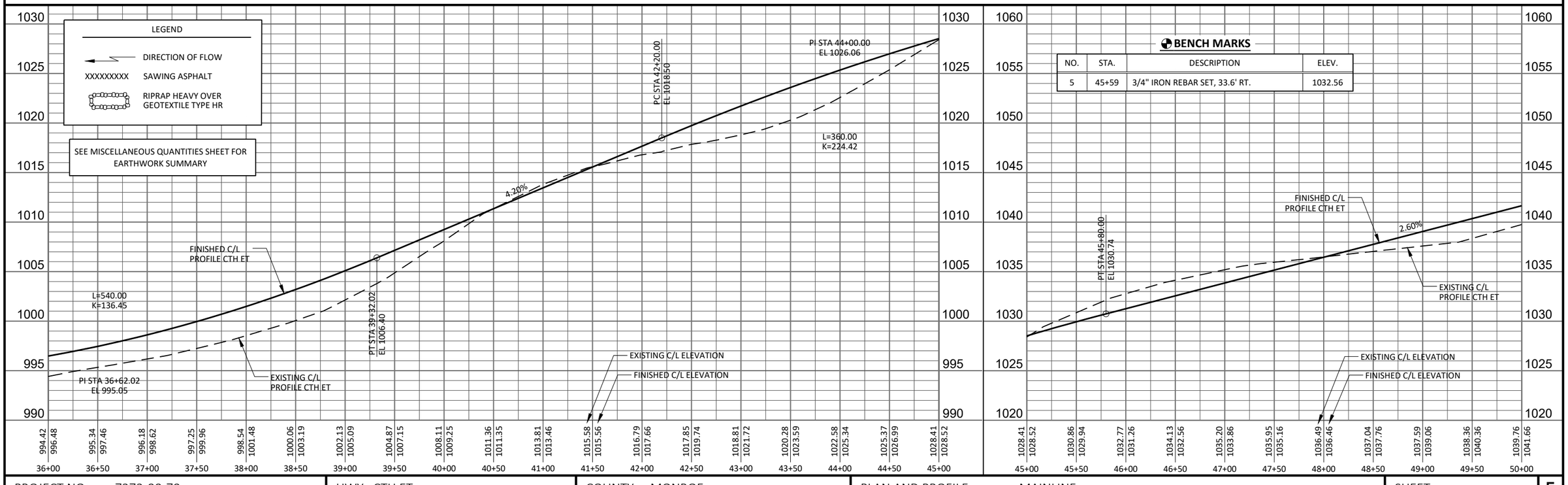
LEGEND

DIRECTION OF FLOW

XXXXXXXXX SAWING ASPHALT

RIPRAP HEAVY OVER GEOTEXTILE TYPE HR

SEE MISCELLANEOUS QUANTITIES SHEET FOR EARTHWORK SUMMARY



BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
5	45+59	3/4" IRON REBAR SET, 33.6' RT.	1032.56

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: MAINLINE	SHEET 73 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P 60MPH PROFILE.DWG
LAYOUT NAME - P&P 3
PLOT DATE : 10/29/2021 2:12 PM
PLOT BY : JONAH DRAKE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

STA. 54+11, LT.
CONSTRUCT F.E. (B.A.D.)

STA. 57+50, LT.
RELOCATE F.E. (B.A.D.)

STA. 59+00, LT.
CONSTRUCT F.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

THOMAS H. ZASTOUPIL

THOMAS E. CLAY FAMILY IRREVOCABLE TRUST

N

CENTURYLINK (TYP.)

WE ENERGIES (TYP.)

R/W

PC: 51+41.79

PT: 52+55.24

BM 6

TLE REQ'D.

SLOPE INTERCEPTS

FINISHED C/L CTH ET

71°57'54"

PC: 60+17.83

PT: 60+99.36

NORTHERN NATURAL GAS COMPANY

MATCHLINE STA. 50+00

MATCHLINE STA. 64+00

CURVE 3

N00°40'04"W

CURVE 4

N01°05'19"W

EXISTING C/L CTH ET

OAKDALE ELECTRIC COOPERATIVE (TYP.)

TRAILER

GARAGE

P.L.

CURVE 3
PI STA. = 51+98.52
Y = 396,845.33
X = 696,488.84
R = 11100.00
D = 0°30'58"
DELTA = 0°35'08"
L = 113.45
T = 56.72
C = 113.45
PC STA. = 51+41.79
Y = 396,788.62
X = 696,490.08
PT STA. = 52+55.24
Y = 396,902.05
X = 696,488.18
S.E. = N.C.
RO = N/A
S.E. TRANS = N/A

STA. 53+97, RT.
REMOVING SIGN BY OTHERS

THOMAS H. ZASTOUPIL

STA. 53+25, RT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

STA. 55+00 - STA. 59+00, RT.
CLEARING & GRUBBING REQ'D.

STA. 54+99, RT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

STA. 56+59, RT.
CONSTRUCT P.E. (B.A.D.)

STA. 56+40 - STA. 59+50, RT.
CONCRETE CURB & GUTTER 6-INCH
SLOPED 30-INCH TYPE J

STA. 59+50, RT.
ASPHALTIC FLUME REQ'D.

THOMAS H. ZASTOUPIL

CURVE 4
PI STA. = 60+58.59
Y = 397,705.35
X = 696,478.81
R = 11100.00
D = 0°30'58"
DELTA = 0°25'15"
L = 81.53
T = 40.77
C = 81.53
PC STA. = 60+17.83
Y = 397,664.58
X = 696,479.29
PT STA. = 60+99.36
Y = 397,746.11
X = 696,478.04
S.E. = N.C.
RO = N/A
S.E. TRANS = N/A

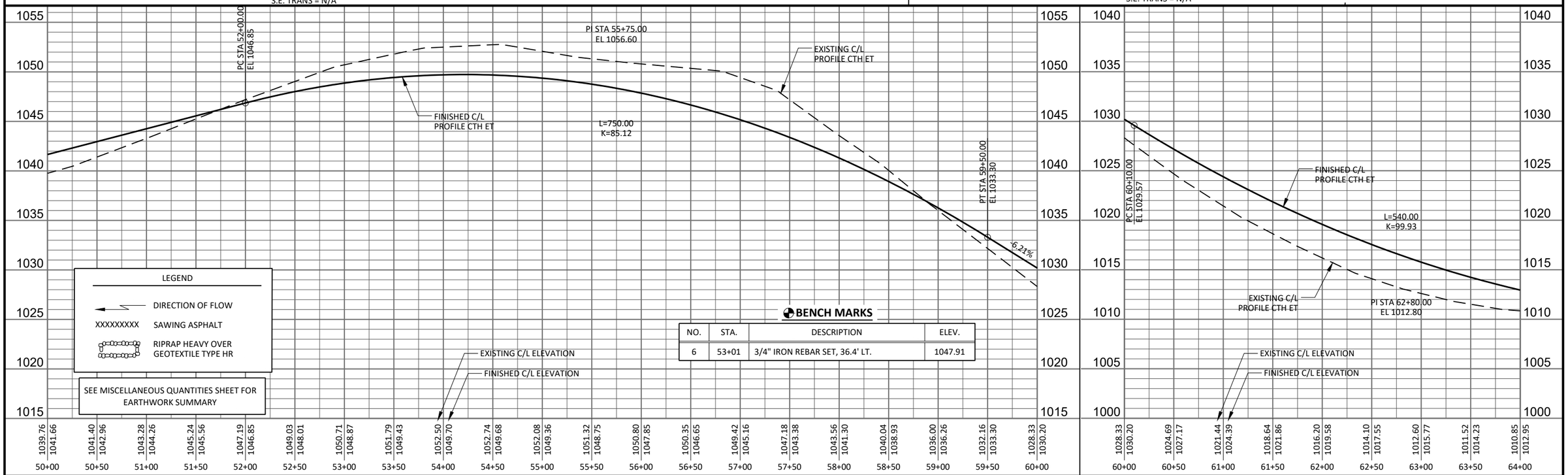
TLE REQ'D.

ARTHUR G. TRALMER

STA. 62+50, RT.
CONSTRUCT F.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

5

5



LEGEND

DIRECTION OF FLOW

XXXXXXXXX SAWING ASPHALT

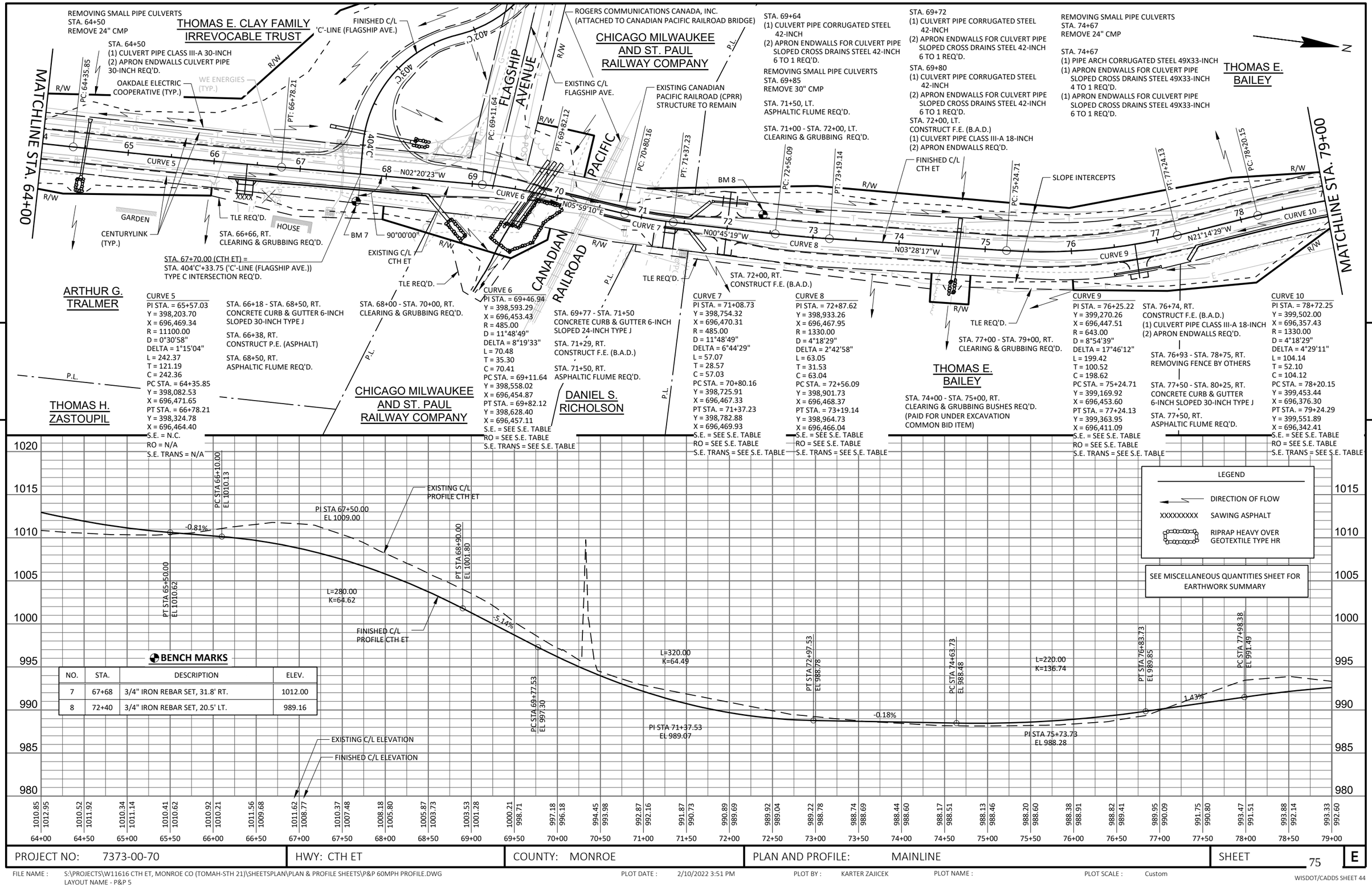
RIPRAP HEAVY OVER GEOTEXTILE TYPE HR

SEE MISCELLANEOUS QUANTITIES SHEET FOR EARTHWORK SUMMARY

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
6	53+01	3/4" IRON REBAR SET, 36.4' LT.	1047.91

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: MAINLINE	SHEET 74	E



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: MAINLINE	SHEET 75 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P 60MPH PROFILE.DWG
LAYOUT NAME - P&P 5
PLOT DATE : 2/10/2022 3:51 PM PLOT BY : KARTER ZAJICEK PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 44

STA. 80+70, LT.
CONSTRUCT F.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

STA. 81+54, LT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

STA. 82+50, LT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

CURVE 11
PI STA. = 85+20.16
Y = 400,122.46
X = 696,170.63
R = 500.00
D = 11°27'33"
DELTA = 29°08'34"
L = 254.32
T = 129.97
C = 251.59
PC STA. = 83+90.18
Y = 399,998.00
X = 696,208.10
PT STA. = 86+44.50
Y = 400,212.91
X = 696,077.30
S.E. = 6.0%
RO = 124'
S.E. TRANS = 165'

STA. 92+30, LT
ASPHALTIC FLUME REQ'D

STA. 92+34, LT.
CONSTRUCT P.E. (CONCRETE)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

STA. 92+30 - STA. 95+20, LT
CONCRETE CURB & GUTTER
6-INCH SLOPED 30-INCH TYPE J

THOMAS E. BAILEY

JEFFERY J. RAESE

THOMAS J. BAILEY

MATCHLINE STA. 79+00

MATCHLINE STA. 94+00

EXISTING ABOVE GROUND STORAGE TANKS TO REMAIN

EXISTING WELL TO REMAIN

HOUSE

SHED

STA. 84+50 - STA. 88+50, LT.
CONCRETE CURB & GUTTER 6-INCH
SLOPED 30-INCH TYPE J

STA. 84+50, LT.
ASPHALTIC FLUME REQ'D.

STA. 85+00 - STA. 90+50, LT.
CLEARING & GRUBBING REQ'D.

EXISTING SATELLITE DISH TO BE REMOVED BY OTHERS

TLE REQ'D.

EXISTING SEPTIC FIELD TO REMAIN

BM 10

PT: 79+24.29

PC: 93+11.50

95°29'08"

N16°45'18"W

N45°53'52"W

104°20'57"

102°34'03"

PC: 83+90.18

PT: 86+44.50

CENTURYLINK (TYP.)

ALLIANT ENERGY (TYP.)

EXISTING C/L CTH ET

EXISTING SEPTIC TO REMAIN

TLE REQ'D.

CURVE 11

BM 9

SLOPE INTERCEPTS

FINISHED C/L CTH ET

OAKDALE ELECTRIC COOPERATIVE (TYP.)

WETLAND DETERMINATION (TYP.)

STA. 79+25 - STA. 79+46, RT.
REMOVING FENCE BY OTHERS

STA. 77+50 - STA. 80+25, RT.
CONCRETE CURB & GUTTER 6-INCH
SLOPED 30-INCH TYPE J

STA. 81+50, RT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

REMOVING SMALL PIPE CULVERTS
STA. 81+50, RT.
REMOVE 15" CMP

STA. 82+50, RT.
CONSTRUCT F.E. (B.A.D.)

STA. 82+89
(1) CULVERT PIPE CLASS-III A 24-INCH
(2) APRON ENDWALLS CULVERT PIPE
24-INCH REQ'D.

REMOVING SMALL PIPE CULVERTS
STA. 82+89
REMOVE 15" CMP

STA. 91+88
(1) CULVERT PIPE CLASS-III A 24-INCH
(2) APRON ENDWALLS CULVERT PIPE
24-INCH REQ'D.

REMOVING SMALL PIPE CULVERTS
STA. 91+88
REMOVE 12" CMP

LEGEND

DIRECTION OF FLOW

XXXXXXXXX SAWING ASPHALT

RIPRAP HEAVY OVER GEOTEXTILE TYPE HR

WETLANDS

SEE MISCELLANEOUS QUANTITIES SHEET FOR EARTHWORK SUMMARY

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
9	85+56	3/4" IRON REBAR SET, 36.8' RT.	994.79
10	93+43	3/4" IRON REBAR SET, 25.1' LT.	1002.33

PI STA 79+15.88
EL 993.17

PT STA 80+33.38
EL 993.04

L=235.00
K=152.53

-0.11%

PC STA 82+35.99
EL 992.81

PI STA 83+58.49
EL 992.67

L=245.00
K=171.73

PT STA 84+80.99
EL 994.28

1.31%

PC STA 86+00.00
EL 995.85

PI STA 87+50.00
EL 997.82

L=300.00
K=279.19

EXISTING C/L PROFILE CTH ET

PT STA 89+00.00
EL 998.18

FINISHED C/L PROFILE CTH ET

0.24%

PC STA 93+00.00
EL 999.14

EXISTING C/L ELEVATION

FINISHED C/L ELEVATION

79+00	79+50	80+00	80+50	81+00	81+50	82+00	82+50	83+00	83+50	84+00	84+50	85+00	85+50	86+00	86+50	87+00	87+50	88+00	88+50	89+00	89+50	90+00	90+50	91+00	91+50	92+00	92+50	93+00	93+50	94+00
993.33	992.86	992.56	992.46	992.33	991.40	990.47	990.10	990.11	990.74	991.94	993.90	996.44	998.94	1000.49	1000.45	998.61	996.87	995.92	995.64	995.63	995.60	995.43	995.28	995.18	995.42	995.78	996.42	998.06	999.74	999.57
992.60	992.90	993.04	993.02	992.96	992.91	992.85	992.80	992.86	993.06	993.41	993.90	994.53	995.19	995.85	996.46	996.98	997.42	997.76	998.02	998.18	998.30	998.42	998.54	998.66	998.78	998.90	999.02	999.14	999.21	999.17

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: MAINLINE	SHEET 76	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P 60MPH PROFILE.DWG
LAYOUT NAME - P&P 6

PLOT DATE : 11/1/2021 8:43 AM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA. 95+20, LT
ASPHALTIC FLUME REQ'D.

STA. 92+30 - STA. 95+20, LT
CONCRETE CURB & GUTTER
6-INCH SLOPED 30-INCH TYPE J

STA. 95+00, LT.
CONSTRUCT F.E. (B.A.D.)

THOMAS E. BAILEY

STA. 101+00 - STA. 102+00, LT.
CLEARING & GRUBBING LANDSCAPE BUSHES REQ'D.
(PAID FOR UNDER EXCAVATION COMMON BID ITEM)

REMOVING SMALL PIPE CULVERTS
STA. 100+92, LT.
REMOVE 15" CMP

STA. 100+92, LT.
CONSTRUCT F.E. (B.A.D.)

STA. 101+70, LT.
ASPHALTIC FLUME REQ'D.

REMOVING SMALL PIPE CULVERTS
STA. 101+16, LT.
REMOVE 12" CMP

STA. 101+16, LT.
CONSTRUCT P.E. (ASPHALT)

STA. 101+82, LT.
CONSTRUCT P.E. (ASPHALT)

STA. 103+00 - STA. 105+00
CLEARING & GRUBBING REQ'D.

STA. 103+79, LT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

STA. 101+70 - STA. 104+05, LT.
CONCRETE CURB & GUTTER
6-INCH SLOPED 30-INCH TYPE J

KEITH K. JORENSEN

STA. 104+05, LT.
ASPHALTIC FLUME REQ'D.

N

P.L.

JEFFERY J. RAESE

MATCHLINE STA. 94+00

SLOPE INTERCEPTS

EXISTING C/L CTH ET

ALLIANT ENERGY (TYP.)

PT. 96+96.04

STA. 101+04, LT.
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

BM 11

91°03'36"

JAMES C. PRESTWICH

EXISTING DECIDUOUS TREES TO REMAIN

STA. 105+00 - STA. 106+00, LT.
CLEARING & GRUBBING REQ'D.

R/W

CURVE 12

CENTURYLINK (TYP.)

OAKDALE ELECTRIC COOPERATIVE (TYP.)

STA. 96+25, RT.
CONSTRUCT F.E. (B.A.D.)

CURVE 12
PI STA. = 95+14.52
Y = 400,818.39
X = 695,452.54
R = 485.00
D = 11°48'49"
DELTA = 45°25'37"
L = 384.53
T = 203.01
C = 374.54
PC STA. = 93+11.50
Y = 400,677.11
X = 695,598.33
PT STA. = 96+96.04
Y = 401,021.40
X = 695,450.88
S.E. = 6.0%
RO = 124'
S.E. TRANS = 165'

TLE REQ'D.

FINISHED C/L 'D'-LINE (FLARE AVE.)

THOMAS E. BAILEY

STA. 100+56
(1) PIPE ARCH CORRUGATED STEEL 64X43-INCH
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 64X43-INCH 4 TO 1 REQ'D.
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 64X43-INCH 6 TO 1 REQ'D.

STA. 100+65
(1) PIPE ARCH CORRUGATED STEEL 83X57-INCH
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 83X57-INCH 4 TO 1 REQ'D.
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 83X57-INCH 6 TO 1 REQ'D.

STA. 100+75
(1) PIPE ARCH CORRUGATED STEEL 64X43-INCH
(2) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 64X43-INCH 6 TO 1 REQ'D.

REMOVING SMALL PIPE CULVERTS
STA. 100+72
REMOVE 48" CMP

S89°24'36"E 501.0'

FLARE AVENUE

FINISHED C/L CTH ET

96°47'51"

N00°28'14"W

STA. 101+17.42 (CTH ET) =
STA. 500'D'+00.00 ('D'-LINE (FLARE AVE.))
TYPE C INTERSECTION REQ'D.

~AGRICULTURAL FIELD~

WETLAND DETERMINATION (TYP.)

KEVIN L. RITTER

STA. 104+53
(1) CULVERT PIPE CLASS III-A 30-INCH
(2) APRON ENDWALLS CULVERT PIPE 30-INCH REQ'D.

REMOVING SMALL PIPE CULVERTS
STA. 104+53
REMOVE 30" CMP

EXISTING C/L FLARE AVE.

END PROJECT
STA. 105+50

LEGEND

- DIRECTION OF FLOW
- XXXXXXXXX SAWING ASPHALT
- RIPRAP HEAVY OVER GEOTEXTILE TYPE HR
- WETLANDS

SEE MISCELLANEOUS QUANTITIES SHEET FOR EARTHWORK SUMMARY

PI STA 94+50.00
EL 999.50

PT STA 96+00.00
EL 998.00

L=300.00
K=323.14

PC STA 96+00.00
EL 998.00

L=300.00
K=241.29

PI STA 97+50.00
EL 996.49

PT STA 99+00.00
EL 996.38

VPI STA. = 101+50.00
VPI EL. = 996.19

VPI STA. = 103+25.00
VPI EL. = 996.71

VPI STA. = 105+00.00
VPI EL. = 995.93

PC STA 106+72.00
EL 995.80

FINISHED C/L PROFILE CTH ET

EXISTING C/L PROFILE CTH ET

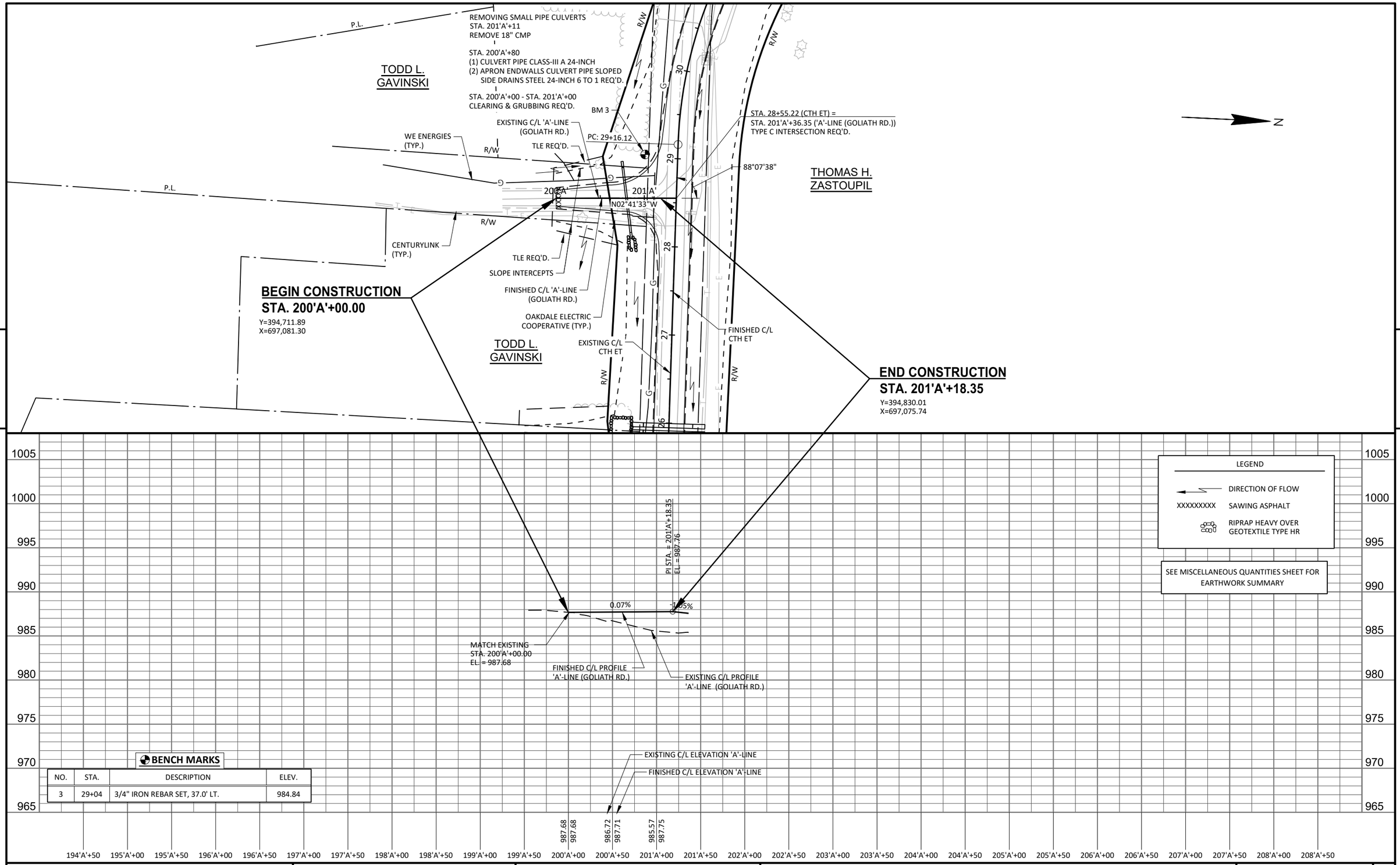
-0.07%
0.30%
0.45%
-0.07%

EXISTING C/L ELEVATION
FINISHED C/L ELEVATION

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
11	100+77	3/4" IRON REBAR SET, 33.7' LT.	993.50

| | | |



BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
3	29+04	3/4" IRON REBAR SET, 37.0' LT.	984.84

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: 'A'-LINE (GOLIATH ROAD)	SHEET 78	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P_GOLIATH RD.DWG
LAYOUT NAME - 'A'-LINE (GOLIATH ROAD)

PLOT DATE : 10/29/2021 2:13 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

STA. 300'B'+00 - STA. 303'B'+83, RT.
CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J REQ'D.

STA. 303'B'+89, RT.
ASPHALTIC FLUME REQ'D.

STA. 301'B'+00 - STA. 302'B'+00, LT.
CLEARING & GRUBBING REQ'D.

EXISTING TRANSFORMERS AND CONCRETE BASE TO REMAIN

EXISTING LIGHT POLE TO REMAIN

BM 4

STA. 32+98.00 (CTH ET) =
STA. 305'B'+13.32 ('B'-LINE (FLAT IRON AVE.))
TYPE C INTERSECTION REQ'D.

THOMAS H. ZASTOUPIL

STA. 303'B'+65, LT.
CONSTRUCT P.E. (ASPHALT)

LARRY A. PITEL

HOUSE

OAKDALE ELECTRIC COOPERATIVE (TYP.)

CHARTER COMMUNICATIONS (TYP.)

EXISTING C/L 'B'-LINE (FLAT IRON AVE.)

FINISHED C/L DRAINAGE DITCH

FINISHED C/L 'F'-LINE

FINISHED C/L 'B'-LINE (FLAT IRON AVE)

TLE REQ'D.

110°16'30"

90°00'00"

FINISHED C/L CTH ET

CENTURYLINK (TYP.)

PC: 302+92.49

PT: 304+04.16

305'B'

N44°17'39"E

304'B'

CURVE 14

N88°43'28"E

PC: 29+16.12

R/W

33'

33'

(ASPHALT)

308'B'

301'B'

302'B'

303'B'

TLE REQ'D.

WE ENERGIES (TYP.)

EXISTING WELL TO REMAIN

SLOPE INTERCEPTS

FINISHED C/L 'G'-LINE

EXISTING C/L CTH ET

FINISHED C/L DRAINAGE DITCH

BM 3

EXISTING SEPTIC FIELD TO REMAIN

FINISHED C/L 'A'-LINE (GOLIATH RD.)

CURVE 14
PI STA. = 303'B'+51.30
Y = 394,864.70
X = 696,551.07
R = 144.00
D = 39°47'19"
DELTA = 44°25'49"
L = 111.67
T = 58.81
C = 108.89
PC STA. = 302'B'+92.49
Y = 394,863.39
X = 696,492.27
PT STA. = 304'B'+04.16
Y = 394,906.79
X = 696,592.14
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

BEGIN CONSTRUCTION
STA. 299'B'+90
Y=394,856.65
X=696,189.86

END CONSTRUCTION
STA. 304'B'+95.32
Y=394,972.04
X=696,655.80

STA. 300'B'+35, RT.
CONSTRUCT P.E. (ASPHALT)

DAWN M. BURKHALTER

STA. 302'B'+20, RT.
CONSTRUCT P.E. (ASPHALT)

BEVERLY J. BURKHALTER

STA. 303'B'+65, RT.
CONSTRUCT P.E. (ASPHALT)

JOHN J. DA SILVA

TODD L. GAVINSKI

TODD L. GAVINSKI

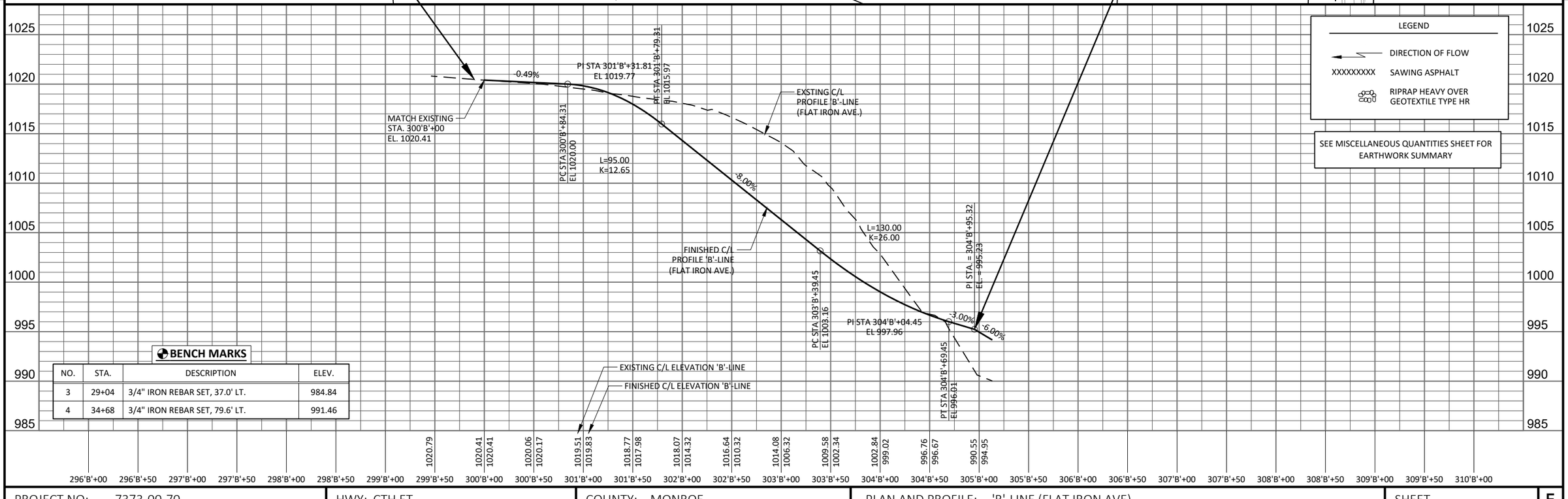
STA. 302'B'+00 - STA. 303'B'+00
CLEARING & GRUBBING REQ'D.

STA. 303'B'+00 - STA. 304'B'+00, RT.
CLEARING & GRUBBING REQ'D.

N

5

5



BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
3	29+04	3/4" IRON REBAR SET, 37.0' LT.	984.84
4	34+68	3/4" IRON REBAR SET, 79.6' LT.	991.46

LEGEND

- DIRECTION OF FLOW
- XXXXXXXXX SAWING ASPHALT
- RIPRAP HEAVY OVER GEOTEXTILE TYPE HR

SEE MISCELLANEOUS QUANTITIES SHEET FOR EARTHWORK SUMMARY

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: 'B'-LINE (FLAT IRON AVE)	SHEET 79	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P_FLAT IRON AVE.DWG
LAYOUT NAME - 'B'-LINE (FLAT IRON AVE)

PLOT DATE : 10/29/2021 2:13 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

THOMAS E. BAILEY

CHICAGO MILWAUKEE AND ST. PAUL RAILWAY COMPANY

CANADIAN PACIFIC RAILROAD

CHICAGO MILWAUKEE AND ST. PAUL RAILWAY COMPANY

ARTHUR G. TRALMER

THOMAS H. ZASTOUPIL

THOMAS E. CLAY FAMILY IRREVOCABLE TRUST

CURVE 15
PI STA. = 401'C'+45.79
Y = 398,592.68
X = 696,251.17
R = 144.00
D = 39°47'19"
DELTA = 62°11'33"
L = 156.31
T = 86.85
C = 148.75
PC STA. = 400'C'+58.94
Y = 398,600.61
X = 696,164.68
PT STA. = 402'C'+15.24
Y = 398,512.47
X = 696,284.50
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

CURVE 16
PI STA. = 403'C'+25.10
Y = 398,411.02
X = 696,326.66
R = 144.00
D = 39°47'19"
DELTA = 69°46'25"
L = 175.36
T = 100.41
C = 164.72
PC STA. = 402'C'+24.70
Y = 398,503.74
X = 696,288.13
PT STA. = 404'C'+00.06
Y = 398,415.12
X = 696,426.98
S.E. = SEE S.E. TABLE
RO = SEE S.E. TABLE
S.E. TRANS = SEE S.E. TABLE

STA. 400'C'+00 - STA. 401'C'+00, LT.
CLEARING & GRUBBING REQ'D.

BEGIN CONSTRUCTION
STA. 400'C'+00
Y=398,605.99
X=696,105.99

END CONSTRUCTION
STA. 404'C'+15.75
Y=398,415.76
X=696,442.66

STA. 403'C'+85
(1) PIPE ARCH CORRUGATED STEEL 42X29-INCH
(2) APRON ENDWALLS PIPE ARCH SLOPED SIDE DRAINS STEEL 42X29-INCH 4 TO 1 REQ'D.

STA. 67+70.00 (CTH ET) =
STA. 404'C'+33.75 ('C'-LINE (FLAGSHIP AVE.))
TYPE C INTERSECTION REQ'D.

90°00'00"

BM 7

TLE REQ'D.

EXISTING CANADIAN PACIFIC RAILROAD STRUCTURE TO REMAIN

FINISHED C/L CTH ET

EXISTING C/L CTH ET

OAKDALE ELECTRIC COOPERATIVE (TYP.)

EXISTING C/L 'C'-LINE (FLAGSHIP AVE.)

WE ENERGIES (TYP.)

CENTURYLINK (TYP.)

SLOPE INTERCEPTS

FINISHED C/L 'C'-LINE (FLAGSHIP AVE.)

PT: 71+

PC: 70+80.16

PT: 69+84.12

PC: 400+58.94

PC: 69+11.64

PT: 402+15.24
PC: 402+24.70

PT: 404+00.06

RT: 66+78.21

401'C'

402'C'

403'C'

404'C'

CURVE 15

CURVE 16

S84°45'31"E

S83°14'50"E

S27°33'58"E

N87°39'37"E

33'

33'

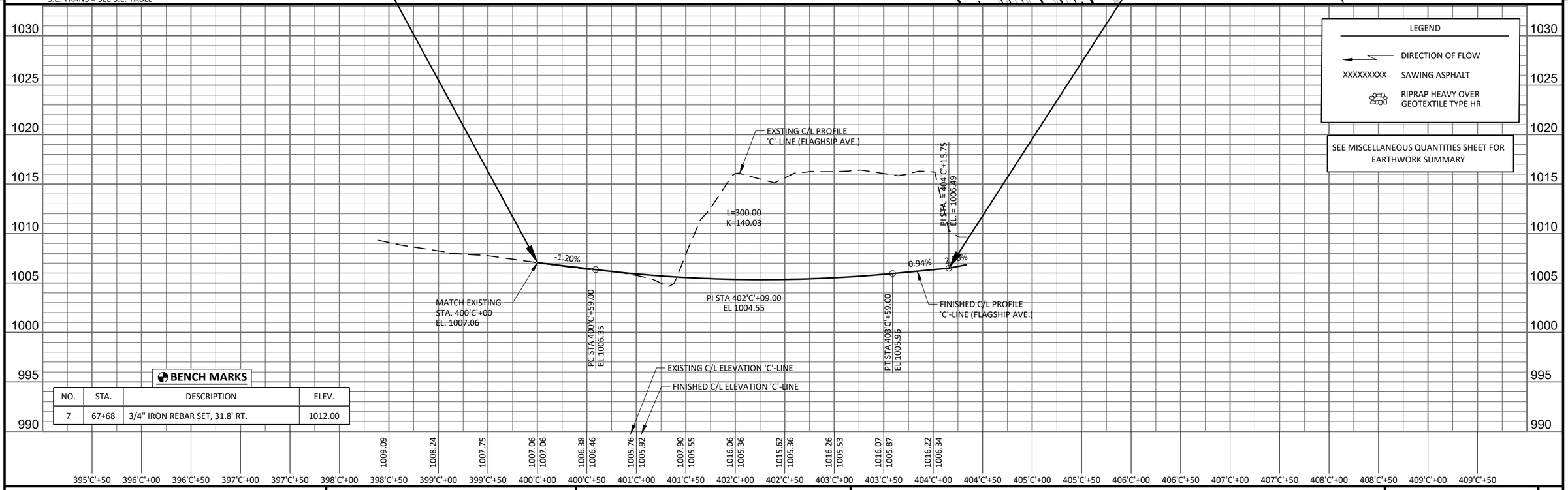
(ASPHALT)

R/W

P.L.

HOUSE

XXXX



BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
7	67+68	3/4" IRON REBAR SET, 31.8' RT.	1012.00

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: 'C'-LINE (FLAGSHIP AVE)	SHEET 80	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P_FLAGSHIP AVE.DWG
LAYOUT NAME - 'C'-LINE (FLAGSHIP AVE)

PLOT DATE : 10/29/2021 2:13 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

KEITH K. JORENSEN

ETHAN D. SCHUH

JAMES C. PRESTWICH

KEVIN L. RITTER

THOMAS E. BAILEY

THOMAS E. BAILEY

THOMAS E. BAILEY

P.L.

R/W

FINISHED C/L CTH ET

EXISTING C/L CTH ET

STA. 500'D'+00 - STA. 502'D'+00, LT. CLEARING & GRUBBING REQ'D.

N

CENTURYLINK (TYP.)

EXISTING C/L 'D'-LINE (FLARE AVE.)

WETLAND DETERMINATION (TYP.)

STA. 101+17.42 (CTH ET) = STA. 500'D'+00.00 ('D'-LINE (FLARE AVE.)) TYPE C INTERSECTION REQ'D.

91°03'36"

501'D'

(ASPHALT)

33'

S89°24'39"E

BM 11

DEER CREEK

FINISHED C/L 'D'-LINE (FLARE AVE.)

SLOPE INTERCEPTS

ALLIANT ENERGY (TYP.)

TLE REQ'D.

OAKDALE ELECTRIC COOPERATIVE (TYP.)

BEGIN CONSTRUCTION
STA. 500'D'+18
Y=401,442.59
X=695,465.41

END CONSTRUCTION
STA. 501'D'+50.00
Y=401,441.23
X=695,597.41

PI STA. = 500'D'+18.00
EL. = 995.85

FINISHED C/L PROFILE 'D'-LINE (FLARE AVE.)

L=80.00
K=27.69

-2.00%

-3.00%

-0.11%

EXSTING C/L PROFILE 'D'-LINE (FLARE AVE.)

PI STA 501'D'+08.77
EL 993.13

PC STA 500'D'+68.77
EL 994.33

PT STA 501'D'+48.77
EL 993.09

MATCH EXISTING STA. 501'D'+50
EL. 993.09

EXISTING C/L ELEVATION 'D'-LINE

FINISHED C/L ELEVATION 'D'-LINE

994.82 996.21 | 994.11 994.89 | 993.34 993.57 | 993.09 993.09 | 992.93 | 992.70

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
11	100+77	3/4" IRON REBAR SET, 33.7' LT.	993.50

LEGEND

- DIRECTION OF FLOW
- XXXXXXXXX SAWING ASPHALT
- RIPRAP HEAVY OVER GEOTEXTILE TYPE HR
- WETLANDS

SEE MISCELLANEOUS QUANTITIES SHEET FOR EARTHWORK SUMMARY

1010 1005 1000 995 990 985 980 975 970

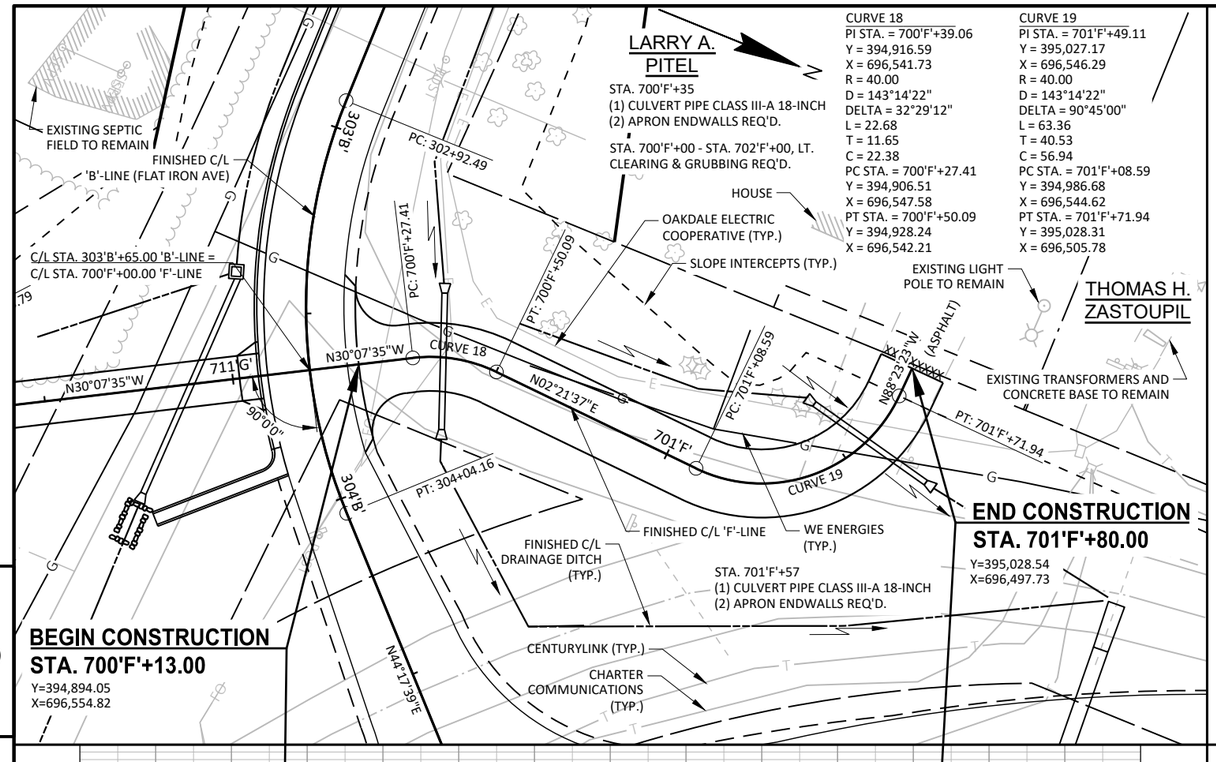
495'D'+50 496'D'+00 496'D'+50 497'D'+00 497'D'+50 498'D'+00 498'D'+50 499'D'+00 499'D'+50 500'D'+00 500'D'+50 501'D'+00 501'D'+50 502'D'+00 502'D'+50 503'D'+00 503'D'+50 504'D'+00 504'D'+50 505'D'+00 505'D'+50 506'D'+00 506'D'+50 507'D'+00 507'D'+50 508'D'+00 508'D'+50 509'D'+00 509'D'+50

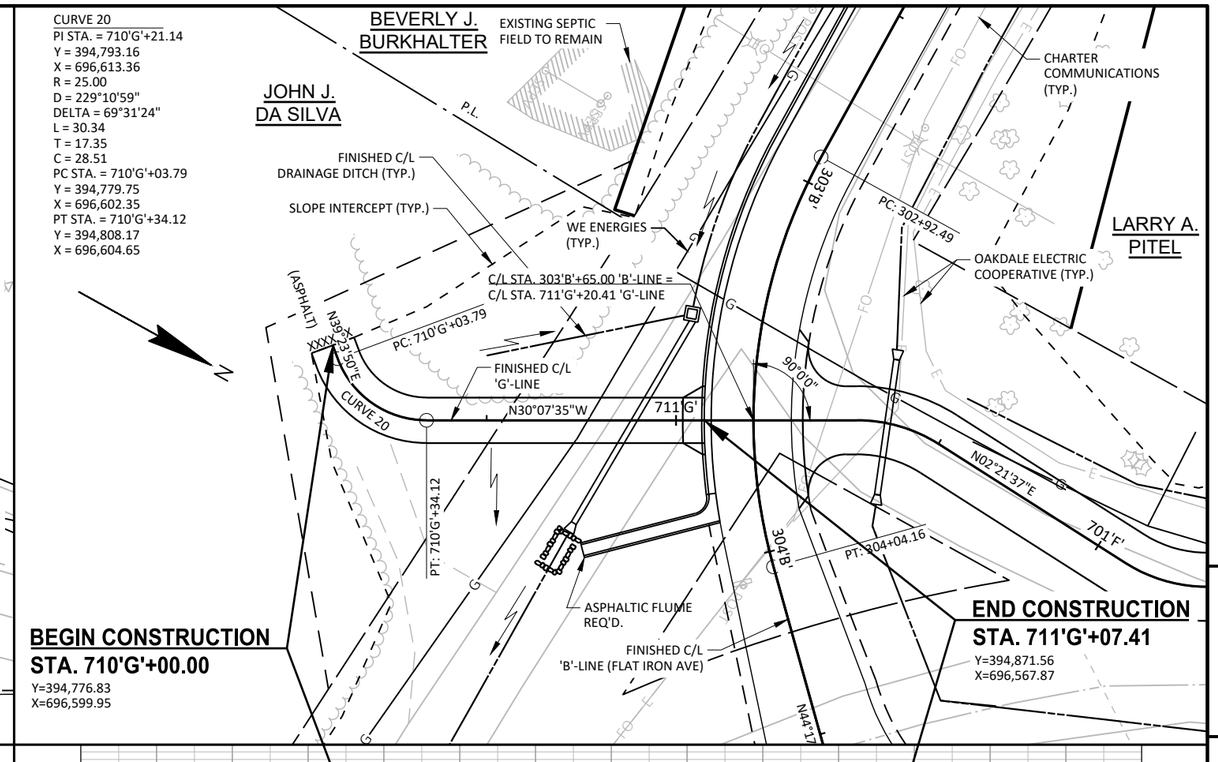
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: 'D'-LINE (FLARE AVE)	SHEET 81	E

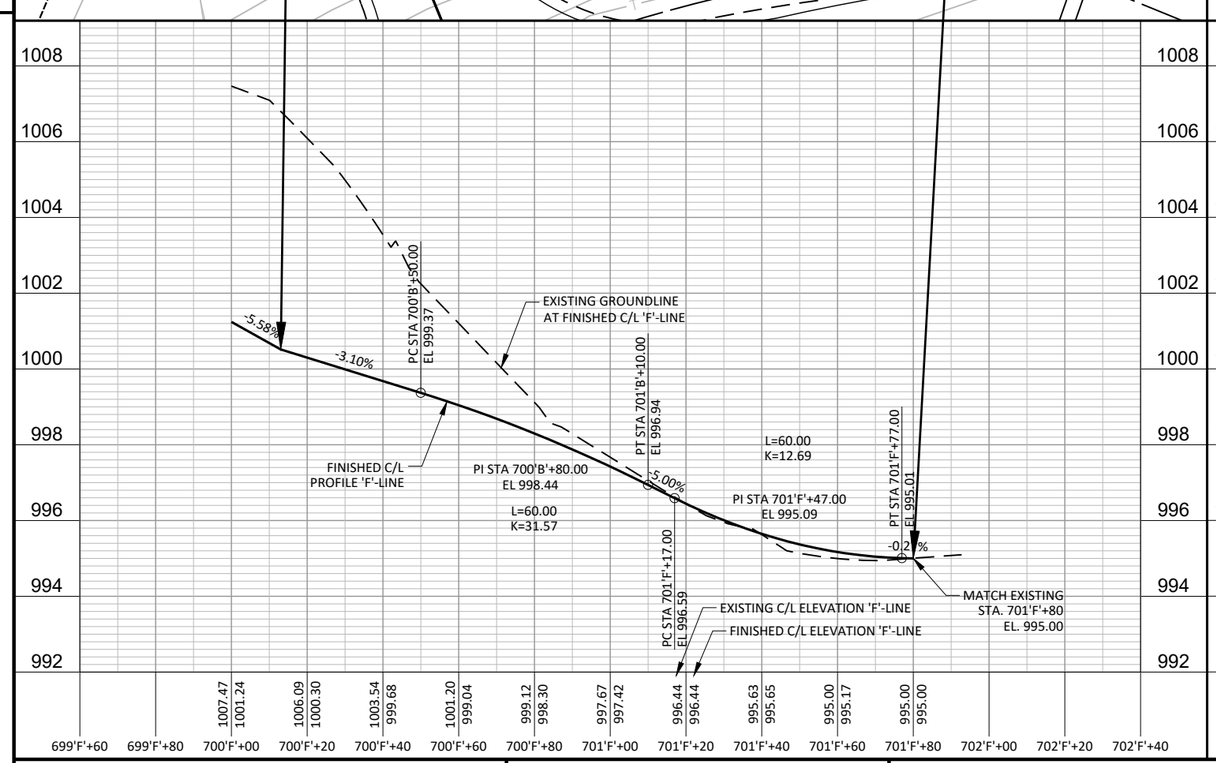
FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P_FLARE AVE.DWG
LAYOUT NAME - 'D'-LINE (FLARE AVE)

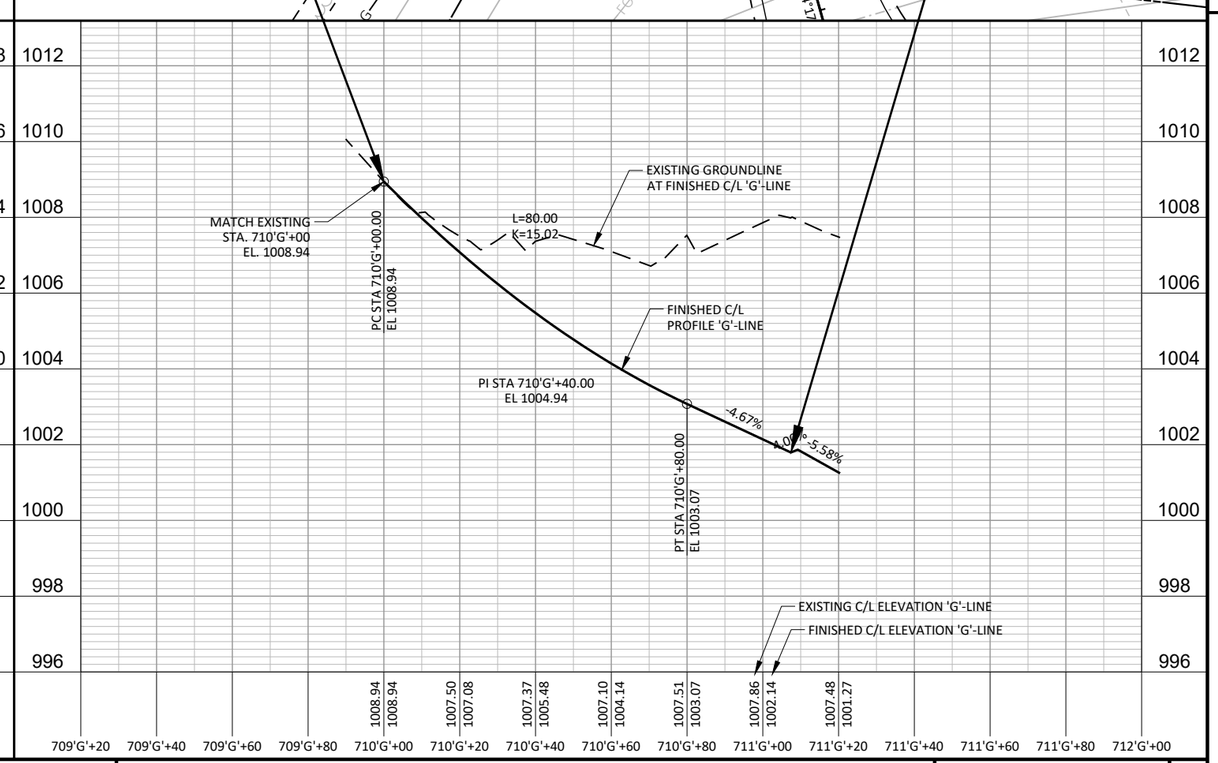
PLOT DATE : 10/29/2021 2:13 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44









PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: 'F'-LINE (P.E.) & 'G'-LINE (P.E.)	SHEET 82 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P_FLAT IRON AVE.DWG
LAYOUT NAME - 'F'-LINE (P.E.) 'G'-LINE (P.E.)
PLOT DATE : 10/29/2021 2:14 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 44

N

STA. 800'H'+00 - STA. 801'H'+00
CLEARING & GRUBBING REQ'D.

TODD L.
GAVINSKI

WE ENERGIES

OAKDALE ELECTRIC
COOPERATIVE

FINISHED C/L CTH ET

R/W

S89°10'49"W

SLOPE INTERCEPTS

FINISHED C/L
'H'-LINE (DRAINAGE DITCH)

30'x30'

C/L STA. 25+88.87 MAINLINE =
C/L STA. 801'H'+63.65 'H'-LINE
(DRAINAGE DITCH)

90°5'6"

800'H'

N00°44'04"W

801'H'

TLE REQ'D.

CENTURYLINK

CHARTER
COMMUNICATIONS

END CONSTRUCTION
STA. 801'H'+34.65
Y=394,822.80
X=697,341.59

BEGIN CONSTRUCTION
STA. 800'H'+00
Y=394,688.17
X=697,343.31

THOMAS H.
ZASTOUPIL

R/W

5

N

PC: 70+80.10

CENTURYLINK
(TYP.)

FINISHED C/L CTH ET

CHICAGO
MILWAUKEE AND
ST. PAUL RAILWAY
COMPANY

R/W

70

112°32'11"

PC: 900'I'+36.84

PT: 69+82.12

C/L STA. 69+72.10 MAINLINE =
C/L STA. 900'I'+00.00 'I'-LINE

CURVE 21

PT: 900'I'+84.20

PC: 900'I'+88.84

PT: 901'I'+11.71

901'I'

CURVE 22

SLOPE INTERCEPTS (TYP.)

TLE REQ'D.

FINISHED C/L
'I'-LINE (DRAINAGE DITCH)

STA. 900'I'+31 - STA. 901'I'+35
CLEARING & GRUBBING REQ'D.

OAKDALE ELECTRIC
COOPERATIVE (TYP.)

8'x26'

PC: 69+11.64

69

R/W

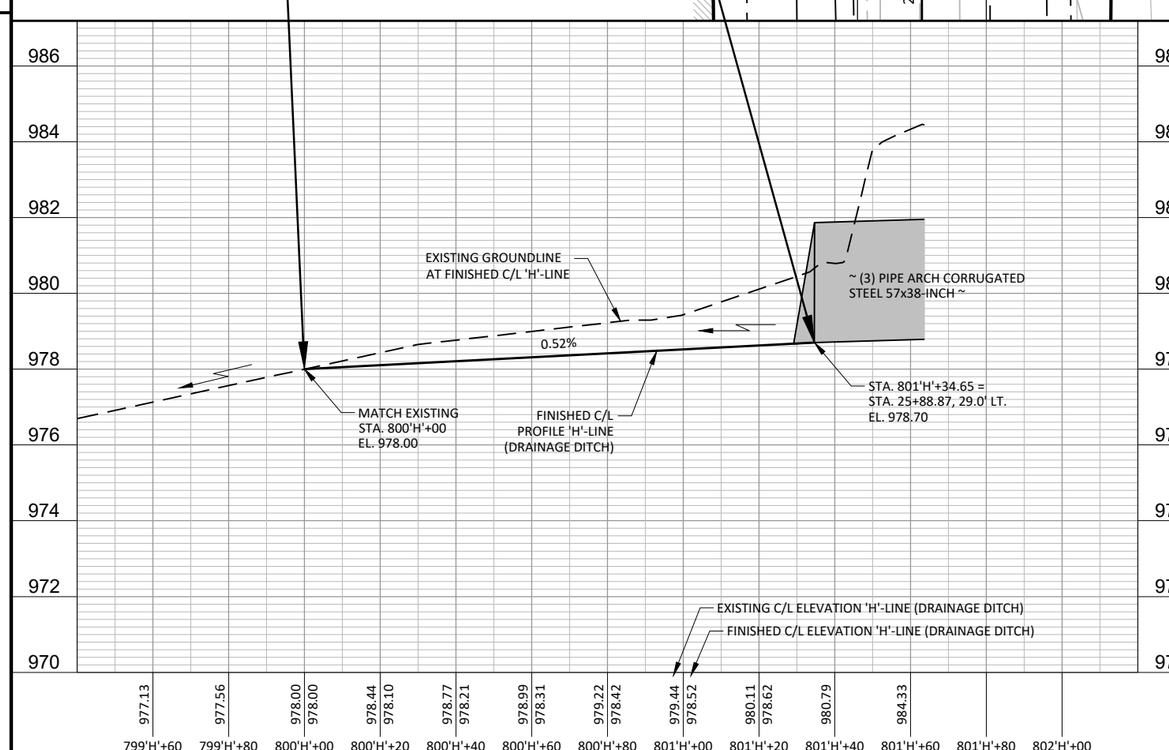
ARTHUR G.
TRALMER

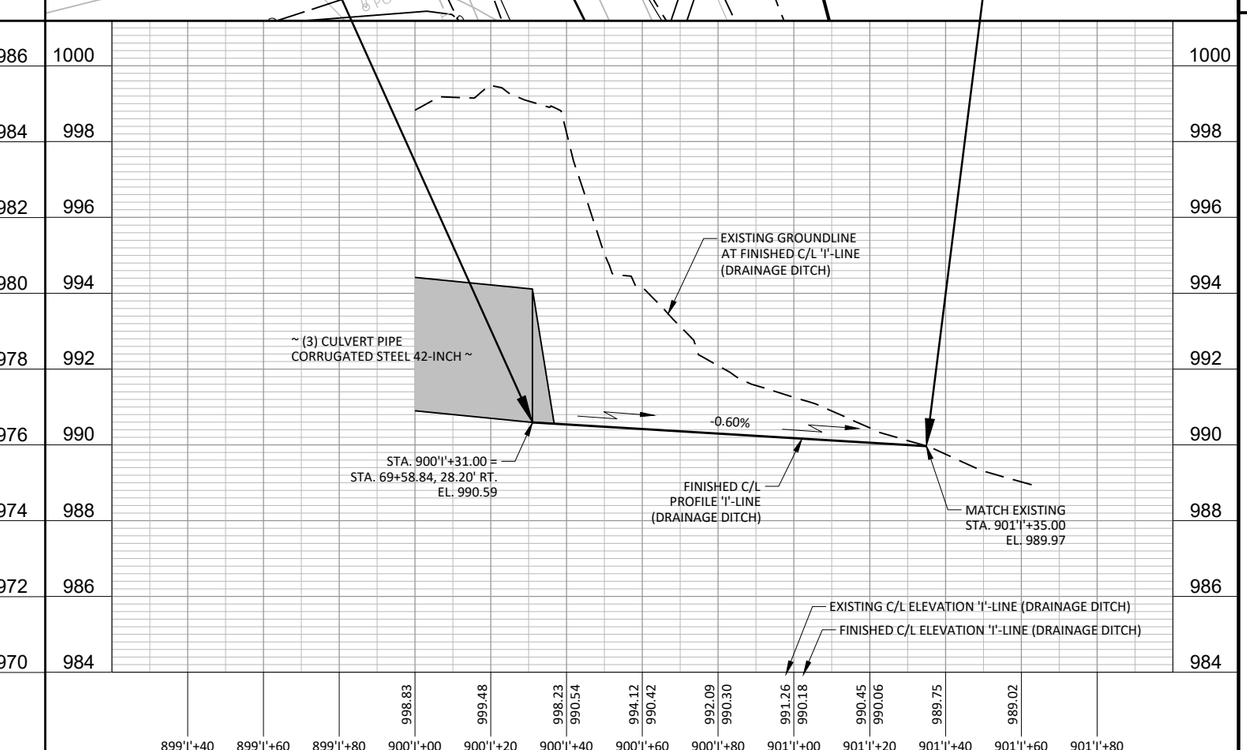
BEGIN CONSTRUCTION
STA. 900'I'+31.00
Y=398,603.62
X=696,483.40

END CONSTRUCTION
STA. 901'I'+35.00
Y=398,563.15
X=696,579.04

5

CURVE 21	CURVE 22
PI STA. = 900'I'+60.59	PI STA. = 901'I'+00.29
Y = 398,589.49	Y = 398,577.40
X = 696,509.40	X = 696,547.36
R = 250.00	R = 200.00
D = 22°55'06"	D = 28°38'52"
DELTA = 10°51'15"	DELTA = 6°33'04"
L = 47.36	L = 22.87
T = 23.75	T = 11.45
C = 47.29	C = 22.86
PC STA. = 900'I'+36.84	PC STA. = 900'I'+88.84
Y = 398,600.83	Y = 398,580.87
X = 696,488.53	X = 696,536.46
PT STA. = 900'I'+84.20	PT STA. = 901'I'+11.71
Y = 398,582.28	Y = 398,572.70
X = 696,532.03	X = 696,557.80





PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	PLAN AND PROFILE: 'H'-LINE (DRAINAGE DITCH) & 'I'-LINE (DRAINAGE DITCH)	SHEET 83	E

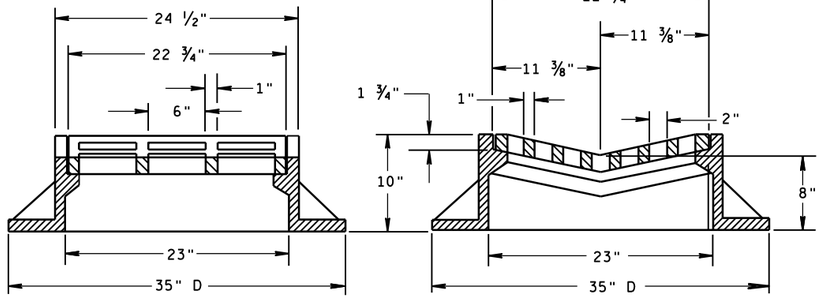
FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\SHEETSPLAN\PLAN & PROFILE SHEETS\P&P_DRAINAGE DITCHES.DWG
LAYOUT NAME - 'H'-LINE (DRAINAGE DITCH) & 'I'-LINE (DRAINAGE DITCH)

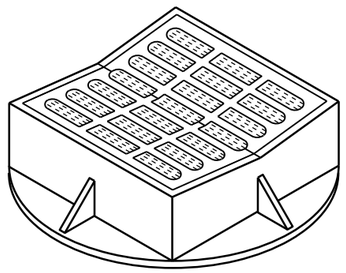
PLOT DATE : 2/10/2022 3:41 PM PLOT BY : KARTER ZAJICEK PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

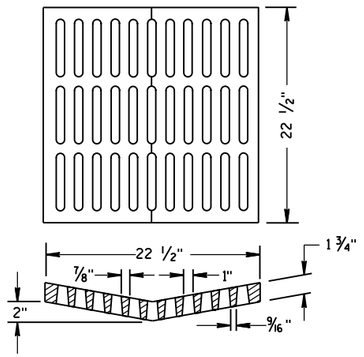
Standard Detail Drawing List

08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
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
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
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
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
13C19-03	HMA LONGITUDINAL JOINTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)



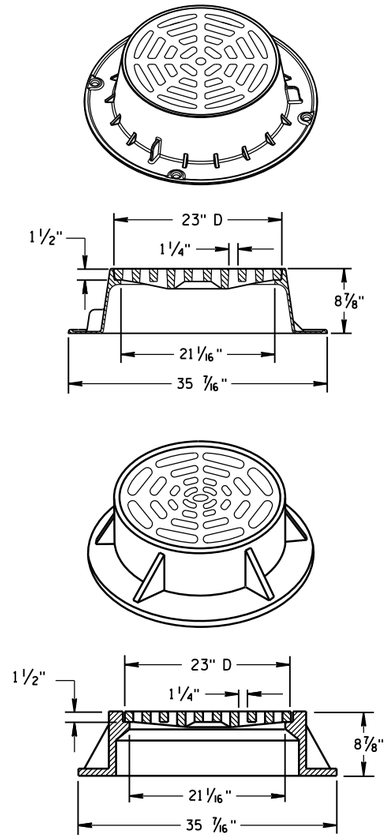


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

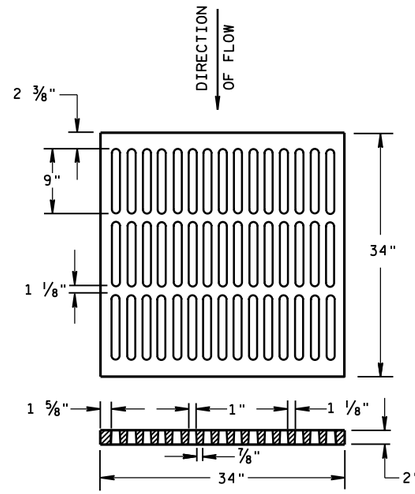
NOTE: EITHER CASTING IS ACCEPTABLE

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.

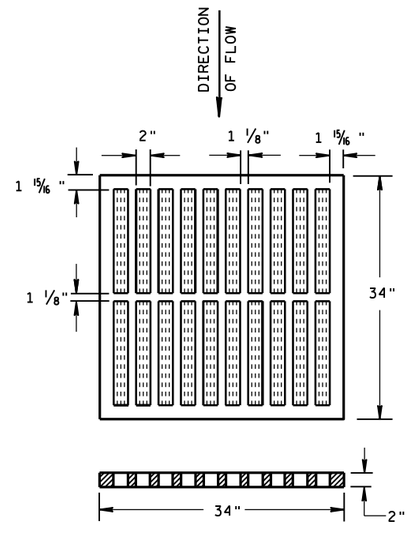
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



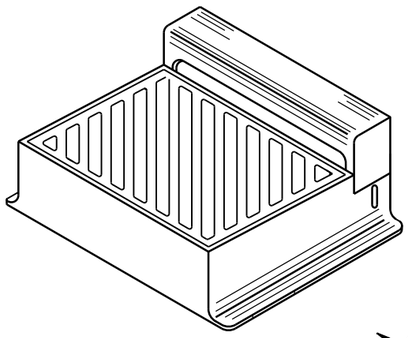
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

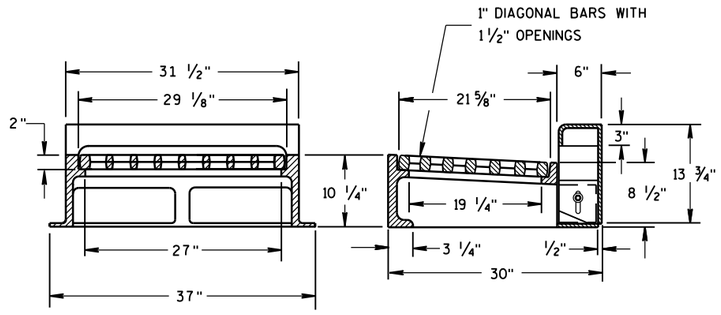


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

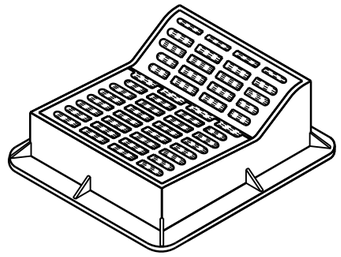
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

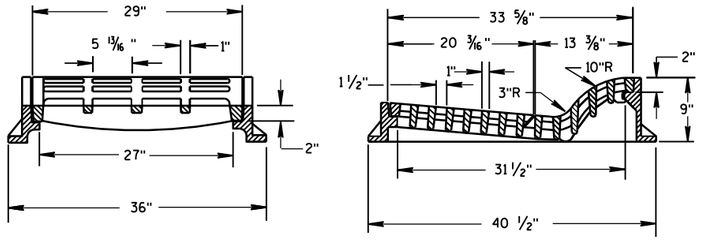
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

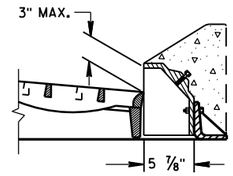
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

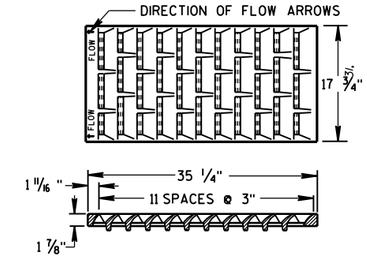
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

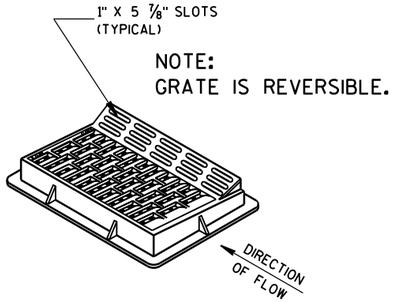
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

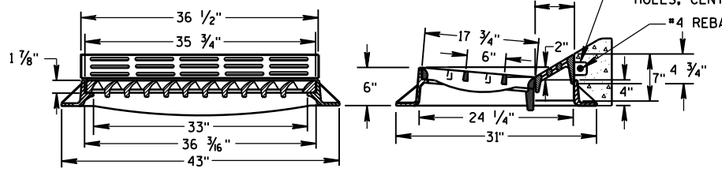
GENERAL NOTES

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.



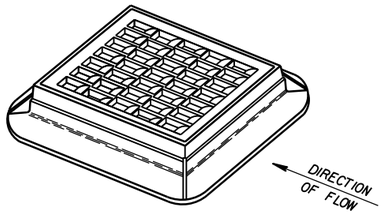


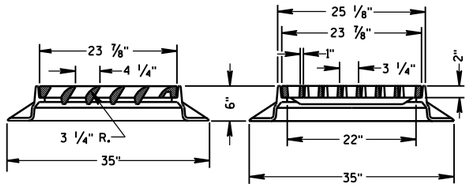


TYPE "HM"

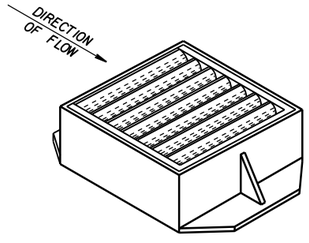
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

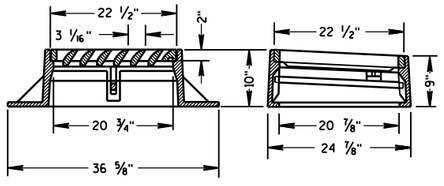
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



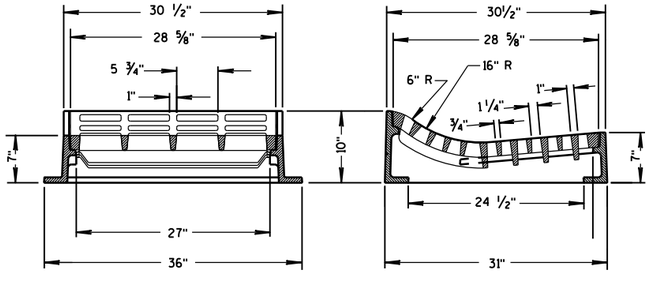


TYPE "S"



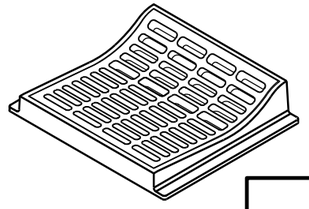


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

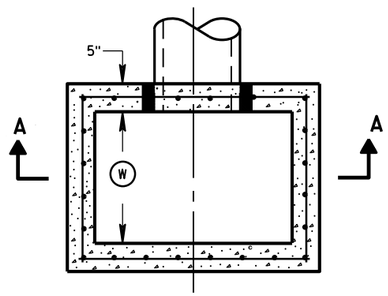
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

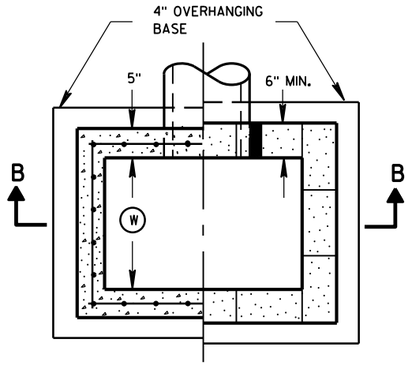
FHWA

6

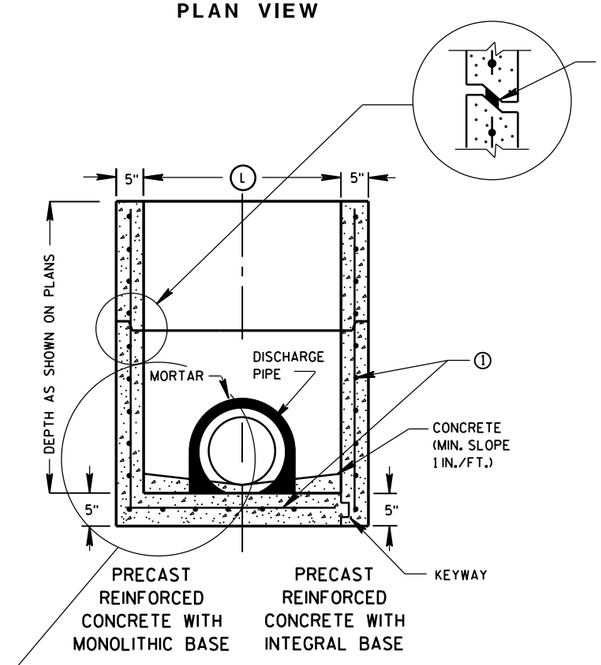
S.D.D. 8 A 5-19c



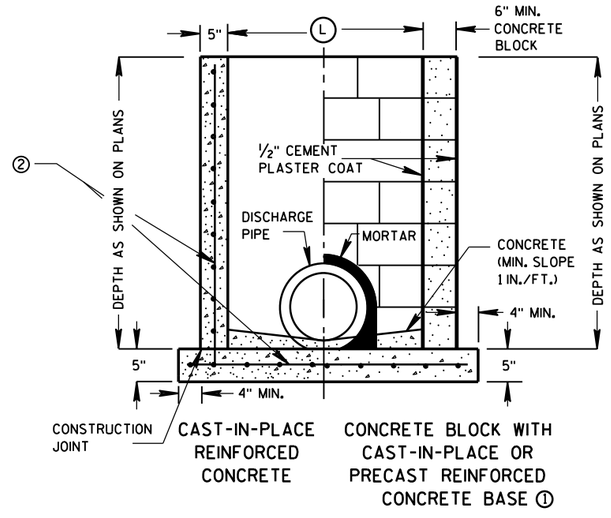
PLAN VIEW



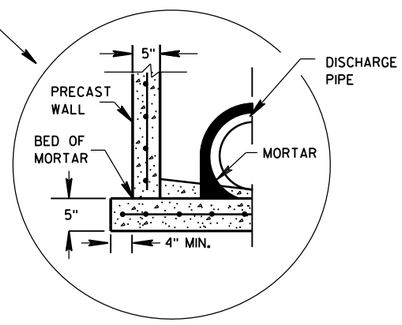
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

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.

