RHI

PROJECT ID: 9513-01-70

WITH: N/A

41

COUNTY: VILAS

NOVEMBER 2024

ORDER OF SHEETS

TOTAL SHEETS = 198

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9513-01-70	WISC 2025060	1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CTH K - CTH B

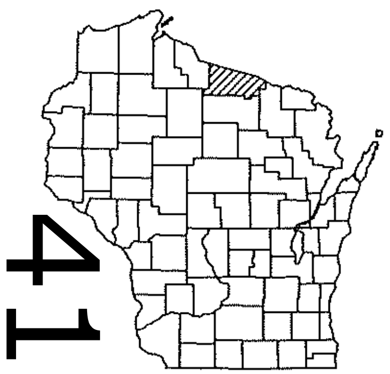
E FLOWAGE ROAD TO RUMMELS ROAD

CTH S

VILAS COUNTY

STATE PROJECT NUMBER

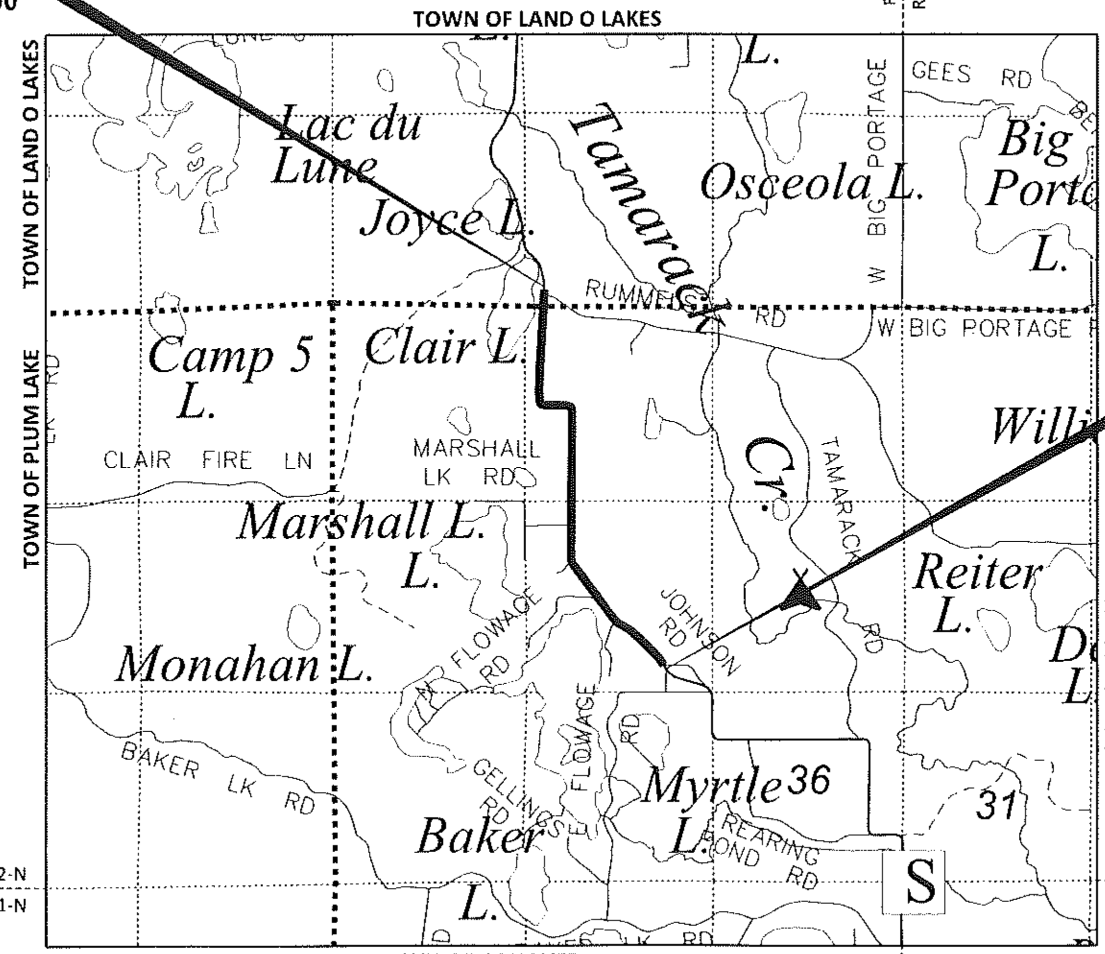
9513-01-70



N

END PROJECT
STA. 387+50.00

BEGIN PROJECT
STA. 273+50.00
Y = 168,226.79
X = 480,895.87



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 2.159 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, VILAS 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 REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88 (2012).

DESIGN DESIGNATION

A.A.D.T.	(2025)	=	450
A.A.D.T.	(2045)	=	670
D.H.V.		=	95
D.D.		=	50/50
T.		=	10%
DESIGN SPEED		=	45 MPH
ESALS		=	190,000

CONVENTIONAL SYMBOLS

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

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

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

ACCEPTED FOR

VILAS COUNTY

Date 7/30/24 (Signature and Title of Official)

Highway Commissioner

ORIGINAL PLANS PREPARED BY

JEWELL associates engineers, inc

Engineers - Architects - Surveyors

WISCONSIN NICHOLAS G PEHLER E-48548 PORT EDWARDS, WI PROFESSIONAL ENGINEER

DATE: 7/25/24 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	JEWELL ASSOCIATES ENGINEERS, INC.
Designer	JEWELL ASSOCIATES ENGINEERS, INC.
Project Manager	NATHAN WAITE
Regional Examiner	NC REGION
Regional Supervisor	DAN ERVA, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 7/30/2024 (Signature)

E

GENERAL NOTES

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.

EROSION CONTROL ITEMS IN THE MISC. QUAN. ARE SUGGESTED. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. MAINTAIN EROSION CONTROL ITEMS UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

DISTURBED AREAS SHOWN WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS ARE TO BE FERTILIZED (TYPE B), SEEDED (USE SEEDING MIXTURE NO. 20), AND MULCHED AS DIRECTED BY THE ENGINEER.

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.

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

HMA PAVEMENT QUANTITIES WERE CALCULATED USING 112 LB/SY/IN.

4 INCHES TOTAL OF HMA PAVEMENT SHALL BE CONSTRUCTED. A 2.25" LOWER LAYER OF 3 LT 58-28 S AND A 1.75" UPPER LAYER OF 4 LT 58-34 S.

PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE ENTRANCES, COMMERCIAL, AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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

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

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO "DIGGERS HOTLINE" AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

IF THERE ARE CONFLICTS WITH SIGNS, THE CONTRACTOR WILL WORK AROUND THE UTILITY FACILITIES.

CONTACTS

WISCONSIN DOT:
WISDOT LOCAL PROGRAM PROJECT MANAGER
510 N. HANSON LAKE ROAD
RHINELANDER, WI 54501
ATTN: NATHAN WAITE
PH: (715) 365-5762
E-MAIL: NATHANIEL.WAITE@DOT.WI.GOV

DESIGN CONSULTANT:
JEWELL ASSOCIATES ENGINEERS, INC.
1210 PARKWOOD DRIVE
WISCONSIN RAPIDS, WI 54494
ATTN: NICK PEHLER, P.E.
PH: (715) 318-8565
CELL : (715) 459-5665
EMAIL: NICK.PEHLER@JEWELLASSOC.COM

WDNR LIAISON:
STATE OF WISCONSIN
NATURAL RESOURCES, NORTHERN REGION HQ
107 SUTLIFF
RHINELANDER, WI 54501
ATTN: JON SIMONSEN
PH: (715) 367-1936
E-MAIL: JONATHAN.SIMONSEN@WISCONSIN.GOV

COUNTY HIGHWAY DEPARTMENT:
VILAS COUNTY HIGHWAY COMMISSIONER
2104 N RAILROAD ST
EAGLE RIVER, WI 54521
ATTN: TROY SCHALINSKE
PH: (715) 479-4641
CELL : (715) 605-2327
EMAIL: TRSCHA@VILASCOUNTYWI.GOV

UTILITIES

WE ENERGIES - GAS
ATTN: ETHAN DOMBROWSKI
800 INDUSTRIAL PARK DR
IRON MOUNTAIN, WI 49801
PH: (906) 779-2502
EMAIL: ETHAN.DOMBROWSKI@WE-ENERGIES.COM

FRONTIER COMMUNICATIONS
ATTN: CHRISTOPHER POLLACK
118 DIVISION STREET
PLYMOUTH, WI 53073
PH: (715) 847-1240
EMAIL: CHRISTOPHER.POLLACK@FTR.COM

WE ENERGIES - ELECTRIC
ATTN: ETHAN DOMBROWSKI
800 INDUSTRIAL PARK DR
IRON MOUNTAIN, MI 49801
PH: (906) 779-2502
EMAIL: ETHAN.DOMBROWSKI@WE-ENERGIES.COM

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

LIST OF STANDARD ABBREVIATIONS

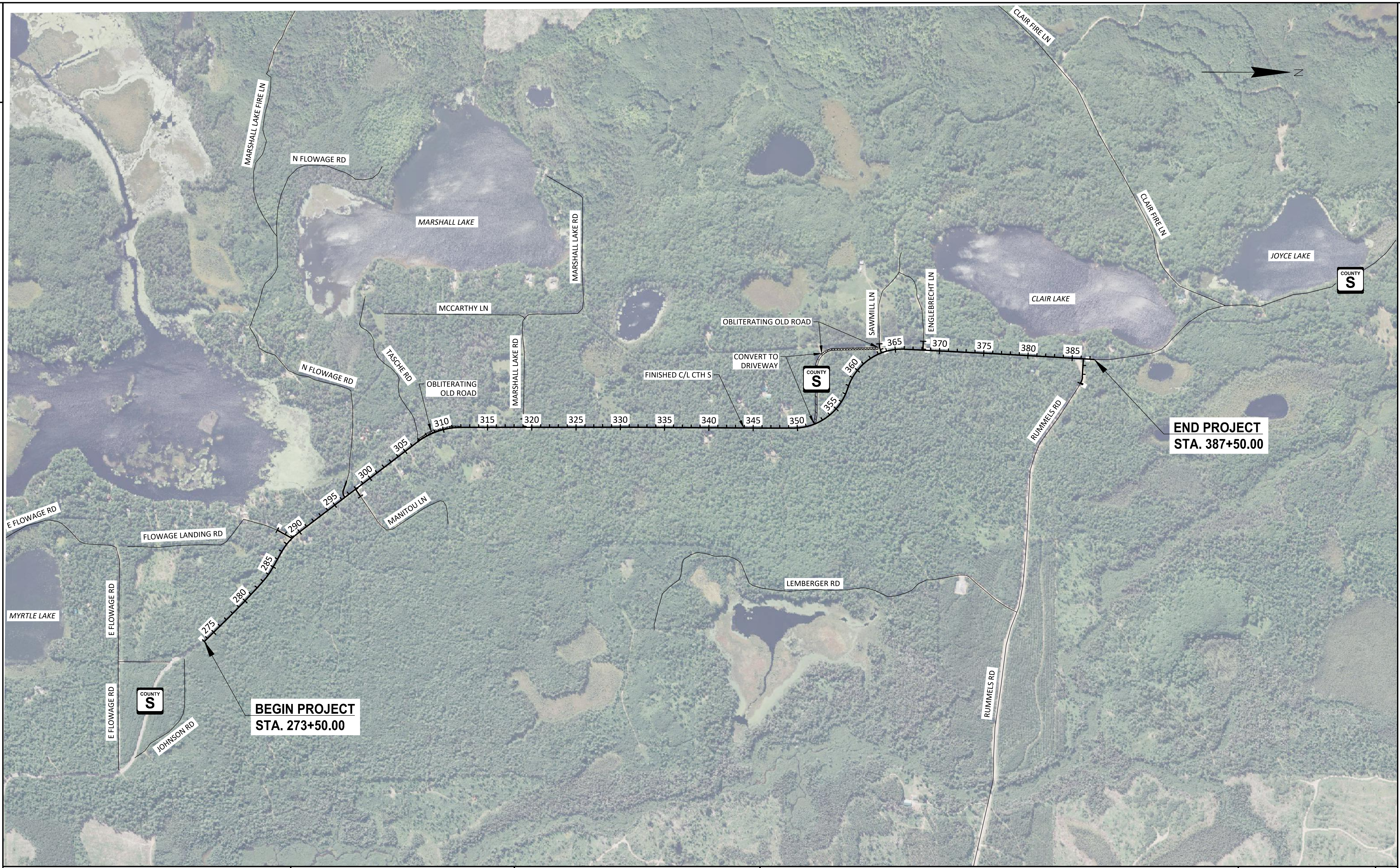
ABUT	Abutment
AC	Acre
AGG	Aggregate
AH	Ahead
<	Angle
ASPH	Asphaltic
AVG	Average
ADT	Average Daily Traffic
BAD	Base Aggregate Dense
BK	Back
BF	Back Face
BM	Bench Mark
BR	Bridge
C or C/L	Center Line
CC	Center to Center
C.E.	Commercial Entrance
CTH	County Trunk Highway
CR	Creek
CR	Crushed
CY or CU YD	Cubic 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:

- TYPICAL SECTIONS
- SUPERELEVATION TABLES
- CONSTRUCTION DETAILS
- PAVING DETAILS
- INTERSECTION DETAILS
- EROSION CONTROL PLAN
- PERMANENT MARKING AND SIGNING PLAN
-TRAFFIC CONTROL PLANS

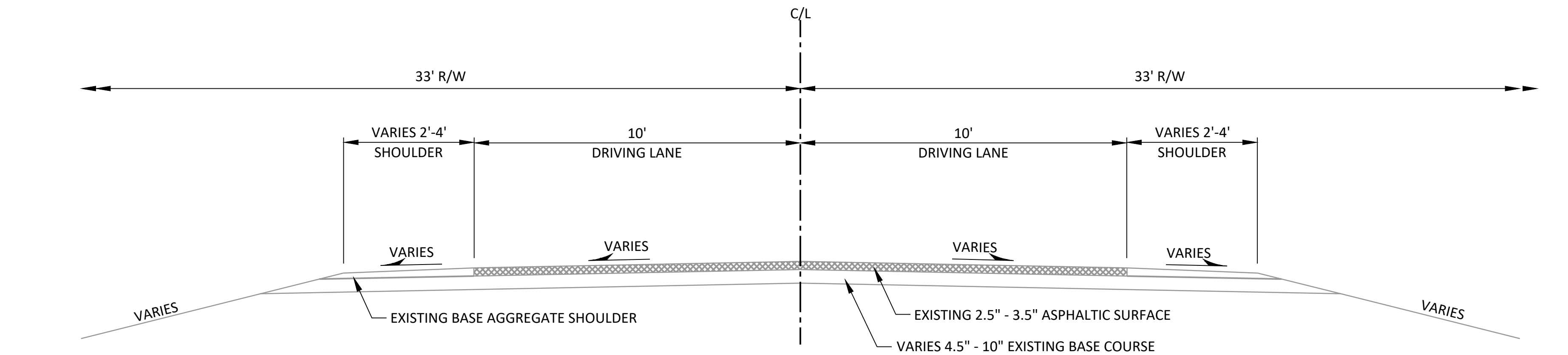
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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= 22.83 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 16.45 ACRES



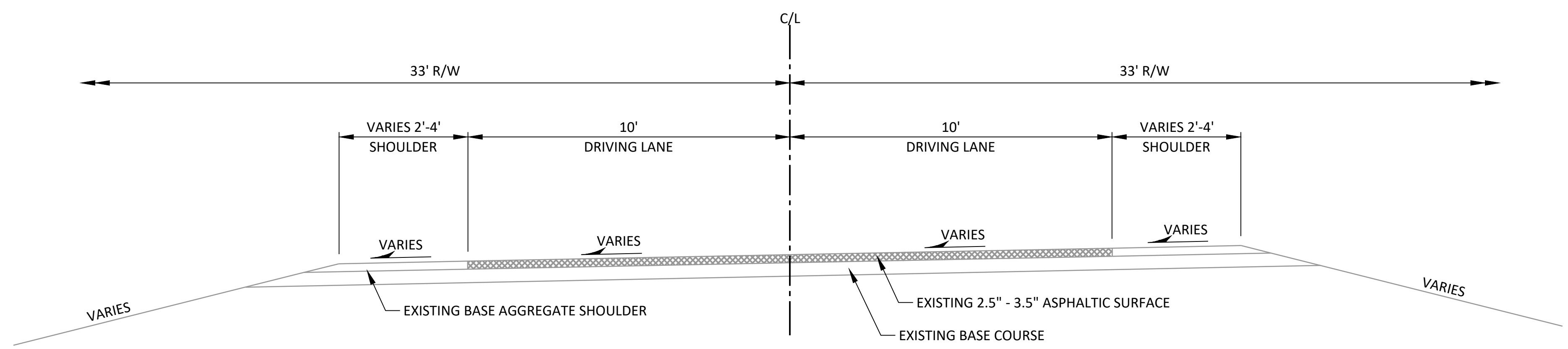
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_PROJECT OVERVIEW.DWG PLOT DATE : 9/17/2024 8:59:29 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN:1000 FT LAYOUT : 2.1 PROJECT OVERVIEW



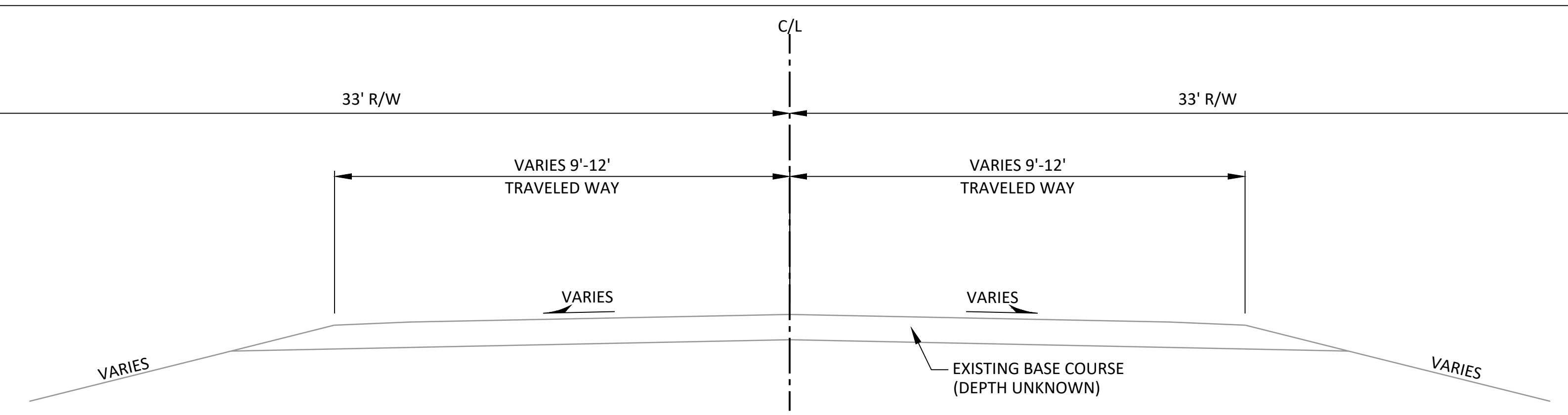
TYPICAL EXISTING SECTION

CTH S
STA. 273+50.00 - STA. 282+98.94
STA. 284+85.76 - STA. 287+00.97
STA. 289+64.95 - STA. 308+32.68
STA. 310+31.29 - STA. 350+67.25
STA. 353+11.78 - STA. 358+79.44
STA. 361+41.81 - STA. 391+17.90



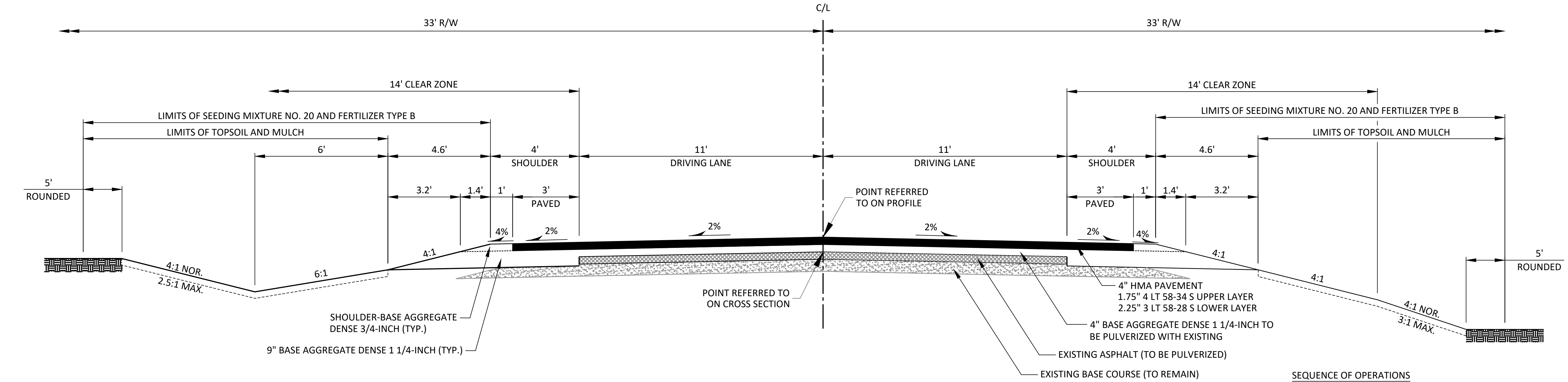
TYPICAL EXISTING SUPERELEVATED SECTION

CTH S
STA. 282+98.94 - STA. 284+85.76
STA. 287+00.97 - STA. 289+64.95
STA. 308+32.68 - STA. 310+31.29
STA. 350+67.25 - STA. 353+11.78
STA. 358+79.44 - STA. 361+41.81



TYPICAL INTERSECTION EXISTING SECTION

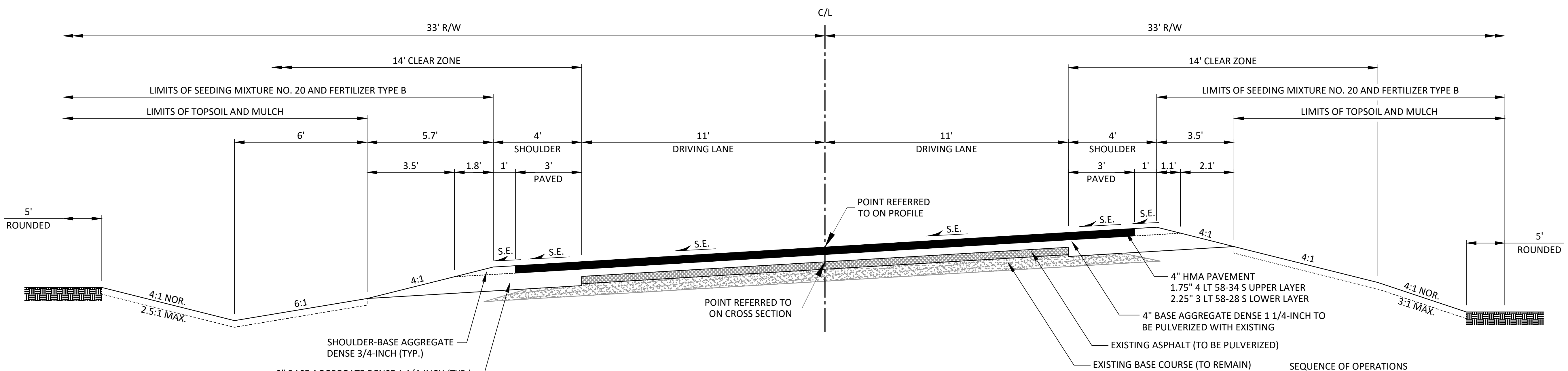
TASCHE RD
STA. 306"D"+71.10 - STA. 307"D"+69.49
SAWMILL LN
STA. 362"F"+85.33 - STA. 363"D"+39.54
RUMMELS RD
STA. 386"H"+26.41 - STA. 389"H"+09.68



SEQUENCE OF OPERATIONS
-WIDEN ROADWAY TO REQUIRED WIDTH, REMOVE UNSUITABLE SHOULDER MATERIAL TO A DEPTH OF 5" BELOW TOP SURFACE OF EXISTING ASPHALT
-PLACE 4" BASE AGGREGATE DENSE 1 1/4-INCH
-PULVERIZE AND RELAY TO DEPTH OF 7.5", OR TO BOTTOM OF EXISTING ASPHALT, WHICHEVER IS GREATER
-ADD REMAINING BASE AGGREGATE DENSE 1 1/4-INCH (IF REQUIRED, REFER TO PROFILE AND CROSS SECTIONS)
-PAVE LOWER LAYER OF 3 LT 58-28 S HMA PAVEMENT
-PAVE UPPER LAYER OF 4 LT 58-34 S HMA PAVEMENT

TYPICAL FINISHED PULVERIZE AND RELAY SECTION

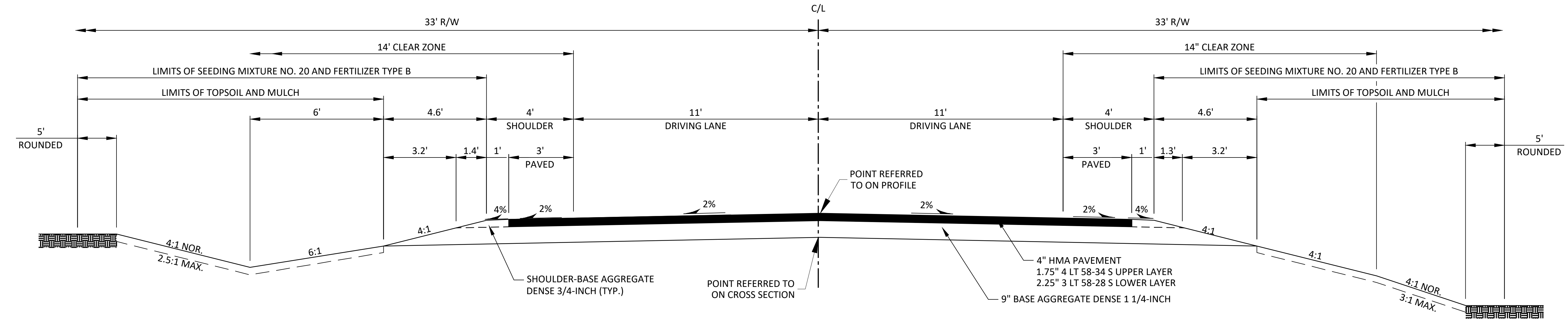
CTH S
STA. 273+50.00 - STA. 281+54.94
STA. 290+96.64 - STA. 305+18.80
STA. 313+49.43 - STA. 320+00.00
STA. 330+50.00 - STA. 348+18.70



TYPICAL FINISHED PULVERIZE AND RELAY SUPERELEVATED SECTION

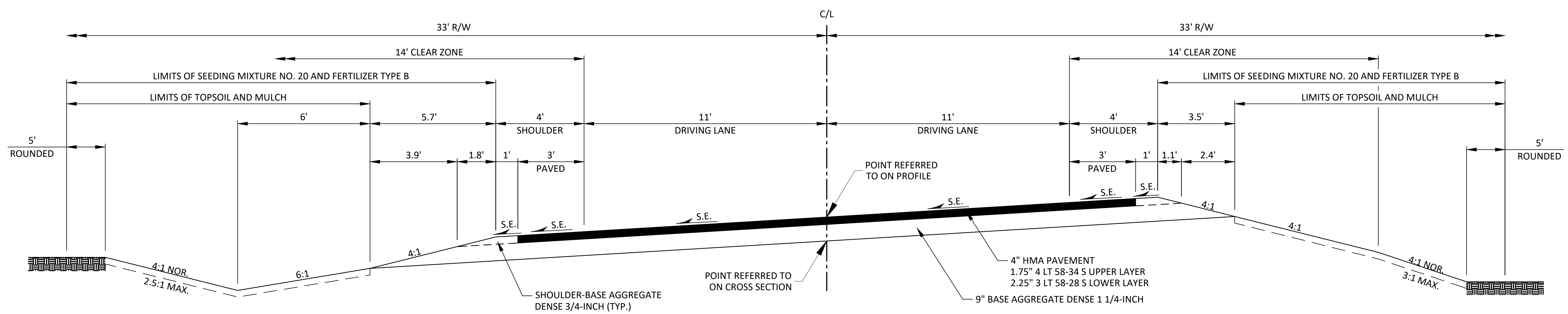
CTH S
STA. 281+54.94 - STA.290+96.64
STA. 305+18.80 - STA. 305+50.00
STA. 311+75.00 - STA. 313+49.43
STA. 348+18.70 - STA. 348+75.00

SEQUENCE OF OPERATIONS
-WIDEN ROADWAY TO REQUIRED WIDTH, REMOVE UNSUITABLE SHOULDER MATERIAL TO A DEPTH OF 5" BELOW TOP SURFACE OF EXISTING ASPHALT
-PLACE 4" BASE AGGREGATE DENSE 1 1/4-INCH
-PULVERIZE AND RELAY TO DEPTH OF 7.5", OR TO BOTTOM OF EXISTING ASPHALT, WHICHEVER IS GREATER
-ADD REMAINING BASE AGGREGATE DENSE 1 1/4-INCH (IF REQUIRED, REFER TO PROFILE AND CROSS SECTIONS)
-PAVE LOWER LAYER OF 3 LT 58-28 S HMA PAVEMENT
-PAVE UPPER LAYER OF 4 LT 58-34 S HMA PAVEMENT



TYPICAL FINISHED RECONSTRUCTION SECTION

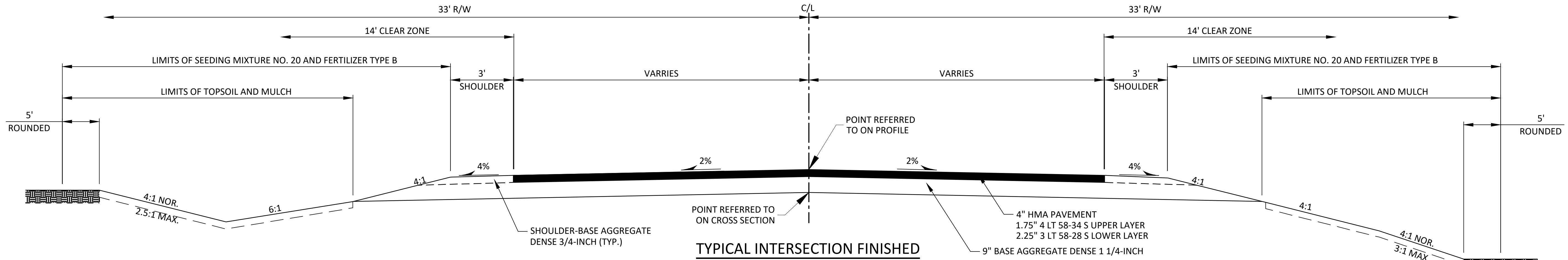
CTH S
STA. 320+00.00 - STA. 330+50.00
STA. 367+33.68 - STA. 387+50.00



TYPICAL FINISHED RECONSTRUCTION SUPERELEVATED SECTION

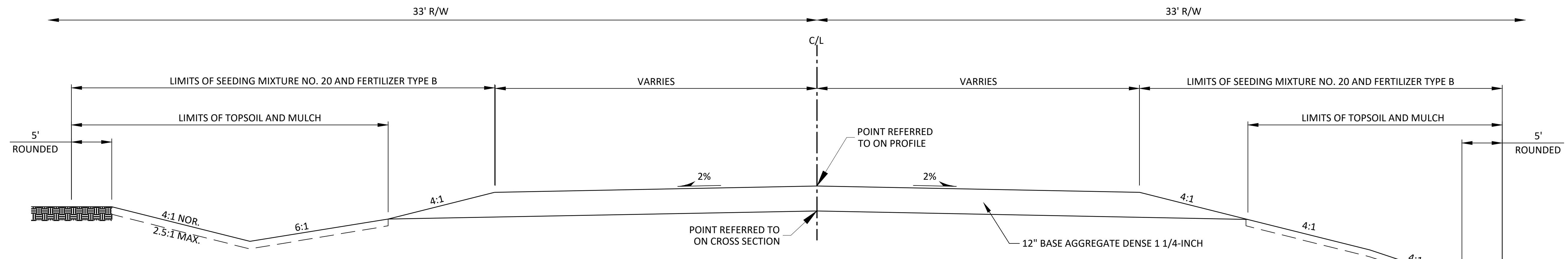
CTH S
STA. 305+50.00 - STA. 311+75.00
STA. 348+75.00 - STA. 367+33.68

2



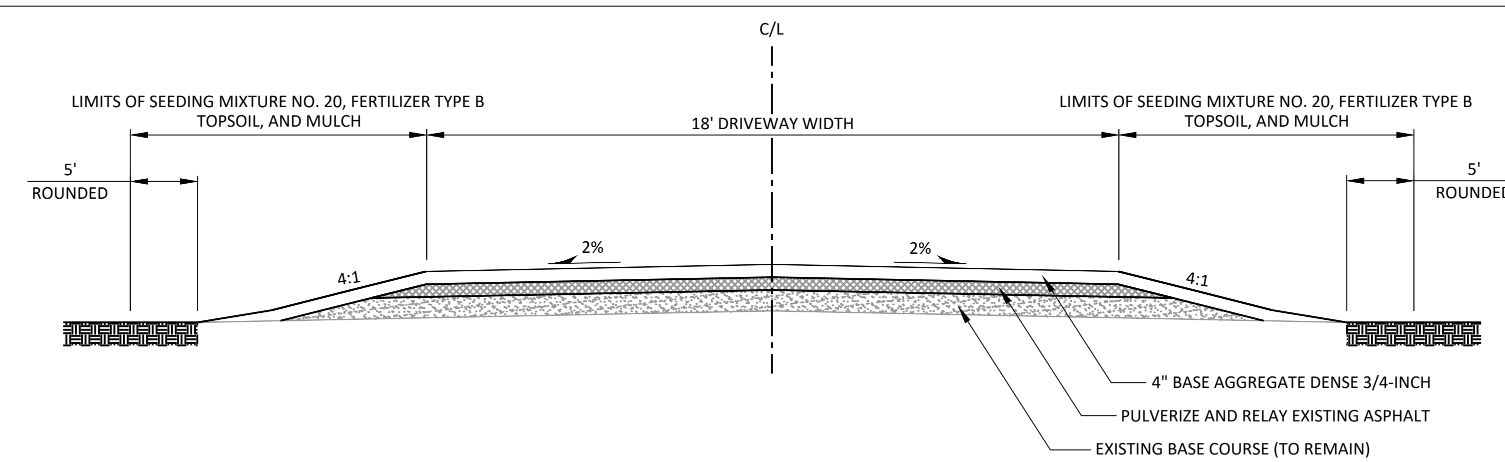
TYPICAL INTERSECTION FINISHED RECONSTRUCTION SECTION

TASCHE RD
STA. 306"D"+89.13 - STA. 307"D"+54.60
SAWMILL LN
STA. 362"F"+80.00 - STA. 363"D"+25.17
RUMMELS RD
STA. 386"H"+42.41 - STA. 387"H"+02.52



TYPICAL INTERSECTION FINISHED UNPAVED SECTION

TASCHE RD
STA. 306"D"+75.00 - STA. 306"D"+89.13
SAWMILL LN
STA. 362"F"+34.71 - STA. 362"F"+80.00
RUMMELS RD
STA. 387"H"+02.52 - STA. 388"H"+60.02



TYPICAL FINISHED SECTION DRIVEWAY AT STATION 352+40, LT

FOLLOW OLD CTH S CENTERLINE

SEQUENCE OF OPERATIONS
-PULVERIZE AND RELAY TO THE GREATER DEPTH OF 4" OR THE BOTTOM OF ASPHALT.
-GRADE AND SHAPE MATERIAL TO REDUCED WIDTH. PULL EXCESS PULVERIZED AND SHOULDER MATERIAL TOWARD CENTERLINE TO INCREASE BASE STRUCTURE. COMPACT BASE.
-TOP DRIVEWAY WITH 4" BASE AGGREGATE DENSE 3/4-INCH. SHAPE AND COMPACT.

2

CURVES 2 & 3

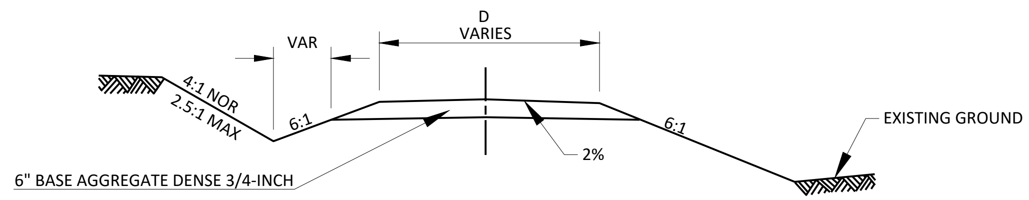
STATION	LEFT	RIGHT	COMMENT
281+54.94	2.00% <--	2.00% -->	END NORMAL CROWN - BEGIN SUPER
282+00.00	2.00% <--	0.12% -->	
282+02.94	2.00% <--	0.00% --	
282+50.00	2.00% <--	1.96% <--	
282+50.94	2.00% <--	2.00% <--	R.C.
282+98.94	4.00% <--	4.00% <--	P.C. STATION - CURVE 2
283+00.00	4.04% <--	4.04% <--	
283+46.94	6.00% <--	6.00% <--	BEGIN FULL SUPER
283+50.00	6.00% <--	6.00% <--	
284+00.00	6.00% <--	6.00% <--	
284+49.37	6.00% <--	6.00% <--	END FULL SUPER
284+50.00	5.97% <--	5.97% <--	
284+85.76	4.48% <--	4.48% <--	P.T. STATION - CURVE 2
284+97.37	4.00% <--	4.00% <--	
285+00.00	3.89% <--	3.89% <--	
285+45.37	2.00% <--	2.00% <--	R.C.
285+50.00	1.81% <--	1.81% <--	
285+93.37	0.00% --	0.00% --	
286+00.00	0.30% -->	0.30% -->	
286+37.70	2.00% -->	2.00% -->	R.C.
286+50.00	2.55% -->	2.55% -->	
286+82.04	4.00% -->	4.00% -->	
287+00.00	4.81% -->	4.81% -->	
287+00.97	4.85% -->	4.85% -->	P.C. STATION - CURVE 3
287+26.37	6.00% -->	6.00% -->	BEGIN FULL SUPER
287+50.00	6.00% -->	6.00% -->	
288+00.00	6.00% -->	6.00% -->	
288+50.00	6.00% -->	6.00% -->	
289+00.00	6.00% -->	6.00% -->	
289+19.64	6.00% -->	6.00% -->	END FULL SUPER
289+50.00	4.63% -->	4.63% -->	
289+63.97	4.00% -->	4.00% -->	P.T. STATION - CURVE 3
290+00.00	2.37% -->	2.37% -->	
290+08.30	2.00% -->	2.00% -->	R.C.
290+50.00	0.12% -->	2.00% -->	
290+52.64	0.00% --	2.00% -->	
290+96.64	2.00% <--	2.00% -->	BEGIN NORMAL CROWN - END SUPER

CURVE 4

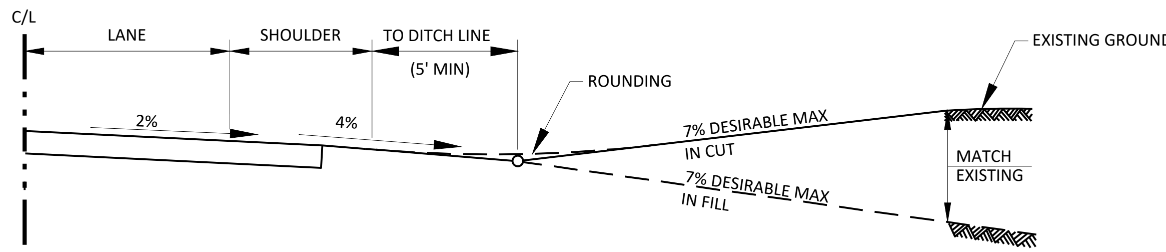
STATION	LEFT	RIGHT	COMMENT
305+18.80	2.00% <--	2.00% -->	END NORMAL CROWN - BEGIN SUPER
305+50.00	0.70% <--	2.00% -->	
305+66.80	0.00% --	2.00% -->	
306+00.00	1.38% -->	2.00% -->	
306+14.80	2.00% -->	2.00% -->	R.C.
306+50.00	3.47% -->	3.47% -->	
306+62.80	4.00% -->	4.00% -->	P.C. STATION
307+00.00	5.50% -->	5.50% -->	
307+10.80	6.00% -->	6.00% -->	BEGIN FULL SUPER
307+50.00	6.00% -->	6.00% -->	
308+00.00	6.00% -->	6.00% -->	
308+50.00	6.00% -->	6.00% -->	
309+00.00	6.00% -->	6.00% -->	
309+50.00	6.00% -->	6.00% -->	
310+00.00	6.00% -->	6.00% -->	
310+50.00	6.00% -->	6.00% -->	
311+00.00	6.00% -->	6.00% -->	
311+50.00	6.00% -->	6.00% -->	
311+57.43	6.00% -->	6.00% -->	END FULL SUPER
312+05.43	4.00% -->	4.00% -->	P.T. STATION
312+00.00	4.23% -->	4.23% -->	
312+53.43	2.00% -->	2.00% -->	R.C.
312+50.00	2.14% -->	2.14% -->	
313+01.43	0.00% --	2.00% -->	
313+00.00	0.06% -->	2.00% -->	
313+49.43	2.00% <--	2.00% -->	BEGIN NORMAL CROWN - END SUPER

CURVES 5 & 6

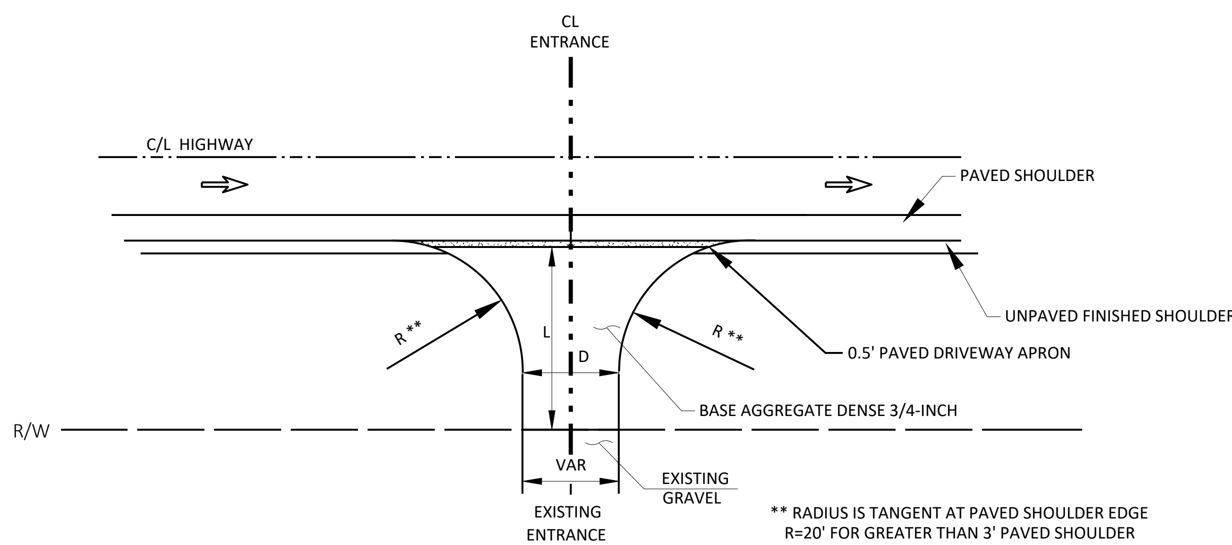
STATION	LEFT	RIGHT	COMMENT
348+18.70	2.00% <--	2.00% -->	END NORMAL CROWN - BEGIN SUPER
348+50.00	2.00% <--	0.58% -->	
348+62.70	2.00% <--	0.00% --	
349+00.00	2.00% <--	0.67% <--	
349+07.04	2.00% <--	2.00% <--	R.C.
349+50.00	3.94% <--	3.94% <--	
349+51.37	4.00% <--	4.00% <--	P.C. STATION - CURVE 5
349+95.70	6.00% <--	6.00% <--	BEGIN FULL SUPER
350+00.00	6.00% <--	6.00% <--	
350+50.00	6.00% <--	6.00% <--	
351+00.00	6.00% <--	6.00% <--	
351+50.00	6.00% <--	6.00% <--	
352+00.00	6.00% <--	6.00% <--	
352+50.00	6.00% <--	6.00% <--	
353+00.00	6.00% <--	6.00% <--	
353+50.00	6.00% <--	6.00% <--	
354+00.00	6.00% <--	6.00% <--	
354+50.00	6.00% <--	6.00% <--	
355+00.00	6.00% <--	6.00% <--	
355+50.00	6.00% <--	6.00% <--	
356+00.00	6.00% <--	6.00% <--	
356+29.78	6.00% <--	6.00% <--	END FULL SUPER
357+00.00	6.00% <--	6.00% <--	
357+18.45	6.00% <--	6.00% <--	
357+50.00	4.58% <--	4.58% <--	
356+87.44	4.00% <--	4.00% <--	
358+00.00	3.48% <--	3.48% <--	
358+07.11	2.00% <--	2.00% <--	R.C.
357+50.00	1.39% <--	1.39% <--	
357+83.44	0.00% --	0.00% --	P.R.C. STATION - CURVES 5 & 6
358+00.00	0.69% -->	0.69% -->	
358+31.44	2.00% -->	2.00% -->	R.C.
358+50.00	2.77% -->	2.77% -->	
358+79.44	4.00% -->	4.00% -->	
359+00.00	4.86% -->	4.86% -->	
359+27.44	6.00% -->	6.00% -->	
359+50.00	6.00% -->	6.00% -->	
358+95.78	6.00% -->	6.00% -->	BEGIN FULL SUPER
359+00.00	6.00% -->	6.00% -->	
359+50.00	6.00% -->	6.00% -->	
360+00.00	6.00% -->	6.00% -->	
360+50.00	6.00% -->	6.00% -->	
361+00.00	6.00% -->	6.00% -->	
361+50.00	6.00% -->	6.00% -->	
362+00.00	6.00% -->	6.00% -->	
362+50.00	6.00% -->	6.00% -->	
363+00.00	6.00% -->	6.00% -->	
363+50.00	6.00% -->	6.00% -->	
364+00.00	6.00% -->	6.00% -->	
364+50.00	6.00% -->	6.00% -->	
365+00.00	6.00% -->	6.00% -->	
365+50.00	6.00% -->	6.00% -->	
365+56.68	4.90% -->	4.90% -->	END FULL SUPER
366+00.00	4.05% -->	4.05% -->	P.T. STATION - CURVE 6
366+01.01	4.00% -->	4.00% -->	
366+45.34	2.00% -->	2.00% -->	R.C.
366+50.00	1.79% -->	2.00% -->	
366+89.68	0.00% --	2.00% -->	
367+00.00	0.05% <--	2.00% -->	
367+33.68	2.00% <--	2.00% -->	BEGIN NORMAL CROWN - END SUPER



TYPICAL CROSS SECTION



TYPICAL PROFILE VIEW



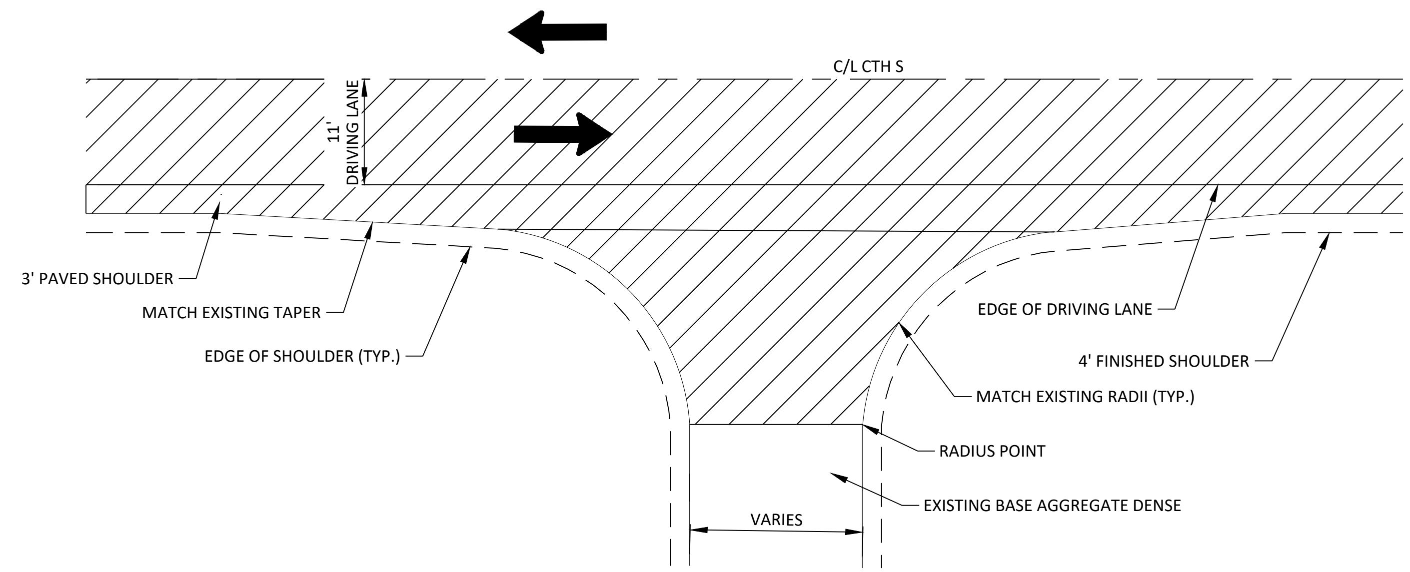
** RADIUS IS TANGENT AT PAVED SHOULDER EDGE
R=20' FOR GREATER THAN 3' PAVED SHOULDER

L=VARIABLE, EXACT LENGTH TO BE DETERMINED IN THE FIELD BY THE ENGINEER

D=DRIVEWAY WIDTH
D=18'TYP(PE & FE) (16'MIN-24'MAX)
D=28'TYP(CE & FARM ENT) (24'MIN-35'MAX)

PLAN VIEW

RURAL DRIVEWAY INTERSECTION (PE, FE & CE)

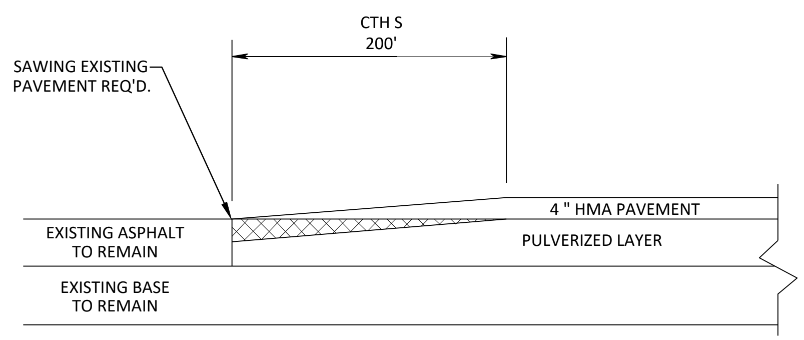


NOTE: RAISE INTERSECTION PROFILES TO MATCH MAINLINE USING BASE AGGREGATE DENSE 1 1/4-INCH

LIMITS OF 4" HMA PAVEMENT
1.75" 4 LT 58-34 S UPPER LAYER
2.25" 3 LT 58-28 S LOWER LAYER

RURAL SIDEROAD INTERSECTION PAVING DETAIL

FLOWAGE LANDING RD
NORTH FLOWAGE RD
MANITOU LN
MARSHALL LAKE RD
ENGELBRECHT LN

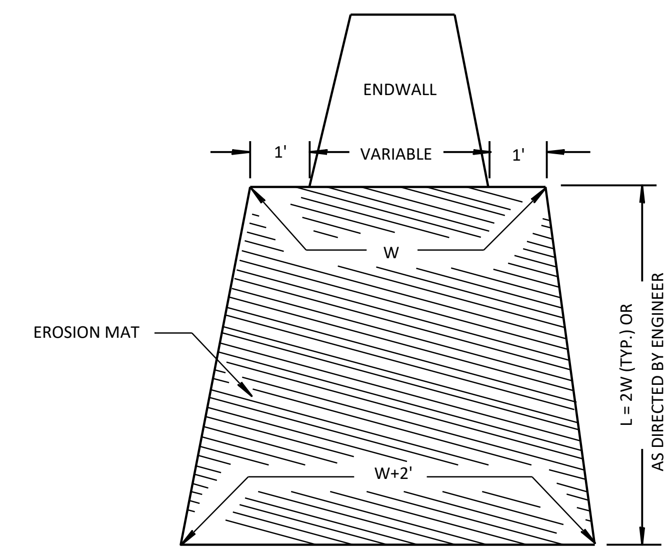


PROFILE TRANSITION. REMOVE PULVERIZED MATERIAL.

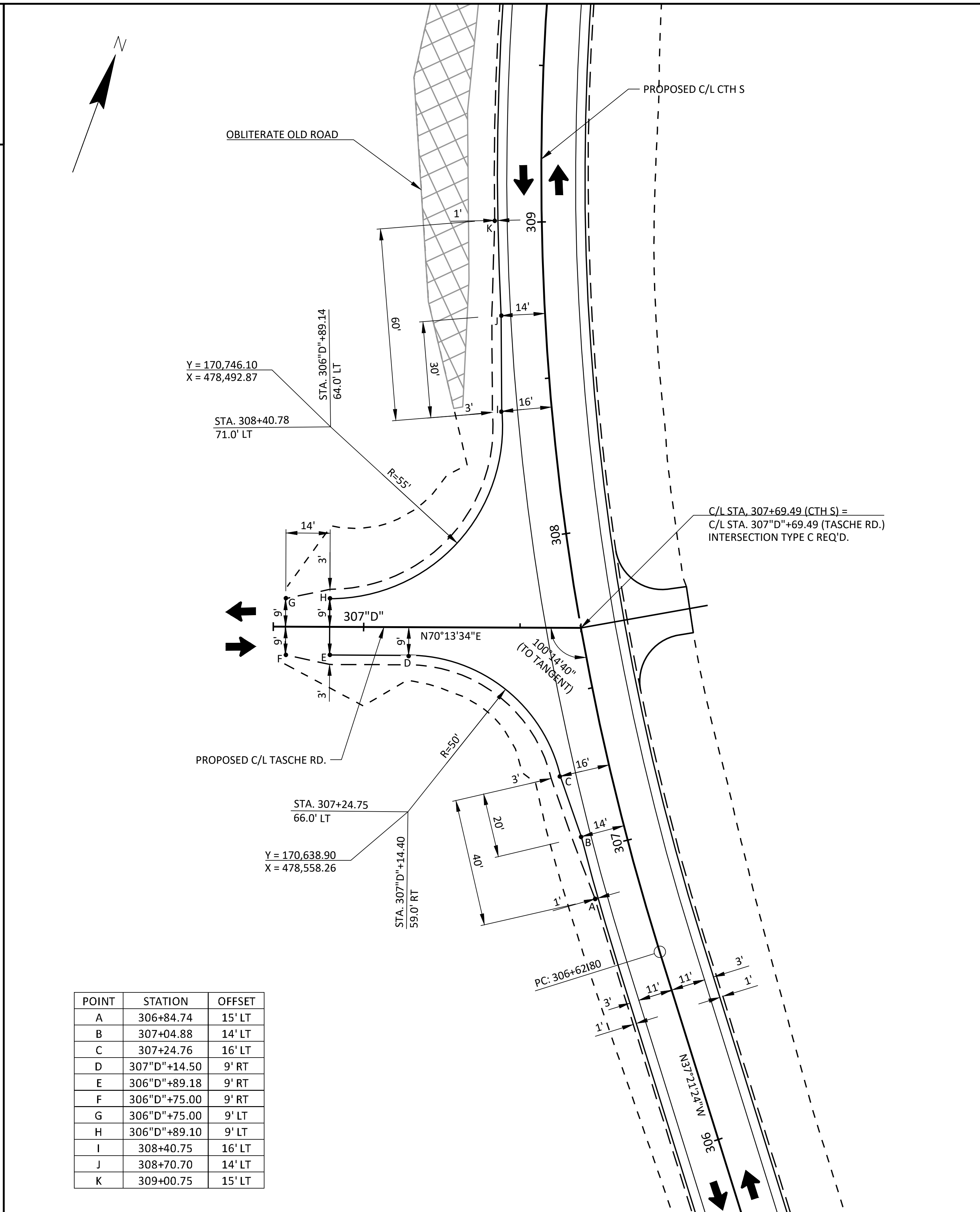
NOTE: PULVERIZE EXISTING ASPHALT AT FULL DEPTH TO TERMINI. REMOVE PULVERIZED MATERIAL TO CREATE TRANSITION. PULVERIZED MATERIAL REMOVAL TO BE PAID AS REMOVING ASPHALTIC SURFACE. PAVE HMA AT CONSISTENT DEPTH THROUGHOUT TRANSITION AREA.

REMOVING ASPHALTIC SURFACE

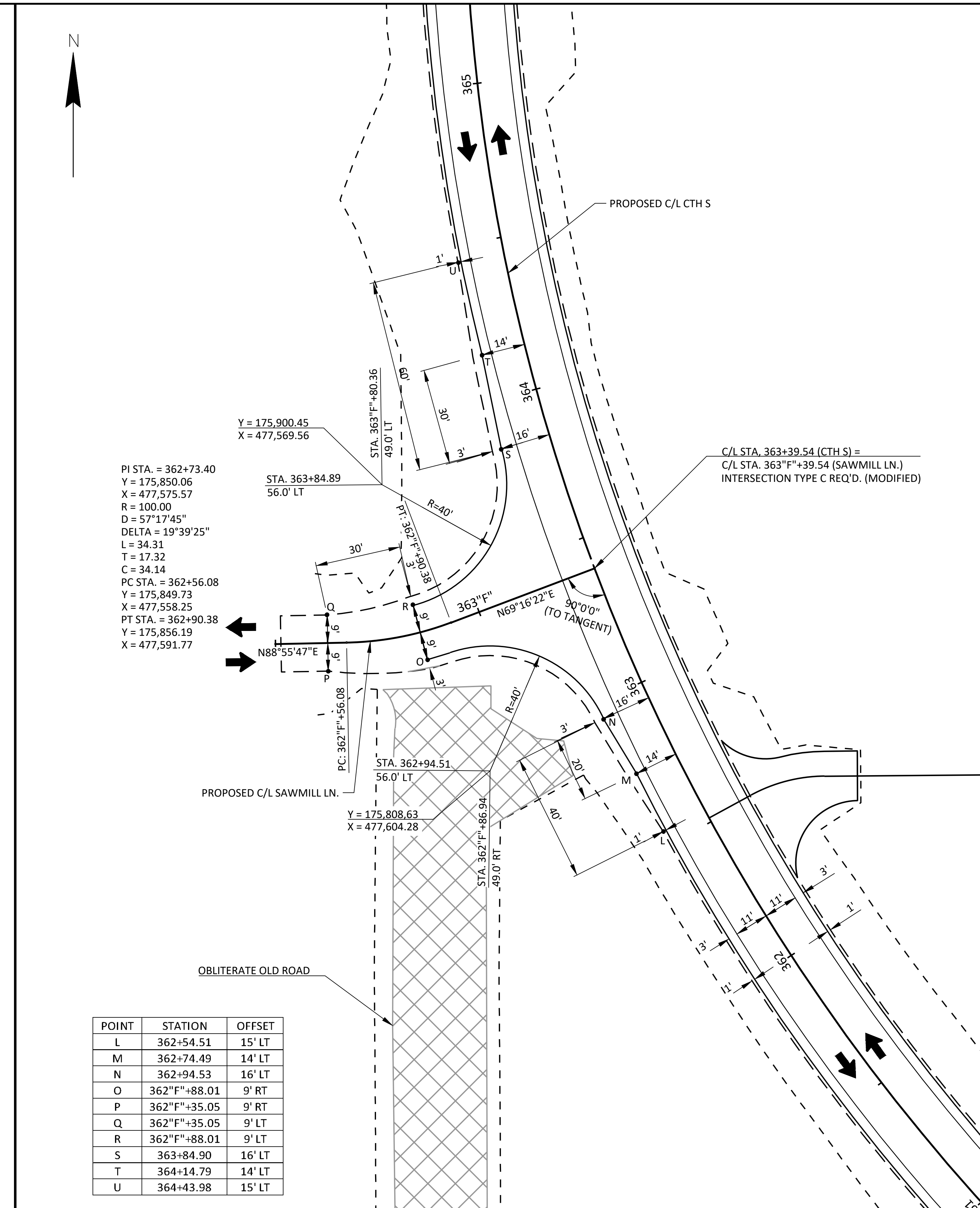
STA 273+50 - STA 274+25



EROSION MAT TREATMENT AT CULVERTS

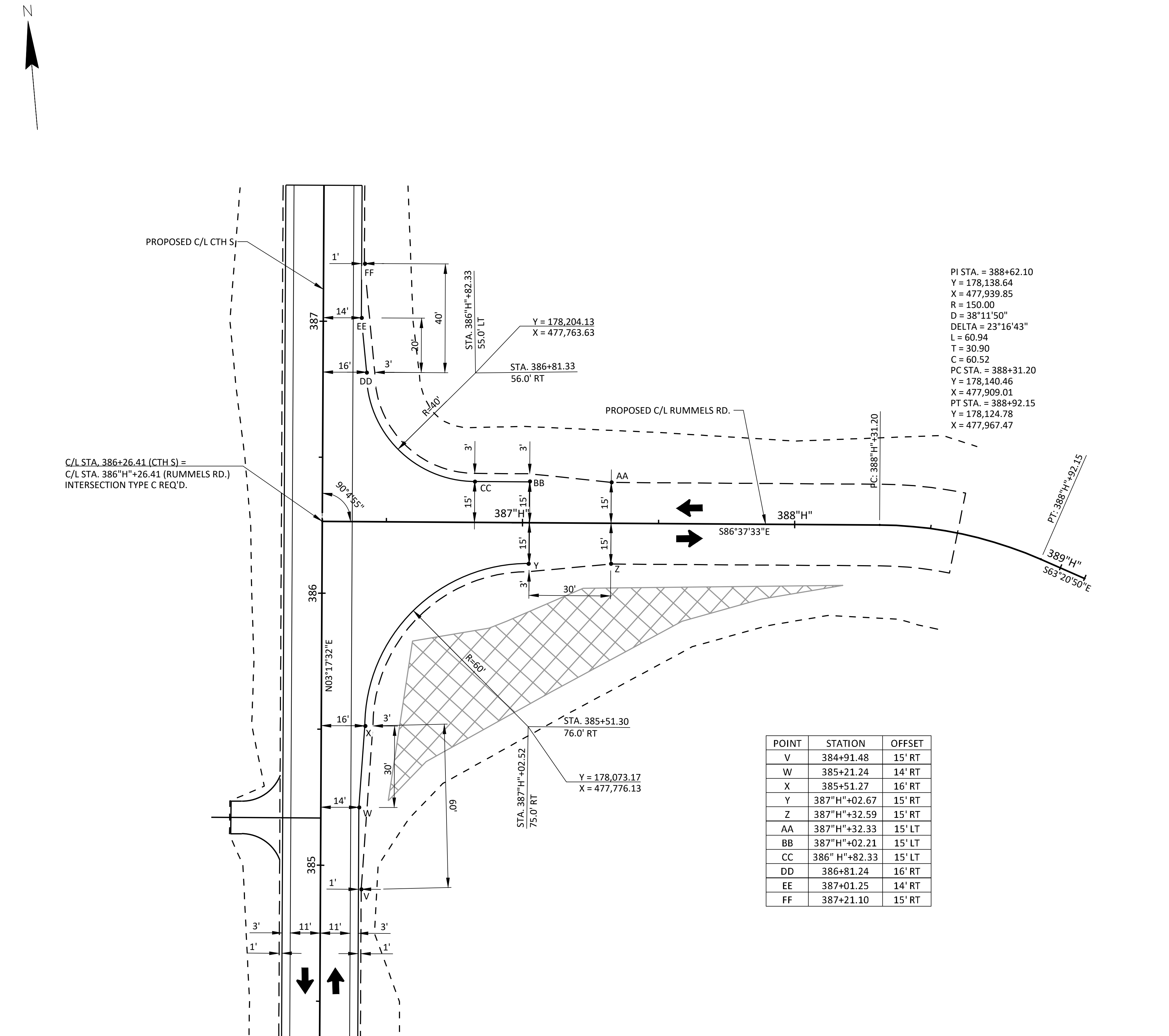


POINT	STATION	OFFSET
A	306+84.74	15' LT
B	307+04.88	14' LT
C	307+24.76	16' LT
D	307"D"+14.50	9' RT
E	306"D"+89.18	9' RT
F	306"D"+75.00	9' RT
G	306"D"+75.00	9' LT
H	306"D"+89.10	9' LT
I	308+40.75	16' LT
J	308+70.70	14' LT
K	309+00.75	15' LT

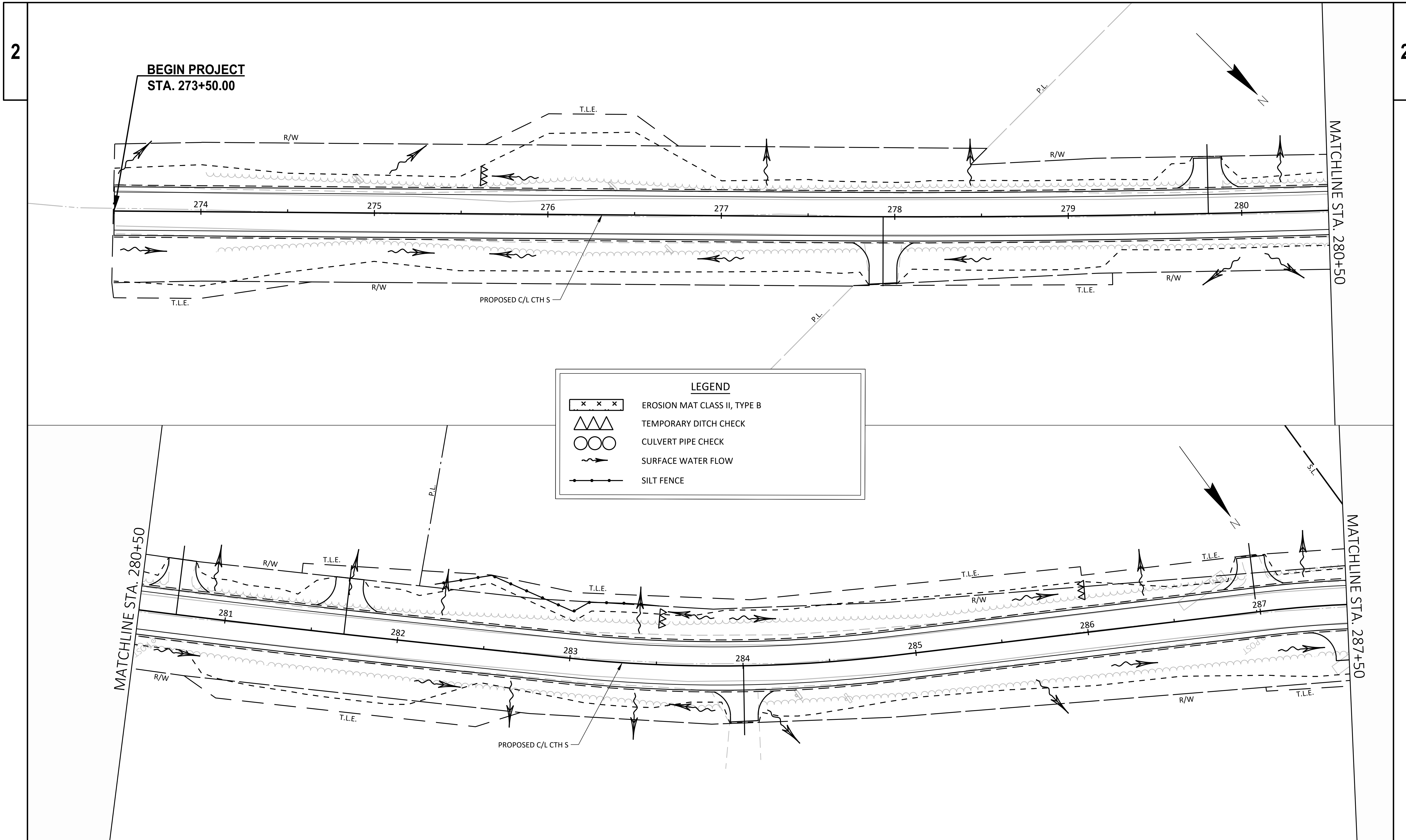


POINT	STATION	OFFSET
L	362+54.51	15' LT
M	362+74.49	14' LT
N	362+94.53	16' LT
O	362"F"+88.01	9' RT
P	362"F"+35.05	9' RT
Q	362"F"+35.05	9' LT
R	362"F"+88.01	9' LT
S	363+84.90	16' LT
T	364+14.79	14' LT
U	364+43.98	15' LT