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 INCH 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 PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

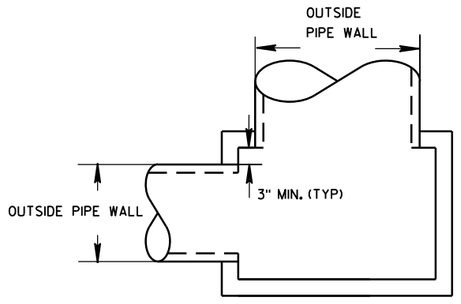
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



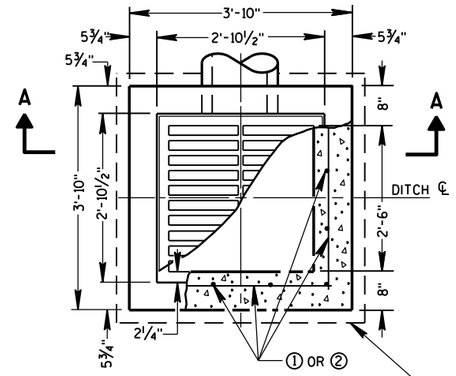
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

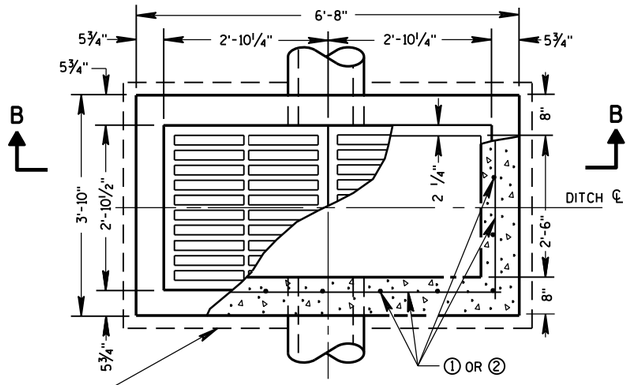
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

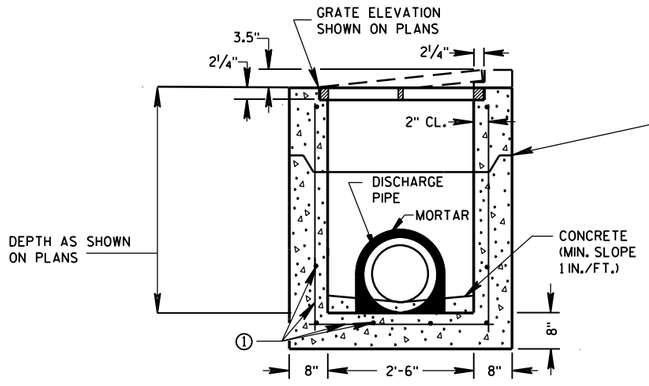


PLAN VIEW

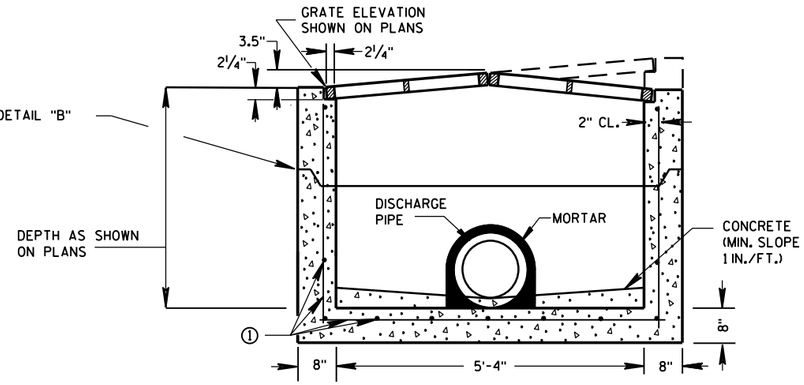


PLAN VIEW

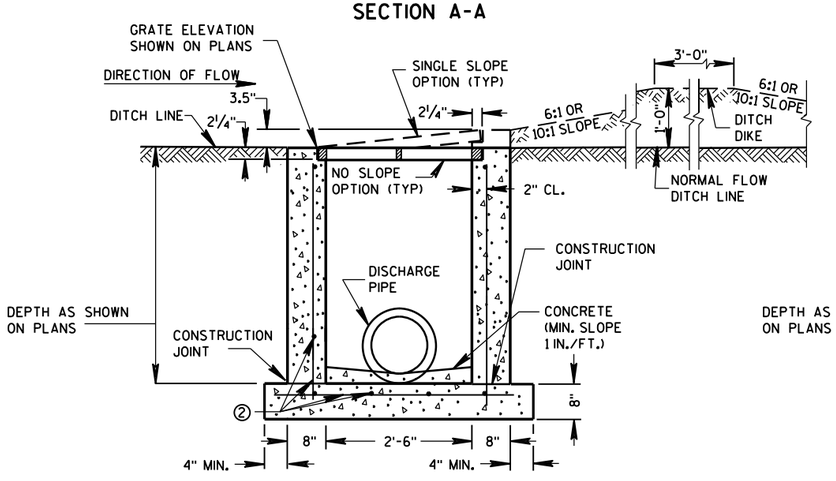
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



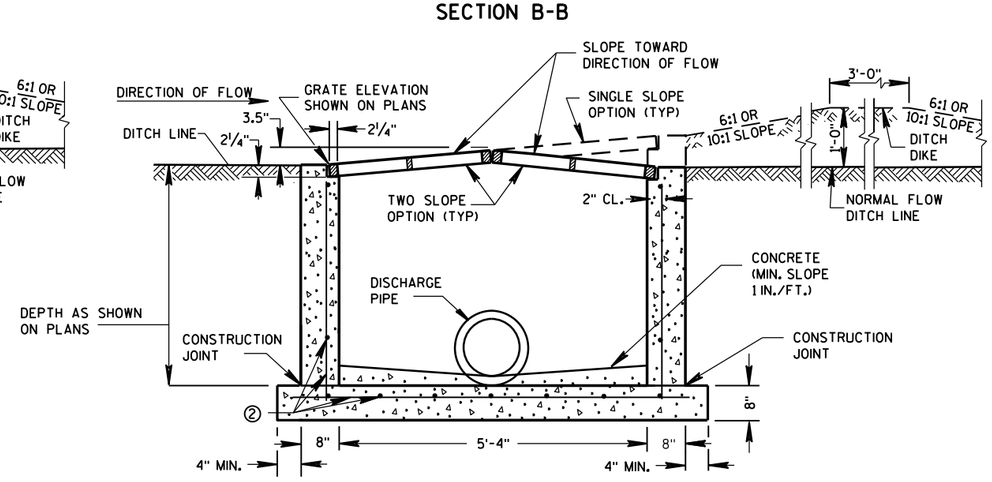
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

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.

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 INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE 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.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

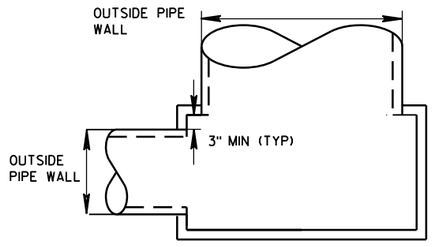
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS 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.

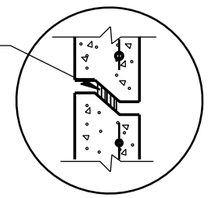
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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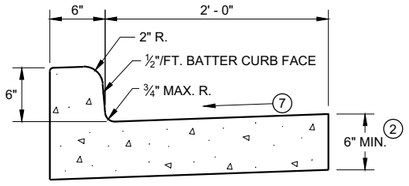
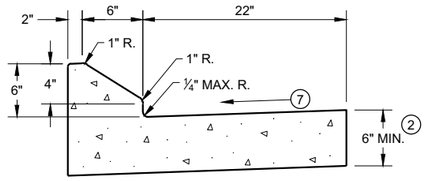
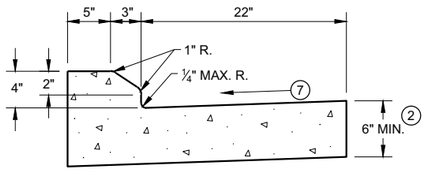


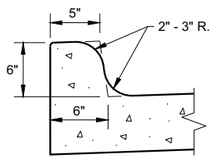
TYPES A (1) & D



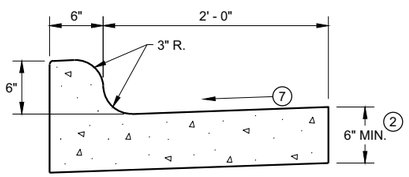
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

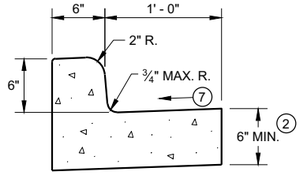


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



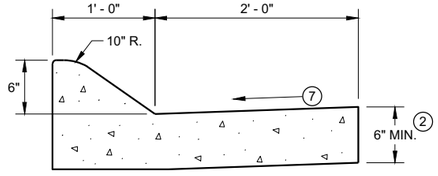
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

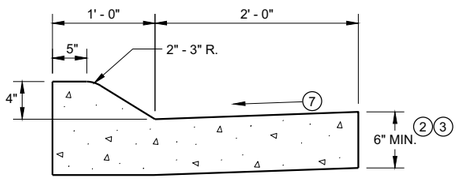


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

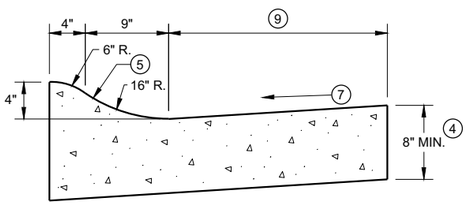


6" SLOPED CURB TYPES A (1) & D



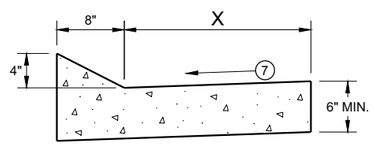
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

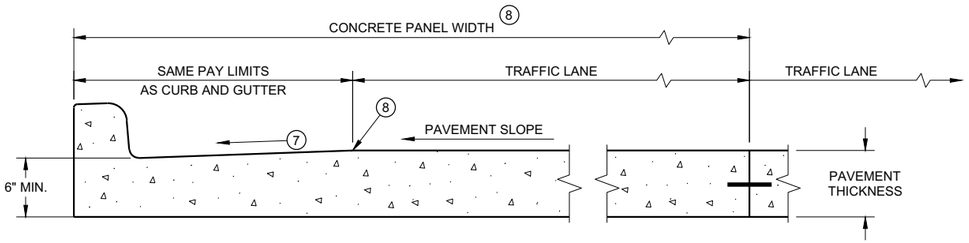


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

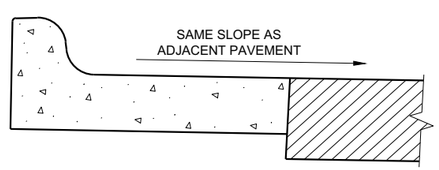
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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
DEPARTMENT OF TRANSPORTATION

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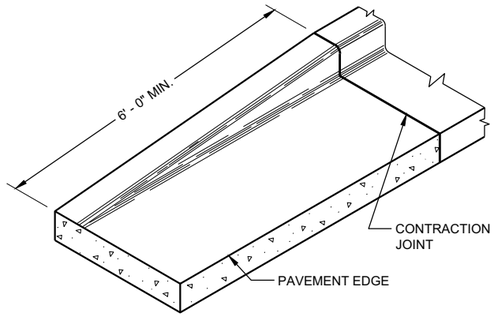
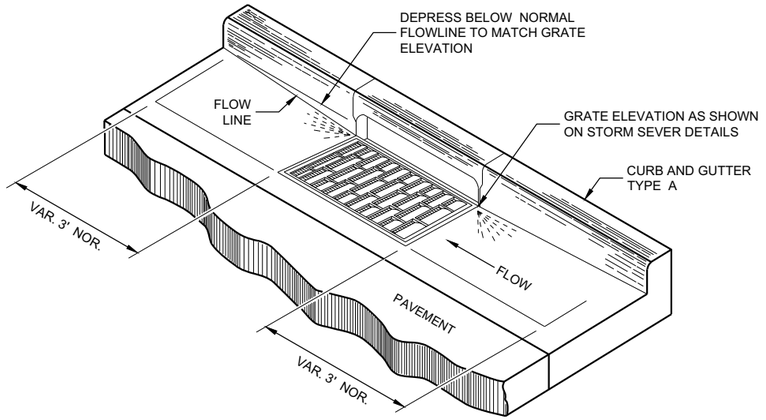
SDD 08D01 - 22a
SDD 08D01 - 22a



END SECTIONCURB 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.

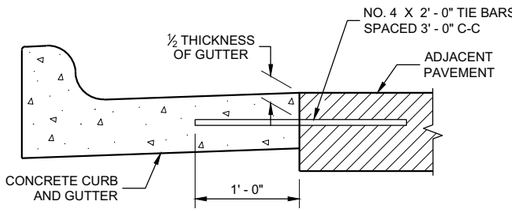
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

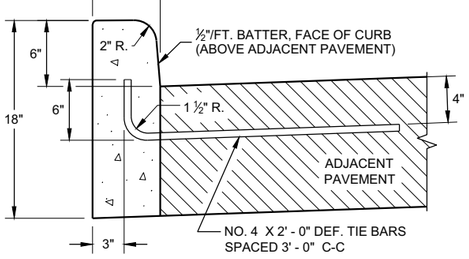
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

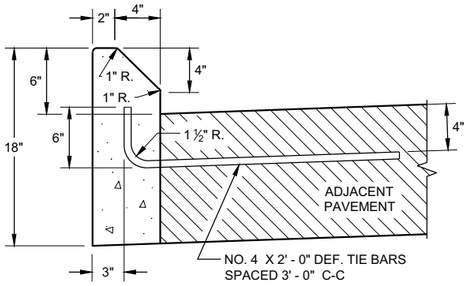
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

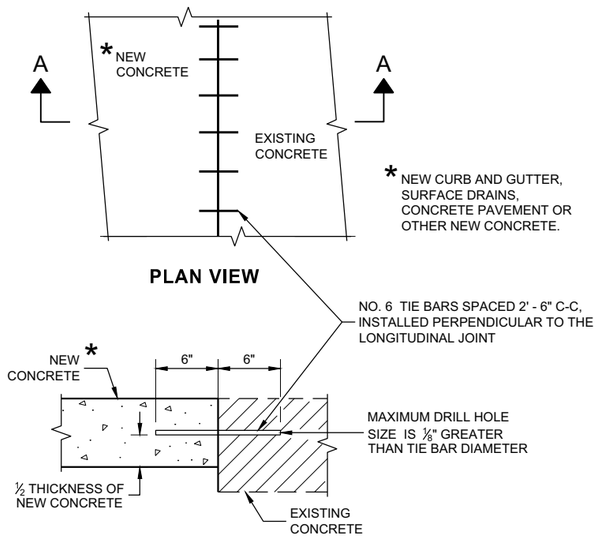


TYPES A (1) & D

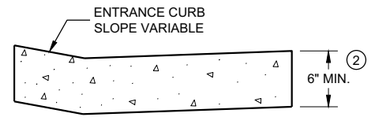


TYPES G (1) & J

CONCRETE CURB



TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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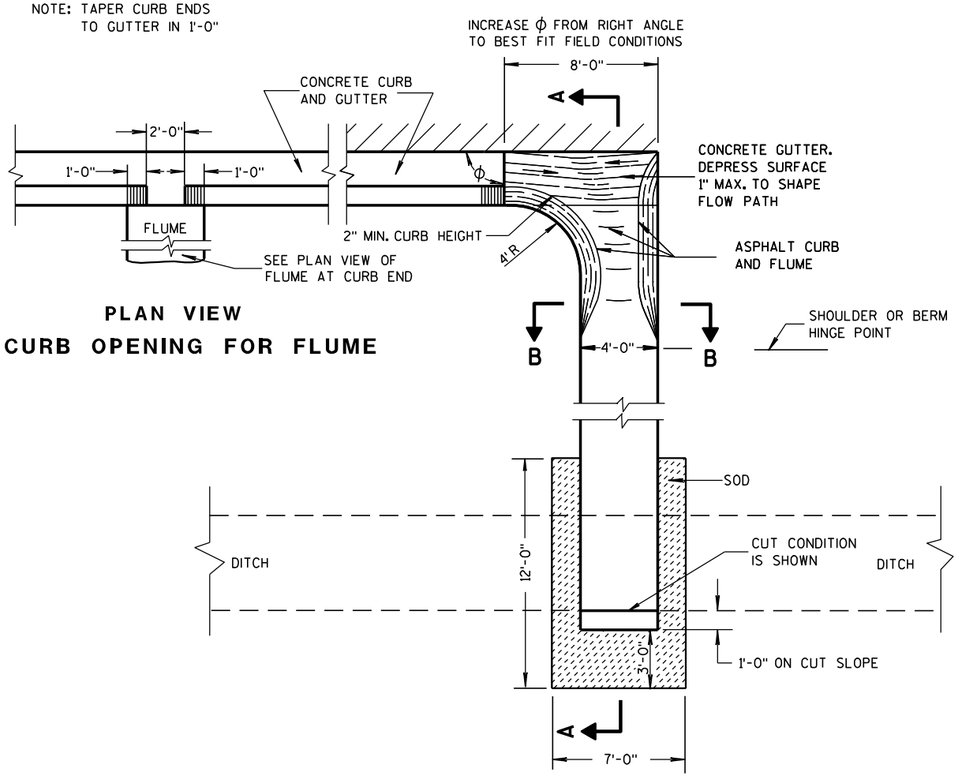
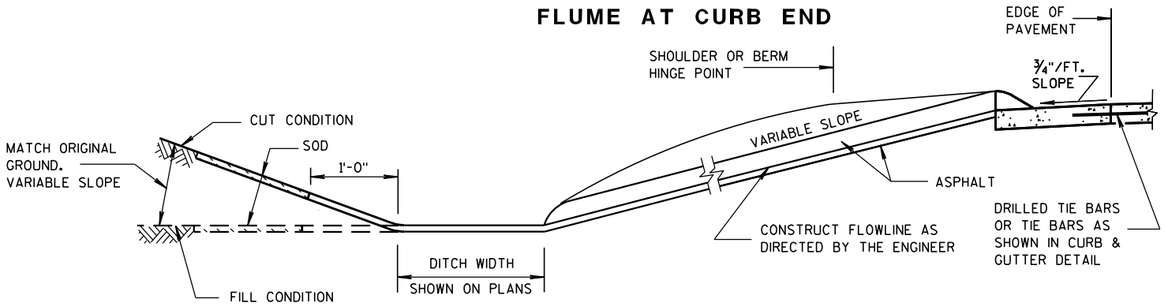
SDD08D01 - 22b
SDD08D01 - 22b

ASPHALTIC FLUME

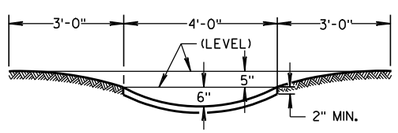


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

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.

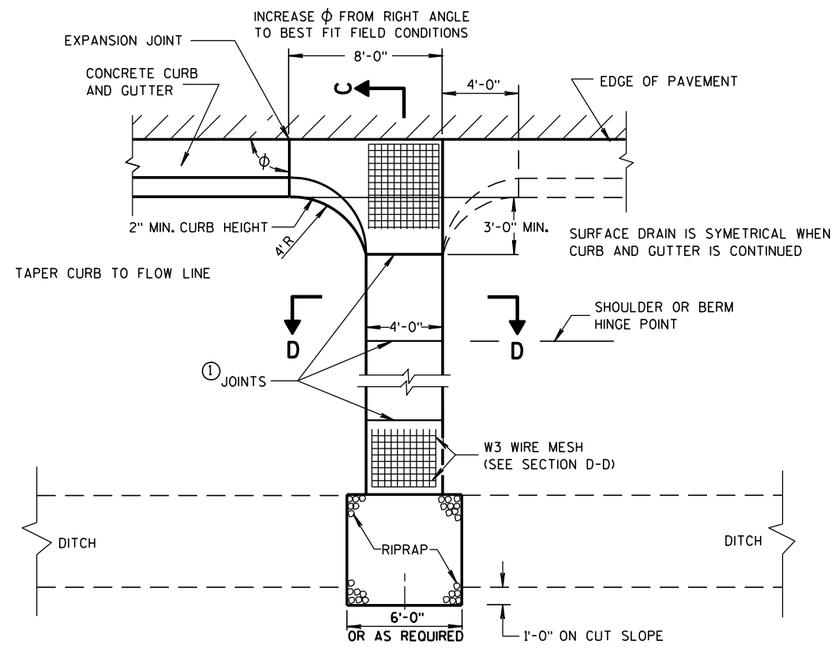
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

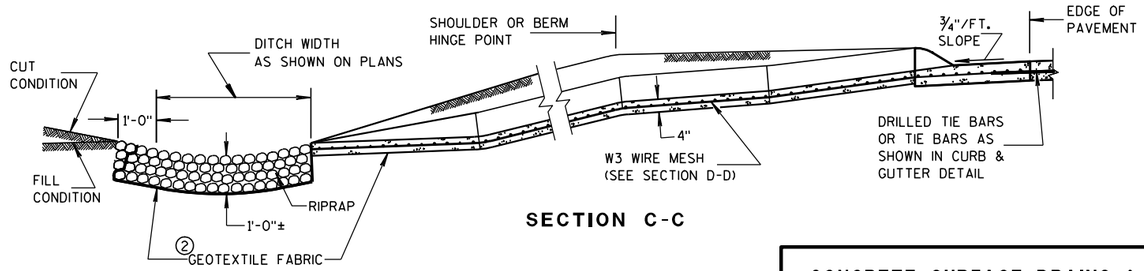
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

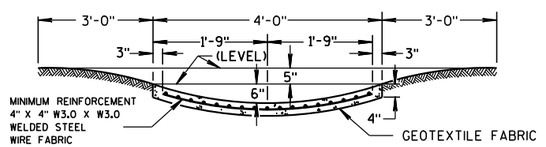
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
MENT
FHWA

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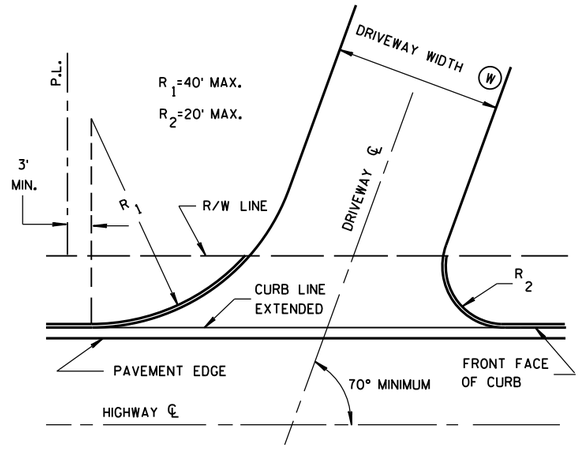
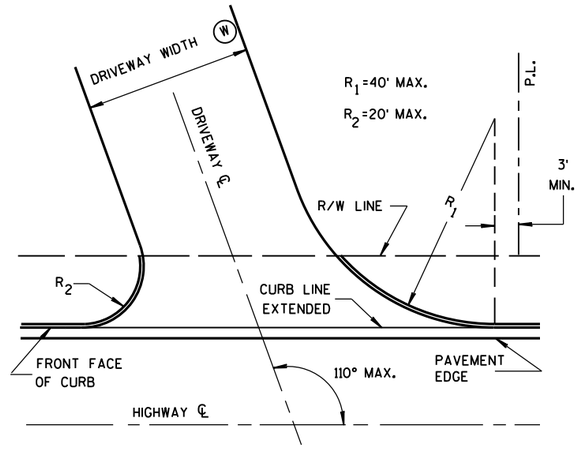
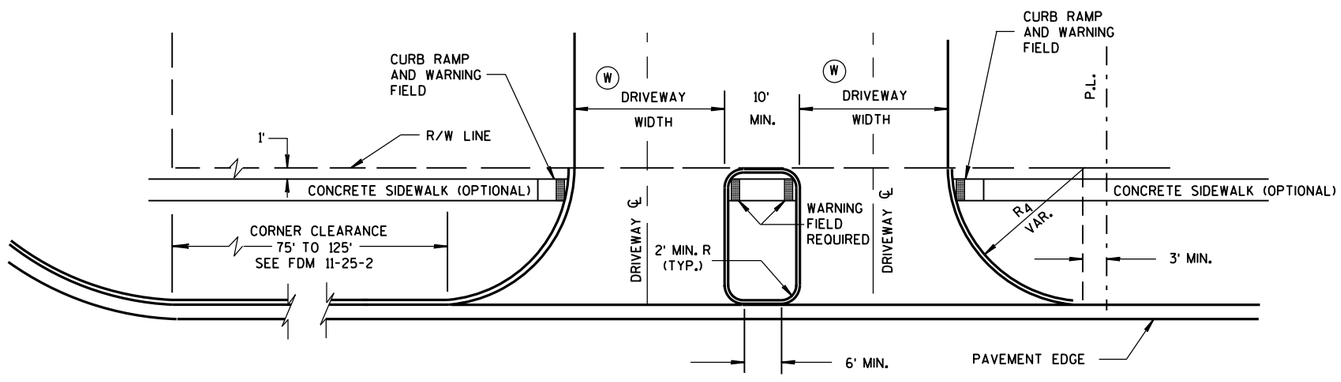




SKEWED DRIVEWAY DETAILS
(COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

Ⓦ DRIVEWAY WIDTHS:

COMMERCIAL - 35' MAX., 16' MIN.

RESIDENTIAL AND NON-COMMERCIAL - 24' MAX., 12' MIN.

DRIVEWAYS WITH CURB & GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS UNIT SUPERV
FHWA

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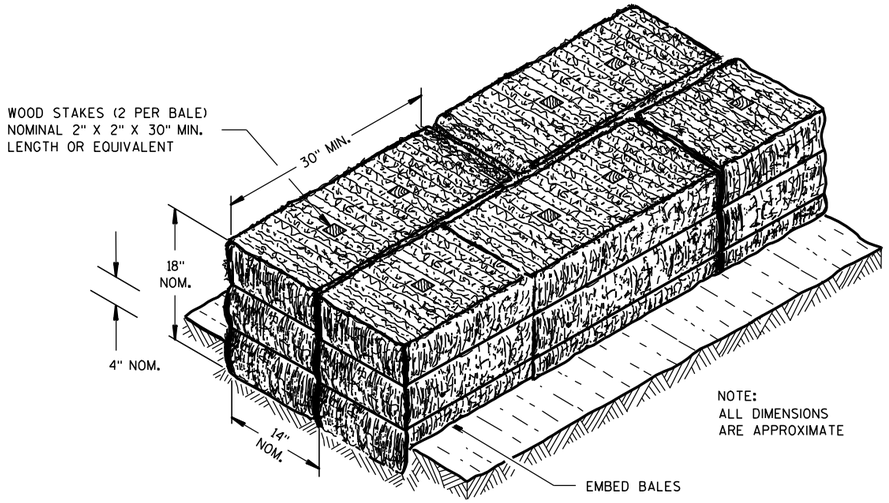
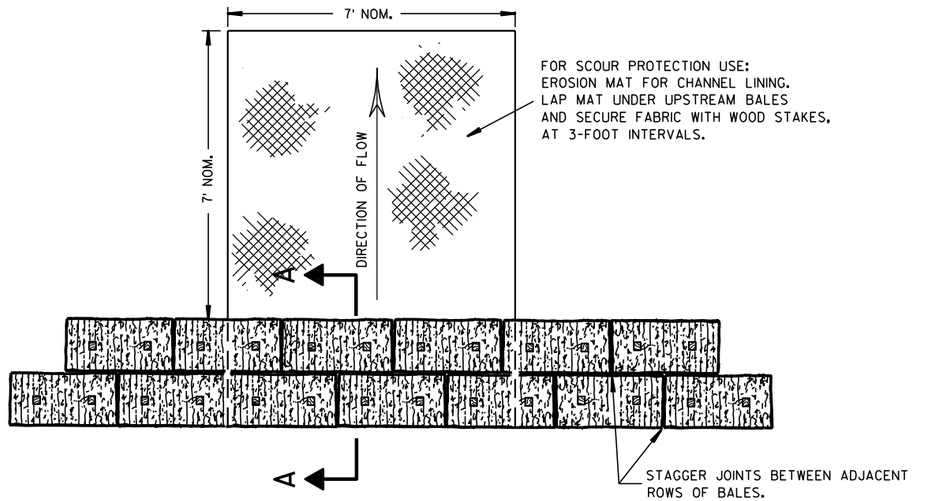
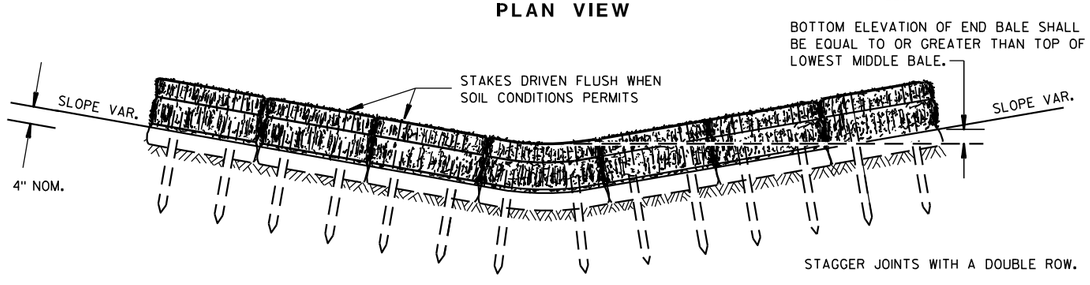


SECTION A-A



PLAN VIEW



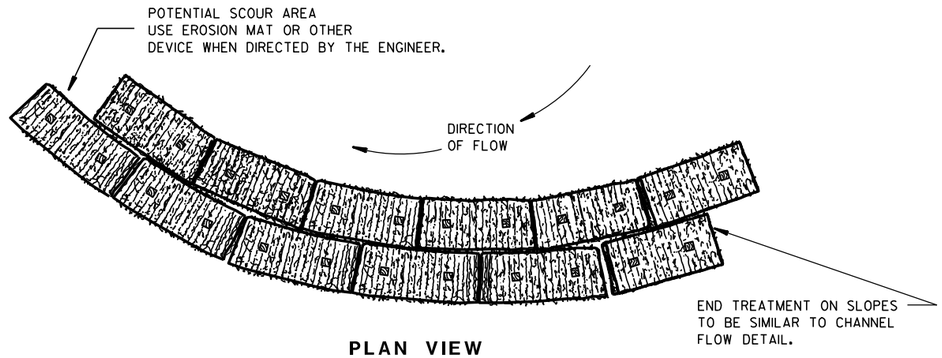
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

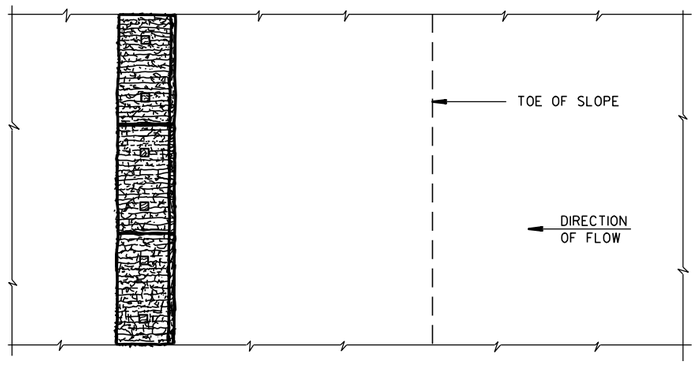
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

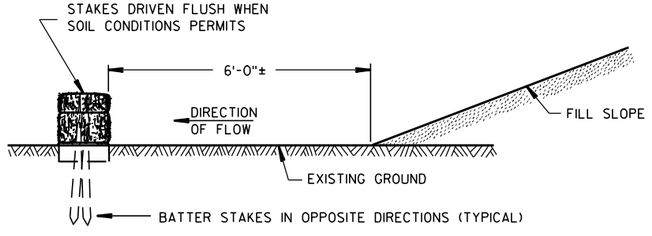


PLAN VIEW

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

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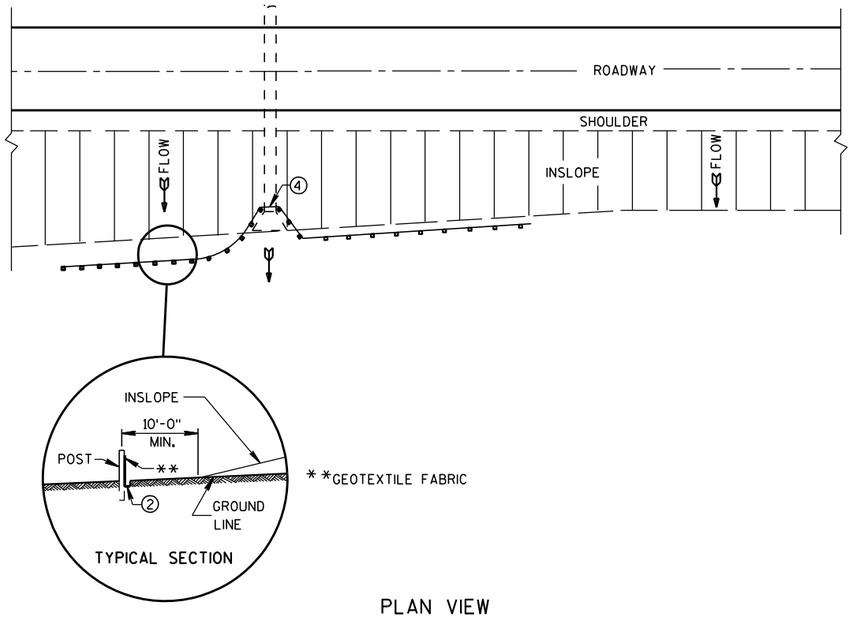
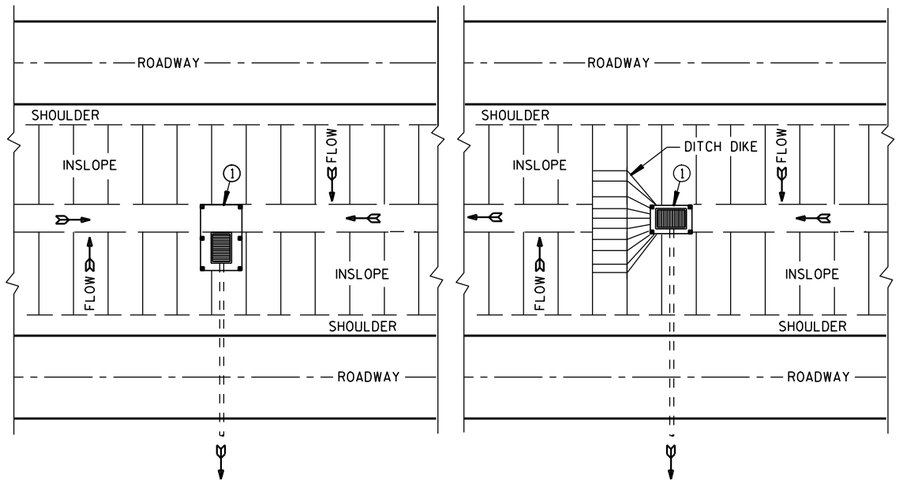
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



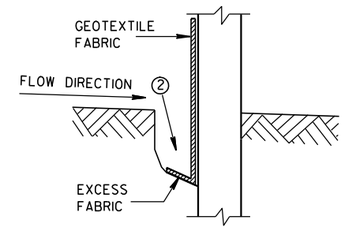
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

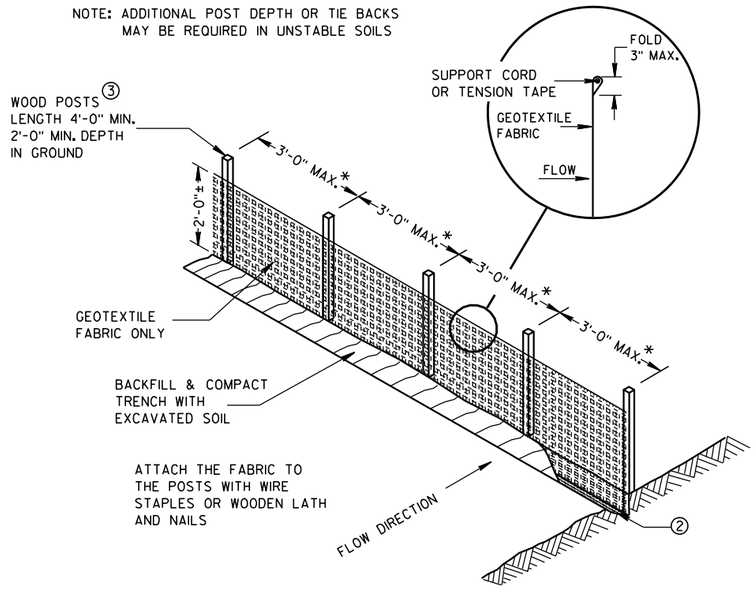
GENERAL NOTES

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.

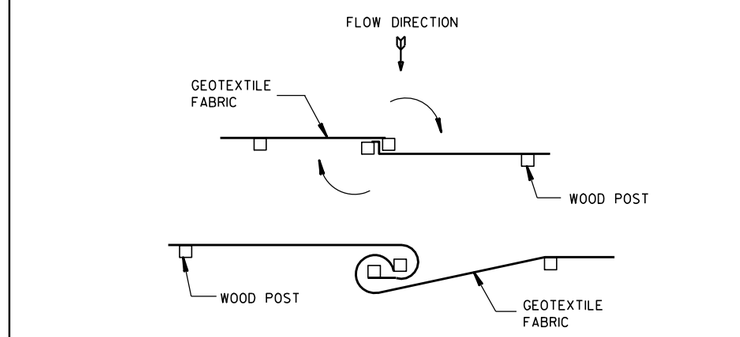


TRENCH DETAIL

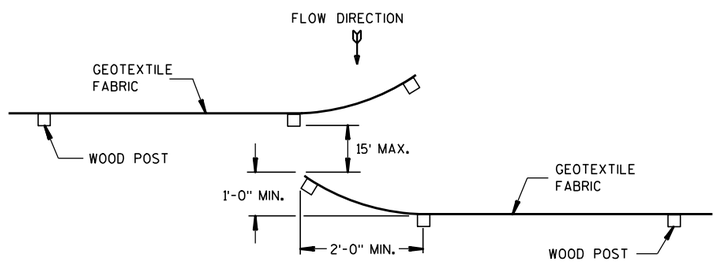


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

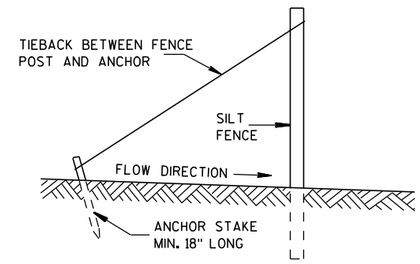


TWIST METHOD



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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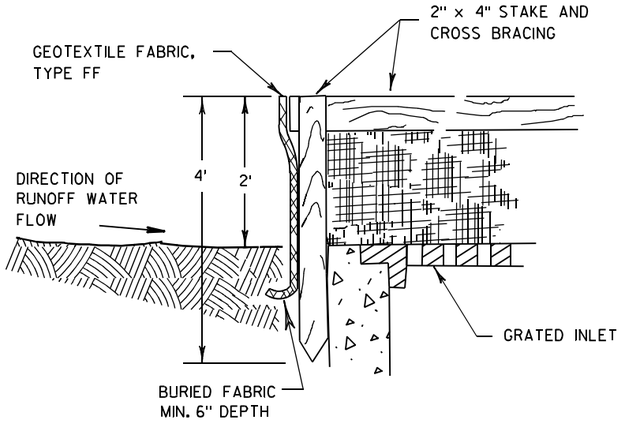
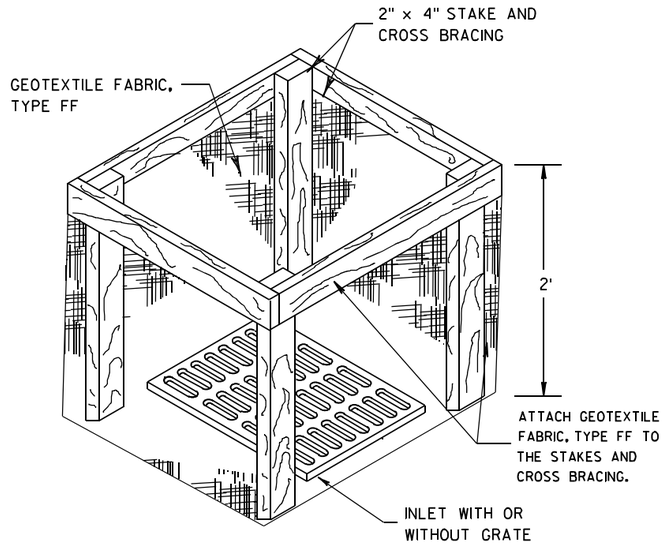
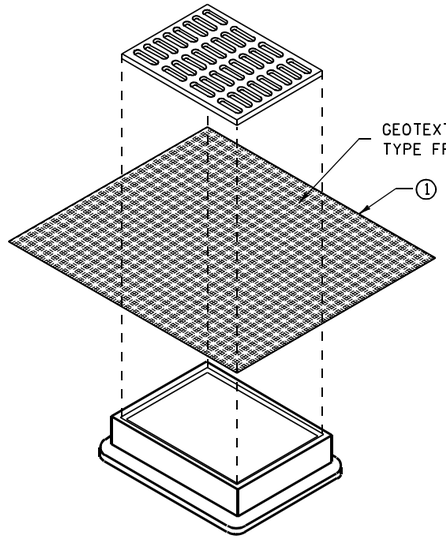
S.D.D. 8 E 9-6



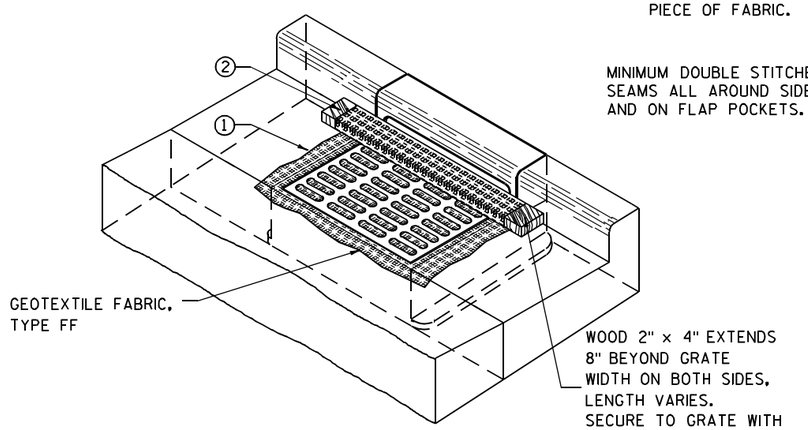


INLET PROTECTION, TYPE A

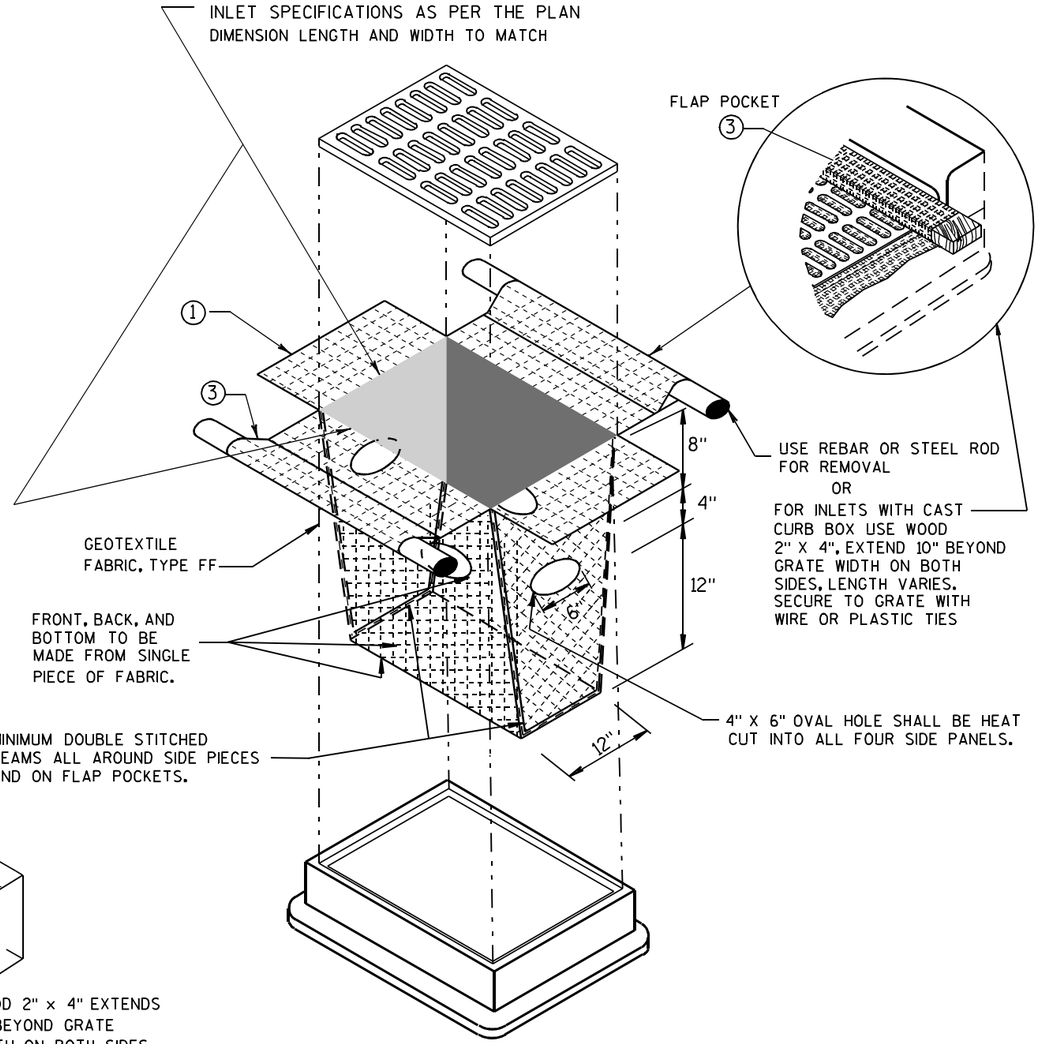


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

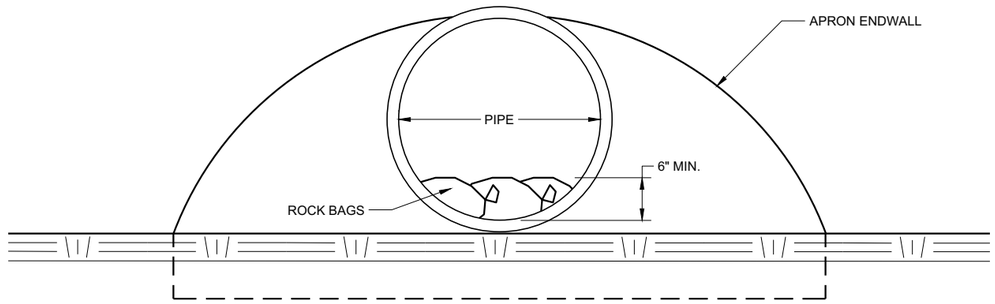
APPROVED

10/16/02
DATE

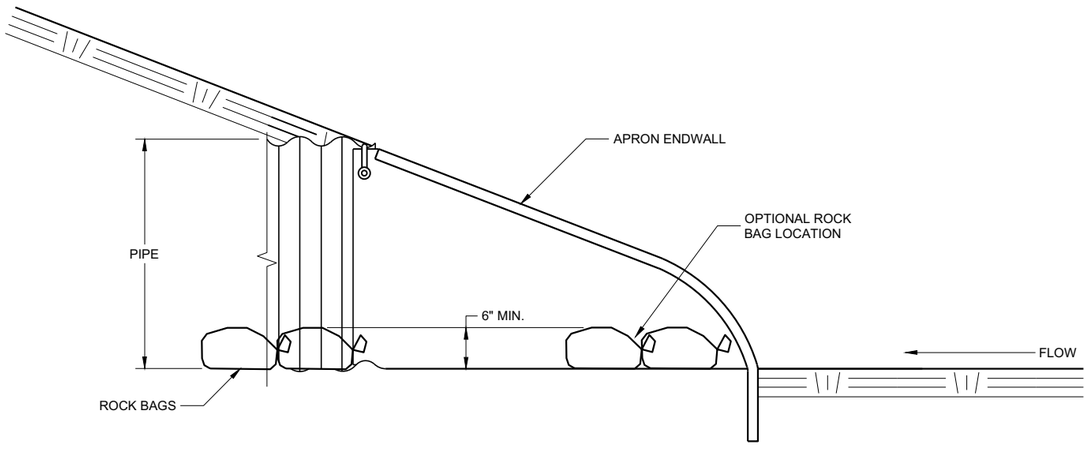
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

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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SDD 08E15 - 01

METAL APRON ENDWALLS

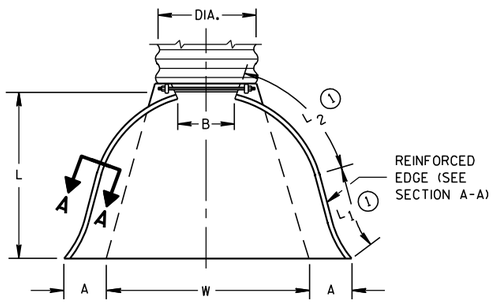
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

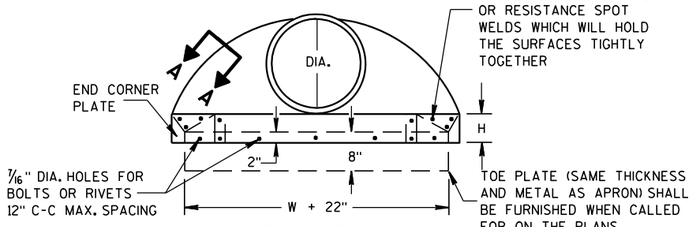
REINFORCED CONCRETE APRON ENDWALLS

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

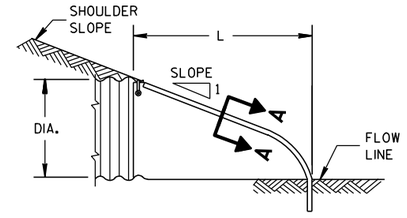
*MINIMUM
**MAXIMUM



PLAN VIEW

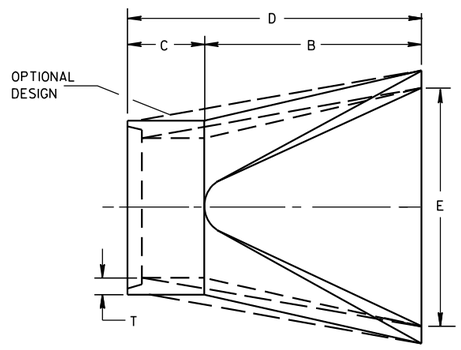


END VIEW

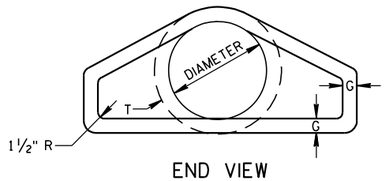


SIDE ELEVATION

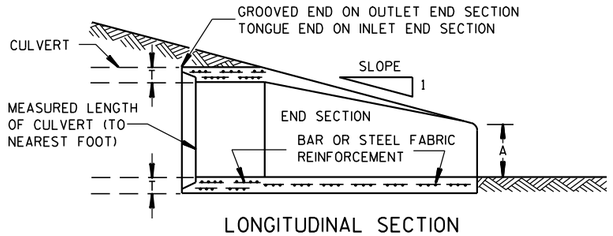
METAL ENDWALLS



PLAN

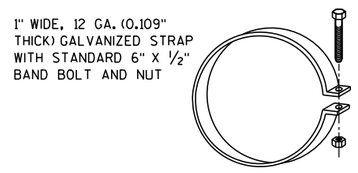


END VIEW



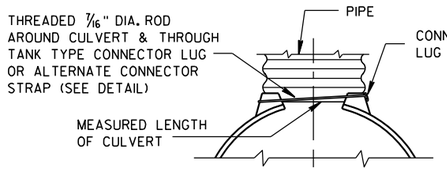
LONGITUDINAL SECTION

CONCRETE ENDWALLS

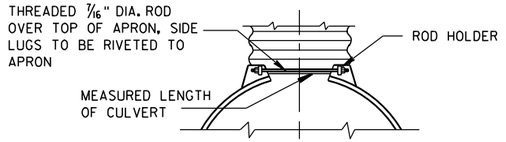


ALTERNATE FOR TYPE 1 CONNECTION

END SECTION CONNECTOR STRAP

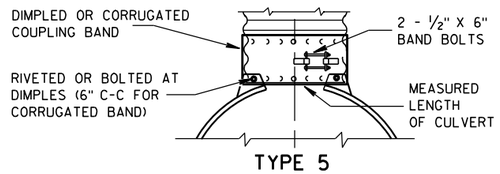


TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

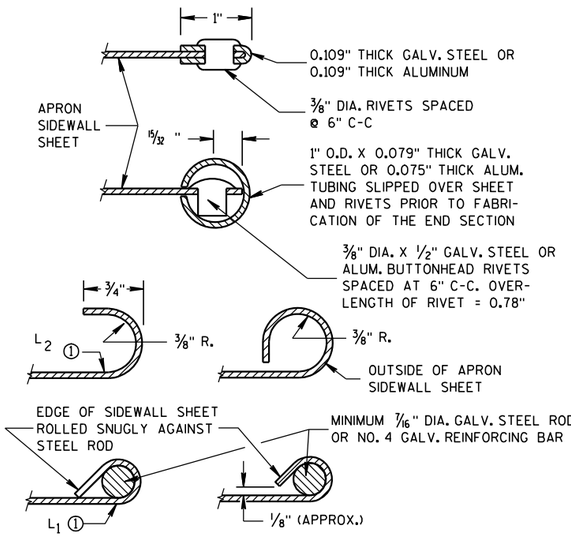
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

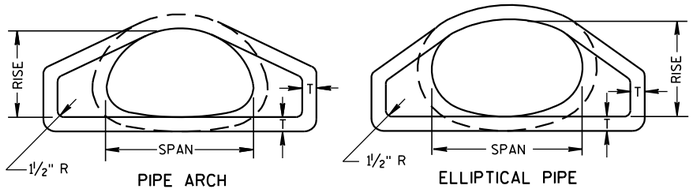
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

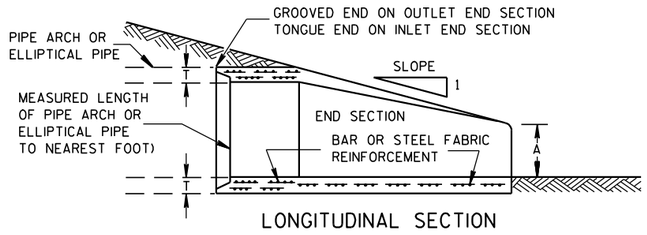
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

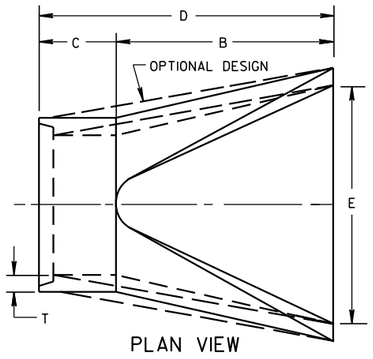
6
S.D.D. 8 F 1-11



END VIEW

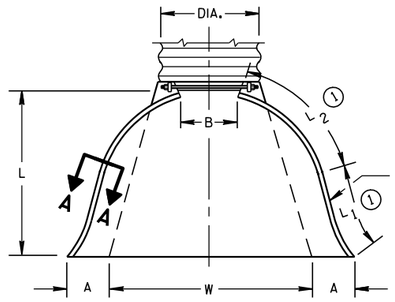


LONGITUDINAL SECTION

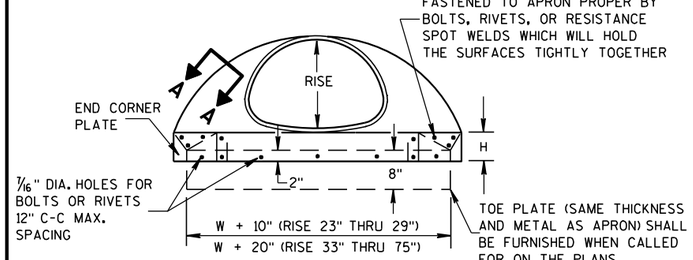


PLAN VIEW

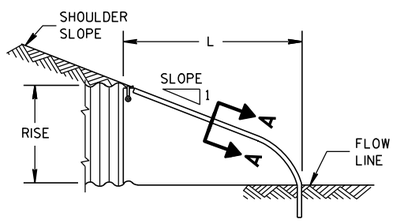
CONCRETE ENDWALLS



PLAN VIEW

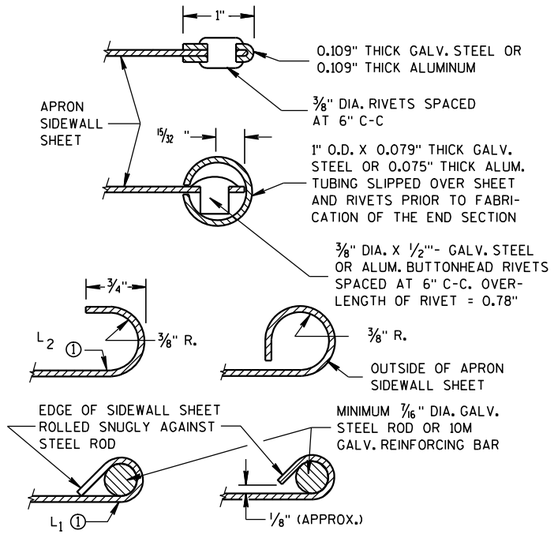


END VIEW



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

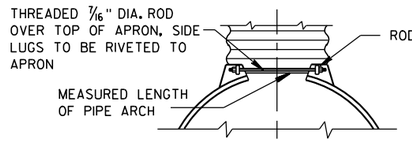
REINFORCED CONCRETE PIPE ARCH

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

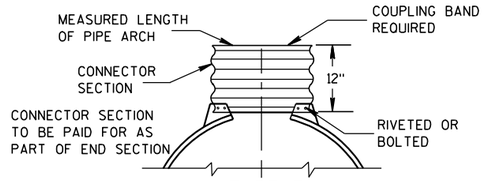
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



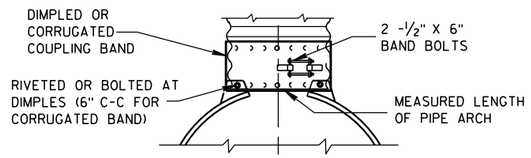
TYPE 2

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

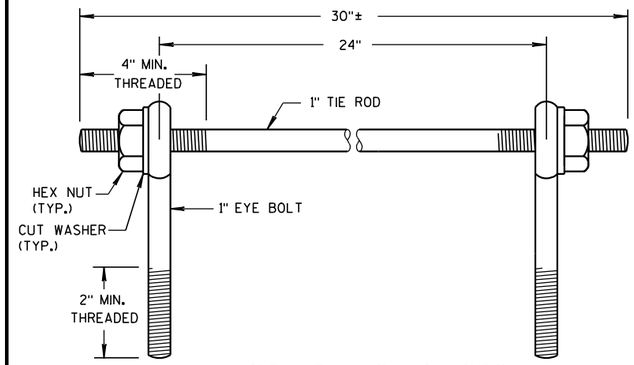
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

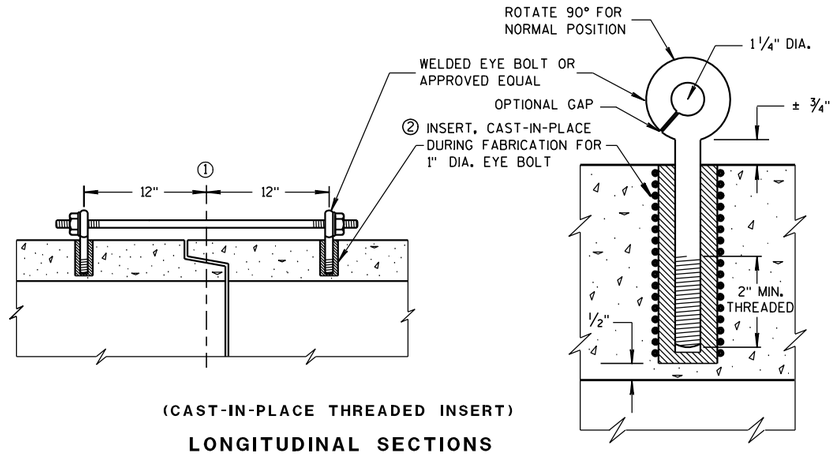
11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA



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 ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

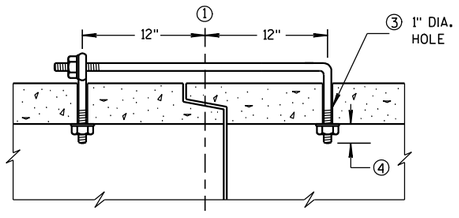
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

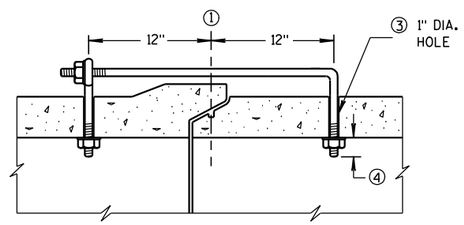
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

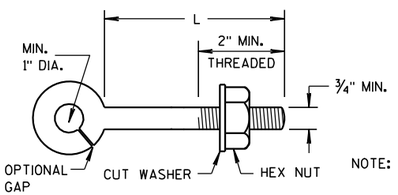


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

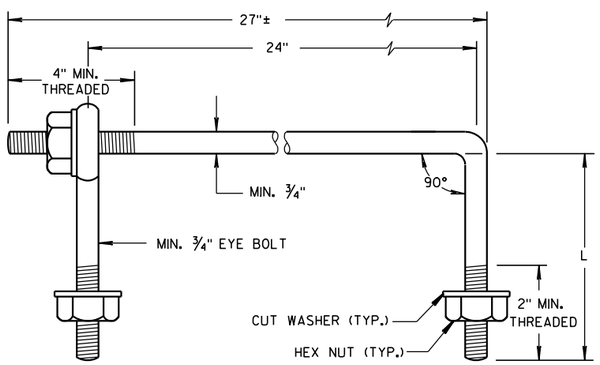
EYE BOLT DIMENSION TABLE

PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

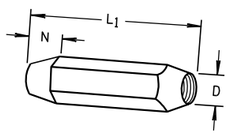
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

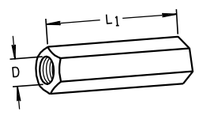
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



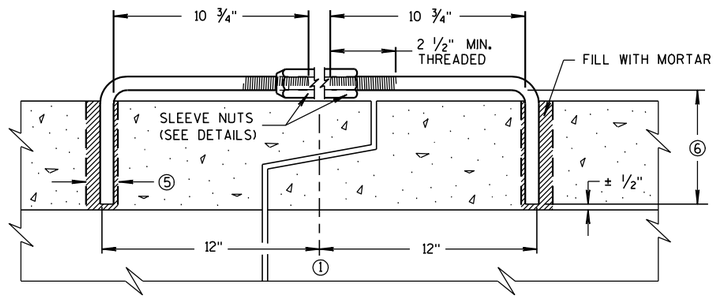
TAPERED



PLAIN

RIGHT AND LEFT THREADS

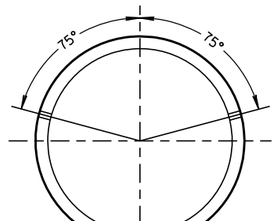
SLEEVE NUTS



LONGITUDINAL SECTION

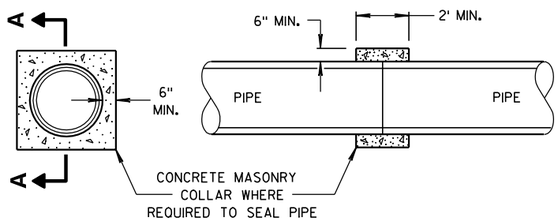
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS 99 ENGINEER
'MENT
FHWA

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S.D.D. 8 F 4-7

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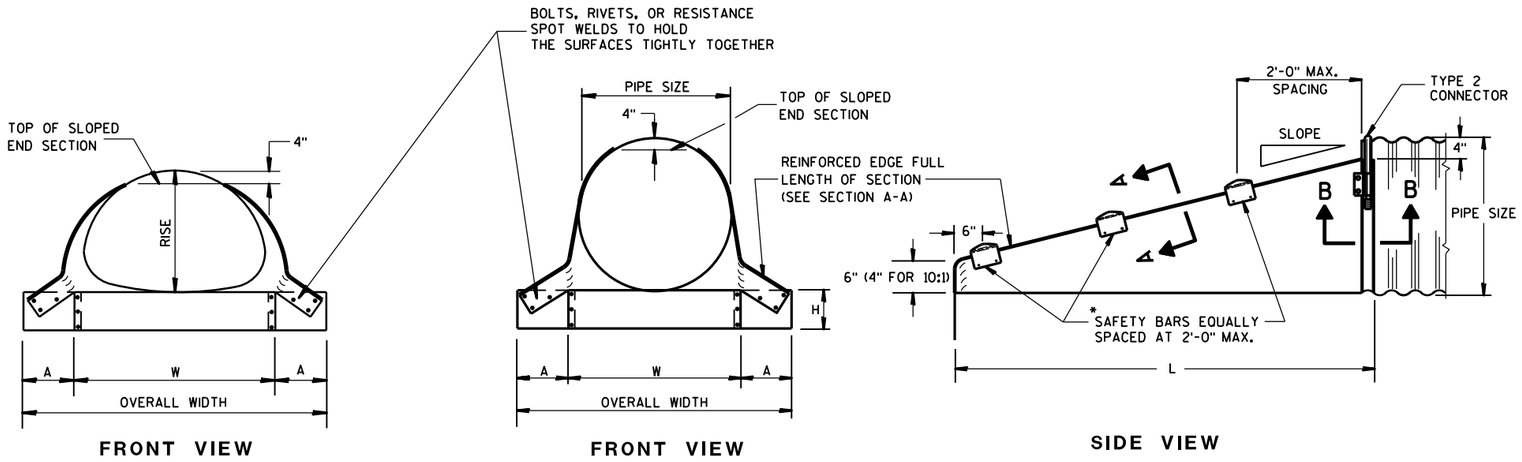
S.D.D. 8 F 4-7



GENERAL NOTES

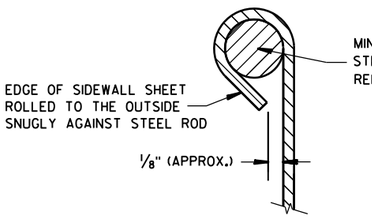
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

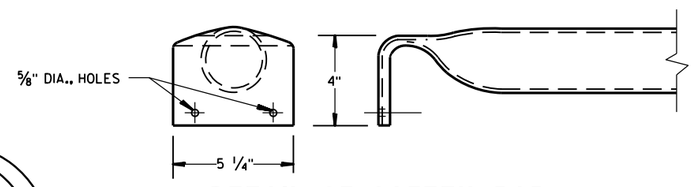
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	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.

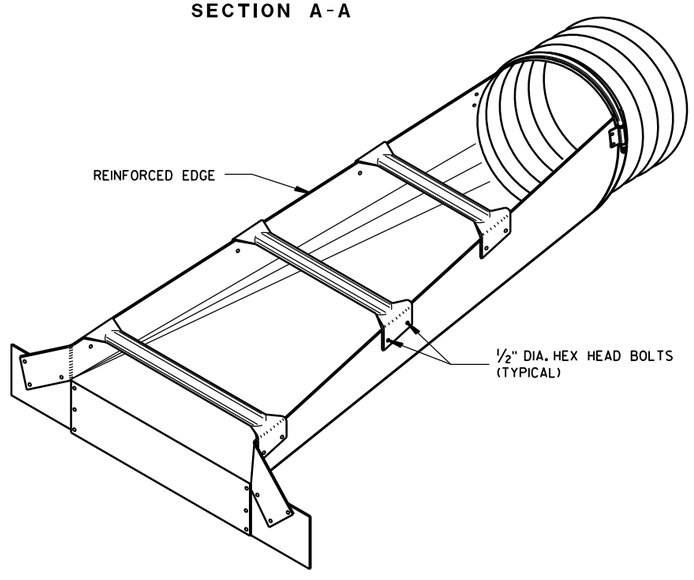


DETAIL OF SAFETY BAR

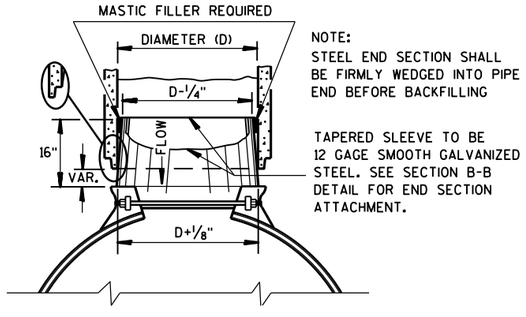
STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS

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	——	——

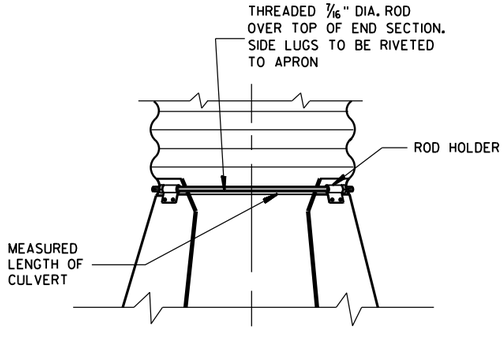
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



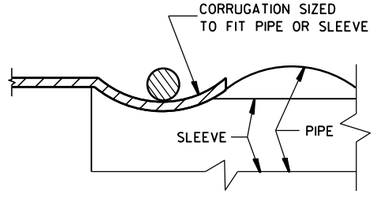
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



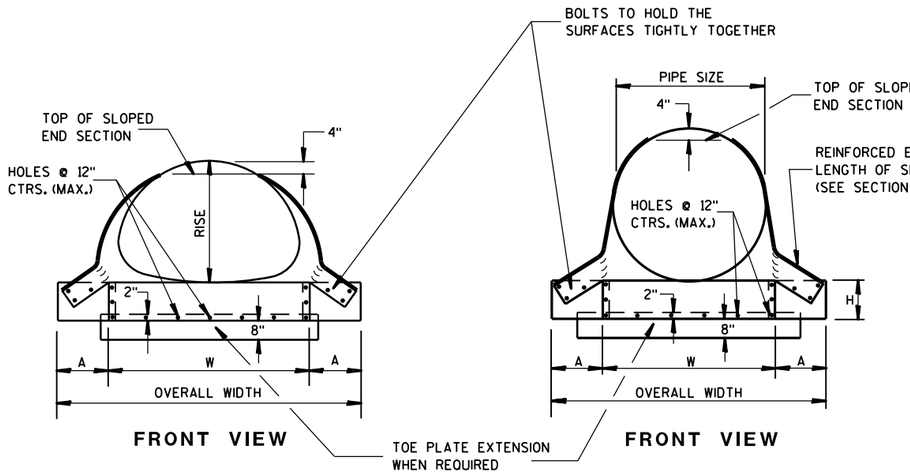
SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

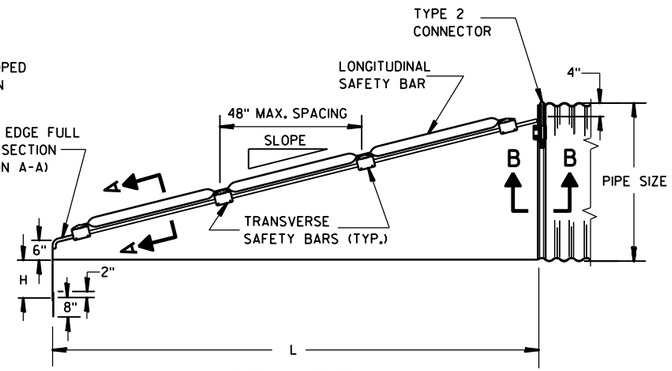
APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 7-5



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

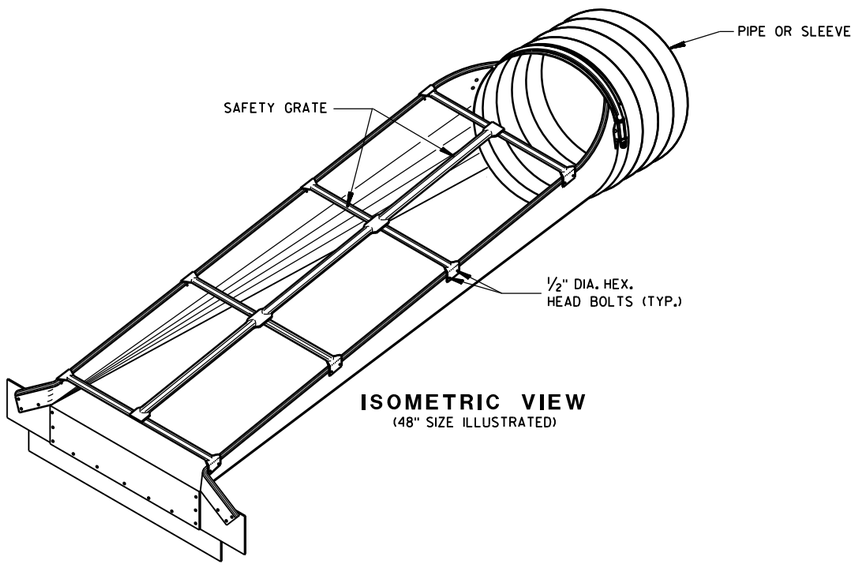
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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.

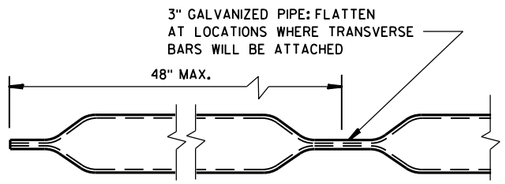
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

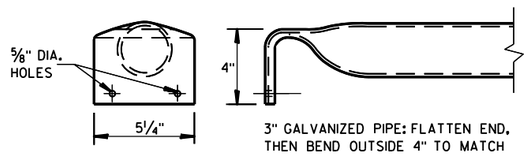
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



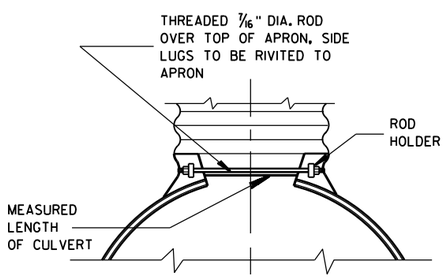
LONGITUDINAL SAFETY BAR



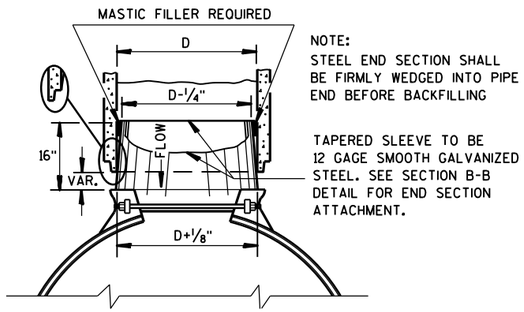
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

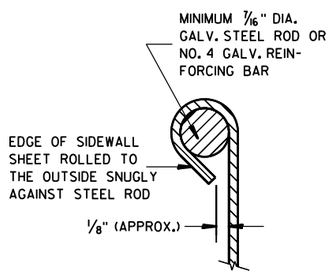
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	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



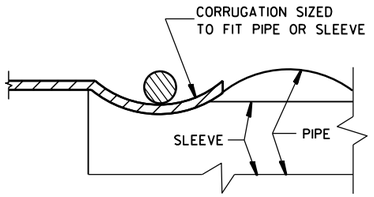
TYPE 2 CONNECTOR DETAIL



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

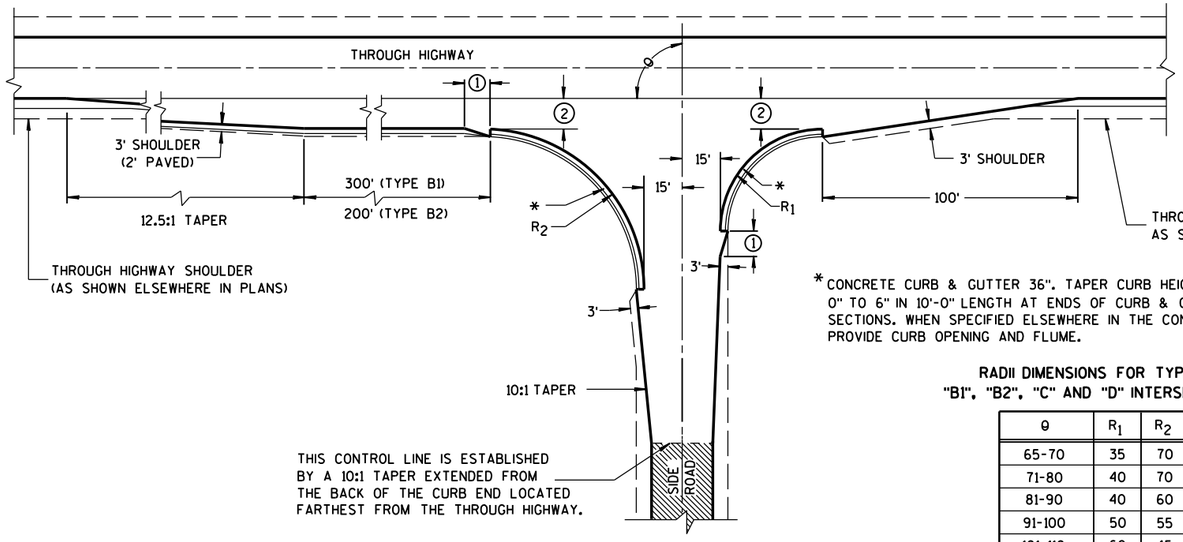
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 F 8-2

6

S.D.D. 8 F 8-2

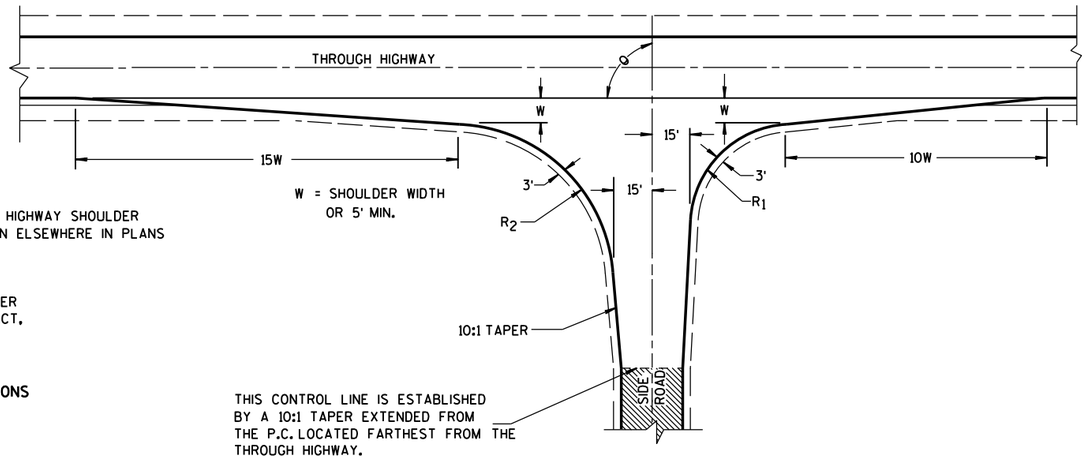


TYPE "B1" AND "B2"

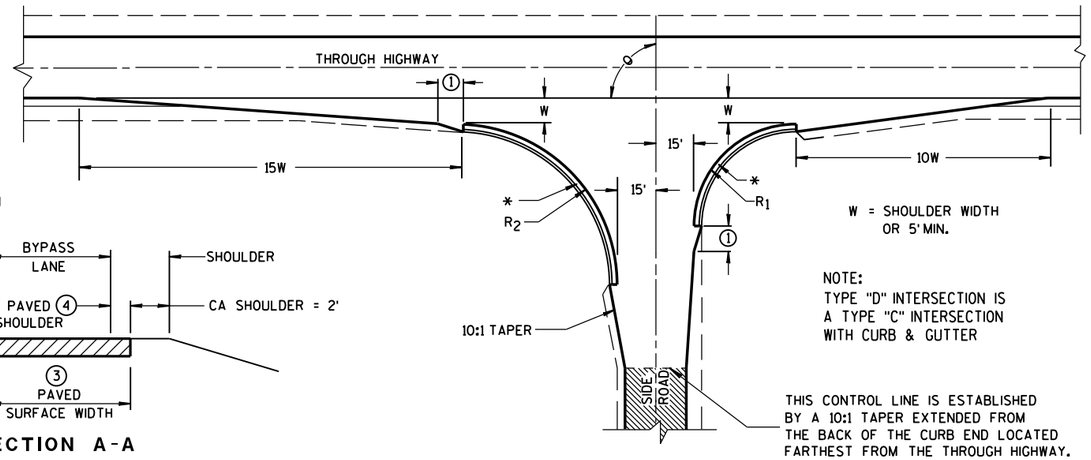
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

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



TYPE "C"



TYPE "D"

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.

EXISTING PAVED SURFACE

BYPASS LANE

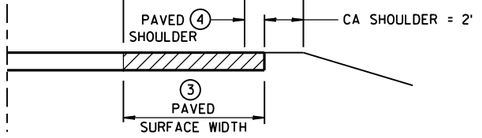
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

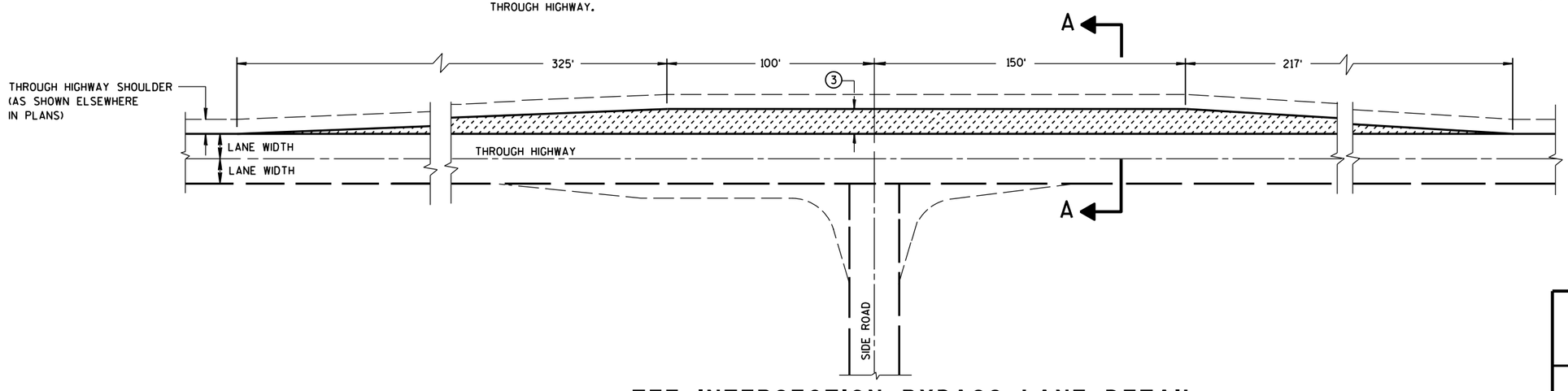
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 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.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



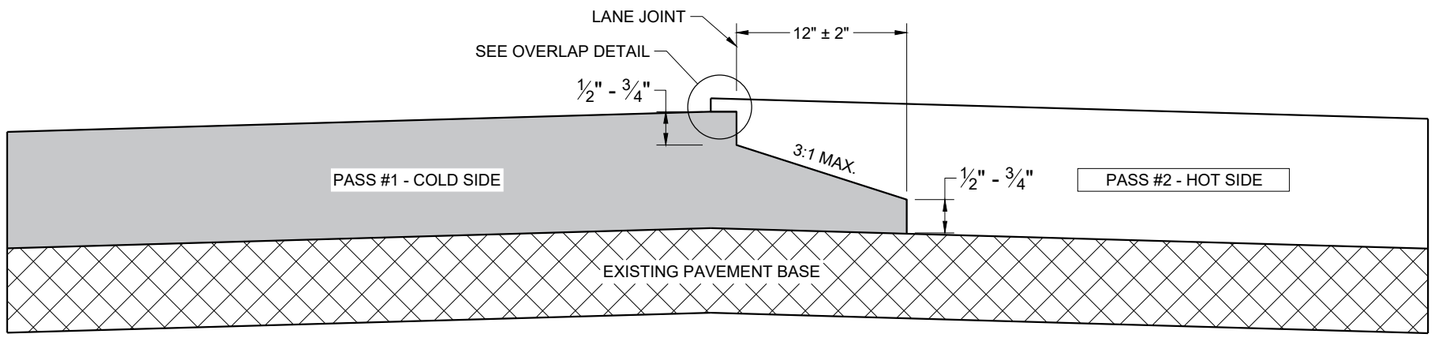
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

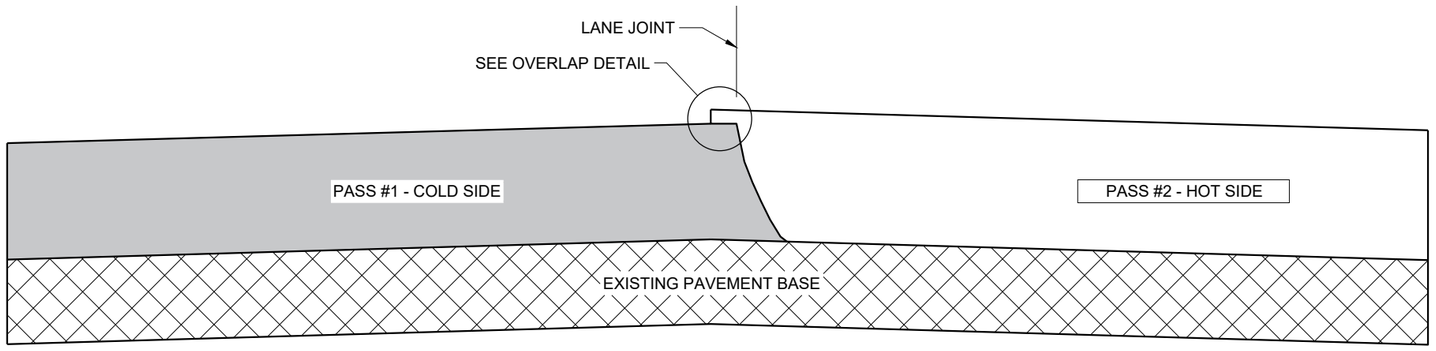
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

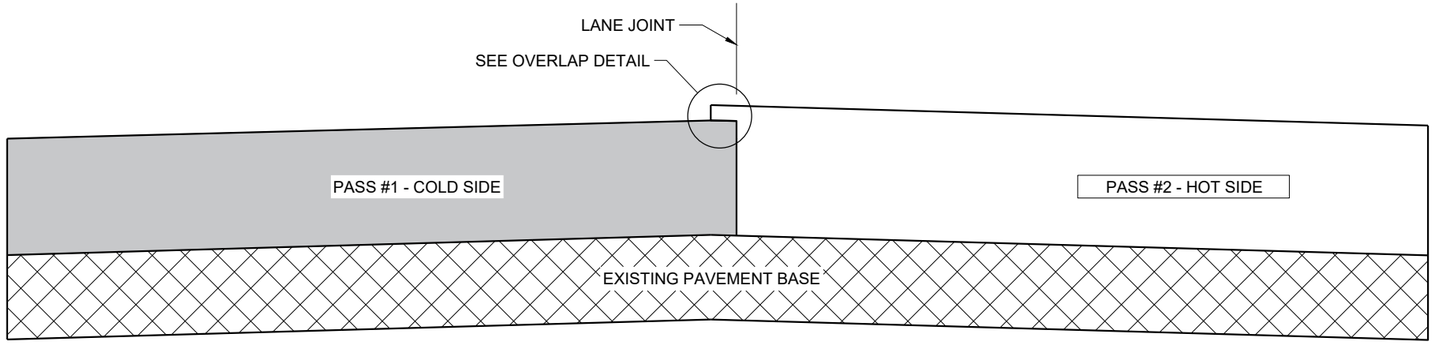
S.D.D. 9 A 1-13a



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

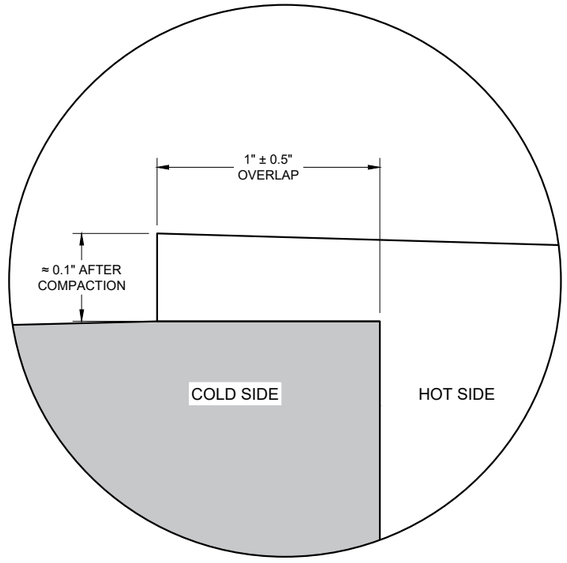
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

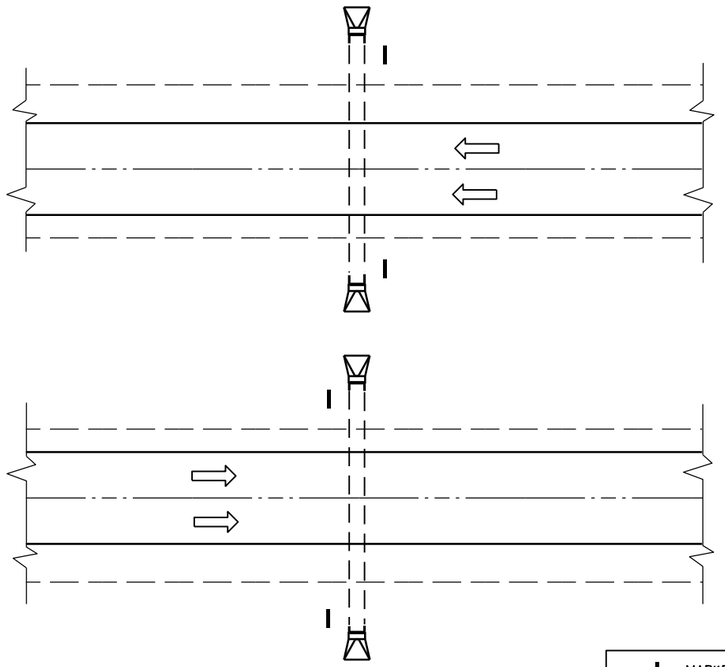
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

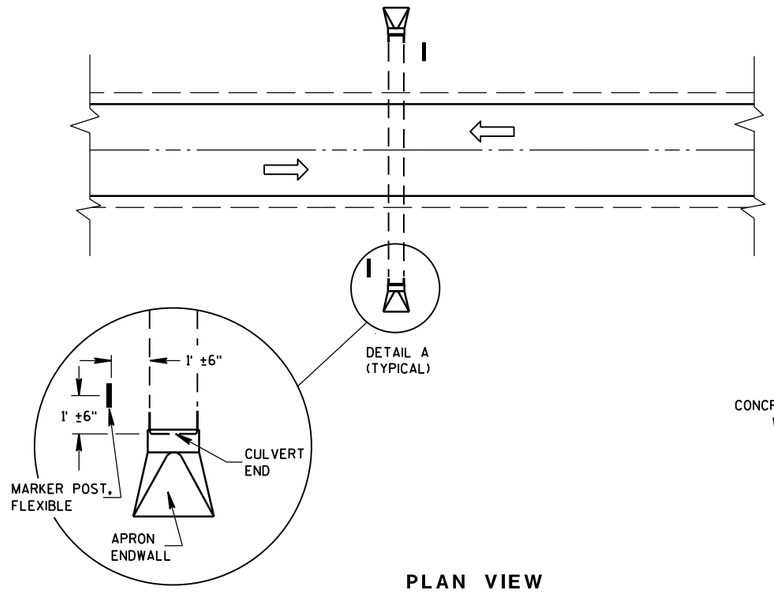
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

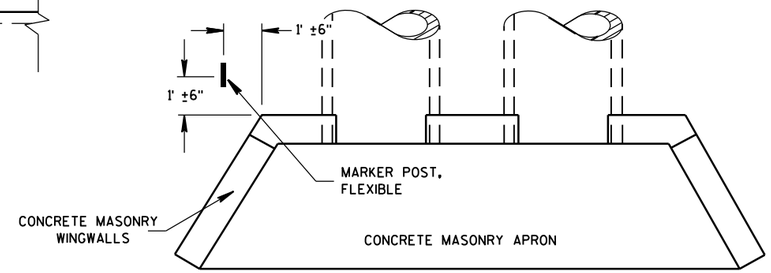
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

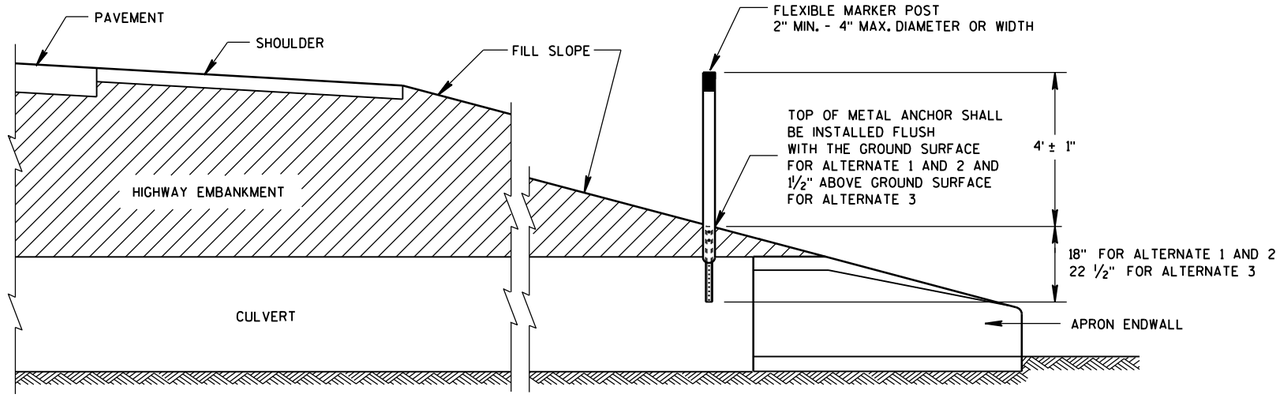
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

6

S.D.D. 15 A 3-2a

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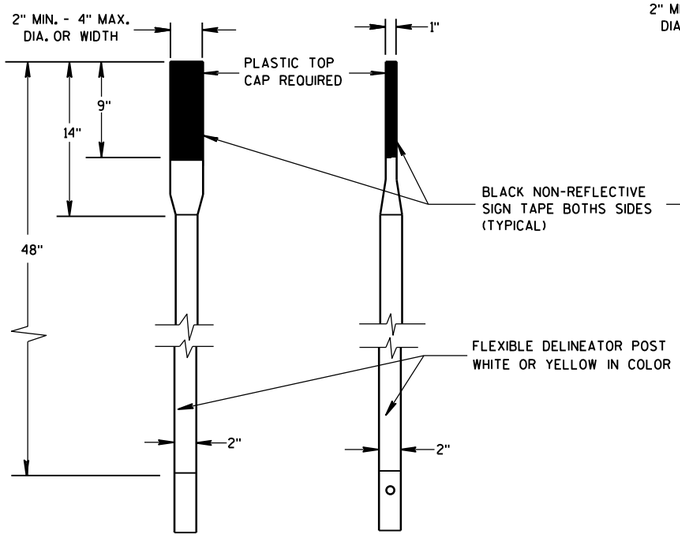
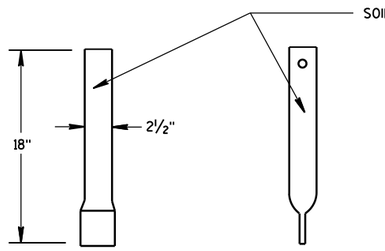
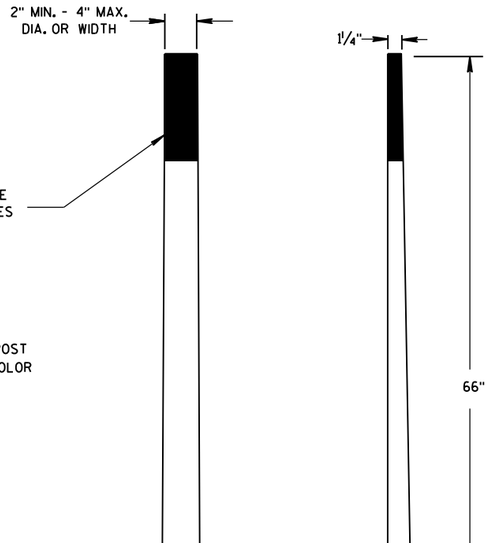
S.D.D. 15 A 3-2a





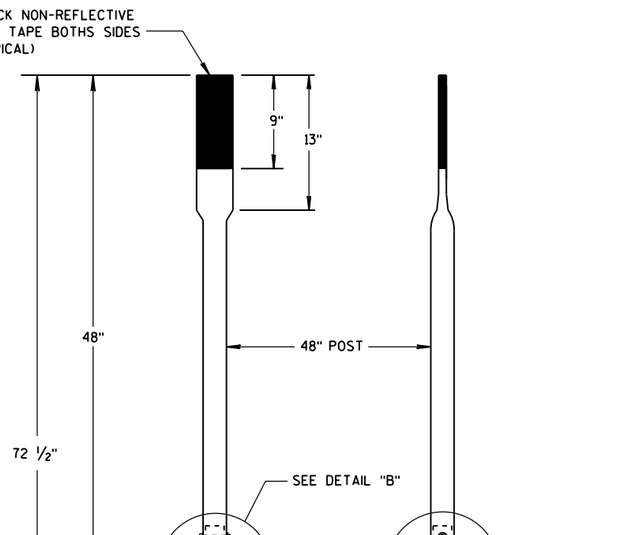
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

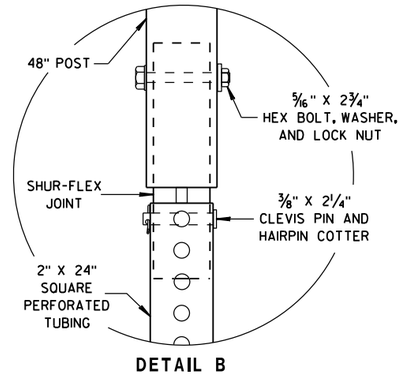
ALTERNATE 2



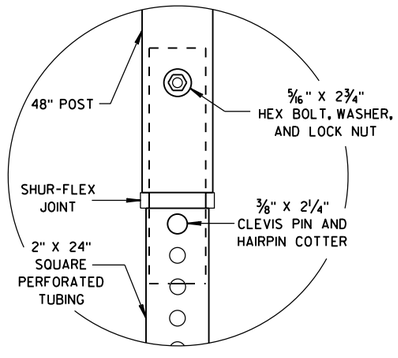
FRONT VIEW SIDE VIEW

ALTERNATE 3

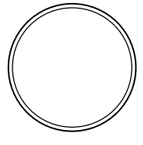
FLEXIBLE MARKER POSTS



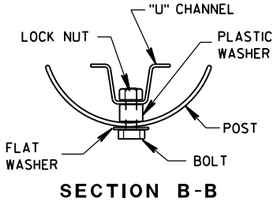
DETAIL B



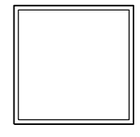
DETAIL C



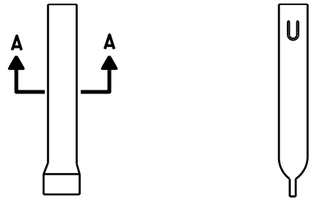
SECTION A-A



SECTION B-B

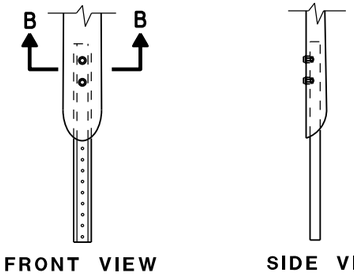


SECTION C-C



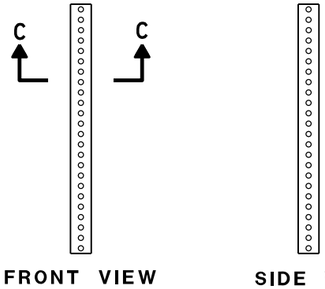
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

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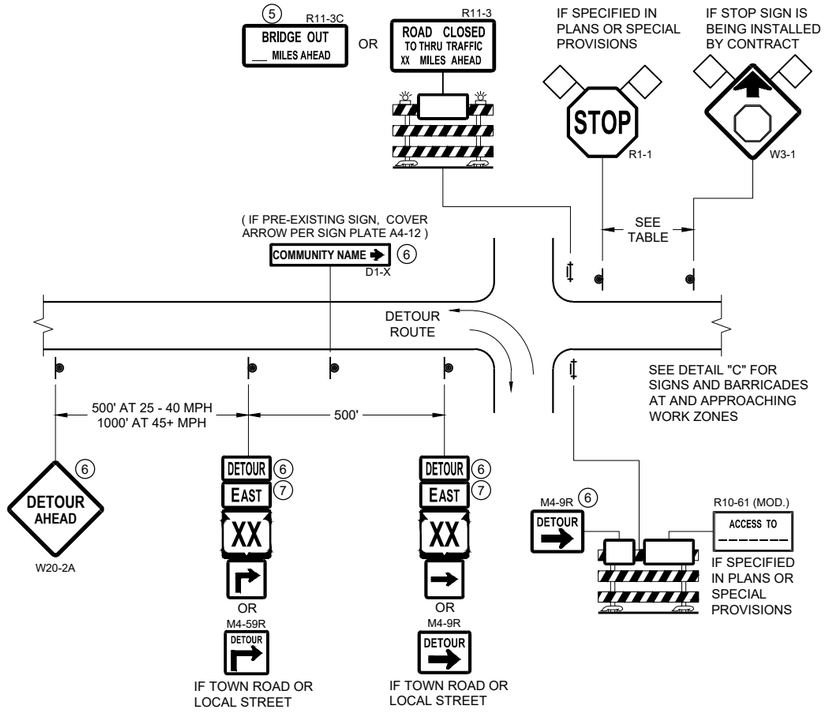
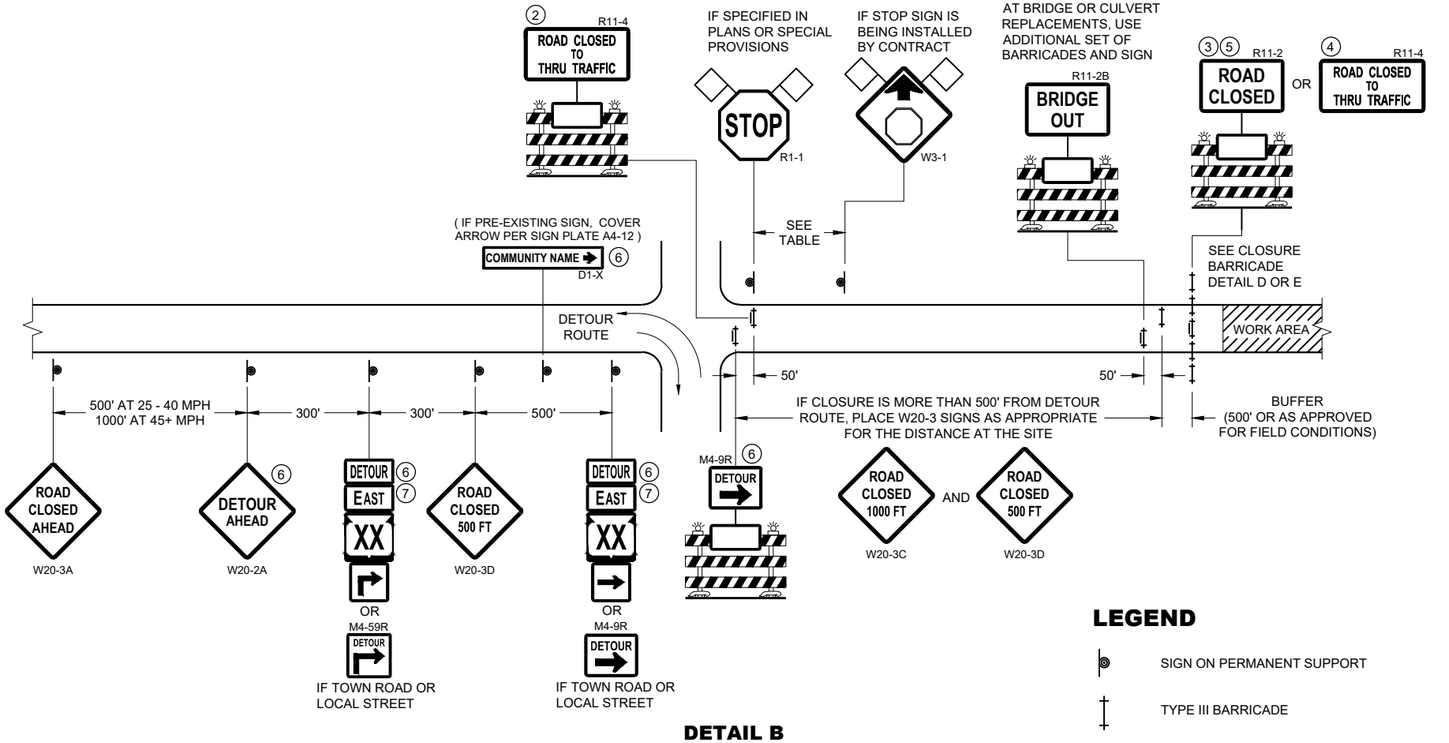
S.D.D. 15 A 3-2b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

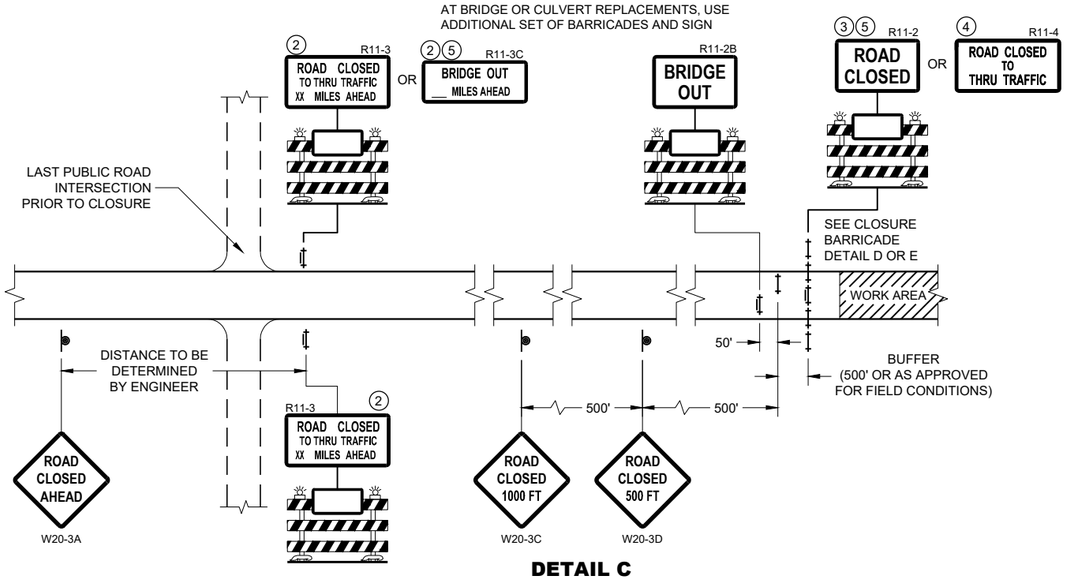


DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

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



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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

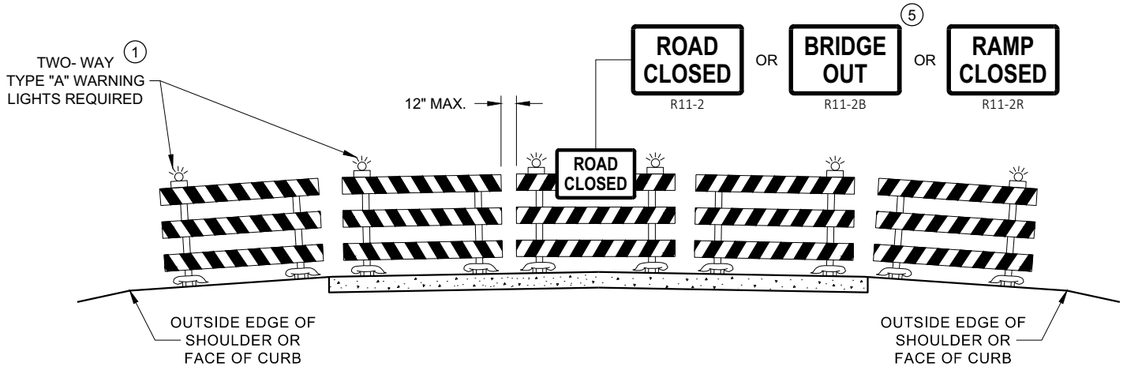
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

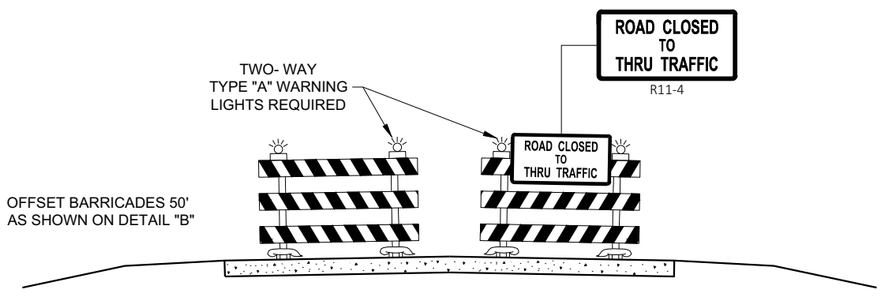
FHWA

SDD 15C02 - 08a

SDD 15C02 - 08a



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
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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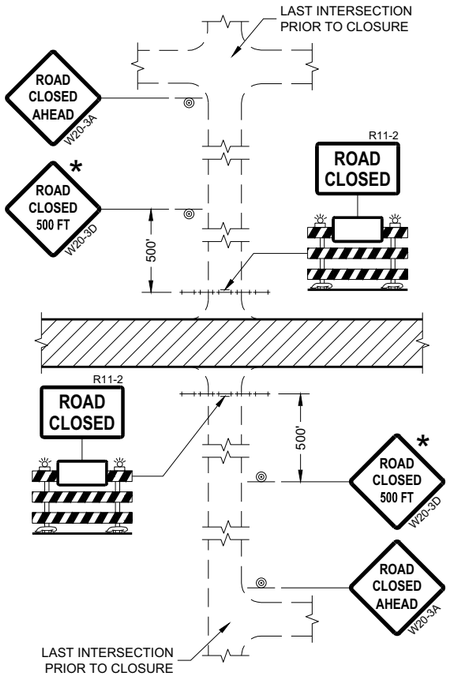
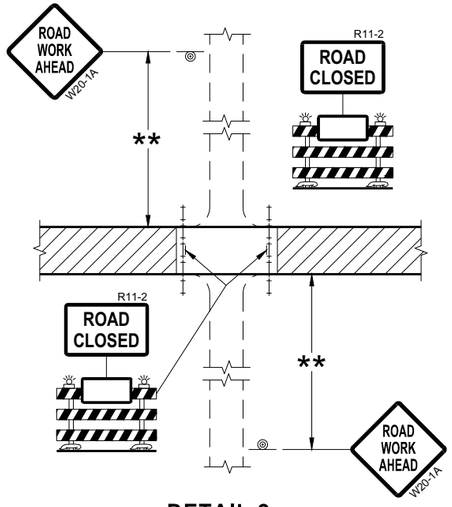
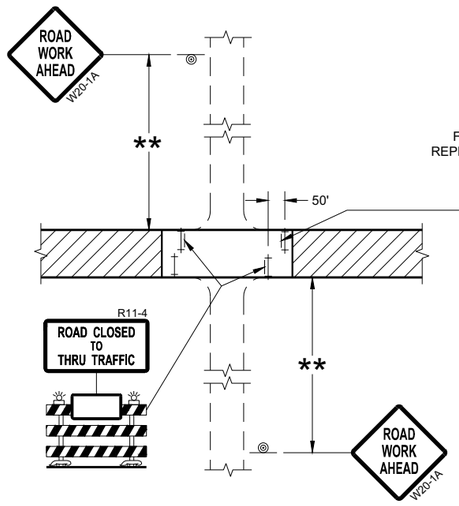
SDD 15C02 - 08b



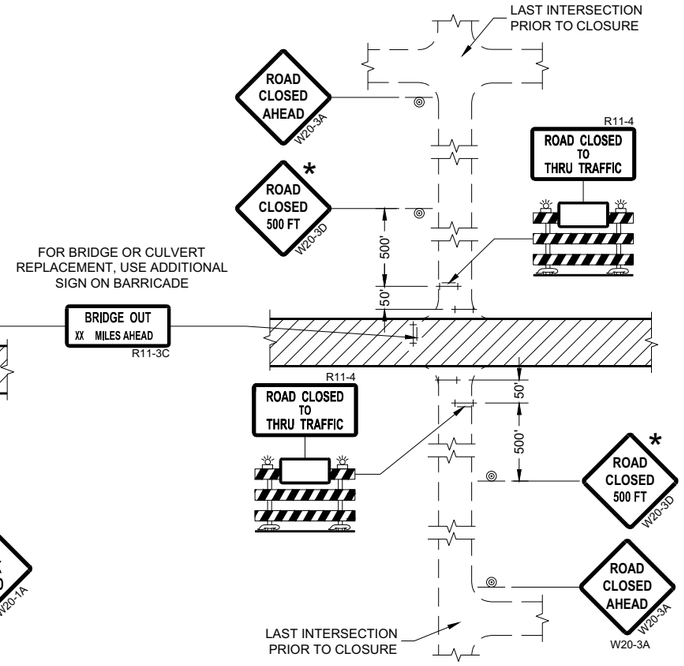
DETAIL 1
(NO ACCESS TO PROJECT)



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

6

SDD 15C03 - 05

6

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

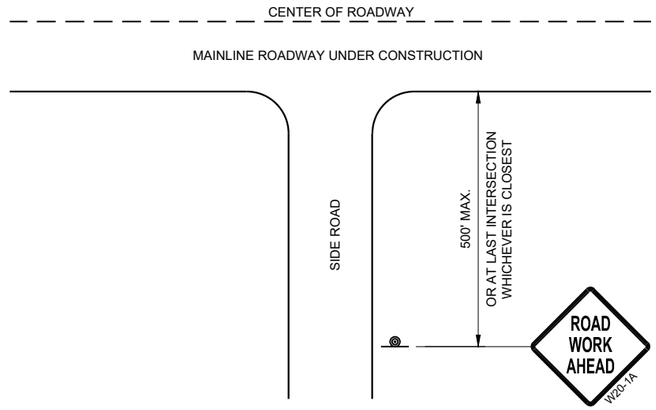
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



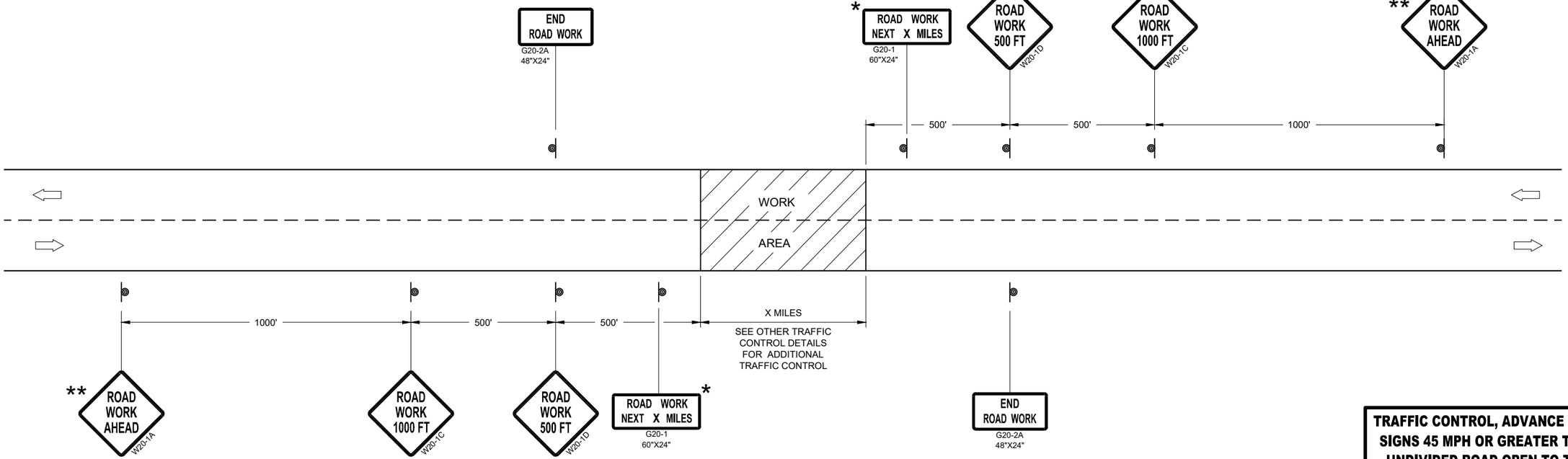
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

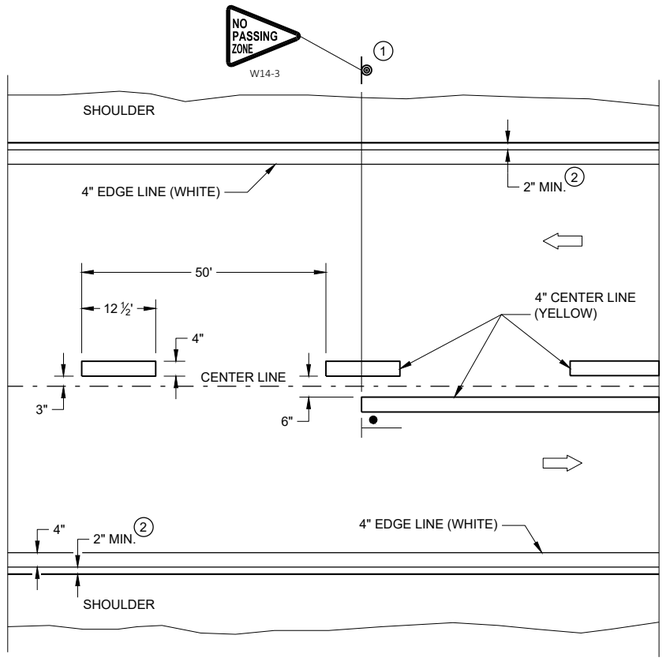
APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

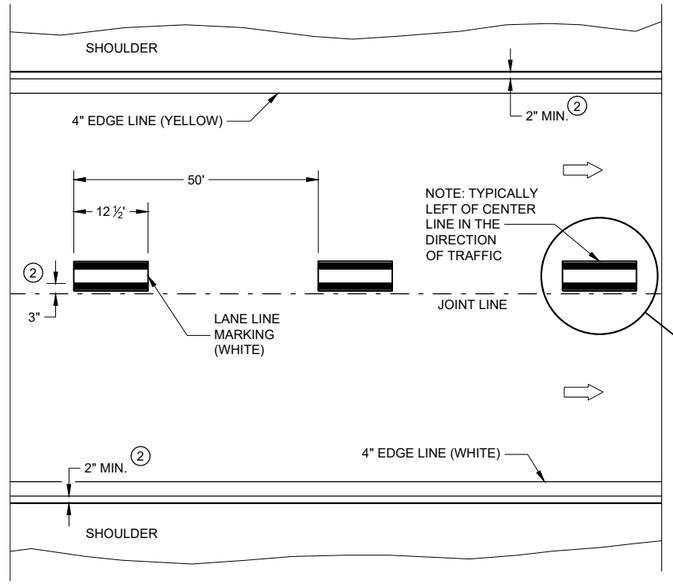
FHWA

6

SDD 15C04 - 05

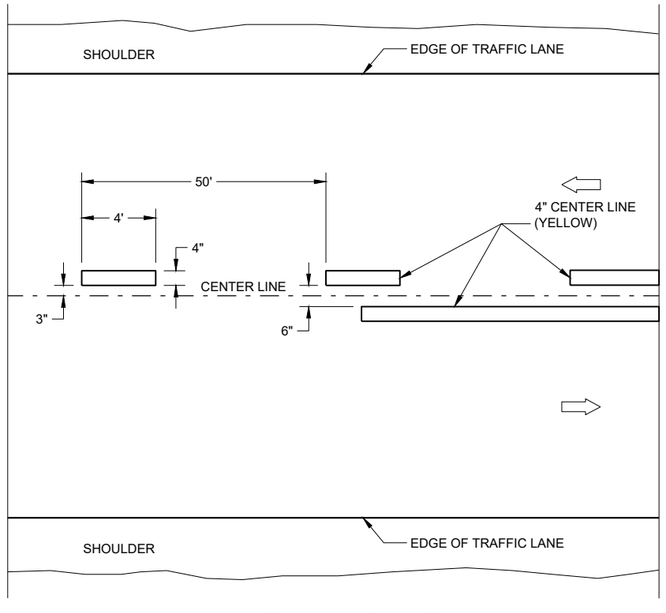


TWO WAY TRAFFIC

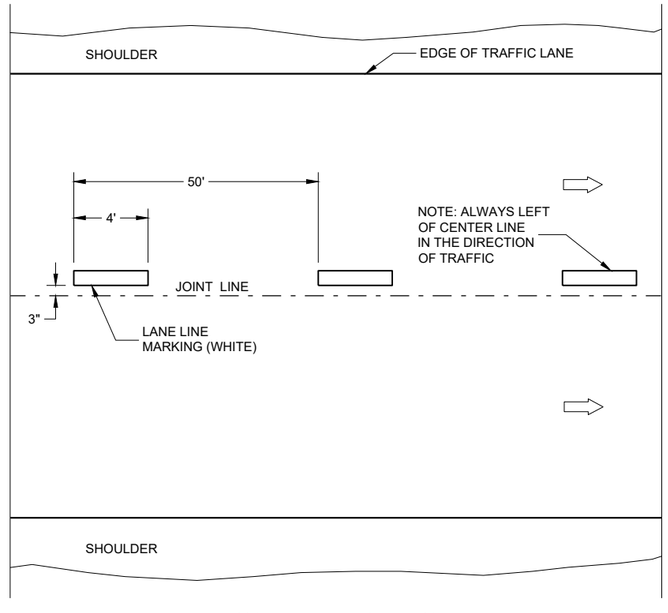


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

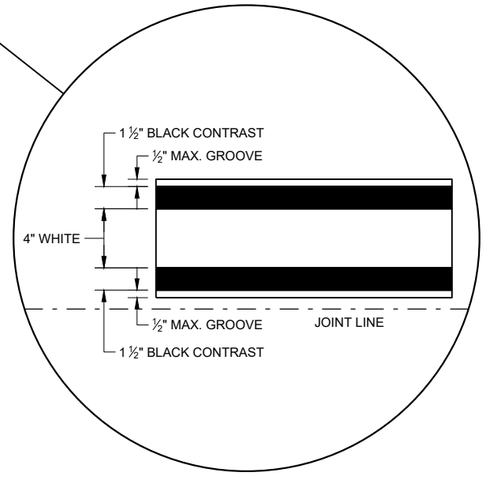
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

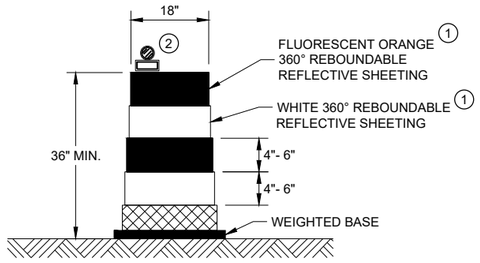
FHWA

SDD 15C08 - 20a

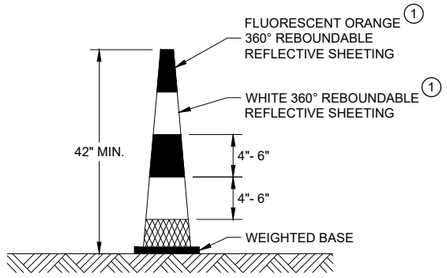
SDD 15C08 - 20a

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.

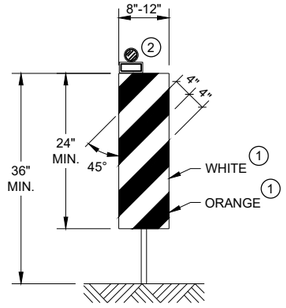


DRUM



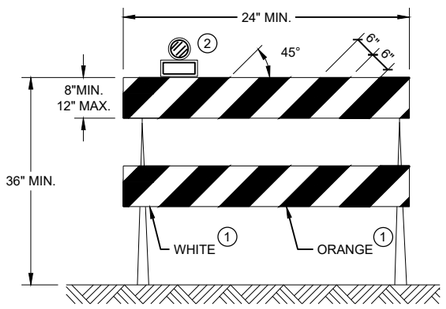
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



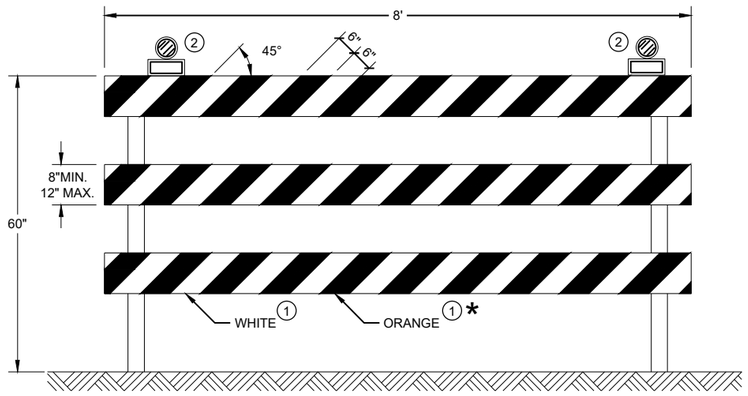
VERTICAL PANEL

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
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 09b

6

SDD 15C11 - 09b

LEGEND

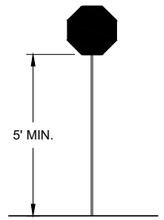
SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



STOP/SLOW PADDLE 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 SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

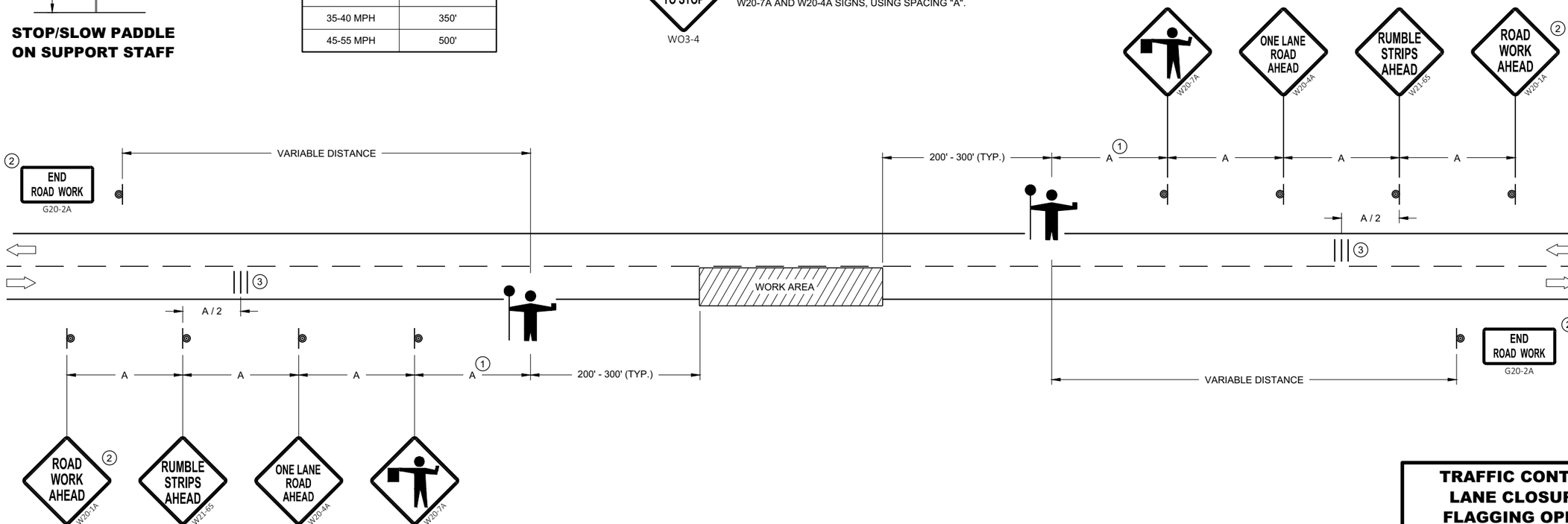
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

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

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C12 - 07

SDD 15C12 - 07

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.

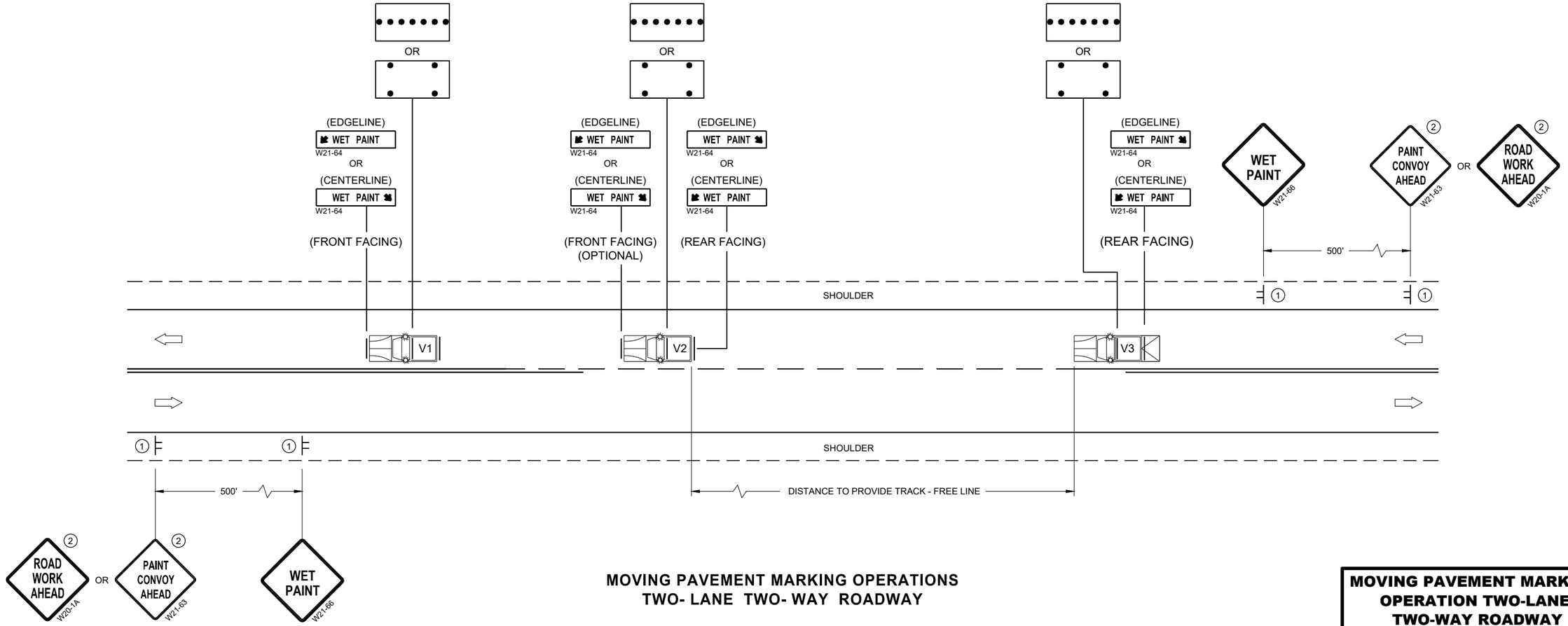
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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.



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
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C19 - 06a

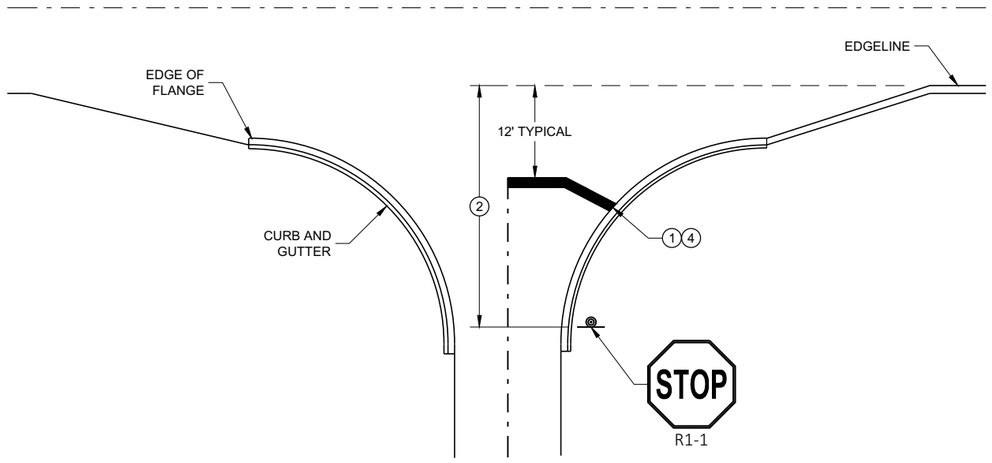
6

SDD 15C19 - 06a

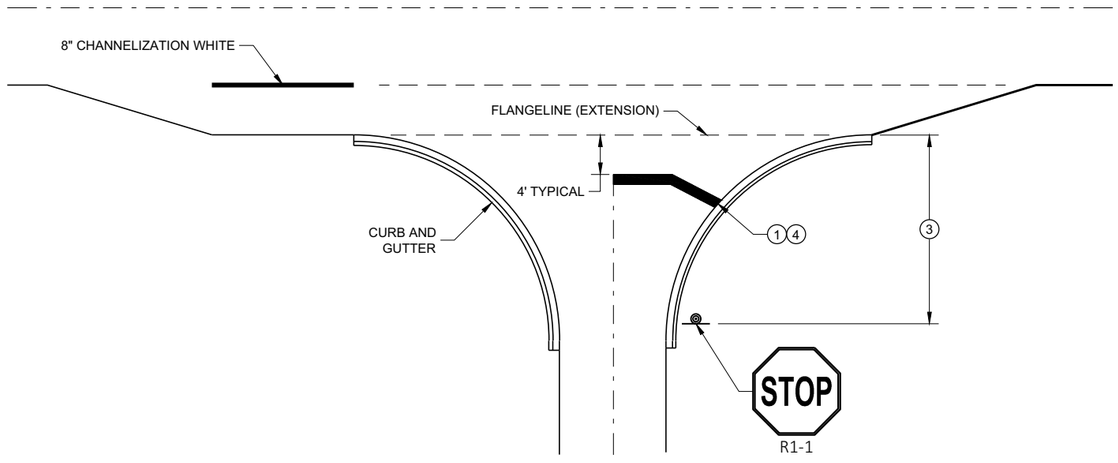
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

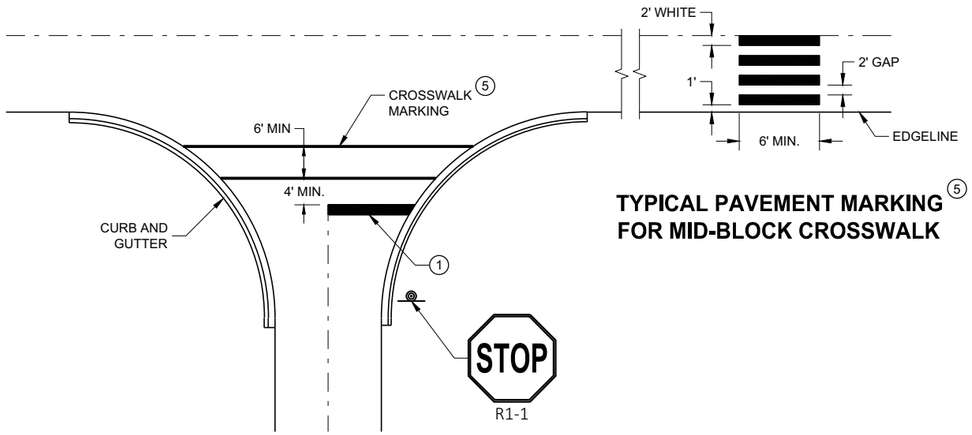
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

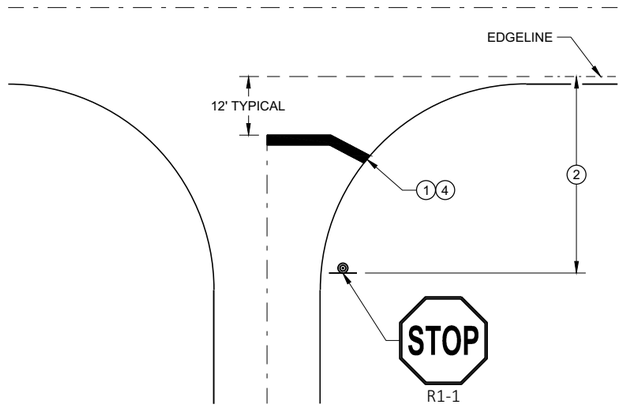


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS 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
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C33 - 04

6

SDD 15C33 - 04

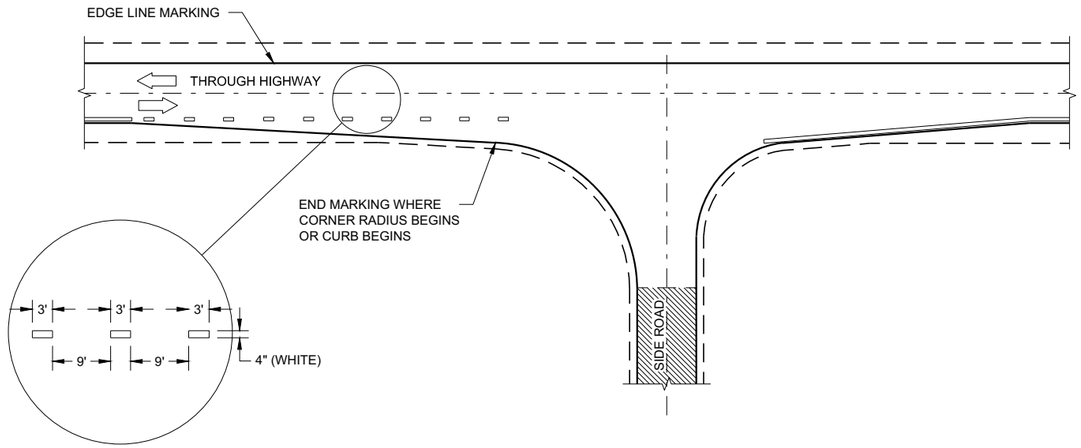
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

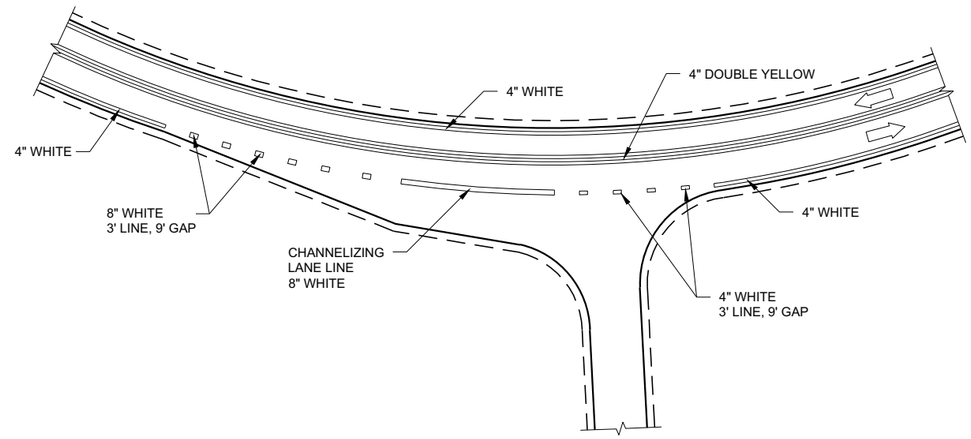
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

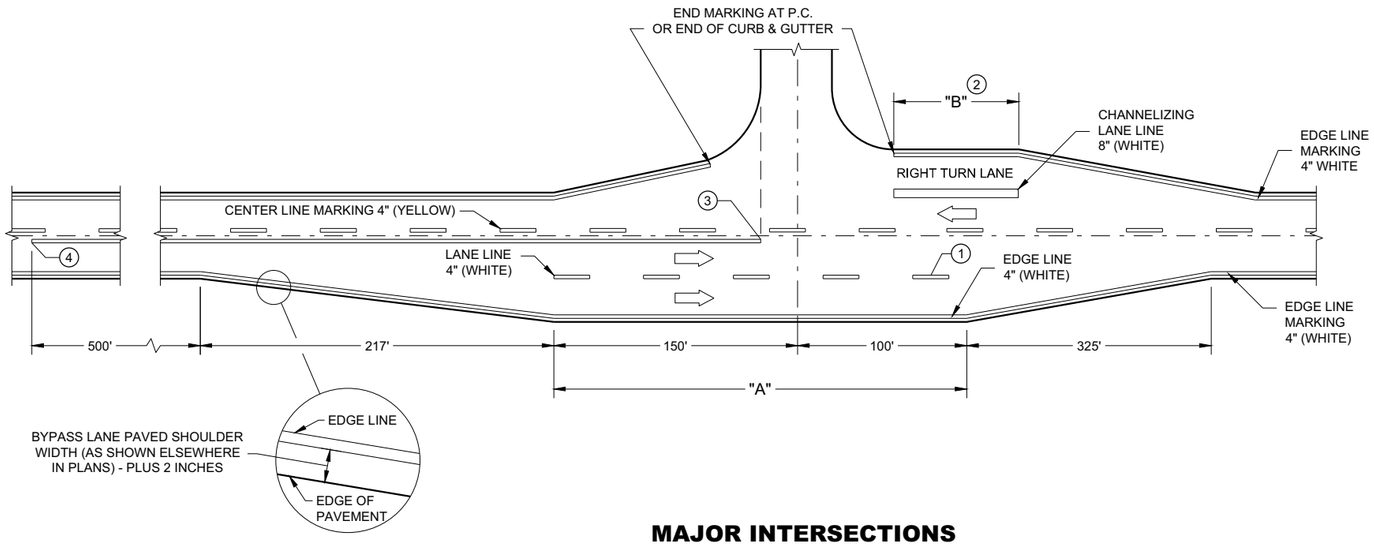
DIRECTION OF TRAVEL



MINOR INTERSECTION



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

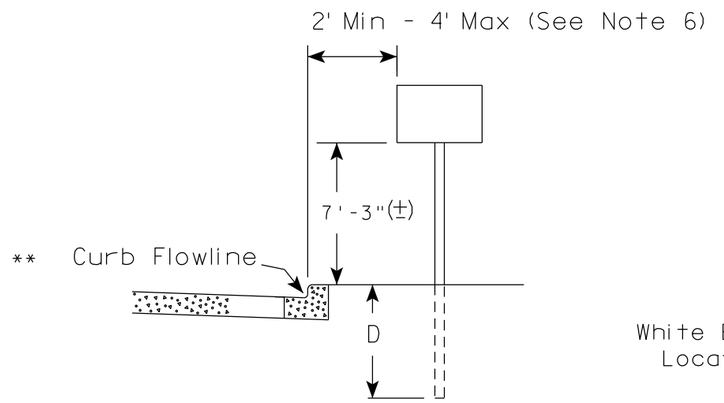
6

SDD 15C35 - 04a

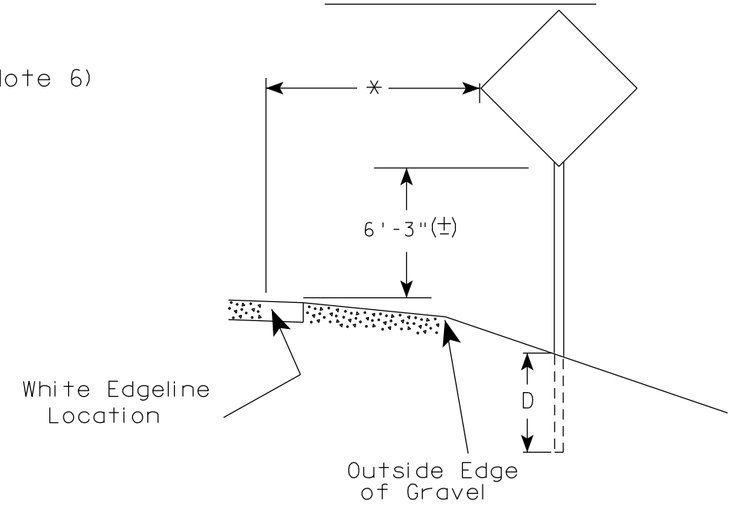
6

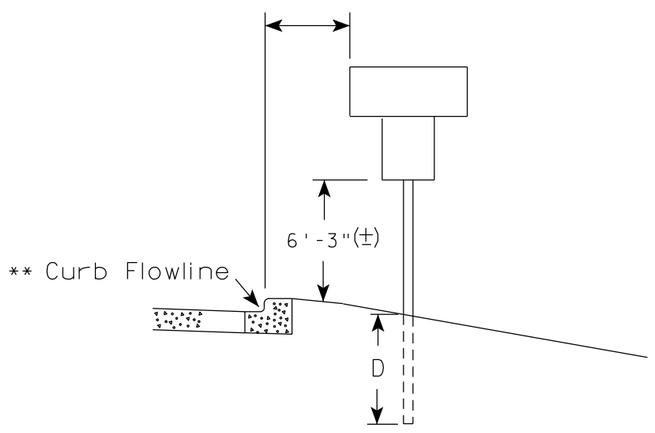
SDD 15C35 - 04a

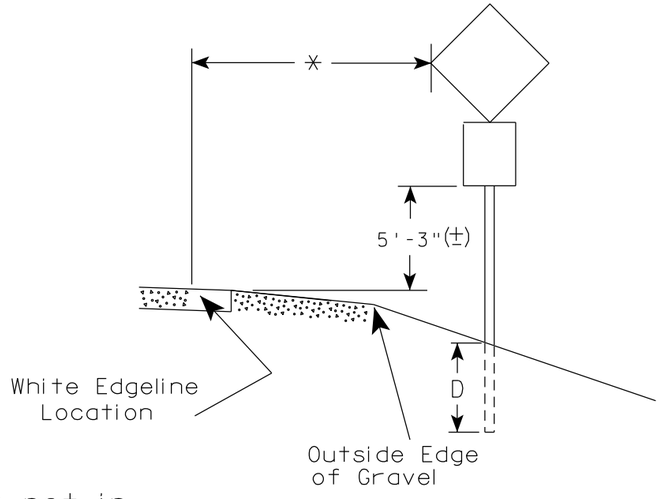
URBAN AREA



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" (±). 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. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

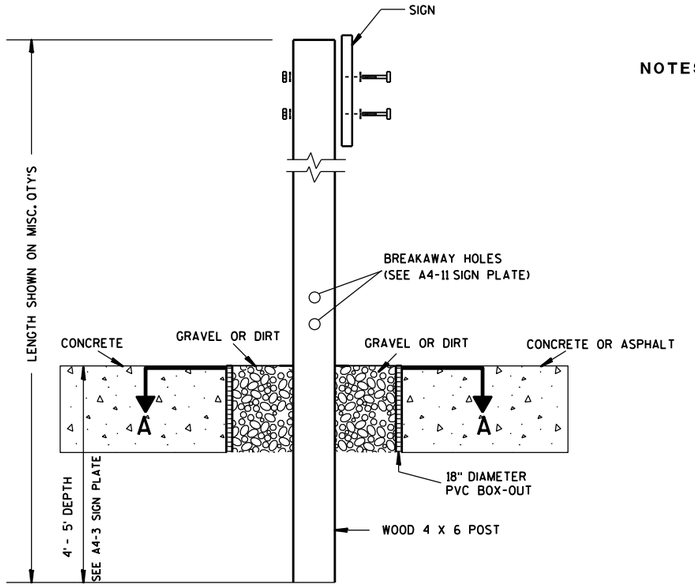
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

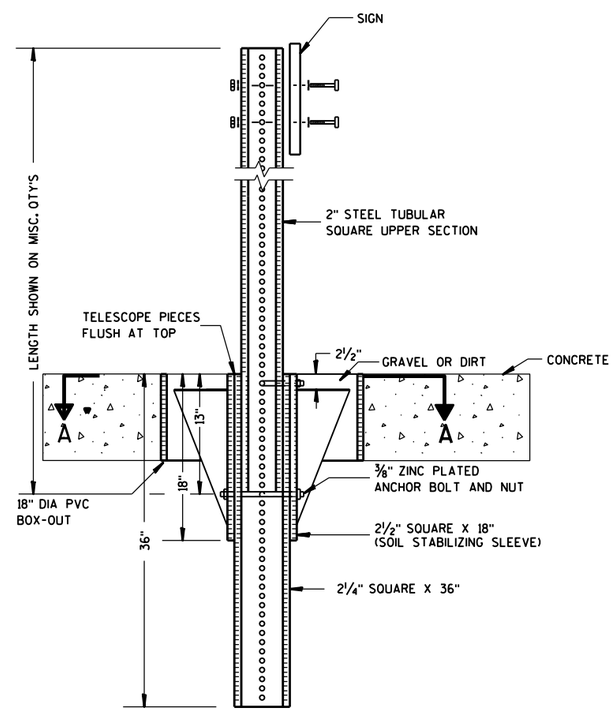
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 116	E



ELEVATION VIEW

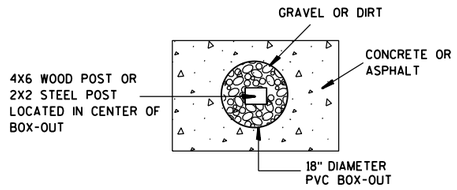
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

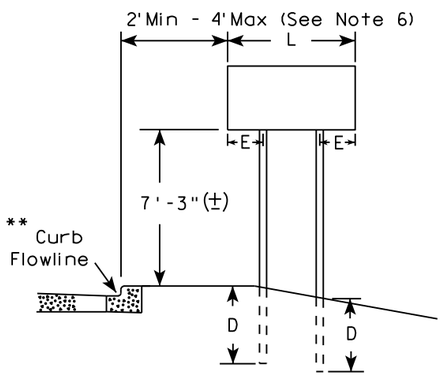
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

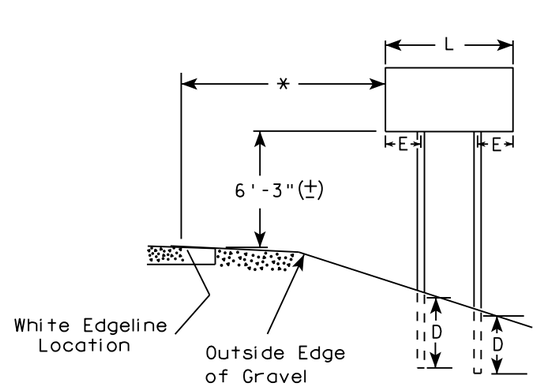
DATE 1/27/14 PLATE NO. A4-3B.1

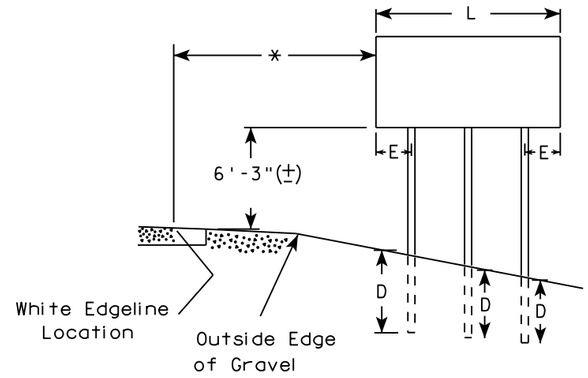
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

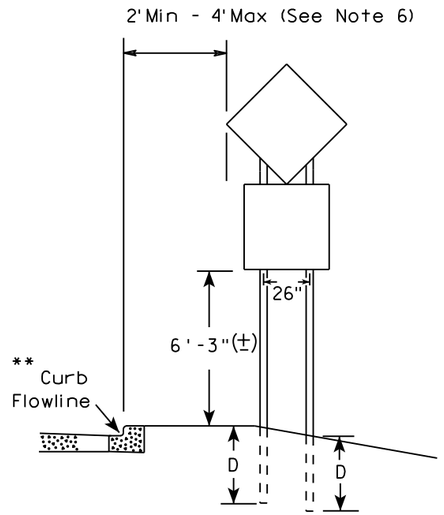
URBAN AREA



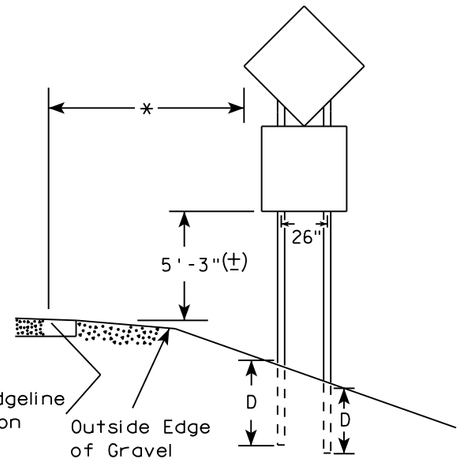
RURAL AREA (See Note 3)







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" (±) or 6'-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" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-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" (±).