2



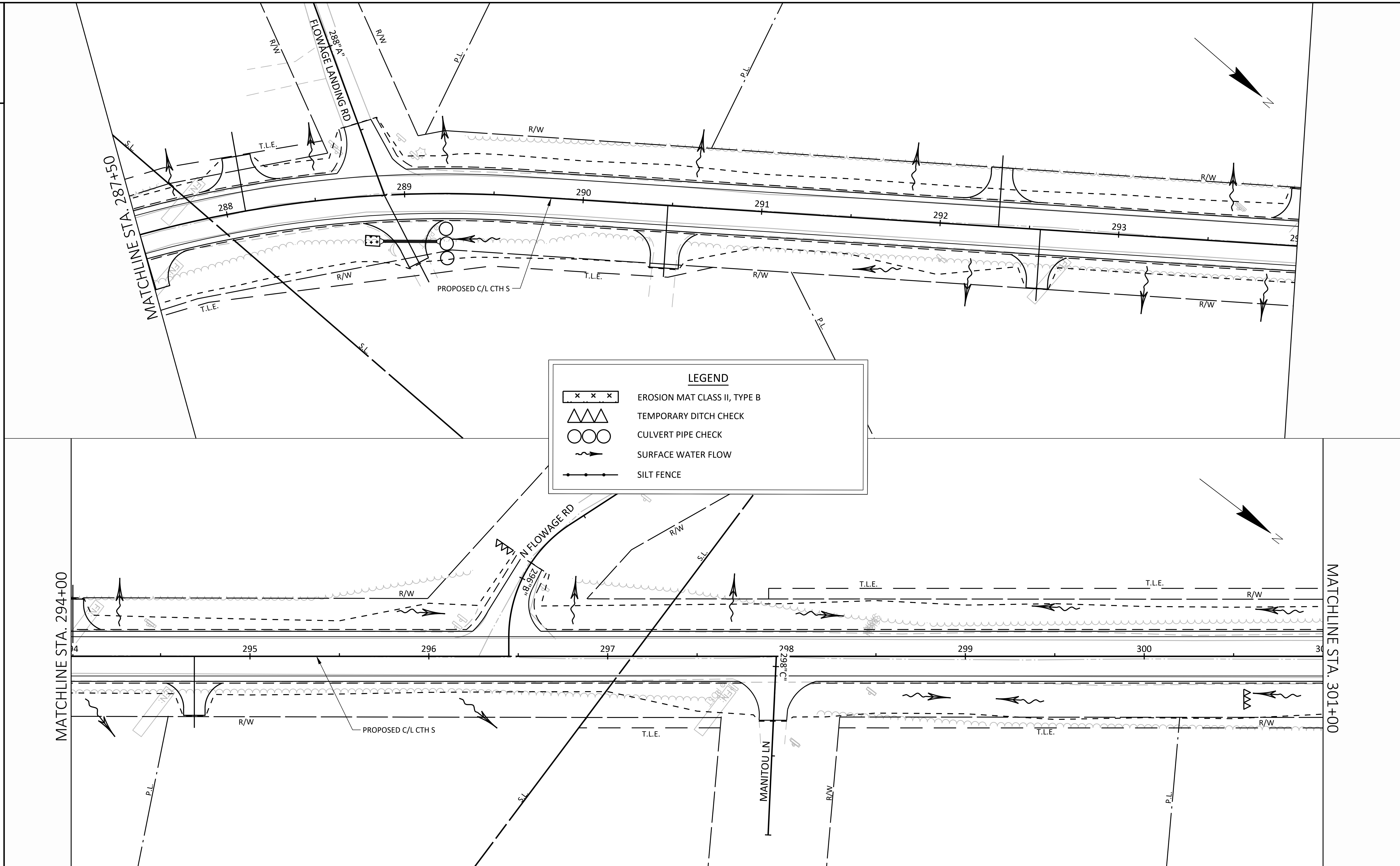
POINT	STATION	OFFSET
V	384+91.48	15' RT
W	385+21.24	14' RT
X	385+51.27	16' RT
Y	387"H"+02.67	15' RT
Z	387"H"+32.59	15' RT
AA	387"H"+32.33	15' LT
BB	387"H"+02.21	15' LT
CC	386" H"+82.33	15' LT
DD	386+81.24	16' RT
EE	387+01.25	14' RT
FF	387+21.10	15' RT



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	EROSION CONTROL	SHEET 13	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_EROSION CONTROL.DWG PLOT DATE : 7/31/2024 1:28:30 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:50 FT LAYOUT : 2.11 EROSION CONTROL

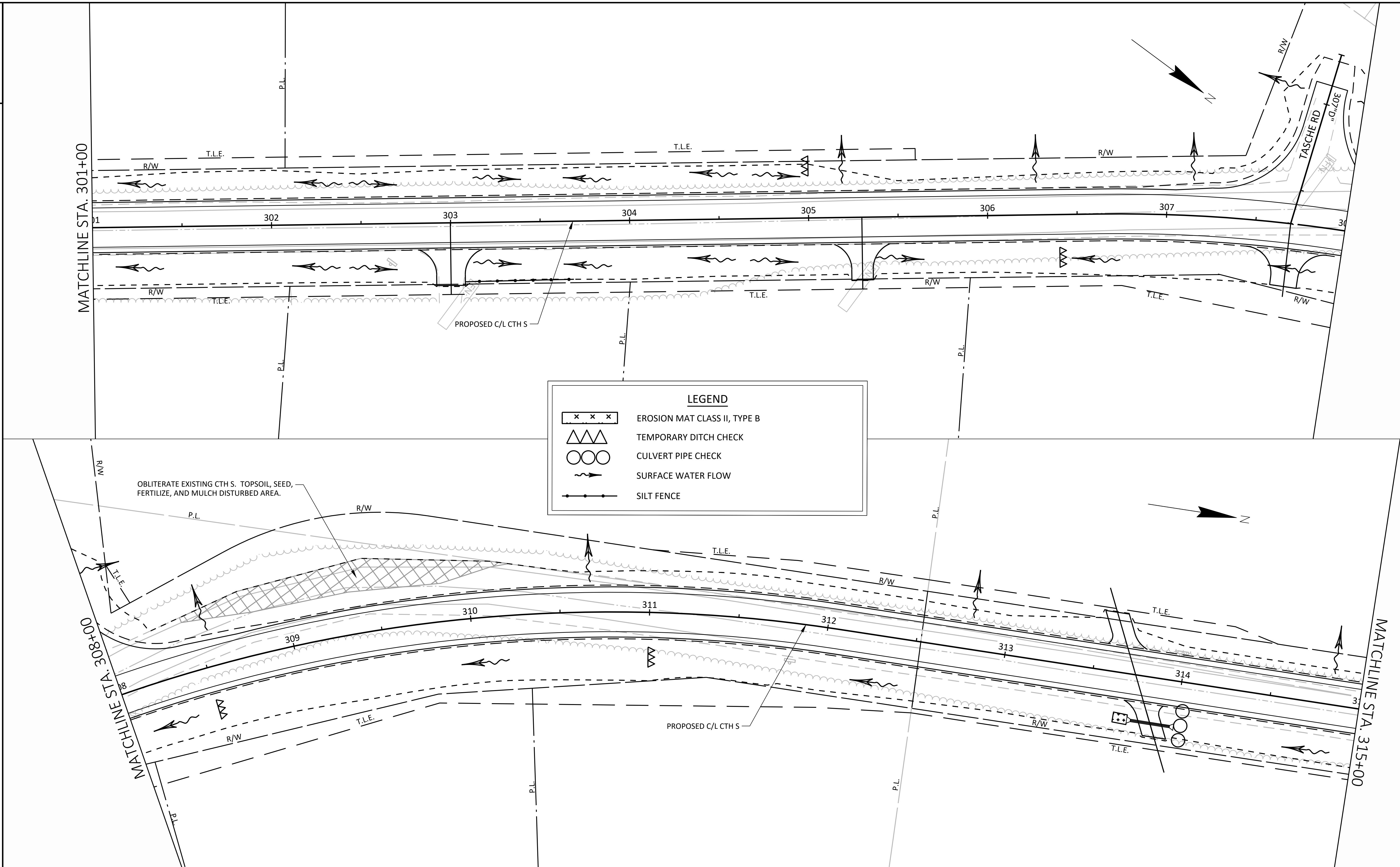
2



2

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	EROSION CONTROL	SHEET 14	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_EROSION CONTROL.DWG PLOT DATE : 7/31/2024 1:28:37 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:50 FT LAYOUT : 2.12 EROSION CONTROL



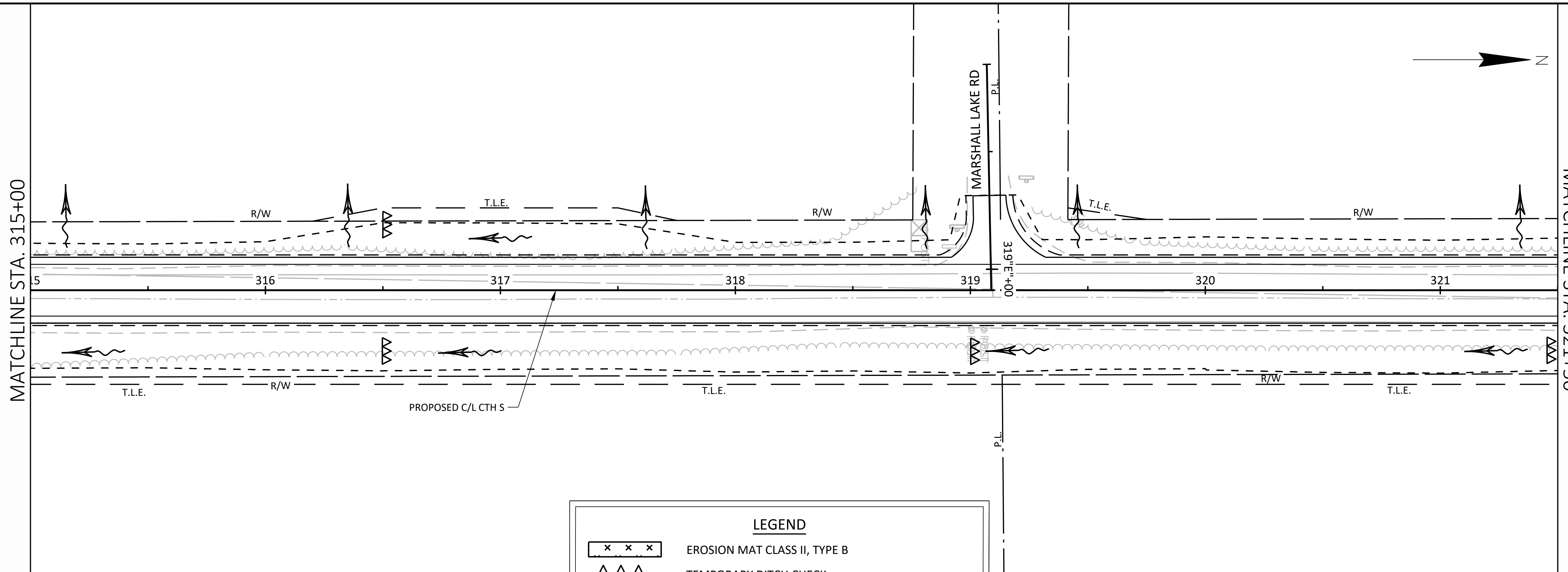
LEGEND

- EROSION MAT CLASS II, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	EROSION CONTROL	SHEET 15	E

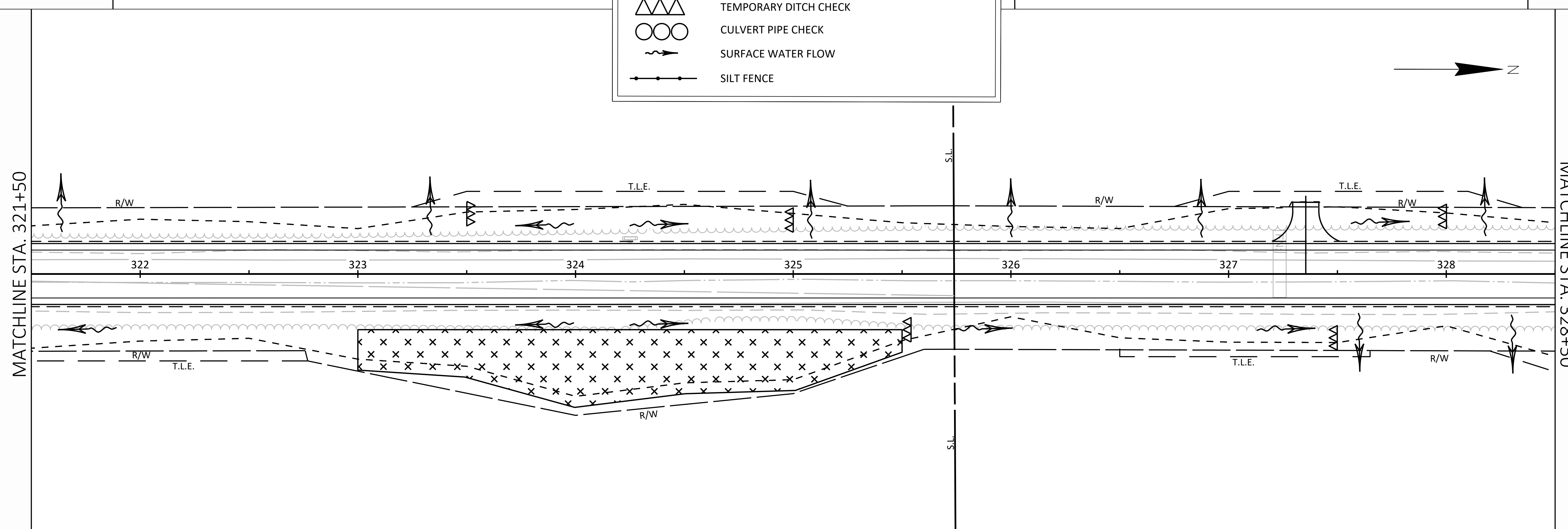
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_EROSION CONTROL.DWG PLOT DATE : 7/31/2024 1:28:41 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:50 FT LAYOUT : 2.13 EROSION CONTROL

2

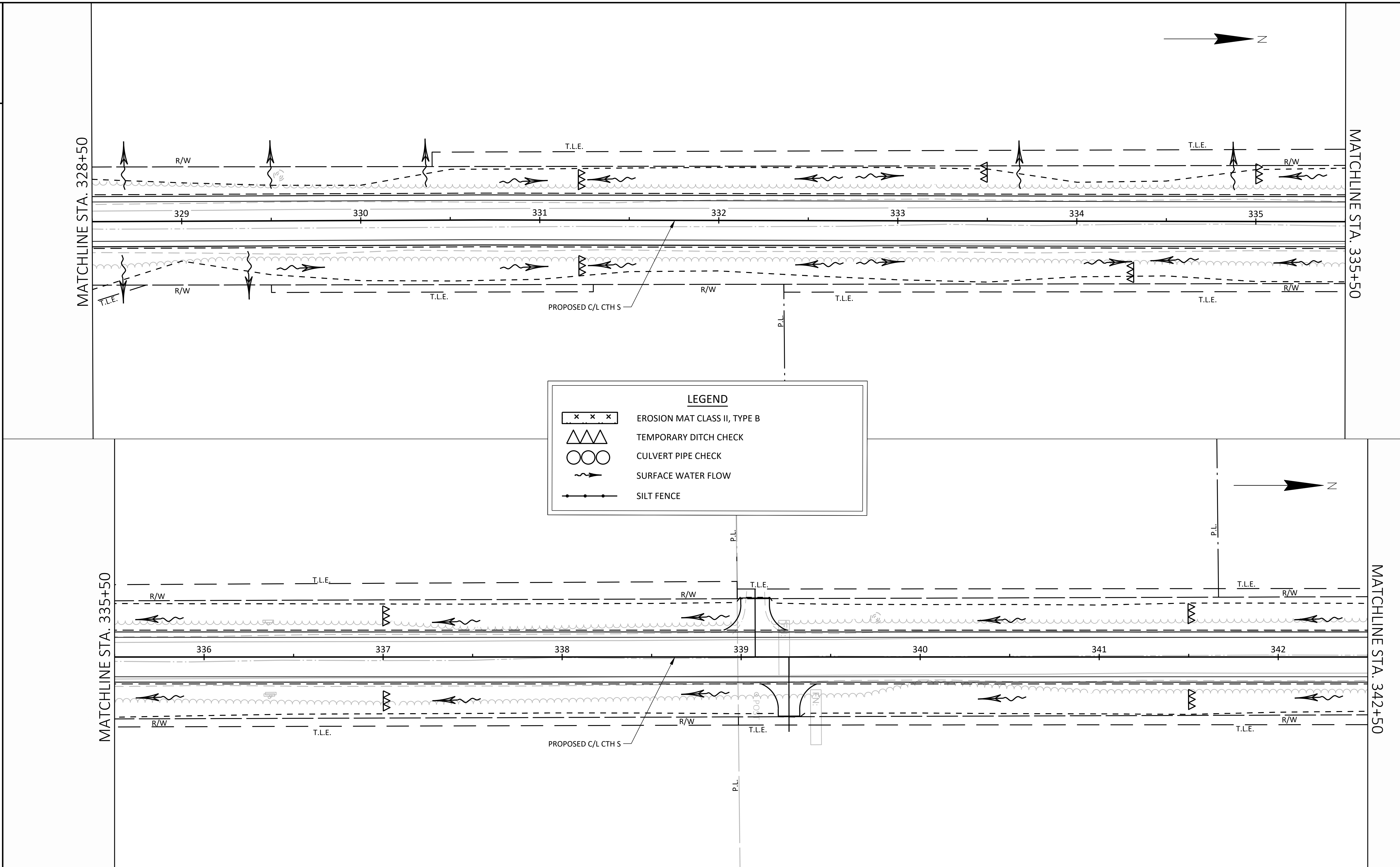


LEGEND

- EROSION MAT CLASS II, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE

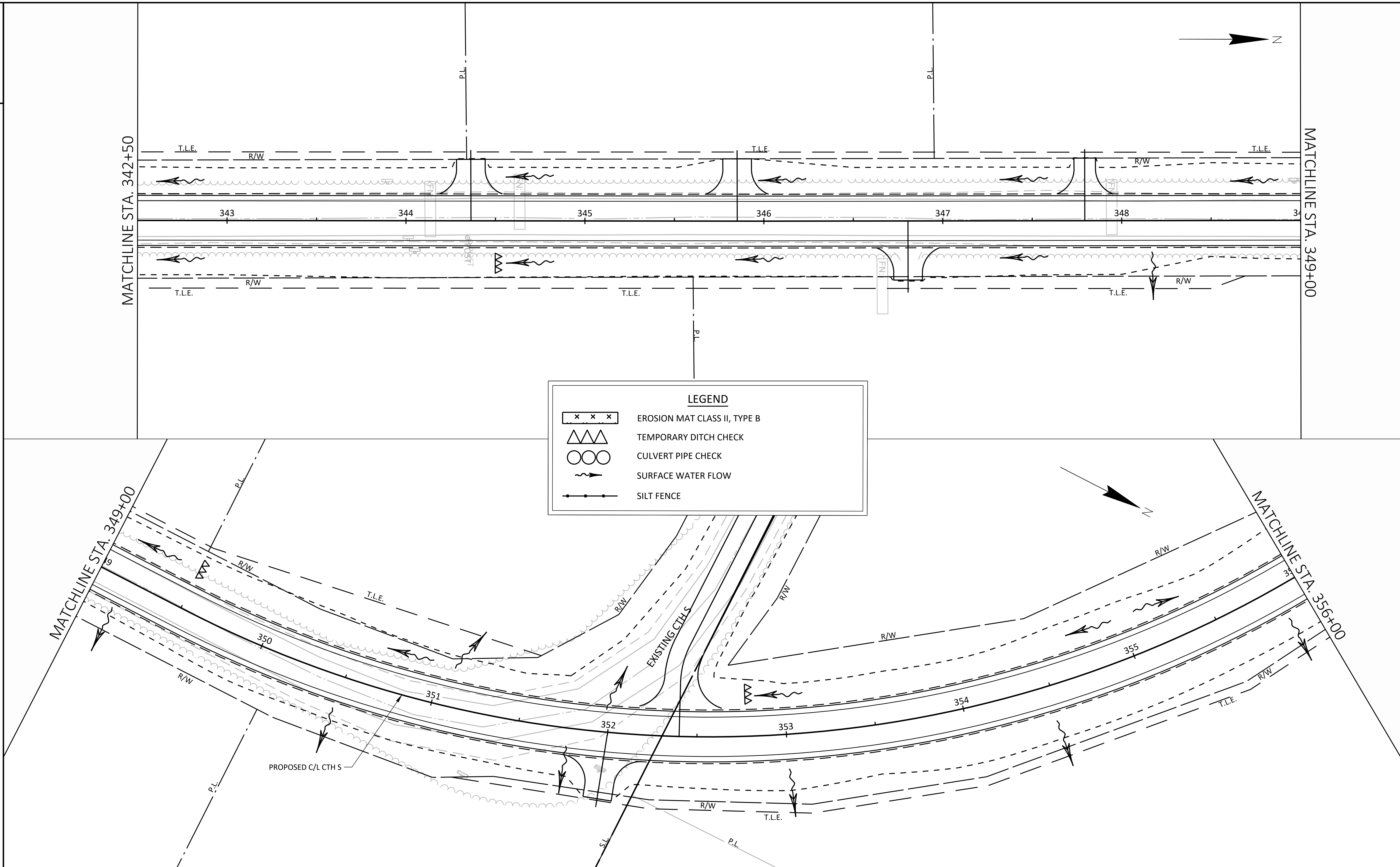


PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	EROSION CONTROL	SHEET 16	E



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	EROSION CONTROL	SHEET 17	E

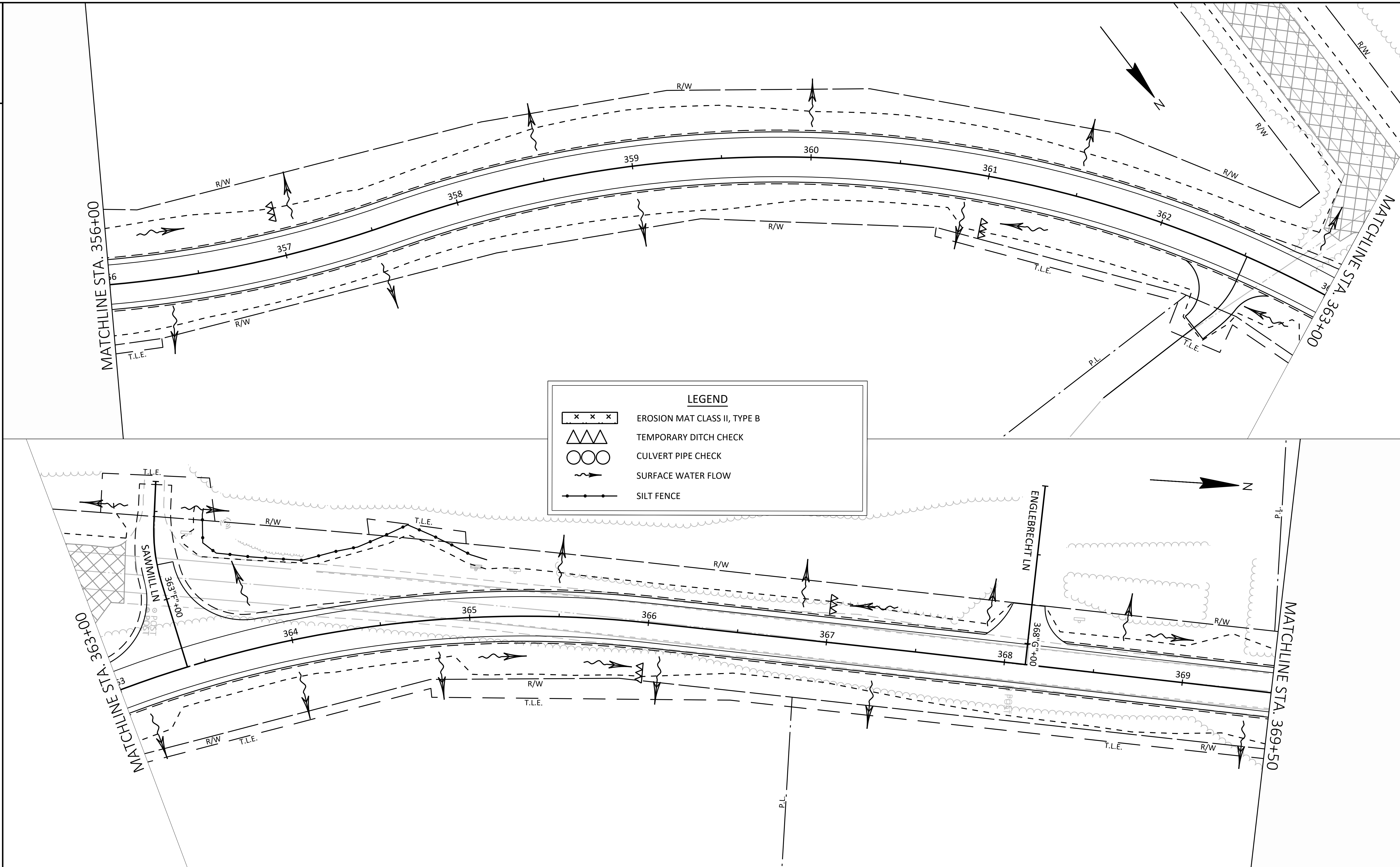
2



2

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	EROSION CONTROL	SHEET 18	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_EROSION CONTROL.DWG PLOT DATE : 7/31/2024 1:28:56 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:50 FT LAYOUT : 2.16 EROSION CONTROL

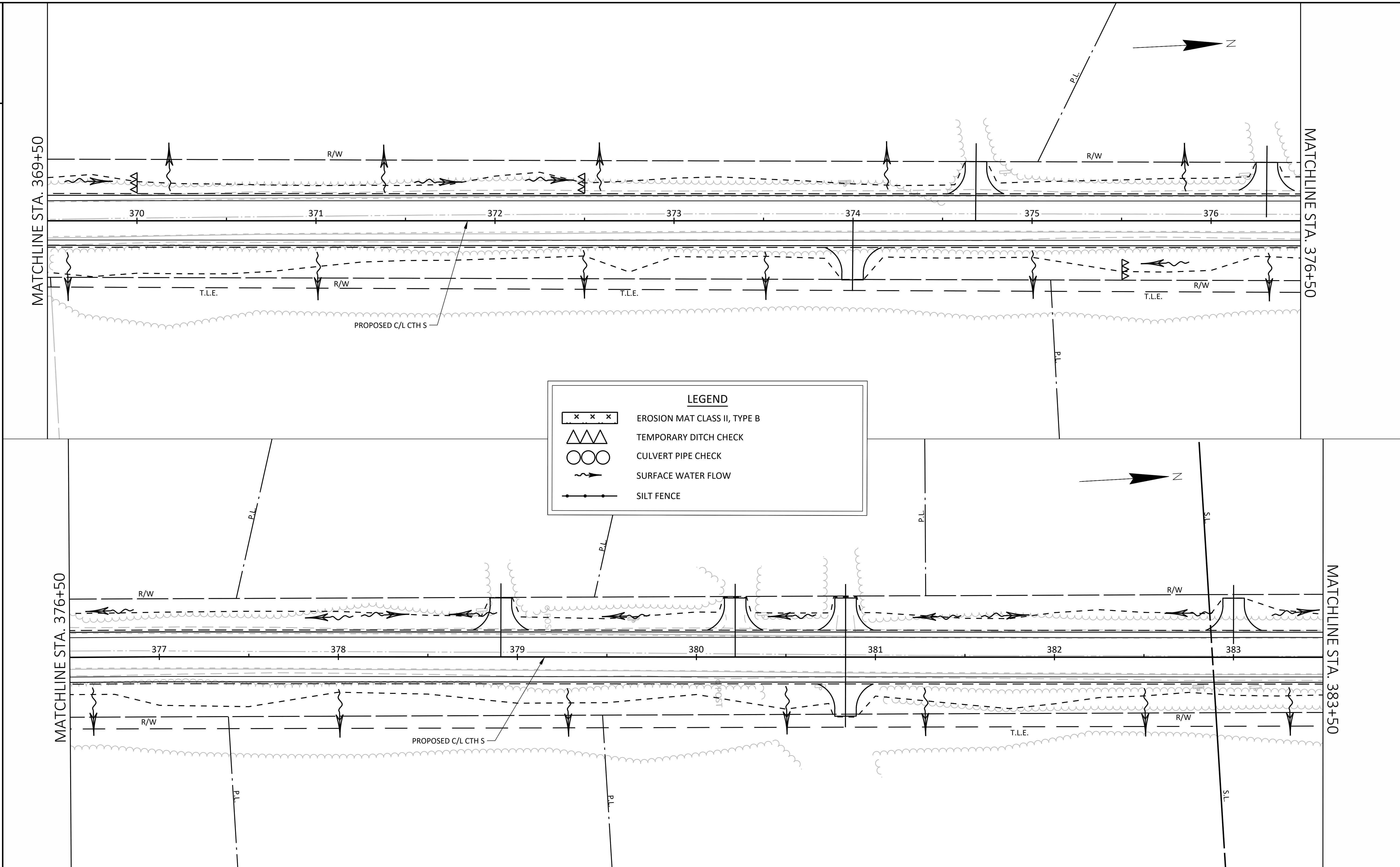


LEGEND

× × ×	EROSION MAT CLASS II, TYPE B
△△△	TEMPORARY DITCH CHECK
○○○	CULVERT PIPE CHECK
~→	SURFACE WATER FLOW
•—•—•	SILT FENCE

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	EROSION CONTROL	SHEET 19	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_EROSION CONTROL.DWG PLOT DATE : 7/31/2024 1:29:02 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:50 FT LAYOUT : 2.17 EROSION CONTROL

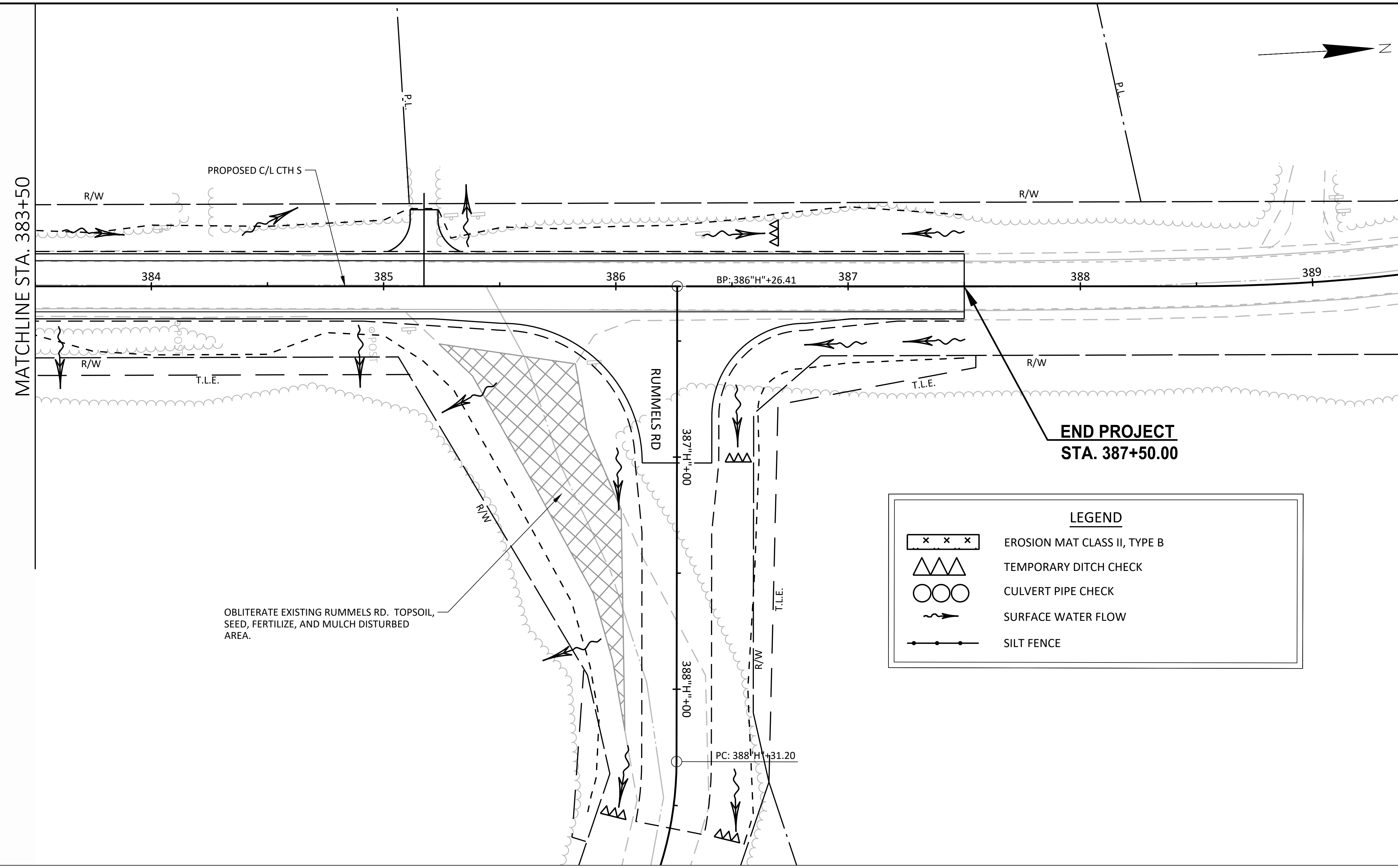


LEGEND

- EROSION MAT CLASS II, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	EROSION CONTROL	SHEET 20	E

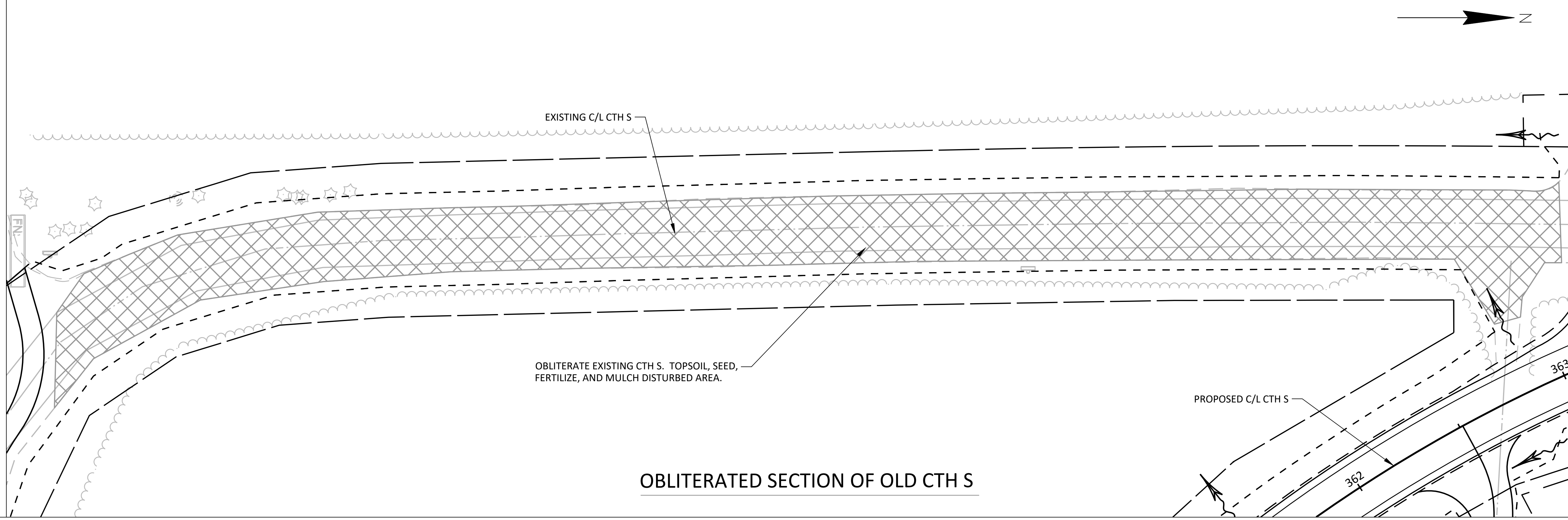
2



2

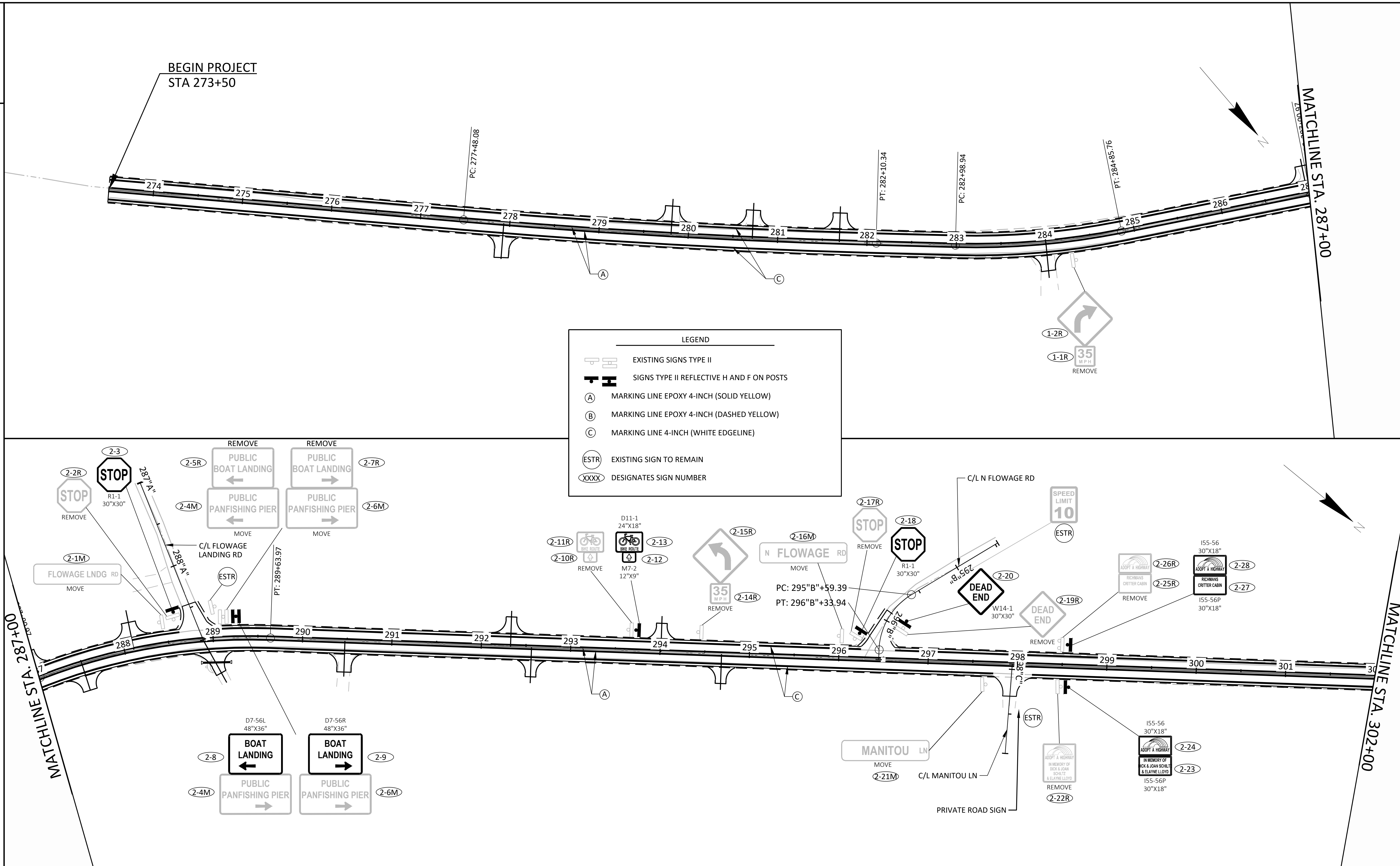
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	EROSION CONTROL	SHEET 21	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_EROSION CONTROL.DWG PLOT DATE : 7/31/2024 1:29:10 PM PLOT BY : NICK PEHLER PLOT SCALE : 1 IN:50 FT LAYOUT : 2.19 EROSION CONTROL