* 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'

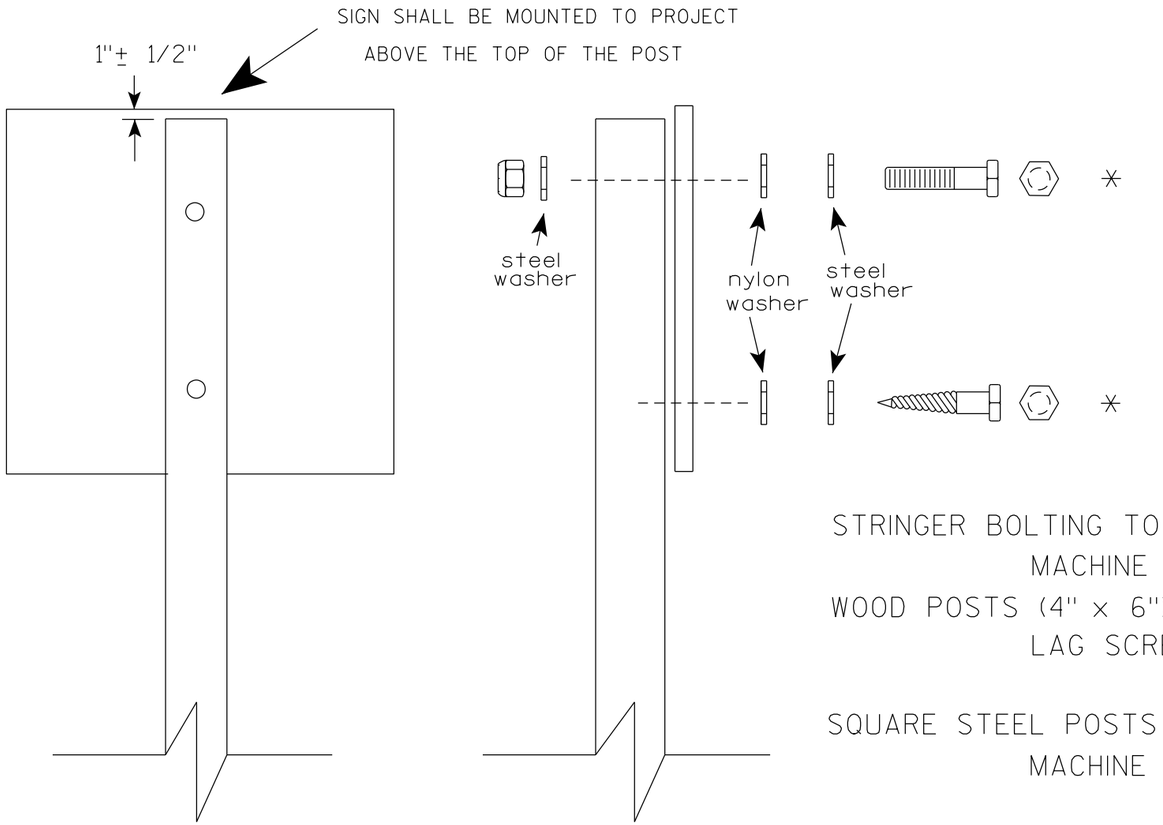
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 118	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

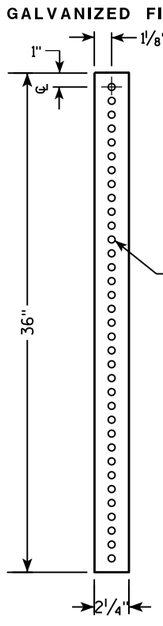
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

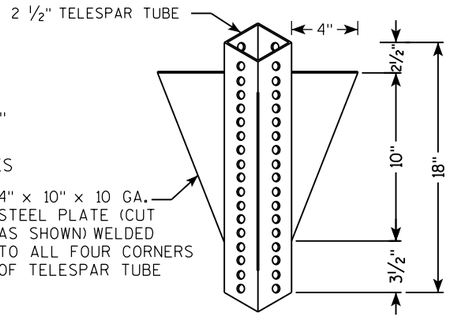
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

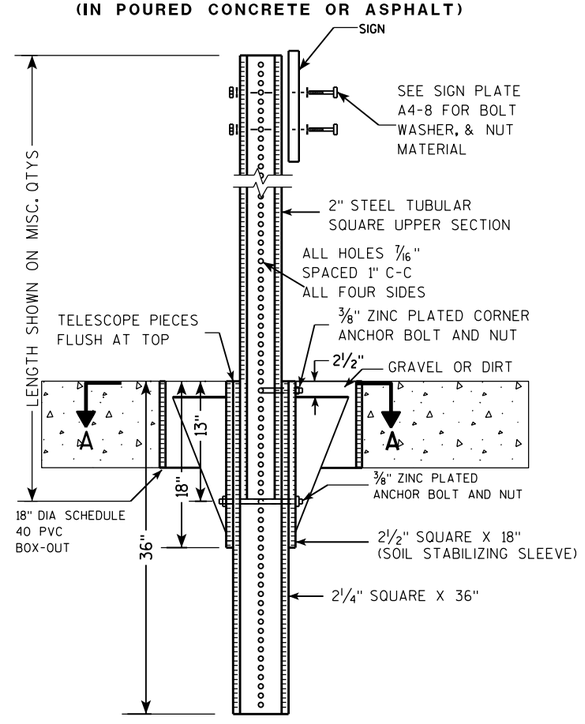
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



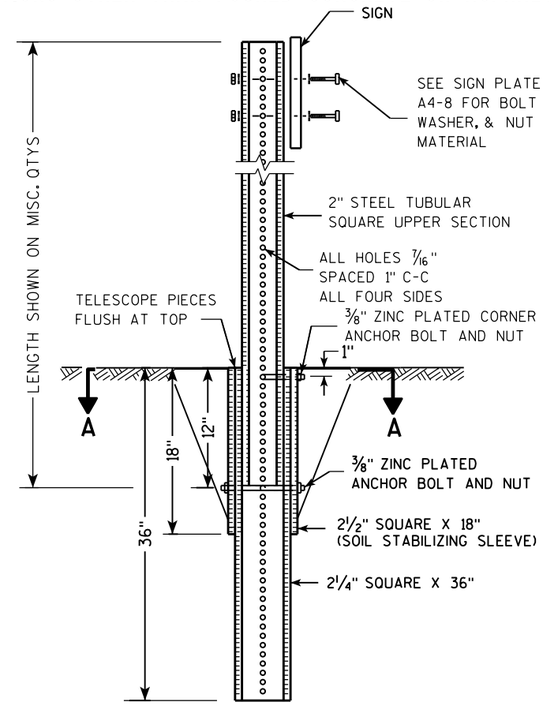
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

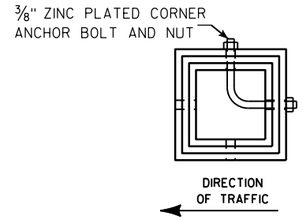


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

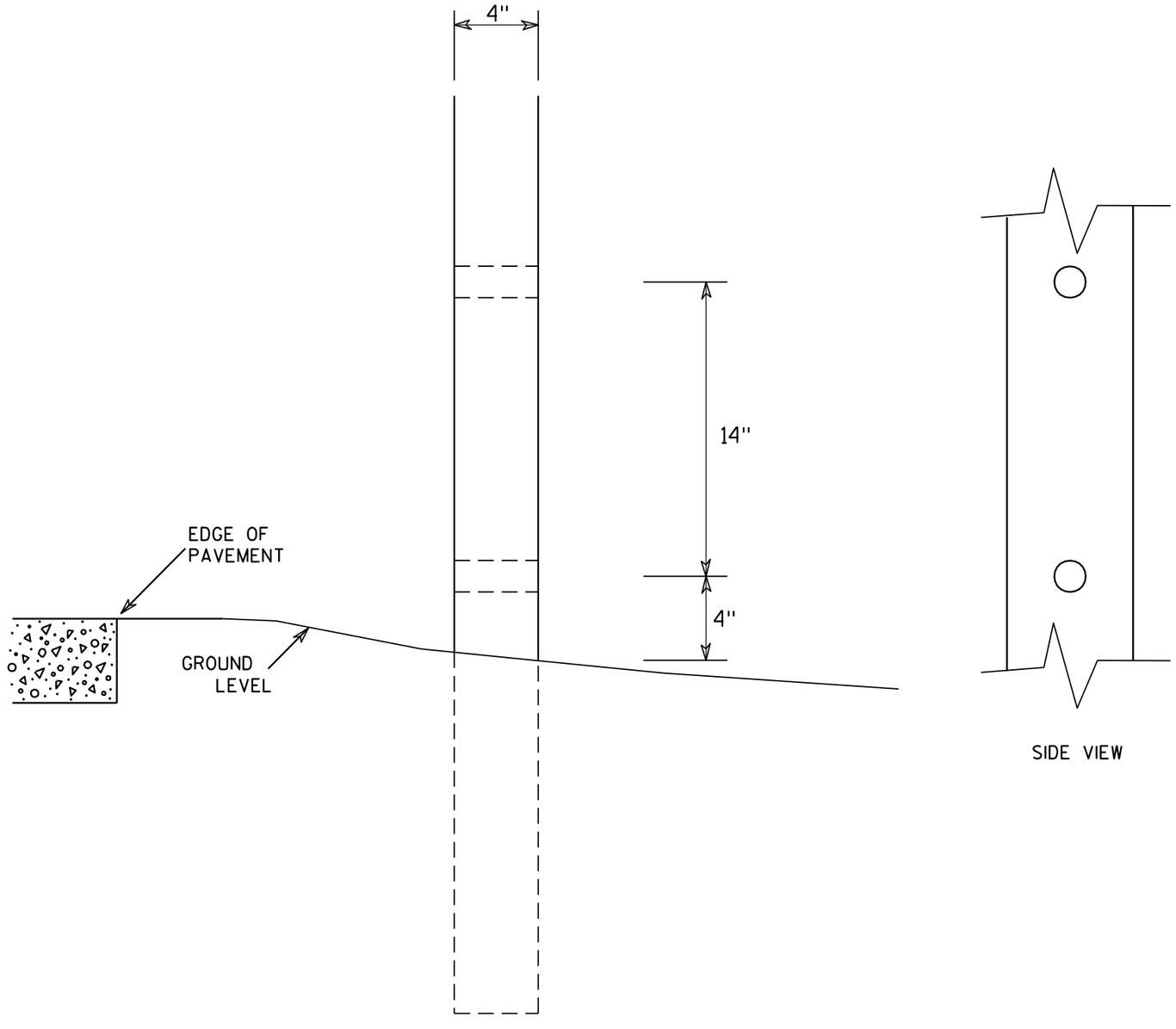
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 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.

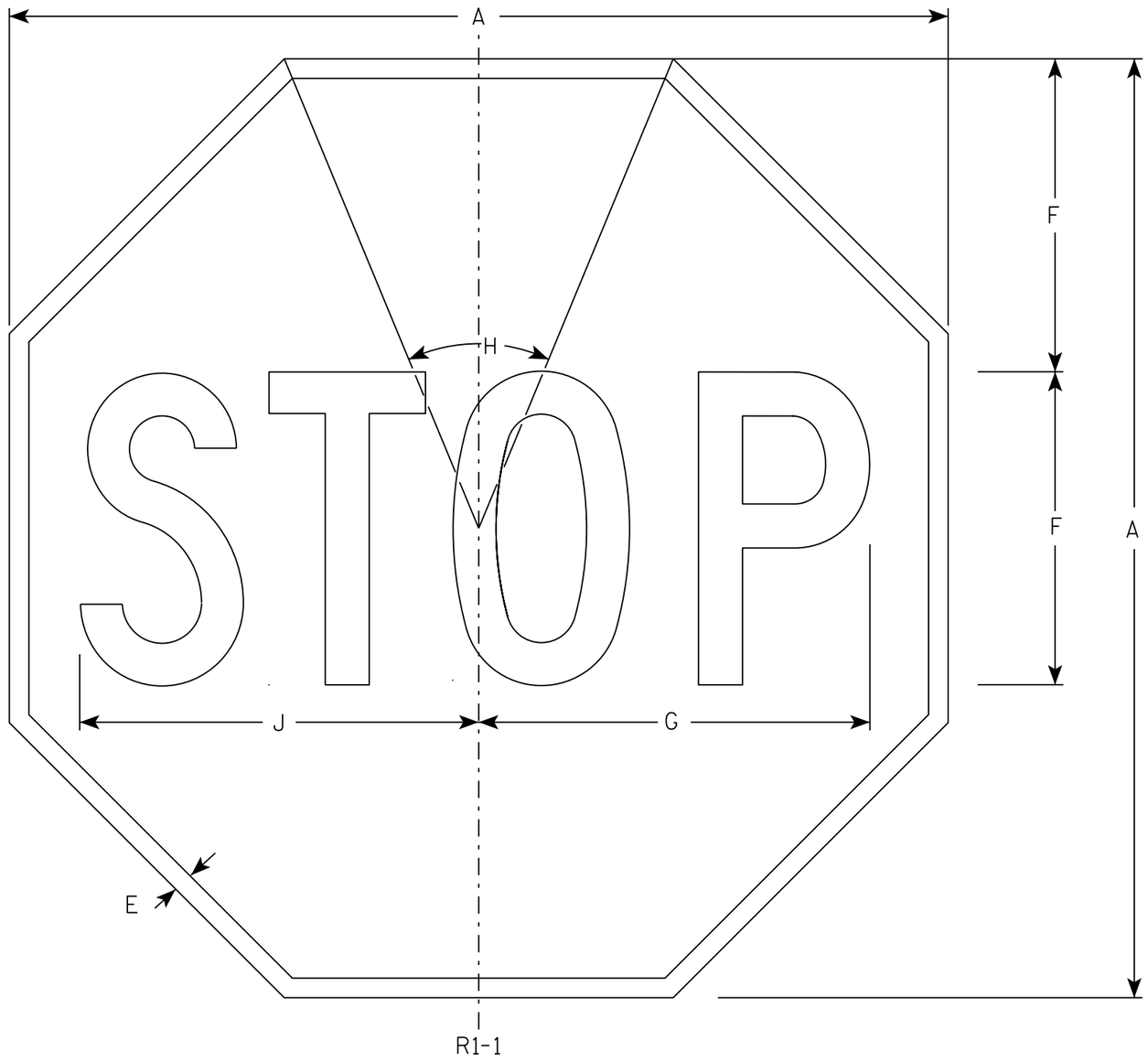
4 X 6 WOOD POST MODIFICATIONS

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: 121	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

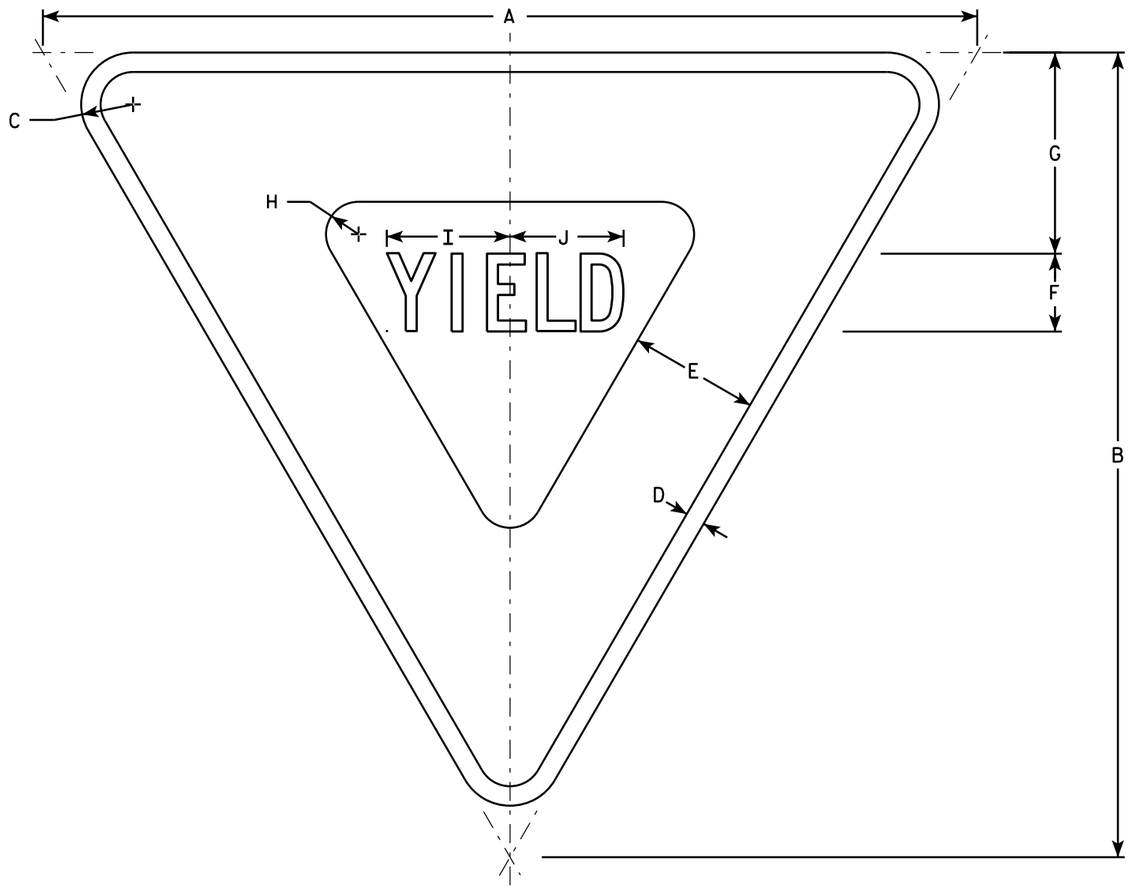
STANDARD SIGN
R1-1

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: 122	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

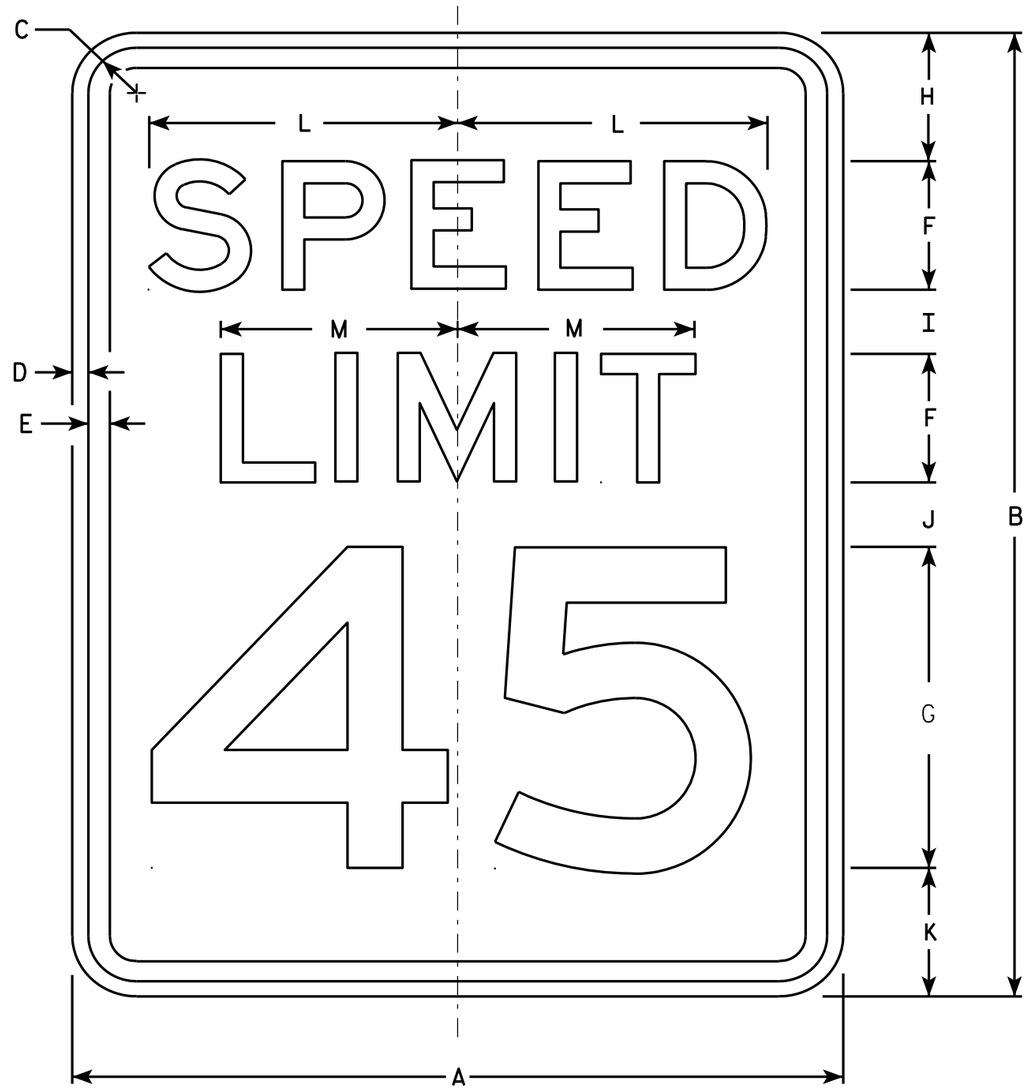
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE P1-2.12

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 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
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. 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 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	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 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	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

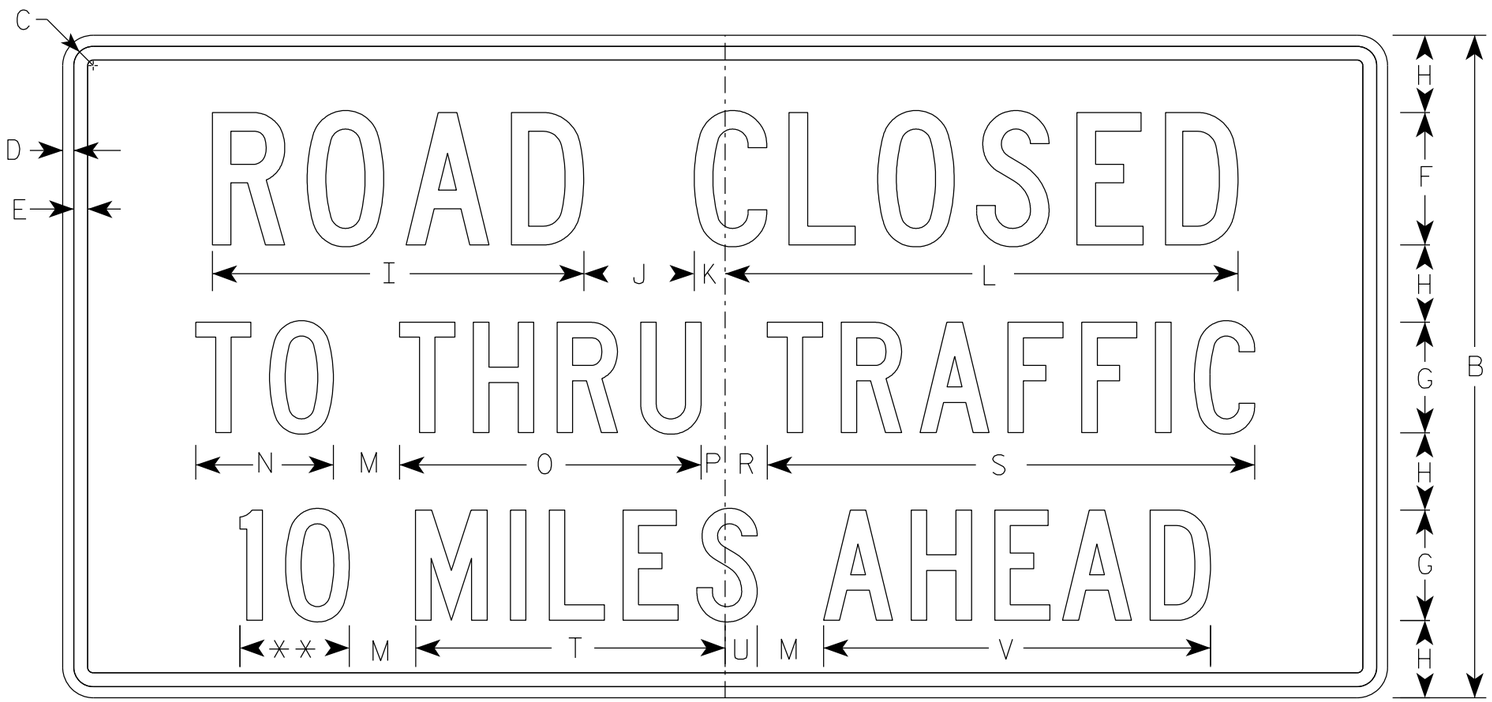
DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 124 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000
WISDOT/CADDS SHEET 42

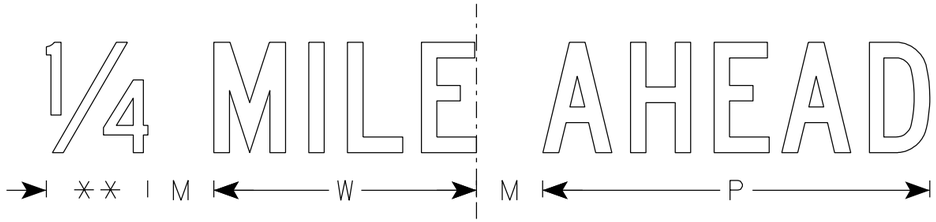
NOTES

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



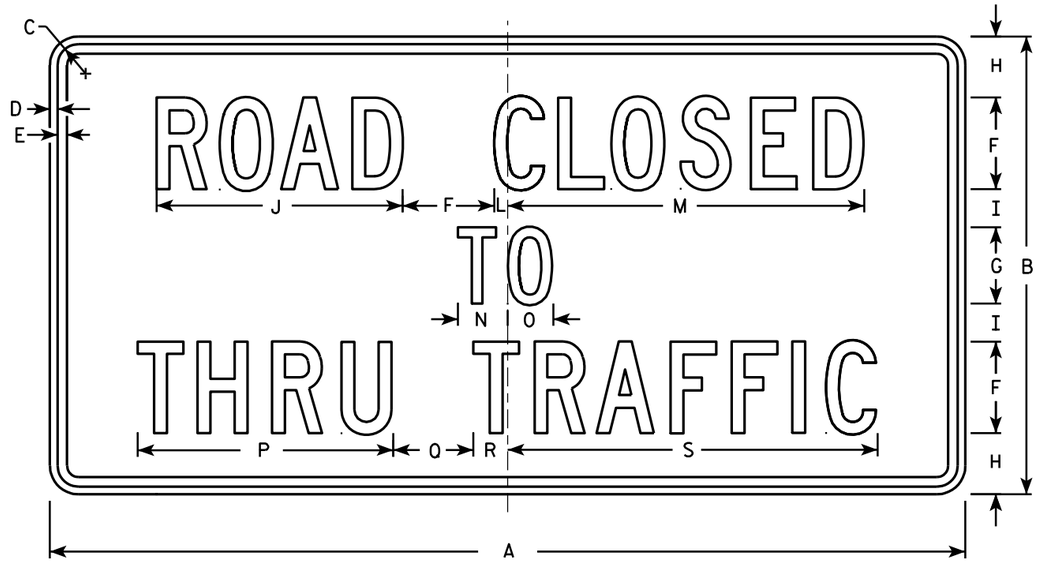
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	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 6/14/2021 PLATE NO. R11-3.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 125 E



R11-4

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 - 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.

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	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

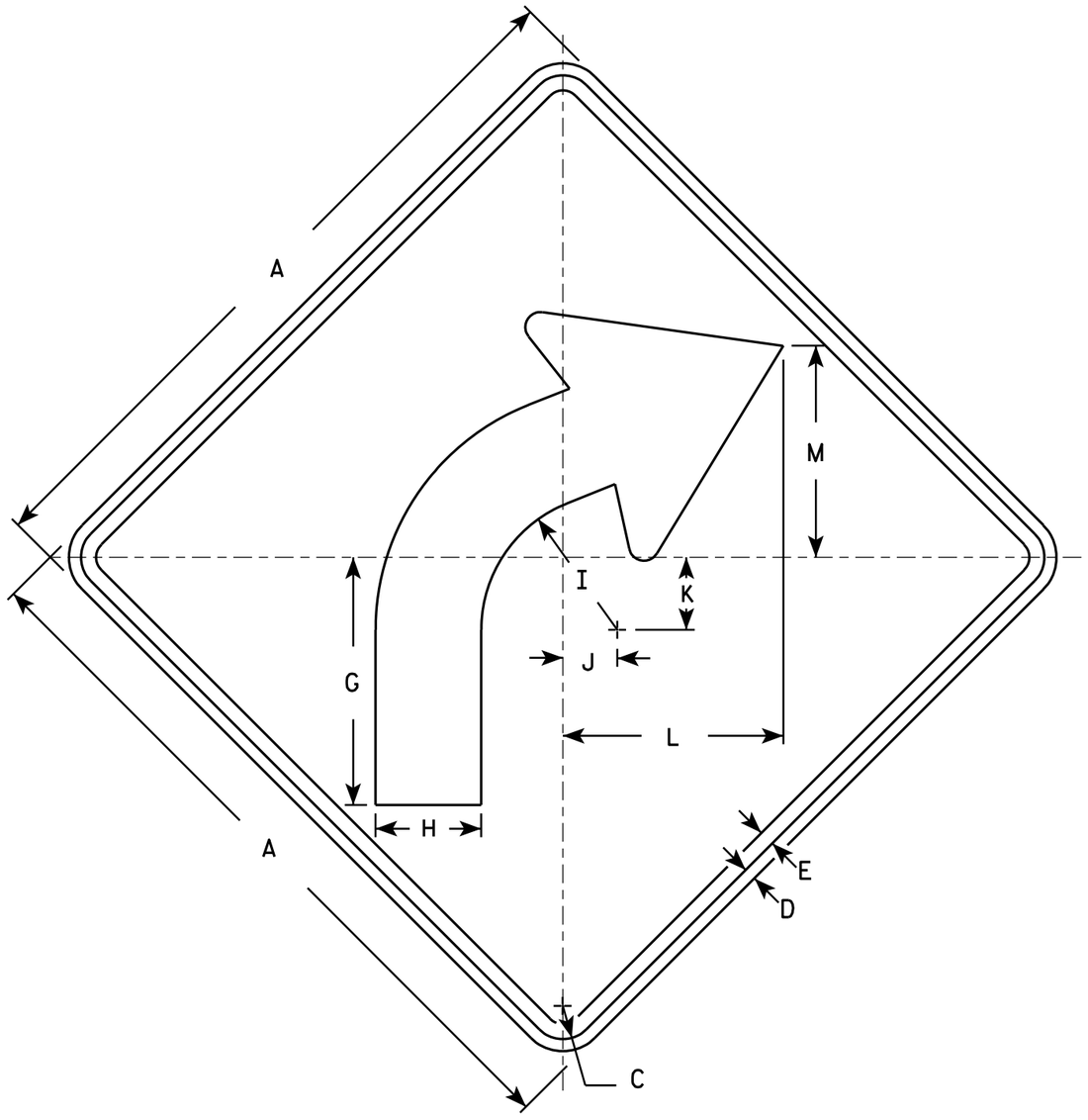
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

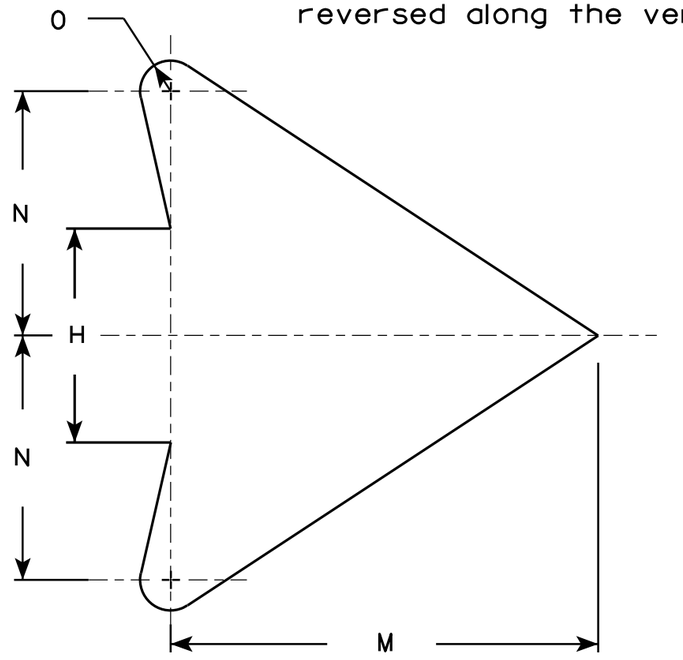
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 126 | E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
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. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



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	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

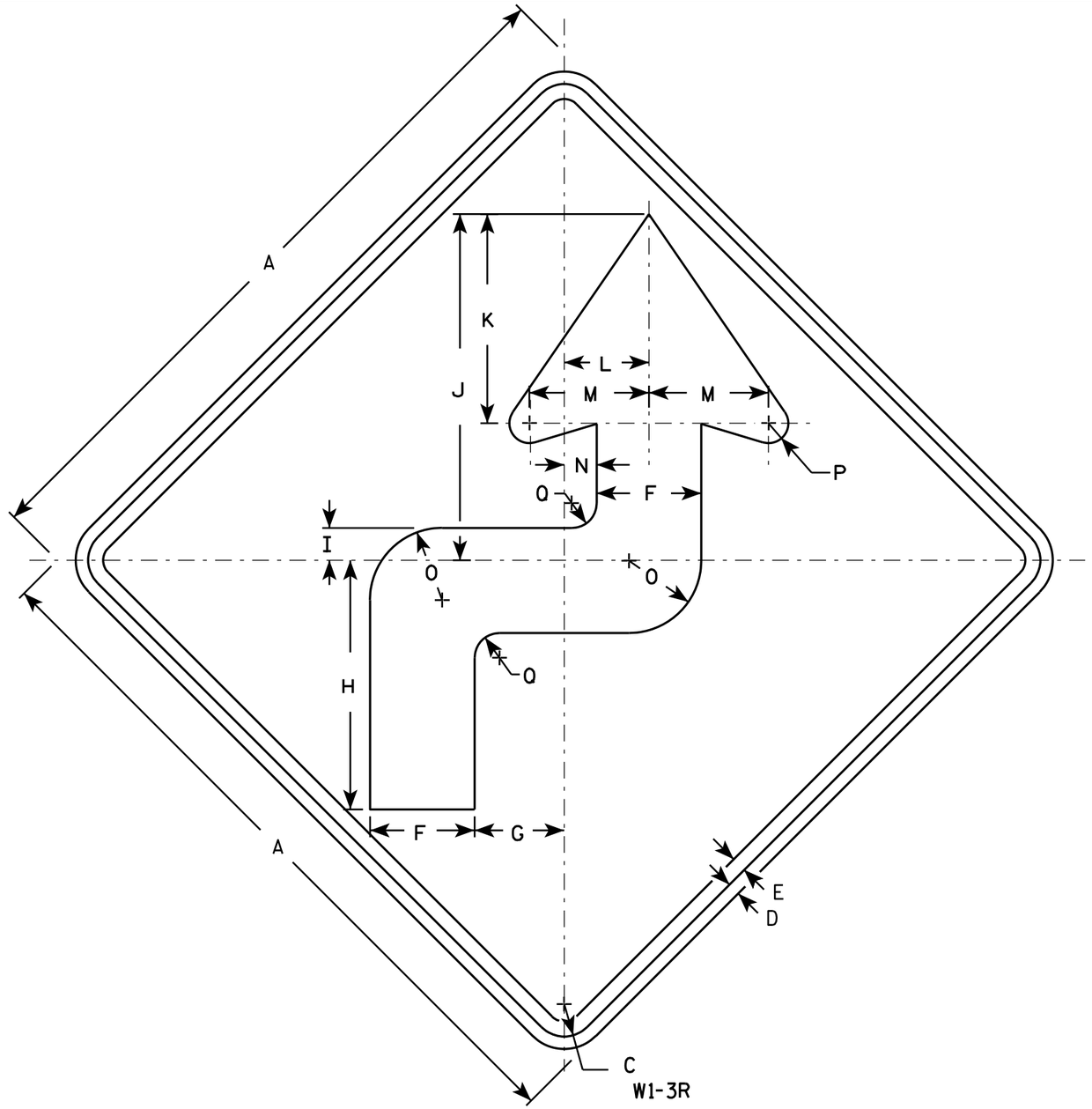
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 127	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
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. W1-3L is the same as W1-3R except the arrow is reversed along the vertical centerline.

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	24		1 1/8	3/8	1/2	3 1/2	3	8 3/8	1 1/8	11 5/8	7	2 3/4	4	1 1/8	2 1/2	5/8	7/8										4.0
2S	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
2M	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
3	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
4	36		1 5/8	5/8	3/4	5 1/4	6	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
5	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0

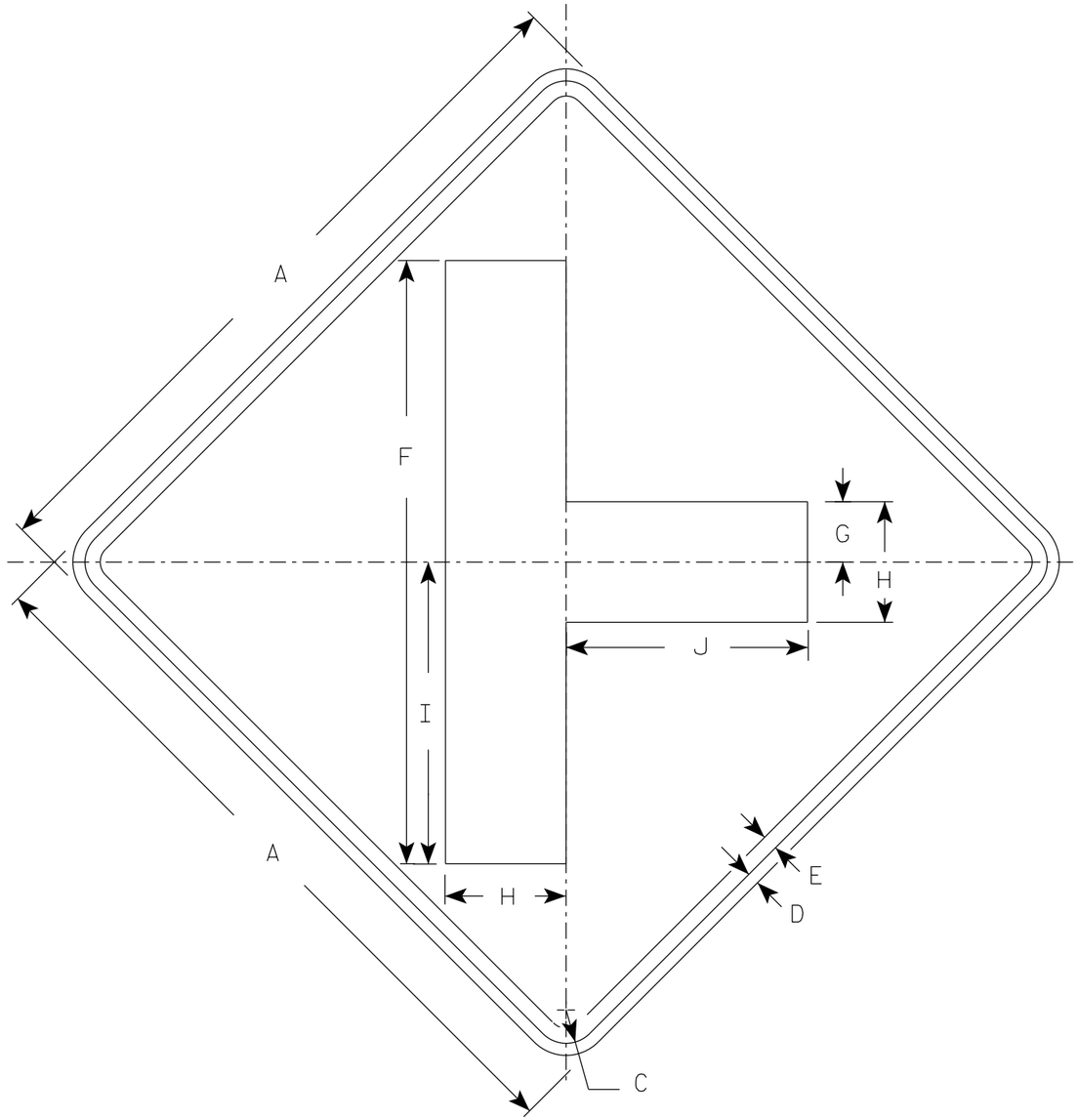
STANDARD SIGN
W1-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 128 | E



W2-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W2-2L same as W2-2R but is rotated 180° when mounted.

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	24		1 1/8	3/8	1/2	20	2	4	10	8																	4.0
2S	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 5/8	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

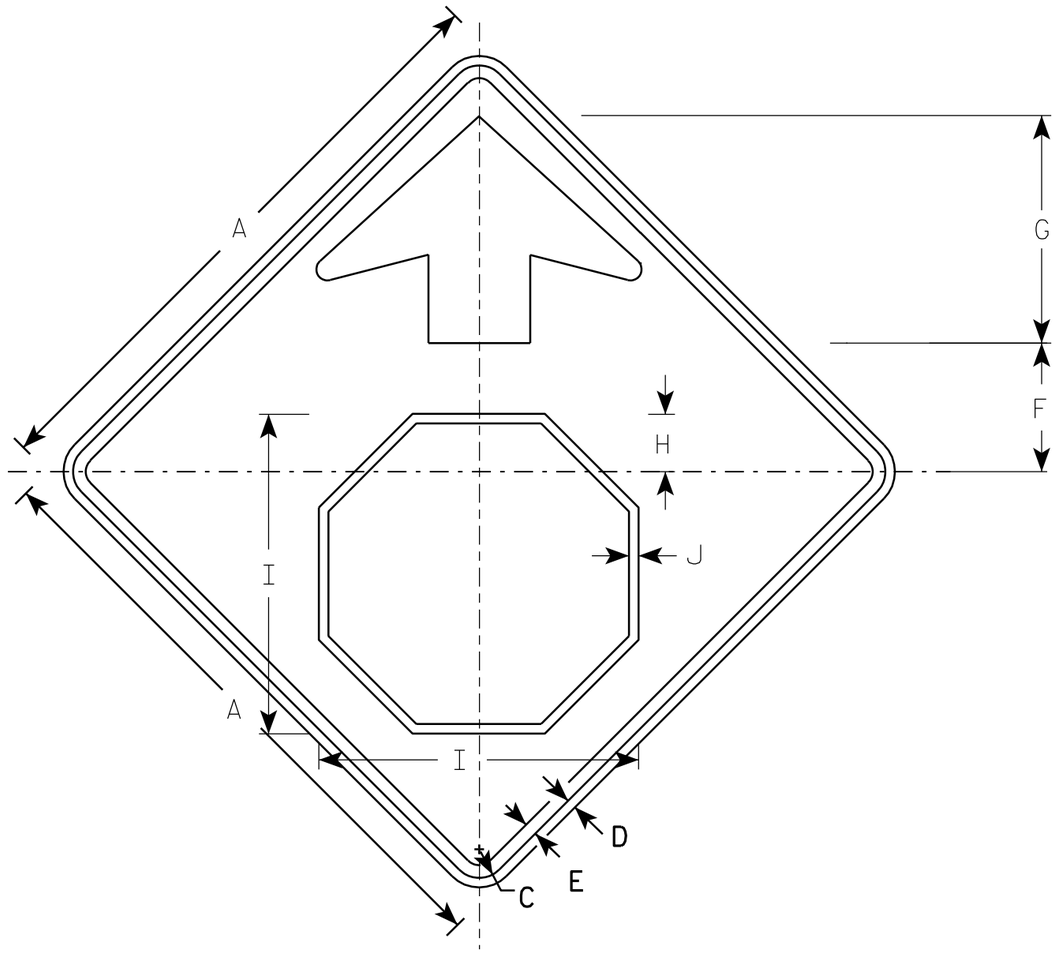
STANDARD SIGN
W2-2 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/18/2021 PLATE NO. W2-2.7

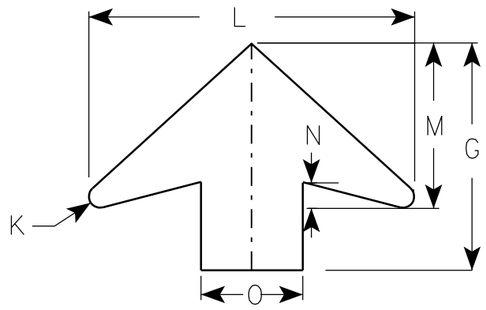
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 129 | E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON 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 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

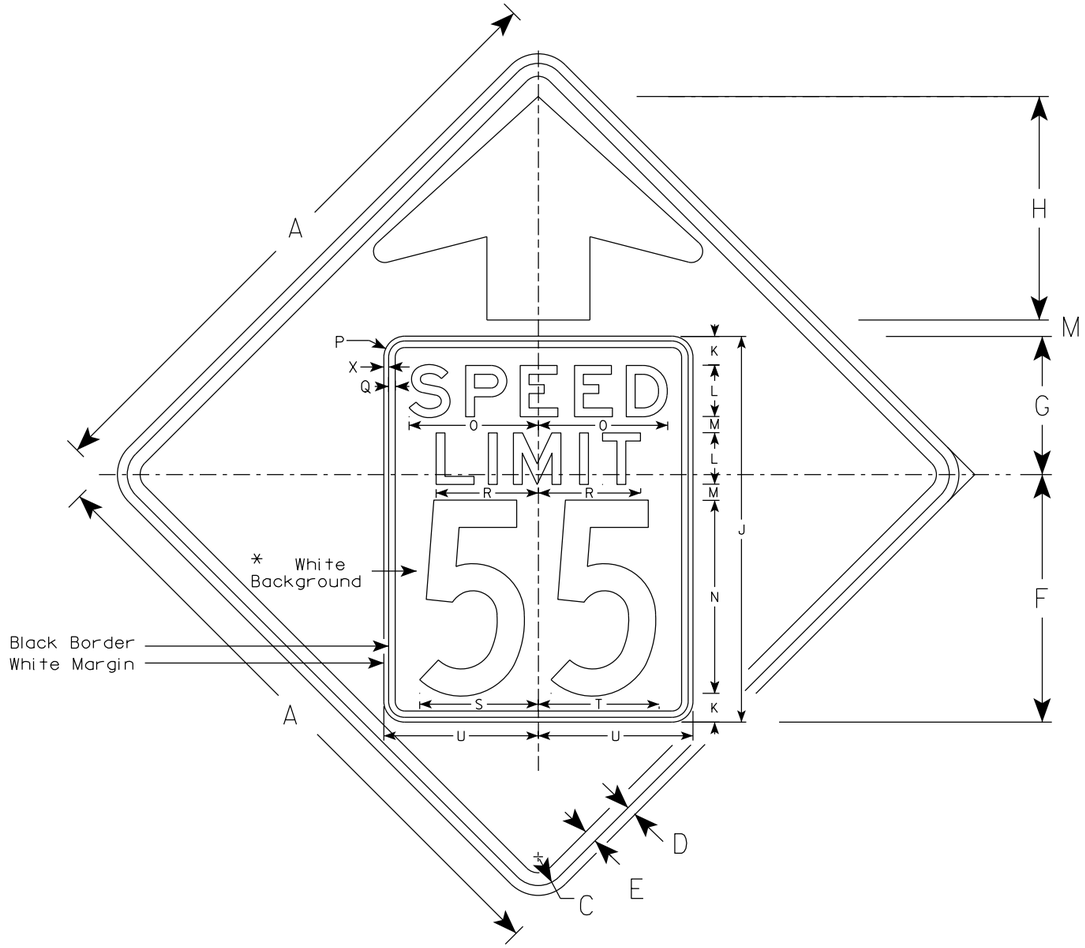
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 130 E

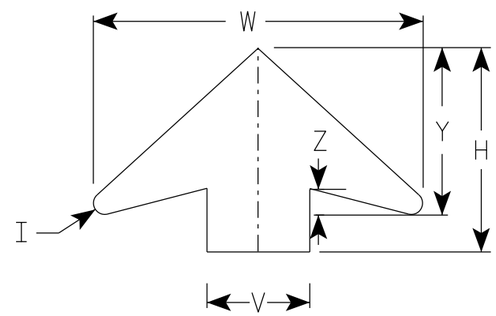


W3-5

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color: *
   Background - Yellow* (Type F Reflective)
   Message - Black
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background with black message (Type SH Reflective)



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	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

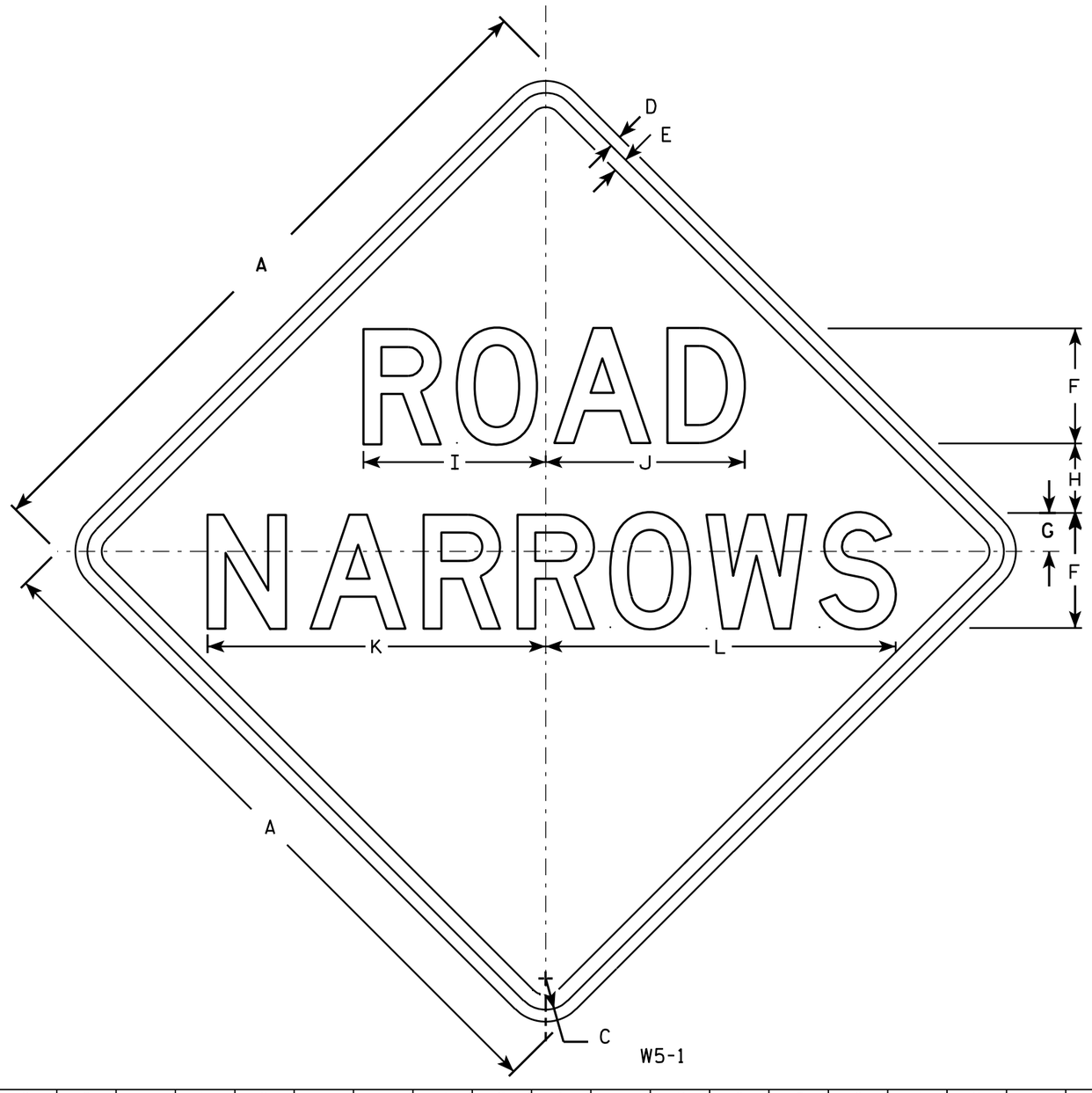
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. W3-5.6

PROJECT NO:

SHEET NO: 131 E



W5-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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	30		1 3/8	1/2	5/8	5	1 3/4	3	7 7/8	8 5/8	14 3/4	15 1/8															6.25
2S	36		1 5/8	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
2M	36		1 5/8	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
3																											
4	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
5																											

STANDARD SIGN
W5-1

WISCONSIN DEPT OF TRANSPORTATION

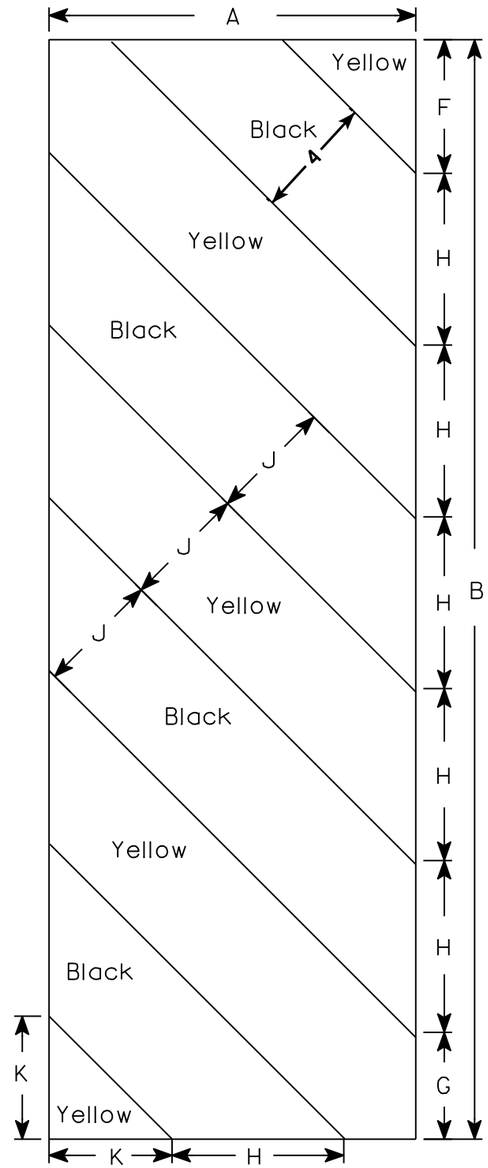
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 03/12/13 PLATE NO. W5-1.8

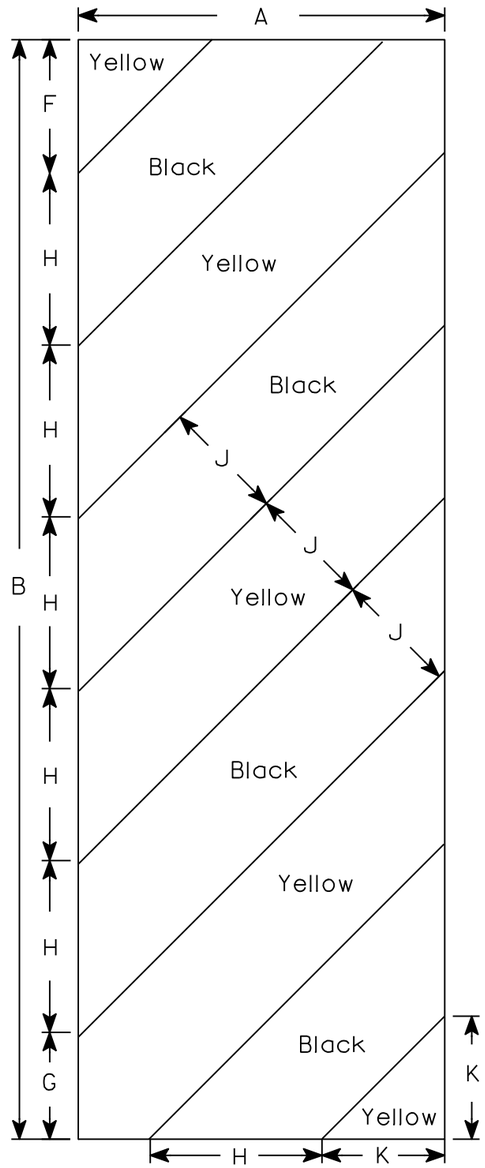
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 132 | E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W51.DGN PLOT DATE : 12-MAR-2013 12:16 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946654:1.000000
WISDOT/CADDS SHEET 42



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
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. Alternate colors of stripes as shown.

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	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

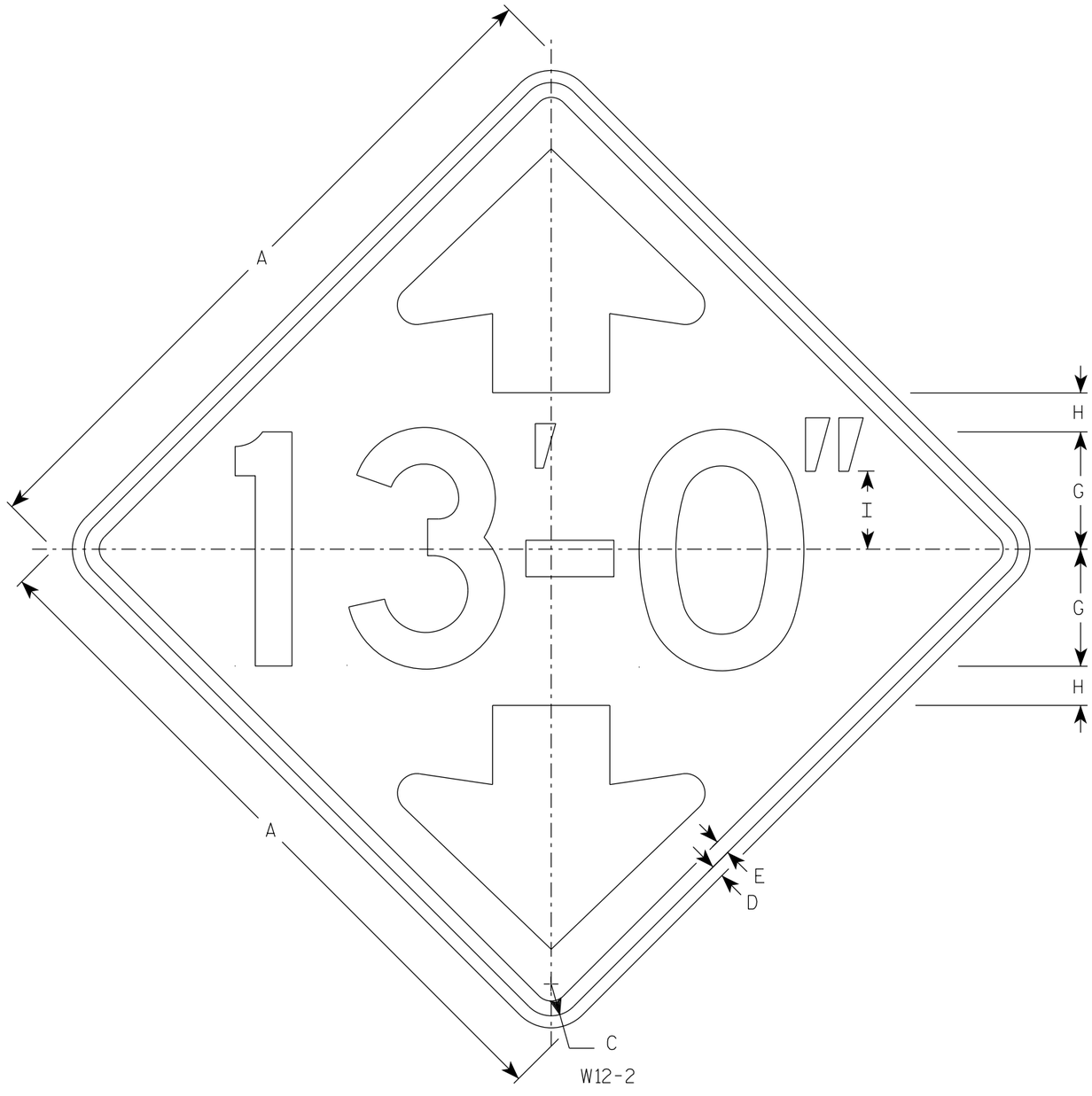
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 133	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W552.DGN PLOT DATE : 29-MAY-2012 13:03 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 4.961899:1.000000

WISDOT/CADDS SHEET 42

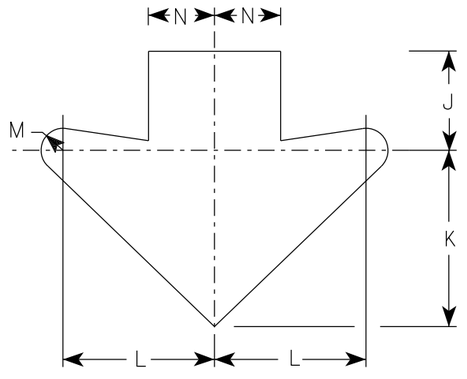
7

7

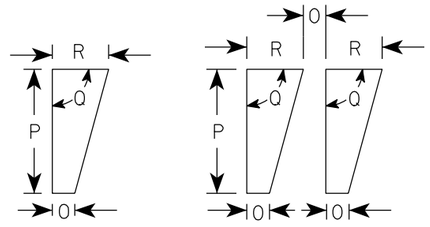


NOTES

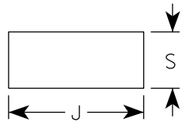
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Substitute appropriate numerals and optically adjust spacing of numerals, hyphen, foot & inch marks to achieve proper balance.



Arrow Detail



Foot Mark & Inch Mark Detail



Hyphen 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 3/8	1/2	5/8		5	1 5/8	3 3/8	3 3/4	6 5/8	5 3/4	3/4	2 1/2	1/2	2 1/4	90°	1	1 5/8								6.25
2S	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
2M	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
3	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
4	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
5	48		2 1/4	3/4	1		8	2 5/8	5 1/2	5 7/8	10 5/8	9 1/4	1 3/8	4	5/8	3 5/8	90°	1 5/8	2 1/2								16.00

STANDARD SIGN
W12-2

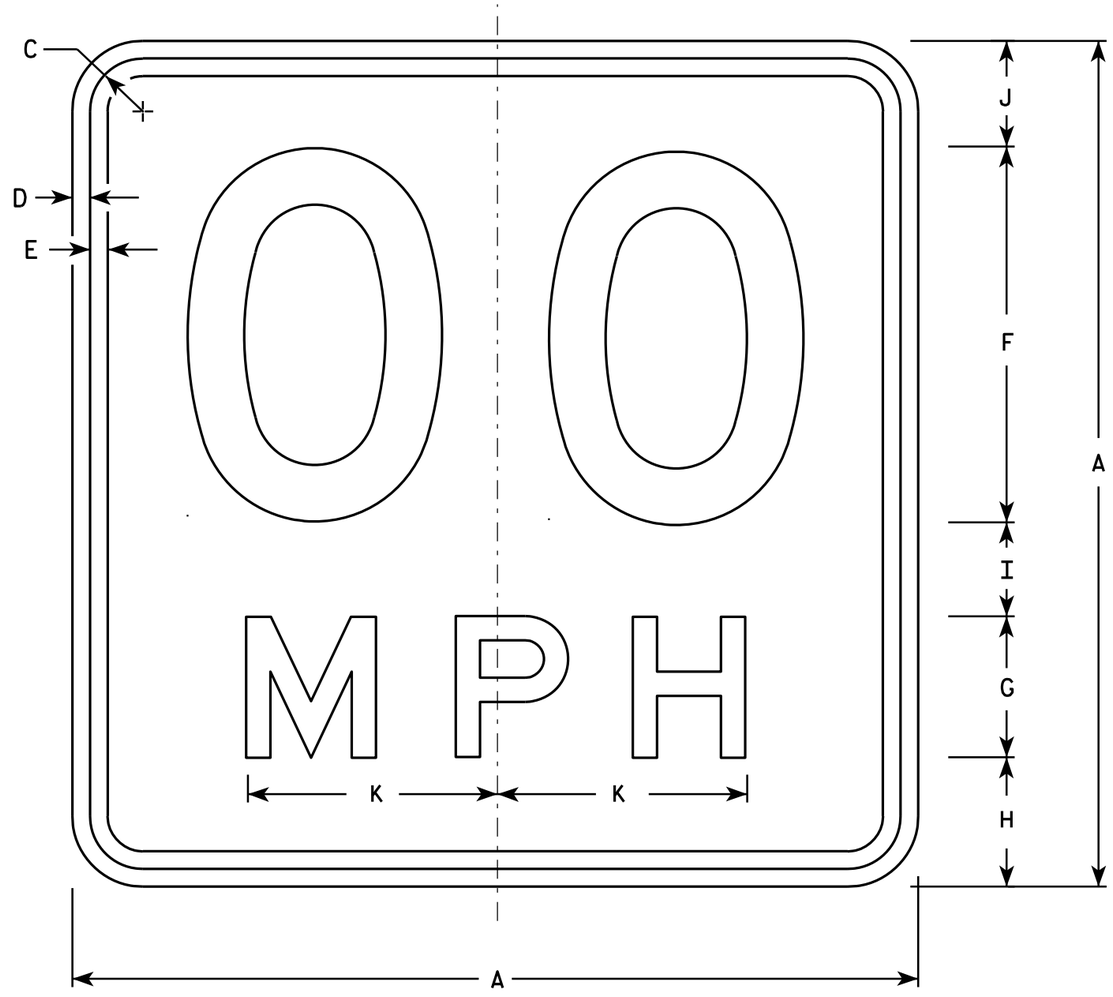
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/06/2021 PLATE NO. W12-2.10

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W122.dgn PLOT DATE : 06-DEC 2021 11:05 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 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
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 and optically space about centerline to achieve proper balance.
6. 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 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	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

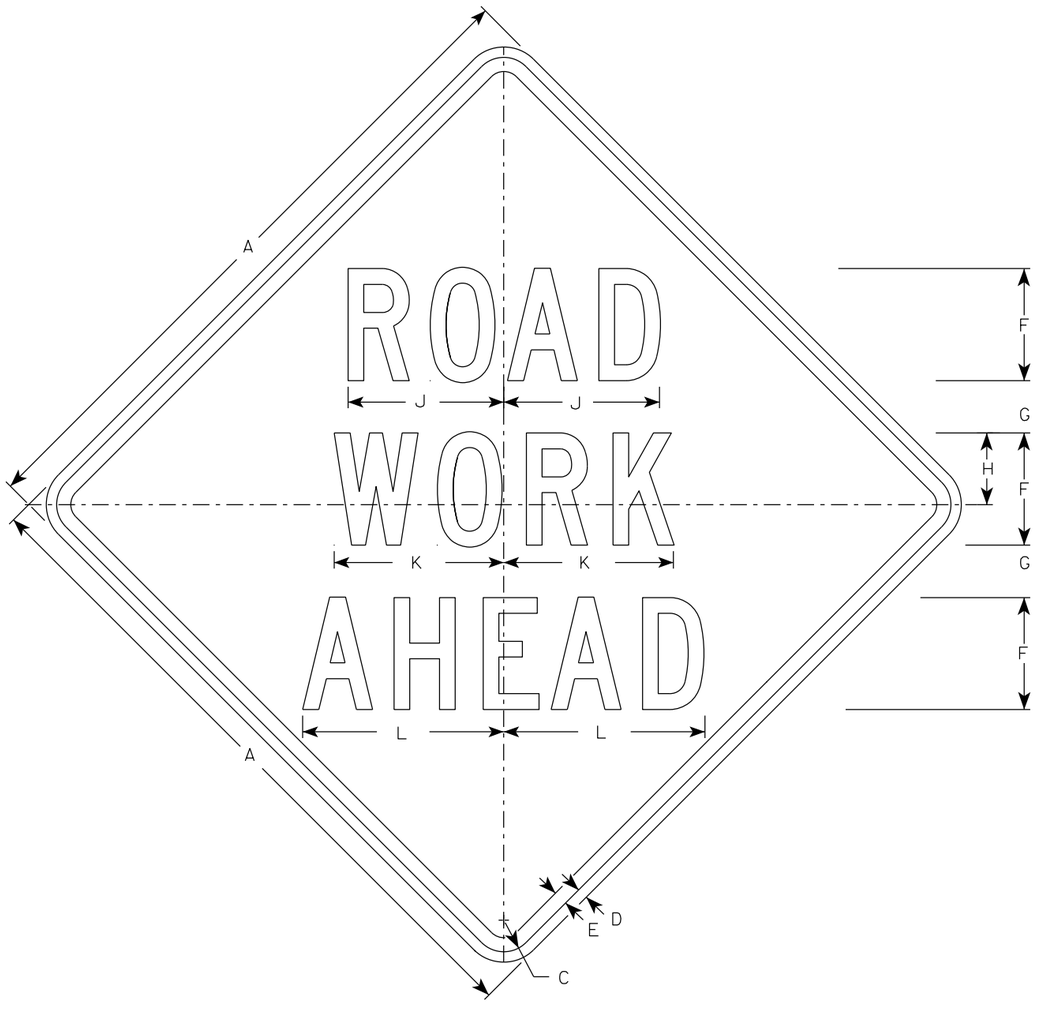
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

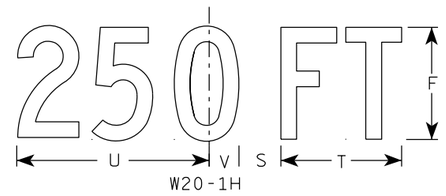
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 135 | E

NOTES

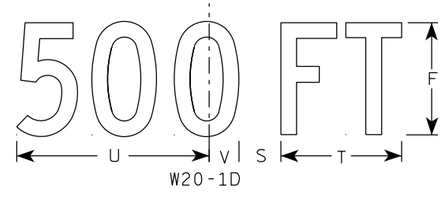
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A

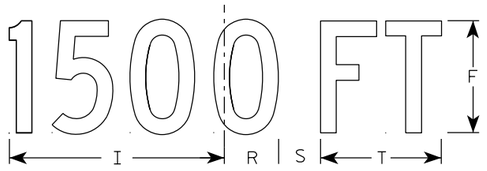


W20-1H

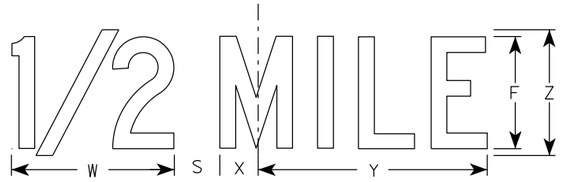


W20-1D

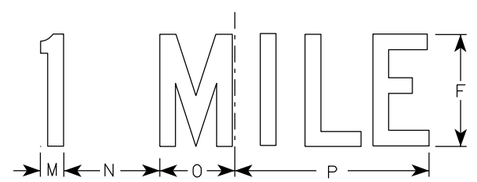
W20-1C



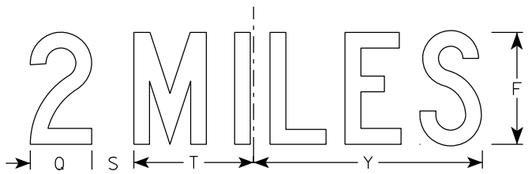
W20-1B



W20-1G



W20-1F



W20-1E

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		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

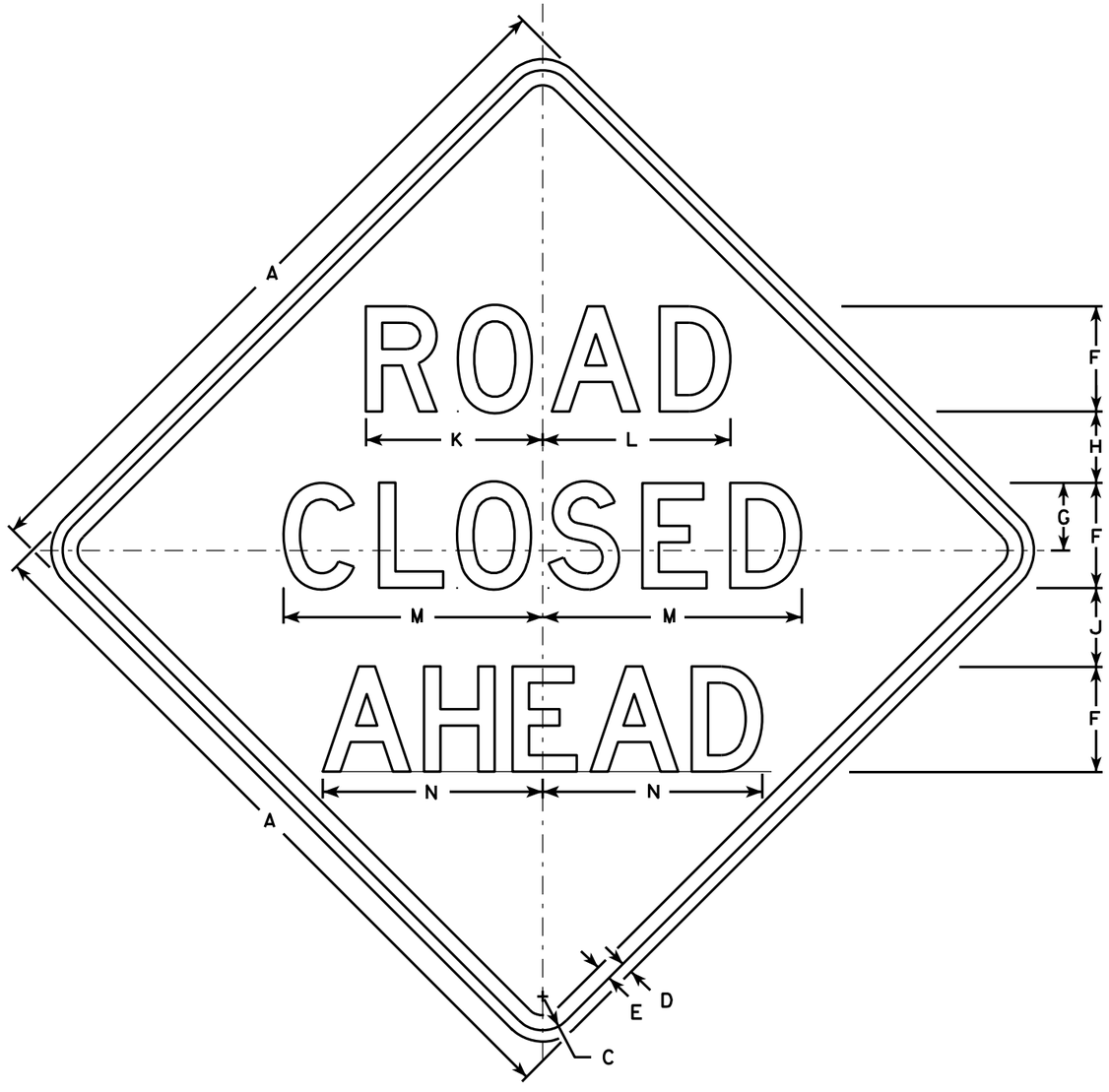
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

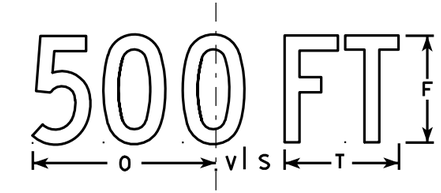
DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

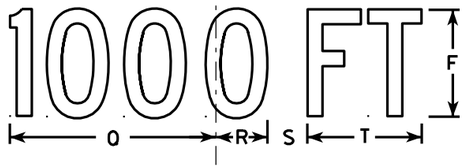
SHEET NO: E



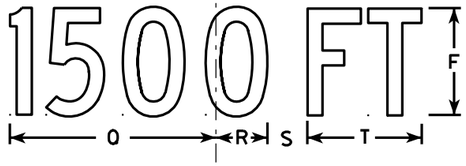
W20-3A



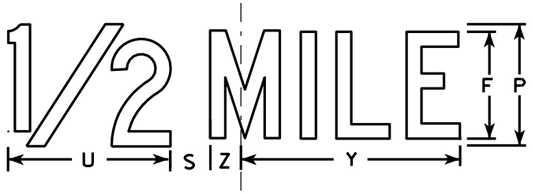
W20-3D



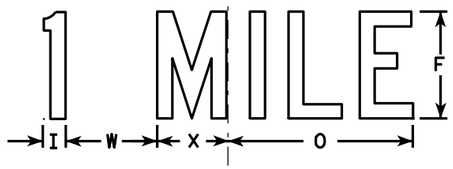
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. Lines 1 and 2 are Series D.
   Line 3 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		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

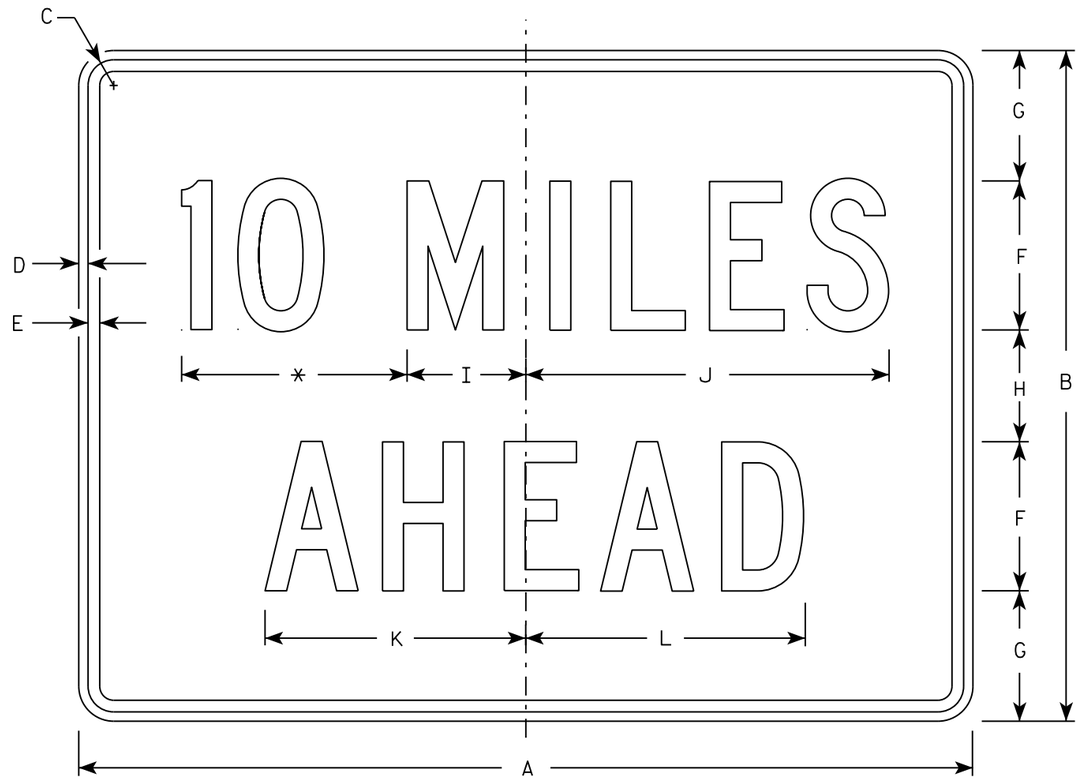
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 137 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

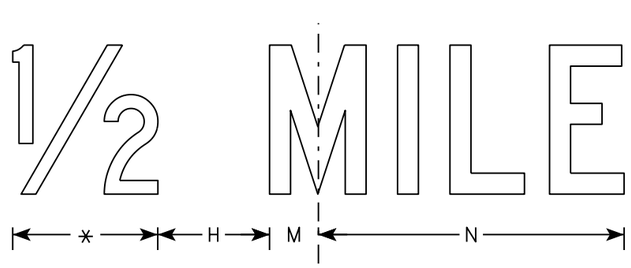
WISDOT/CADDS SHEET 42

7

7



W57-52



* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile 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	24	18	1 1/8	3/8	1/2	4	3 1/2	3	3 1/8	9 3/4	7	7 1/2	1 3/8	8 1/4													3.0
2S	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2M	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
3	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W57-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/21/17 PLATE NO. W57-52.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 138 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W5752.DGN PLOT DATE : 21-MAR-2017 08:50 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 8.131582:1.000000 WISDOT/CADDS SHEET 42

EARTHWORK - MAINLINE

	AREA (SF)			INCREMENTAL VOLUME (CY)					CUMULATIVE VOLUME (CY)				
STATION	CUT	ROCK CUT	FILL	CUT NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	ROCK (10%) NOTE 4	FILL (25%) NOTE 5	CUT 1.00 NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	FILL (25%) NOTE 5	MASS ORDINATE NOTE 6
11+00	0	0	0	0	0	0	0	0	0	0	0	0	0
12+00	44	0	57	81	0	106	0	133	81	0	106	133	-52
13+00	64	0	7	200	0	119	0	149	281	0	225	282	-1
14+00	75	0	0	257	0	13	0	16	538	0	238	298	240
15+00	49	0	15	230	0	28	0	35	768	0	266	333	435
16+00	15	0	37	119	0	96	0	120	887	0	362	453	434
17+00	4	0	161	35	0	367	0	459	922	0	729	912	10
18+00	28	0	82	59	0	450	0	563	981	0	1179	1475	-494
19+00	166	0	0	359	0	152	0	190	1340	0	1331	1665	-325
20+00	194	0	0	667	0	0	0	0	2007	0	1331	1665	342
21+00	23	0	24	402	0	44	0	55	2409	0	1375	1720	689
22+00	12	0	69	65	0	172	0	215	2474	0	1547	1935	539
23+00	52	0	32	119	0	187	0	234	2593	0	1734	2169	424
24+00	67	0	24	220	0	104	0	130	2813	0	1838	2299	514
25+00	67	0	14	248	0	70	0	88	3061	0	1908	2387	674
26+00	73	0	31	259	0	83	0	104	3320	0	1991	2491	829
27+00	53	0	43	233	0	137	0	171	3553	0	2128	2662	891
28+00	41	0	93	174	0	252	0	315	3727	0	2380	2977	750
28+00	35	0	53	0	0	0	0	0	3727	0	2380	2977	750
29+00	42	0	160	143	0	394	0	493	3870	0	2774	3470	400
29+00	69	0	160	0	0	0	0	0	3870	0	2774	3470	400
30+00	78	0	94	272	0	470	0	588	4142	0	3244	4058	84
31+00	118	0	86	363	0	333	0	416	4505	0	3577	4474	31
32+00	386	0	91	933	0	328	0	410	5438	0	3905	4884	554
32+50	77	0	155	429	0	228	0	285	5867	0	4133	5169	698
32+50	70	0	126	0	0	0	0	0	5867	0	4133	5169	698
33+00	64	0	129	124	0	236	0	295	5991	0	4369	5464	527
33+50	51	0	151	106	0	259	0	324	6097	0	4628	5788	309
33+50	119	0	202	0	0	0	0	0	6097	0	4628	5788	309
34+00	75	0	223	180	0	394	0	493	6277	0	5022	6281	-4
35+00	27	0	190	189	0	765	0	956	6466	0	5787	7237	-771
36+00	6	0	123	61	0	580	0	725	6527	0	6367	7962	-1435
37+00	1	0	135	13	0	478	0	598	6540	0	6845	8560	-2020
38+00	7	0	114	15	0	461	0	576	6555	0	7306	9136	-2581
39+00	28	0	86	65	0	370	0	463	6620	0	7676	9599	-2979
40+00	146	0	0	322	0	159	0	199	6942	0	7835	9798	-2856
41+00	175	0	0	594	0	0	0	0	7536	0	7835	9798	-2262
42+00	17	0	22	356	0	41	0	51	7892	0	7876	9849	-1957
43+00	6	0	138	43	0	296	0	370	7935	0	8172	10219	-2284
44+00	12	0	101	33	0	443	0	554	7968	0	8615	10773	-2805
45+00	61	0	0	135	0	187	0	234	8103	0	8802	11007	-2904
46+00	315	90	0	696	167	0	184	-230	8799	184	8802	10777	-1978
47+00	224	38	0	998	237	0	261	-326	9797	445	8802	10451	-654
48+00	53	0	79	513	70	146	77	86	10310	522	8948	10537	-227
49+00	4	0	153	106	0	430	0	538	10416	522	9378	11075	-659
50+00	6	0	165	19	0	589	0	736	10435	522	9967	11811	-1376
51+00	27	0	93	61	0	478	0	598	10496	522	10445	12409	-1913
52+00	70	0	26	180	0	220	0	275	10676	522	10665	12684	-2008
53+00	221	0	0	539	0	48	0	60	11215	522	10713	12744	-1529
54+00	404	0	0	1157	0	0	0	0	12372	522	10713	12744	-372
55+00	278	0	0	1263	0	0	0	0	13635	522	10713	12744	891
56+00	201	0	0	887	0	0	0	0	14522	522	10713	12744	1778
57+00	444	0	0	1194	0	0	0	0	15716	522	10713	12744	2972
58+00	157	0	0	1113	0	0	0	0	16829	522	10713	12744	4085
59+00	79	0	7	437	0	13	0	16	17266	522	10726	12760	4506
60+00	71	0	33	278	0	74	0	93	17544	522	10800	12853	4691
61+00	11	0	86	152	0	220	0	275	17696	522	11020	13128	4568
62+00	6	0	127	31	0	394	0	493	17727	522	11414	13621	4106
63+00	0	0	141	11	0	496	0	620	17738	522	11910	14241	3497
64+00	0	0	112	0	0	469	0	586	17738	522	12379	14827	2911
65+00	61	0	30	113	0	263	0	329	17851	522	12642	15156	2695

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - ROCK CUT	ROCK EXCAVATION
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - ROCK (10%)	(ROCK CUT)*1.10
5 - FILL (25%)	(UNEXPANDED FILL)*1.25
6 - MASS ORDINATE	CUT + ROCK (10%) - FILL (25%)

EARTHWORK-MAINLINE CONTINUED

66+00	185	0	0	456	0	56	0	70	18307	536	12698	15208	3099
67+00	1051	0	0	2289	0	0	0	0	20596	536	12698	15208	5388
67+00	221	0	0	0	0	0	0	0	20596	536	12698	15208	5388
68+00	181	0	0	744	0	0	0	0	21340	536	12698	15208	6132
69+00	221	0	0	744	0	0	0	0	22084	536	12698	15208	6876
69+00	1182	0	0	0	0	0	0	0	22084	536	12698	15208	6876
69+50	355	0	0	1423	0	0	0	0	23507	536	12698	15208	8299
70+00	218	0	0	531	0	0	0	0	24038	536	12698	15208	8830
71+00	53	0	0	502	0	0	0	0	24540	536	12698	15208	9332
72+00	149	0	0	374	0	0	0	0	24914	536	12698	15208	9706
73+00	147	0	24	548	0	44	0	55	25462	536	12742	15263	10199
74+00	82	0	47	424	0	131	0	164	25886	536	12873	15427	10459
75+00	71	0	48	283	0	176	0	220	26169	536	13049	15647	10522
76+00	52	0	37	228	0	157	0	196	26397	536	13206	15843	10554
77+00	97	21	0	276	39	69	43	33	26673	579	13275	15876	10797
78+00	237	65	0	619	159	0	175	-219	27292	754	13275	15657	11635
79+00	70	0	2	569	120	4	132	-160	27861	886	13279	15497	12364
80+00	41	0	8	206	0	19	0	24	28067	886	13298	15521	12546
81+00	39	0	6	148	0	26	0	33	28215	886	13324	15554	12661
82+00	9	0	95	89	0	187	0	234	28304	886	13511	15788	12516
83+00	7	0	163	30	0	478	0	598	28334	886	13989	16386	11948
84+00	39	0	53	85	0	400	0	500	28419	886	14389	16886	11533
85+00	148	0	0	346	0	98	0	123	28765	886	14487	17009	11756
86+00	323	182	0	872	337	0	371	-464	29637	1257	14487	16545	13092
87+00	148	0	22	872	337	41	371	-413	30509	1628	14528	16132	14377
88+00	0	0	118	274	0	259	0	324	30783	1628	14787	16456	14327
89+00	4	0	122	7	0	444	0	555	30790	1628	15231	17011	13779
90+00	16	0	166	37	0	533	0	666	30827	1628	15764	17677	13150
91+00	68	0	176	156	0	633	0	791	30983	1628	16397	18468	12515
92+00	116	0	159	341	0	620	0	775	31324	1628	17017	19243	12081
93+00	95	0	41	391	0	370	0	463	31715	1628	17387	19706	12009
94+00	102	0	3	365	0	81	0	101	32080	1628	17468	19807	12273
95+00	17	0	196	220	0	369	0	461	32300	1628	17837	20268	12032
96+00	3	0	181	37	0	698	0	873	32337	1628	18535	21141	11196
97+00	20	0	71	43	0	467	0	584	32380	1628	19002	21725	10655
98+00	31	0	20	94	0	169	0	211	32474	1628	19171	21936	10538
99+00	33	0	23	119	0	80	0	100	32593	1628	19251	22036	10557
100+00	11	0	54	81	0	143	0	179	32674	1628	19394	22215	10459
100+00	11	0	30	0	0	0	0	0	32674	1628	19394	22215	10459
101+00	13	0	20	44	0	93	0	116	32718	1628	19487	22331	10387
102+00	43	0	0	104	0	37	0	46	32822	1628	19524	22377	10445
102+00	57	0	2	0	0	0	0	0	32822	1628	19524	22377	10445
103+00	220	0	0	513	0	4	0	5	33335	1628	19528	22382	10953
104+00	98	0	8	589	0	15	0	19	33924	1628	19543	22401	11523
105+00	63	0	17	298	0	46	0	58	34222	1628	19589	22459	11763
105+50	0	0	0	58	0	16	0	20	34280	1628	19605	22479	11801
	MAINLINE COLUMN SUBTOTALS =			34280	1480	19605	1628	22479	34280	1628	19605	22479	11801

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - ROCK CUT	ROCK EXCAVATION
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - ROCK (10%)	(ROCK CUT)*1.10
5 - FILL (25%)	(UNEXPANDED FILL)*1.25
6 - MASS ORDINATE	CUT + ROCK (10%) - FILL (25%)

EARTHWORK - GOLIATH RD

STATION	AREA (SF) CUT	ROCK CUT	FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	ROCK (10%) NOTE 4	FILL (25%) NOTE 5	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	FILL (25%) NOTE 5	MASS ORDINATE NOTE 6
200'A'+00	0	0	0	0	0	0	0	0	0	0	0	0	0
200'A'+50	22	0	26	20	0	24	0	30	20	0	24	30	-10
201'A'+00	0	0	194	20	0	204	0	255	40	0	228	285	-245
201'A'+18	0	0	165	0	0	122	0	153	40	0	350	438	-398
		COLUMN SUBTOTALS =		40	0	350	0	438	40	0	350	438	-398

EARTHWORK - FLAT IRON AVE

STATION	AREA (SF) CUT	ROCK CUT	FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	ROCK (10%) NOTE 4	FILL (25%) NOTE 5	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	FILL (25%) NOTE 5	MASS ORDINATE NOTE 6
299'B'+90	0	0	0	0	0	0	0	0	0	0	0	0	0
300'B'+00	0	0	0	0	0	0	0	0	0	0	0	0	0
300'B'+50	75	0	1	69	0	1	0	1	69	0	1	1	68
301'B'+00	61	0	13	126	0	13	0	16	195	0	14	17	178
301'B'+50	124	0	0	171	0	12	0	15	366	0	26	32	334
302'B'+00	343	0	0	432	0	0	0	0	798	0	26	32	766
302'B'+50	591	0	0	865	0	0	0	0	1663	0	26	32	1631
303'B'+00	584	0	0	1088	0	0	0	0	2751	0	26	32	2719
303'B'+50	638	0	0	1131	0	0	0	0	3882	0	26	32	3850
304'B'+00	720	0	0	1257	0	0	0	0	5139	0	26	32	5107
304'B'+50	515	0	0	1144	0	0	0	0	6283	0	26	32	6251
304'B'+95	0	0	285	432	0	239	0	299	6715	0	265	331	6384
		COLUMN SUBTOTALS =		6715	0	265	0	331	6715	0	265	331	6384

EARTHWORK - FLAGSHIP AVE

STATION	AREA (SF) CUT	ROCK CUT	FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	ROCK (10%) NOTE 4	FILL (25%) NOTE 5	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	FILL (25%) NOTE 5	MASS ORDINATE NOTE 6
400'C'+00	0	0	0	0	0	0	0	0	0	0	0	0	0
400'C'+50	46	0	13	43	0	12	0	15	43	0	12	15	28
401'C'+00	82	0	0	119	0	12	0	15	162	0	24	30	132
401'C'+50	299	0	0	353	0	0	0	0	515	0	24	30	485
402'C'+00	1359	0	0	1535	0	0	0	0	2050	0	24	30	2020
402'C'+50	1806	0	0	2931	0	0	0	0	4981	0	24	30	4951
403'C'+00	2084	0	0	3602	0	0	0	0	8583	0	24	30	8553
403'C'+50	2132	0	0	3904	0	0	0	0	12487	0	24	30	12457
404'C'+00	1827	0	0	3666	0	0	0	0	16153	0	24	30	16123
404'C'+16	786	0	0	762	0	0	0	0	16915	0	24	30	16885
		COLUMN SUBTOTALS =		16915	0	24	0	30	16915	0	24	30	16885

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - ROCK CUT	ROCK EXCAVATION
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - ROCK (10%)	(ROCK CUT)*1.10
5 - FILL (25%)	(UNEXPANDED FILL)*1.25
6 - MASS ORDINATE	CUT + ROCK (10%) - FILL (25%)

EARTHWORK - FLARE AVE

STATION	AREA (SF) CUT	ROCK CUT	FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	ROCK (10%) NOTE 4	FILL (25%) NOTE 5	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	FILL (25%) NOTE 5	MASS ORDINATE NOTE 6
500'D'+18	0	0	157	0	0	0	0	0	0	0	0	0	0
500'D'+50	33	0	33	20	0	113	0	141	20	0	113	141	-121
501'D'+00	43	0	6	70	0	36	0	45	90	0	149	186	-96
501'D'+50	0	0	0	40	0	6	0	8	130	0	155	194	-64
COLUMN SUBTOTALS =				130	0	155	0	194	130	0	155	194	-64

EARTHWORK - 'F' LINE

STATION	AREA (SF) CUT	ROCK CUT	FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	ROCK (10%) NOTE 4	FILL (25%) NOTE 5	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	FILL (25%) NOTE 5	MASS ORDINATE NOTE 6
700'F'+13	323	0	0	0	0	0	0	0	0	0	0	0	0
700'F'+50	217	0	0	370	0	0	0	0	370	0	0	0	370
701'F'+00	53	0	0	250	0	0	0	0	620	0	0	0	620
701'F'+50	88	0	0	131	0	0	0	0	751	0	0	0	751
701'F'+80	0	0	0	49	0	0	0	0	800	0	0	0	800
COLUMN SUBTOTALS =				800	0	0	0	0	800	0	0	0	800

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - ROCK CUT	ROCK EXCAVATION
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - ROCK (10%)	(ROCK CUT)*1.10
5 - FILL (25%)	(UNEXPANDED FILL)*1.25
6 - MASS ORDINATE	CUT + ROCK (10%) - FILL (25%)

EARTHWORK - 'G' LINE

STATION	AREA (SF) CUT	ROCK CUT	FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	ROCK (10%) NOTE 4	FILL (25%) NOTE 5	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	FILL (25%) NOTE 5	MASS ORDINATE NOTE 6
710'G'+00	27	0	0	0	0	0	0	0	0	0	0	0	0
710'G'+50	337	0	3	337	0	3	0	4	337	0	3	4	333
711'G'+00	316	0	0	605	0	3	0	4	942	0	6	8	934
711'G'+07	363	0	0	93	0	0	0	0	1035	0	6	8	1027
COLUMN SUBTOTALS =				1035	0	6	0	8	1035	0	6	8	1027

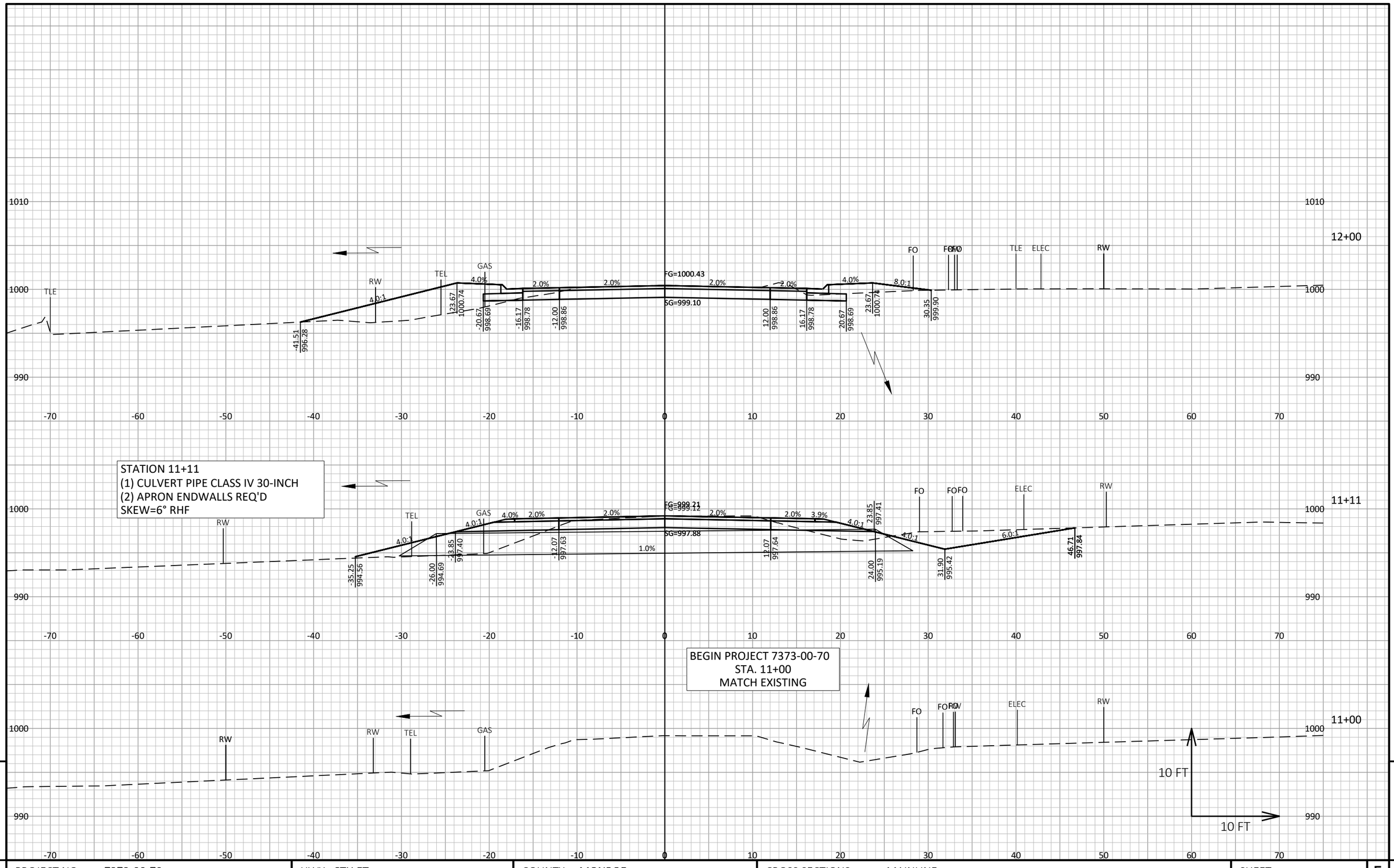
EARTHWORK - 'H' LINE

STATION	AREA (SF) CUT	ROCK CUT	FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	ROCK (10%) NOTE 4	FILL (25%) NOTE 5	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	FILL (25%) NOTE 5	MASS ORDINATE NOTE 6
800'H'+00	0	0	0	0	0	0	0	0	0	0	0	0	0
800'H'+25	3	0	0	1	0	0	0	0	1	0	0	0	1
800'H'+50	6	0	0	4	0	0	0	0	5	0	0	0	5
800'H'+75	13	0	0	9	0	0	0	0	14	0	0	0	14
801'H'+00	37	0	0	23	0	0	0	0	37	0	0	0	37
801'H'+25	66	0	0	48	0	0	0	0	85	0	0	0	85
801'H'+35	71	0	0	25	0	0	0	0	110	0	0	0	110
COLUMN SUBTOTALS =				110	0	0	0	0	110	0	0	0	110

EARTHWORK - 'I' LINE

STATION	AREA (SF) CUT	ROCK CUT	FILL	INCREMENTAL VOLUME (CY) CUT NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	ROCK (10%) NOTE 4	FILL (25%) NOTE 5	CUMULATIVE VOLUME (CY) CUT 1.00 NOTE 1	ROCK CUT NOTE 2	FILL NOTE 3	FILL (25%) NOTE 5	MASS ORDINATE NOTE 6
900'H'+31	266	0	0	0	0	0	0	0	0	0	0	0	0
900'H'+50	425	0	0	243	0	0	0	0	243	0	0	0	243
900'H'+75	64	0	0	226	0	0	0	0	469	0	0	0	469
901'H'+00	17	0	0	38	0	0	0	0	507	0	0	0	507
901'H'+25	1	0	0	8	0	0	0	0	515	0	0	0	515
901'H'+35	0	0	0	0	0	0	0	0	515	0	0	0	515
COLUMN SUBTOTALS =				515	0	0	0	0	515	0	0	0	515
MAINLINE				34280	1480	19605	1628	22479	34280	1628	19605	22479	11801
GOLIATH RD				40	0	350	0	438	34320	1628	19955	22917	11403
FLAT IRON AVE				6715	0	265	0	331	41035	1628	20220	23248	17787
FLAGSHIP AVE				16915	0	24	0	30	57950	1628	20244	23278	34672
FLARE AVE				130	0	155	0	194	58080	1628	20399	23472	34608
'F' LINE				800	0	0	799	799	58880	1628	20399	23278	35472
'G' LINE				1035	0	6	0	8	59915	1628	20405	23286	36499
'H' LINE				110	0	0	0	0	60025	1628	20405	23286	36609
'I' LINE				515	0	0	0	0	60540	1628	20405	23286	37124

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - ROCK CUT	ROCK EXCAVATION
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - ROCK (10%)	(ROCK CUT)*1.10
5 - FILL (25%)	(UNEXPANDED FILL)*1.25
6 - MASS ORDINATE	CUT + ROCK (10%) - FILL (25%)

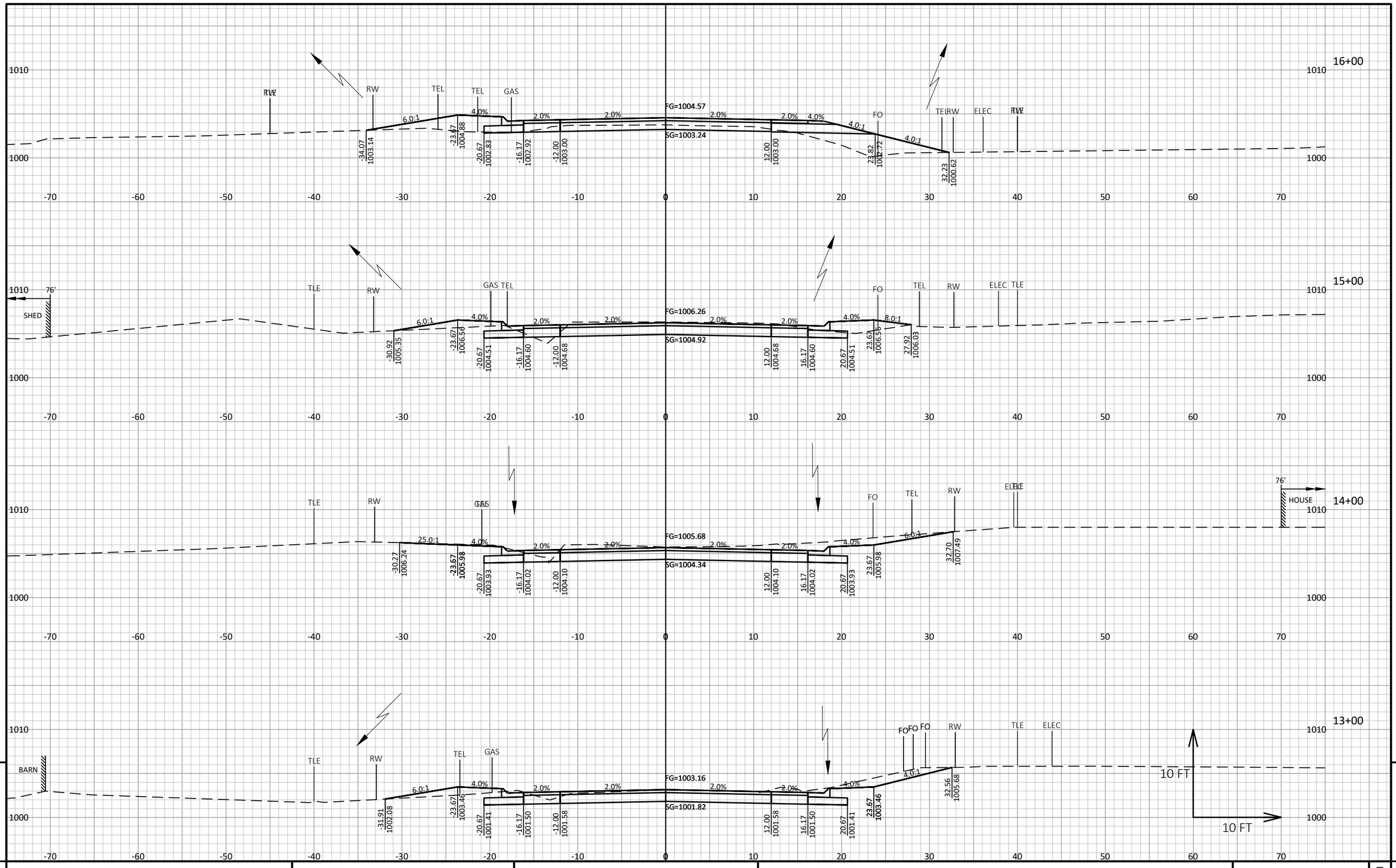


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 144	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 1

PLOT DATE : 10/29/2021 2:16 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

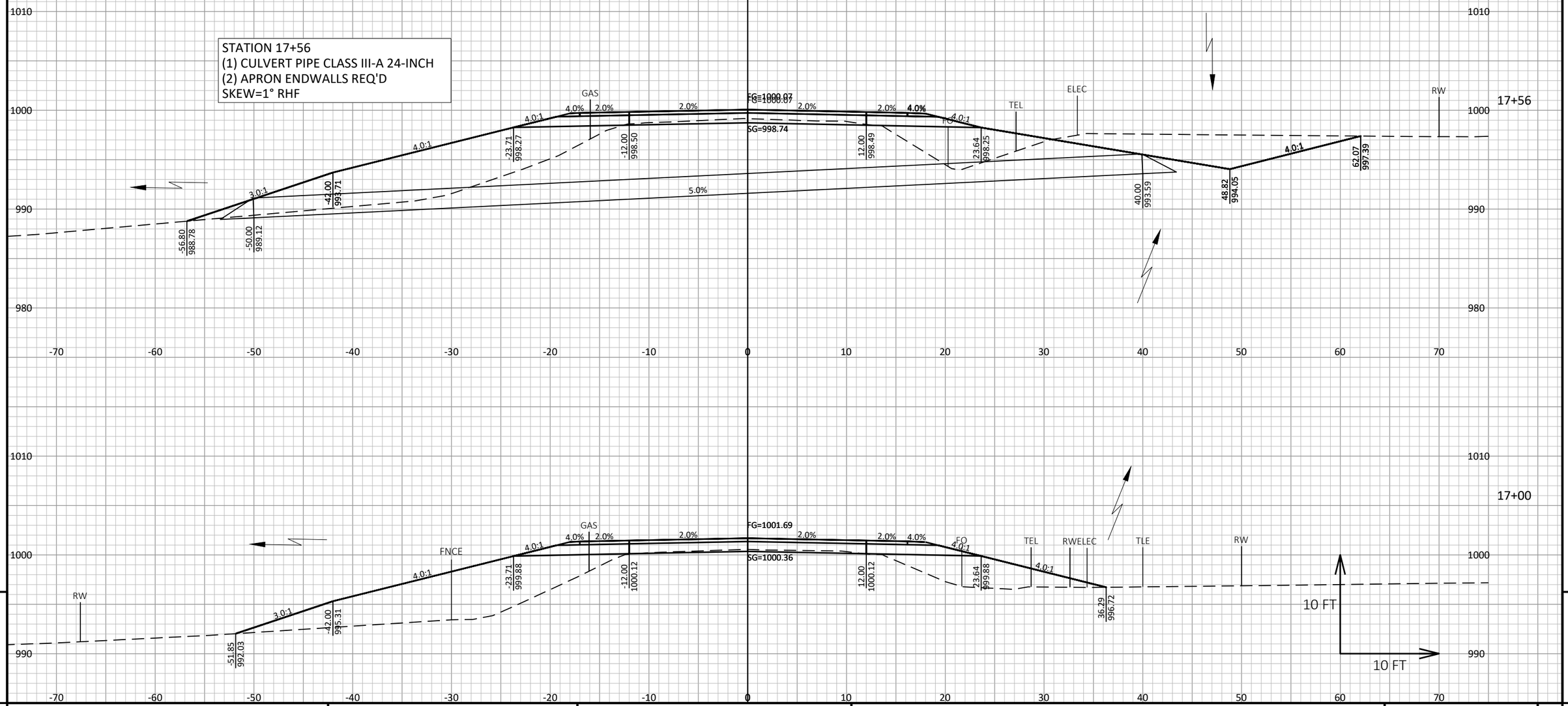
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 145	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 2

PLOT DATE : 10/29/2021 2:16 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STATION 17+56
(1) CULVERT PIPE CLASS III-A 24-INCH
(2) APRON ENDWALLS REQ'D
SKEW=1° RHF

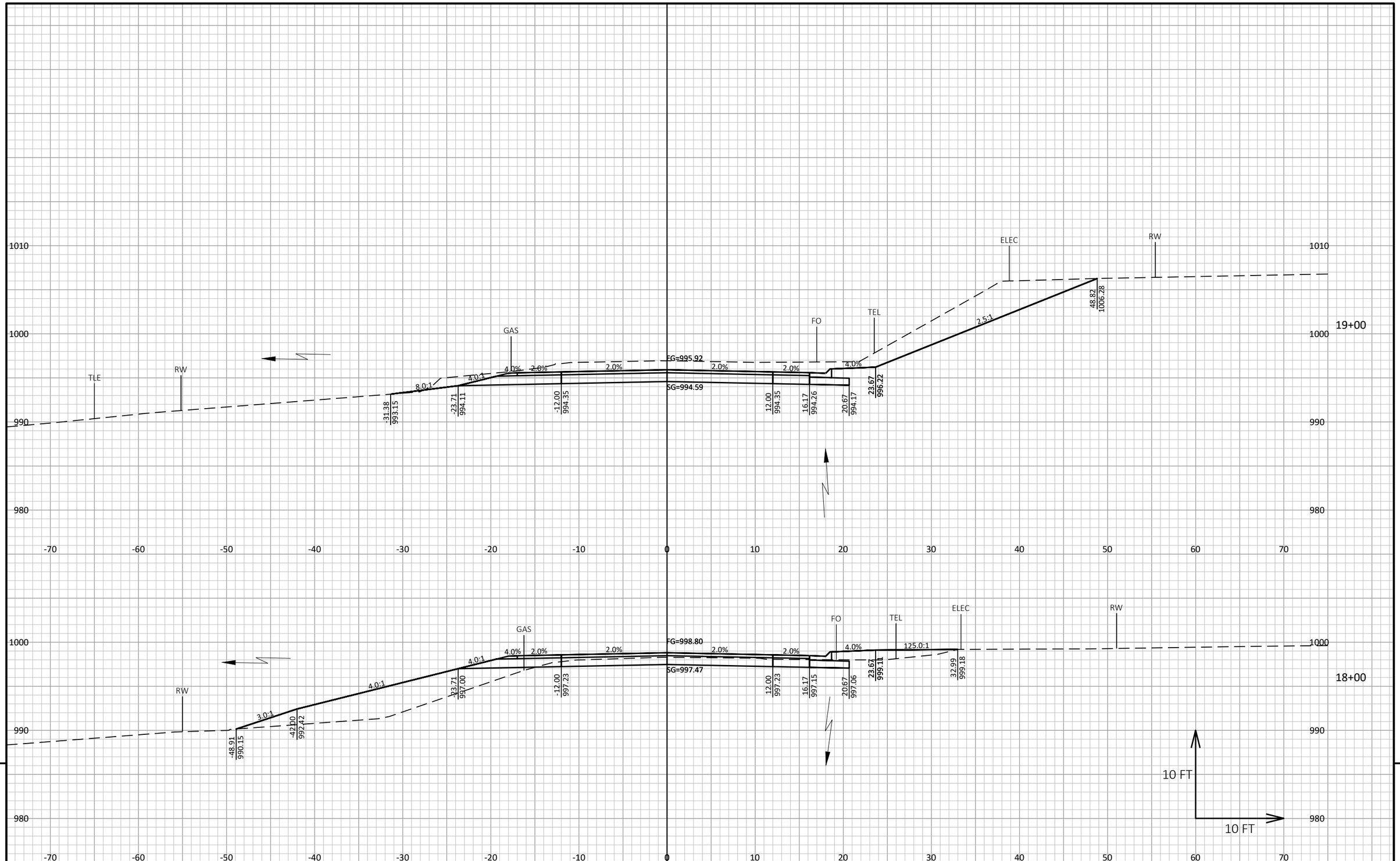


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 146 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 3

PLOT DATE : 10/29/2021 2:16 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

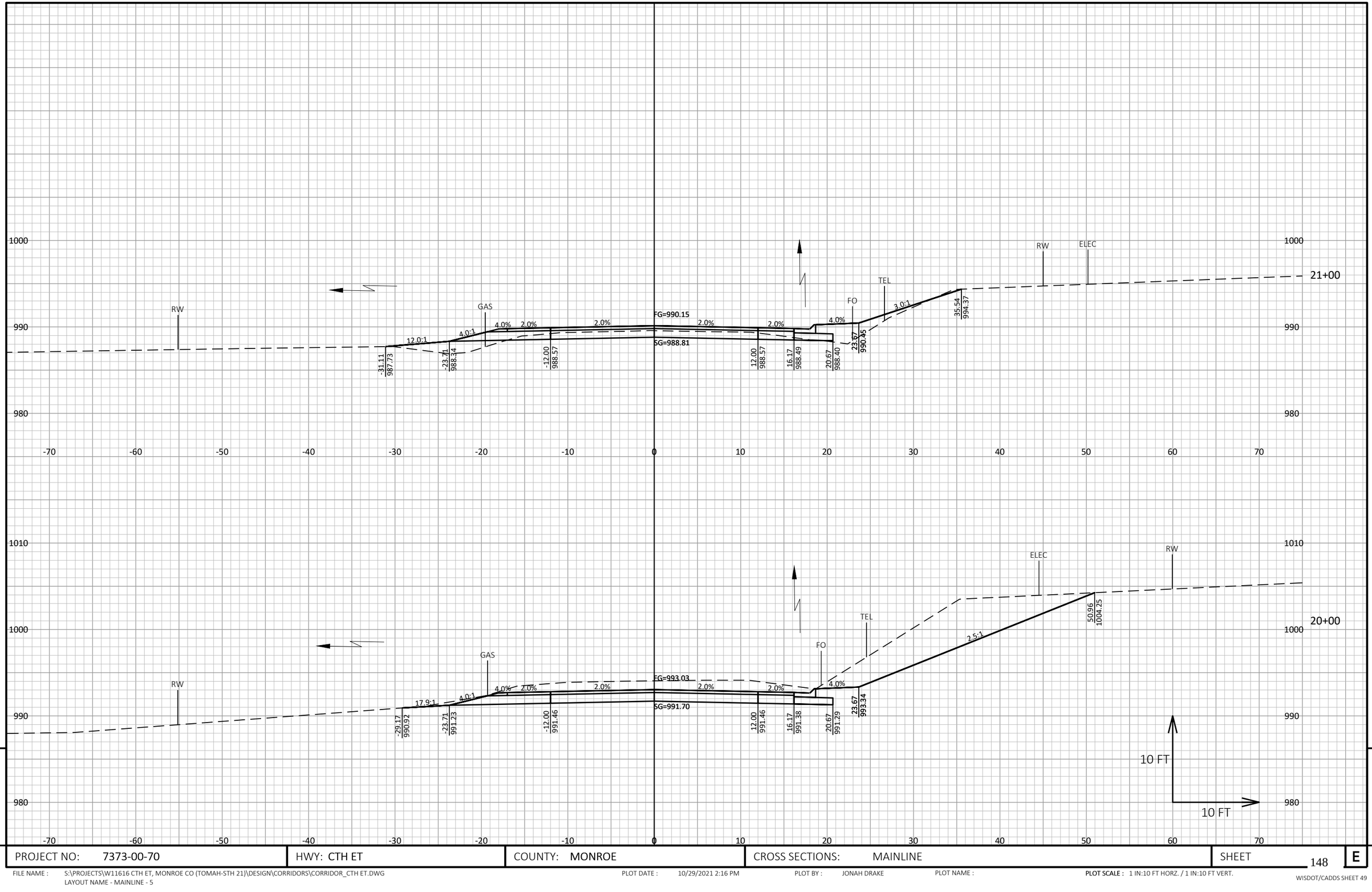


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 147	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 4

PLOT DATE : 10/29/2021 2:16 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

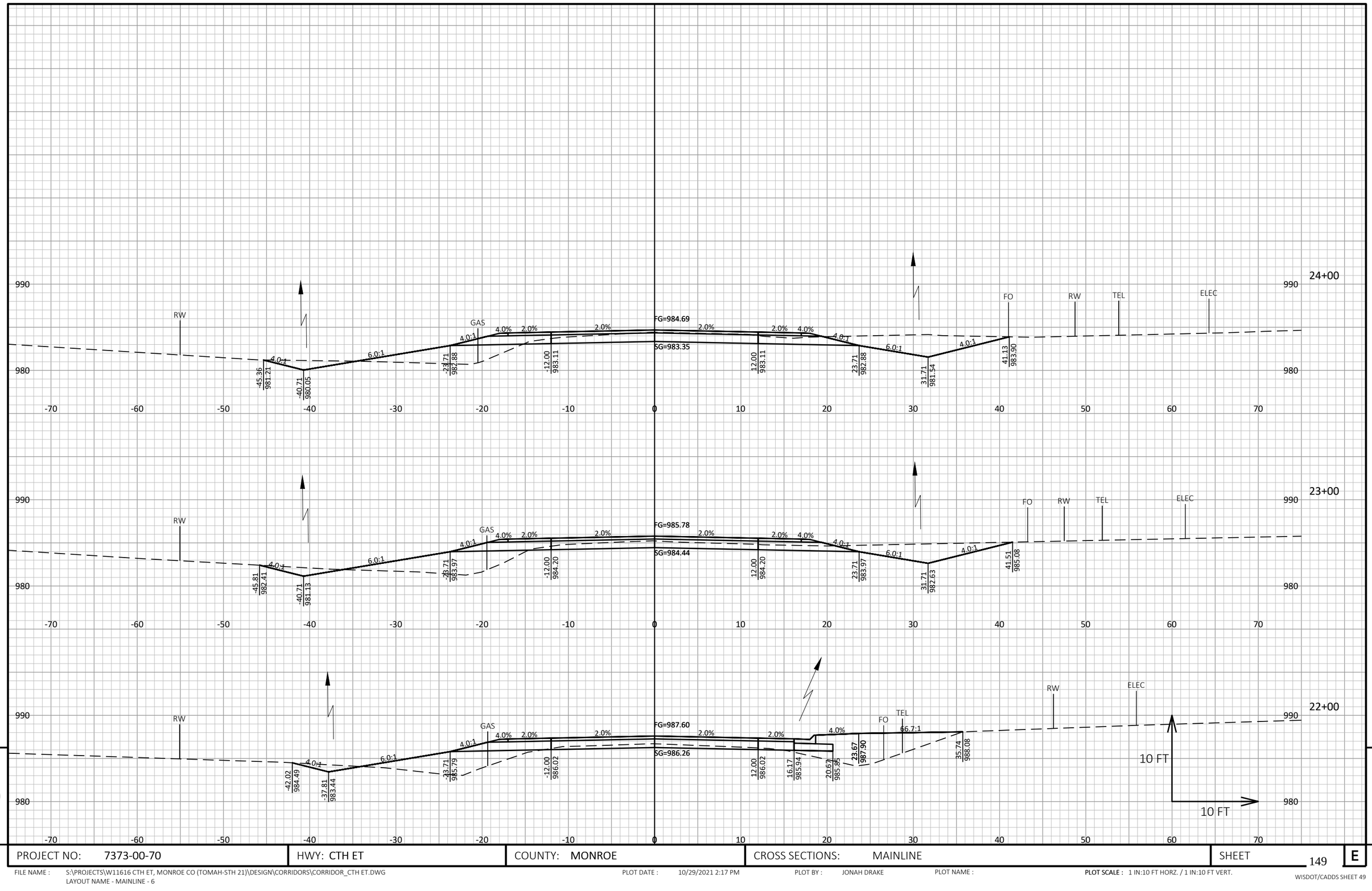
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 148	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 5

PLOT DATE : 10/29/2021 2:16 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 149	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 6

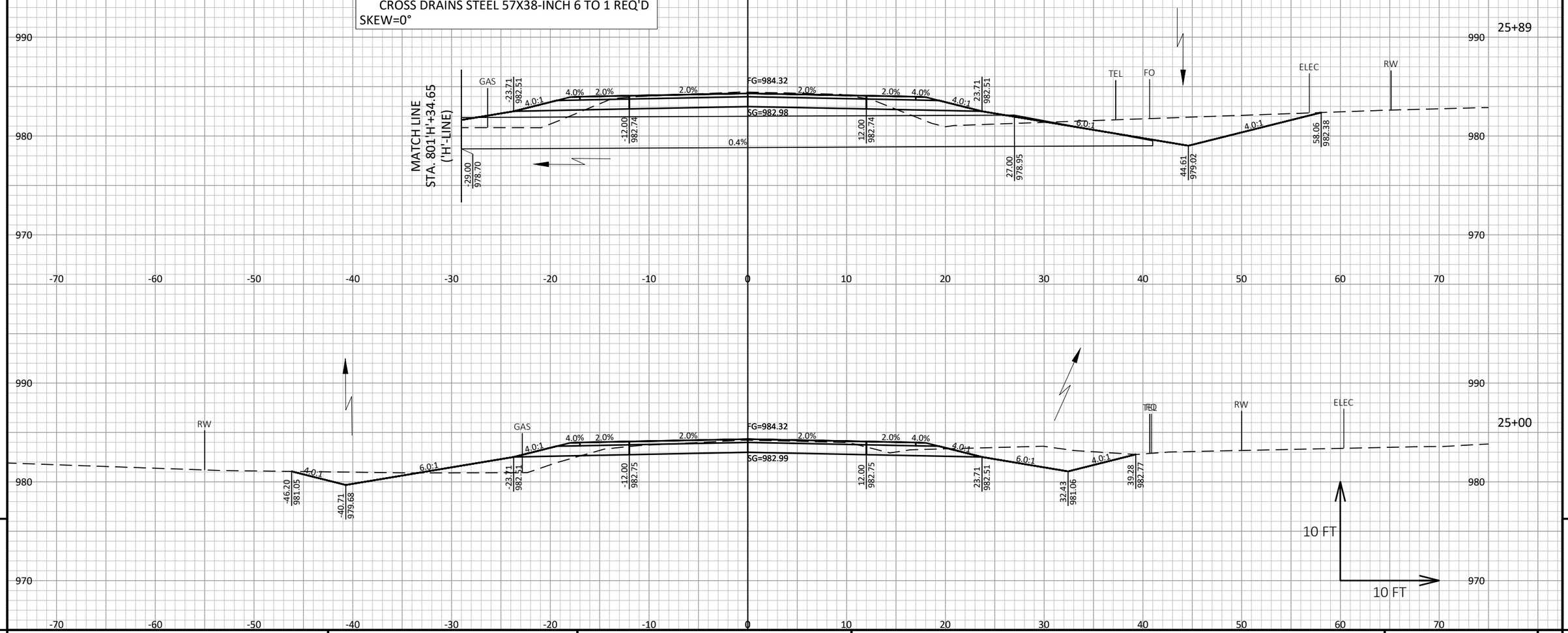
PLOT DATE : 10/29/2021 2:17 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STATION 25+81
(1) PIPE ARCH CORRUGATED STEEL 57X38-INCH
(2) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 57X38-INCH 6 TO 1 REQ'D
SKEW=0°

STATION 25+89
(1) PIPE ARCH CORRUGATED STEEL 57X38-INCH
(2) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 57X38-INCH 6 TO 1 REQ'D
SKEW=0°

STATION 25+97
(1) PIPE ARCH CORRUGATED STEEL 57X38-INCH
(2) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 57X38-INCH 6 TO 1 REQ'D
SKEW=0°

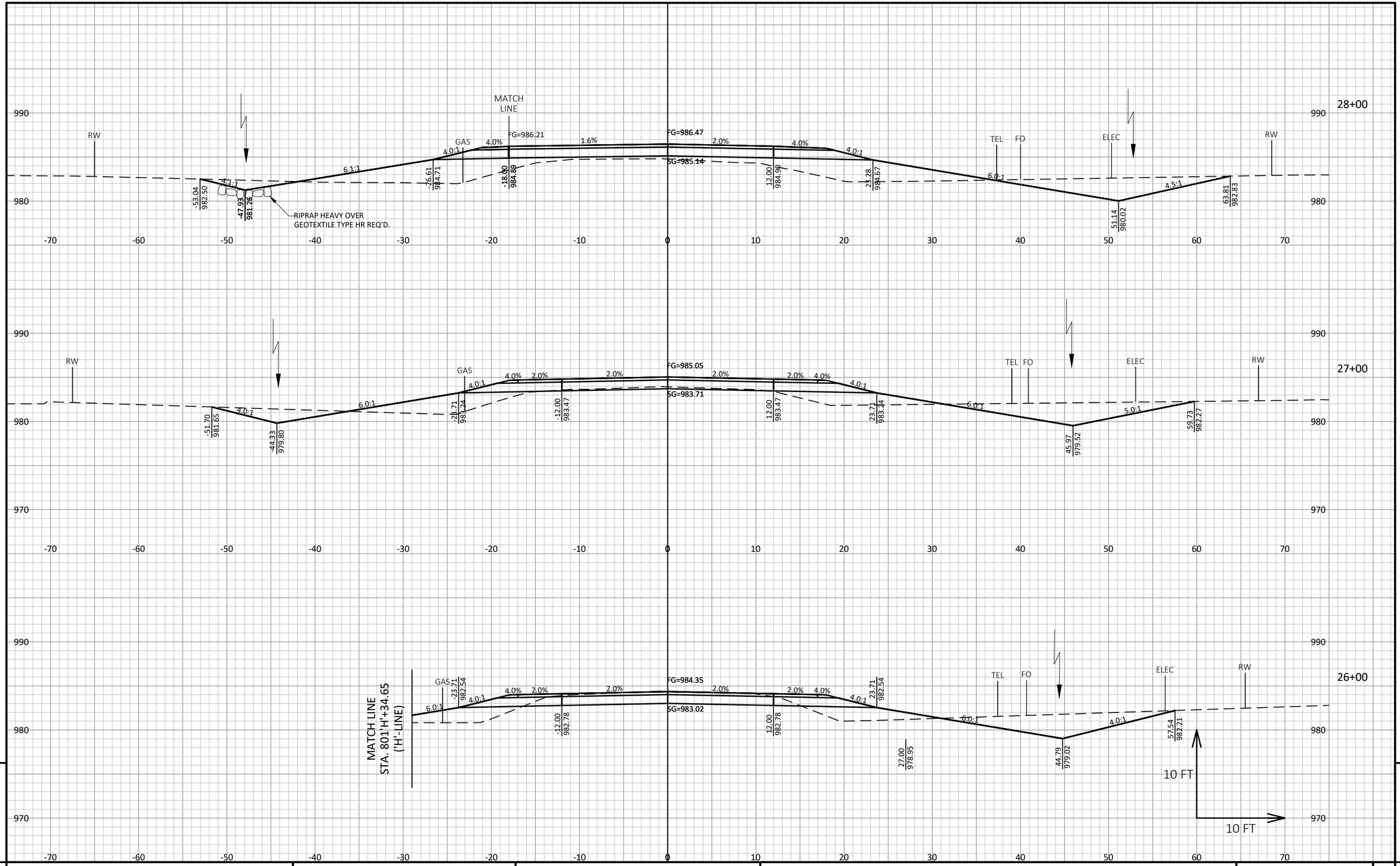


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 150	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 7

PLOT DATE : 10/29/2021 2:17 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

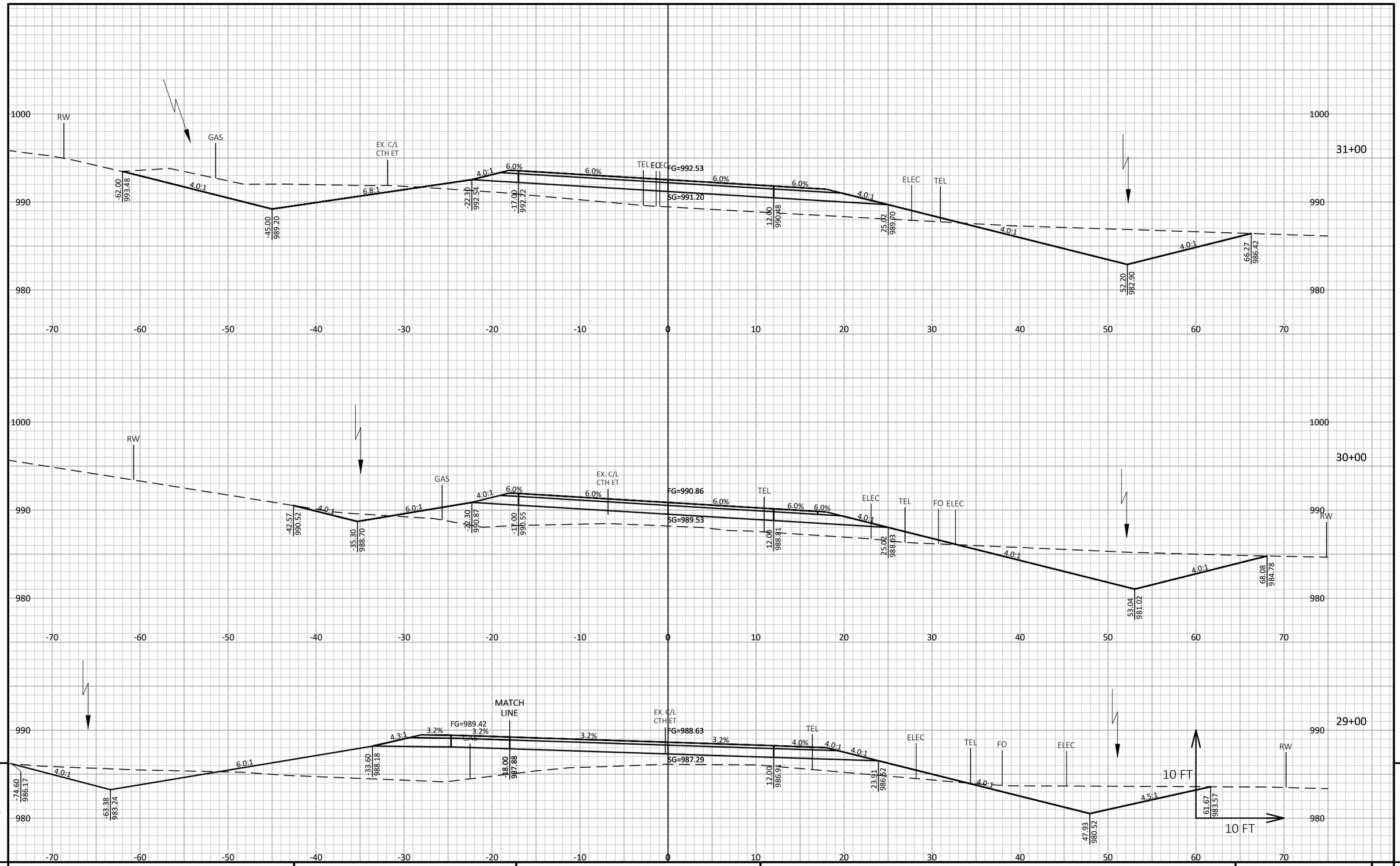
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 151	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 8

PLOT DATE : 10/29/2021 2:17 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

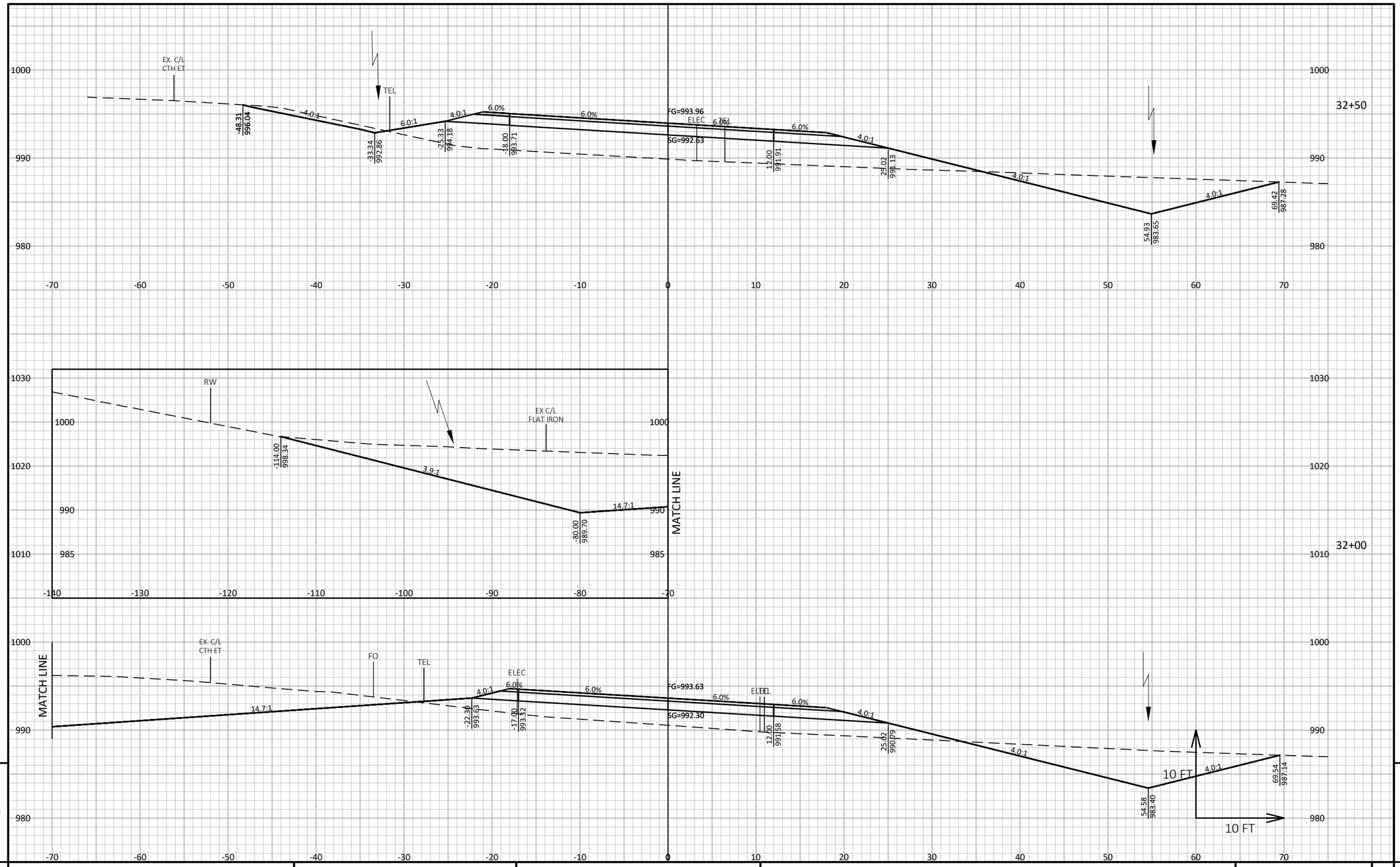


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 152	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 9

PLOT DATE : 10/29/2021 2:17 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

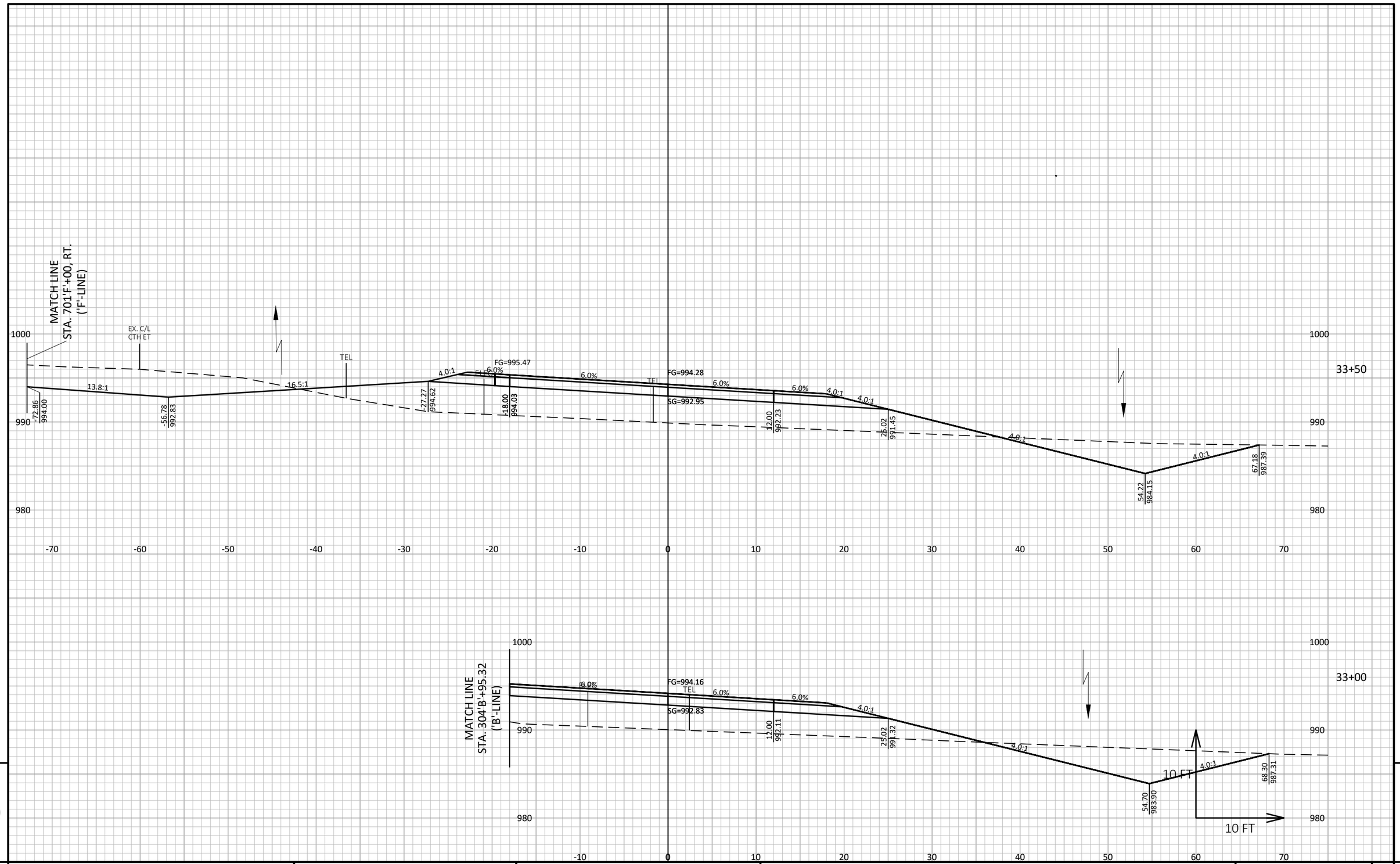


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 153 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 10

PLOT DATE : 10/29/2021 2:17 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



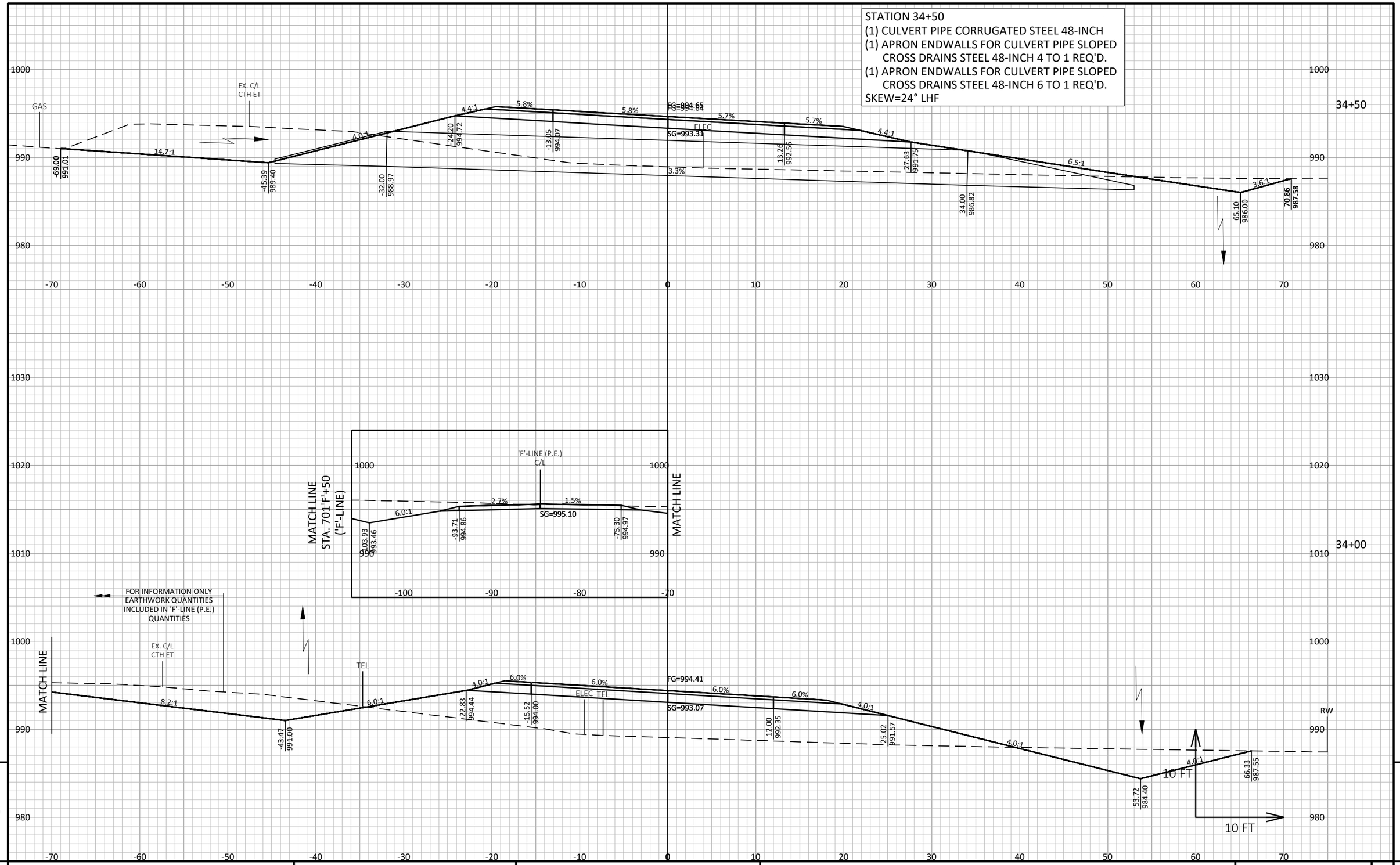
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 154	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 11

PLOT DATE : 10/29/2021 2:17 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

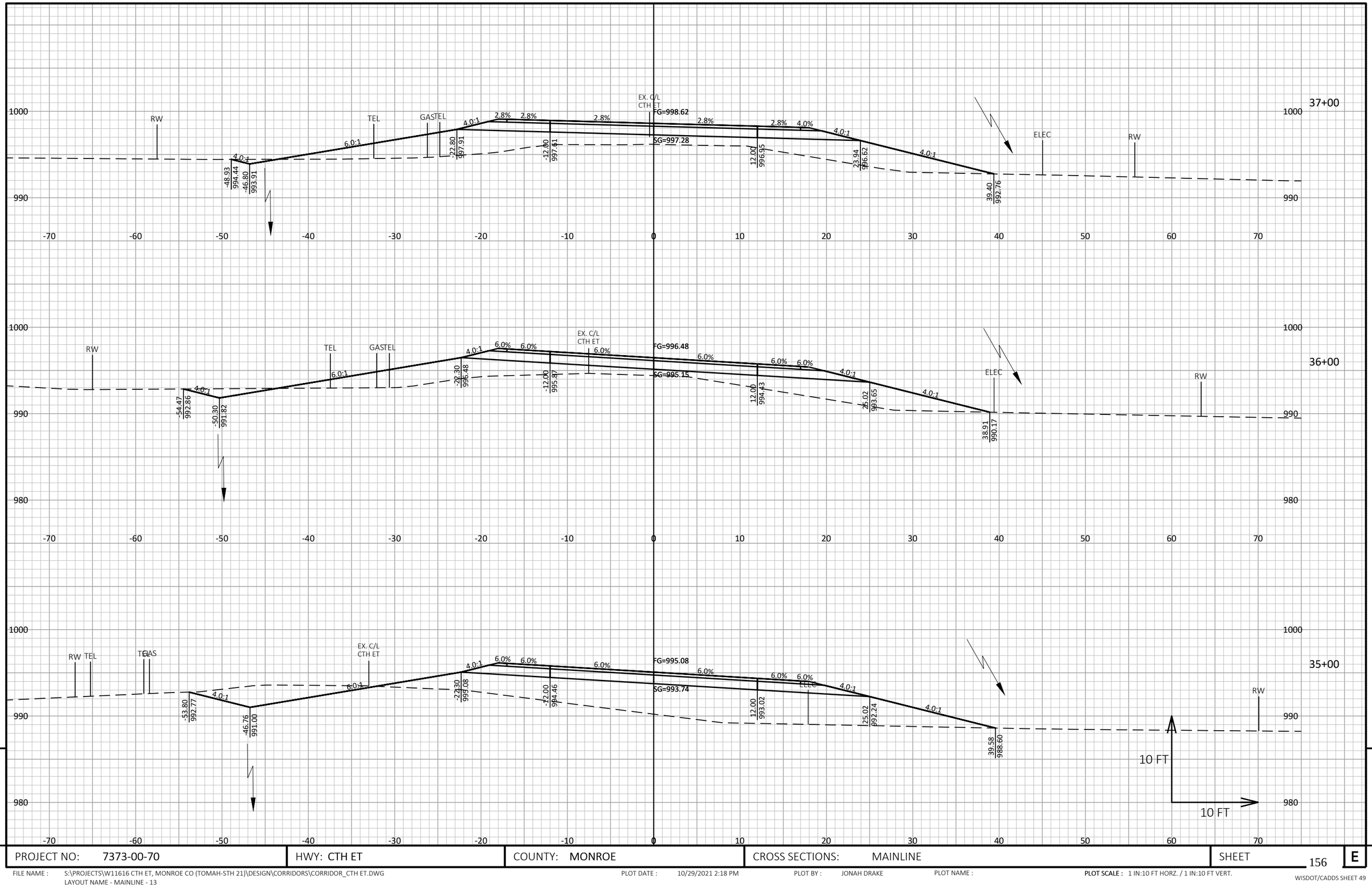
WISDOT/CADDS SHEET 49

STATION 34+50
(1) CULVERT PIPE CORRUGATED STEEL 48-INCH
(1) APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 4 TO 1 REQ'D.
(1) APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 48-INCH 6 TO 1 REQ'D.
SKEW=24° LHF



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 155

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 12
PLOT DATE : 2/10/2022 4:09 PM
PLOT BY : KARTER ZAJICEK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

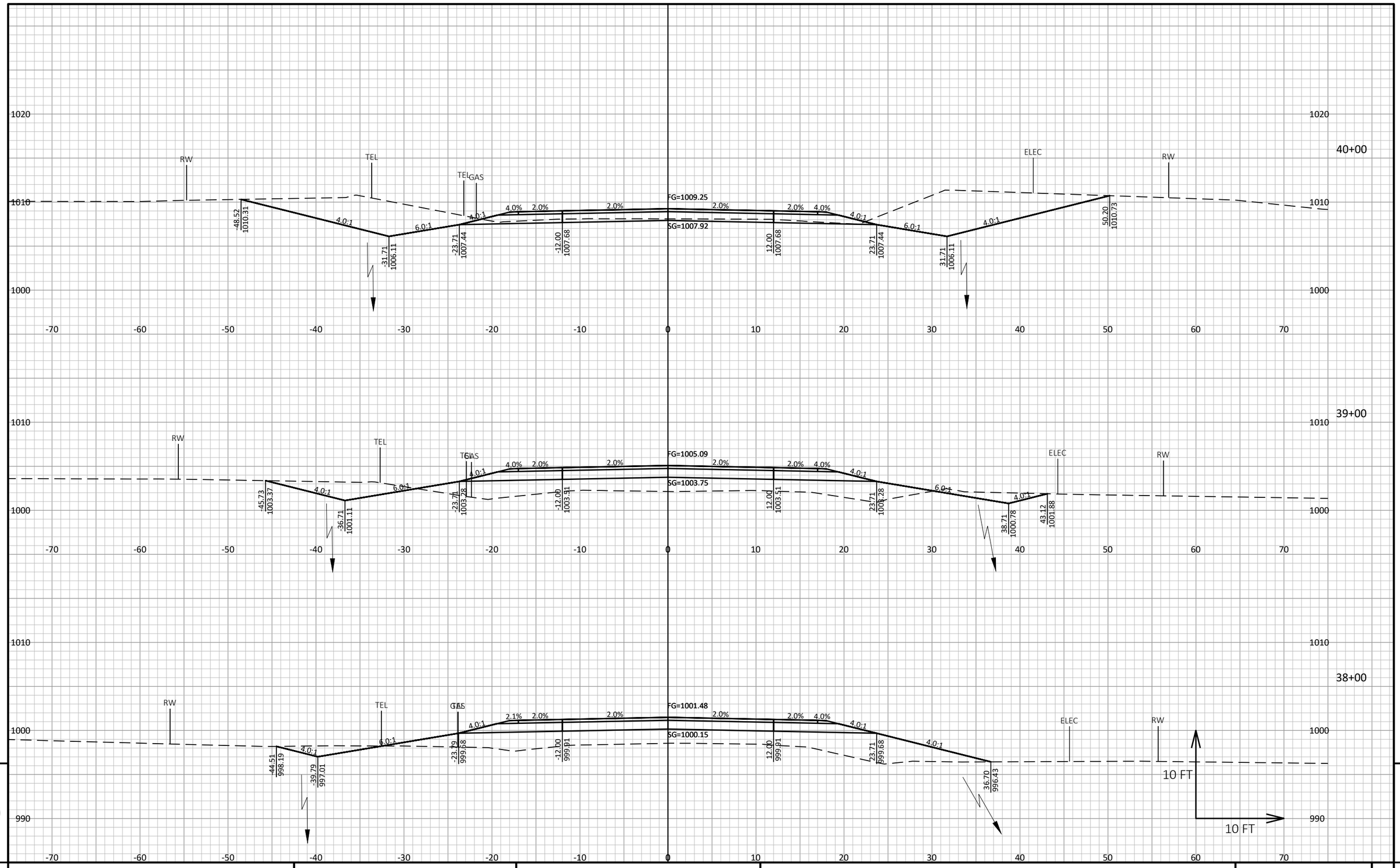
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 156	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 13

PLOT DATE : 10/29/2021 2:18 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

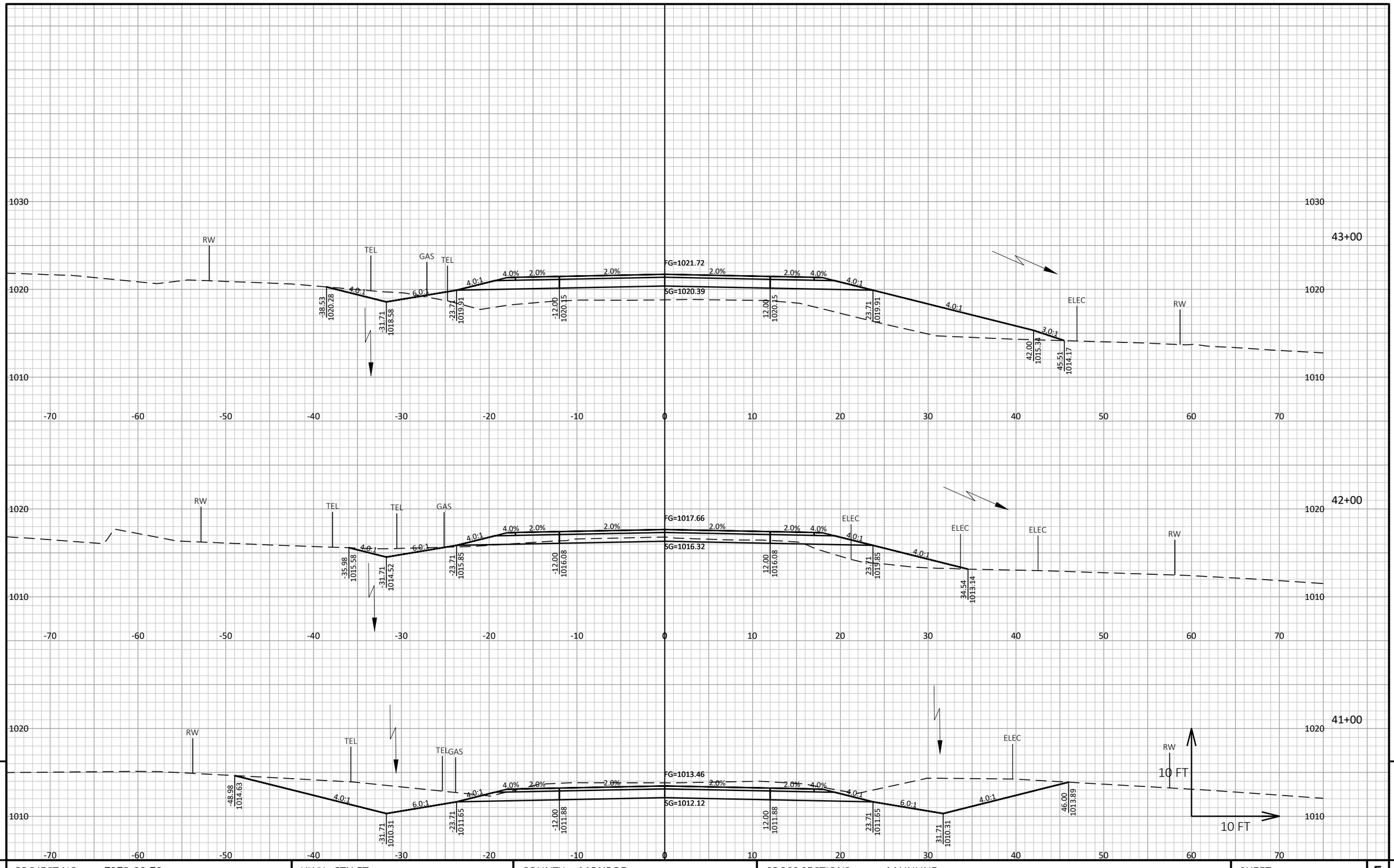


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 157	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 14