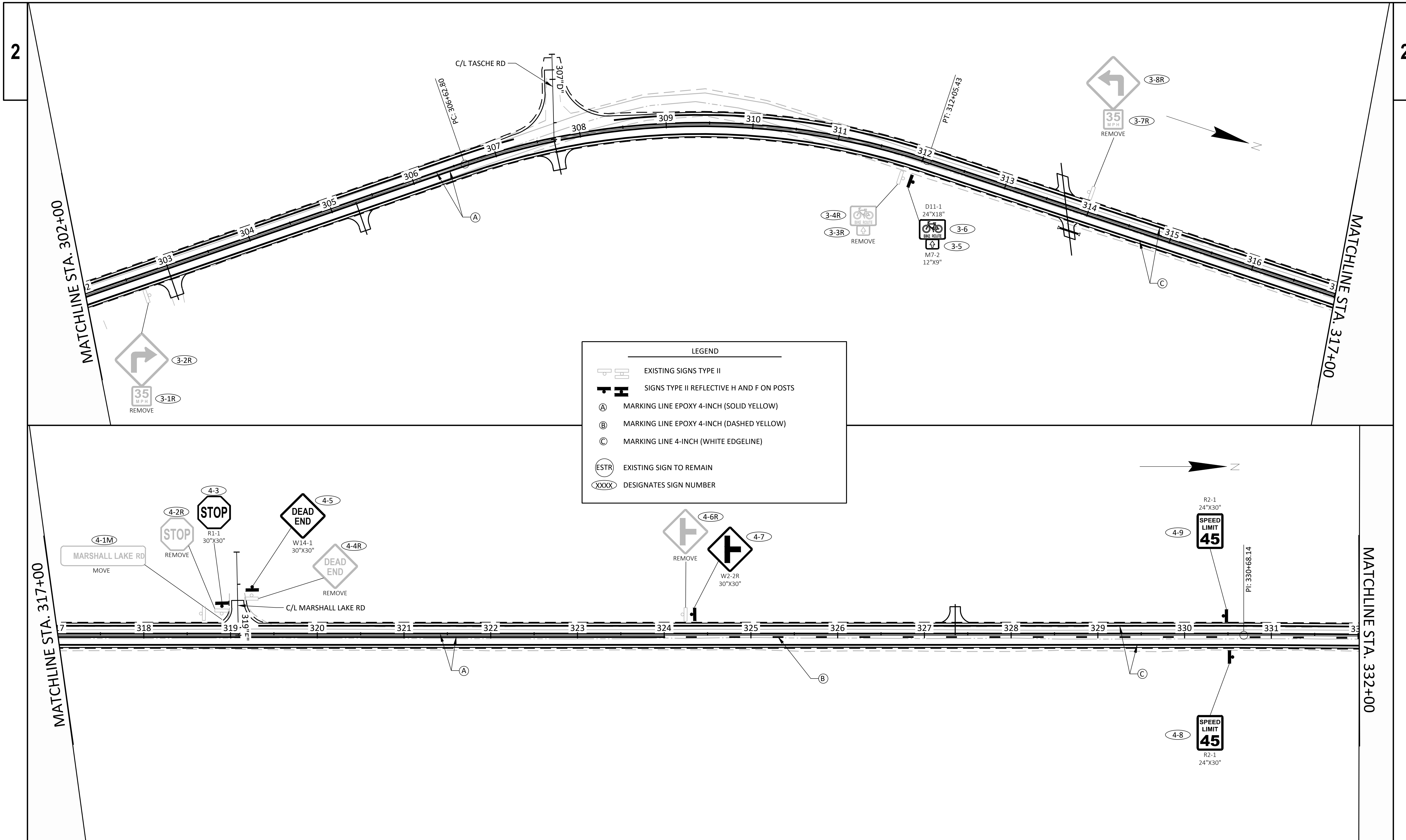
LEGEND

- EROSION MAT CLASS II, TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE



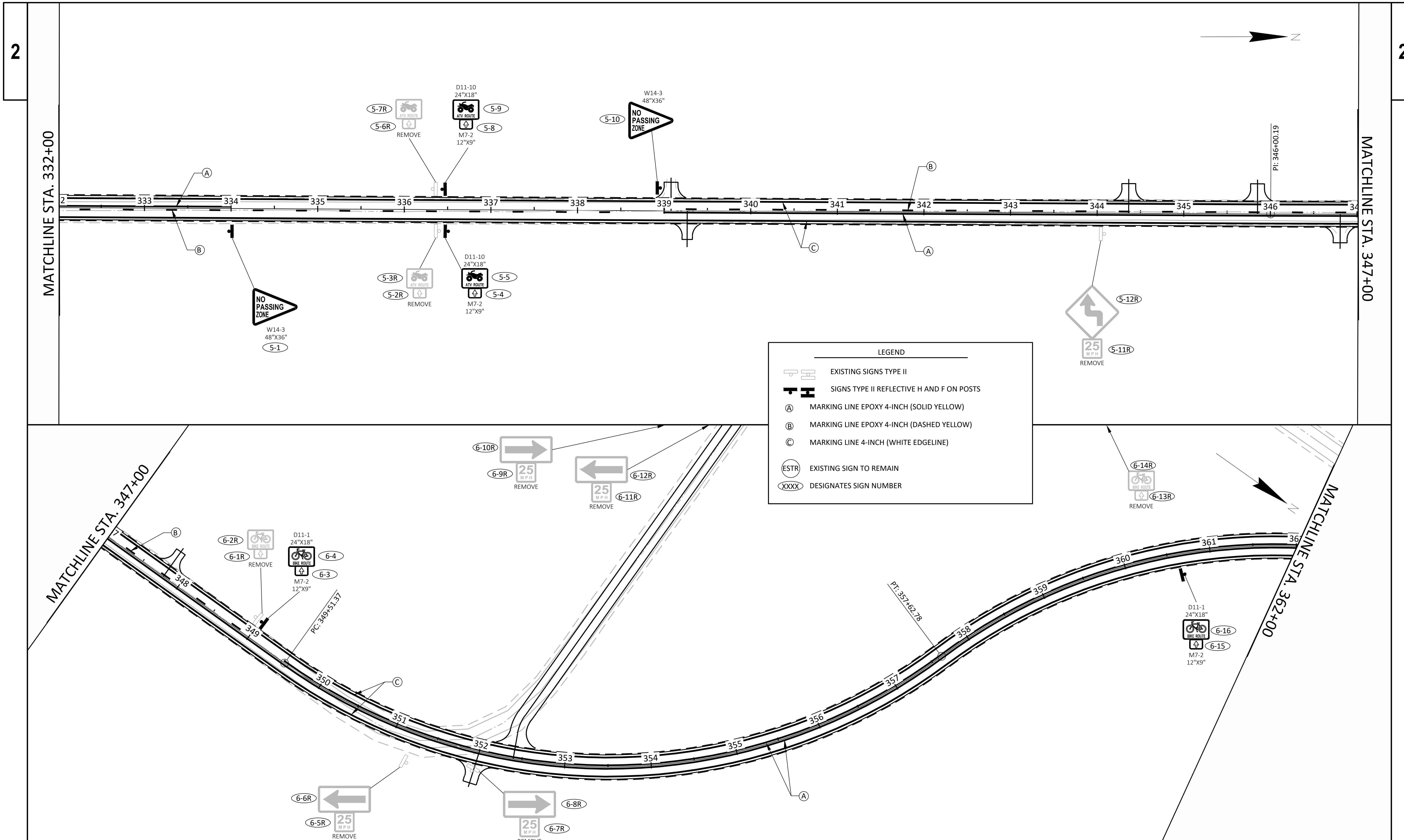
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 23	E

FILE NAME: R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_SIGNING AND MARKING.DWG PLOT DATE: 8/1/2024 8:56:35 AM PLOT BY: HANNAH BROOKS PLOT SCALE: 1 IN = 100 FT LAYOUT: 2.21 PERMANENT SIGNING & PAVEMENT MARKING



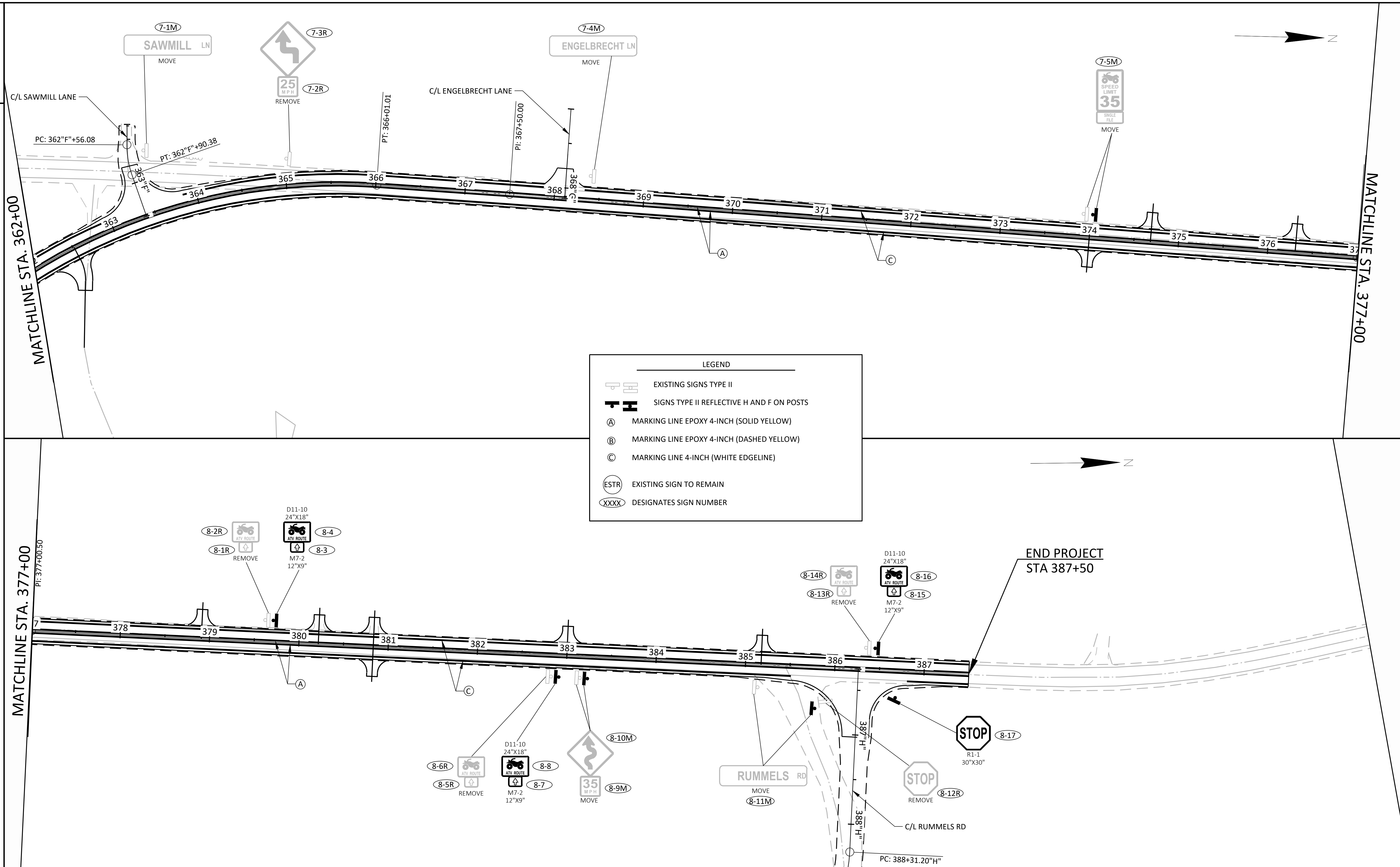
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 24	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_SIGNING AND MARKING.DWG PLOT DATE : 8/1/2024 8:56:38 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN = 100 FT LAYOUT : 2.22 PERMANENT SIGNING & PAVEMENT MARKING



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 25	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_SIGNING AND MARKING.DWG PLOT DATE : 8/1/2024 8:56:43 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN = 100 FT LAYOUT : 2.23 PERMANENT SIGNING & PAVEMENT MARKING



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 26	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\DETAILS\W11665_SIGNING AND MARKING.DWG PLOT DATE : 8/1/2024 8:56:48 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN = 100 FT LAYOUT : 2.24 PERMANENT SIGNING & PAVEMENT MARKING

GENERAL NOTES FOR TRAFFIC CONTROL

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED 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.

ALL ROADS AND STREETS WITHIN THE WORK ZONES SHALL BE KEPT ACCESSIBLE FOR EMERGENCY VEHICLES, RESIDENTS AND BUSINESSES.

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

ALL SIGN LAYOUT SHALL BE IN ACCORDANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN ACCESS TO ALL PROPERTY ABUTTING THE ROADWAY CONSTRUCTION WORK THROUGHOUT THE LIFE OF THE PROJECT.

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, LIGHTS, 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 NIGHT SHUTDOWN, ONE LANE IN EACH DIRECTION MUST REMAIN OPEN.

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.

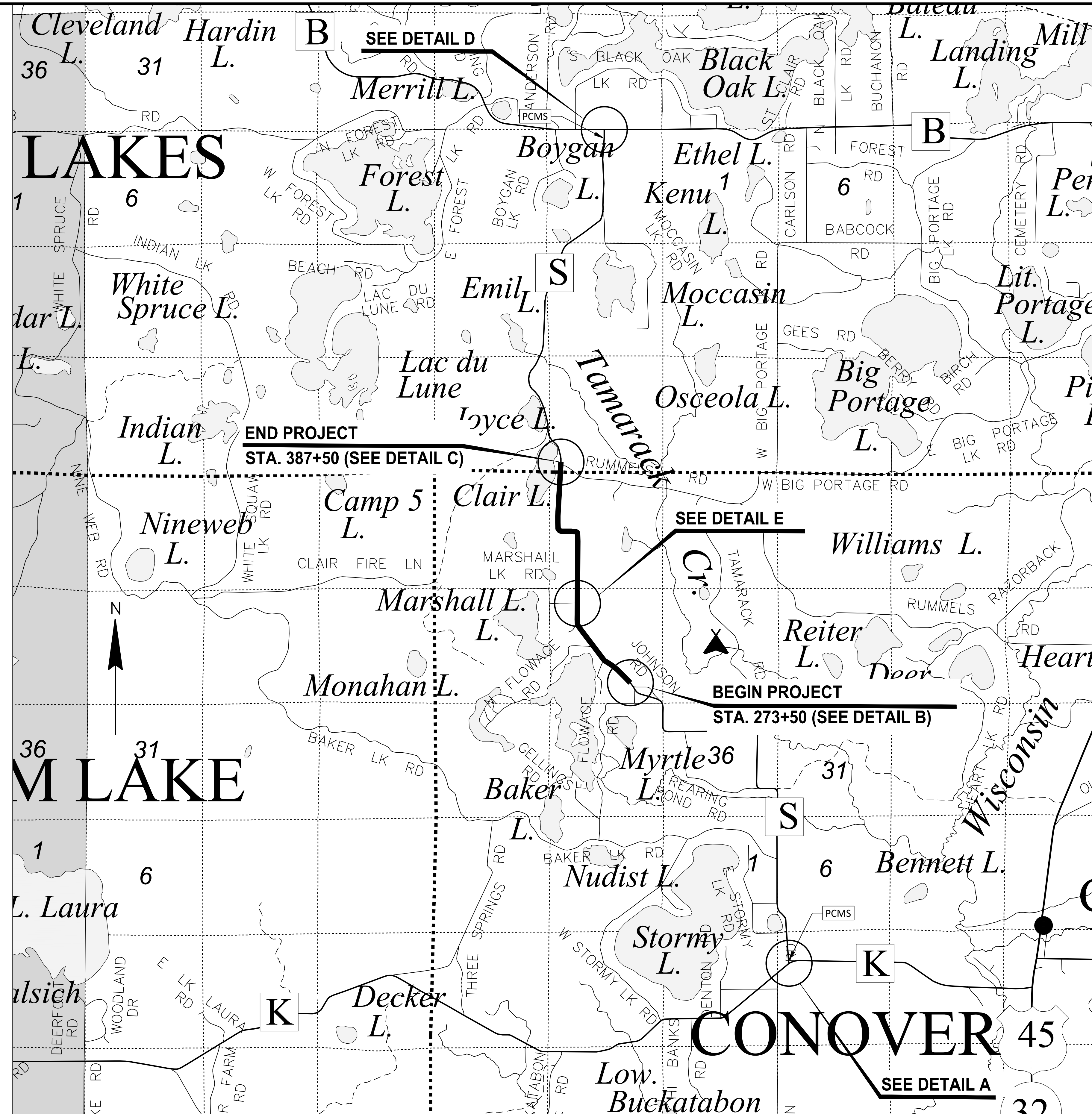
ROAD MACHINERY, FLAGGERS AHEAD, ETC. SIGNS SHALL BE USED AS NEEDED AND SHALL BE REMOVED OR COVERED AT NIGHTS, ON WEEKENDS OR WHEN THE ACTIVITY DOES NOT EXIST.

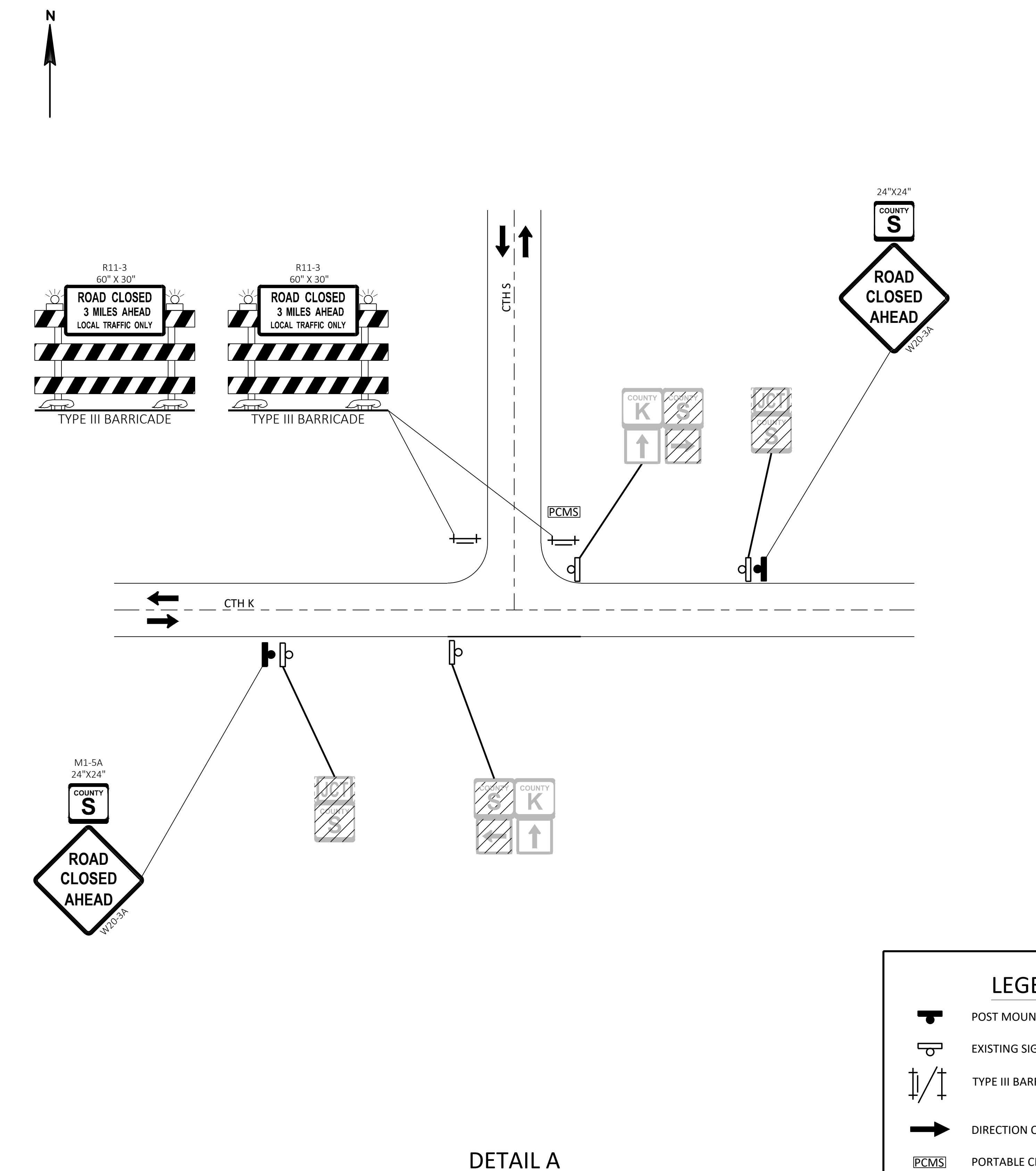
ADDITIONAL DRUMS OR TYPE III BARRICADES MAY BE REQUIRED ADJACENT TO DROP-OFFS, OPEN TRENCHES, OR PROTRUSIONS. COST TO BE INCLUDED WITH OPERATION WHICH CREATES THE HAZARD.

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

PORTABLE CHANGEABLE MESSAGE BOARD TO BE PLACED SEVEN DAYS PRIOR TO CONSTRUCTION STARTING. PCMS MESSAGE TO INCLUDE:

FIRST FRAME	SECOND FRAME
ROAD	XXXXDAY
TO	XX/XX
CLOSE	

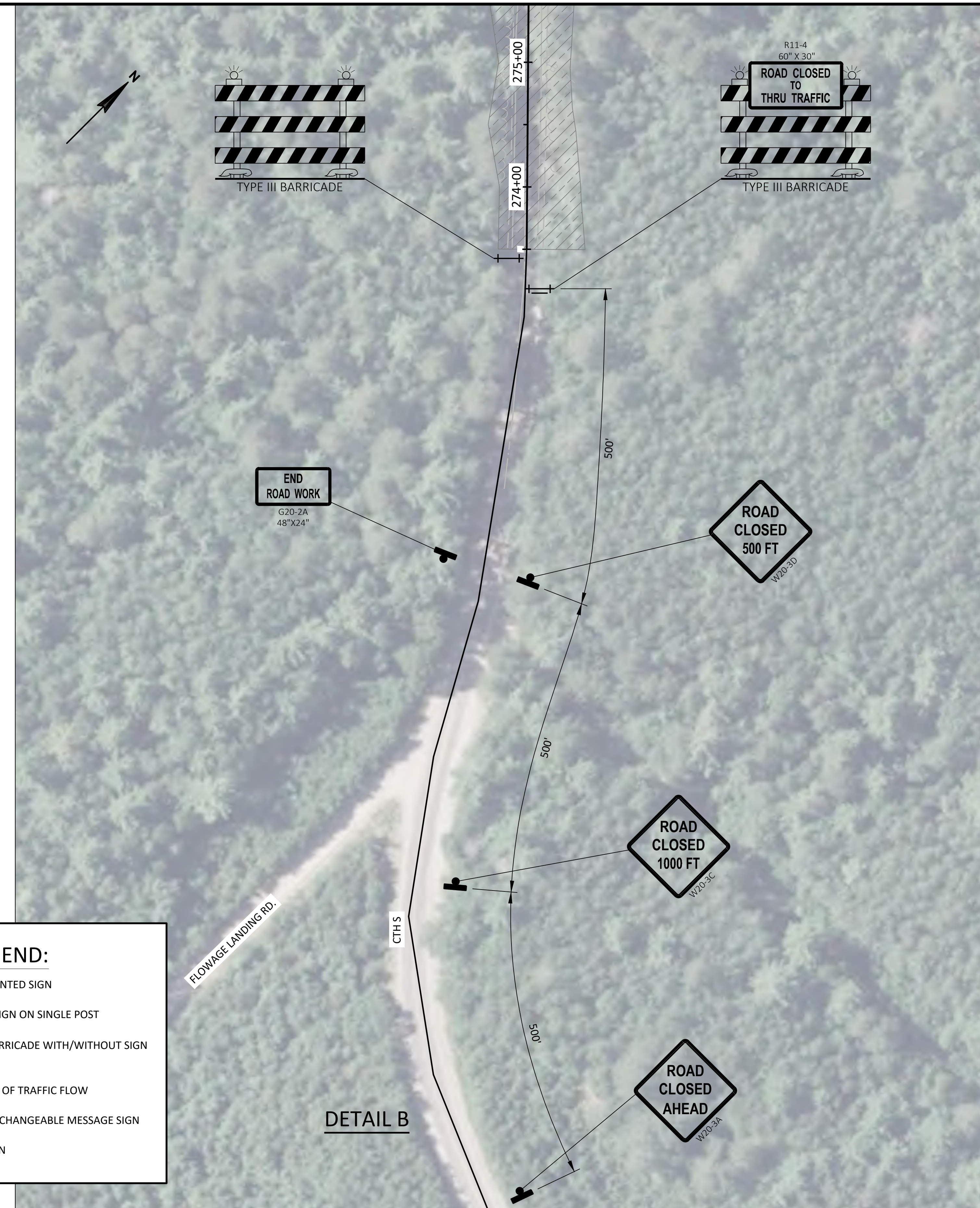




DETAIL A

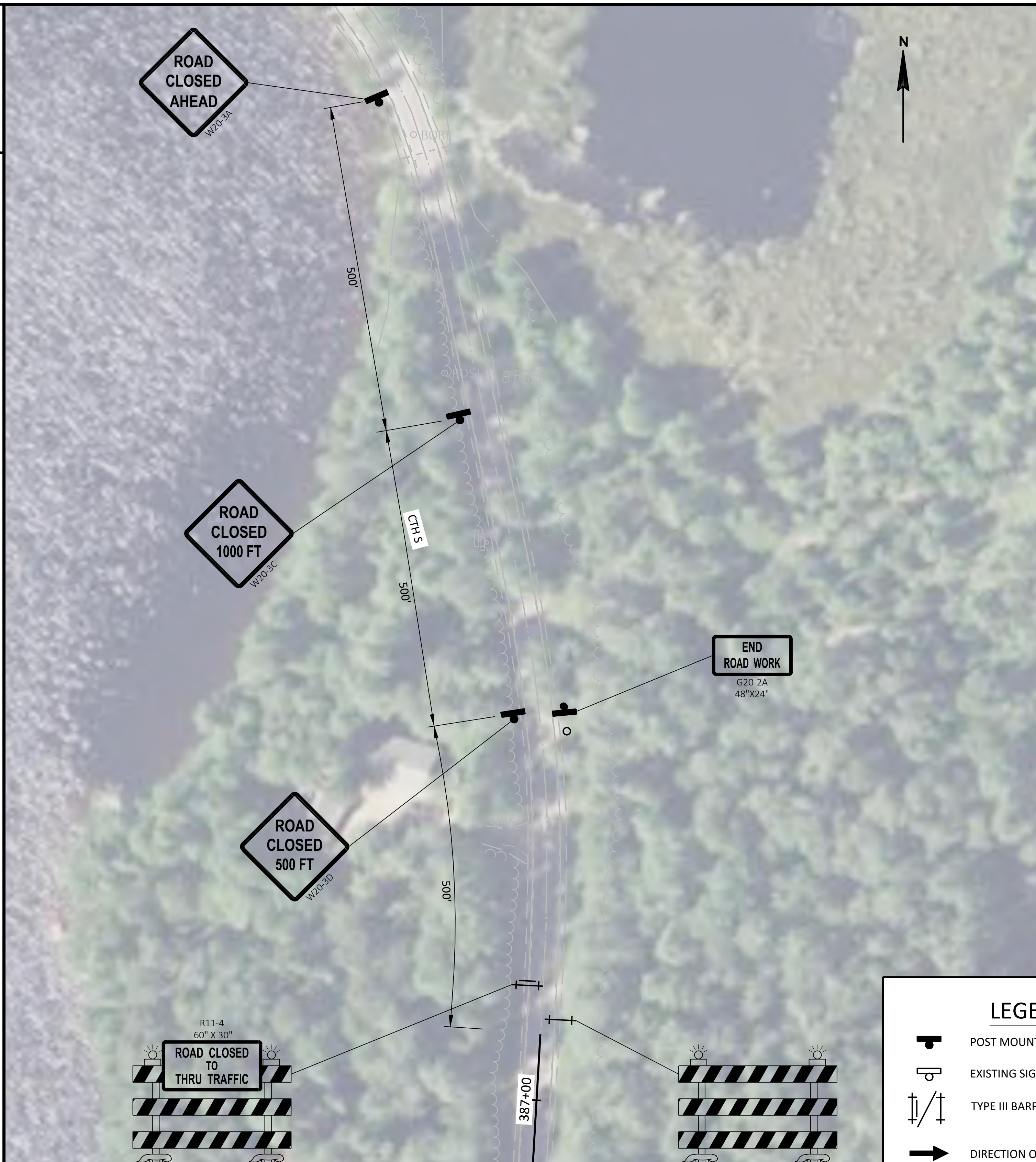
LEGEND:

- POST MOUNTED SIGN
- EXISTING SIGN ON SINGLE POST
- TYPE III BARRICADE WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- COVER SIGN