PLOT DATE : 10/29/2021 2:18 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

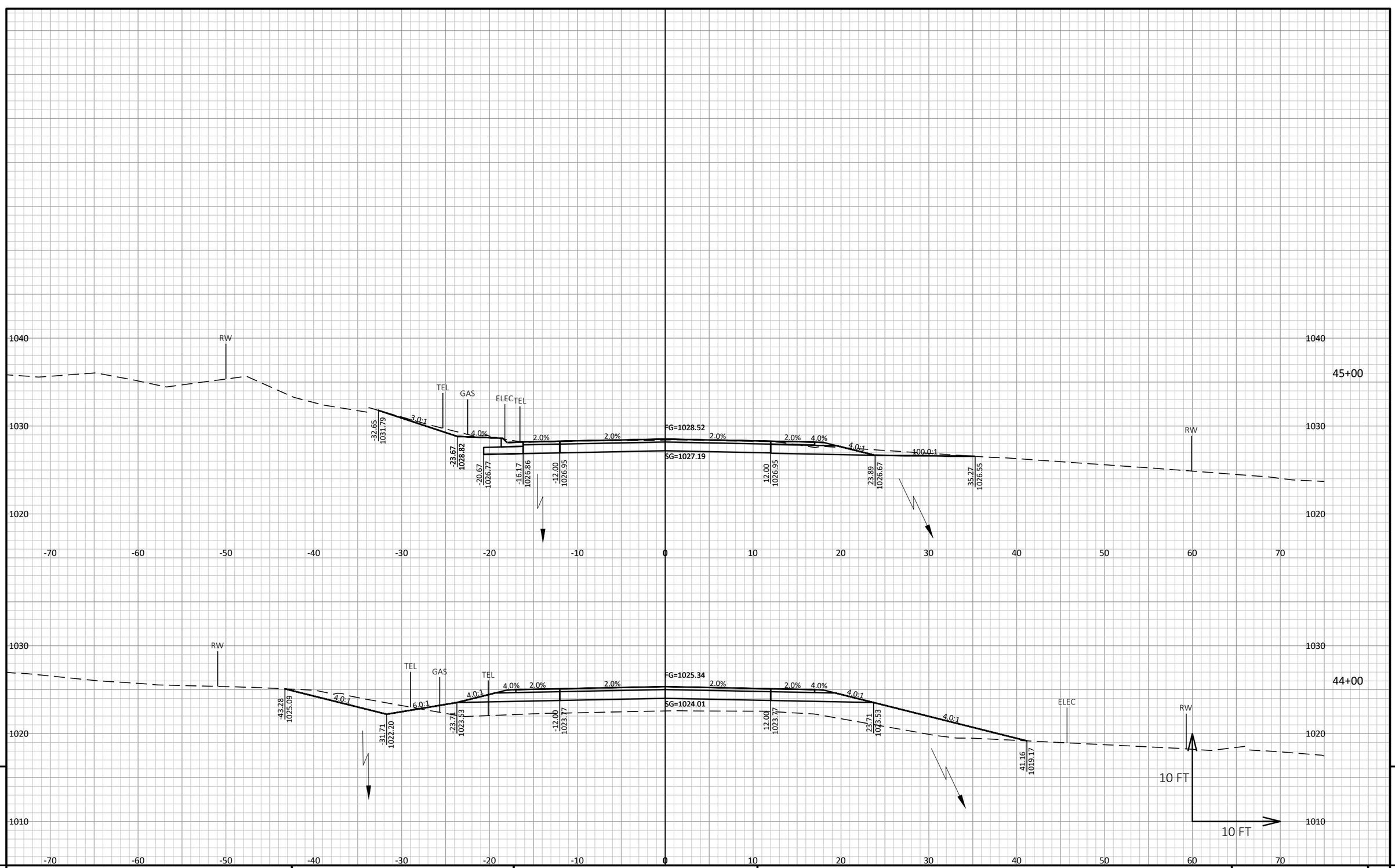
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 158	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 15

PLOT DATE : 10/29/2021 2:18 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 159	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 16

PLOT DATE : 10/29/2021 2:18 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

LIMITS OF EXCAVATION ROCK

RW

-60.50
1046.32

3.0:1

TEL

GAS

ELEC

TEL

-23.67
1034.16

4.0%

2.0%

2.0%

2.0%

2.0%

4.0%

FG=1033.86

SG=1032.53

4.0:1

10.0:1

RW

-20.67
1032.11

-16.17
1032.20

-12.00
1032.29

12.00
1032.29

23.89
1032.01

40.88
1030.31

47+00

1050
1040
1030
1020

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

LIMITS OF EXCAVATION ROCK

RW

-53.29
1043.41

2.5:1

TEL

ELEC

GAS

TEL

-23.67
1031.56

4.0%

2.0%

2.0%

2.0%

2.0%

4.0%

FG=1031.26

SG=1029.93

4.0:1

6.0:1

6.0:1

RW

-20.67
1029.52

-16.17
1029.60

-12.00
1029.69

12.00
1029.69

23.89
1029.41

31.89
1028.08

51.95
1031.43

10 FT

10 FT

46+00

1050
1040
1030
1020

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

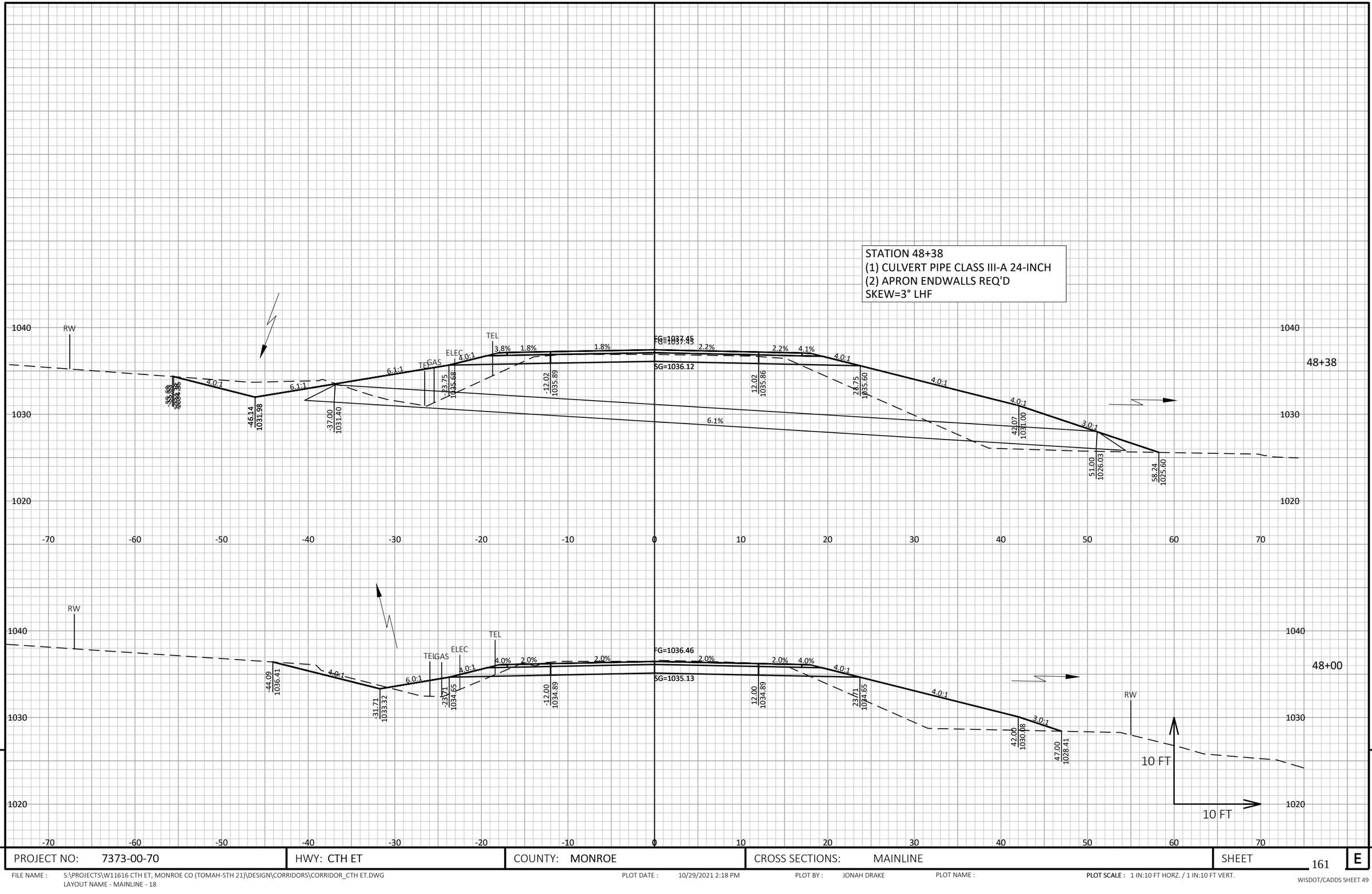
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 160	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 17

PLOT DATE : 10/29/2021 2:18 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STATION 48+38
(1) CULVERT PIPE CLASS III-A 24-INCH
(2) APRON ENDWALLS REQ'D
SKEW=3° LHF

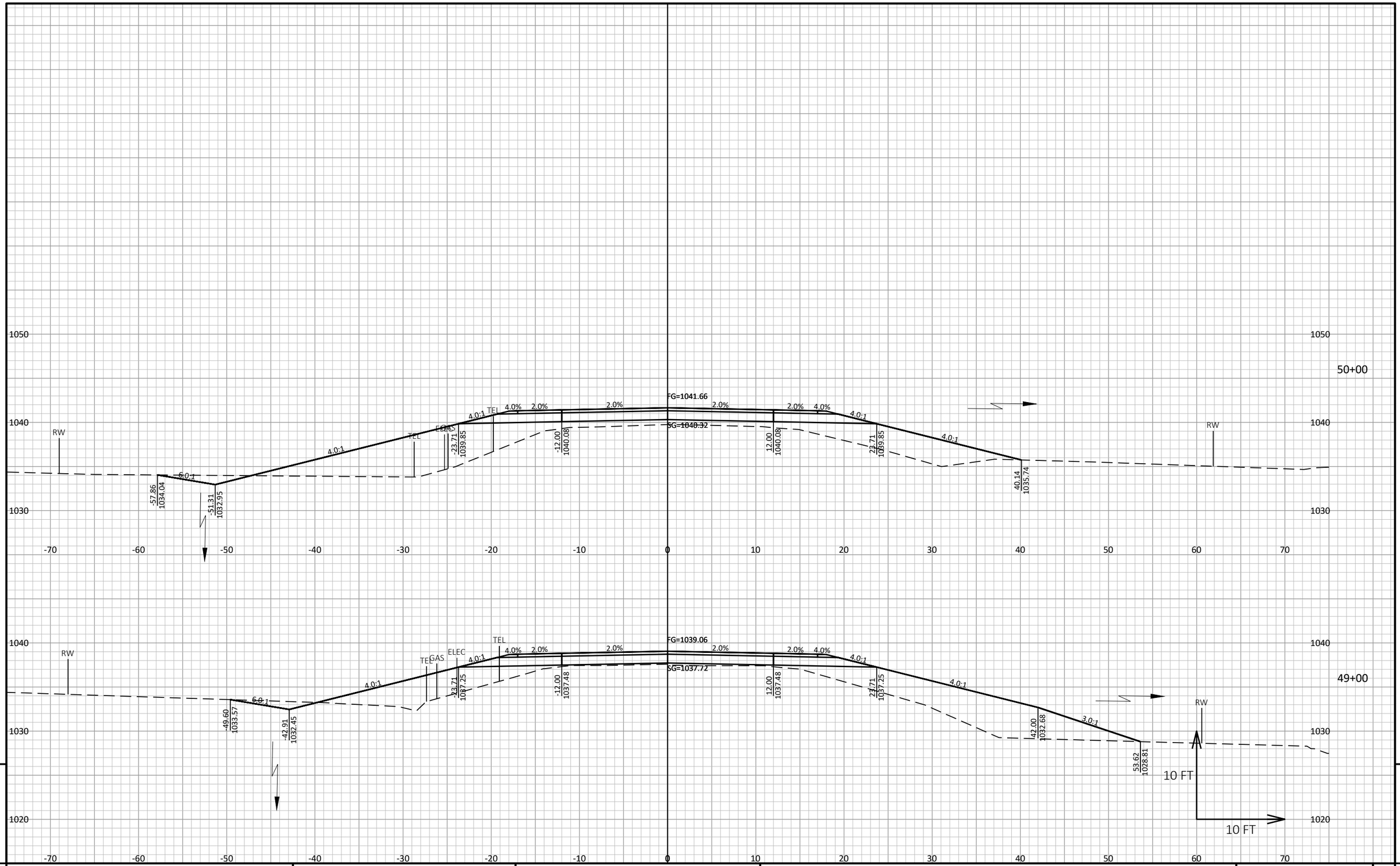


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 161	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 18

PLOT DATE : 10/29/2021 2:18 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

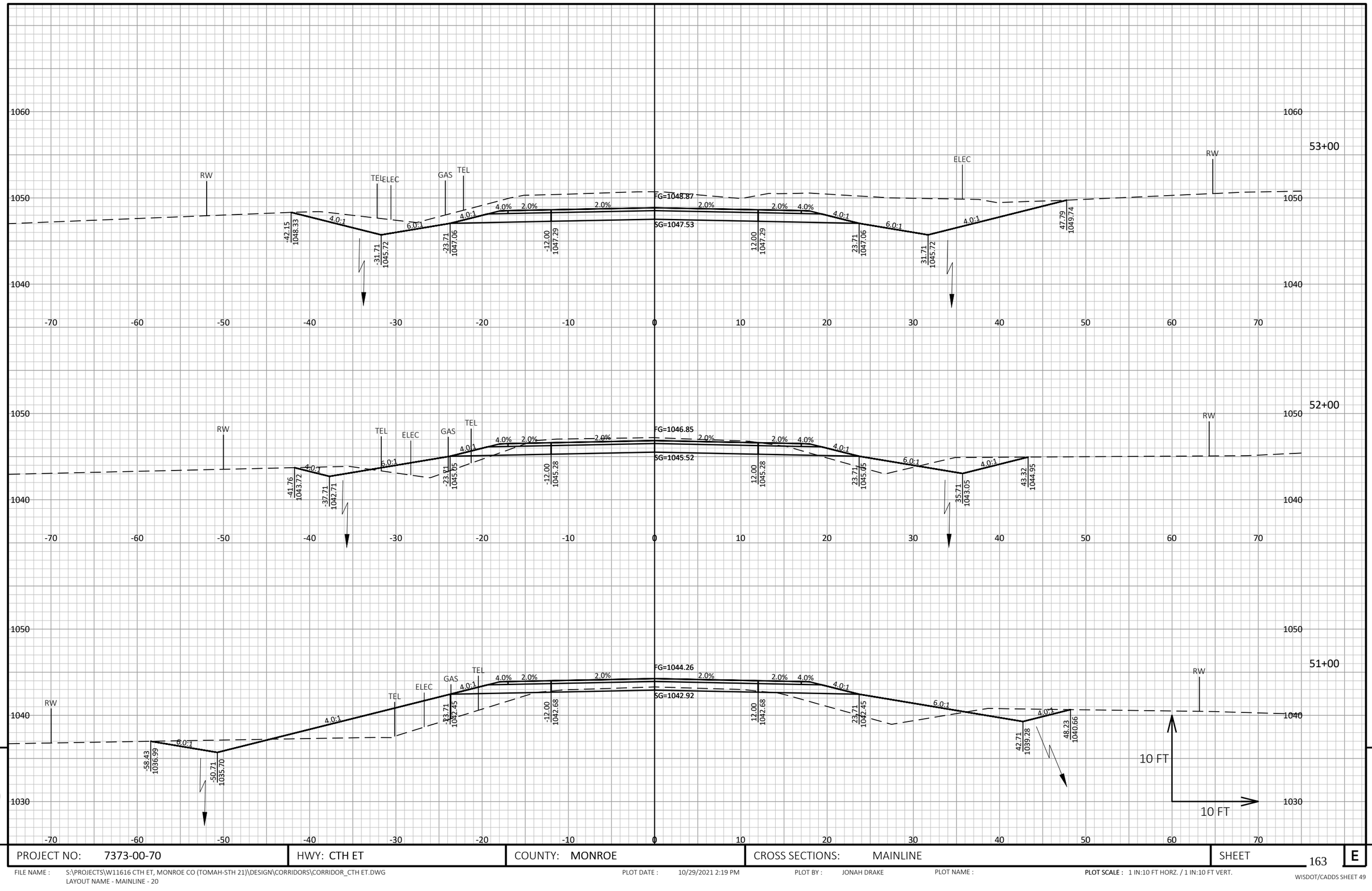
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 162 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 19

PLOT DATE : 10/29/2021 2:19 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

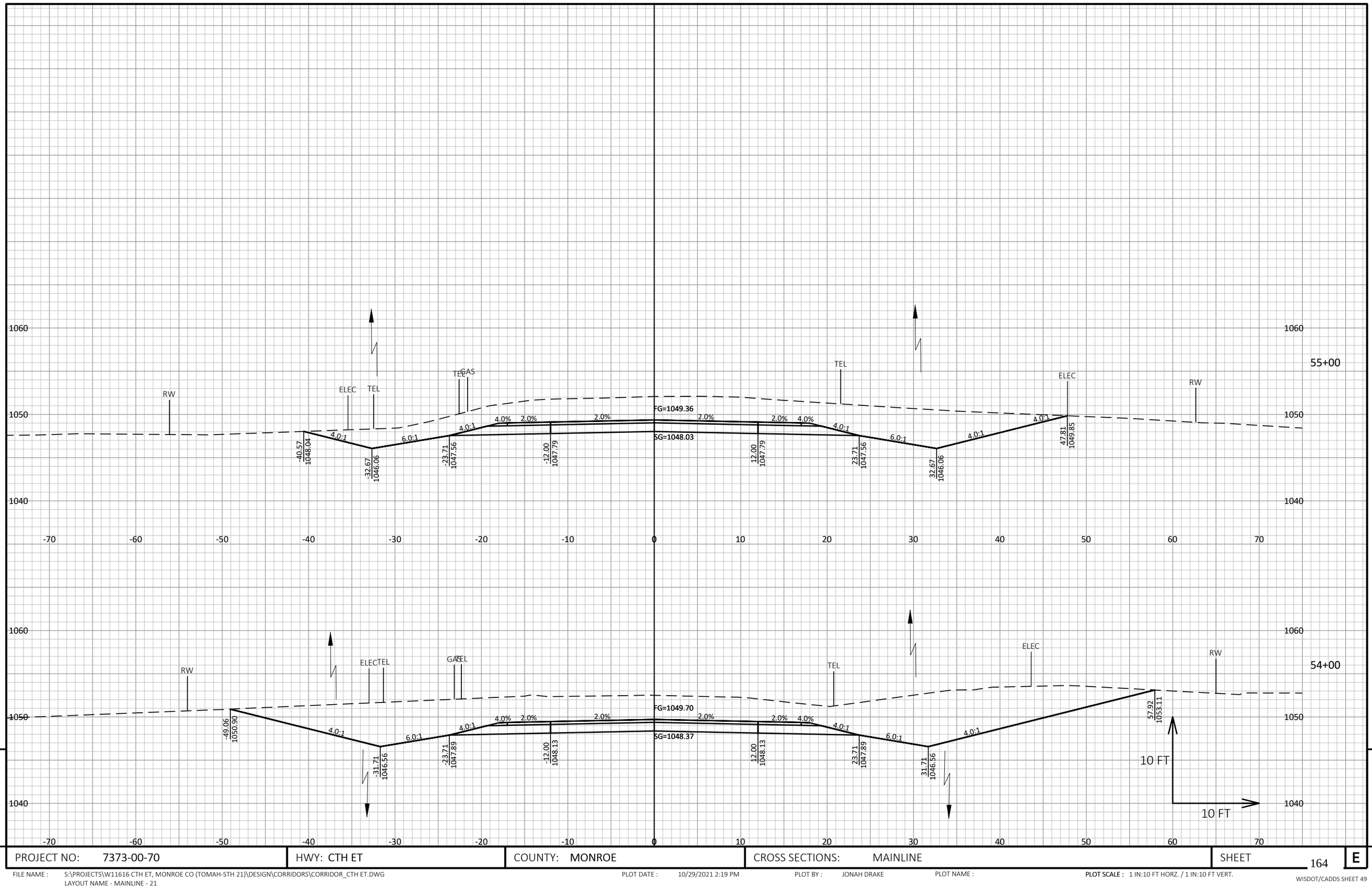


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 163	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 20

PLOT DATE : 10/29/2021 2:19 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

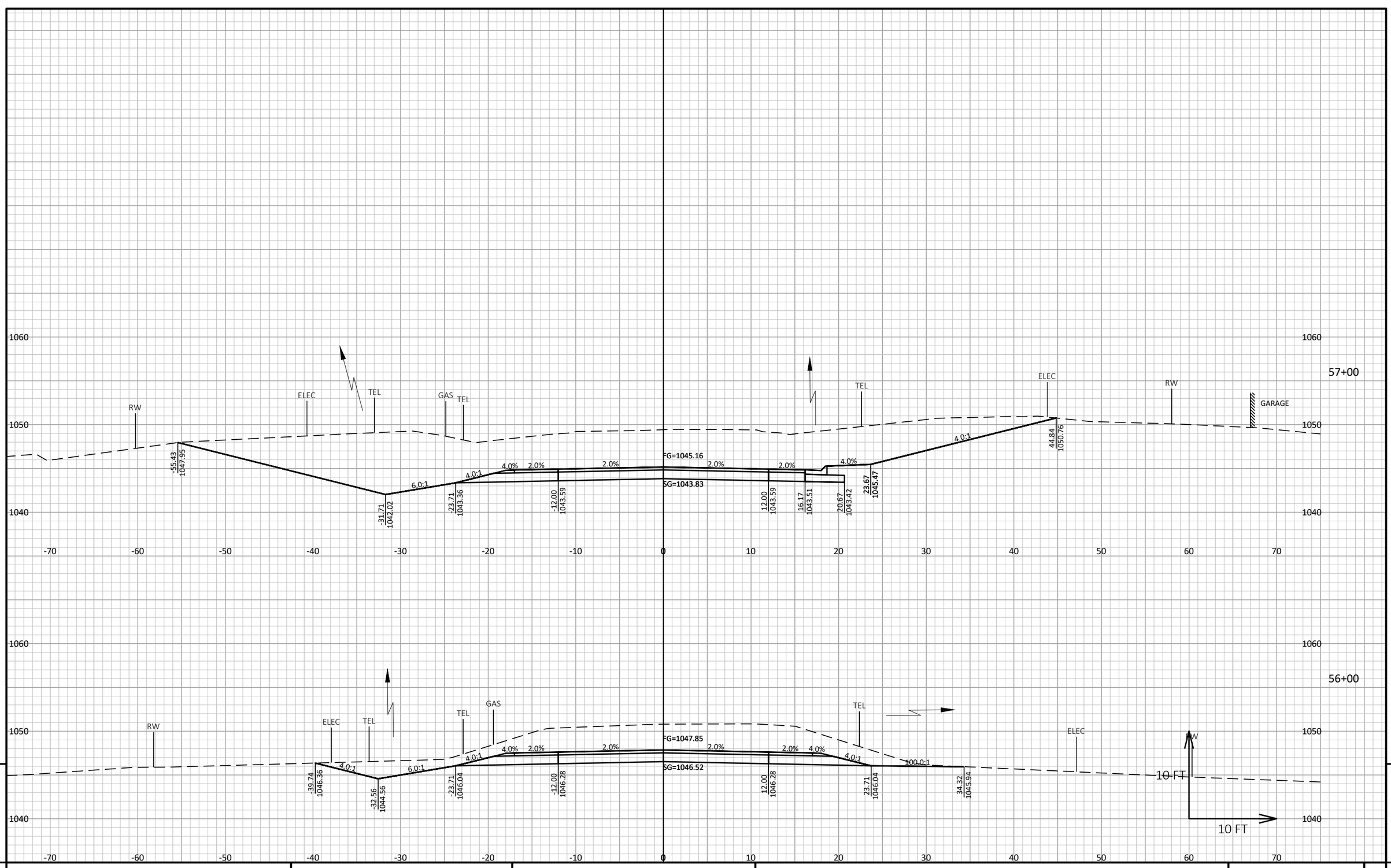


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 164	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 21

PLOT DATE : 10/29/2021 2:19 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

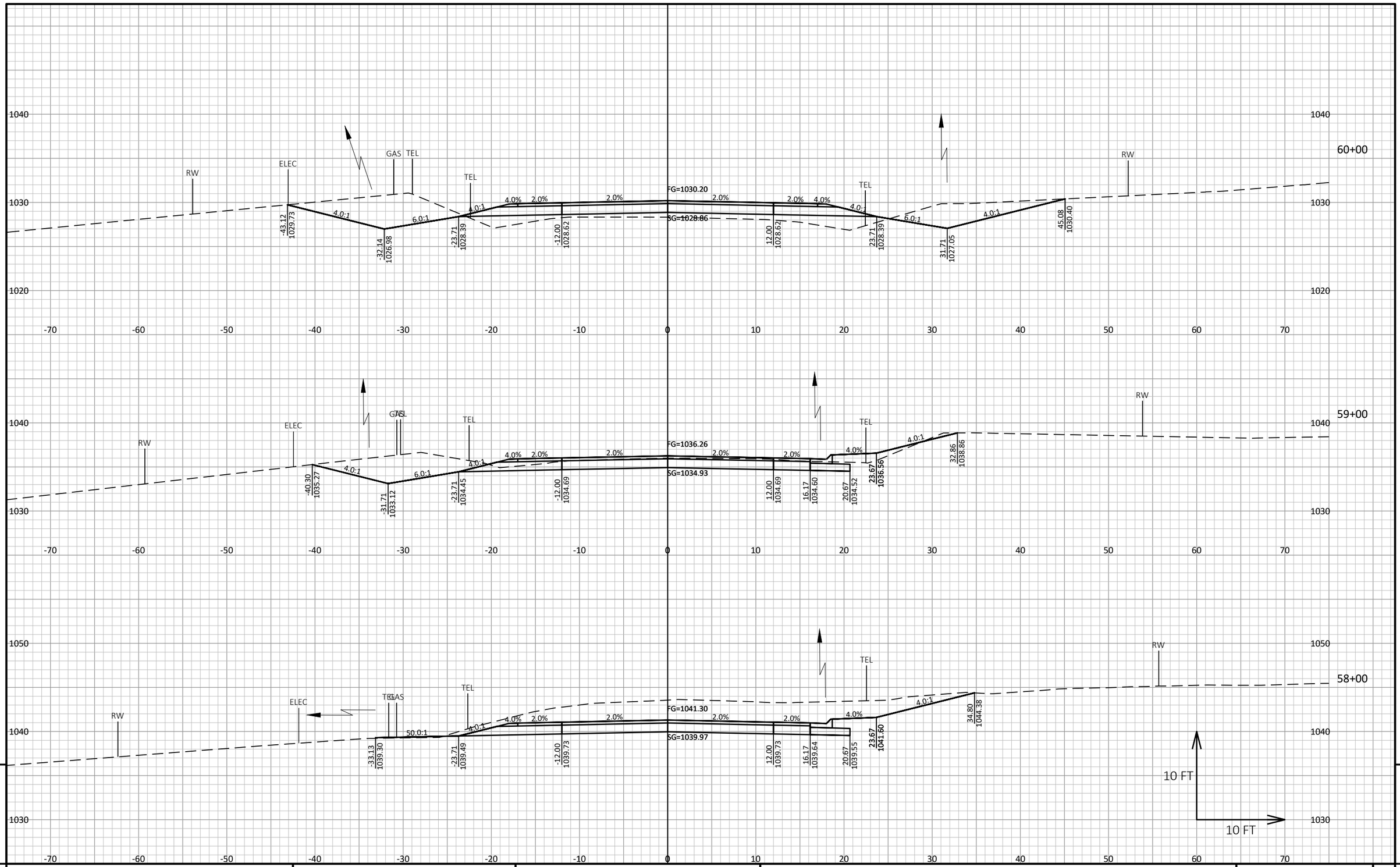
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 165	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 22

PLOT DATE : 10/29/2021 2:19 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

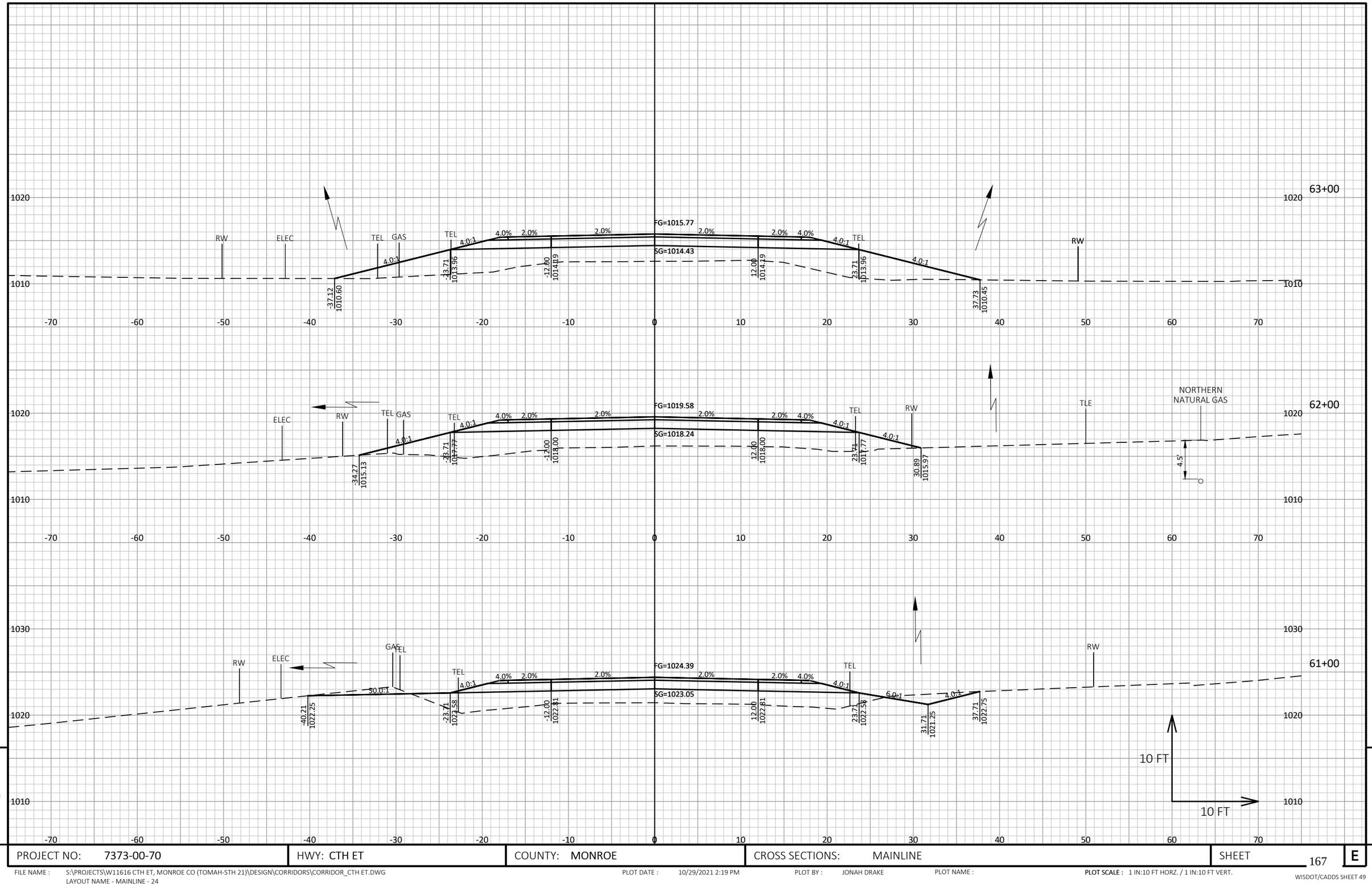


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 166	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 23

PLOT DATE : 10/29/2021 2:19 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

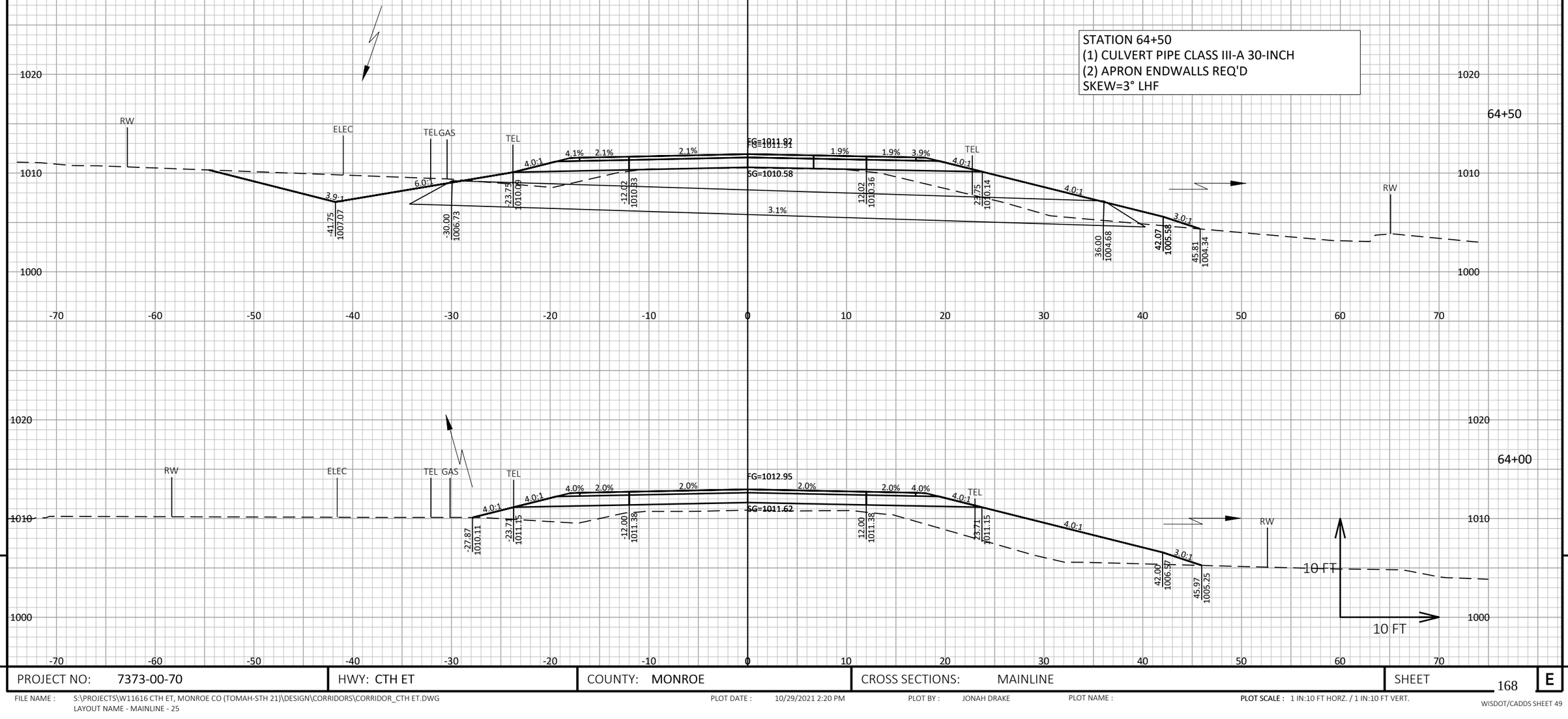
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 167	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 24

PLOT DATE : 10/29/2021 2:19 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

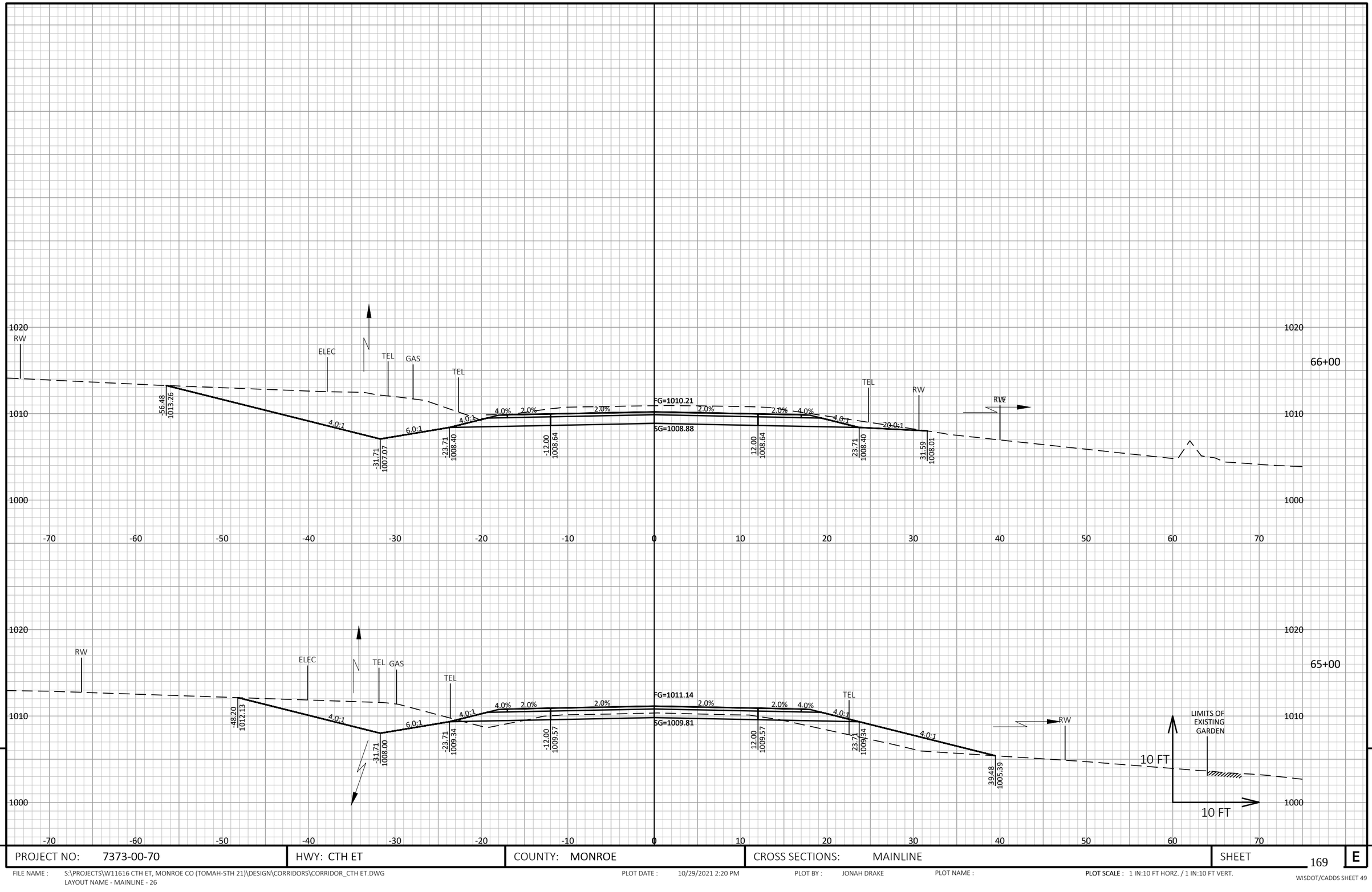
WISDOT/CADDS SHEET 49

STATION 64+50
(1) CULVERT PIPE CLASS III-A 30-INCH
(2) APRON ENDWALLS REQ'D
SKEW=3° LHF



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 168	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 25
PLOT DATE : 10/29/2021 2:20 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

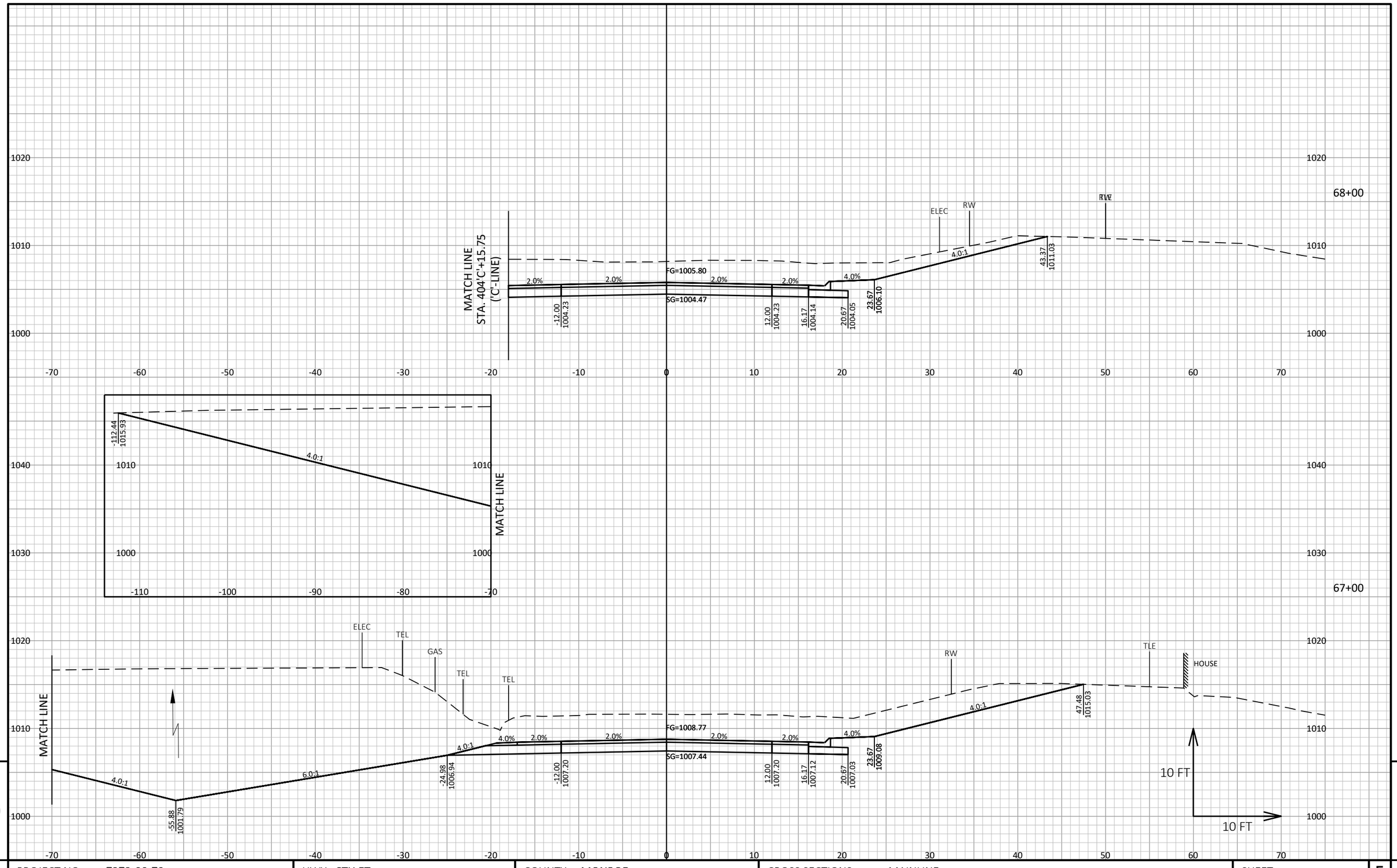


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 169 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 26

PLOT DATE : 10/29/2021 2:20 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

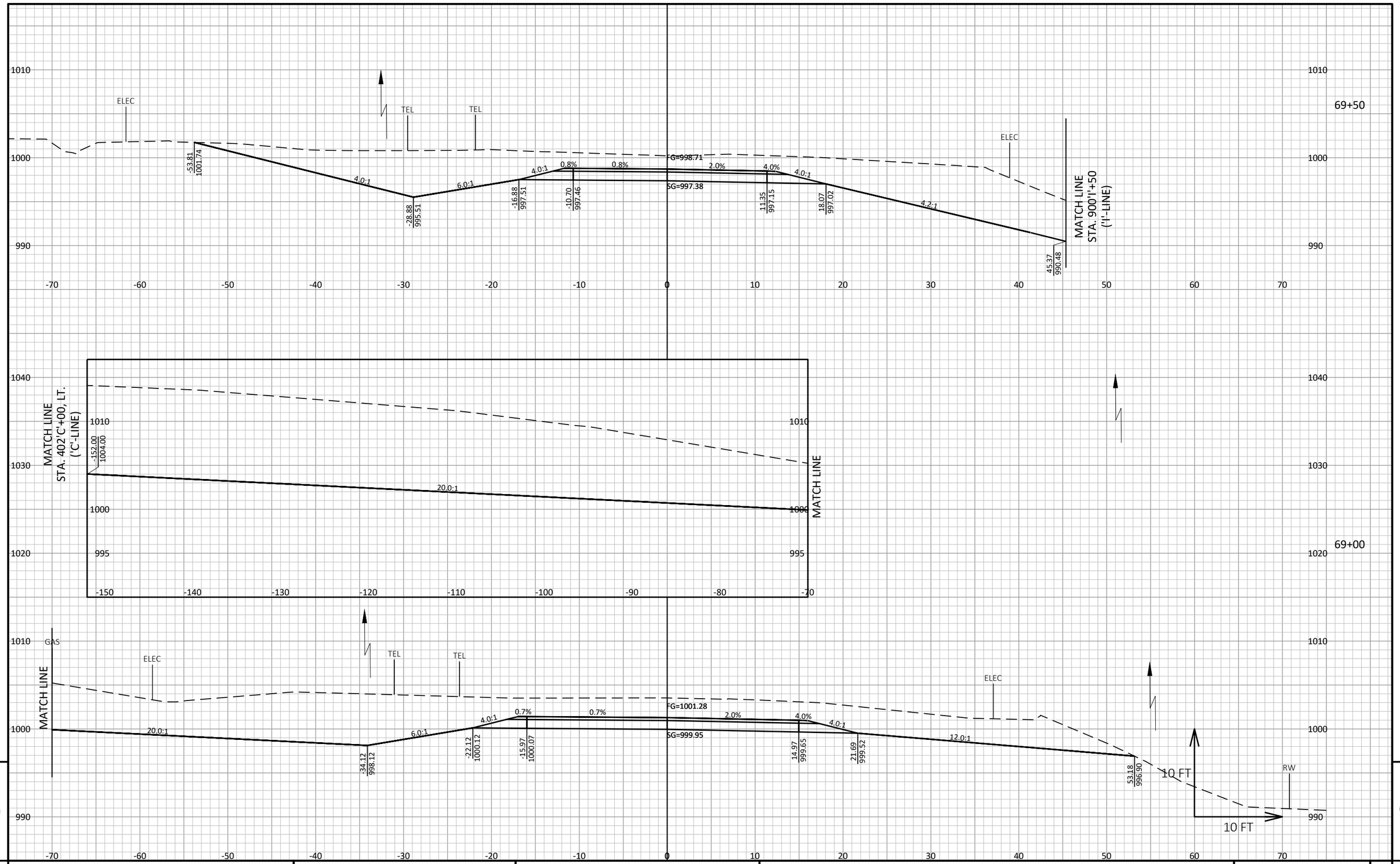


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 170	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 27

PLOT DATE : 10/29/2021 2:20 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



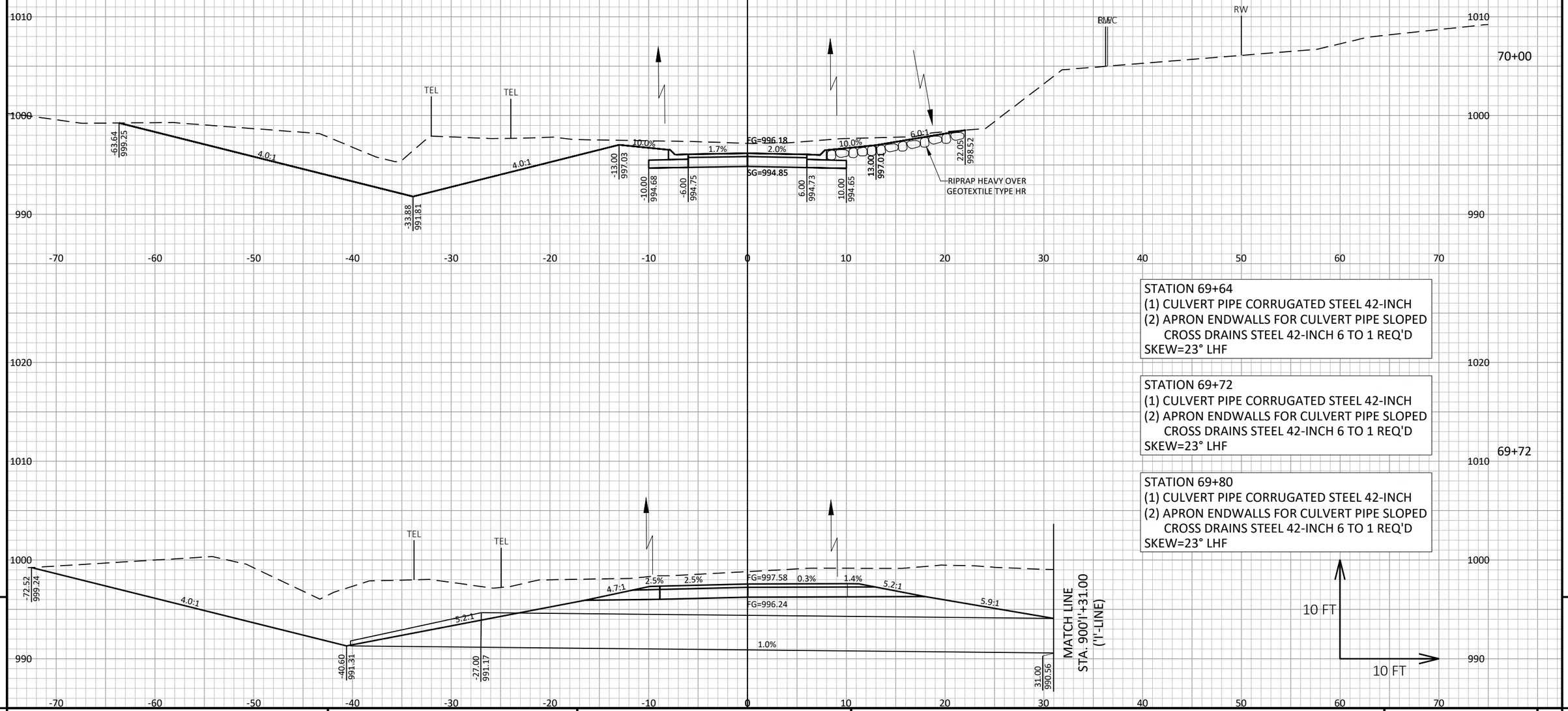
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 171	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 28

PLOT DATE : 10/29/2021 2:20 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CANADIAN PACIFIC
RAILROAD BRIDGE



STATION 69+64
(1) CULVERT PIPE CORRUGATED STEEL 42-INCH
(2) APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 42-INCH 6 TO 1 REQ'D
SKEW=23° LHF

STATION 69+72
(1) CULVERT PIPE CORRUGATED STEEL 42-INCH
(2) APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 42-INCH 6 TO 1 REQ'D
SKEW=23° LHF

STATION 69+80
(1) CULVERT PIPE CORRUGATED STEEL 42-INCH
(2) APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 42-INCH 6 TO 1 REQ'D
SKEW=23° LHF

9

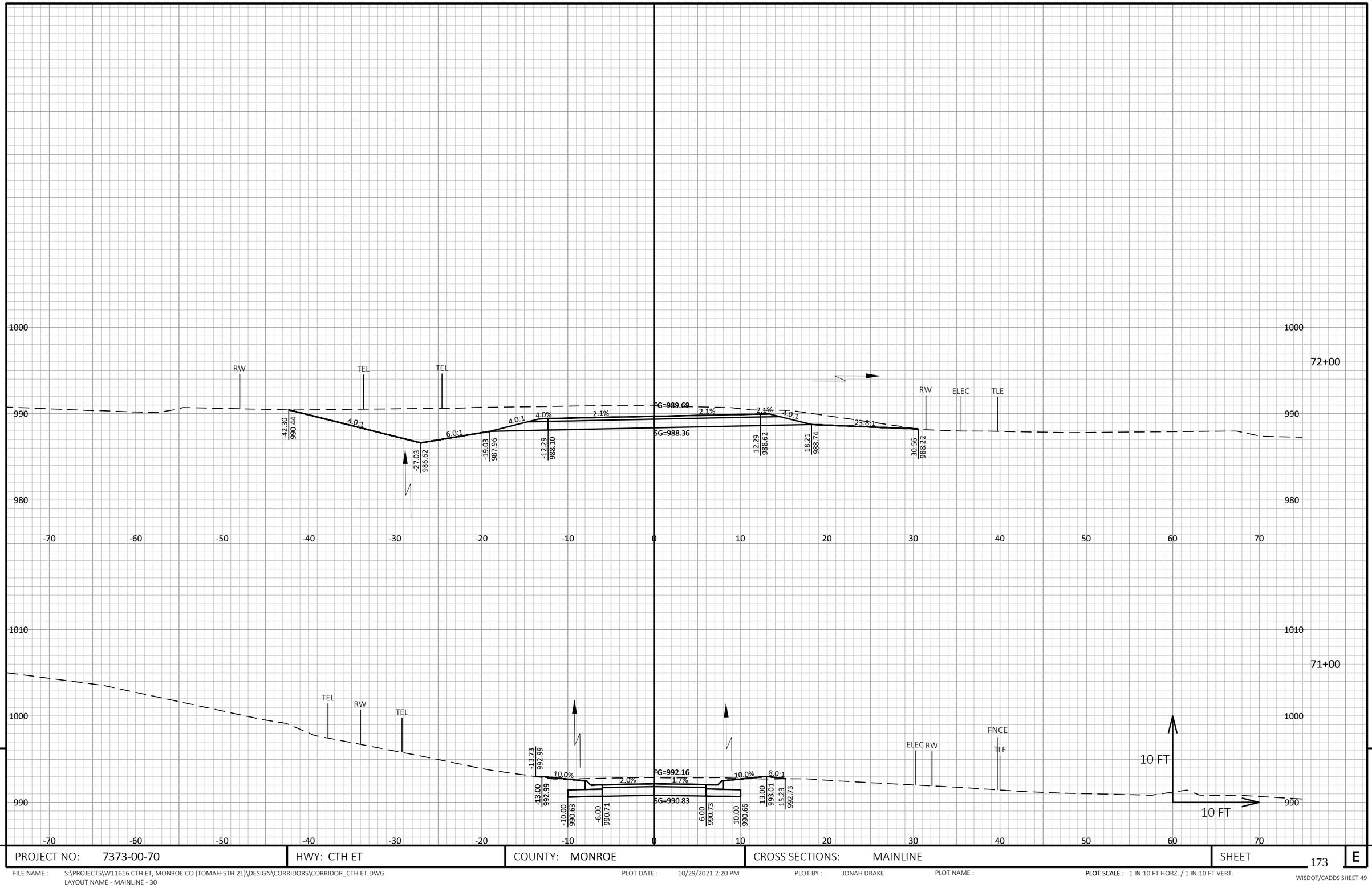
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 172	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 29

PLOT DATE : 2/10/2022 4:07 PM PLOT BY : KARTER ZAJICEK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

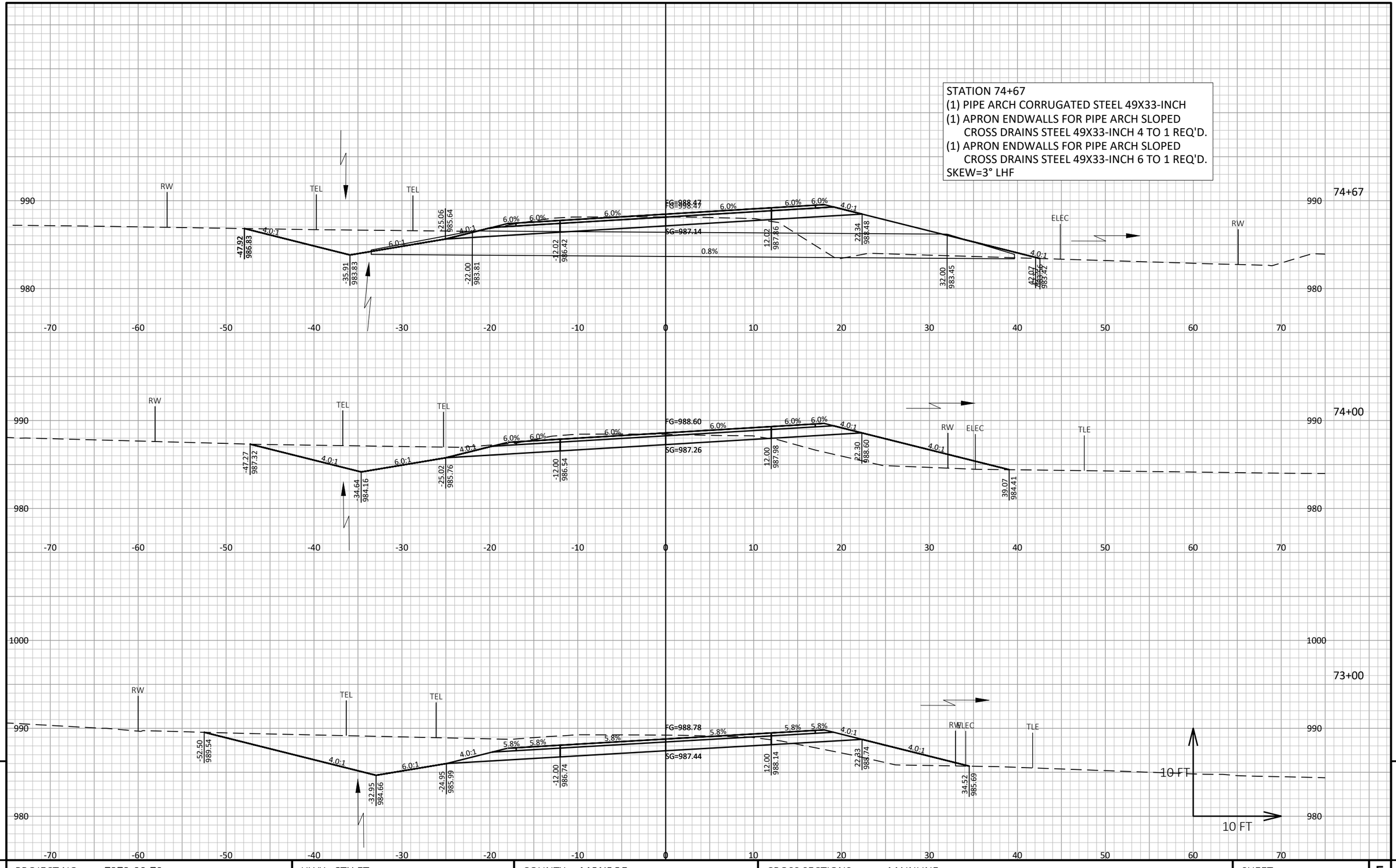
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 173	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 30

PLOT DATE : 10/29/2021 2:20 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

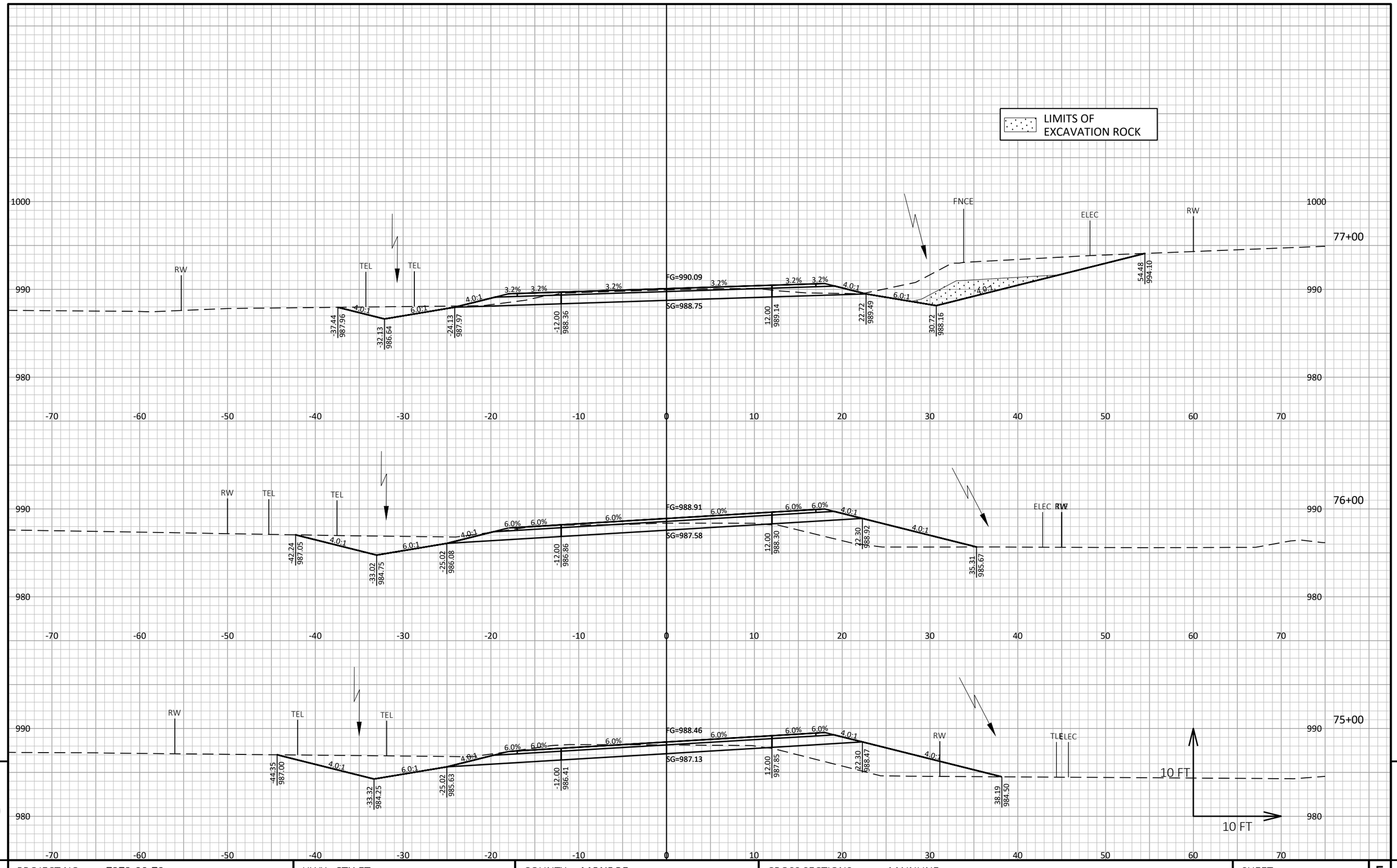
WISDOT/CADDS SHEET 49

STATION 74+67
(1) PIPE ARCH CORRUGATED STEEL 49X33-INCH
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 49X33-INCH 4 TO 1 REQ'D.
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 49X33-INCH 6 TO 1 REQ'D.
SKEW=3° LHF



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 174	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 31
PLOT DATE : 10/29/2021 2:20 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

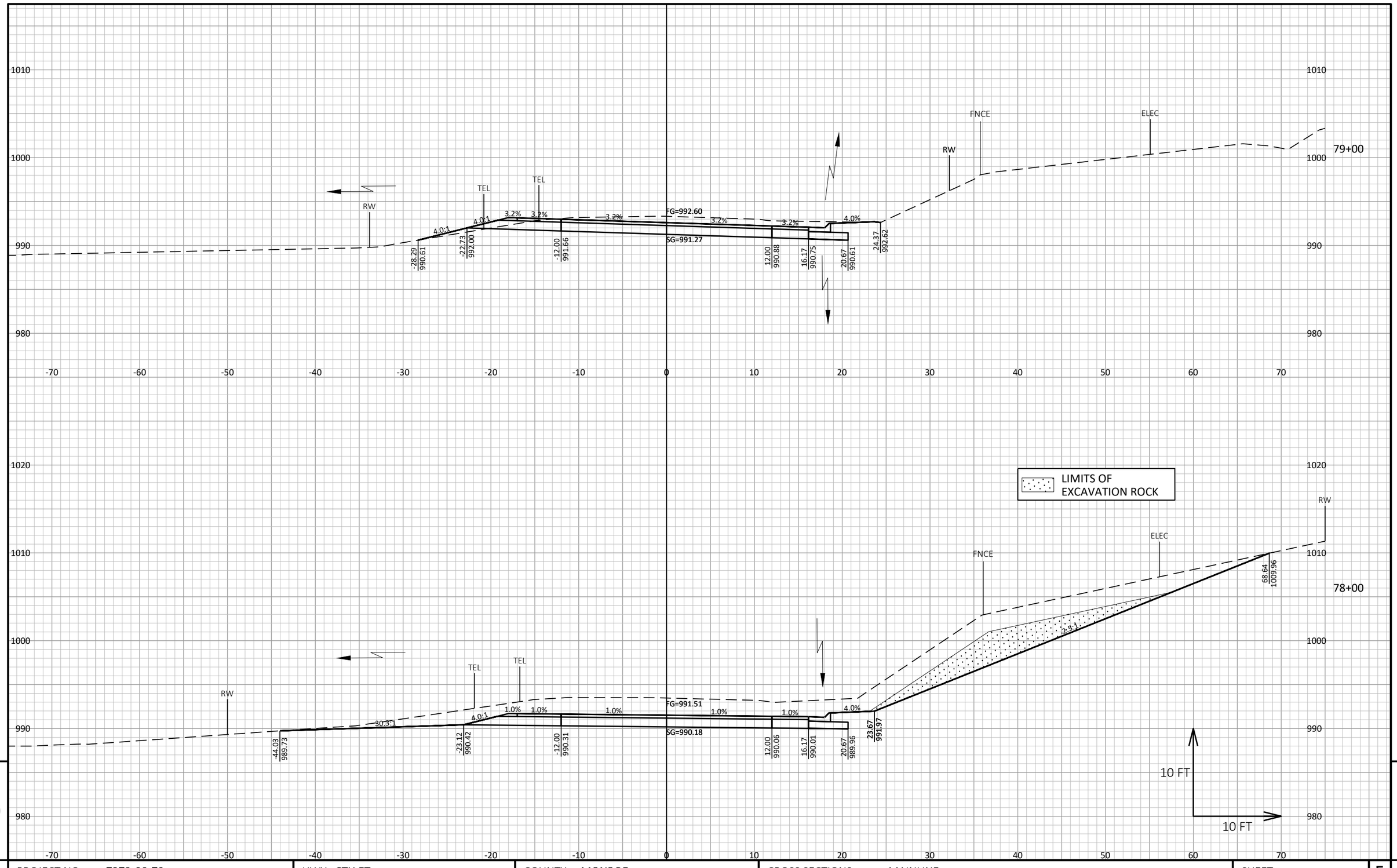


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 175	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 32

PLOT DATE : 10/29/2021 2:21 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

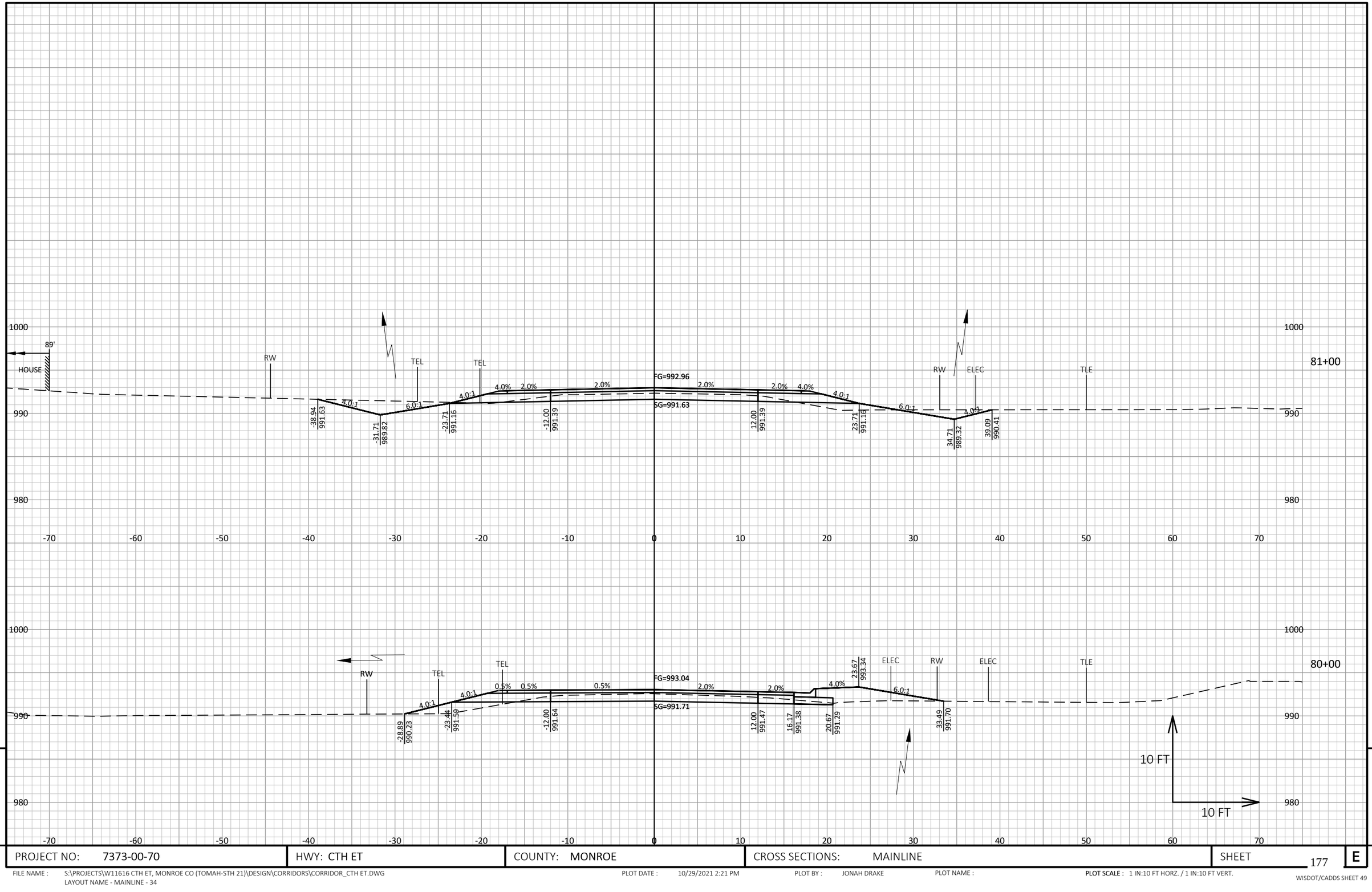


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 176 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 33

PLOT DATE : 10/29/2021 2:21 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

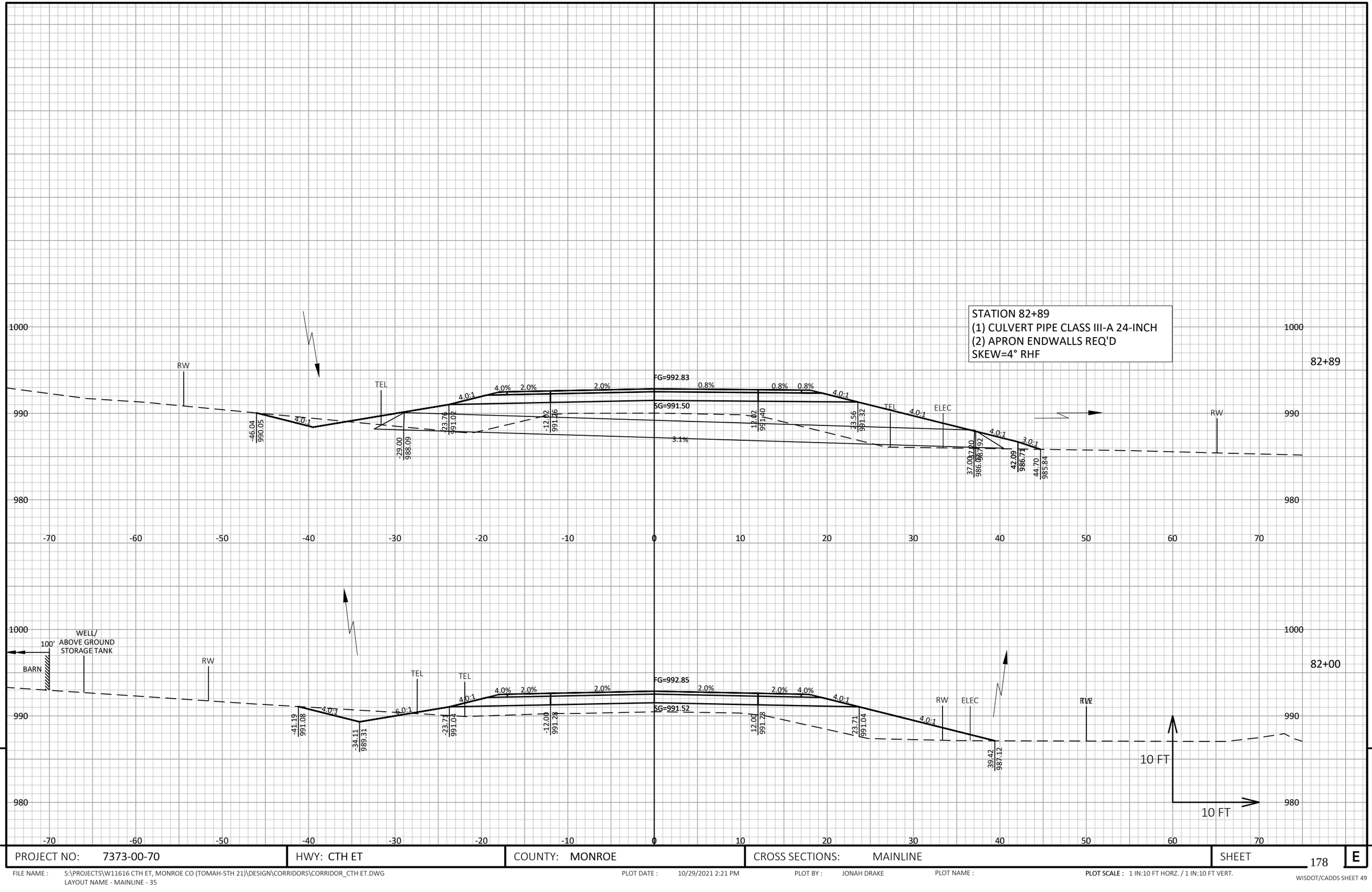


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 177	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 34

PLOT DATE : 10/29/2021 2:21 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

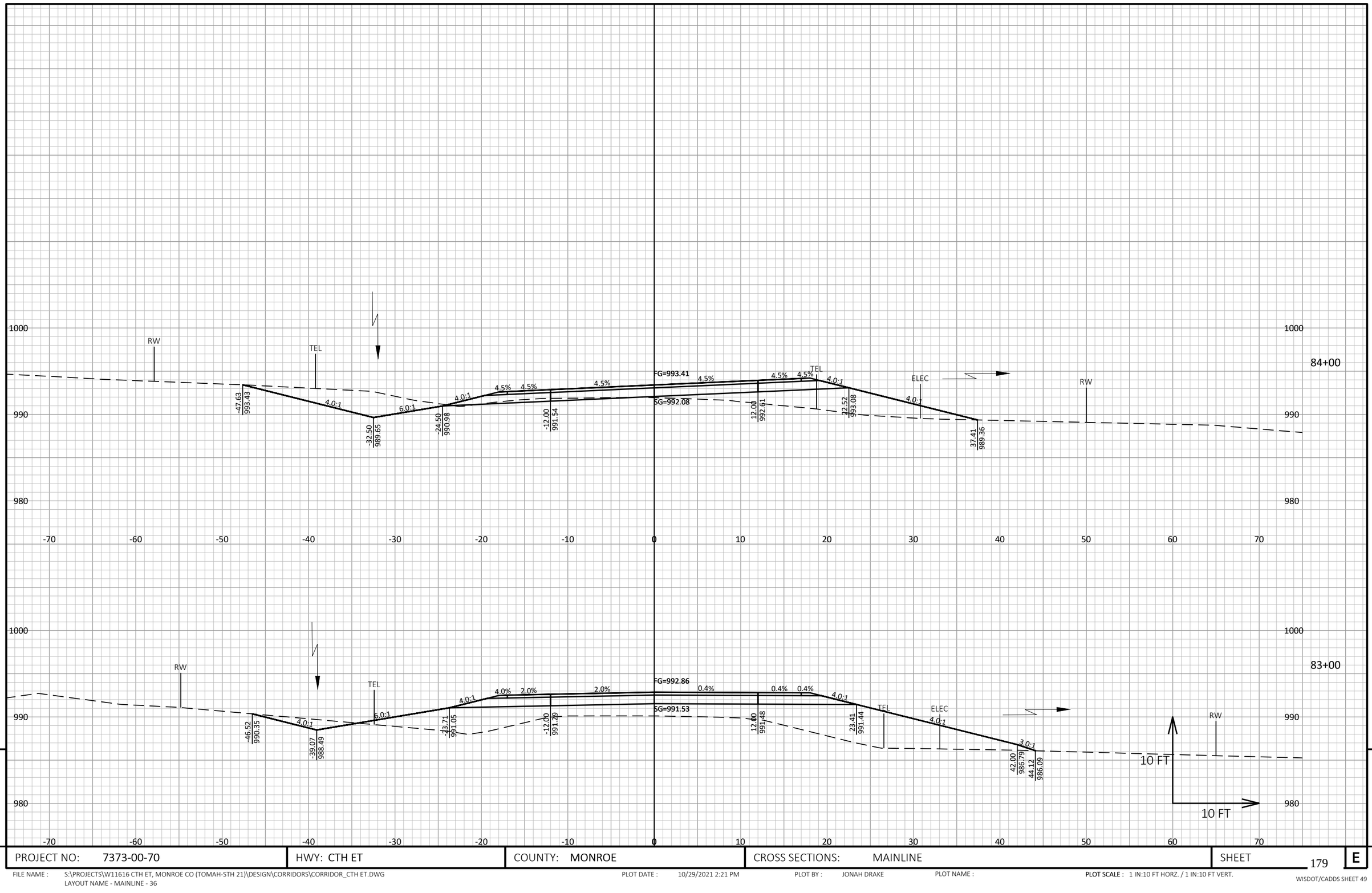


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 178	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 35