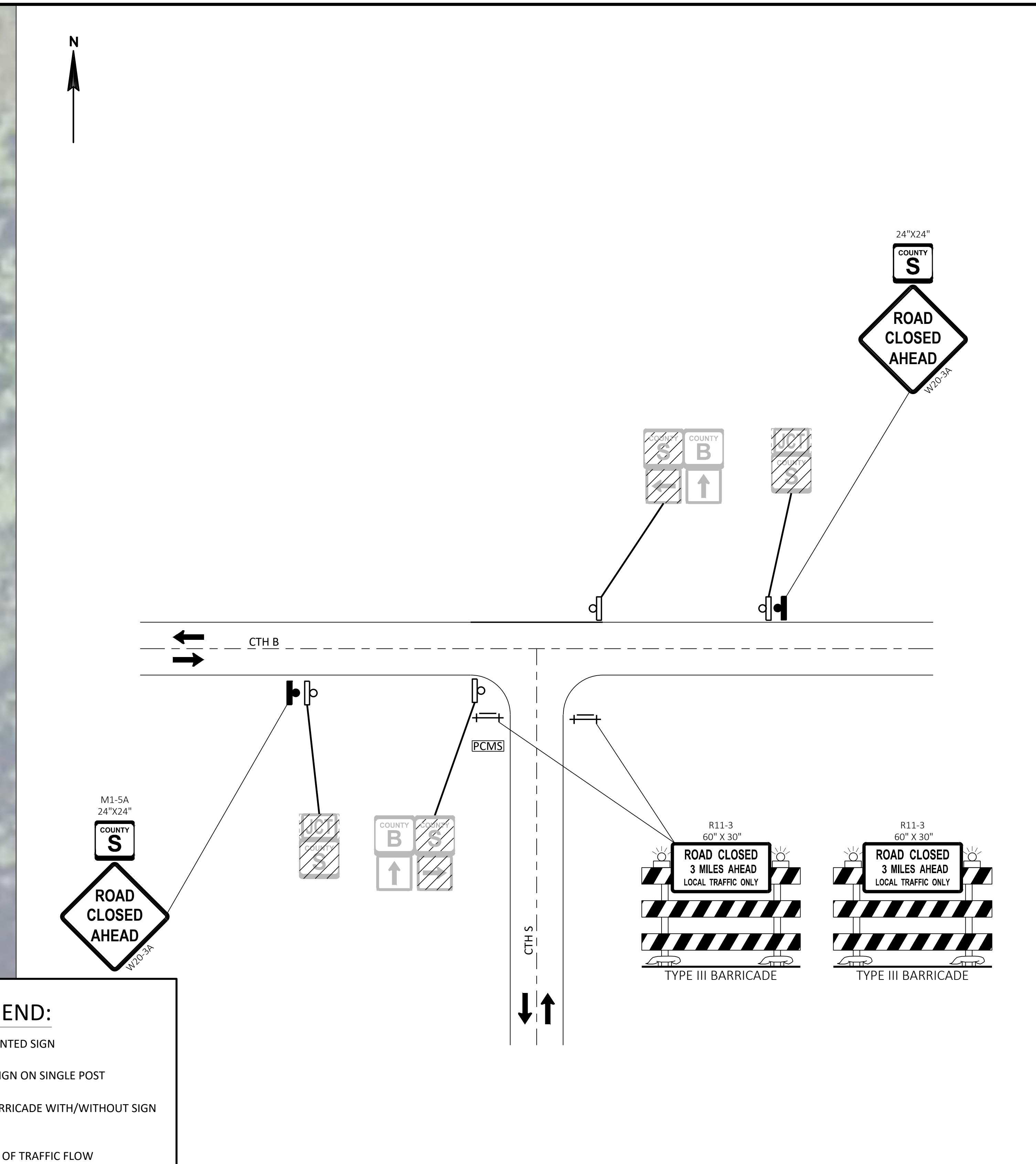


DETAIL B

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	TRAFFIC CONTROL	SHEET 28	E



DETAIL C



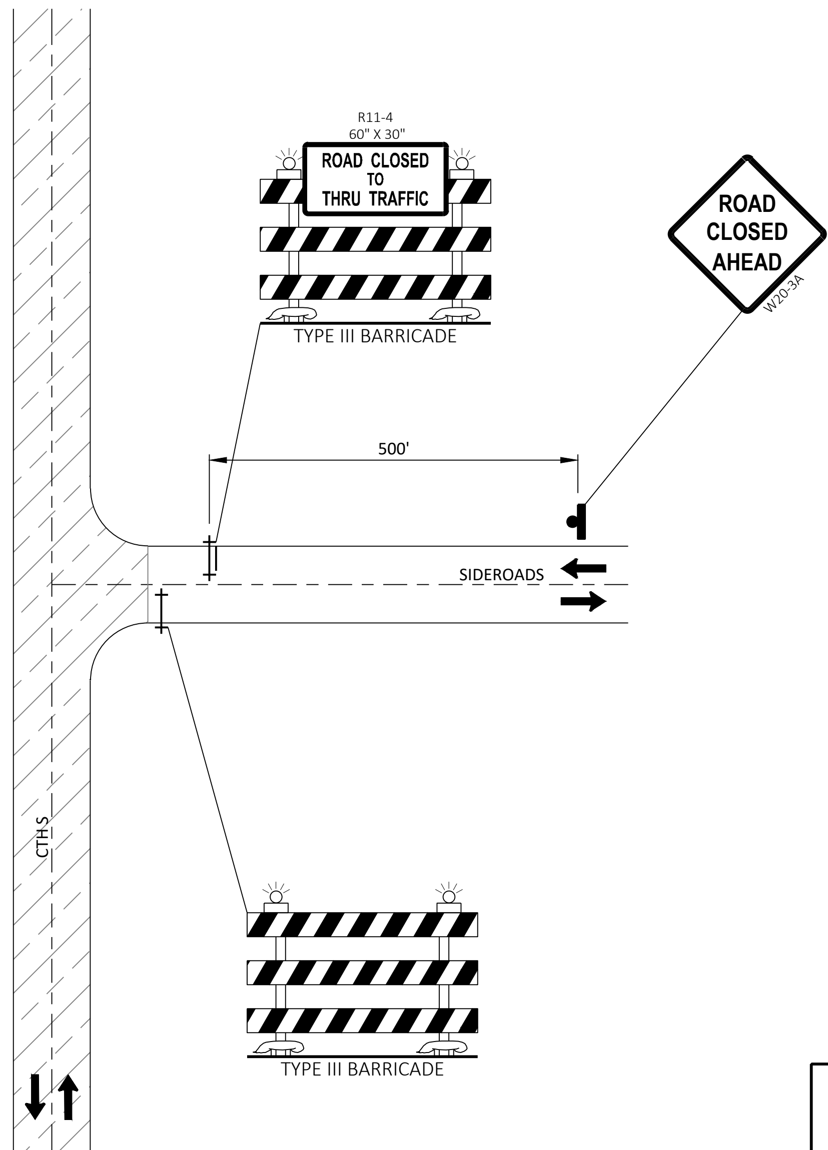
DETAIL D

LEGEND:

- POST MOUNTED SIGN
- EXISTING SIGN ON SINGLE POST
- TYPE III BARRICADE WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- COVER SIGN

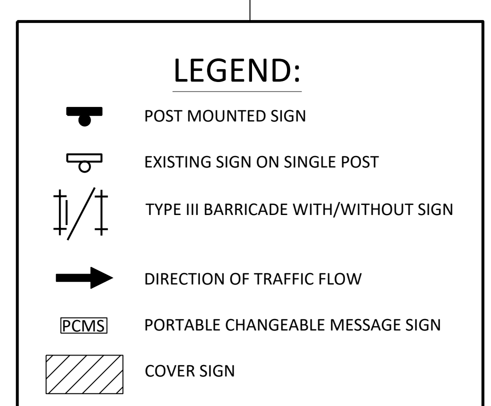
2

2



DETAIL E

FLOWAGE LANDING RD
N FLOWAGE RD
TASCHE RD
MARSHALL LAKE RD
RUMMELS RD



Estimate Of Quantities

Line	Item	Item Description	Unit	Total	Qty 9513-01-70
0002	201.0105	Clearing	STA	113.000	113.000
0004	201.0205	Grubbing	STA	113.000	113.000
0006	204.0110	Removing Asphaltic Surface	SY	170.000	170.000
0008	205.0100	Excavation Common	CY	9,850.000	9,850.000
0010	213.0100	Finishing Roadway (project) 01. 9513-01-70	EACH	1.000	1.000
0012	214.0100	Obliterating Old Road	STA	12.000	12.000
0014	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,350.000	2,350.000
0016	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	21,600.000	21,600.000
0018	325.0100	Pulverize and Relay	SY	22,850.000	22,850.000
0020	455.0605	Tack Coat	GAL	2,270.000	2,270.000
0022	460.2000	Incentive Density HMA Pavement	DOL	5,420.000	5,420.000
0024	460.5223	HMA Pavement 3 LT 58-28 S	TON	4,760.000	4,760.000
0026	460.5244	HMA Pavement 4 LT 58-34 S	TON	3,700.000	3,700.000
0028	460.9000.S	Material Transfer Vehicle	EACH	1.000	1.000
0030	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	4.000	4.000
0032	521.6115	Culvert Pipe Corrugated Steel Aluminum Coated 15-Inch	LF	58.000	58.000
0034	618.0100	Maintenance and Repair of Haul Roads (project) 01. 9513-01-70	EACH	1.000	1.000
0036	619.1000	Mobilization	EACH	1.000	1.000
0038	624.0100	Water	MGAL	400.000	400.000
0040	625.0100	Topsoil	SY	50,300.000	50,300.000
0042	627.0200	Mulching	SY	49,200.000	49,200.000
0044	628.1504	Silt Fence	LF	525.000	525.000
0046	628.1520	Silt Fence Maintenance	LF	1,050.000	1,050.000
0048	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0050	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0052	628.2023	Erosion Mat Class II Type B	SY	900.000	900.000
0054	628.7504	Temporary Ditch Checks	LF	550.000	550.000
0056	628.7555	Culvert Pipe Checks	EACH	4.000	4.000
0058	629.0210	Fertilizer Type B	CWT	40.000	40.000
0060	630.0120	Seeding Mixture No. 20	LB	1,700.000	1,700.000
0062	630.0500	Seed Water	MGAL	1,400.000	1,400.000
0064	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	15.000	15.000
0066	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	6.000	6.000
0068	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	1.000	1.000
0070	637.2210	Signs Type II Reflective H	SF	105.470	105.470
0072	637.2230	Signs Type II Reflective F	SF	29.870	29.870
0074	638.2102	Moving Signs Type II	EACH	12.000	12.000
0076	638.2602	Removing Signs Type II	EACH	50.000	50.000
0078	638.3000	Removing Small Sign Supports	EACH	30.000	30.000
0080	638.4000	Moving Small Sign Supports	EACH	10.000	10.000
0082	642.5001	Field Office Type B	EACH	1.000	1.000
0084	643.0420	Traffic Control Barricades Type III	DAY	1,710.000	1,710.000
0086	643.0705	Traffic Control Warning Lights Type A	DAY	3,420.000	3,420.000
0088	643.0900	Traffic Control Signs	DAY	3,040.000	3,040.000
0090	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000
0092	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0094	643.5000	Traffic Control	EACH	1.000	1.000
0096	646.1020	Marking Line Epoxy 4-Inch	LF	35,050.000	35,050.000
0098	648.0100	Locating No-Passing Zones	MI	2.160	2.160

9513-01-70

Line	Item	Item Description	Unit	Total	Qty
0100	650.4500	Construction Staking Subgrade	LF	5,925.000	5,925.000
0102	650.5000	Construction Staking Base	LF	11,775.000	11,775.000
0104	650.9911	Construction Staking Supplemental Control (project) 01. 9513-01-70	EACH	1.000	1.000
0106	650.9920	Construction Staking Slope Stakes	LF	11,400.000	11,400.000
0108	690.0150	Sawing Asphalt	LF	40.000	40.000
0110	740.0440	Incentive IRI Ride	DOL	8,920.000	8,920.000
0112	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0114	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,260.000	1,260.000

CLEARING AND GRUBBING

STATION - STATION	LOCATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
274+00 - 288+00	CTH S, LT & RT	14	14
288+00 - 298+00	CTH S, RT	10	10
298+00 - 305+00	CTH S, LT	7	7
305+00 - 307+00	CTH S, LT & RT	2	2
307+00 - 311+00	CTH S, RT	4	4
311+00 - 318+00	CTH S, LT & RT	7	7
318+00 - 320+00	CTH S, RT	2	2
320+00 - 350+00	CTH S, LT & RT	30	30
350+00 - 351+00	CTH S, LT	1	1
352+00 - 364+00	CTH S, LT & RT	12	12
364+00 - 365+00	CTH S, RT	1	1
365+00 - 368+00	CTH S, LT & RT	3	3
368+00 - 369+00	CTH S, RT	1	1
369+00 - 378+00	CTH S, LT & RT	9	9
378+00 - 380+00	CTH S, RT	2	2
380+00 - 385+00	CTH S, LT & RT	5	5
306'D'+75 - 307'D'+35	TASCHE RD, LT	1	1
386'H'+70 - 388'H'+00	RUMMELS RD, LT & RT	2	2
	TOTALS =	113	113

REMOVING ASPHALTIC SURFACE

STATION - STATION	LOCATION	204.0110 (SY)
273+50 - 274+25	CTH S	170
	TOTAL =	170

OBLITERATING OLD ROAD

STATION - STATION	LOCATION	214.0100 (STA)
308+50 - 310+00	CTH S, LT	2
359+30 - 363+00	CTH S, LT (EXIST CTH S)	7
386'H'+42 - 388'H'+18	RUMMELS RD	3
	TOTAL =	12

PULVERIZE AND RELAY

STATION - STATION	LOCATION	325.0100 (SY)
274+25 - 305+50	CTH S	7080
305+50 - 311+75	CTH S	1450
311+75 - 320+00	CTH S	1890
320+00 - 323+00	CTH S	690
325+50 - 330+50	CTH S	1130
330+50 - 348+75	CTH S	4120
367+00 - 386+75	CTH S	4540
352+39	LT, OLD CTH S	1950
	TOTAL =	22850

EARTHWORK

STATION - STATION	LOCATION	(1) 205.0100 EXCAVATION COMMON (CUT) (CY)	UNEXPANDED FILL (CY)	EXPANDED FILL -25% (CY)	(2) MASS ORDINATE (+/-) (CY)
273+00 - 387+50	CTH S, MAINLINE (3)	9200	6950	8688	512
306'D'+75 - 307'D'+53	TASCHE RD	40	70	88	-48
362'F'+45 - 363'F'+24	SAWMILL LN	15	190	238	-223
386'H'+42 - 388'H'+60	RUMMELS RD	595	45	56	539
	TOTALS =	9850	7255	9070	780

NOTES:
1.) COMMON EXCAVATION IS THE SUM OF THE CUT, ITEM NUMBER 205.0100
2.) THE MASS ORDINATE = CUT - EXPANDED FILL. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.
3.) EARTHWORK QUANTITIES FOR THE MAINLINE INCLUDE QUANTITIES FOR ALIGNMENTS 'A', 'B', 'C', 'E', AND 'G'.

HMA PAVEMENT

STATION - STATION	LOCATION	460.5244 4 LT 58-34 S (TON)	460.5223 3 LT 58-28 S (TON)	455.0605 TACK COAT (GAL)
273+50 - 275+50	CTH S	63	80	38
275+50 - 281+00	CTH S	173	222	106
281+00 - 290+00	CTH S	282	364	174
290+00 - 298+00	CTH S	251	323	154
298+00 - 305+50	CTH S	236	304	144
305+50 - 311+75	CTH S	200	256	122
311+75 - 320+00	CTH S	260	334	160
320+00 - 330+50	CTH S	330	424	202
330+50 - 348+75	CTH S	573	736	351
348+75 - 367+00	CTH S	578	740	352
367+00 - 386+80	CTH S	625	806	386
386+80 - 387+50	CTH S	23	29	14
288'A'+46 - 288'A'+74	FLOWAGE LANDING RD	7	10	4
295'B'+90 - 296'B'+31	N FLOWAGE RD	9	11	6
298'C'+10 - 298'C'+31	MANITOU LN	5	8	3
306'D'+75 - 307'D'+53	TASCHE RD	26	33	16
318'E'+69 - 318'E'+45	MARSHALL LAKE RD	6	8	4
362'F'+45 - 363'F'+24	SAWMILL LN	15	21	10
367'G'+78 - 369'G'+97	ENGELBRECHT LN	5	9	4
386'H'+42 - 388'H'+60	RUMMELS RD	33	42	20
	TOTALS =	3700	4760	2270

BASE AGGREGATE DENSE AND GRADE STAKING

STATION - STATION	LOCATION	305.0110 3/4-INCH (TON)	305.0120 1 1/4-INCH (TON)	624.0100 WATER (MGAL)	650.4500 CONSTRUCTION STAKING SUBGRADE (LF)	650.5000 CONSTRUCTION STAKING BASE (LF)
273+50 - 275+50	CTH S	19	280	4	-	200
275+50 - 281+00	CTH S	50	1370	21	-	550
281+00 - 290+00	CTH S	80	1225	20	-	900
290+00 - 298+00	CTH S	72	1980	30	-	800
298+00 - 305+50	CTH S	68	1025	16	-	750
305+50 - 311+75	CTH S	55	1295	20	625	625
311+75 - 320+00	CTH S	75	1120	18	-	825
320+00 - 330+50	CTH S	95	2160	34	1050	1050
330+50 - 348+75	CTH S	166	2495	41	-	1825
348+75 - 367+00	CTH S	166	3770	58	1825	1825
367+00 - 386+80	CTH S	180	4100	108	1980	1980
386+80 - 387+50	CTH S	10	145	2	70	70
288'A'+46 - 288'A'+74	FLOWAGE LANDING RD	21	10	1	-	-
295'B'+90 - 296'B'+31	N FLOWAGE RD	27	37	1	-	-
298'C'+09 - 298'C'+30	MANITOU LN	13	15	1	-	-
306'D'+75 - 307'D'+53	TASCHE RD	27	195	3	78	78
318'E'+69 - 318'E'+45	MARSHALL LAKE RD	19	8	1	-	-
362'F'+45 - 363'F'+24	SAWMILL LN	33	125	2	79	79
367'G'+79 - 367'G'+47	ENGELBRECHT LN	14	25	1	-	-
386'H'+42 - 388'H'+60	RUMMELS RD	150	220	6	218	218
352+39	OLD CTH S	500	-	6	-	-
--	DRIVEWAYS	510	-	6	-	-
	TOTALS =	2350	21600	400	5925	11775

CULVERT PIPES

STATION	LOCATION	520.1015 APRON ENDWALL FOR CULVERT PIPE 15-INCH (EACH)	521.6115 CULVERT PIPE STEEL ALUMINUM COATED 15-INCH* (LF)	628.7555 CULVERT PIPE CHECKS (EACH)
289+00	CTH S, RT	2	30	2
313+70	CTH S, RT	2	28	2
	TOTALS =	4	58	4

*MINIMUM THICKNESS OF CULVERT PIPE STEEL ALUMINUM COATED 15-INCH SHALL BE 0.064 INCHES

3

FINISHING ITEMS

STATION - STATION	LOCATION	625.0100 TOPSOIL (SY)	628.2023 EROSION MAT CLASS II TYPE B (SY)	627.0200 MULCHING (SY)	629.0210 FERTILIZER TYPE B (CWT)	630.0120 SEEDING MIXTURE NO. 20 (LB)	630.0500 SEED WATER (MGAL)
273+50 - 275+50	CTH S	666	-	666	0.5	24	20
275+50 - 281+00	CTH S	1516	-	1516	1.3	55	45
281+00 - 290+00	CTH S	2756	-	2756	2.3	98	81
288+79	CTH S, RT	-	10	-	-	-	-
290+00 - 298+00	CTH S	1418	-	1418	1.4	59	49
298+00 - 305+50	CTH S	2659	-	2659	2.1	92	76
305+50 - 311+75	CTH S	2140	-	2140	1.5	66	54
311+75 - 320+00	CTH S	2444	-	2444	2	87	73
313+67	CTH S, RT	-	10	-	-	-	-
320+00 - 330+50	CTH S	3489	-	2389	2.9	123	102
323+00 - 325+00	CTH S, RT	-	720	-	-	-	-
330+50 - 348+75	CTH S	6223	-	6223	5.1	217	180
348+75 - 367+00	CTH S	5087	-	5087	4.3	186	154
367+00 - 386+80	CTH S	3770	-	3770	3.5	152	126
386+80 - 387+50	CTH S	237	-	237	0.2	8	7
306'D'+75 - 307'D'+53	TASCHE RD	210	-	210	0.2	8	6
362'F'+45 - 363'F'+24	SAWMILL LN	175	-	175	0.2	7	6
386'H'+42 - 388'H'+60	RUMMELS RD	1233	-	1233	0.9	40	33
--	EXISTING CTH S	6642	-	6642	4.2	180	149
--	UNDISTRIBUTED	9635	160	9635	7.4	298	239
	TOTALS =	50300	900	49200	40	1700	1400

MOBILIZATIONS EROSION CONTROL

STATION - STATION	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
273+50 - 387+50	CTH S	5	4
	TOTALS =	5	4

SILT FENCE

STATION - STATION	LOCATION	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)
282+20 - 283+50	CTH S, LT	135	270
303+00 - 303+70	CTH S, RT	75	150
363+50 - 365+10	CTH S, LT	265	530
--	UNDISTRIBUTED	50	100
	TOTALS =	525	1050

TEMPORARY DITCH CHECKS

STATION	LOCATION	628.7504 (LF)
275+50	CTH S, LT & RT	20
283+50	CTH S, LT	10
286+00	CTH S, LT	10
288+80	CTH S, RT	10
300+60	CTH S, RT	10
303+40	CTH S, LT & RT	20
303+50	CTH S, LT & RT	20
305+00	CTH S, LT	10
308+50	CTH S, RT	10
311+00	CTH S, RT	10
316+50	CTH S, LT & RT	20
319+00	CTH S, RT	10
321+50	CTH S, RT	10
323+50	CTH S, LT	10
325+00	CTH S, LT	10
325+50	CTH S, RT	10
327+50	CTH S, RT	10
328+00	CTH S, LT	10
331+10	CTH S, LT & RT	20
331+20	CTH S, LT & RT	20
333+50	CTH S, LT & RT	10
334+50	CTH S, RT	10
335+00	CTH S, LT	10
337+00	CTH S, LT & RT	20
341+50	CTH S, LT & RT	20
344+50	CTH S, RT	10
349+50	CTH S, LT	10
352+75	CTH S, LT	10
357+00	CTH S, LT	10
361+00	CTH S, RT	10
366+00	CTH S, RT	10
367+00	CTH S, LT	10
370+00	CTH S, LT	10
372+50	CTH S, LT	10
375+50	CTH S, RT	10
386+70	CTH S, LT	10
295'B'+90	N FLOWAGE RD, RT	10
287'H'+00	RUMMELS RD, LT	10
388'H'+60	RUMMELS RD, LT & RT	20
--	UNDISTRIBUTED	70
	TOTAL =	550

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PERMANENT SIGNING

SIGN NUMBER	APPROX. STATION	LOCATION	POSITION	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE (IN X IN)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH 18-FT (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	COMMENT
1-1R	284+12	CTH S	RIGHT	W13-1	ADVISORY SPEED	35	-	-	-	-	-	-	1	1	-	-	-
1-2R	284+12	CTH S	RIGHT	W1-2R	ROAD CURVES RIGHT	-	-	-	-	-	-	-	1	-	-	-	1-1R
2-1M	288+36	CTH S	LEFT	-	ROAD NAME	FLOWAGE LNDG RD	-	-	-	-	-	-	-	-	1	1	-
2-2R	288'A'+50	FLOWAGE LANDING RD	RIGHT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-	-	-
2-3	288'A'+50	FLOWAGE LANDING RD	RIGHT	R1-1	STOP	-	30X30	5.18	-	1	-	-	-	-	-	-	-
2-4M	289+10	CTH S	LEFT	-	FISHING PIER	PUBLIC PANFISHING PIER <--	-	-	-	-	-	-	-	-	2	-	MOVE TO 2-8
2-5R	289+10	CTH S	LEFT	-	BOAT LANDING	PUBLIC BOAT LANDING <--	-	-	-	-	-	-	2	1	-	-	2-4M
2-6M	289+10	CTH S	LEFT	-	FISHING PIER	PUBLIC PANFISHING PIER -->	-	-	-	-	-	-	-	-	-	-	2-4M, MOVE TO 2-9
2-7R	289+10	CTH S	LEFT	-	BOAT LANDING	PUBLIC BOAT LANDING -->	-	-	-	-	-	-	-	-	-	-	2-4M
2-8	289+10	CTH S	LEFT	D7-56L	BOAT LANDING	BOAT LANDING <--	48X36	12.00	-	-	-	1	-	-	-	-	-
2-9	289+10	CTH S	LEFT	D7-56R	BOAT LANDING	BOAT LANDING -->	48X36	12.00	-	-	-	-	-	-	-	-	MOUNT ON POST AS 2-8
2-10R	293+69	CTH S	LEFT	M7-2	ARROW PLAQUE	UP ARROW	-	-	-	-	-	-	1	1	-	-	-
2-11R	293+70	CTH S	LEFT	D11-1	BIKE ROUTE W/ SYMBOL	-	-	-	-	-	-	-	1	-	-	-	2-10R
2-12	293+67	CTH S	LEFT	M7-2	ARROW PLAQUE	UP ARROW	12X9	0.75	-	1	-	-	-	-	-	-	-
2-13	293+68	CTH S	LEFT	D11-1	BIKE ROUTE W/ SYMBOL	-	24X18	3.00	-	-	-	-	-	-	-	-	2-12
2-14R	294+44	CTH S	LEFT	W13-1	ADVISORY SPEED	35	-	-	-	-	-	-	1	1	-	-	-
2-15R	294+44	CTH S	LEFT	W1-2L	ROAD CURVES LEFT	-	-	-	-	-	-	-	1	-	-	-	2-14R
2-16M	296+15	CTH S	LEFT	-	ROAD NAME	N FLOWAGE RD	-	-	-	-	-	-	-	-	1	1	-
2-17R	296'B'+35	N FLOWAGE RD	RIGHT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-	-	-
2-18	296'B'+35	N FLOWAGE RD	RIGHT	R1-1	STOP	-	30X30	5.18	-	1	-	-	-	-	-	-	-
2-19R	296'B'+00	N FLOWAGE RD	LEFT	W14-1	DEAD END	-	-	-	-	-	-	-	1	1	-	-	-
2-20	296'B'+00	N FLOWAGE RD	LEFT	W14-1	DEAD END	-	30X30	-	6.25	-	1	-	-	-	-	-	-
2-21M	297+61	CTH S	RIGHT	-	ROAD NAME	MANITOU LN	-	-	-	-	-	-	-	-	1	1	-
2-22R	298+45	CTH S	RIGHT		ADOPT A HIGHWAY	IN MEMORY OF, DICK & JOAN, SCHILTZ, & ELAYNE LLOYD	-	-	-	-	-	-	1	1	-	-	-
2-23	298+45	CTH S	RIGHT	I55-56P	ADOPT A HIGHWAY SPONSOR	IN MEMORY OF, DICK & JOAN, SCHILTZ, & ELAYNE LLOYD	30X18	3.75	-	-	1	-	-	-	-	-	-
2-24	298+45	CTH S	RIGHT	I55-56	ADOPT A HIGHWAY	-	30X18	3.75	-	-	-	-	-	-	-	-	2-23
2-25R	298+45	CTH S	LEFT			RICHMANS CRITTER CABIN	-	-	-	-	-	-	1	2	-	-	-
2-26R	298+45	CTH S	LEFT			LITTER CONTROL, NEXT 2 MILES	-	-	-	-	-	-	1	-	-	-	2-25R
2-27	298+45	CTH S	LEFT	I55-56	ADOPT A HIGHWAY SPONSOR	RICHMANS CRITTER CABIN	30X18	3.75	-	-	1	-	-	-	-	-	-
2-28	298+45	CTH S	LEFT	I55-56P	ADOPT A HIGHWAY		30X18	3.75	-	-	-	-	-	-	-	-	2-27
3-1R	304+68	CTH S	RIGHT	W13-1	ADVISORY SPEED	35	-	-	-	-	-	-	1	1	-	-	-
3-2R	304+69	CTH S	RIGHT	W1-1R	ROAD TURNS RIGHT	-	-	-	-	-	-	-	1	-	-	-	-
3-3R	311+80	CTH S	RIGHT	M7-1	ARROW PLAQUE	UP ARROW	-	-	-	-	-	-	1	1	-	-	-
3-4R	311+80	CTH S	RIGHT	D11-1	BIKE ROUTE W/ SYMBOL	-	-	-	-	-	-	-	1	-	-	-	3-3R
3-5	311+80	CTH S	RIGHT	M7-1	ARROW PLAQUE	UP ARROW	12X9	0.75	-	1	-	-	-	-	-	-	-
3-6	311+80	CTH S	RIGHT	D11-1	BIKE ROUTE W/ SYMBOL	-	24X18	3.00	-	-	-	-	-	-	-	-	3-5
3-7R	313+97	CTH S	LEFT	W13-1	ADVISORY SPEED	35	-	-	-	-	-	-	1	1	-	-	-
3-8R	313+97	CTH S	LEFT	W1-1L	ROAD TURNS LEFT	-	-	-	-	-	-	-	1	-	-	-	3-7R
4-1M	318+90	CTH S	LEFT	-	ROAD NAME	MARSHALL LAKE RD	-	-	-	-	-	-	-	-	1	1	-
4-2R	318'E'+85	MARSHALL LAKE RD	RIGHT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-	-	-
4-3	318'E'+85	MARSHALL LAKE RD	RIGHT	R1-1	STOP	-	30X30	5.18	-	1	-	-	-	-	-	-	-
4-4R	318'E'+65	MARSHALL LAKE RD	LEFT	W14-1	DEAD END	-	-	-	-	-	-	-	1	1	-	-	-
4-5	318'E'+65	MARSHALL LAKE RD	LEFT	W14-1	DEAD END	-	30X30	-	6.25	-	1	-	-	-	-	-	-
4-6R	324+24	CTH S	LEFT	W2-2R	SIDE ROAD AHEAD	-	-	-	-	-	-	-	1	1	-	-	-
4-7	324+24	CTH S	LEFT	W2-2R	SIDE ROAD AHEAD	-	30X30	-	6.25	-	1	-	-	-	-	-	-
4-8	330+50	CTH S	RIGHT	R2-1	SPEED LIMIT	45	24X30	6.00	-	1	-	-	-	-	-	-	-
4-9	330+50	CTH S	LEFT	R2-1	SPEED LIMIT	45	24X30	6.00	-	1	-	-	-	-	-	-	-
5-1	334+00	CTH S	RIGHT	W14-3	NO PASSING ZONE	-	48X36	-	5.56	-	1	-	-	-	-	-	-
5-2R	336+34	CTH S	RIGHT	M7-2	ARROW PLAQUE	UP ARROW	-	-	-	-	-	-	1	1	-	-	-
5-3R	336+34	CTH S	RIGHT	D11-10U	ATV/UTV ROUTE W/ SYMBOLS	-	-	-	-	-	-	-	1	-	-	-	5-2R
5-4	336+34	CTH S	RIGHT	M7-2	ARROW PLAQUE	UP ARROW	12X9	0.75	-	1	-	-	-	-	-	-	-
5-5	336+34	CTH S	RIGHT	D11-10	ATV ROUTE W/ SYMBOL	-	24X18	3.00	-	-	-	-	-	-	-	-	5-4
5-6R	336+34	CTH S	LEFT	M7-2	ARROW PLAQUE	UP ARROW	-	-	-	-	-	-	1	1	-	-	-
5-7R	336+34	CTH S	LEFT	D11-10U	ATV/UTV ROUTE W/ SYMBOLS	-	-	-	-	-	-	-	1	-	-	-	5-6R
5-8	336+34	CTH S	LEFT	M7-2	ARROW PLAQUE	UP ARROW	12X9	0.75	-	1	-	-	-	-	-	-	-
5-9	336+34	CTH S	LEFT	D11-10	ATV ROUTE W/ SYMBOL	-	24X18	3.00	-	-	-	-	-	-	-	-	5-8
5-10	339+00	CTH S	LEFT	W14-3	NO PASSING ZONE	-	48X36	-	5.56	-	1	-	-	-	-	-	-
5-11R	344+05	CTH S	RIGHT	W13-1	ADVISORY SPEED	25	-	-	-	-	-	-	1	1	-	-	-
5-12R	344+05	CTH S	RIGHT	W1-3L	ROAD CURVES LEFT	-	-	-	-	-	-	-	1	-	-	-	5-11R
						SHEET TOTALS =		81.54	29.87	9	6	1	29	19	6	4	

PERMANENT SIGNING CONTINUED

SIGN NUMBER	APPROX. STATION	LOCATION	POSITION	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE (IN X IN)	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH 18-FT (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	SIGN MOUNTED ON SAME POST AS
6-1R	348+96	CTH S	LEFT	M7-1	ARROW PLAQUE	UP ARROW	-	-	-	-	-	-	1	1	-	-	-
6-2R	348+96	CTH S	LEFT	D11-1	BIKE ROUTE W/ SYMBOL	-	-	-	-	-	-	-	1	-	-	-	6-1R
6-3	348+96	CTH S	LEFT	M7-1	ARROW PLAQUE	UP ARROW	12X9	0.75	-	1	-	-	-	-	-	-	-
6-4	348+96	CTH S	LEFT	D11-1	BIKE ROUTE W/ SYMBOL	-	24X18	3.00	-	-	-	-	-	-	-	-	6-3
6-5R	351+29	CTH S	RIGHT	W13-1	ADVISORY SPEED	25	-	-	-	-	-	-	1	1	-	-	-
6-6R	351+29	CTH S	RIGHT	W1-6L	LEFT LARGE ARROW	-	-	-	-	-	-	-	1	-	-	-	6-5R
6-7R	351+98	CTH S	RIGHT	W13-1	ADVISORY SPEED	25	-	-	-	-	-	-	1	1	-	-	-
6-8R	351+98	CTH S	RIGHT	W1-6R	RIGHT LARGE ARROW	-	-	-	-	-	-	-	1	-	-	-	6-7R
6-9R	352+30	CTH S	LEFT	W13-1	ADVISORY SPEED	25	-	-	-	-	-	-	1	1	-	-	-
6-10R	352+30	CTH S	LEFT	W1-6R	RIGHT LARGE ARROW	-	-	-	-	-	-	-	1	-	-	-	6-9R
6-11R	352+85	CTH S	LEFT	W13-1	ADVISORY SPEED	25	-	-	-	-	-	-	1	1	-	-	-
6-12R	352+85	CTH S	LEFT	W1-6L	LEFT LARGE ARROW	-	-	-	-	-	-	-	1	-	-	-	6-11R
6-13R	360+10	CTH S	LEFT	M7-1	ARROW PLAQUE	UP ARROW	-	-	-	-	-	-	1	1	-	-	-
6-14R	360+10	CTH S	LEFT	D11-1	BIKE ROUTE W/ SYMBOL	-	-	-	-	-	-	-	1	-	-	-	6-13R
6-15	360+50	CTH S	RIGHT	M7-1	ARROW PLAQUE	UP ARROW	12X9	0.75	-	1	-	-	-	-	-	-	-
6-16	360+50	CTH S	RIGHT	D11-1	BIKE ROUTE W/ SYMBOL	-	24X18	3.00	-	-	-	-	-	-	-	-	6-15
7-1M	362'F'+62	SAWMILL LN	RIGHT	-	ROAD NAME	SAWMILL LN	-	-	-	-	-	-	-	-	1	1	-
7-2R	365+02	CTH S	LEFT	W13-1	ADVISORY SPEED	25	-	-	-	-	-	-	1	1	-	-	-
7-3R	365+02	CTH S	LEFT	W1-3L	ROAD CURVES AHEAD	-	-	-	-	-	-	-	1	-	-	-	7-2R
7-4M	368+39	CTH S	LEFT	-	ROAD NAME	ENGELBRECHT LN	-	-	-	-	-	-	-	-	1	1	-
7-5M	373+95	CTH S	LEFT	-	ATV SPEED LIMIT	35	-	-	-	-	-	-	-	-	1	1	-
8-1R	379+63	CTH S	LEFT	M7-2	ARROW PLAQUE	UP ARROW	-	-	-	-	-	-	1	1	-	-	-
8-2R	379+63	CTH S	LEFT	D11-10U	ATV/UTV ROUTE W/ SYMBOLS	-	-	-	-	-	-	-	1	-	-	-	8-1R
8-3	379+63	CTH S	LEFT	M7-2	ARROW PLAQUE	UP ARROW	12X9	0.75	-	1	-	-	-	-	-	-	-
8-4	379+63	CTH S	LEFT	D11-10	ATV ROUTE W/ SYMBOL	-	24X18	3.00	-	-	-	-	-	-	-	-	8-3
8-5R	382+78	CTH S	RIGHT	M7-2	ARROW PLAQUE	UP ARROW	-	-	-	-	-	-	1	1	-	-	-
8-6R	382+78	CTH S	RIGHT	D11-10U	ATV/UTV ROUTE W/ SYMBOLS	-	-	-	-	-	-	-	1	-	-	-	8-5R
8-7	382+78	CTH S	RIGHT	M7-2	ARROW PLAQUE	UP ARROW	12X9	0.75	-	1	-	-	-	-	-	-	-
8-8	382+78	CTH S	RIGHT	D11-10	ATV ROUTE W/ SYMBOL	-	24X18	3.00	-	-	-	-	-	-	-	-	8-7
8-9M	383+10	CTH S	RIGHT	W13-1	ADVISORY SPEED	35	-	-	-	-	-	-	-	-	1	1	-
8-10M	383+10	CTH S	RIGHT	W1-5L	ROAD SHARP CURVES AHEAD	-	-	-	-	-	-	-	-	-	1	1	8-9M
8-11M	385+11	CTH S	RIGHT	-	ROAD NAME	RUMMELS RD	-	-	-	-	-	-	-	-	1	1	-
8-12R	386'H'+60	RUMMELS RD	RIGHT	R1-1	STOP	-	-	-	-	-	-	-	1	1	-	-	-
8-13R	386+37	CTH S	LEFT	M7-2	ARROW PLAQUE	UP ARROW	-	-	-	-	-	-	1	1	-	-	-
8-14R	386+37	CTH S	LEFT	D11-10U	ATV/UTV ROUTE W/ SYMBOLS	-	-	-	-	-	-	-	1	-	-	-	8-13R
8-15	386+37	CTH S	LEFT	M7-2	ARROW PLAQUE	UP ARROW	12X9	0.75	-	1	-	-	-	-	-	-	-
8-16	386+37	CTH S	LEFT	D11-10	ATV ROUTE W/ SYMBOL	-	24X18	3.00	-	-	-	-	-	-	-	-	8-15
8-17	386'H'+60	RUMMELS RD	LEFT	R1-1	STOP	-	30X30	5.18	-	1	-	-	-	-	-	-	-
						SHEET TOTALS =		23.93	0.00	6	0	0	21	11	6	6	
						PROJECT TOTALS =		105.47	29.87	15	6	1	50	30	12	10	

3

TRAFFIC CONTROL

LOCATION	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (DAY)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (DAY)	643.0900 TRAFFIC CONTROL SIGNS (DAY)	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II (EACH)	643.1050 TRAFFIC CONTROL SIGNS PCMS (DAY)	643.5000 TRAFFIC CONTROL (EACH)	COMMENT
CTH S	-	-	-	-	-	1	
							DETAIL A: CTH K/CTH S INTERSECTION
CTH K W.B.	-	-	190	2	-	-	(1 EA) M1-5A, S; W20-3A
CTH K E.B.	-	-	190	2	-	-	(1 EA) M1-5A, S; W20-3A
CTH S, N.B.	95	190	95	-	-	-	(1) R11-3, 3 MILES
CTH S, N.B.	95	190	95	-	7	-	(1) R11-3, 3 MILES
							DETAIL B: SOUTH PROJECT LIMITS
CTH S, N.B.	-	-	95	-	-	-	(1) W20-3A, CLOSED AHEAD
CTH S, N.B.	-	-	95	-	-	-	(1) W20-3C, 500-FEET
CTH S, N.B.	-	-	95	-	-	-	(1) W20-3D, 1000-FEET
CTH S, S.B.	-	-	95	-	-	-	(1) G20-2A, END ROAD WORK
CTH S, N.B.	190	380	95	-	-	-	(1) R11-4, CLOSED THRU TRAFFIC
							DETAIL C: NORTH PROJECT LIMITS
CTH S, S.B.	190	380	95	-	-	-	(1) R11-4, CLOSED THRU TRAFFIC
CTH S, N.B.	-	-	95	-	-	-	(1) G20-2A, END ROAD WORK
CTH S, S.B.	-	-	95	-	-	-	(1) W20-3D, 1000-FEET
CTH S, S.B.	-	-	95	-	-	-	(1) W20-3C, 500-FEET
CTH S, S.B.	-	-	95	-	-	-	(1) W20-3A, CLOSED AHEAD
							DETAIL D: CTH B/CTH S INTERSCTION
CTH B, E.B.	-	-	190	2	-	-	(1 EA) M1-5A, S; W20-3A
CTH B, W.B.	-	-	190	2	-	-	(1 EA) M1-5A, S; W20-3A
CTH S, S.B.	95	190	95	-	-	-	(1) R11-3, 3 MILES
CTH S, S.B.	95	190	95	-	7	-	(1) R11-3, 3 MILES
							DETAIL E: ALL SIDE ROADS
ALL SIDEROADS	950	1900	475	-	-	-	(1) R11-4, CLOSED THRU TRAFFIC
ALL SIDEROADS	-	-	475	-	-	-	(1) W20-3A, CLOSED AHEAD
TOTALS =	1710	3420	3040	8	14	1	

*CLEARING ON EXISTING CTH S ALIGNMENT IS TO BE COMPLETED UNDER FLAGGING OPERATIONS. REFER TO STANDARD SPECIFICATION 104.6.1.2.2. ALL TRAFFIC CONTROL COVERING SIGNS TYPE II TO BE COMPLETED IN ONE CYCLE, FOR THE DURATION OF NON-CLEARING WORK.