PLOT DATE : 10/29/2021 2:21 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

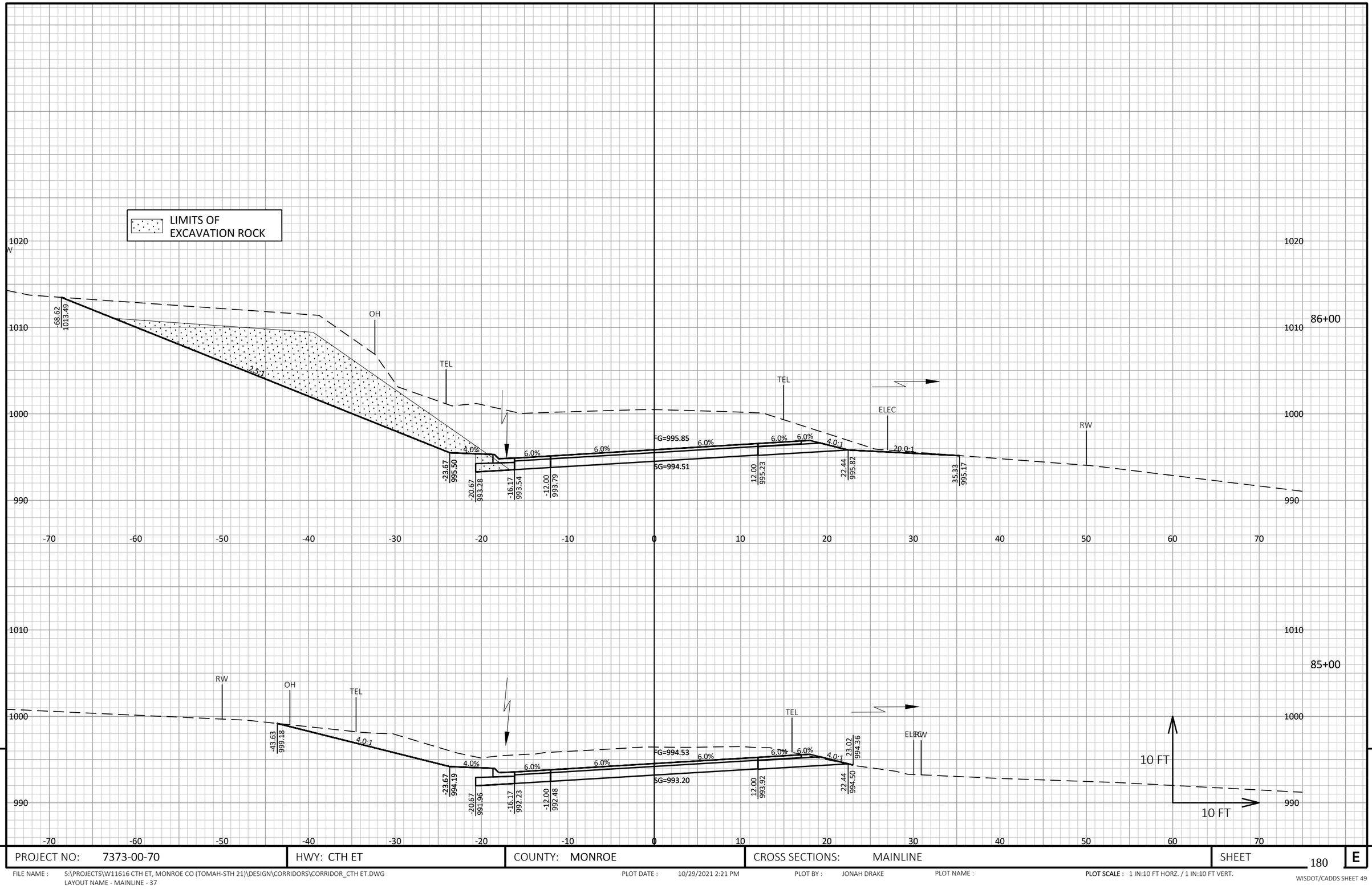


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 179	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 36

PLOT DATE : 10/29/2021 2:21 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

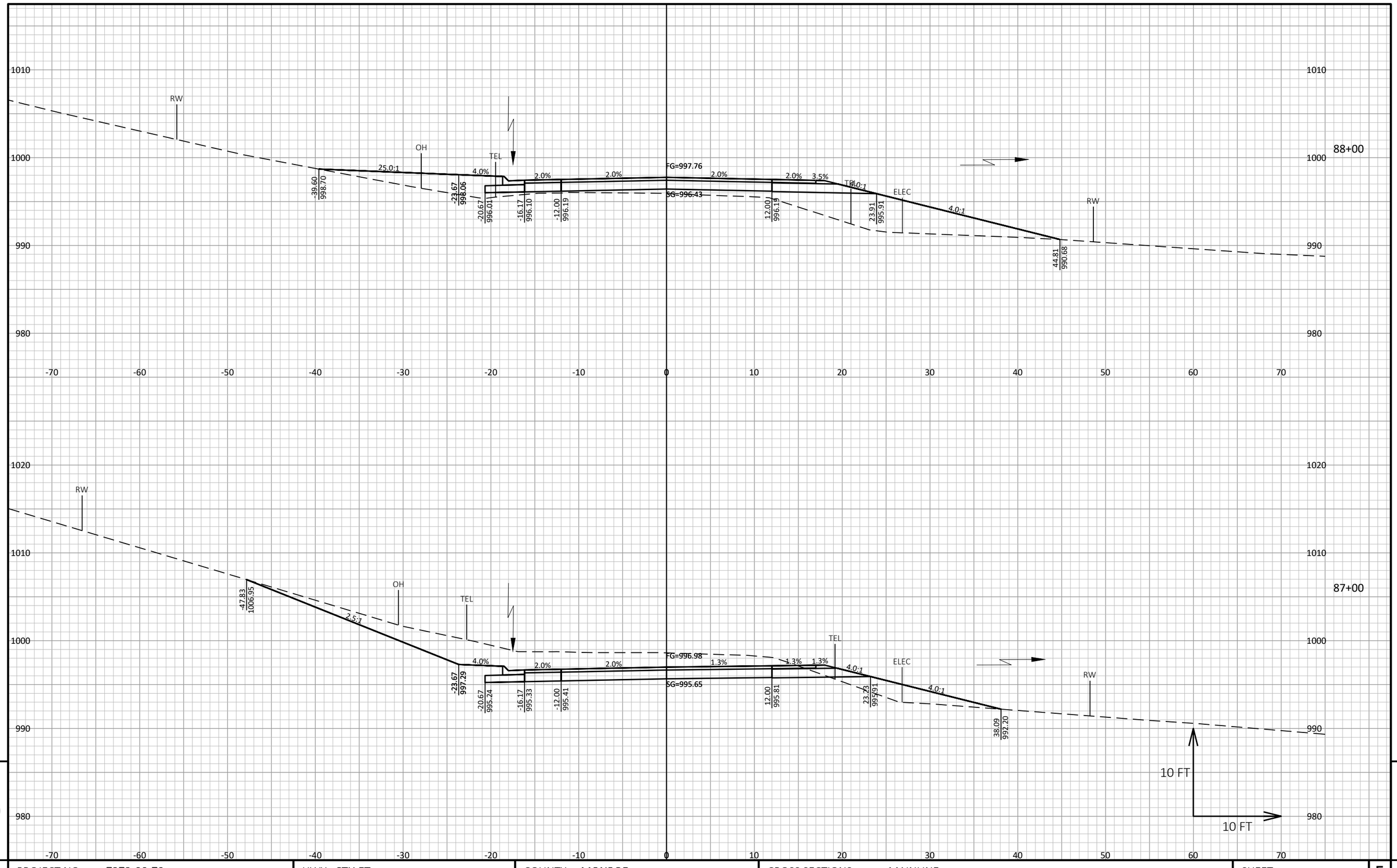
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 180	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 37

PLOT DATE : 10/29/2021 2:21 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

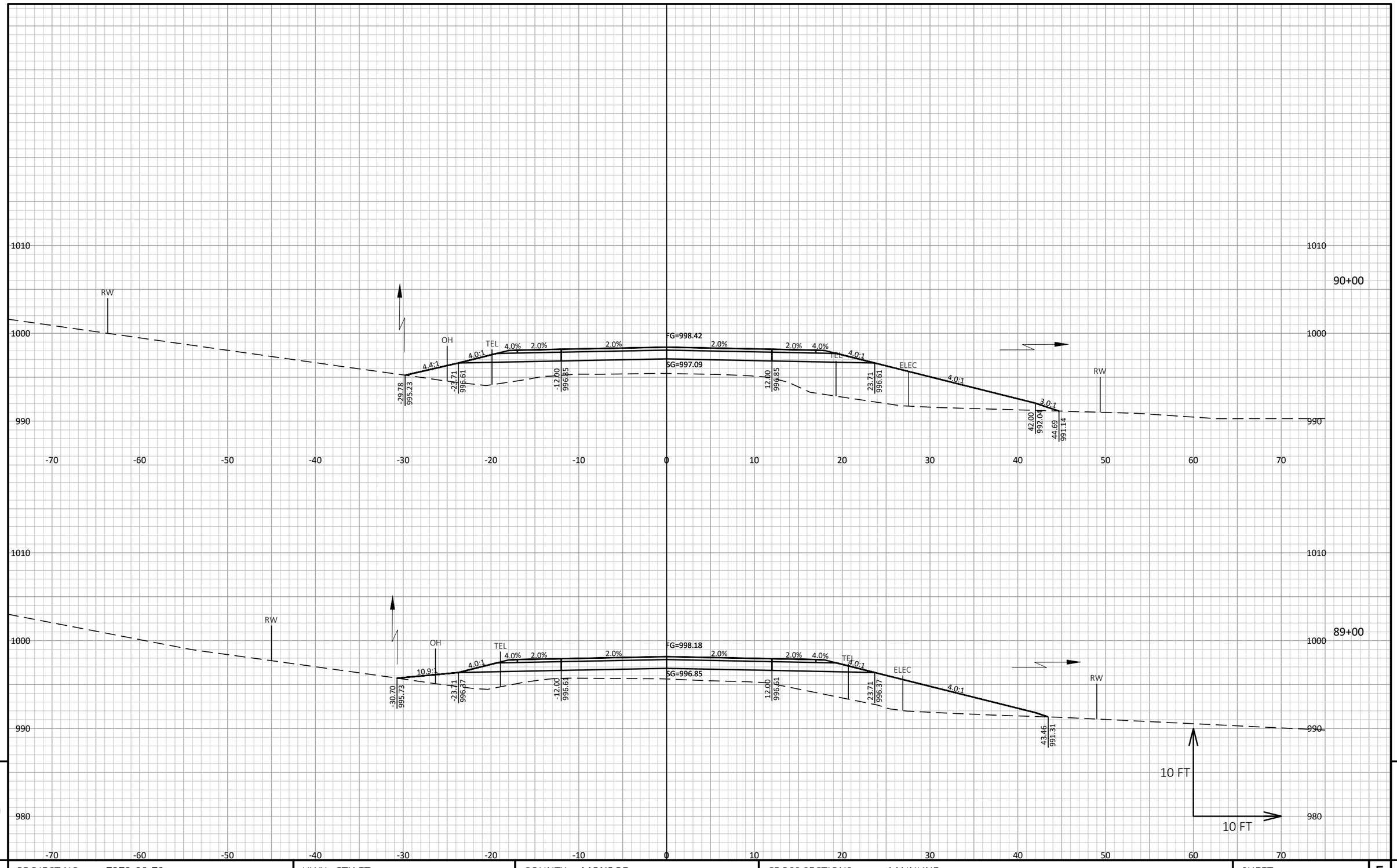


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 181 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 38

PLOT DATE : 10/29/2021 2:22 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



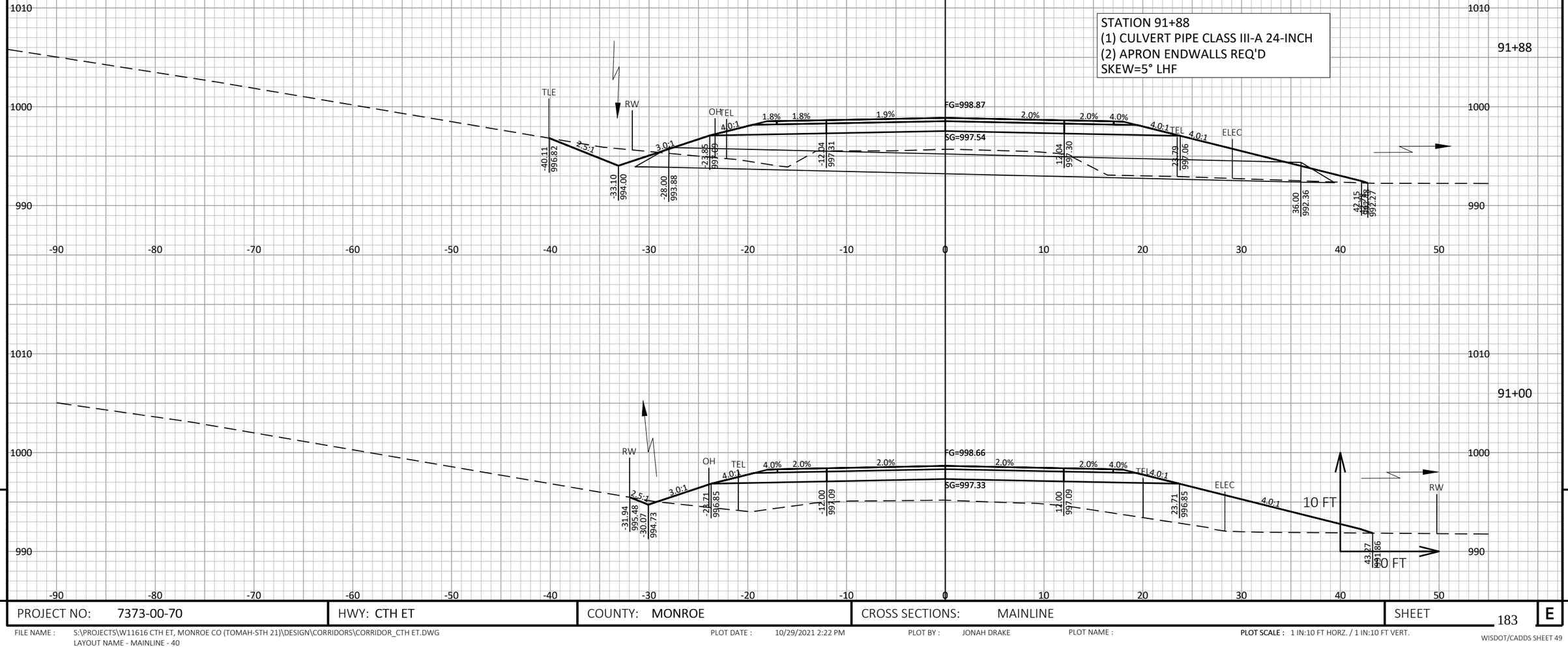
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 182	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 39

PLOT DATE : 10/29/2021 2:22 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STATION 91+88
(1) CULVERT PIPE CLASS III-A 24-INCH
(2) APRON ENDWALLS REQ'D
SKEW=5° LHF

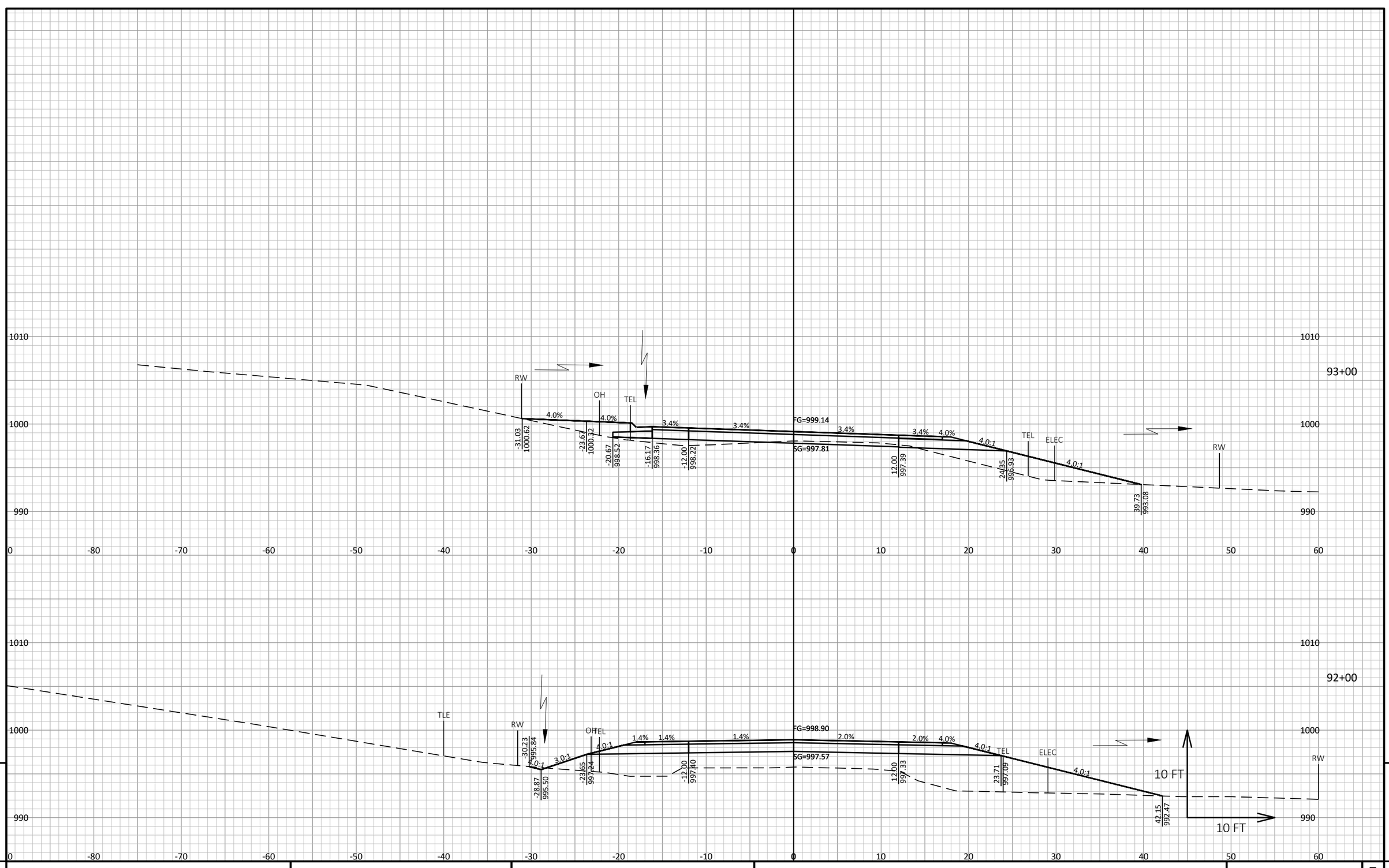


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 183	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 40

PLOT DATE : 10/29/2021 2:22 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

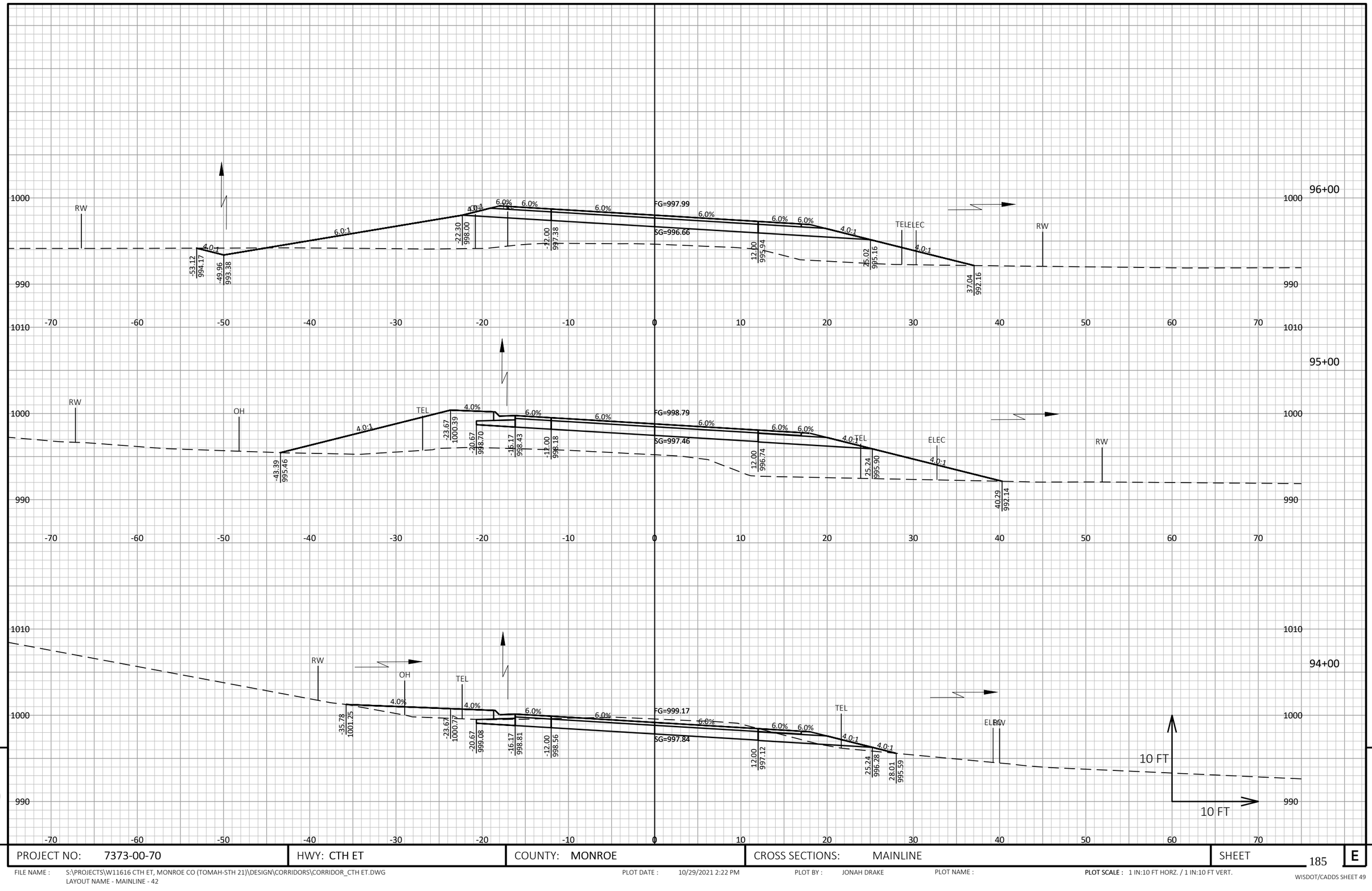


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 184	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 41

PLOT DATE : 10/29/2021 2:22 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

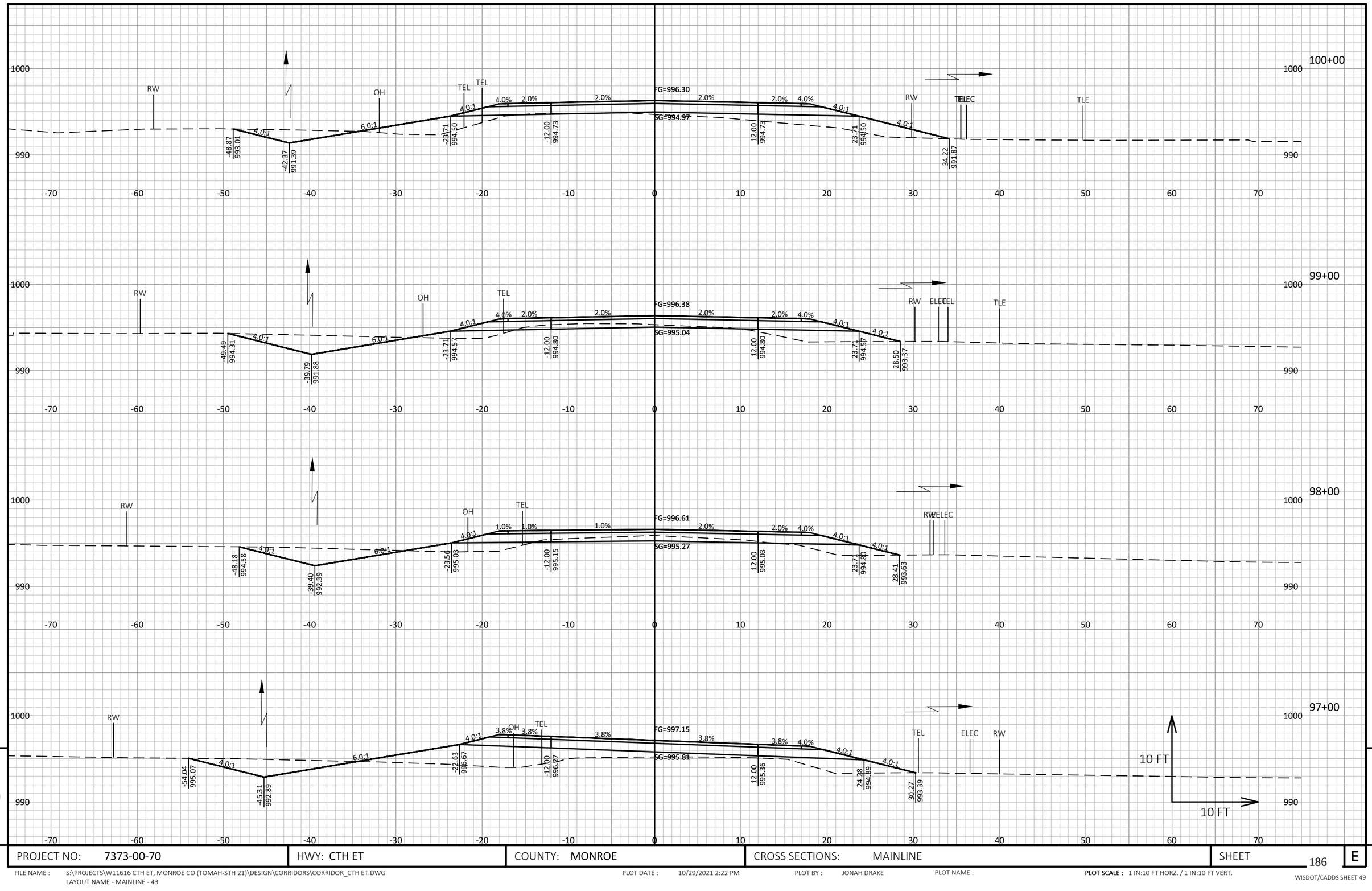


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 185	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 42

PLOT DATE : 10/29/2021 2:22 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



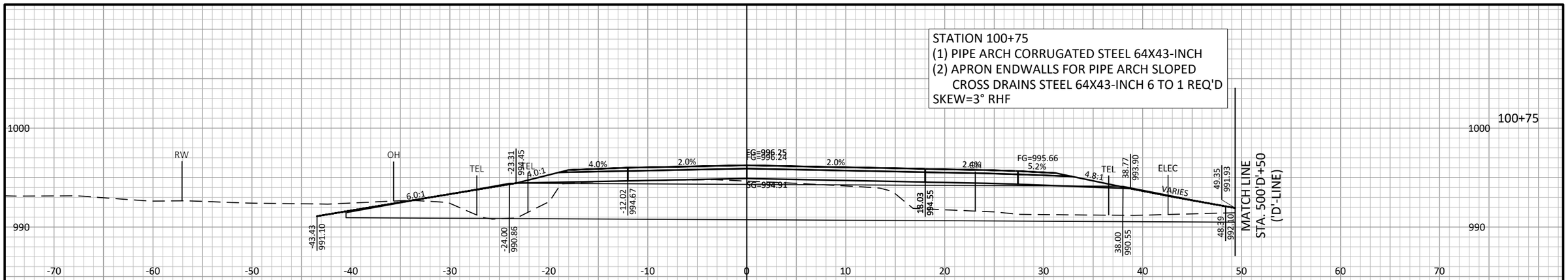
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 186

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 43

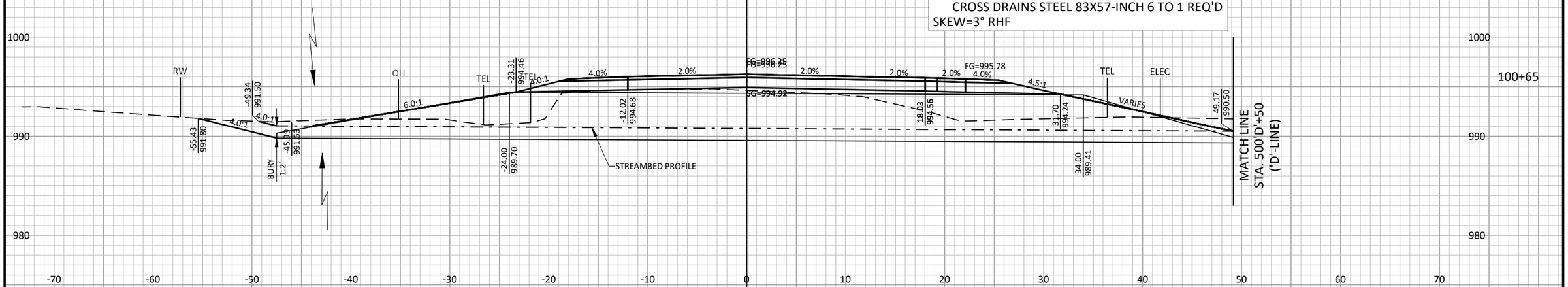
PLOT DATE : 10/29/2021 2:22 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

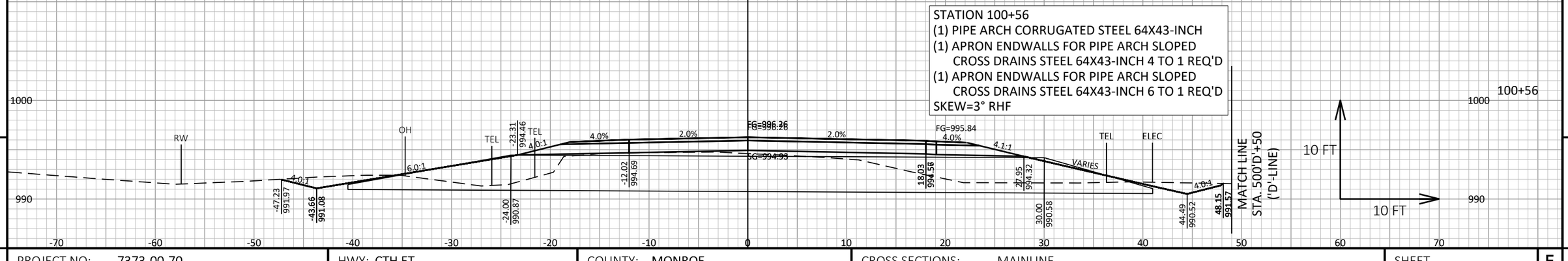
STATION 100+75
(1) PIPE ARCH CORRUGATED STEEL 64X43-INCH
(2) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 64X43-INCH 6 TO 1 REQ'D
SKEW=3° RHF



STATION 100+65
(1) PIPE ARCH CORRUGATED STEEL 83X57-INCH
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 83X57-INCH 4 TO 1 REQ'D
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 83X57-INCH 6 TO 1 REQ'D
SKEW=3° RHF



STATION 100+56
(1) PIPE ARCH CORRUGATED STEEL 64X43-INCH
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 64X43-INCH 4 TO 1 REQ'D
(1) APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS STEEL 64X43-INCH 6 TO 1 REQ'D
SKEW=3° RHF



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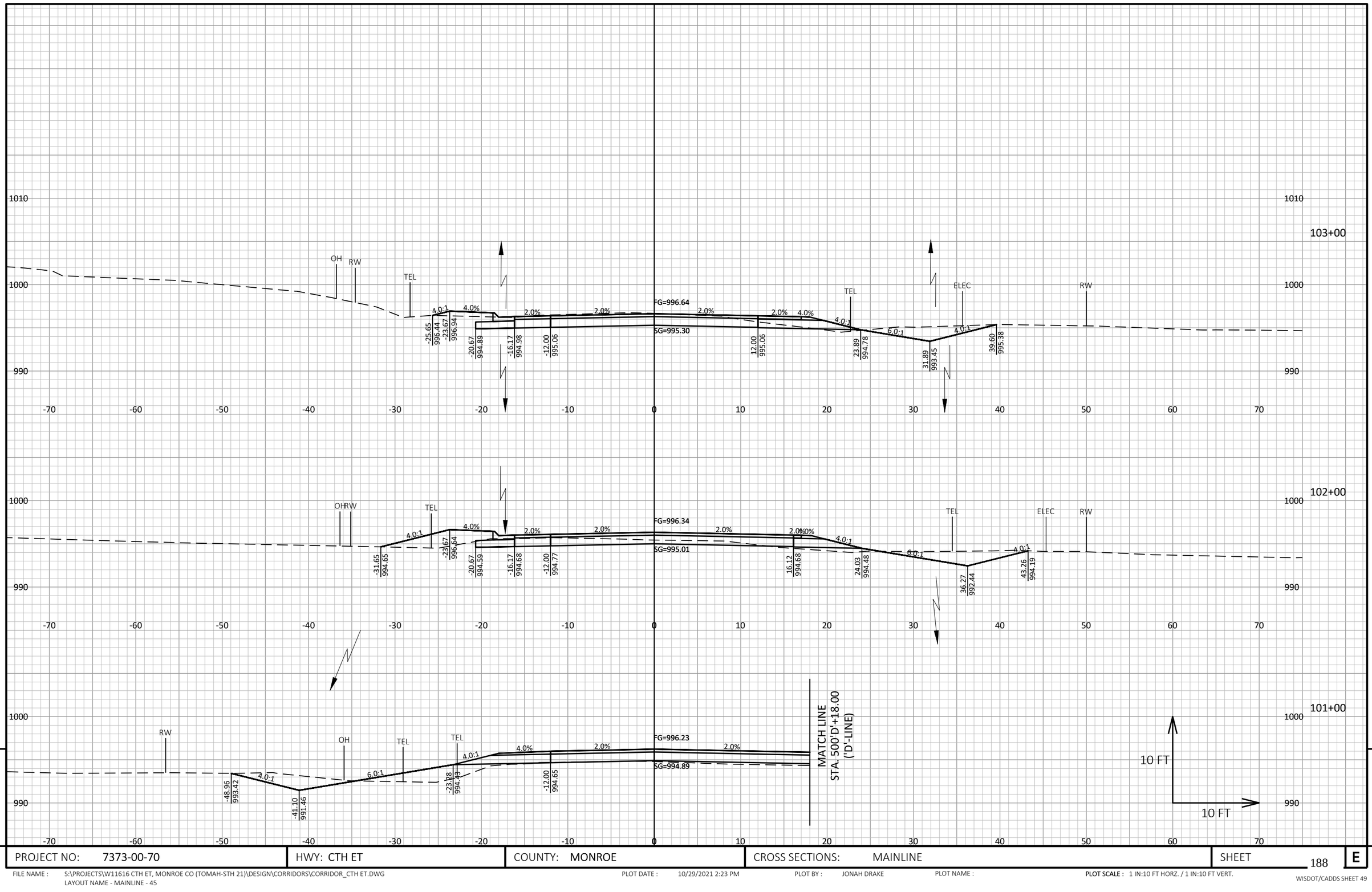
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 187	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 44

PLOT DATE : 10/29/2021 2:22 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 188	E

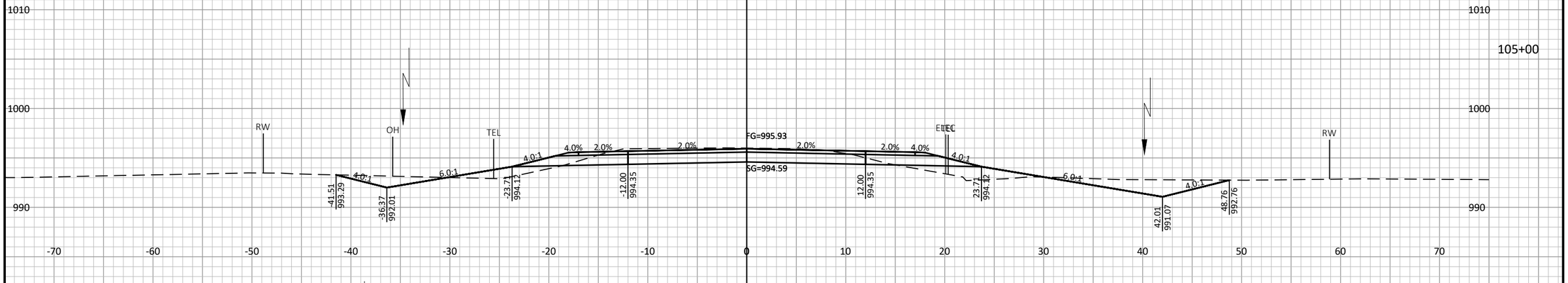
FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 45

PLOT DATE : 10/29/2021 2:23 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

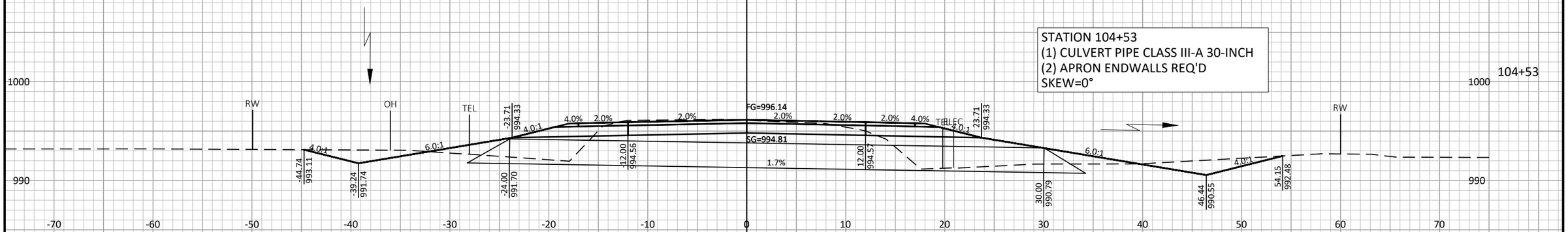
END PROJECT 7373-00-70
STA. 105+50
MATCH EXISTING

105+00

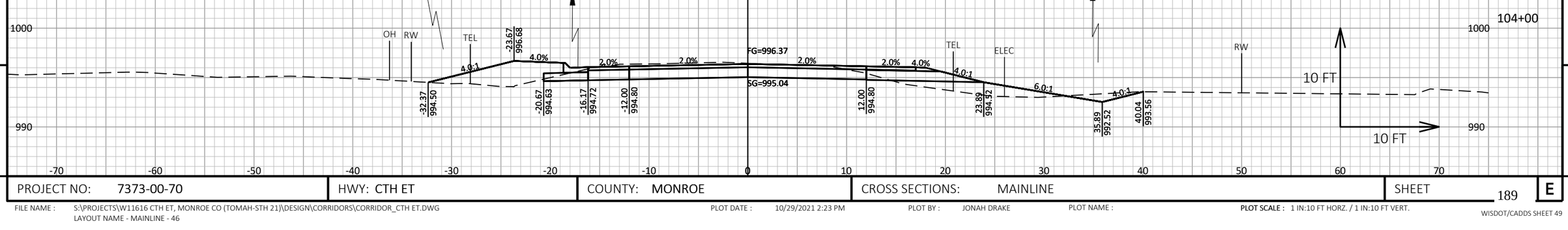


STATION 104+53
(1) CULVERT PIPE CLASS III-A 30-INCH
(2) APRON ENDWALLS REQ'D
SKEW=0°

104+53



104+00



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PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: MAINLINE	SHEET 189	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - MAINLINE - 46

PLOT DATE : 10/29/2021 2:23 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STATION 200'A'+80
(1) CULVERT PIPE CLASS III-A 24-INCH
(2) APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 6 TO 1 REQ'D
SKEW=7° RHF

200'A'+80

MATCH LINE
STA. 29+00, LT.
(MAINLINE)

MATCH LINE
STA. 28+00, LT.
(MAINLINE)

GAS
TEL
ELEC
RW
TLE
VARIES
FG=987.72
FG=986.39
2.0%
-47.18 983.27
-35.00 983.00
-25.43 984.92
24.40 985.76
39.00 981.50
53.17 981.30

200'A'+50

RWTLE
GAS
TEL
ELEC
RW
TLE
FG=987.71
SG=986.38
4.0%
2.0%
4.0:1
6.0:1
-37.94 986.44
-30.55 984.59
-22.55 985.93
-14.00 986.10
12.92 986.12
21.47 985.95
38.58 983.10

200'A'+00

RWTLE
GAS
TEL
ELEC
RW
TLE
BEGIN CONSTRUCTION
STA. 200'A'+00
MATCH EXISTING
10 FT
10 FT

9

9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'A'-LINE (GOLIATH ROAD)	SHEET 190	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - GOLIATH1

PLOT DATE : 10/29/2021 2:24 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA. 201'A'+18.35

MATCH LINE
STA. 29+00, LT.
(MAINLINE)

VARIES
TEL
FG=987.88
FG=986.55
VARIES
ELEC

MATCH LINE
STA. 28+00, LT.
(MAINLINE)

201'A'+18

990
980

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

MATCH LINE
STA. 29+00, LT.
(MAINLINE)

12.1:1
46.00
987.47
40.36
987.93
VARIES
GAS
VARIES
FG=987.74
FG=986.41
TEL
VARIES
GAS
VARIES
ELEC
34.05
985.27

MATCH LINE
STA. 28+00, LT.
(MAINLINE)

10 FT

201'A'+00

990
980

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

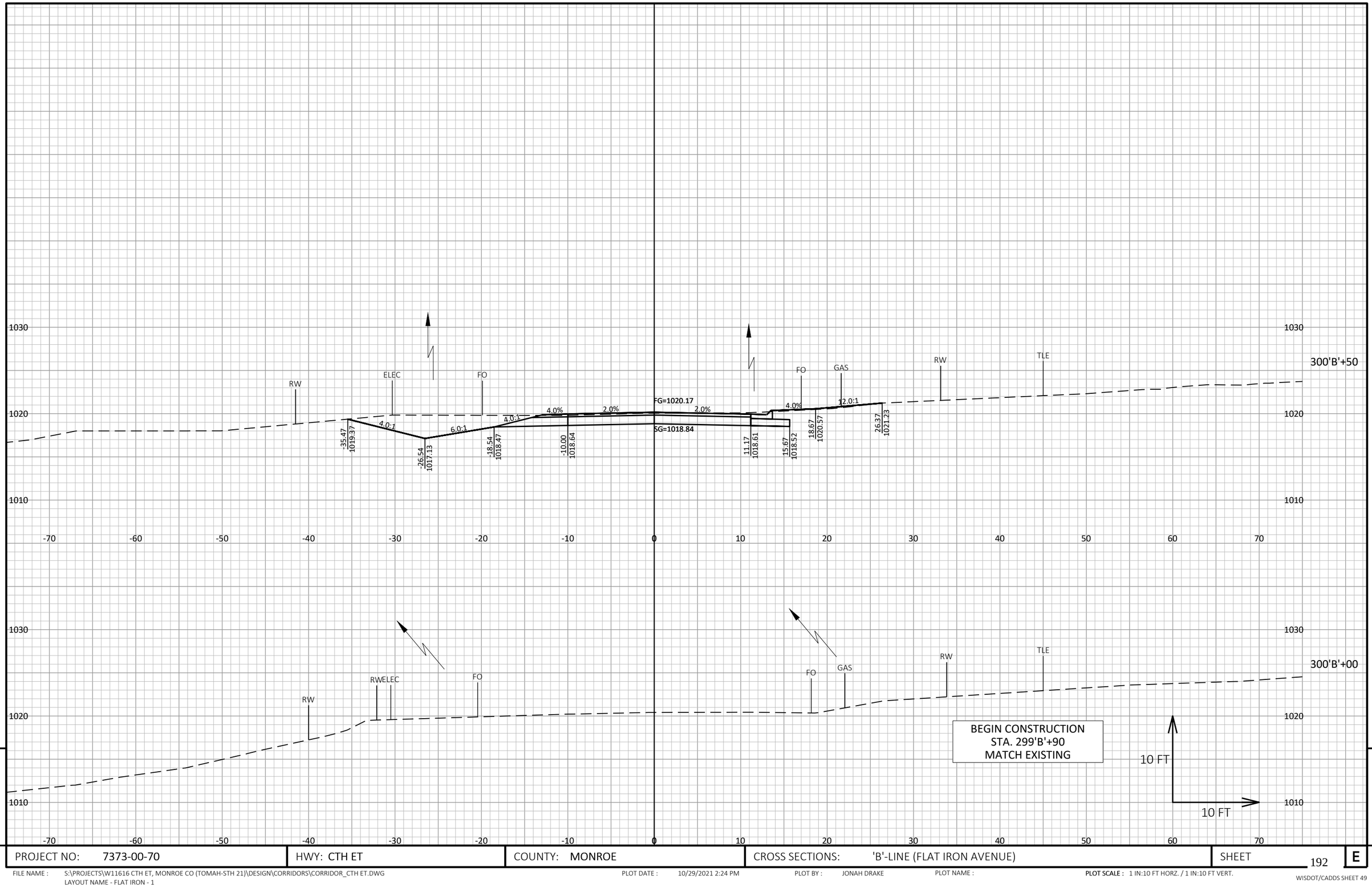
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'A'-LINE (GOLIATH ROAD)	SHEET 191	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - GOLIATH2

PLOT DATE : 10/29/2021 2:24 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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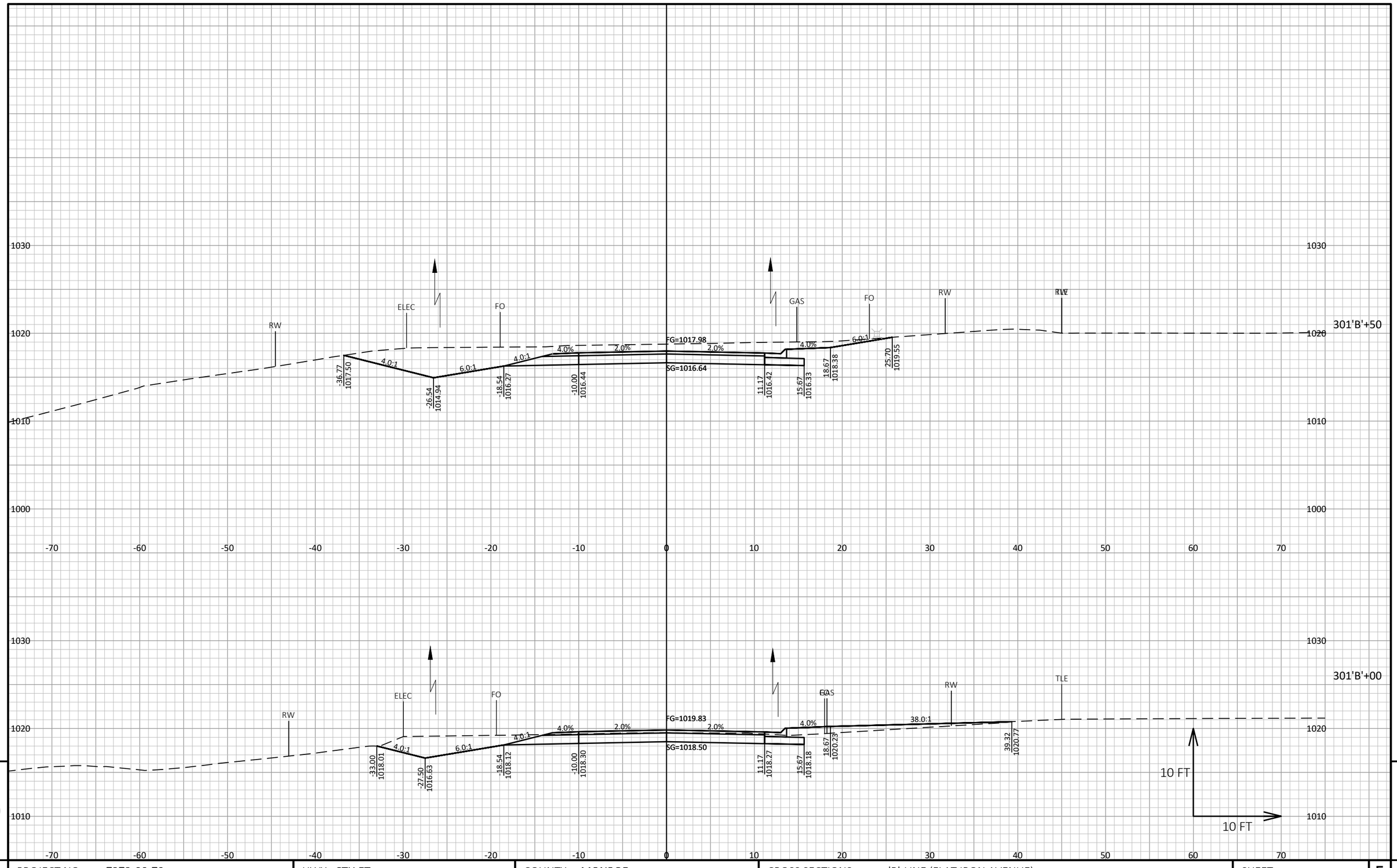
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'B'-LINE (FLAT IRON AVENUE)	SHEET 192	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAT IRON - 1

PLOT DATE : 10/29/2021 2:24 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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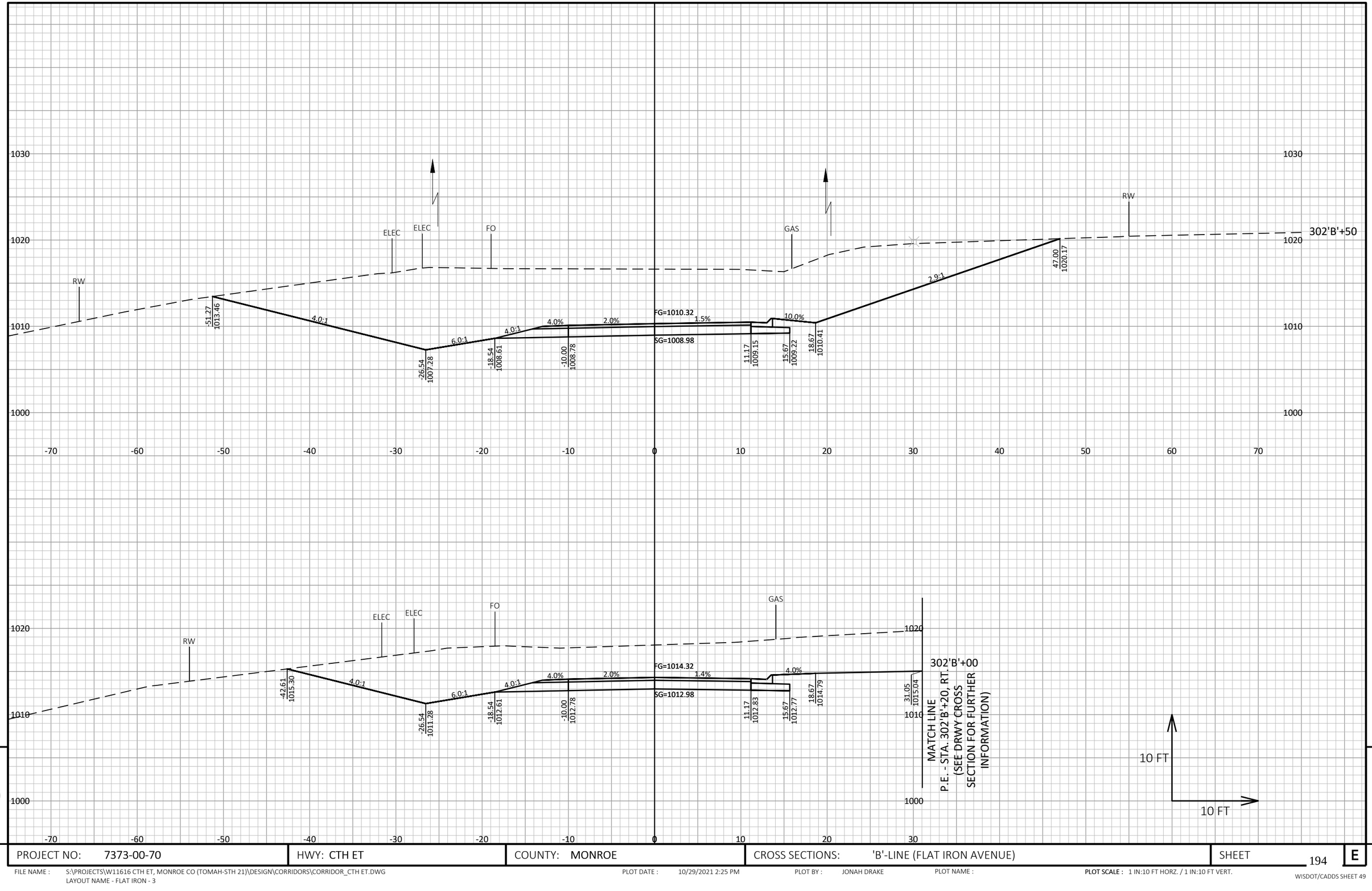
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'B'-LINE (FLAT IRON AVENUE)	SHEET 193	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAT IRON - 2

PLOT DATE : 10/29/2021 2:25 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

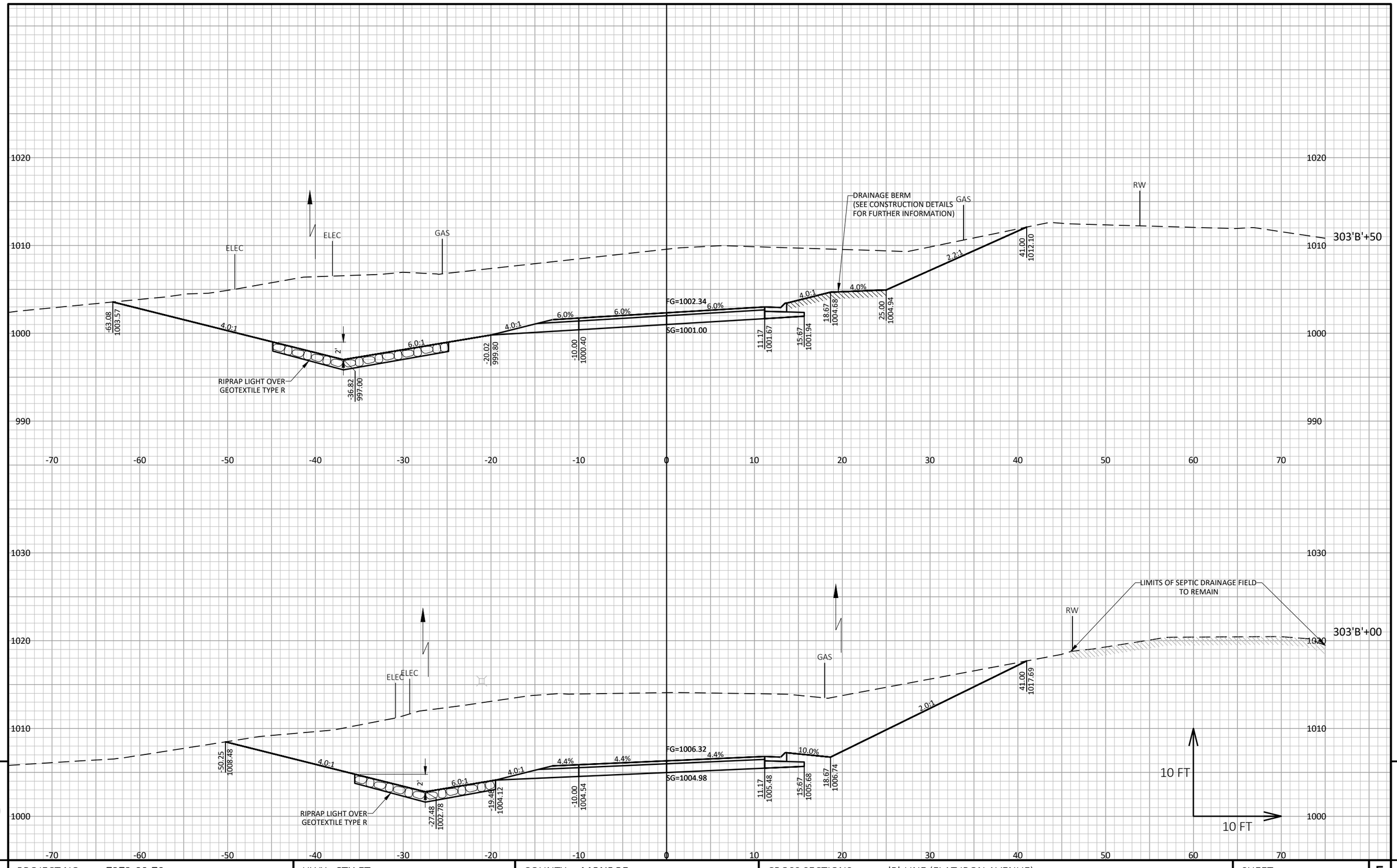


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'B'-LINE (FLAT IRON AVENUE)	SHEET 194 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAT IRON - 3

PLOT DATE : 10/29/2021 2:25 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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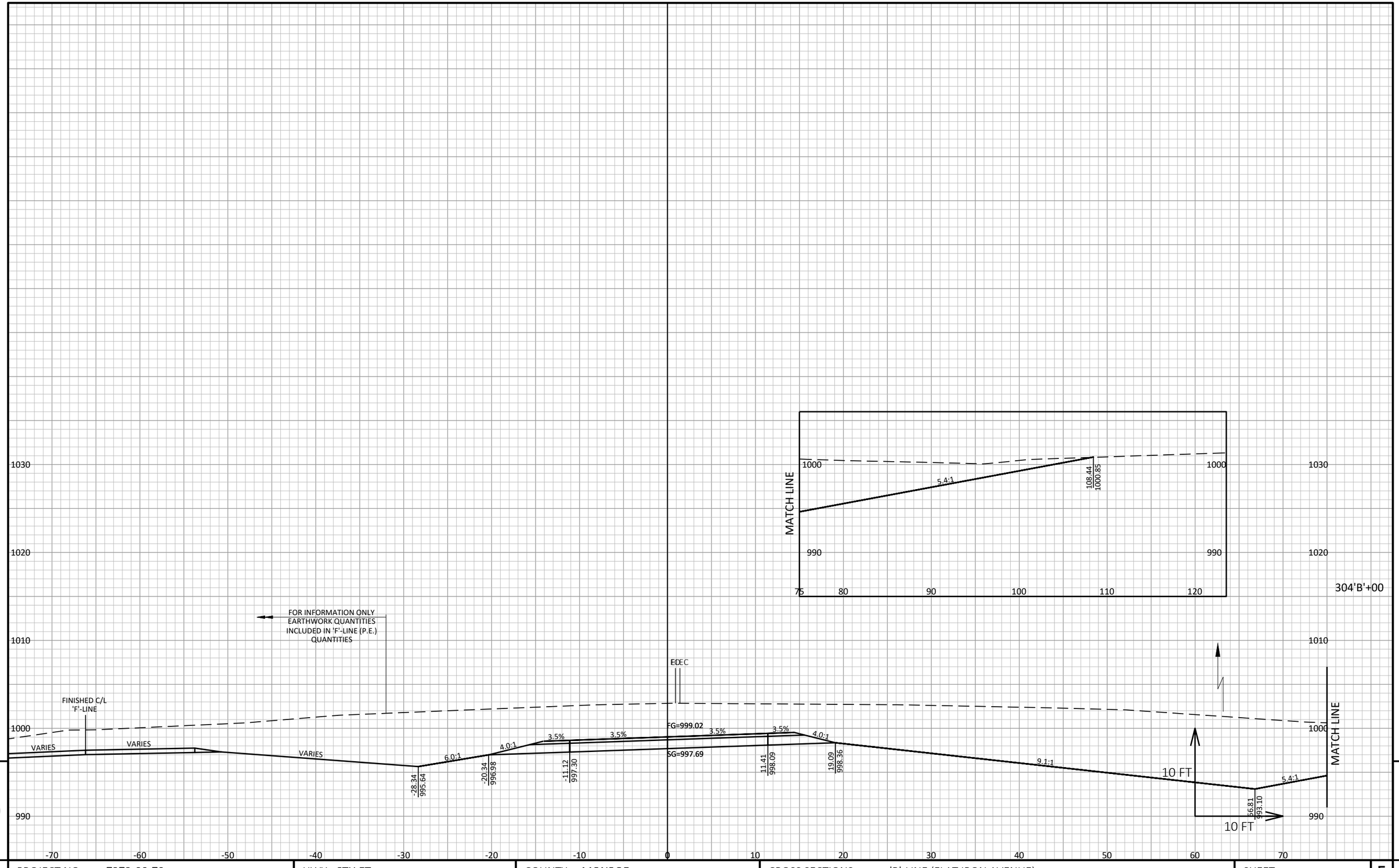
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'B'-LINE (FLAT IRON AVENUE)	SHEET 195	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAT IRON - 4

PLOT DATE : 10/29/2021 2:25 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'B'-LINE (FLAT IRON AVENUE)	SHEET 196	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAT IRON - 5

PLOT DATE : 10/29/2021 2:25 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA. 304'B'+95.32

304'B'+95

MATCH LINE
STA. 33+50, LT.
(MAINLINE)

ELEC

VARIES

FG=995.23

SG=993.90

0.00
993.90

VARIES

SG=993.98

MATCH LINE
STA. 32+50, LT.
(MAINLINE)

1000
990

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

304'B'+50

MATCH LINE

112.33
990.00

17.5:1

1000
990

75 80 90 100 110

MATCH LINE
STA. 33+50, LT.
(MAINLINE)

ELEC

69.2:1

6.0:1

4.0:1

0.3%

0.3%

FG=996.67

0.3%

0.3%

4.0:1

SG=995.33

17.5:1

-59.00
994.00

-34.54
993.65

-24.15
995.40

14.49
995.29

22.90
995.26

MATCH LINE

1020
1010
1000
990
980

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

10 FT

10 FT

9

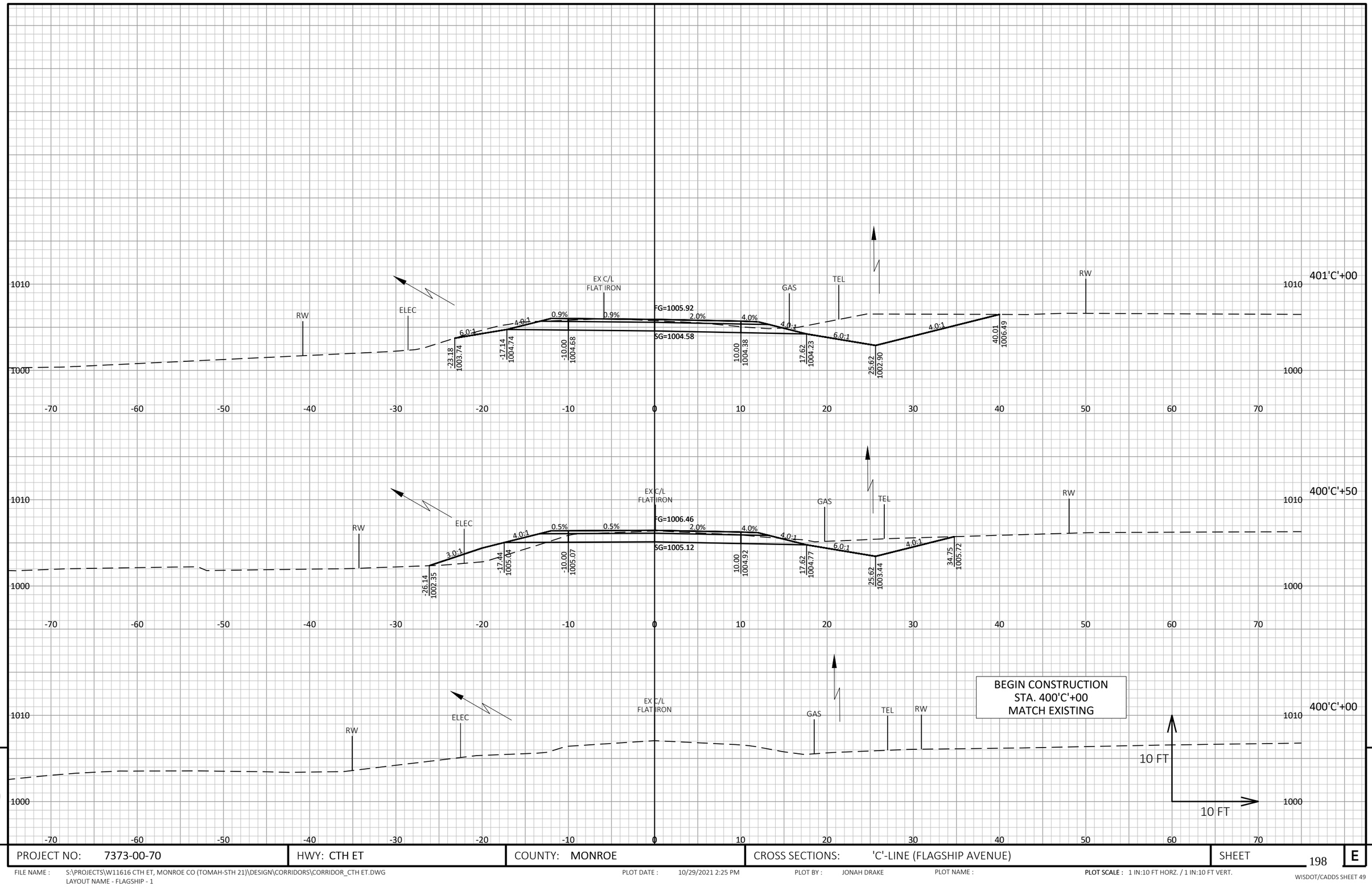
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'B'-LINE (FLAT IRON AVENUE)	SHEET 197	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAT IRON - 6

PLOT DATE : 10/29/2021 2:25 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

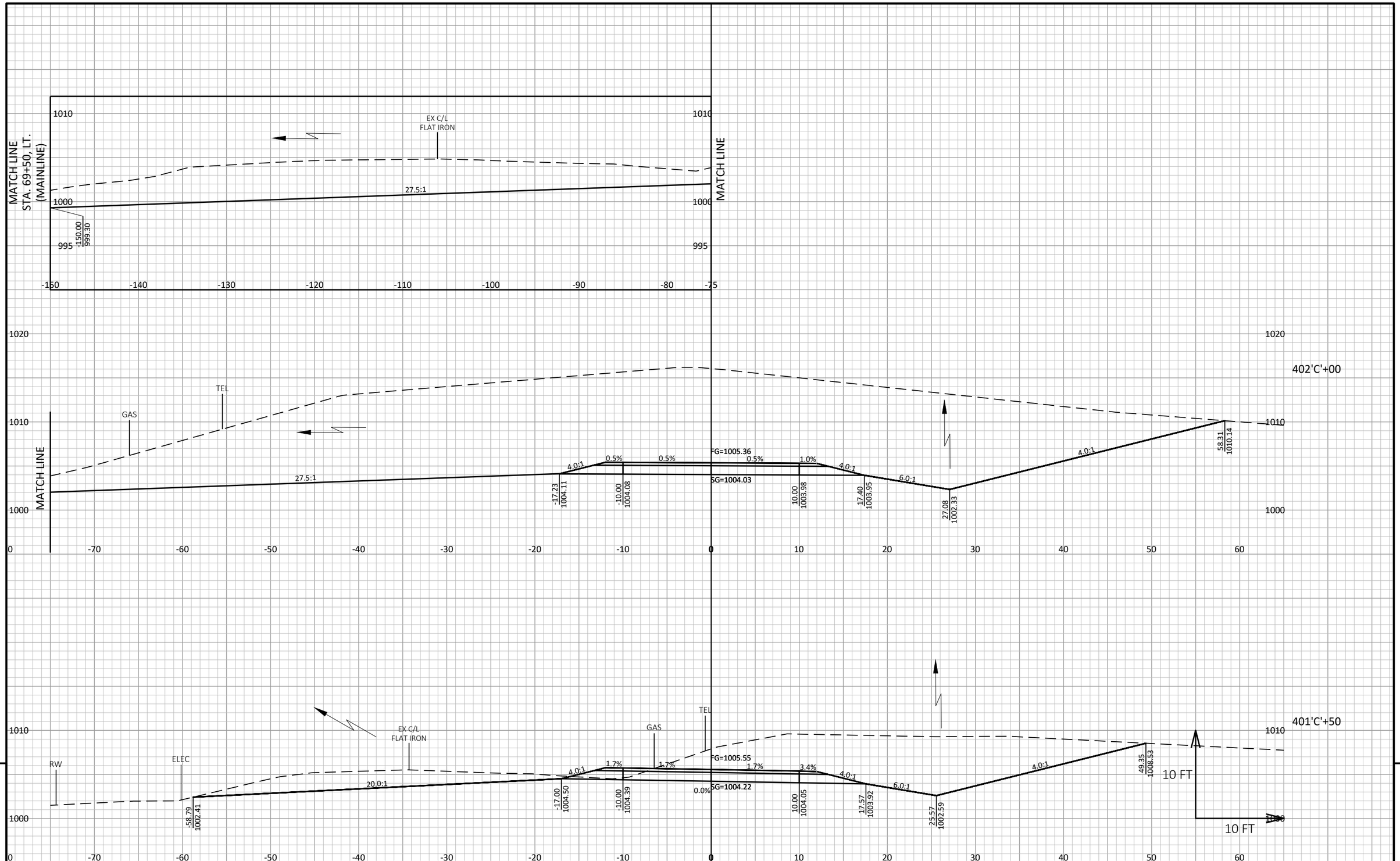


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'C'-LINE (FLAGSHIP AVENUE)	SHEET 198	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAGSHIP - 1

PLOT DATE : 10/29/2021 2:25 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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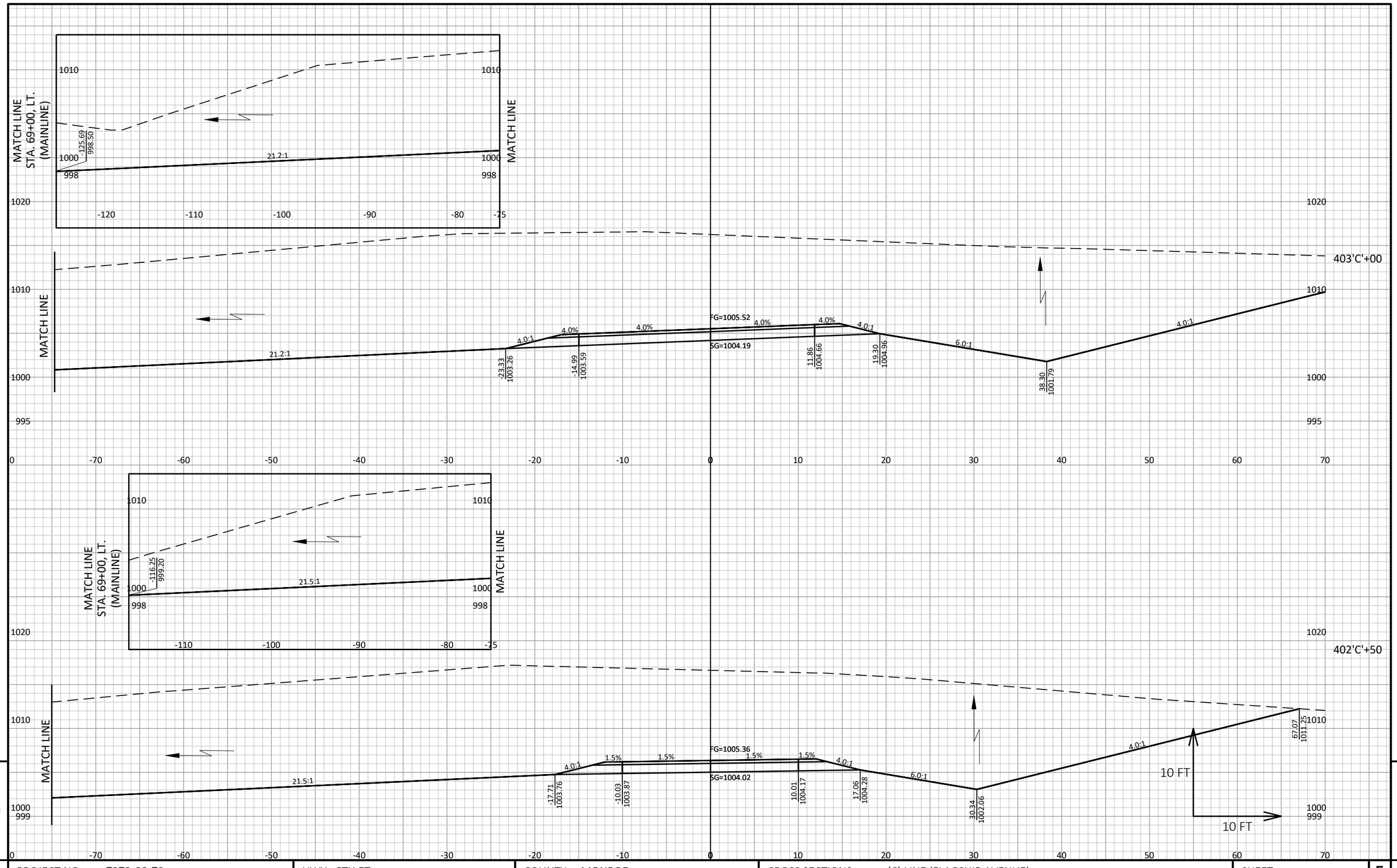
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'C'-LINE (FLAGSHIP AVENUE)	SHEET 199	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAGSHIP - 2

PLOT DATE : 10/29/2021 2:25 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'C'-LINE (FLAGSHIP AVENUE)	SHEET 200	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAGSHIP - 3

PLOT DATE : 10/29/2021 2:26 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9

STATION 403'C'+85
(1) PIPE ARCH CORRUGATED STEEL 42X29-INCH
(2) APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS STEEL 42X29-INCH 4 TO 1 REQ'D
SKEW=0°

403'C'+85

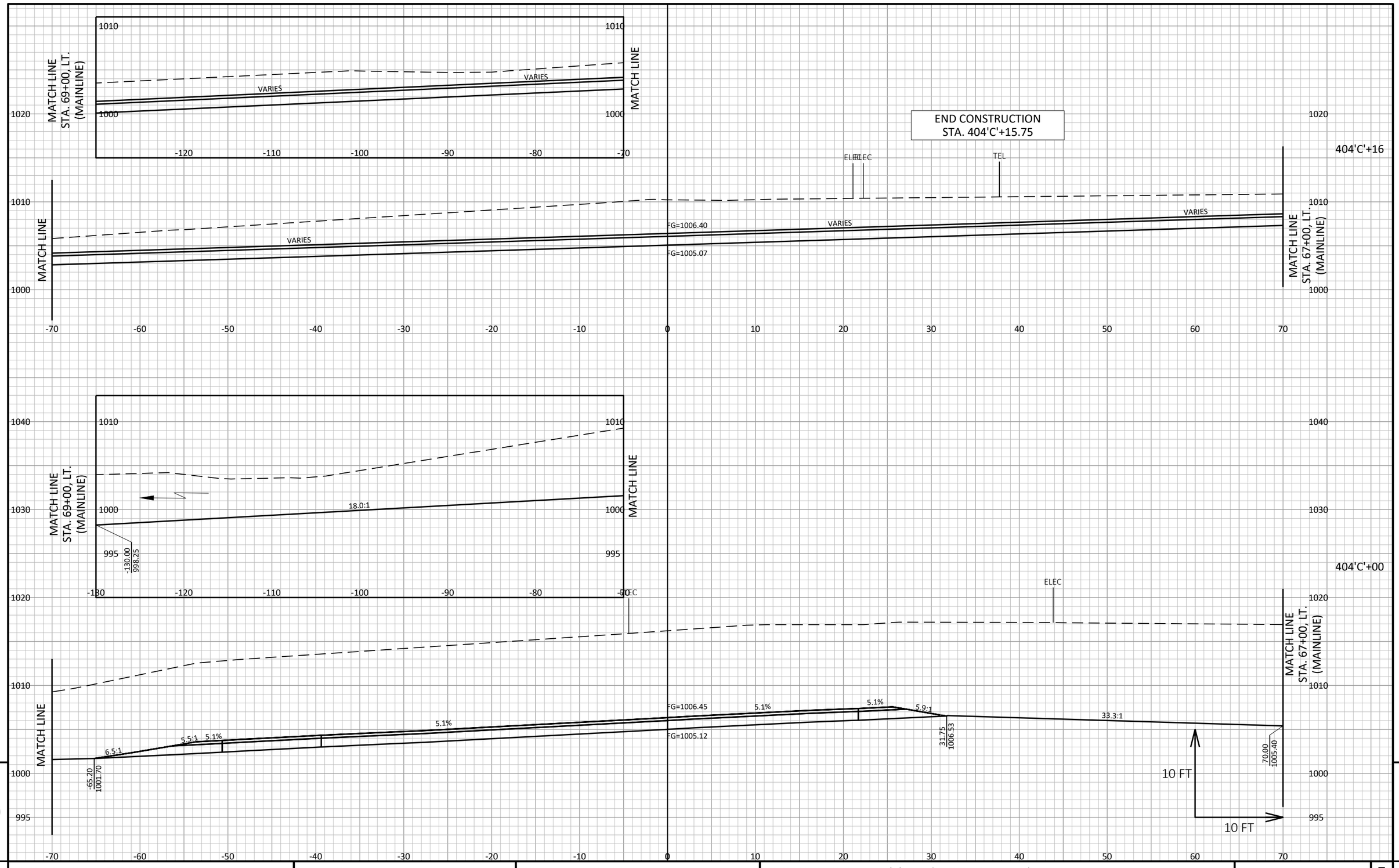
403'C'+50

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'C'-LINE (FLAGSHIP AVENUE)	SHEET 201 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAGSHIP - 4