MARKING LINE EPOXY

STATION	LOCATION	DESCRIPTION	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW (LF)	DASHED YELLOW (LF)	SOLID WHITE (LF)
273+50 - 324+00	CTH S, C/L	DOUBLE YELLOW	10100	-	-
324+00 - 334+00	CTH S, C/L	NB PASSING	1000	250	-
334+00 - 339+00	CTH S, C/L	PASSING	-	125	-
339+00 - 349+50	CTH S, C/L	SB PASSING	1050	263	-
349+12 - 406+47.87	CTH S, C/L	DOUBLE YELLOW	-	-	-
273+50 - 288+63	CTH S, LT	WHITE EDGELINES	-	-	1513
289+01 - 296+25	CTH S, LT	WHITE EDGELINES	-	-	724
296+63 - 307+25	CTH S, LT	WHITE EDGELINES	-	-	1062
308+41 - 318+92	CTH S, LT	WHITE EDGELINES	-	-	1051
319+32 - 362+95	CTH S, LT	WHITE EDGELINES	-	-	4363
363+85 - 367+88	CTH S, LT	WHITE EDGELINES	-	-	403
368+33 - 387+50	CTH S, LT	WHITE EDGELINES	-	-	1917
273+50 - 297+73	CTH S, RT	WHITE EDGELINES	-	-	2423
298+17 - 385+51	CTH S, RT	WHITE EDGELINES	-	-	8737
386+81 - 387+50	CTH S, RT	WHITE EDGELINES	-	-	69
		SUBTOTALS=	12150	638	22262
		TOTAL =		35050	

3

LOCATING NO-PASSING ZONES

STATION	LOCATION	648.0100 (MI)
273+50 - 387+50	CTH S	2.16
	TOTAL =	2.16

CONSTRUCTION STAKING

STATION - STATION	LOCATION	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (9513-01-70) (EACH)	650.9920 CONSTRUCTION STAKING SLOPE STAKES (LF)
273+50 - 387+50	CTH S	1	11400
	TOTALS =	1	11400

SAWING ASPHALT

STATION	LOCATION	690.0150 (LF)
273+50	CTH S	20
387+50	CTH S	20
	TOTAL =	40

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
9513-01-00		
FEDERAL PROJECT NUMBER	4.01	6

PLAT OF RIGHT-OF-WAY REQUIRED FOR

CTH K – CTH B

(E FLOWAGE ROAD TO RUMMELS ROAD)

CTH S VILAS COUNTY

CONSTRUCTION PROJECT NUMBER
9513-01-70

CONVENTIONAL SYMBOLS

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

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP

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

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

CURVE DATA ABBREVIATIONS

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

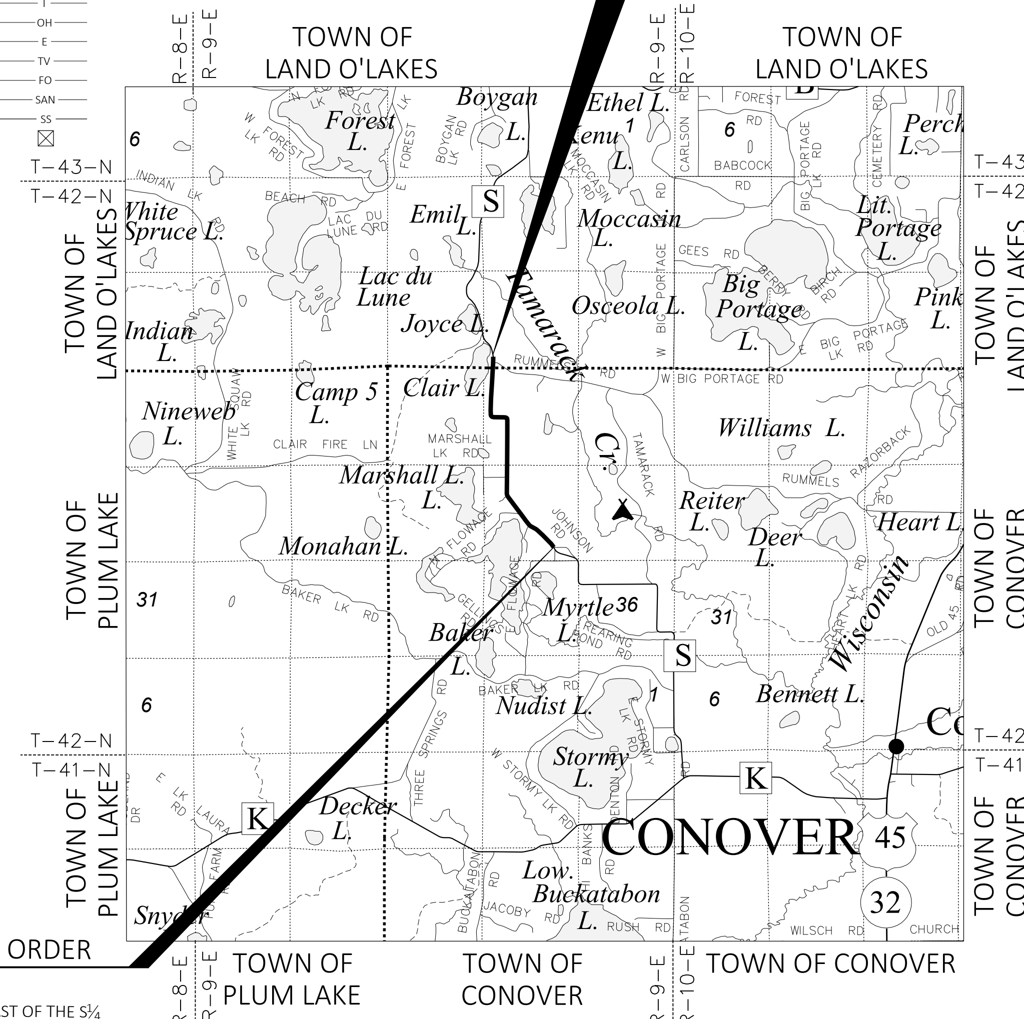
CONVENTIONAL UTILITY SYMBOLS

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

CONVENTIONAL ABBREVIATIONS

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

END RELOCATION ORDER
STA. 387+55.00
456.12' NORTH AND 2023.80' WEST OF THE S¼ CORNER OF SEC.14, TOWN 42 NORTH, RANGE 9 EAST, TOWN OF CONOVER, VILAS COUNTY, WI
Y = 178280.892
X = 477711.956



BEGIN RELOCATION ORDER
STA. 273+50.00
992.96' NORTH AND 1087.56' EAST OF THE S¼ CORNER OF SEC. 26, TOWN 42 NORTH, RANGE 9 EAST, TOWN OF CONOVER, VILAS COUNTY, WI
Y = 168226.792
X = 480895.873

NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, VILAS 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 VILAS COUNTY HIGHWAY DEPARTMENT.

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.

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

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

N

LAYOUT

SCALE 0 — 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 2.160 MI.

REVISION DATE

JEWELL associates engineers, inc.
Engineers - Architects - Surveyors
560 SUNRISE DRIVE
SPRING GREEN, WI 53588
PHONE : 608.588.7484
FAX : 608.588.9322

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

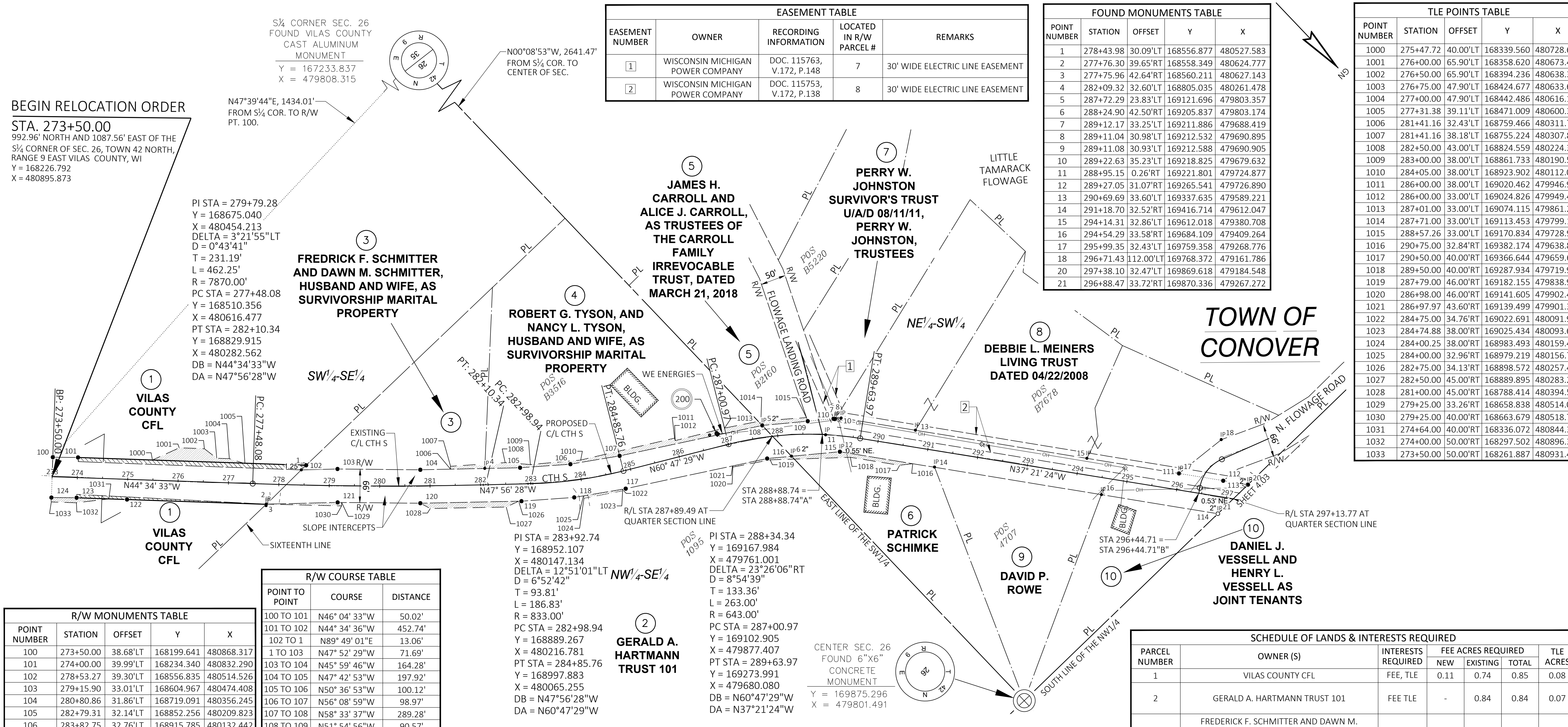
WISCONSIN NOAH E. ANLIKER S-3265 CAZENOVIA WISCONSIN SURVEYOR

DATE: 4-1-24

APPROVED FOR VILAS COUNTY

DATE: 4/8/2024 Troy Schalinske (NAME/TITLE)

E



EASEMENT TABLE				
EASEMENT NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
1	WISCONSIN MICHIGAN POWER COMPANY	DOC. 115763, V.172, P.148	7	30' WIDE ELECTRIC LINE EASEMENT
2	WISCONSIN MICHIGAN POWER COMPANY	DOC. 115753, V.172, P.138	8	30' WIDE ELECTRIC LINE EASEMENT

FOUND MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
1	278+43.98	30.09'LT	168556.877	480527.583
2	277+76.30	39.65'RT	168558.349	480624.777
3	277+75.96	42.64'RT	168560.211	480627.143
4	282+09.32	32.60'LT	168805.035	480261.478
5	287+72.29	23.83'LT	169121.696	479803.357
6	288+24.90	42.50'RT	169205.837	479803.174
7	289+12.17	33.25'LT	169211.886	479688.419
8	289+11.04	30.98'LT	169212.532	479690.895
9	289+11.08	30.93'LT	169212.588	479690.905
10	289+22.63	35.23'LT	169218.825	479679.632
11	288+95.15	0.26'RT	169221.801	479724.877
12	289+27.05	31.07'RT	169265.541	479726.890
13	290+69.69	33.60'LT	169337.635	479589.221
14	291+18.70	32.52'RT	169416.714	479612.047
15	294+14.31	32.86'LT	169612.018	479380.708
16	294+54.29	33.58'RT	169684.109	479409.264
17	295+99.35	32.43'LT	169759.358	479268.776
18	296+71.43	112.00'LT	169768.372	479161.786
20	297+38.10	32.47'LT	169869.618	479184.548
21	296+88.47	33.72'RT	169870.336	479267.272

TLE POINTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
1000	275+47.72	40.00'LT	168339.560	480728.608
1001	276+00.00	65.90'LT	168358.620	480673.465
1002	276+50.00	65.90'LT	168394.236	480638.372
1003	276+75.00	47.90'LT	168424.677	480633.647
1004	277+00.00	47.90'LT	168442.486	480616.100
1005	277+31.38	39.11'LT	168471.009	480600.335
1006	281+41.16	32.43'LT	168759.466	480311.785
1007	281+41.16	38.18'LT	168755.224	480307.895
1008	282+50.00	43.00'LT	168824.559	480224.308
1009	283+00.00	38.00'LT	168861.733	480190.571
1010	284+05.00	38.00'LT	168923.902	480112.061
1011	286+00.00	38.00'LT	169020.462	479946.998
1012	286+00.00	33.00'LT	169024.826	479949.438
1013	287+01.00	33.00'LT	169074.115	479861.277
1014	287+71.00	33.00'LT	169113.453	479799.122
1015	288+57.26	33.00'LT	169170.834	479728.995
1016	290+75.00	32.84'RT	169382.174	479638.818
1017	290+50.00	40.00'RT	169366.644	479659.675
1018	289+50.00	40.00'RT	169287.934	479719.937
1019	287+79.00	46.00'RT	169182.155	479838.917
1020	286+98.00	46.00'RT	169141.605	479902.449
1021	286+97.97	43.60'RT	169139.499	479901.308
1022	284+75.00	34.76'RT	169022.691	480091.968
1023	284+74.88	38.00'RT	169025.434	480093.694
1024	284+00.25	38.00'RT	168983.493	480159.468
1025	284+00.00	32.96'RT	168979.219	480156.782
1026	282+75.00	34.13'RT	168898.572	480257.416
1027	282+50.00	45.00'RT	168889.895	480283.259
1028	281+00.00	45.00'RT	168788.414	480394.572
1029	279+25.00	33.26'RT	168658.838	480514.059
1030	279+25.00	40.00'RT	168663.679	480518.756
1031	274+64.00	40.00'RT	168336.072	480844.353
1032	274+00.00	50.00'RT	168297.502	480896.395
1033	273+50.00	50.00'RT	168261.887	480931.486

R/W MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
100	273+50.00	38.68'LT	168199.641	480868.317
101	274+00.00	39.99'LT	168234.340	480832.290
102	278+53.27	39.30'LT	168556.835	480514.526
103	279+15.90	33.01'LT	168604.967	480474.408
104	280+80.86	31.86'LT	168719.091	480356.245
105	282+79.31	32.14'LT	168852.256	480209.823
106	283+82.75	32.76'LT	168915.785	480132.442
107	284+85.70	30.86'LT	168970.913	480050.249
108	287+72.28	23.70'LT	169121.802	479803.438
109	288+59.53	25.86'LT	169177.668	479732.150
110	289+08.28	32.50'LT	169209.360	479691.709
111	295+99.32	32.34'LT	169759.393	479268.862
112	296+88.34	32.14'LT	169830.274	479215.001
113	297+37.83	32.11'LT	169869.622	479184.998
114	296+88.15	34.19'RT	169870.371	479267.845
115	289+26.67	31.49'RT	169265.544	479727.444
116	287+72.93	42.66'RT	169176.131	479841.540
117	284+81.57	35.26'RT	169026.315	480086.267
118	283+82.09	33.57'RT	168968.837	480172.263
119	282+80.43	34.15'RT	168902.223	480253.401
120	280+80.41	34.44'RT	168767.268	480401.791
121	279+17.01	33.28'RT	168653.267	480519.827
122	275+00.00	40.00'RT	168361.716	480819.088
123	274+00.00	40.00'RT	168290.484	480889.273
124	273+50.00	41.32'RT	168255.794	480925.304

R/W COURSE TABLE		
POINT TO POINT	COURSE	DISTANCE
100 TO 101	N46° 04' 33"W	50.02'
101 TO 102	N44° 34' 36"W	452.74'
102 TO 1	N89° 49' 01"E	13.06'
1 TO 103	N47° 52' 29"W	71.69'
103 TO 104	N45° 59' 46"W	164.28'
104 TO 105	N47° 42' 53"W	197.92'
105 TO 106	N50° 36' 53"W	100.12'
106 TO 107	N56° 08' 59"W	98.97'
107 TO 108	N58° 33' 37"W	289.28'
108 TO 109	N51° 54' 56"W	90.57'
109 TO 110	N51° 54' 56"W	51.38'
110 TO 10	N51° 54' 56"W	15.34'
10 TO 111	N37° 13' 50"W	678.93'
111 TO 112	N37° 13' 50"W	89.02'
112 TO 113	N37° 19' 31"W	49.48'
113 TO 114	N89° 28' 56"E	82.85'
114 TO 115	S37° 13' 50"E	759.64'
115 TO 116	S51° 54' 56"E	144.96'
116 TO 117	S58° 33' 37"E	286.84'
117 TO 118	S56° 08' 59"E	103.55'
118 TO 119	S50° 36' 53"E	104.98'
119 TO 120	S47° 42' 53"E	200.58'
120 TO 121	S45° 59' 46"E	164.10'
121 TO 2	S47° 52' 24"E	141.51'
2 TO 122	S44° 39' 35"E	276.44'
122 TO 123	S44° 34' 33"E	100.00'
123 TO 124	S46° 05' 10"E	50.02'
124 TO 100	S45° 25' 22"W	80.00'

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

EXISTING RIGHT-OF-WAY FOR CTH S BASED ON THE CENTERLINE OF EXISTING PAVEMENT, PREVIOUS CSM AND PLAT SURVEYS AND FOUND MONUMENTATION SHOWN ON SHEETS AND WIS. STATUTE 82.31(2).

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM 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 VILAS COUNTY.

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER (S)	INTERESTS REQUIRED	FEE ACRES REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
1	VILAS COUNTY CFL	FEE, TLE	0.11	0.74	0.85	0.08
2	GERALD A. HARTMANN TRUST 101	FEE TLE	-	0.84	0.84	0.07
3	FREDERICK F. SCHMITTER AND DAWN M. SCHMITTER, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	FEE, TLE	-	0.27	0.27	0.01
4	ROBERT G. TYSON, AND NANCY L. TYSON, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	FEE, TLE	-	0.37	0.37	0.11
5	JAMES H. CARROLL AND ALICE J. CARROLL, AS TRUSTEES OF THE CARROLL FAMILY IRREVOCABLE TRUST, DATED MARCH 21, 2018	FEE, TLE	-	0.06	0.06	0.02
6	PATRICK SCHIMKE	FEE, TLE	-	0.24	0.24	0.04
7	PERRY W. JOHNSTON SURVIVOR'S TRUST U/A/D 08/11/11, PERRY W. JOHNSTON, TRUSTEES	FEE	-	0.01	0.01	-
8	DEBBIE L. MEINERS LIVING TRUST DATED 04/22/2008	FEE	-	0.62	0.62	-
9	DAVID P. ROWE	FEE	-	0.27	0.27	-
10	DANIEL J. VESSELL AND HENRY L. VESSELL AS JOINT TENANTS	FEE	-	0.19	0.19	-
200	WE ENERGIES	TEMPORARY CONSTRUCTION EASEMENT				

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER (S)	INTERESTS REQUIRED	FEE ACRES REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
11	DANIEL J. VESSELL	FEE, TLE	-	0.07	0.07	0.01
12	LAURENCE J. BERGS, A SINGLE PERSON	FEE, TLE	-	0.78	0.78	0.11
13	JAY RICHMAN, A SINGLE MAN	FEE, TLE	-	0.32	0.32	0.05
14	BRYAN A. BETZNER, A SINGLE PERSON	FEE, TLE	-	0.15	0.15	0.02
15	THOMAS C. MADDOCKS AND CATHERINE E. MADDOCKS, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	FEE, TLE	-	0.15	0.15	0.02
16	SUSAN L. HUELS	FEE, TLE	0.21	0.37	0.58	0.14
17	TERRY JO TASCHE DECLARATION OF TRUST, AS TO AN UNDIVIDED 1/3 INTEREST AND CONRAD TASCHE DECLARATION OF TRUST, DATED JANUARY 28, 2000, UNDIVIDED 2/3 INTEREST	FEE, TLE	-	0.52	0.52	0.02
200	WE ENERGIES	TEMPORARY CONSTRUCTION EASEMENT				

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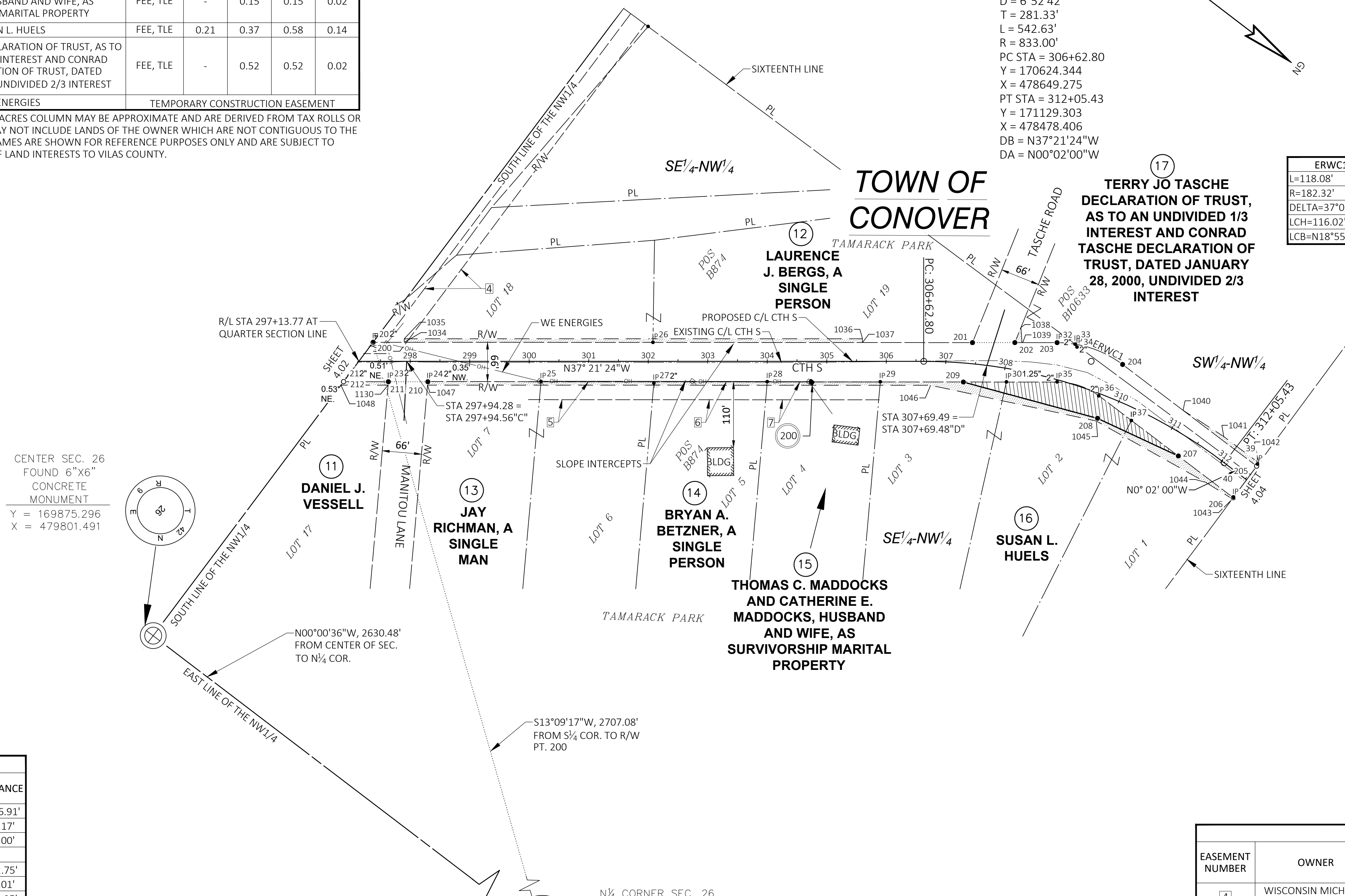
4

PI STA = 309+44.13
Y = 170847.969
X = 478478.569
DELTA = 37°19'24"RT
D = 6°52'42"
T = 281.33'
L = 542.63'
R = 833.00'
PC STA = 306+62.80
Y = 170624.344
X = 478649.275
PT STA = 312+05.43
Y = 171129.303
X = 478478.406
DB = N37°21'24"W
DA = N00°02'00"W

ERWC1
L=118.08'
R=182.32'
DELTA=37°06'25"
LCH=116.02'
LCB=N18°55'16"W



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TLE POINTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
1034	297+90.00	32.09'LT	169911.111	479153.362
1035	297+90.00	38.00'LT	169907.523	479148.661
1036	305+60.00	38.00'LT	170519.576	478681.445
1037	305+60.31	32.08'LT	170523.415	478685.960
1038	308+14.01	71.71'LT	170719.683	478504.986
1039	308+21.36	47.43'LT	170737.626	478523.137
1040	311+01.00	35.00'LT	171020.755	478450.281
1041	311+79.00	35.00'LT	171101.749	478443.858
1042	312+51.91	35.00'LT	171175.770	478443.379
1043	312+53.08	41.24'RT	171176.978	478519.616
1044	312+00.00	45.00'RT	171124.196	478523.425
1045	309+77.00	45.00'RT	170915.960	478552.972
1046	306+75.00	40.00'RT	170657.900	478674.089
1047	298+29.23	40.01'RT	169986.038	479186.870
1048	296+83.80	40.00'RT	169870.436	479275.100
1130	297+62.97	40.00' RT	169933.371	479227.067

R/W MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
200	297+37.83	32.11'LT	169869.622	479184.998
201	307+41.51	35.45'LT	170670.320	478574.458
202	308+08.81	44.99'LT	170726.912	478531.306
203	308+74.09	60.07'LT	170783.369	478488.257
204	309+82.41	59.71'LT	170893.124	478450.634
205	312+52.14	28.52'LT	171175.873	478449.859
206	312+53.02	37.48'RT	171176.918	478515.856
207	311+34.00	34.80'RT	171060.965	478516.176
208	309+77.00	40.00'RT	170914.600	478548.160
209	307+32.19	31.98'RT	170698.408	478636.459
210	298+29.73	34.27'RT	169982.955	479181.998
211	297+63.48	34.23'RT	169930.272	479222.170
212	296+88.15	34.19'RT	169870.371	479267.845

FOUND MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
20	297+38.10	32.47'LT	169869.618	479184.548
21	296+88.47	33.72'RT	169870.336	479267.272
23	297+63.50	33.72'RT	169929.975	479221.754
24	298+29.48	34.02'RT	169982.606	479181.952
25	300+19.84	33.91'RT	170133.852	479066.362
26	302+07.97	32.01'LT	170243.389	478899.812
27	302+09.54	36.59'RT	170286.261	478953.385
28	303+99.97	34.16'RT	170436.157	478835.901
29	305+89.92	34.29'RT	170587.218	478720.754
30	308+06.43	22.47'RT	170755.814	478592.309
32	308+74.12	60.02'LT	170783.419	478488.288
33	309+01.90	65.69'LT	170809.032	478471.910
34	309+06.04	61.94'LT	170814.535	478473.825
35	308+90.68	3.62'RT	170823.363	478540.710
36	309+64.95	3.98'RT	170893.306	478516.825
37	310+32.61	20.66'RT	170962.002	478516.583
39	312+52.12	28.88'LT	171175.980	478449.500
40	312+53.12	37.02'RT	171177.015	478515.398

R/W COURSE TABLE		
POINT TO POINT	COURSE	DISTANCE
200 TO 201	N37° 19' 33"W	1006.91'
201 TO 202	N37° 19' 33"W	71.17'
202 TO 203	N37° 19' 33"W	71.00'
203 TO 204	(SEE ERWC1)	
204 TO 205	N00° 09' 26"W	282.75'
205 TO 206	N89° 05' 33"E	66.01'
206 TO 207	S00° 09' 29"E	115.95'
207 TO 208	S12° 19' 36"E	149.82'
208 TO 209	S22° 13' 00"E	233.53'
209 TO 210	S37° 19' 33"E	899.71'
210 TO 211	S37° 19' 33"E	66.25'
211 TO 212	S37° 19' 33"E	75.33'
212 TO 200	S89° 28' 56"W	82.85'

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

EXISTING RIGHT-OF-WAY FOR CTH S BASED ON THE CENTERLINE OF EXISTING PAVEMENT, PREVIOUS CSM AND PLAT SURVEYS AND FOUND MONUMENTATION SHOWN ON SHEETS AND WIS. STATUTE 82.31(2).

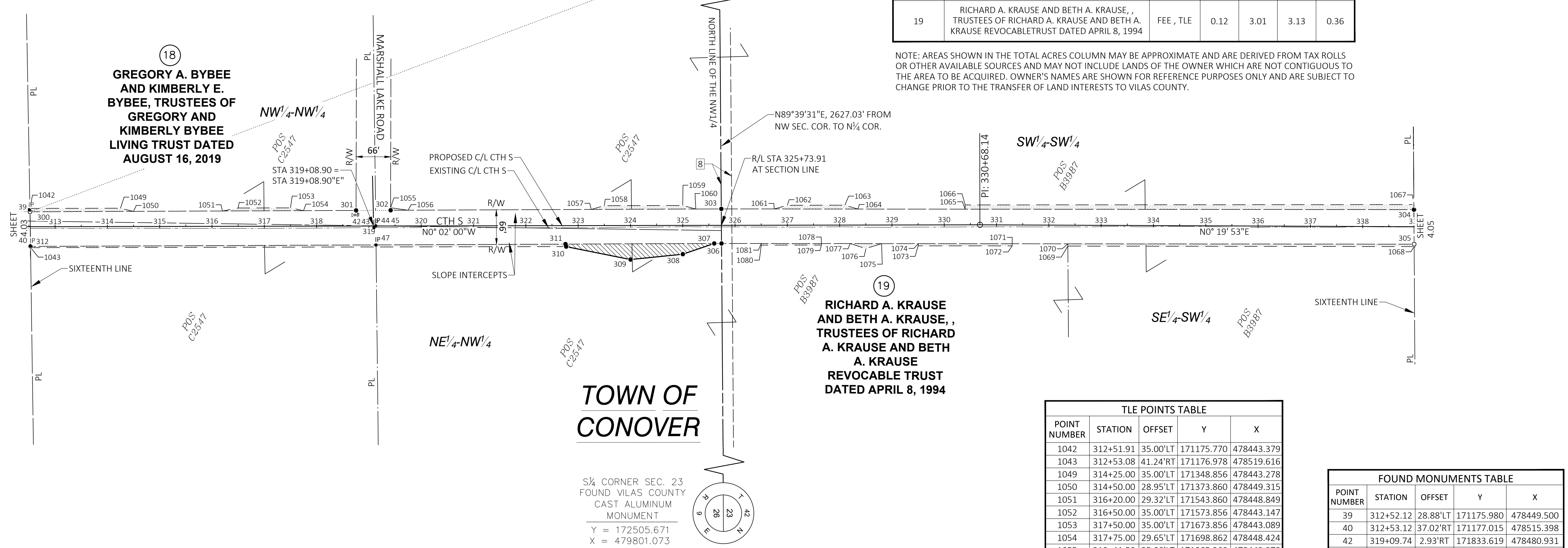
EASEMENT TABLE				
EASEMENT NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
4	WISCONSIN MICHIGAN POWER COMPANY	DOC. 115753, V.172, P.142	12	30' WIDE ELECTRIC LINE EASEMENT
5	WISCONSIN ELECTRIC POWER COMPANY	DOC. 234911, V.483, P. 583	13,14,15	30' WIDE ELECTRIC LINE EASEMENT
6	WISCONSIN ELECTRIC POWER COMPANY	DOC. 234910, V.483, P. 580	13,14,15	30' WIDE ELECTRIC LINE EASEMENT
7	WISCONSIN ELECTRIC POWER COMPANY	DOC. 234464, V.482, P. 413	13,14,15	30' WIDE ELECTRIC LINE EASEMENT

REVISION DATE	DATE 4/1/2024	SCALE, FEET 0 50 100	HWY: CTH S	STATE R/W PROJECT NUMBER 9513-01-00	PLAT SHEET 4.03	
			COUNTY: VILAS	CONSTRUCTION PROJECT NUMBER 9513-01-70	PS&E SHEET	E

EASEMENT TABLE				
EASEMENT NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
8	WISCONSIN MICHIGAN POWER COMPANY	DOC. 115762, V.172, P. 147	19	30' WIDE ELECTRIC LINE EASEMENT

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER (S)	INTERESTS REQUIRED	FEE ACRES REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
18	GREGORY A. BYBEE AND KIMBERLY E. BYBEE, TRUSTEES OF GREGORY AND KIMBERLY BYBEE LIVING TRUST DATED AUGUST 16, 2019	FEE, TLE	-	1.00	1.00	0.09
19	RICHARD A. KRAUSE AND BETH A. KRAUSE, , TRUSTEES OF RICHARD A. KRAUSE AND BETH A. KRAUSE REVOCABLETRUST DATED APRIL 8, 1994	FEE , TLE	0.12	3.01	3.13	0.36

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM 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 VILAS COUNTY.



R/W MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
300	312+52.01	28.52'LT	171175.873	478449.859
301	318+75.48	29.87'LT	171799.340	478448.148
302	319+41.48	30.01'LT	171865.341	478447.967
303	325+73.85	31.38'LT	172497.705	478446.232
304	338+97.72	32.56'LT	173821.773	478449.563
305	338+98.45	33.44'RT	173822.114	478515.563
306	325+73.99	34.62'RT	172497.886	478512.231
307	325+60.00	34.65'RT	172483.897	478512.270
308	325+00.00	55.00'RT	172423.909	478532.653
309	324+00.00	65.00'RT	172323.914	478542.711
310	322+77.00	40.00'RT	172200.904	478517.783
311	322+75.81	35.27'RT	172199.710	478513.050
312	312+53.02	37.48'RT	171176.918	478515.856

TLE POINTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
1042	312+51.91	35.00'LT	171175.770	478443.379
1043	312+53.08	41.24'RT	171176.978	478519.616
1049	314+25.00	35.00'LT	171348.856	478443.278
1050	314+50.00	28.95'LT	171373.860	478449.315
1051	316+20.00	29.32'LT	171543.860	478448.849
1052	316+50.00	35.00'LT	171573.856	478443.147
1053	317+50.00	35.00'LT	171673.856	478443.089
1054	317+75.00	29.65'LT	171698.862	478448.424
1055	319+41.50	35.00'LT	171865.360	478442.978
1056	319+75.00	30.08'LT	171898.859	478447.875
1057	323+25.00	30.84'LT	172248.859	478446.915
1058	323+50.00	38.00'LT	172273.854	478439.740
1059	325+00.00	38.00'LT	172423.854	478439.653
1060	325+25.00	31.27'LT	172448.858	478446.366
1061	326+75.00	31.07'LT	172598.858	478446.486
1062	327+00.00	38.00'LT	172623.854	478439.537
1063	328+10.00	38.00'LT	172733.854	478439.473
1064	328+35.00	30.57'LT	172758.859	478446.889
1065	330+40.00	29.93'LT	172963.859	478447.404
1066	330+40.00	38.00'LT	172963.859	478439.339
1067	338+97.62	42.23'LT	173821.723	478439.889
1068	338+98.50	38.10'RT	173822.139	478520.223
1069	332+36.44	40.00'RT	173160.081	478518.296
1070	332+36.41	35.60'RT	173160.081	478513.898
1071	331+30.00	36.22'RT	173053.666	478513.898
1072	331+30.00	40.00'RT	173053.644	478517.680
1073	329+50.00	40.00'RT	172873.900	478517.392
1074	329+50.00	35.79'RT	172873.900	478513.178
1075	328+80.00	35.57'RT	172803.897	478513.001
1076	328+50.00	45.00'RT	172773.903	478522.450
1077	328+20.00	35.38'RT	172743.897	478512.850
1078	327+65.00	35.21'RT	172688.899	478512.712
1079	327+65.00	38.00'RT	172688.899	478515.499
1080	326+50.00	38.00'RT	172573.899	478515.566
1081	326+50.00	34.86'RT	172573.900	478512.423

FOUND MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
39	312+52.12	28.88'LT	171175.980	478449.500
40	312+53.12	37.02'RT	171177.015	478515.398
42	319+09.74	2.93'RT	171833.619	478480.931
44	319+13.11	0.35'LT	171836.990	478477.646
46	319+13.45	36.15'RT	171837.346	478514.146
48	338+97.79	32.44'LT	173821.843	478449.679

R/W COURSE TABLE		
POINT TO POINT	COURSE	DISTANCE
300 TO 301	N00° 09' 26"W	623.47'
301 TO 302	N00° 09' 26"W	66.00'
302 TO 303	N00° 09' 26"W	632.37'
303 TO 304	N00° 08' 39"E	1324.07'
304 TO 305	N89° 42' 13"E	66.00'
305 TO 306	S00° 08' 39"W	1324.23'
306 TO 307	S00° 09' 26"E	13.99'
307 TO 308	S18° 46' 02"E	63.36'
308 TO 309	S05° 44' 38"E	100.50'
309 TO 310	S11° 27' 22"W	125.51'
310 TO 311	S75° 50' 07"W	4.88'
311 TO 312	S00° 09' 26"E	1022.80'
312 TO 300	S89° 05' 33"W	66.01'

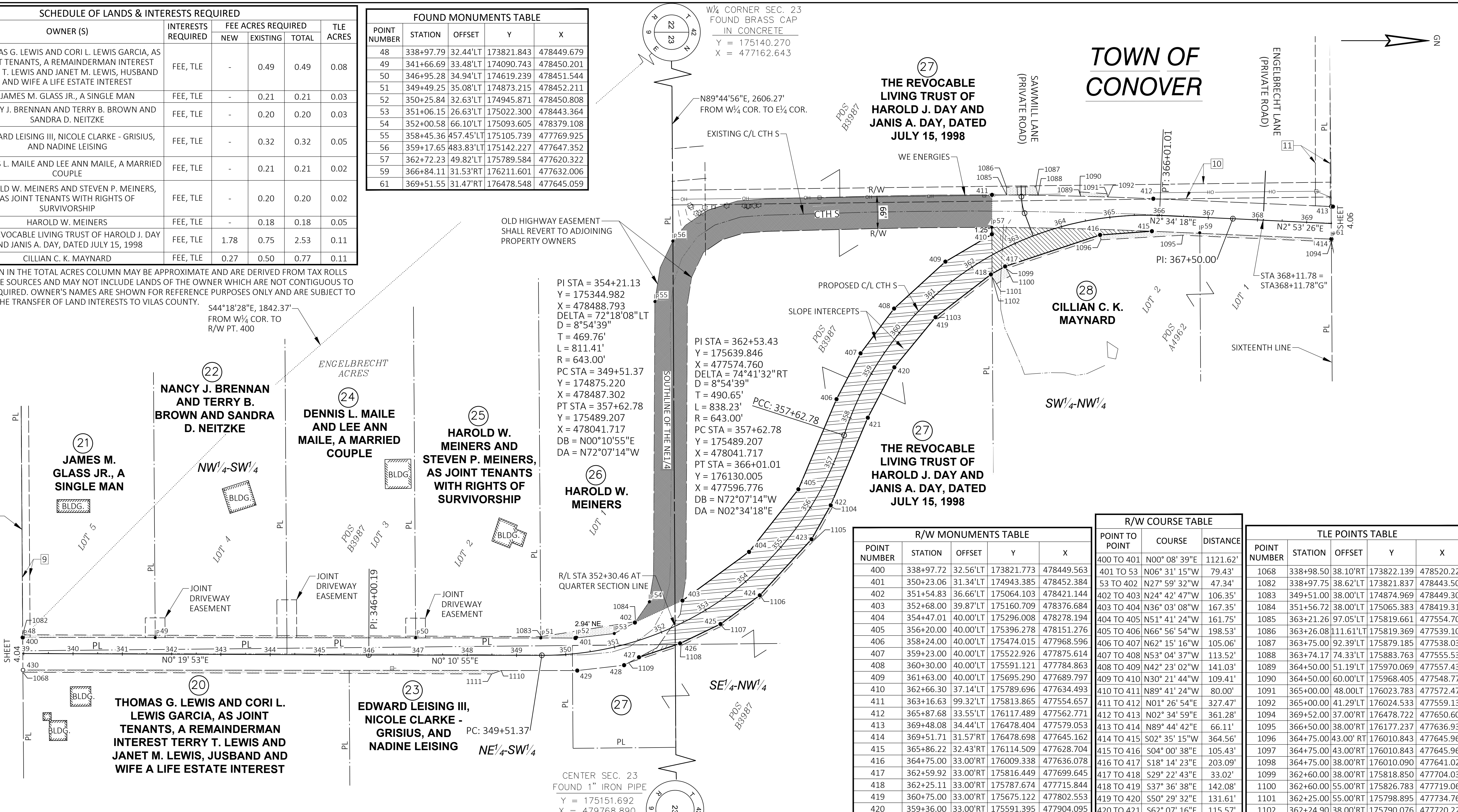
NOTE: EXISTING C/L OF CTH S BASED ON CENTERLINE OF EXISTING PAVEMENT.

EXISTING RIGHT-OF-WAY FOR CTH S BASED ON THE CENTERLINE OF EXISTING PAVEMENT, PREVIOUS CSM AND PLAT SURVEYS AND FOUND MONUMENTATION SHOWN ON SHEETS AND WIS. STATUTE 82.31(2).

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER (S)	INTERESTS REQUIRED	FEE ACRES REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
20	THOMAS G. LEWIS AND CORI L. LEWIS GARCIA, AS JOINT TENANTS, A REMAINDERMAN INTEREST TERRY T. LEWIS AND JANET M. LEWIS, HUSBAND AND WIFE A LIFE ESTATE INTEREST	FEE, TLE	-	0.49	0.49	0.08
21	JAMES M. GLASS JR., A SINGLE MAN	FEE, TLE	-	0.21	0.21	0.03
22	NANCY J. BRENNAN AND TERRY B. BROWN AND SANDRA D. NEITZKE	FEE, TLE	-	0.20	0.20	0.03
23	EDWARD LEISING III, NICOLE CLARKE - GRISIUS, AND NADINE LEISING	FEE, TLE	-	0.32	0.32	0.05
24	DENNIS L. MAILE AND LEE ANN MAILE, A MARRIED COUPLE	FEE, TLE	-	0.21	0.21	0.02
25	HAROLD W. MEINERS AND STEVEN P. MEINERS, AS JOINT TENANTS WITH RIGHTS OF SURVIVORSHIP	FEE, TLE	-	0.20	0.20	0.02
26	HAROLD W. MEINERS	FEE, TLE	-	0.18	0.18	0.05
27	THE REVOCABLE LIVING TRUST OF HAROLD J. DAY AND JANIS A. DAY, DATED JULY 15, 1998	FEE, TLE	1.78	0.75	2.53	0.11
28	CILLIAN C. K. MAYNARD	FEE, TLE	0.27	0.50	0.77	0.11

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM 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 VILAS COUNTY.

FOUND MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
48	338+97.79	32.44'LT	173821.843	478449.679
49	341+66.69	33.48'LT	174090.743	478450.201
50	346+95.28	34.94'LT	174619.239	478451.544
51	349+49.25	35.08'LT	174873.215	478452.211
52	350+25.84	32.63'LT	174945.871	478450.808
53	351+06.15	26.63'LT	175022.300	478443.364
54	352+00.58	66.10'LT	175093.605	478379.108
55	358+45.36	457.45'LT	175105.739	477769.925
56	359+17.65	483.83'LT	175142.227	477647.352
57	362+72.23	49.82'LT	175789.584	477620.322
59	366+84.11	31.53'RT	176211.601	477632.006
61	369+51.55	31.47'RT	176478.548	477645.059



EASEMENT TABLE				
EASEMENT NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
9	WISCONSIN ELECTRIC POWER COMPANY	DOC. 261819, V.556, P.585	21	15' WIDE ELECTRIC LINE EASEMENT
10	WISCONSIN MICHIGAN POWER COMPANY	DOC. 115765, V.172, P. 150	27, 28	30' WIDE ELECTRIC LINE EASEMENT
11	WISCONSIN MICHIGAN POWER COMPANY	DOC. 114801, V.169, P. 576	27	30' WIDE ELECTRIC LINE EASEMENT

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

EXISTING RIGHT-OF-WAY FOR CTH S BASED ON THE CENTERLINE OF EXISTING PAVEMENT, PREVIOUS CSM AND PLAT SURVEYS AND FOUND MONUMENTATION SHOWN ON SHEETS AND WIS. STATUTE 82.31(2).

R/W MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
400	338+97.72	32.56'LT	173821.773	478449.563
401	350+23.06	31.34'LT	174943.385	478452.384
402	351+54.83	36.66'LT	175064.103	478421.144
403	352+68.00	39.87'LT	175160.709	478376.684
404	354+47.01	40.00'LT	175296.008	478278.194
405	356+20.00	40.00'LT	175396.278	478151.276
406	358+24.00	40.00'LT	175474.015	477968.596
407	359+23.00	40.00'LT	175522.926	477875.614
408	360+30.00	40.00'LT	175591.121	477784.863
409	361+63.00	40.00'LT	175695.290	477689.797
410	362+66.30	37.14'LT	175789.696	477634.493
411	363+16.63	99.32'LT	175813.865	477554.657
412	365+87.68	33.55'LT	176117.489	477562.771
413	369+48.08	34.44'LT	176478.404	477579.053
414	369+51.71	31.57'RT	176478.698	477645.162
415	365+86.22	32.43'RT	176114.509	477628.704
416	364+75.00	33.00'RT	176009.338	477636.078
417	362+59.92	33.00'RT	175816.449	477699.645
418	362+25.11	33.00'RT	175787.674	477715.844
419	360+75.00	33.00'RT	175675.122	477802.553
420	359+36.00	33.00'RT	175591.395	477904.095
421	358+14.00	33.00'RT	175537.355	478006.250
422	356+25.00	33.00'RT	175461.767	478183.906
423	355+50.26	38.53'RT	175422.864	478252.709
424	354+04.03	40.00'RT	175317.685	478366.335
425	353+11.08	40.00'RT	175237.886	478424.339
426	352+25.08	36.00'RT	175155.678	478463.603
427	351+41.61	33.00'RT	175072.301	478491.558
428	351+10.04	40.46'RT	175042.098	478507.588
429	350+19.74	34.69'RT	174947.041	478518.394
430	338+98.47	33.44'RT	173822.140	478515.563

R/W COURSE TABLE		
POINT TO POINT	COURSE	DISTANCE
400 TO 401	N00° 08' 39"E	1121.62'
401 TO 53	N06° 31' 15"W	79.43'
53 TO 402	N27° 59' 32"W	47.34'
402 TO 403	N24° 42' 47"W	106.35'
403 TO 404	N36° 03' 08"W	167.35'
404 TO 405	N51° 41' 24"W	161.75'
405 TO 406	N66° 56' 54"W	198.53'
406 TO 407	N62° 15' 16"W	105.06'
407 TO 408	N53° 04' 37"W	113.52'
408 TO 409	N42° 23' 02"W	141.03'
409 TO 410	N30° 21' 44"W	109.41'
410 TO 411	N89° 41' 24"W	80.00'
411 TO 412	N01° 26' 54"E	327.47'
412 TO 413	N02° 34' 59"E	361.28'
413 TO 414	N89° 44' 42"E	66.11'
414 TO 415	S02° 35' 15"W	364.56'
415 TO 416	S04° 00' 38"E	105.43'
416 TO 417	S18° 14' 23"E	203.09'
417 TO 418	S29° 22' 43"E	33.02'
418 TO 419	S37° 36' 38"E	142.08'
419 TO 420	S50° 29' 32"E	131.61'
420 TO 421	S62° 07' 16"E	115.57'
421 TO 422	S66° 57' 05"E	193.07'
422 TO 423	S60° 30' 56"E	79.04'
423 TO 424	S47° 12' 39"E	154.83'
424 TO 425	S36° 00' 44"E	98.65'
425 TO 426	S25° 31' 49"E	91.10'
426 TO 427	S18° 32' 06"E	87.94'
427 TO 428	S27° 57' 24"E	34.19'
428 TO 429	S06° 29' 08"E	95.67'
429 TO 430	S00° 08' 39"W	1124.93'
430 TO 400	S89° 42' 13"W	66.00'

TLE POINTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
1068	338+98.50	38.10'RT	173822.139	478520.223
1082	338+97.75	38.62'LT	173821.837	478443.504
1083	349+51.00	38.00'LT	174874.969	478449.300
1084	351+56.72	38.00'LT	175065.383	478419.314
1085	363+21.26	97.05'LT	175819.661	477554.707
1086	363+26.08	111.61'LT	175819.369	477539.105
1087	363+75.00	92.39'LT	175879.185	477538.032
1088	363+74.17	74.33'LT	175883.763	477555.532
1089	364+50.00	51.19'LT	175970.069	477557.431
1090	364+50.00	60.00'LT	175968.405	477548.775
1091	365+00.00	48.00LT	176023.783	477572.473
1092	365+00.00	41.29'LT	176024.533	477559.139
1094	369+52.00	37.00'RT	176478.722	477650.601
1095	366+50.00	38.00'RT	176177.237	477636.936
1096	364+75.00	43.00' RT	176010.843	477645.964
1097	364+75.00	43.00'RT	176010.843	477645.964
1098	364+75.00	38.00'RT	176010.090	477641.021
1099	362+60.00	38.00'RT	175818.850	477704.030
1100	362+60.00	55.00'RT	175826.783	477719.066
1101	362+25.00	55.00'RT	175798.895	477734.763
1102	362+24.90	38.00'RT	175790.076	477720.229
1103	360+75.00	38.00'RT	175678.614	477806.132
1104	356+23.59	38.87'RT	175466.090	478188.145
1105	355+50.26	43.53'RT	175426.866	478255.707
1106	354+04.00	45.00'RT	175320.885	478370.177
1107	353+11.00	45.00'RT	175240.453	478428.630
1108	352+24.89	41.00'RT	175157.549	478468.240
1109	351+19.60	38.00'RT	175051.321	478502.685
1110	348+69.11	30.97'RT	174792.858	478518.006
1111	348+49.65	38.00'RT	174773.378	478524.978

REVISION DATE

DATE 4/1/2024

SCALE, FEET 0 50 100

HWY: CTH S
COUNTY: VILAS

STATE R/W PROJECT NUMBER 9513-01-00
CONSTRUCTION PROJECT NUMBER 9513-01-70

PLAT SHEET 4.05
PS&E SHEET

E

FILE NAME : W11665 CTH S VILAS CO_PLAT.DWG
LAYOUT NAME - 4.05 RW PLAT
PLOT DATE : 4/1/2024 1:20 PM PLOT BY : TIM VELTE PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 75

EASEMENT TABLE				
EASEMENT NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL #	REMARKS
12	WISCONSIN MICHIGAN POWER COMPANY	DOC. 114802, V.169, P.577	29, 31, 33, 35	30' WIDE ELECTRIC LINE EASEMENT
13	WISCONSIN ELECTRIC POWER COMPANY	DOC. 357055, V.895, P. 379	33	15' WIDE ELECTRIC LINE EASEMENT
14	WISCONSIN MICHIGAN POWER COMPANY	DOC. 114804, V.169, P. 579	35	30' WIDE ELECTRIC LINE EASEMENT

TLE POINTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
1094	369+52.00	37.00'RT	176478.722	477650.601
1117	387+55.00	35.00'RT	178278.881	477746.898
1118	386+69.82	51.00'RT	178192.927	477757.980
1119	385+87.05	239.16'RT	178099.486	477941.074
1120	385+81.14	237.31'RT	178093.685	477938.893
1121	385+86.18	165.36'RT	178102.849	477867.352
1122	385+11.51	38.00'RT	178035.621	477735.910

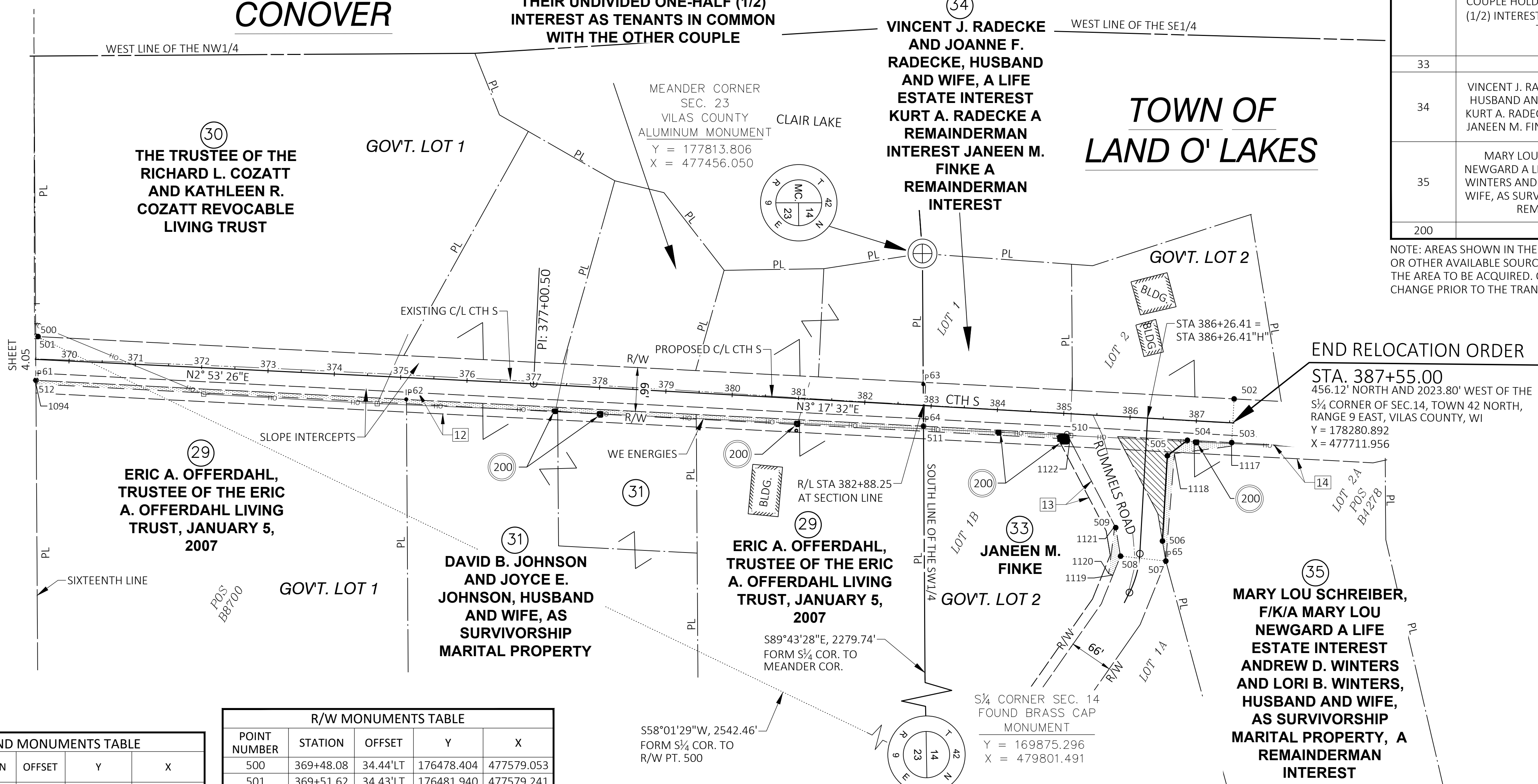
GN

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER (S)	INTERESTS REQUIRED	FEE ACRES REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
29	ERIC A. OFFERDAHL, TRUSTEE OF THE ERIC A. OFFERDAHL LIVING TRUST, JANUARY 5, 2007	FEE, TLE	-	0.96	0.96	0.14
30	THE TRUSTEE OF THE RICHARD L. COZATT AND KATHLEEN R. COZATT REVOCABLE LIVING TRUST	FEE, TLE	-	0.40	0.40	-
31	DAVID B. JOHNSON AND JOYCE E. JOHNSON, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	FEE, TLE	-	0.51	0.51	0.07
32	SUSAN JOHNSON HIPP AND CARL P. HIPP, HUSBAND AND WIFE, AS JOINT TENANTS AS TO AN UNDIVIDED ONE-HALF (1/2) INTEREST; AND BARBARA ANN JOHNSON TO AN UNDIVIDED ONE-HALF (1/2) INTEREST; WITH THE ONE COUPLE HOLDING THEIR UNDIVIDED ONE-HALF (1/2) INTEREST AS TENANTS IN COMMON WITH THE OTHER COUPLE	FEE, TLE	-	0.14	0.14	-
33	JANEEN M. FINKE	FEE, TLE	-	0.19	0.19	0.05
34	VINCENT J. RADECKE AND JOANNE F. RADECKE, HUSBAND AND WIFE, A LIFE ESTATE INTEREST KURT A. RADECKE A REMAINDERMAN INTEREST JANEEN M. FINKE A REMAINDERMAN INTEREST	FEE, TLE	-	0.18	0.18	-
35	MARY LOU SCHREIBER, F/K/A MARY LOU NEWGARD A LIFE ESTATE INTEREST ANDREW D. WINTERS AND LORI B. WINTERS, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY, A REMAINDERMAN INTEREST	FEE, TLE	0.12	0.34	0.46	0.05
200	WE ENERGIES	TEMPORARY CONSTRUCTION EASEMENT				

NOTE: AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM 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 VILAS COUNTY.

4

4



R/W COURSE TABLE		
POINT TO POINT	COURSE	DISTANCE
500 TO 501	N03° 02' 36"E	3.54'
501 TO 502	N03° 04' 08"E	1803.53'
502 TO 503	S86° 47' 01"E	66.00'
503 TO 504	S03° 08' 33"W	66.82'
504 TO 505	S37° 36' 50"E	38.17'
505 TO 506	S86° 37' 33"E	128.79'
506 TO 507	N80° 31' 23"E	30.59'
507 TO 508	S06° 17' 36"W	68.58'
508 TO 509	S80° 31' 23"W	43.57'
509 TO 510	S62° 34' 21"W	159.43'
510 TO 511	S03° 08' 33"W	216.17'
511 TO 512	S03° 02' 36"W	1338.25'
512 TO 500	S89° 44' 42"W	66.11'

FOUND MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
61	369+51.55	31.47'RT	176478.548	477645.059
62	375+10.12	32.93'RT	177036.333	477674.683
63	382+86.46	32.10'LT	177814.972	477653.003
64	382+90.12	31.02'RT	177814.993	477716.228
65	386+65.57	213.25'RT	178179.360	477919.713

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

EXISTING RIGHT-OF-WAY FOR CTH S BASED ON THE CENTERLINE OF EXISTING PAVEMENT, PREVIOUS CSM AND PLAT SURVEYS AND FOUND MONUMENTATION SHOWN ON SHEETS AND WIS. STATUTE 82.31(2).

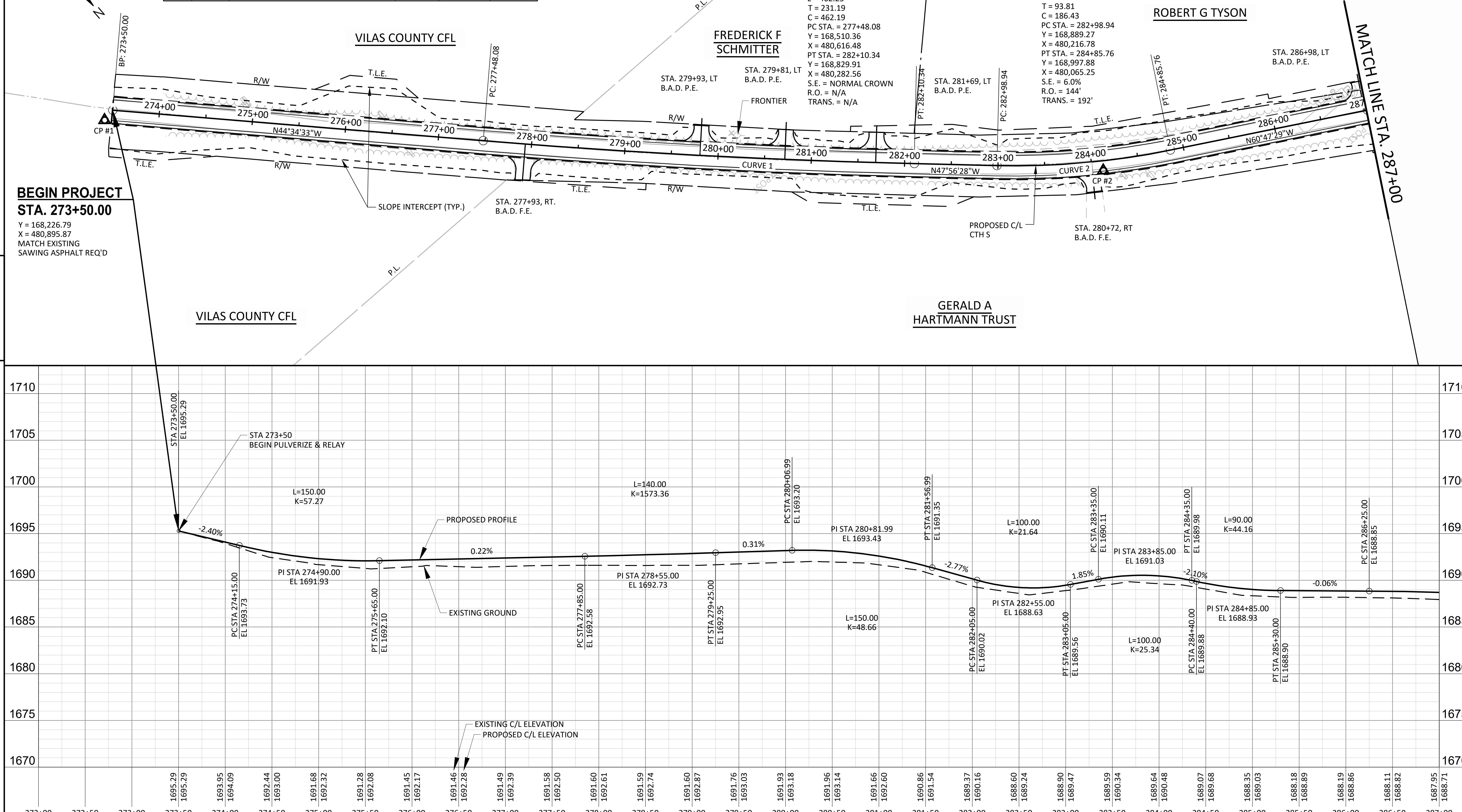
R/W MONUMENTS TABLE				
POINT NUMBER	STATION	OFFSET	Y	X
500	369+48.08	34.44'LT	176478.404	477579.053
501	369+51.62	34.43'LT	176481.940	477579.241
502	387+54.91	36.22'LT	178282.883	477675.795
503	387+55.00	29.78'RT	178279.180	477741.691
504	386+88.18	29.96'RT	178212.461	477738.028
505	386+59.33	54.95'RT	178182.227	477761.323
506	386+59.15	183.74'RT	178174.647	477889.892
507	386+65.91	213.58'RT	178179.683	477920.062
508	385+97.42	209.98'RT	178111.514	477912.545
509	385+87.79	167.49'RT	178104.340	477869.569
510	385+06.35	30.43'RT	178030.903	477728.060
511	382+90.18	31.00'RT	177815.058	477716.210
512	369+51.71	31.57'RT	176478.698	477645.162

REVISION DATE	DATE 4/1/2024	SCALE, FEET 0 50 100	HWY: CTH S	STATE R/W PROJECT NUMBER 9513-01-00	PLAT SHEET 4.06	E
			COUNTY: VILAS	CONSTRUCTION PROJECT NUMBER 9513-01-70	PS&E SHEET 43	

FILE NAME : W11665 CTH S VILAS CO_PLAT.DWG
LAYOUT NAME - 4.06 RW PLAT
PLOT DATE : 4/1/2024 1:20 PM
PLOT BY : TIM VELTE
PLOT NAME :
PLOT SCALE :
WISDOT/CADDS SHEET 75

CONTROL POINTS

NO.	STA.	DESCRIPTION	Y	X	ELEV.
1	273+42	CP/CGSS, 11.3' RT.	168,229.14	480,909.47	1695.56
2	284+12	CP/CGSS, 10.4' RT.	168,967.67	480,133.93	1689.76