PLOT DATE : 10/29/2021 2:26 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'C'-LINE (FLAGSHIP AVENUE)	SHEET 202	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAGSHIP - 5

PLOT DATE : 10/29/2021 2:26 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA. 501'D'+50
MATCH EXISTING

501'D'+50

RW TEL RW OH

501'D'+00

RW OH RW

-34.21 991.92 | -28.56 990.51 | -20.66 991.82 | -12.12 991.99 | 12.43 991.99 | 20.98 991.82 | 30.40 990.25 | 38.26 991.56

FG=993.57
SG=992.24

500'D'+50

RW ELEC ELEC OH

-41.73 992.98 | -36.27 991.76 | -27.30 993.05 | -17.92 993.14 | 20.72 993.38 | 30.45 993.37 | 48.28 990.50 | 53.46 991.65

FG=994.89
FG=993.56

BEGIN CONSTRUCTION
STA. 500'D'+18

MATCH LINE
STA. 102+00, RT. (MAINLINE)

MATCH LINE
STA. 100+00, RT. (MAINLINE)

500'D'+18

VARIES VARIES VARIES VARIES VARIES

FG=995.85
FG=994.52

OH 10 FT 10 FT

MATCH LINE

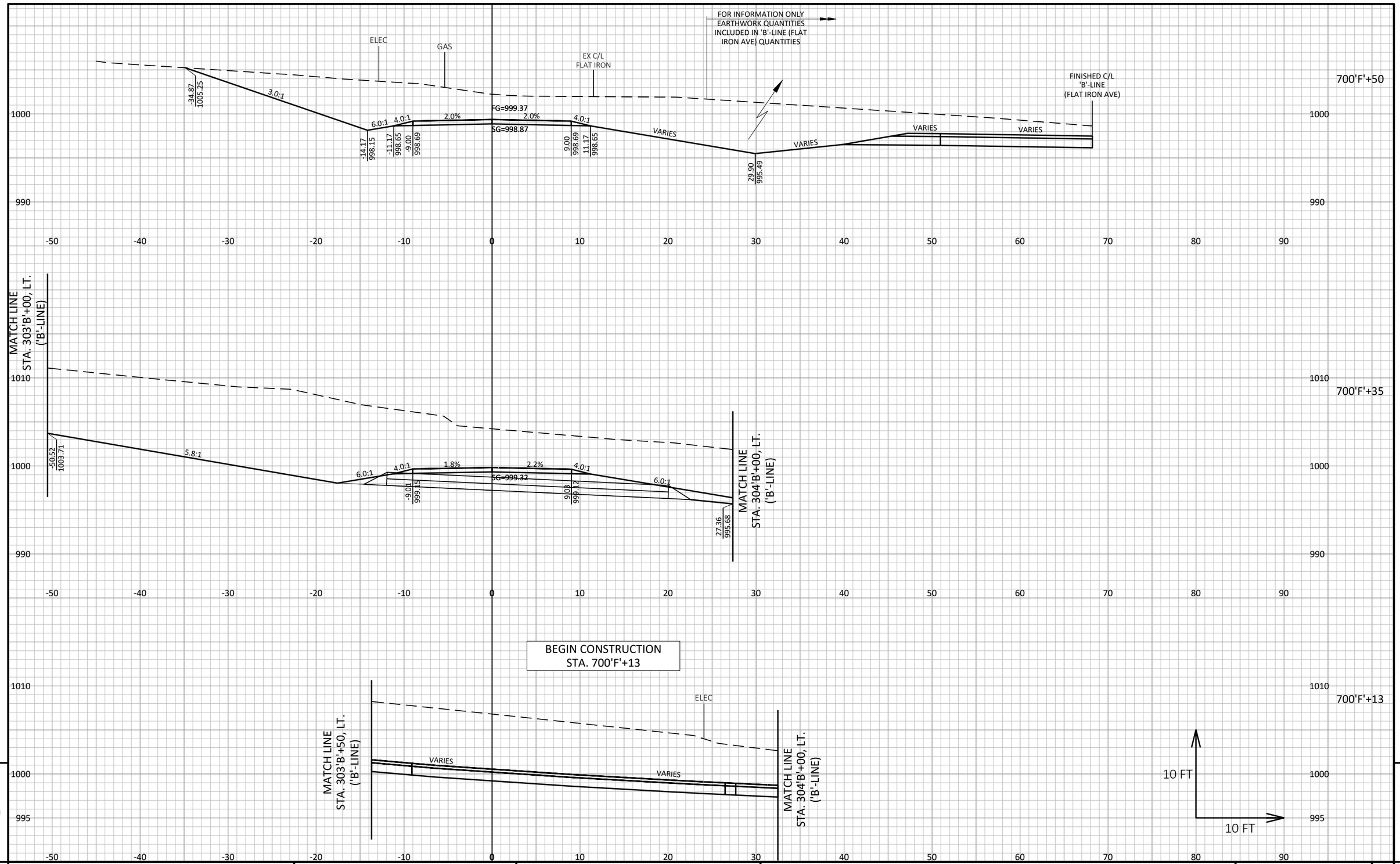
9 9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'D'-LINE (FLARE AVENUE)	SHEET 203	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLARE1

PLOT DATE : 10/18/2021 2:05 PM PLOT BY : CODY KINTZ PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'F'-LINE (P.E.)	SHEET 204	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DW FLAT IRON LT - 1

PLOT DATE : 10/29/2021 2:27 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA. 701'F'+80
MATCH EXISTING

701'F'+80

RW

FOR INFORMATION ONLY
EARTHWORK QUANTITIES
INCLUDED IN MAINLINE
QUANTITIES

FINISHED C/L
MAINLINE
(CTH ET)

ELEC
GAS
EX. C/L
CTH ET
TEL
VARIES

FG=995.37
SG=994.87

-26.64
996.29
-19.17
993.31
-11.17
994.65
-9.00
994.69
9.00
994.69
11.17
994.63
39.40
991.00

701'F'+50

FOR INFORMATION ONLY
EARTHWORK QUANTITIES
INCLUDED IN MAINLINE
QUANTITIES

FINISHED C/L
'B'-LINE
(FLAT IRON AVE)

ELEC
GAS
EX C/L
FLAT IRON
TEL
VARIES
10 FT

FG=997.42
SG=996.92

-23.00
996.89
-19.17
995.36
-11.17
996.70
-9.00
996.74
9.00
996.74
11.17
996.70
50.18
993.22

701'F'+00

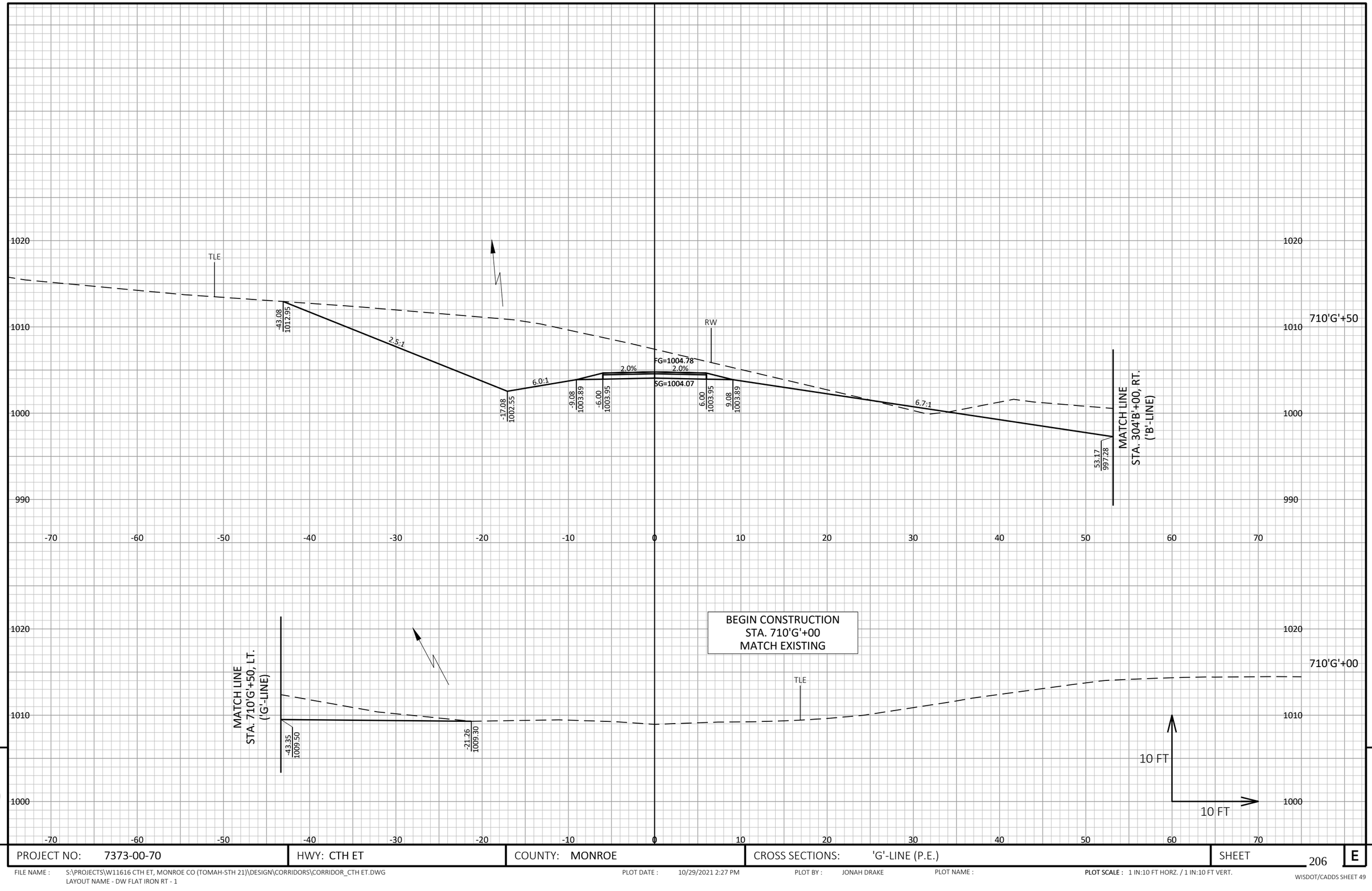
2.5:1
6.0:1
4.0:1
2.0%

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'F'-LINE (P.E.)	SHEET 205	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DW FLAT IRON LT - 2

PLOT DATE : 10/29/2021 2:27 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'G'-LINE (P.E.)	SHEET 206	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DW FLAT IRON RT - 1

PLOT DATE : 10/29/2021 2:27 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA. 711'G'+07.41

MATCH LINE
STA. 303'B'+50, RT.
('B'-LINE)

MATCH LINE
STA. 304'B'+00, RT.
('B'-LINE)

VARIES

FG=1001.79

FG=1000.46

VARIES

16.50
1001.15

38.92
998.15

711'G'+07

DRAINAGE BERM
(SEE CONSTRUCTION DETAILS
FOR FURTHER INFORMATION)

EX C/L
FLAT IRON

16.68
1004.69

4.0:1

2.0%

FG=1002.14

2.0%

SG=1001.43

6.00
1001.31

6.00
1001.31

9.08
1001.25

9.8:1

40.77
998.01

711'G'+00

10 FT

10 FT

1010
1000
990

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

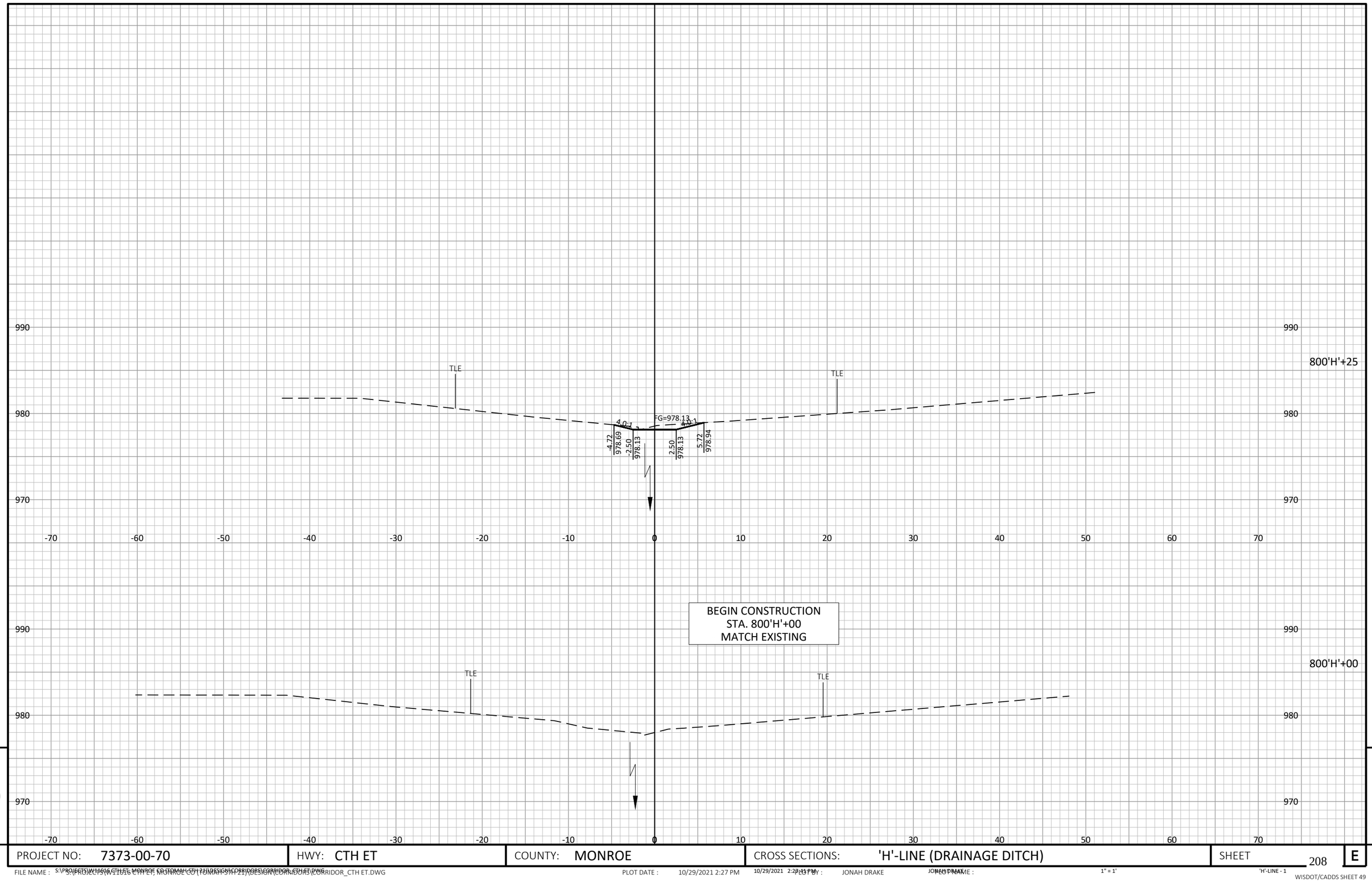
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'G'-LINE (P.E.)	SHEET 207	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DW FLAT IRON RT - 2

PLOT DATE : 10/29/2021 2:27 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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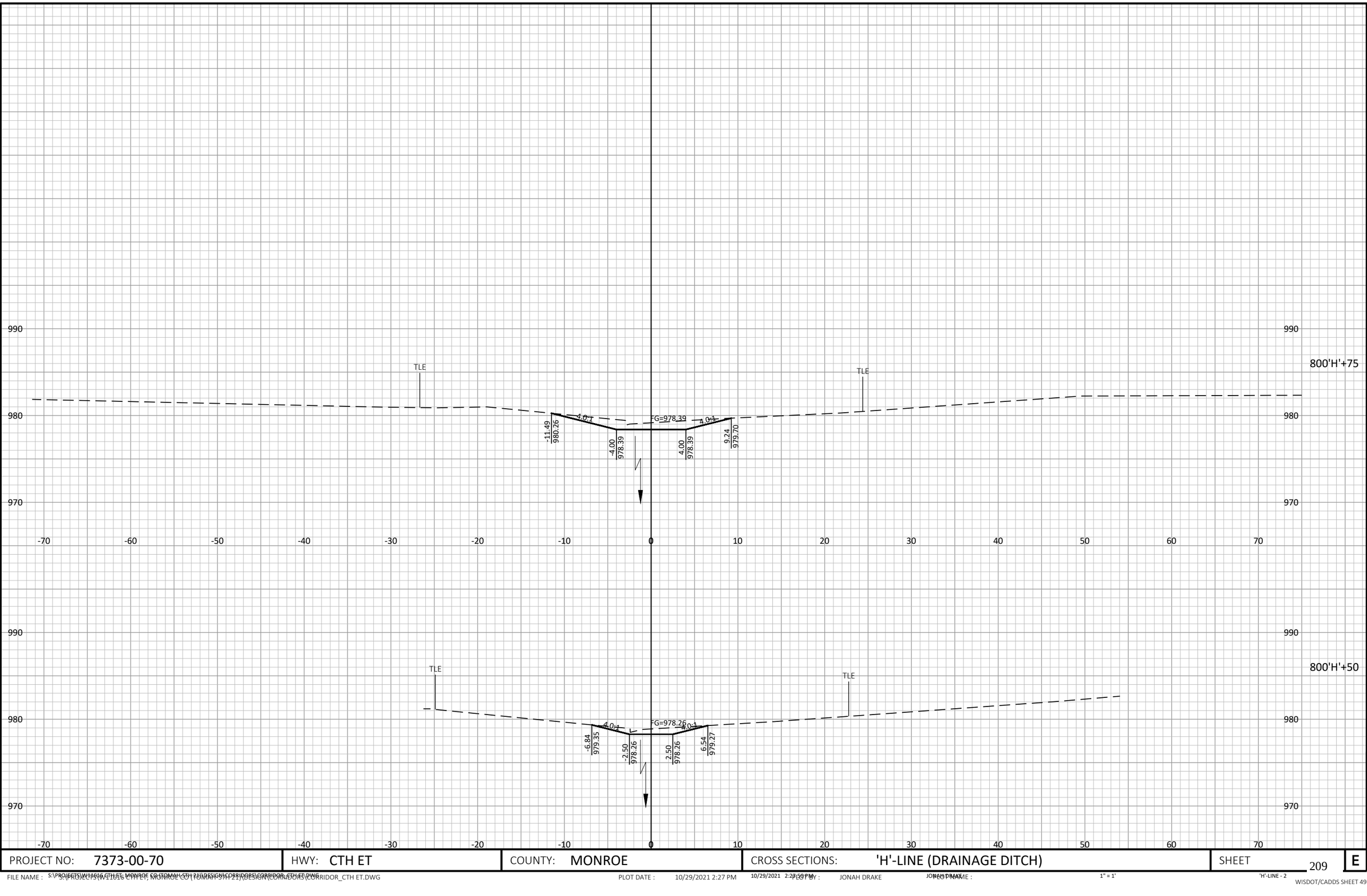
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'H'-LINE (DRAINAGE DITCH)	SHEET 208	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-CTH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
PLOT DATE : 10/29/2021 2:27 PM
10/29/2021 2:27:43 PM
PLOT BY : JONAH DRAKE
JONAH DRAKE
PLOT NAME :
1" = 1'
'H'-LINE - 1



9

9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'H'-LINE (DRAINAGE DITCH)	SHEET 209	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-SPT 2.1)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
PLOT DATE : 10/29/2021 2:27 PM
10/29/2021 2:27:50 PM
PLOT BY : JONAH DRAKE
JONAH DRAKE
DGN NAME :
1" = 1'
'H'-LINE - 2
WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA. 801'H'+34.65

801'H'+35

990
980
970

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

FG=978.70
4.0:1
4.0:1
-21.77
980.39
-15.00
978.70
15.00
978.70
24.48
981.07

801'H'+25

990
980
970

FG=978.65
4.0:1
4.0:1
-21.89
980.37
-15.00
978.65
15.00
978.65
23.57
980.79

801'H'+00

RW

990
980
970

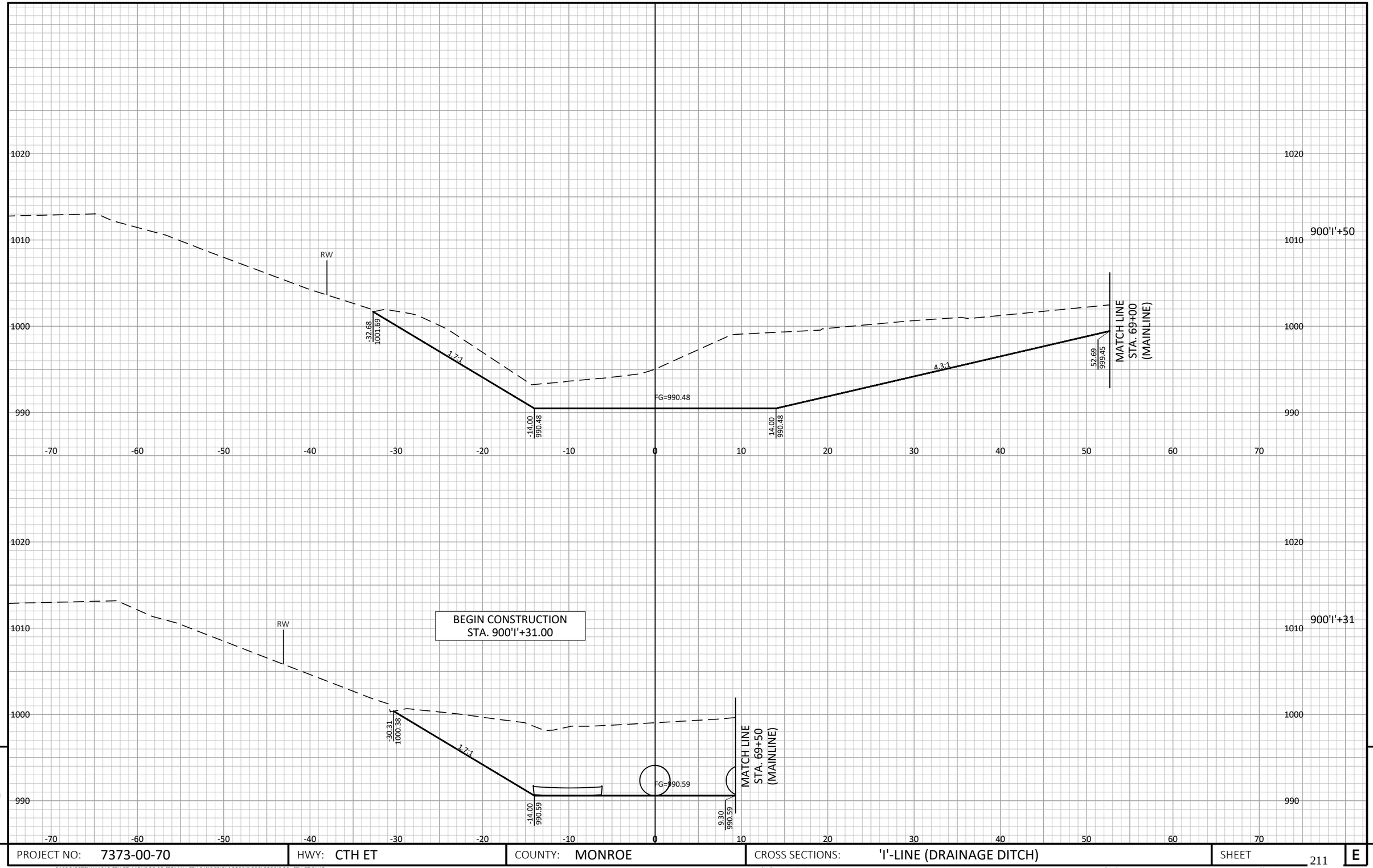
FG=978.52
4.0:1
4.0:1
-18.32
980.73
-9.50
978.52
9.50
978.52
15.65
980.06

9

9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'H'-LINE (DRAINAGE DITCH)	SHEET 210	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-CMH 23)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
PLOT DATE : 10/29/2021 2:27 PM
10/29/2021 2:27:59 PM
PLOT BY : JONAH DRAKE
JONAH DRAKE
PLOT NAME :
1" = 1'
'H'-LINE - 3
WISDOT/CADDS SHEET 49



9

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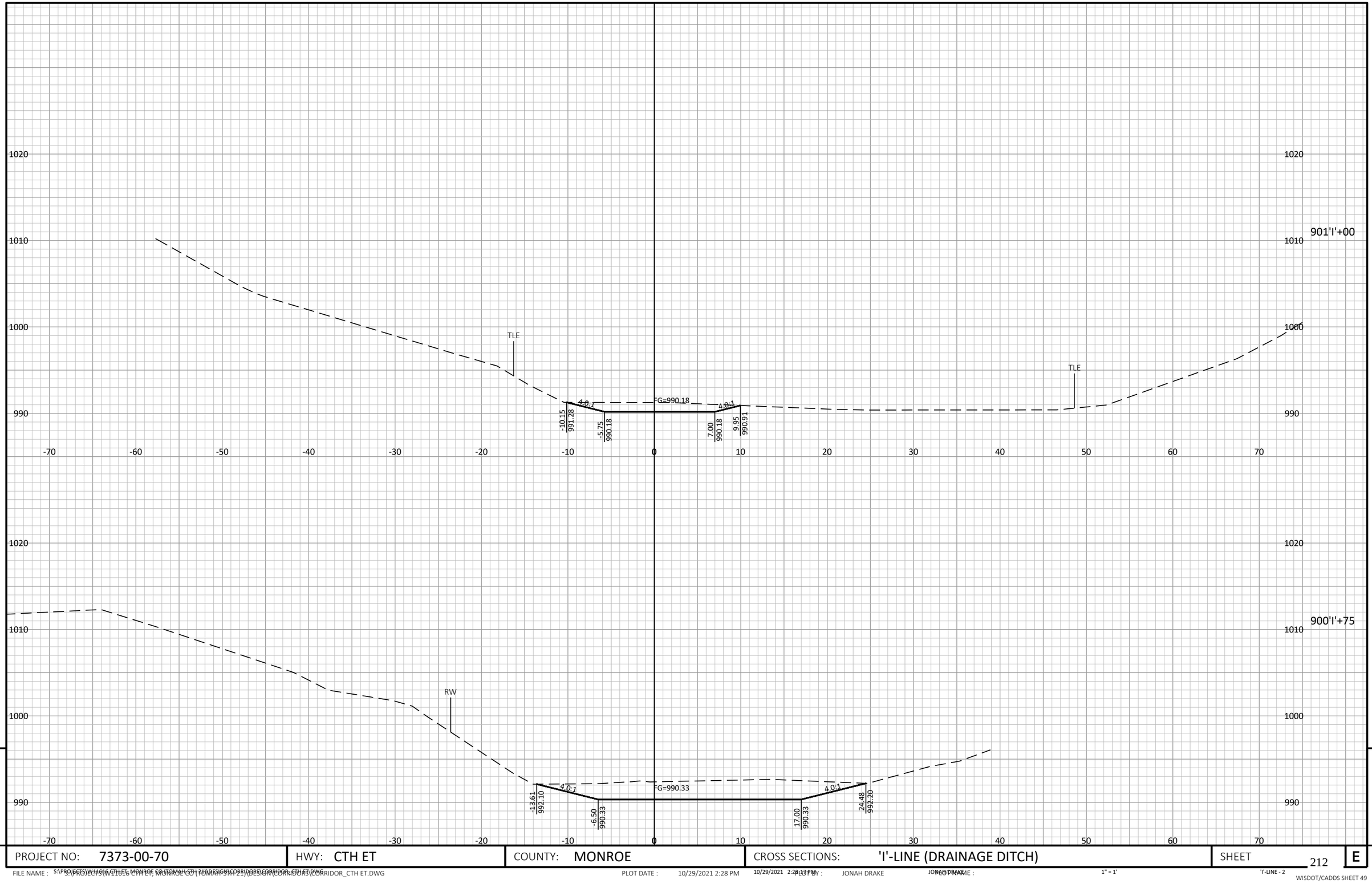
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'I'-LINE (DRAINAGE DITCH)	SHEET 211	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
PLOT DATE : 10/29/2021 2:28 PM
10/29/2021 2:28:08 PM
PLOT BY : JONAH DRAKE
JONAH DRAKE
PLOT NAME :
1" = 1'
'I'-LINE - 1
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'I'-LINE (DRAINAGE DITCH)	SHEET 212	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-CTH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
PLOT DATE : 10/29/2021 2:28 PM
10/29/2021 2:28:13 PM PLOT BY : JONAH DRAKE
JONAH DRAKE PLOT NAME :
1" = 1'
'I'-LINE - 2
WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA. 901'I'+35.00
MATCH EXISTING

TLE

901'I'+35

901'I'+25

TLE

TLE

-3.89
990.37

-2.50
990.03

3.13
990.18

2.50
990.03

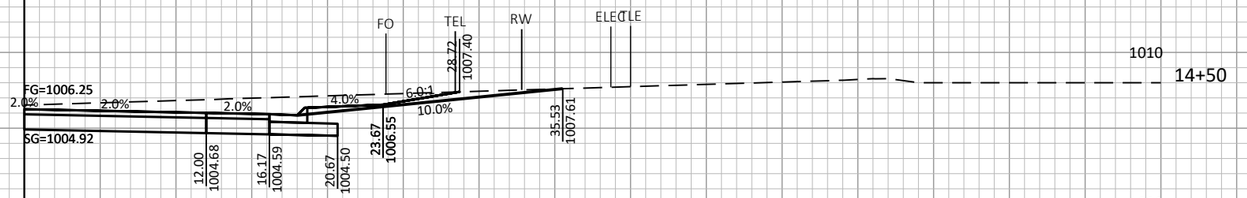
9

9

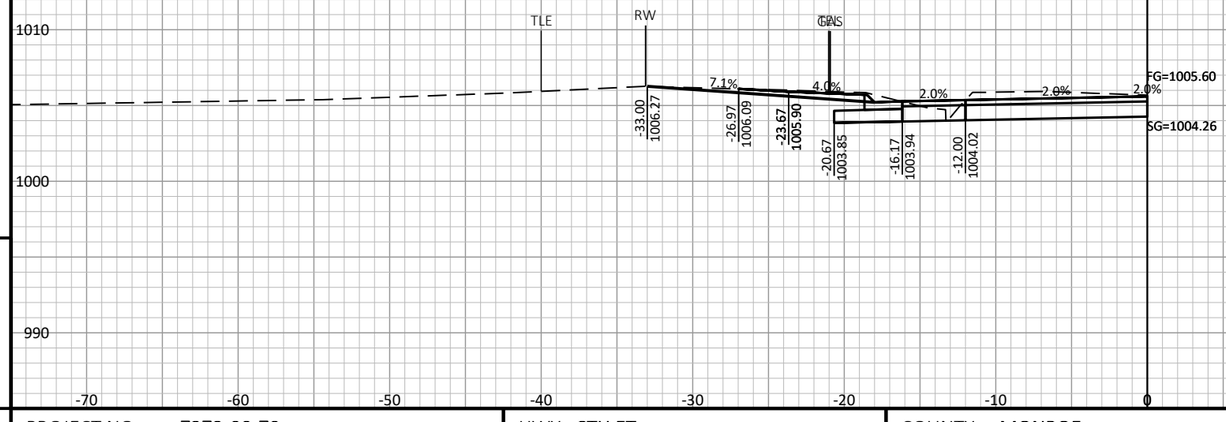
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: 'I'-LINE (DRAINAGE DITCH)	SHEET 213	E

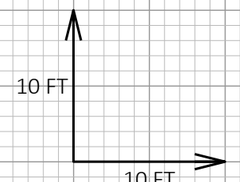
FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-SYH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
PLOT DATE : 10/29/2021 2:28 PM
PLOT BY : JONAH DRAKE
PLOT NAME : 'I'-LINE - 3
1" = 1'

STA. 14+50, RT.
CONSTRUCT P.E. (B.A.D.)



STA. 13+96, LT.
CONSTRUCT P.E. (B.A.D.)





-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

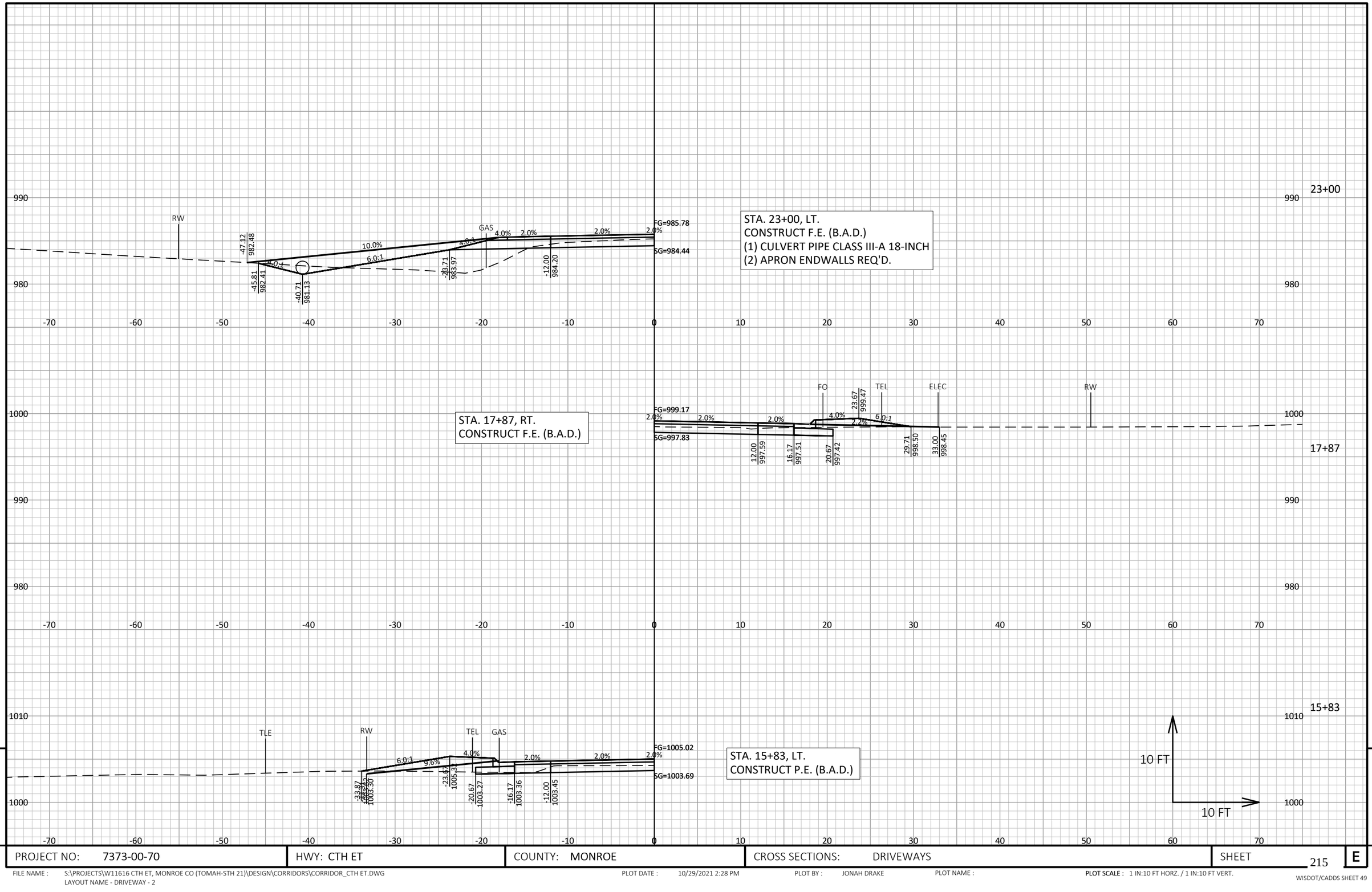
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 214	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 1

PLOT DATE : 10/29/2021 2:28 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



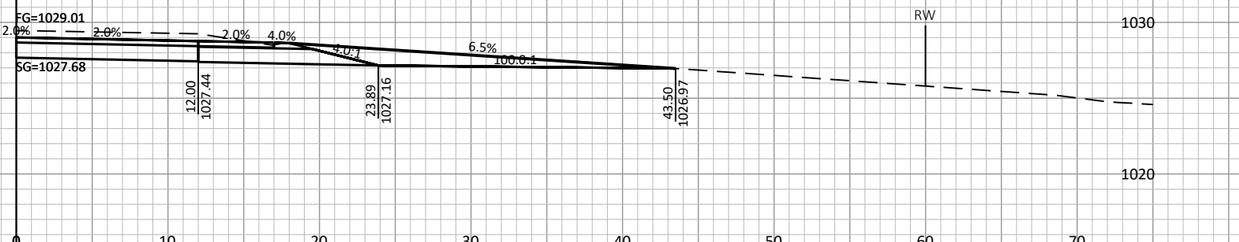
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 215 E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 2

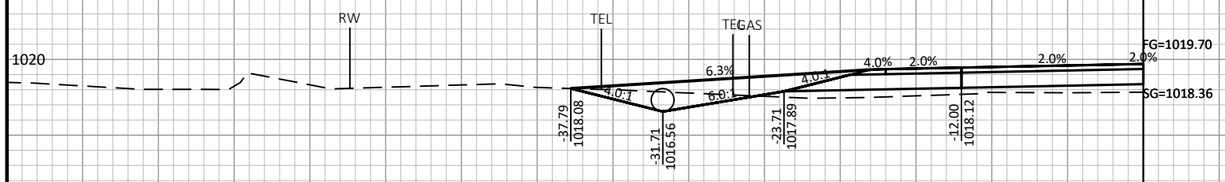
PLOT DATE : 10/29/2021 2:28 PM PLOT BY : JONAH DRAKE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

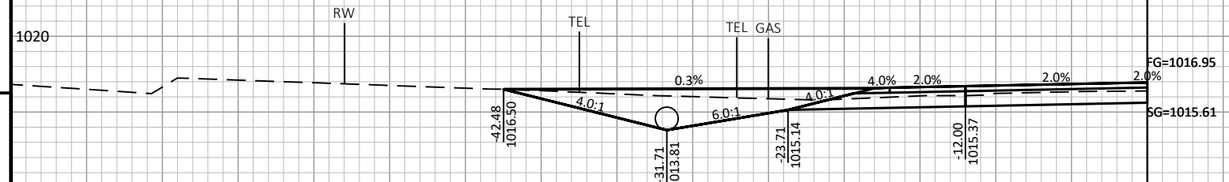
STA. 45+17, RT.
CONSTRUCT F.E. (B.A.D.)

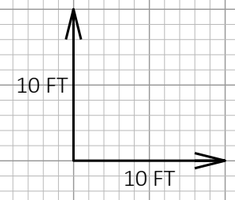


STA. 42+49, LT.
CONSTRUCT P.E. (ASPHALT)
(1) CULVERT PIPE CLASS IV 18-INCH
(2) APRON ENDWALLS REQ'D.



STA. 41+83, LT.
CONSTRUCT P.E. (ASPHALT)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.



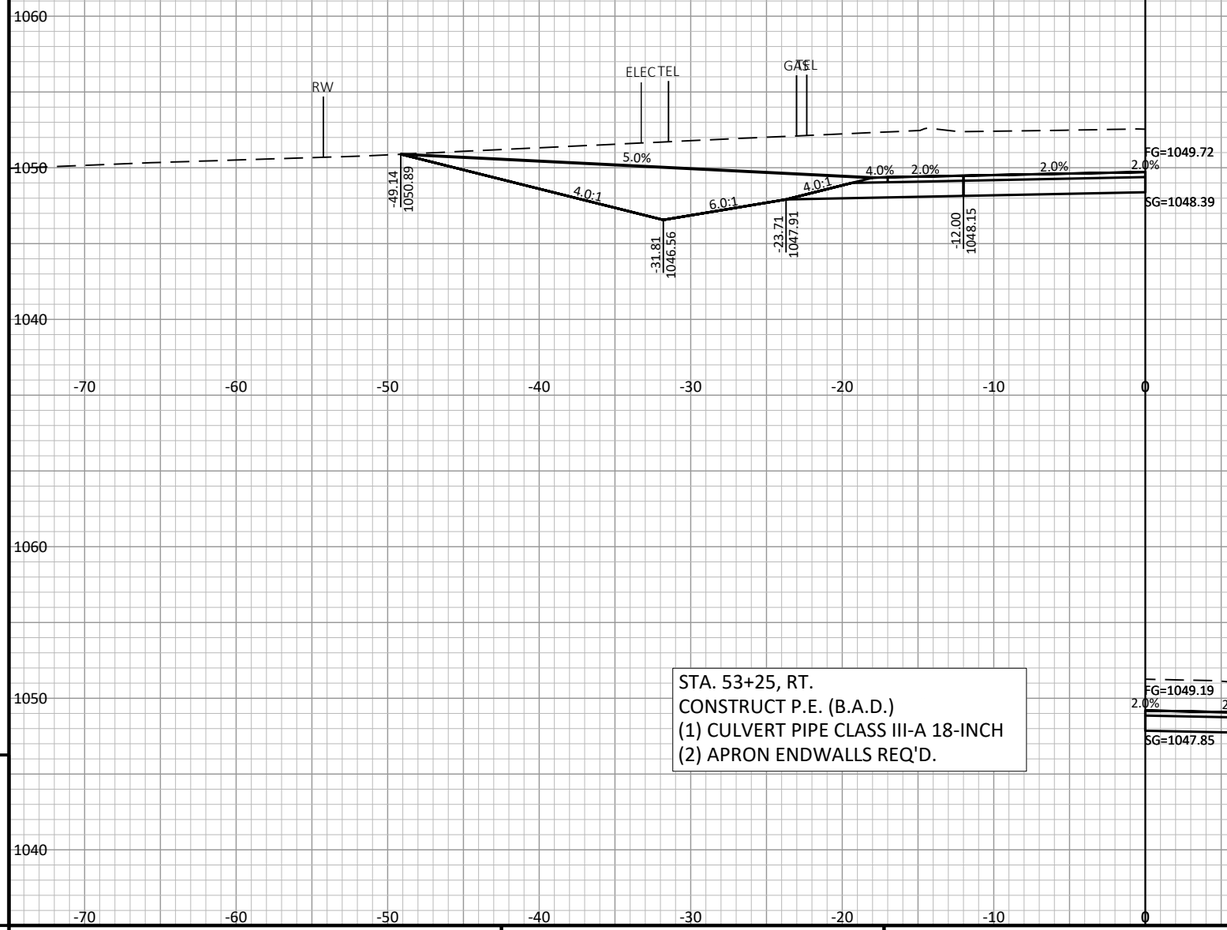


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 216	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 3

PLOT DATE : 10/29/2021 2:28 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

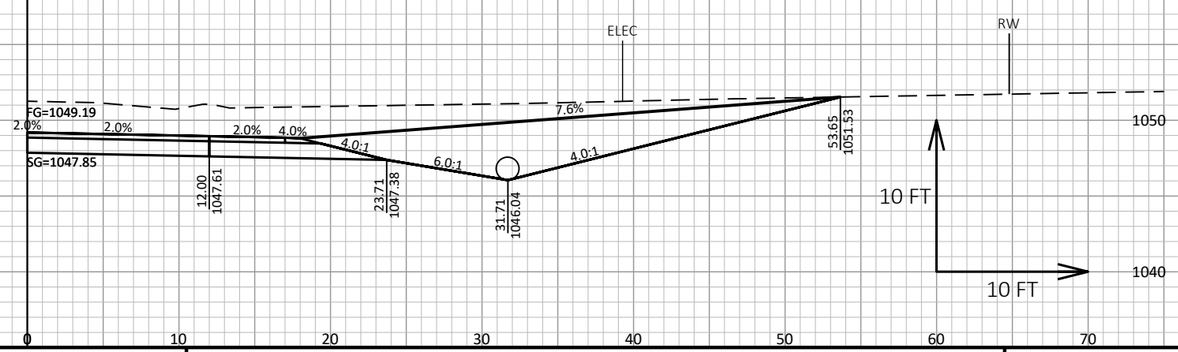
WISDOT/CADDS SHEET 49



54+11

STA. 54+11, LT.
CONSTRUCT F.E. (B.A.D.)

STA. 53+25, RT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.



53+25

9

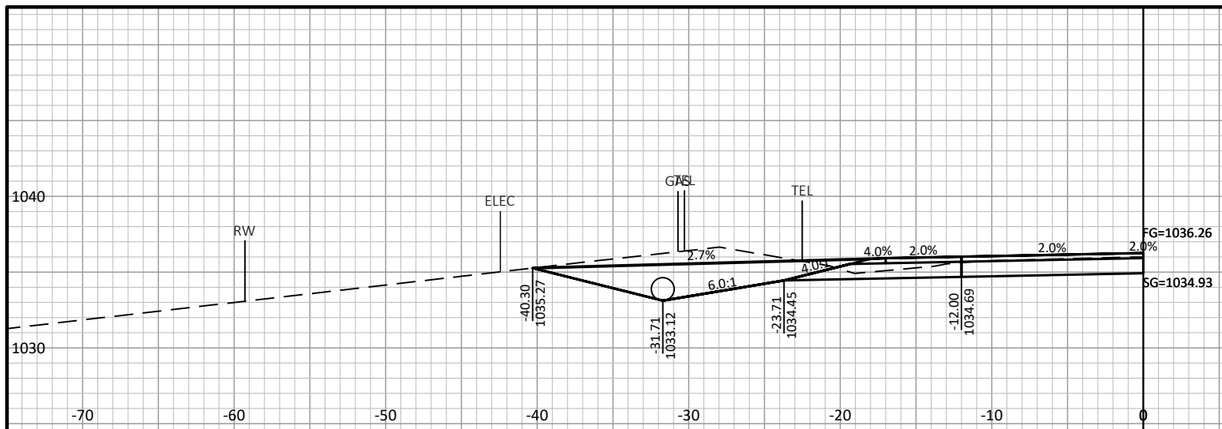
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 217	E

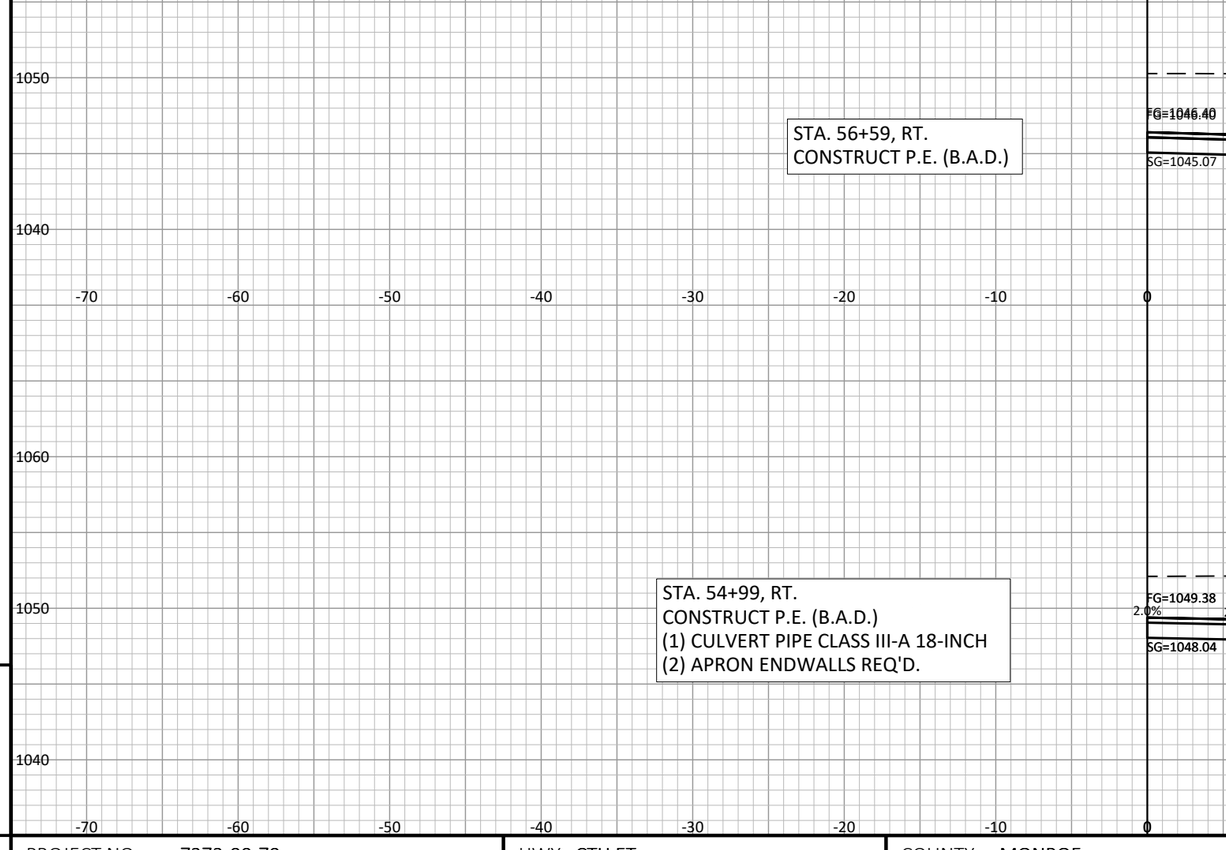
FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 4

PLOT DATE : 10/29/2021 2:29 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



STA. 59+00, LT.
CONSTRUCT F.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.



STA. 56+59, RT.
CONSTRUCT P.E. (B.A.D.)

STA. 54+99, RT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

9

9

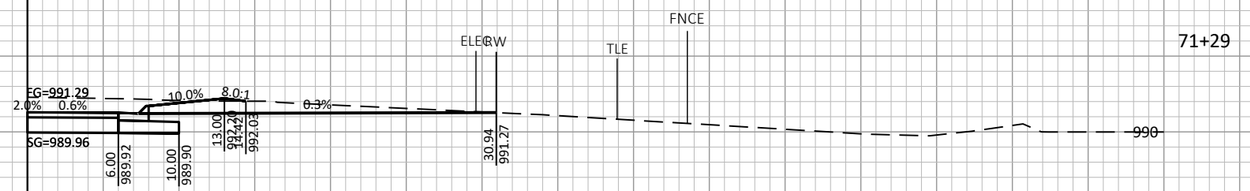
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 218	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 5

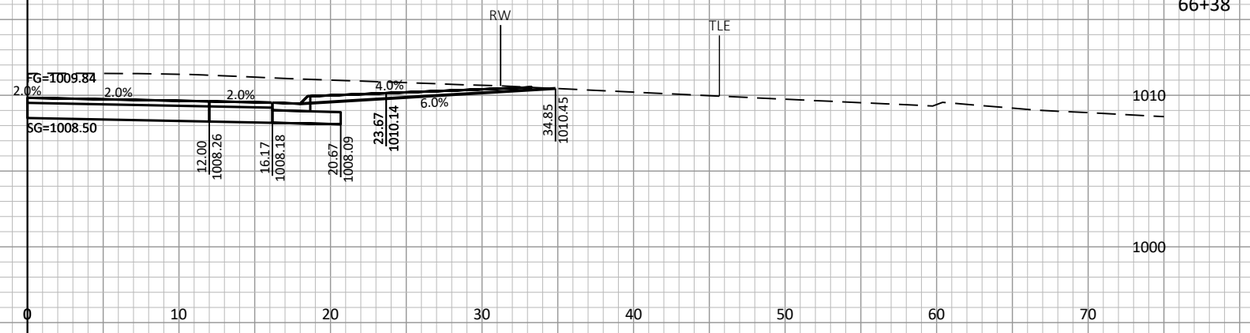
PLOT DATE : 10/29/2021 2:29 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

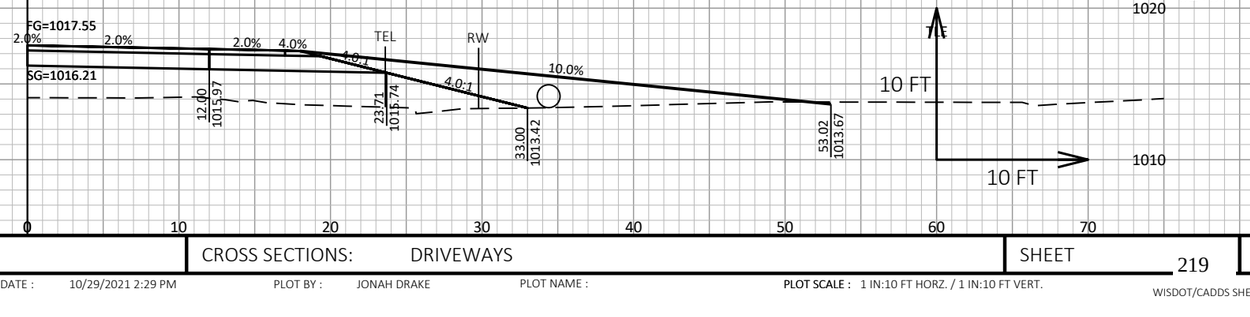
STA. 71+29, RT.
CONSTRUCT F.E. (B.A.D.)



STA. 66+38, RT.
CONSTRUCT P.E. (ASPHALT)



STA. 62+50, RT.
CONSTRUCT F.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.



9

9

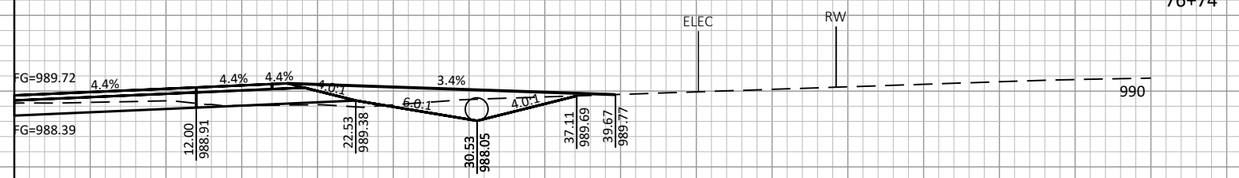
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 219	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 6

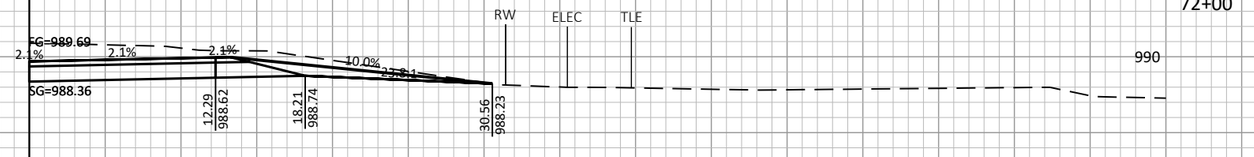
PLOT DATE : 10/29/2021 2:29 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

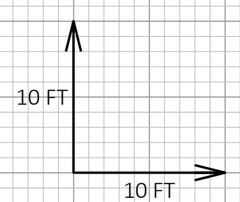
STA. 76+74, RT.
CONSTRUCT F.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.



STA. 72+00, RT.
CONSTRUCT F.E. (B.A.D.)

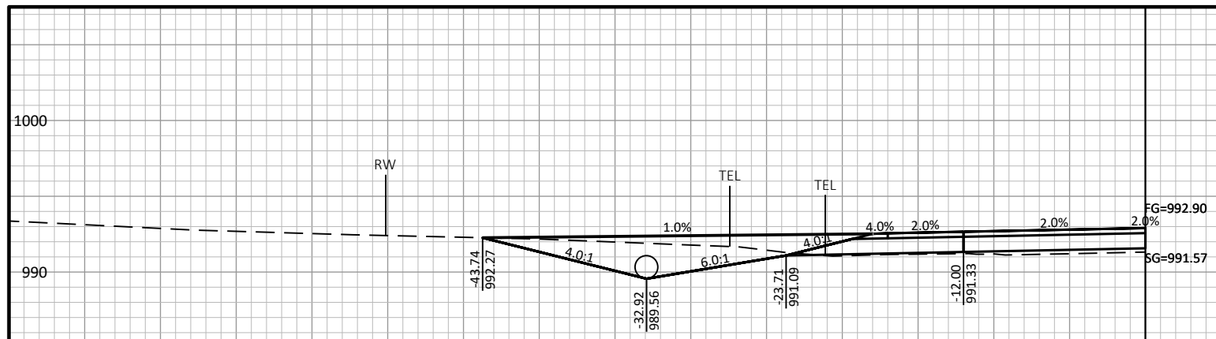


STA. 72+00, LT.
CONSTRUCT F.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.



PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 220	E

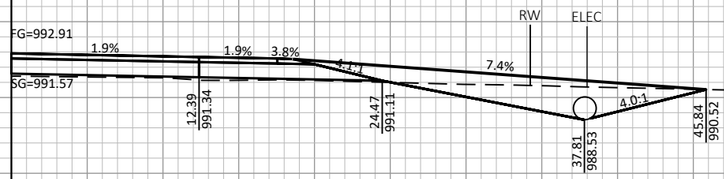
FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 7
PLOT DATE : 10/29/2021 2:29 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



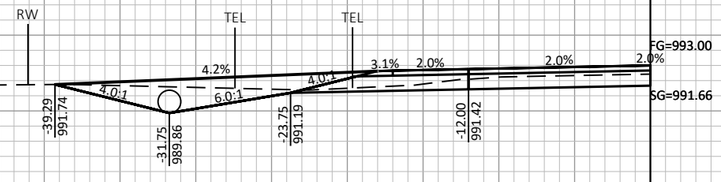
STA. 81+54, LT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

81+54

STA. 81+50, RT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.



81+50



STA. 80+70, LT.
CONSTRUCT F.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

80+70

10 FT
10 FT

9

9

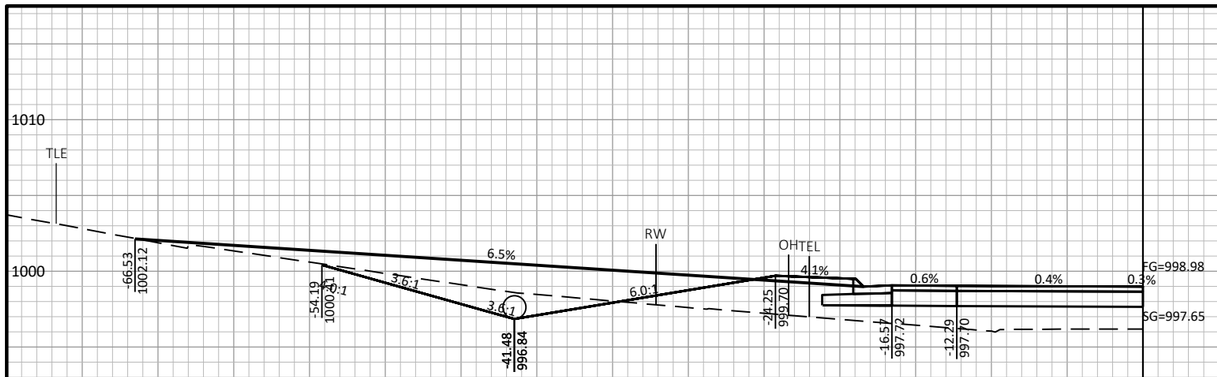
PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 221	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 8

PLOT DATE : 11/1/2021 8:29 AM PLOT BY : JONAH DRAKE PLOT NAME :

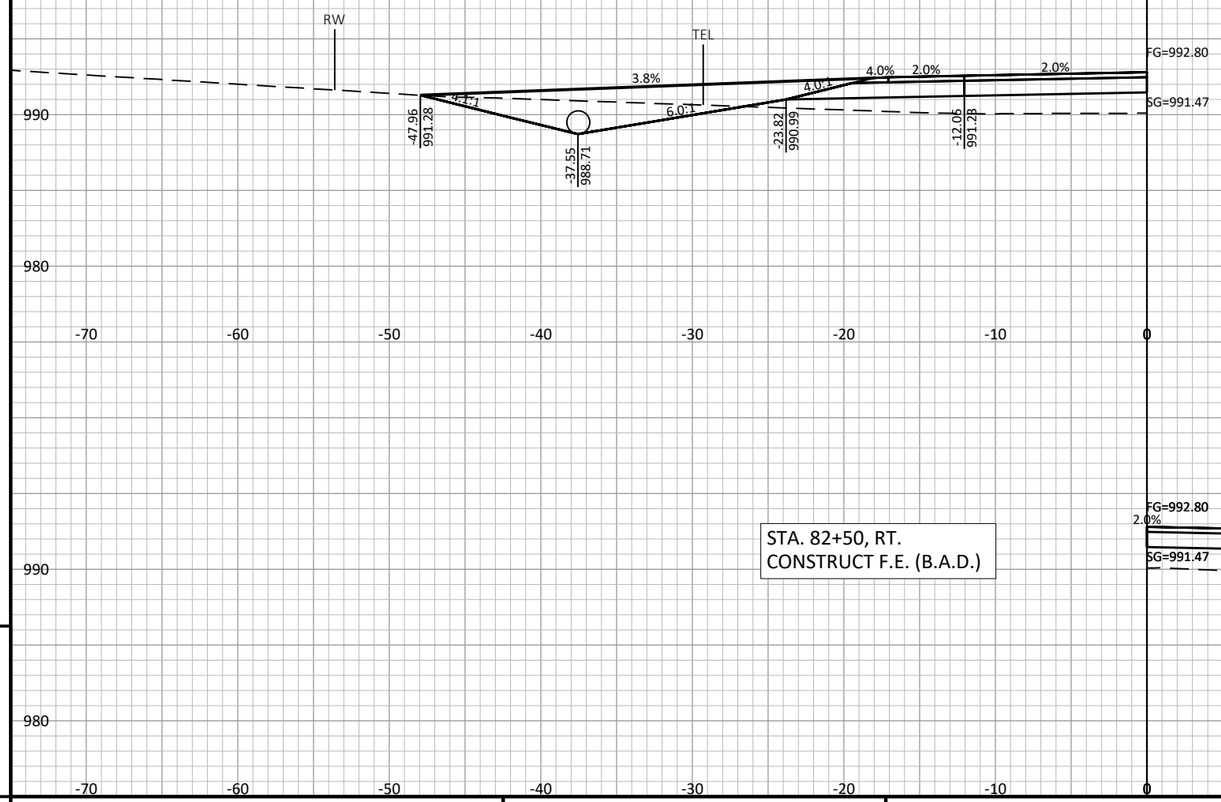
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



92+34

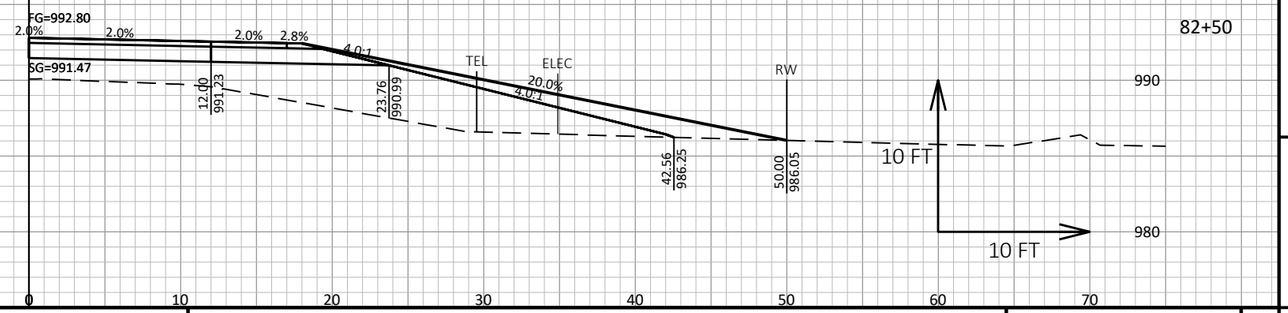
STA. 92+34, LT.
CONSTRUCT P.E. (CONCRETE)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.



82+50

STA. 82+50, LT.
CONSTRUCT P.E. (B.A.D.)
(1) CULVERT PIPE CLASS III-A 18-INCH
(2) APRON ENDWALLS REQ'D.

STA. 82+50, RT.
CONSTRUCT F.E. (B.A.D.)



82+50

82+50

9

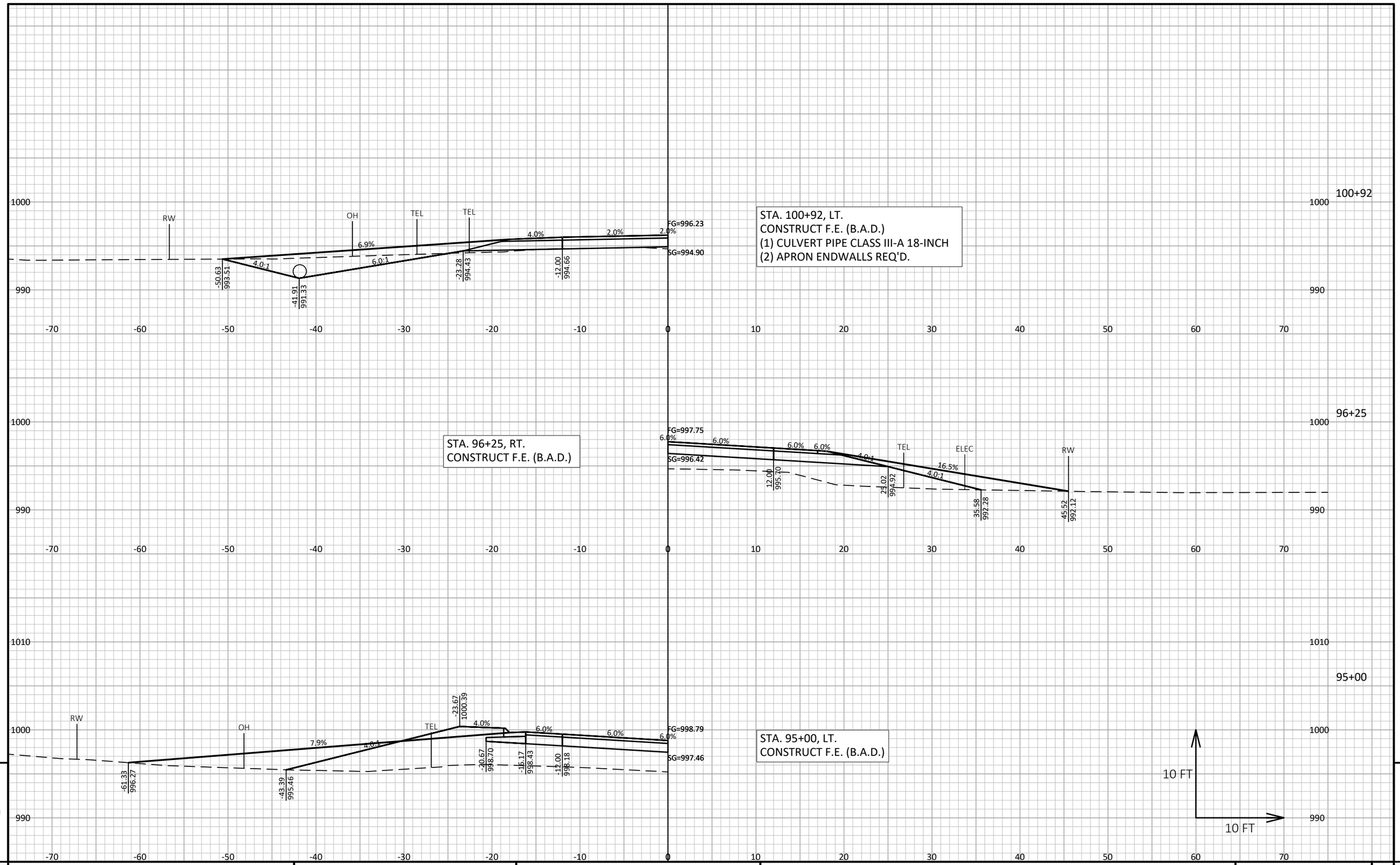
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 222	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 9

PLOT DATE : 11/1/2021 11:26 AM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

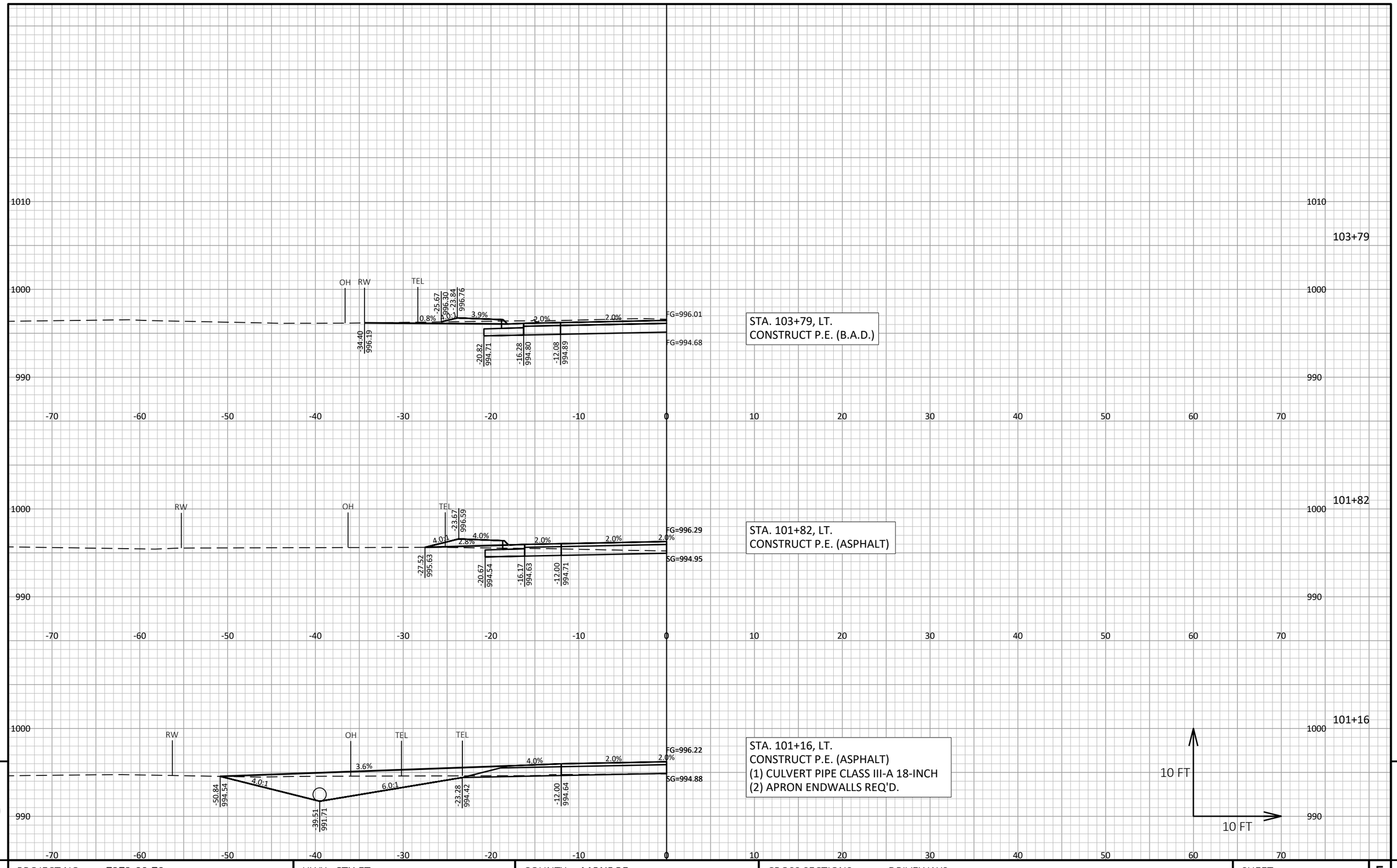


PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 223	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 10

PLOT DATE : 10/29/2021 2:30 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

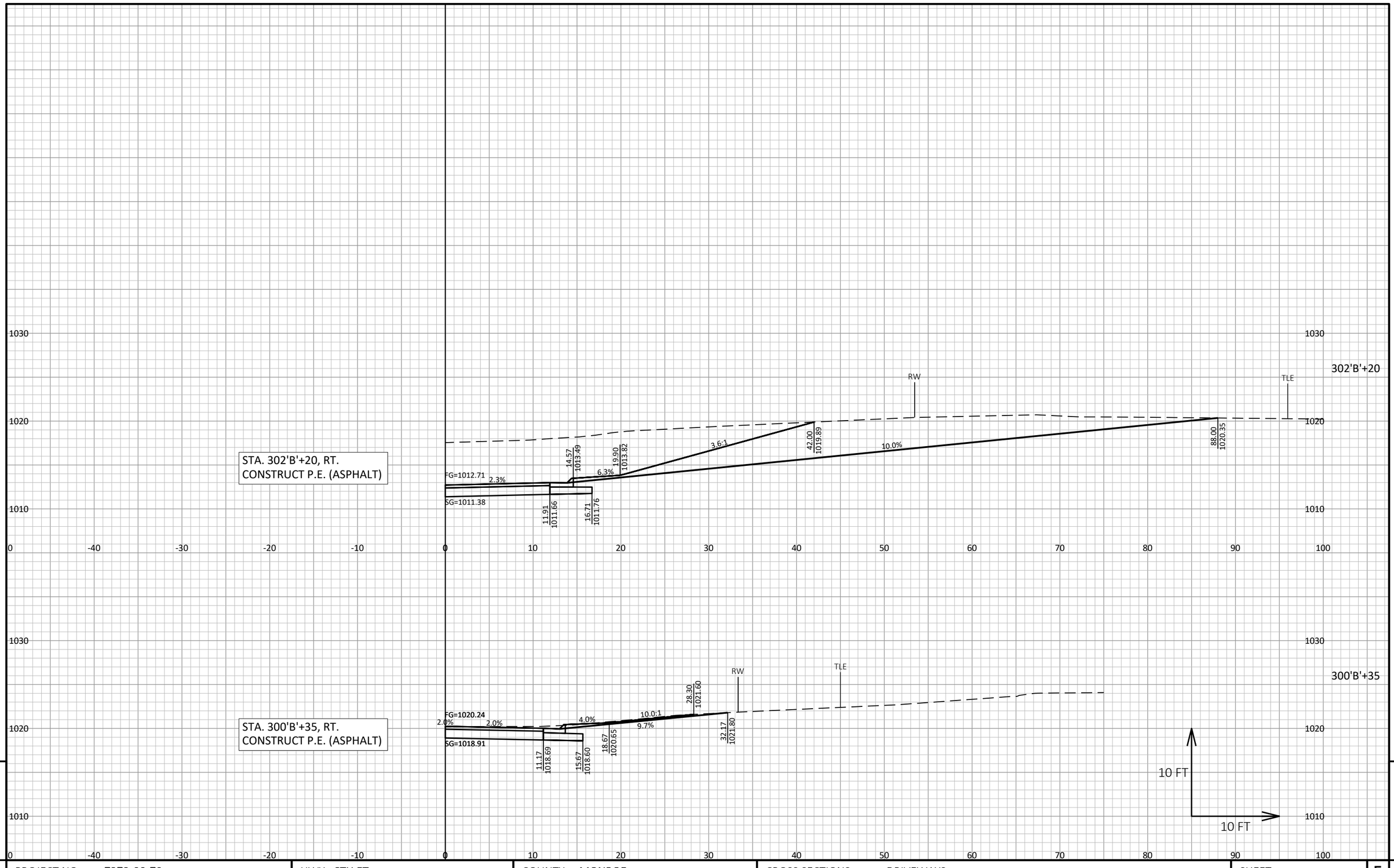
9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 224	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - DRIVEWAY - 11

PLOT DATE : 10/29/2021 2:30 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 7373-00-70	HWY: CTH ET	COUNTY: MONROE	CROSS SECTIONS: DRIVEWAYS	SHEET 225	E

FILE NAME : S:\PROJECTS\W11616 CTH ET, MONROE CO (TOMAH-STH 21)\DESIGN\CORRIDORS\CORRIDOR_CTH ET.DWG
LAYOUT NAME - FLAT IRON DWS 1

PLOT DATE : 10/29/2021 2:30 PM PLOT BY : JONAH DRAKE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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