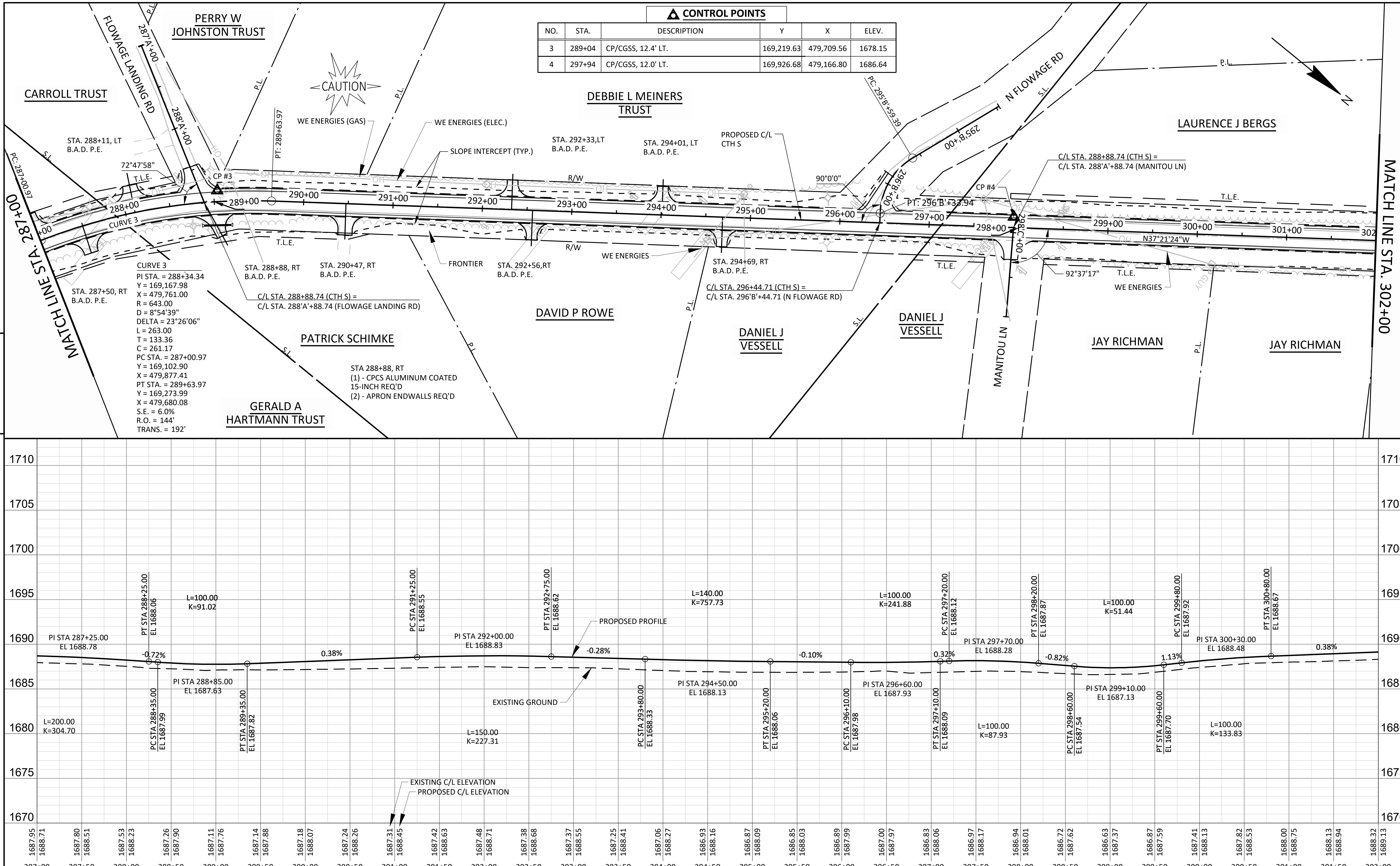


PROJECT NO: 9513-01-70 | HWY: CTH S | COUNTY: VILAS | PLAN AND PROFILE: CTH S | SHEET 44 | E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\PLAN & PROFILE SHEETS\W11665_PLAN AND PROFILE.DWG PLOT DATE : 8/1/2024 2:50:01 PM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN:100 FT LAYOUT : 5.0 PLAN AND PROFILE

CONTROL POINTS

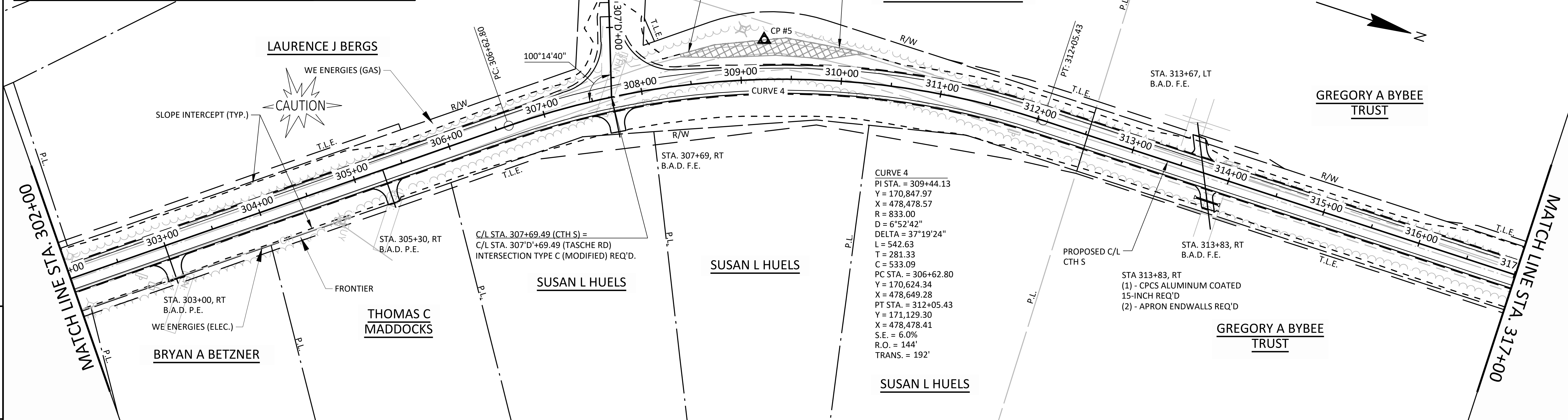
NO.	STA.	DESCRIPTION	Y	X	ELEV.
3	289+04	CP/CGSS, 12.4' LT.	169,219.63	479,709.56	1678.15
4	297+94	CP/CGSS, 12.0' LT.	169,926.68	479,166.80	1686.64

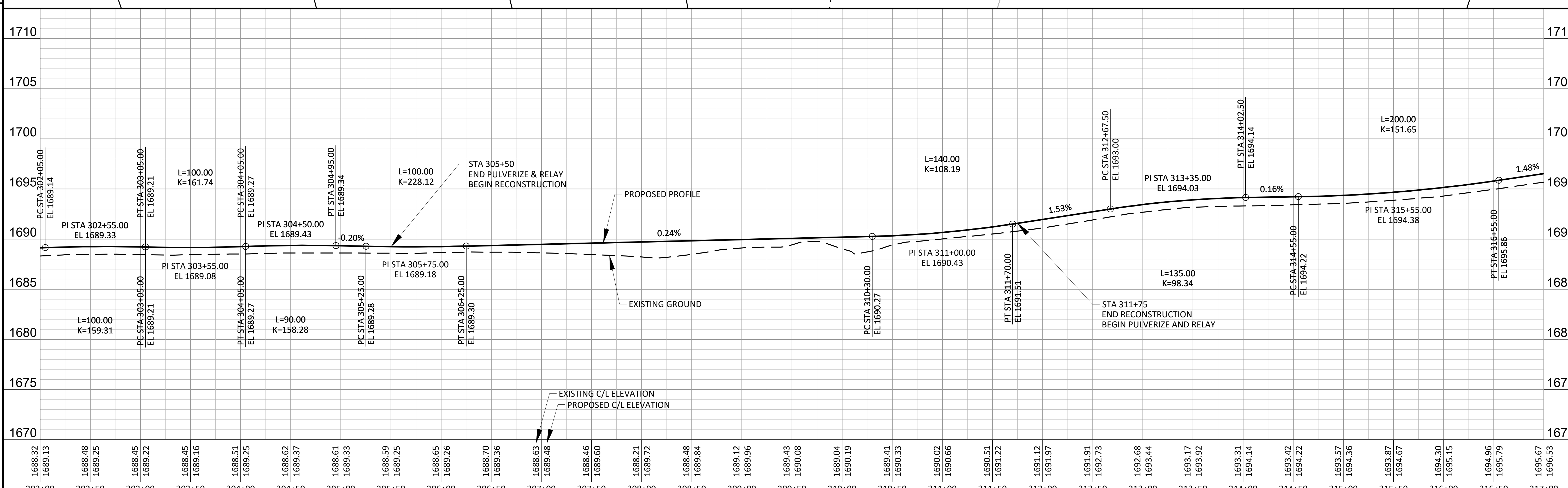


PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PLAN AND PROFILE: CTH S	SHEET 45	E

CONTROL POINTS

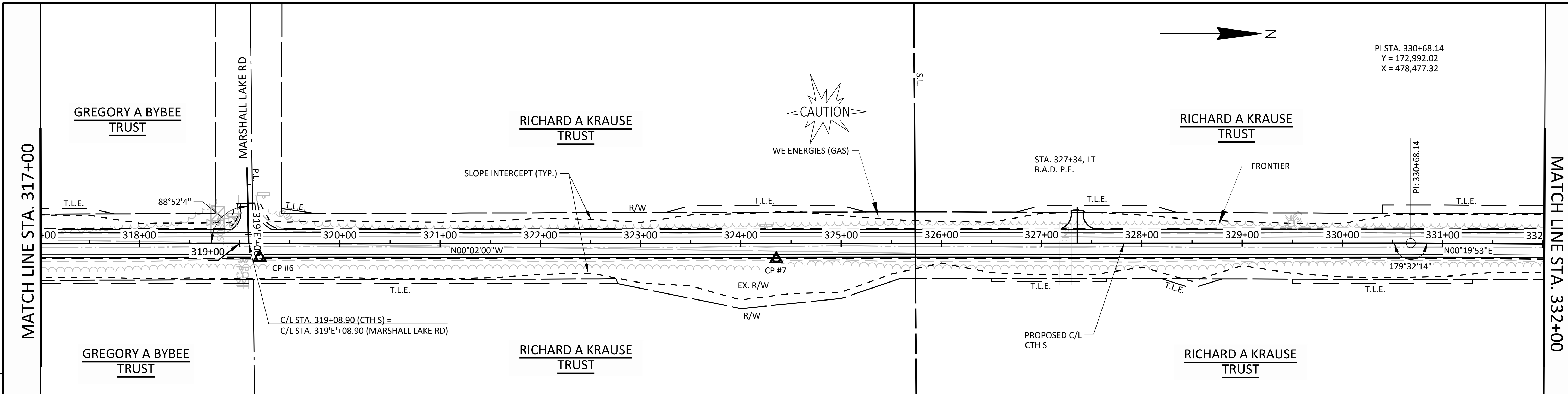
NO.	STA.	DESCRIPTION	Y	X	ELEV.
5	309+23	CP/CGSS, 41.9' LT.	170,839.87	478,488.07	1689.39





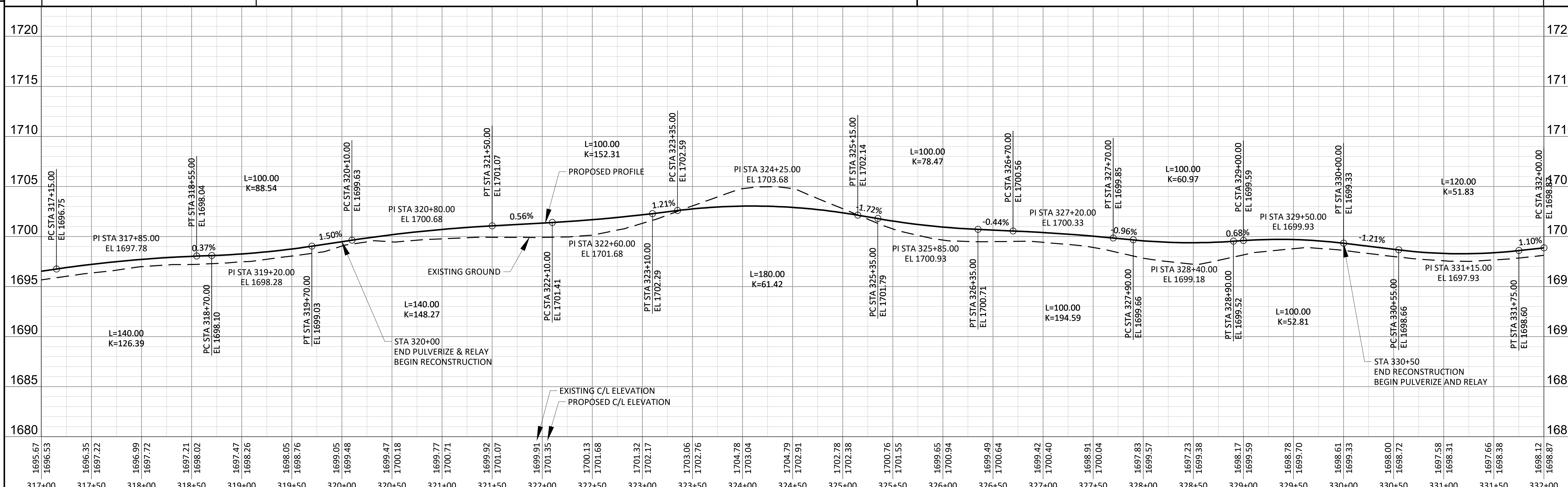
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PLAN AND PROFILE: CTH S	SHEET 46	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\PLAN & PROFILE SHEETS\W11665_PLAN AND PROFILE.DWG PLOT DATE : 8/1/2024 2:50:09 PM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN:100 FT LAYOUT : 5.2 PLAN AND PROFILE

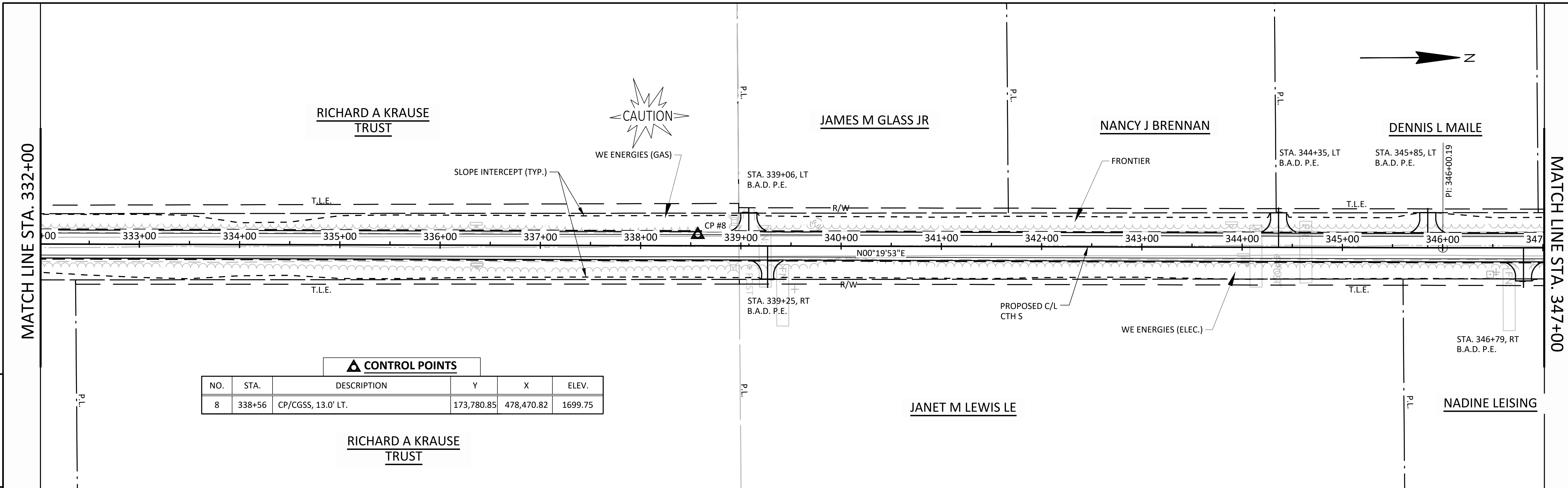


NO.	STA.	DESCRIPTION	Y	X	ELEV.
6	319+19	CP/CGSS, 9.8' RT.	171,843.76	478,491.75	1697.76
7	324+34	CP/CGSS, 11.4' RT.	172,359.17	478,493.14	1705.07

CONTROL POINTS

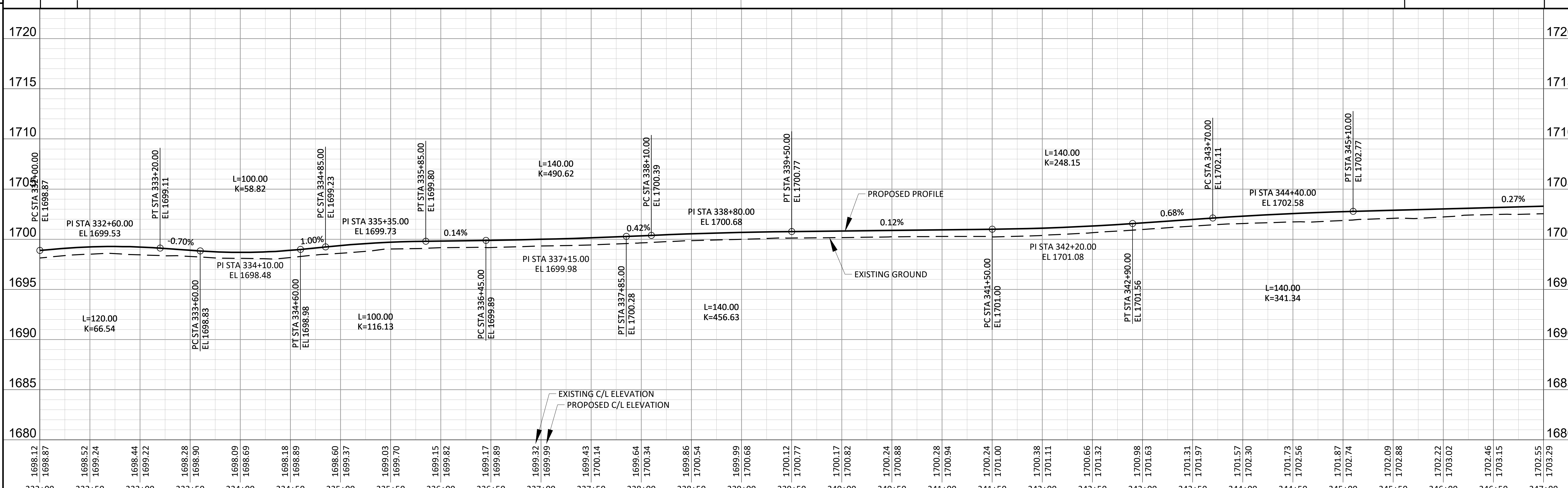


PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PLAN AND PROFILE: CTH S	SHEET 47	E

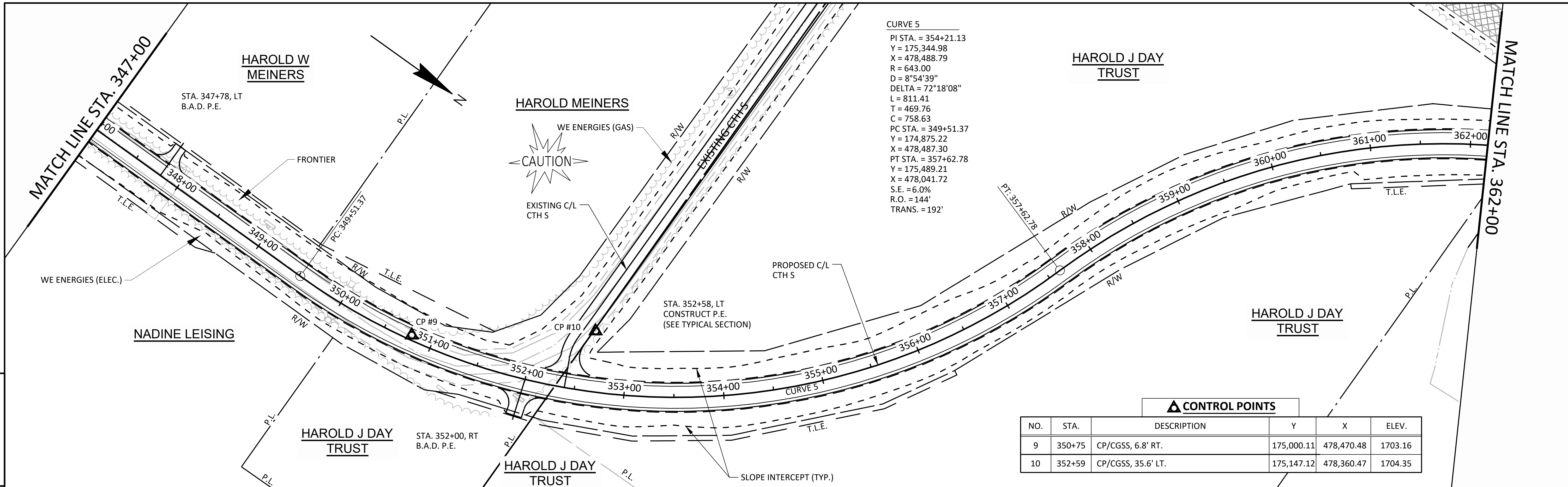


CONTROL POINTS

NO.	STA.	DESCRIPTION	Y	X	ELEV.
8	338+56	CP/CGSS, 13.0' LT.	173,780.85	478,470.82	1699.75



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PLAN AND PROFILE: CTH S	SHEET 48	E

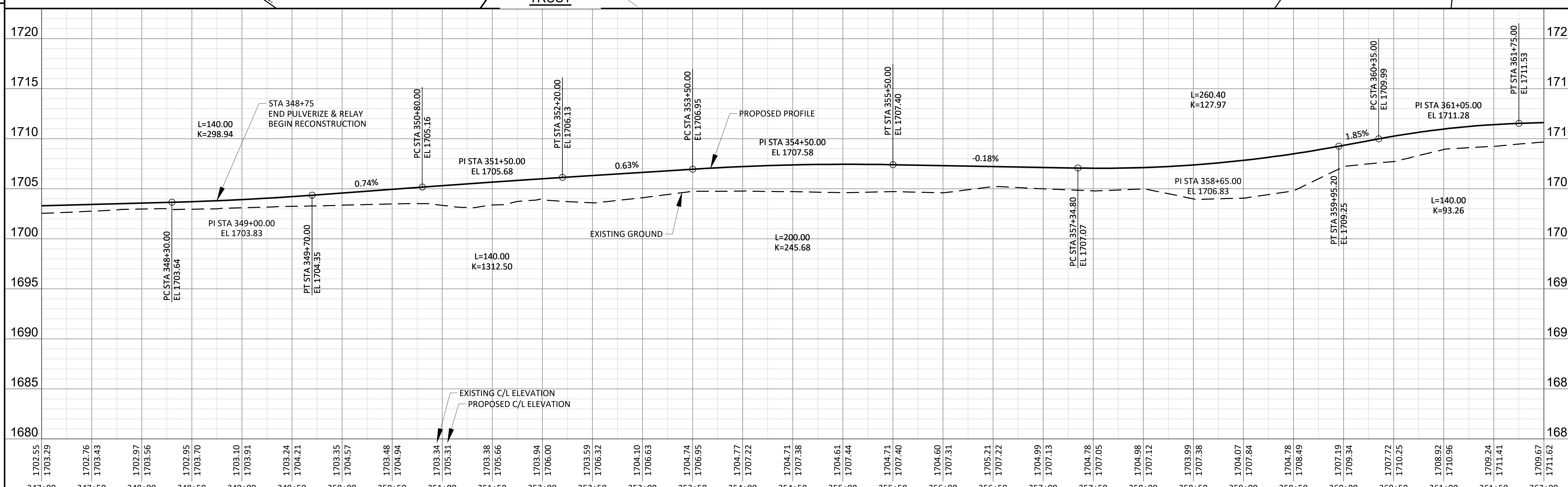


CONTROL POINTS

NO.	STA.	DESCRIPTION	Y	X	ELEV.
9	350+75	CP/CGSS, 6.8' RT.	175,000.11	478,470.48	1703.16
10	352+59	CP/CGSS, 35.6' LT.	175,147.12	478,360.47	1704.35

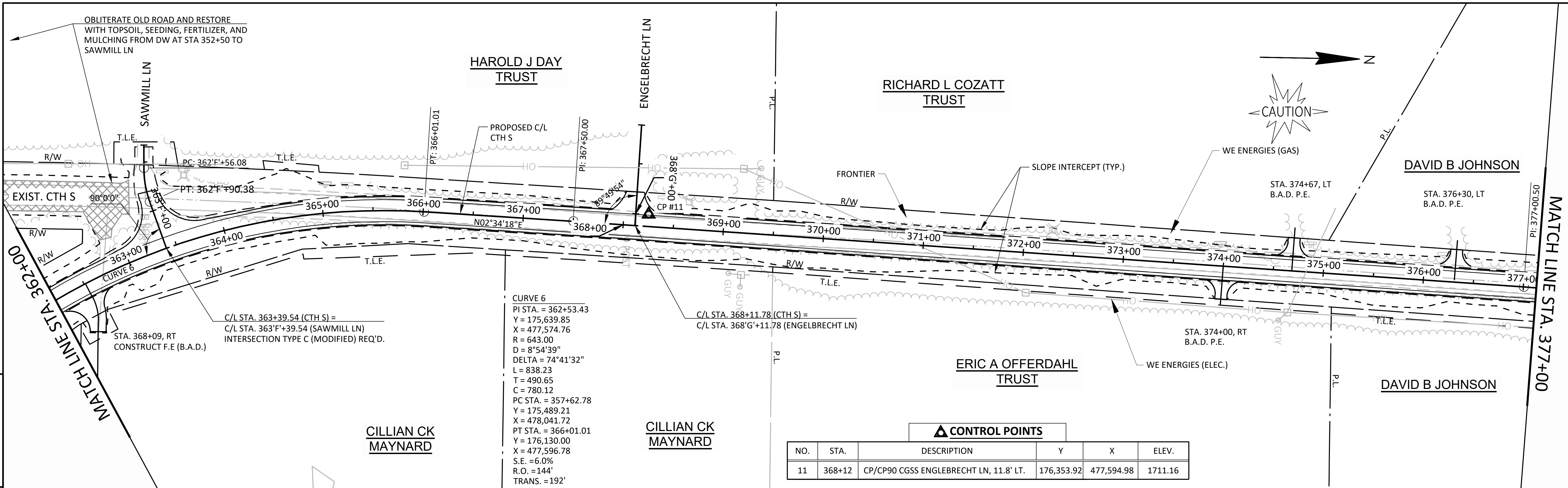
5

5



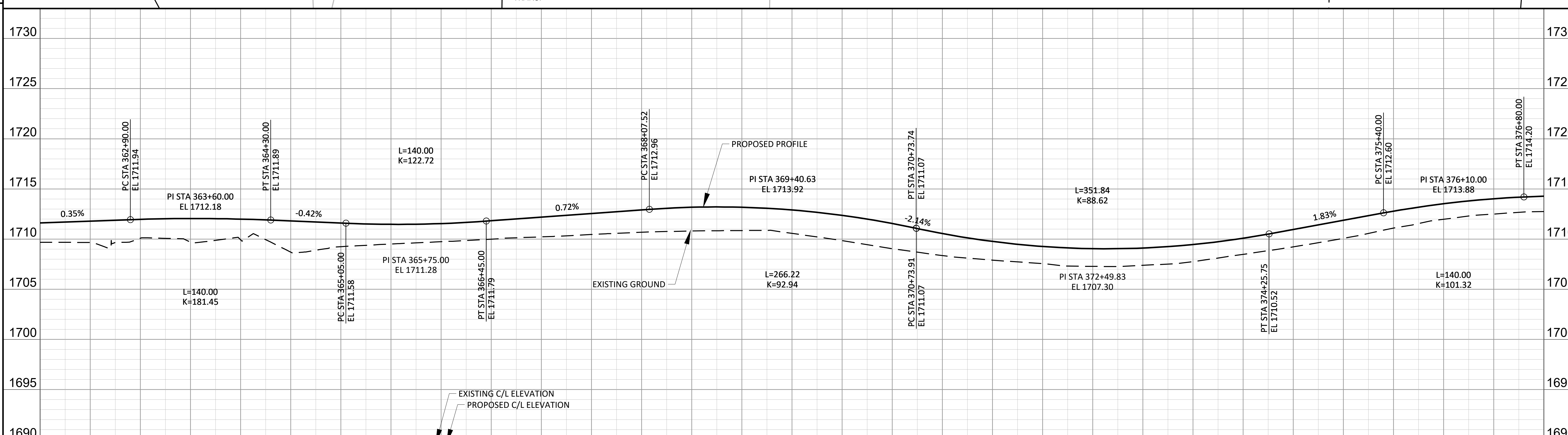
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PLAN AND PROFILE: CTH S	SHEET 49	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\PLAN & PROFILE SHEETS\W11665_PLAN AND PROFILE.DWG PLOT DATE : 8/1/2024 2:50:25 PM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN:100 FT LAYOUT : SHEET - (6)



CONTROL POINTS

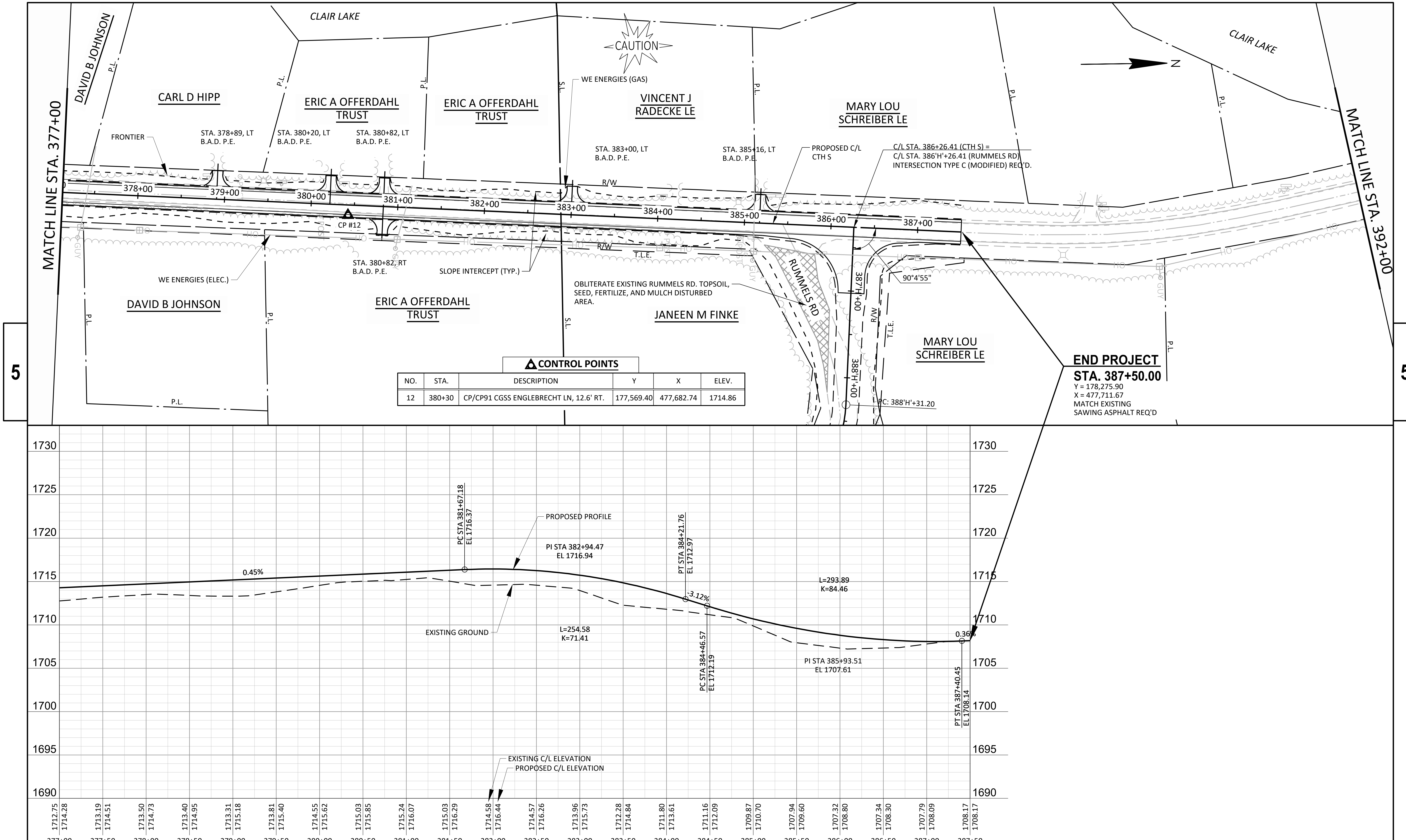
NO.	STA.	DESCRIPTION	Y	X	ELEV.
11	368+12	CP/CP90 CGSS ENGLEBRECHT LN, 11.8' LT.	176,353.92	477,594.98	1711.16



STA.	EXISTING C/L ELEVATION	PROPOSED C/L ELEVATION
362+00	1709.67	1711.62
362+50	1709.65	1711.79
363+00	1710.09	1711.97
363+50	1709.69	1712.05
364+00	1709.92	1711.99
364+50	1708.69	1711.81
365+00	1709.24	1711.60
365+50	1709.51	1711.47
366+00	1709.75	1711.55
366+50	1710.00	1711.82
367+00	1710.22	1712.19
367+50	1710.46	1712.55
368+00	1710.68	1712.91
368+50	1710.80	1713.17
369+00	1710.85	1713.17
369+50	1710.57	1712.90
370+00	1709.84	1712.36
370+50	1709.04	1711.55
371+00	1708.36	1710.55
371+50	1707.89	1709.77
372+00	1707.55	1709.26
372+50	1707.28	1709.05
373+00	1707.39	1709.11
373+50	1707.74	1709.45
374+00	1708.47	1710.08
374+50	1709.23	1710.96
375+00	1710.07	1711.87
375+50	1711.10	1712.78
376+00	1711.98	1713.52
376+50	1712.50	1714.02
377+00	1712.75	1714.28

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PLAN AND PROFILE: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\PLAN & PROFILE SHEETS\W11665_PLAN AND PROFILE.DWG PLOT DATE : 8/1/2024 2:50:30 PM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN:100 FT LAYOUT : SHEET - (7)

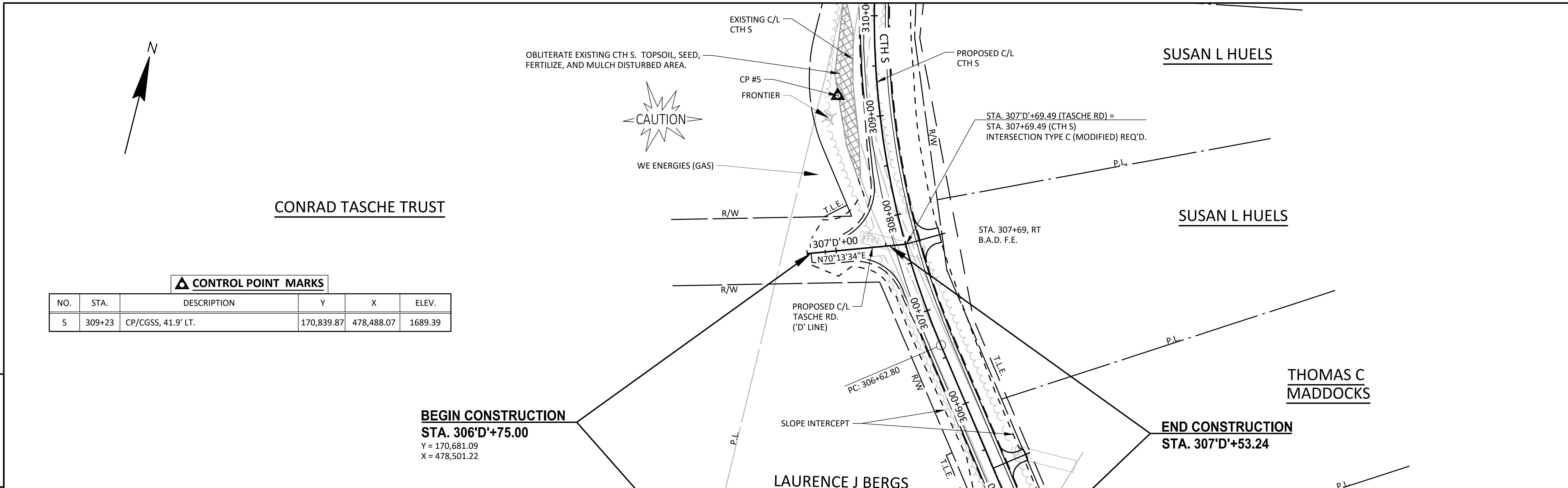


CONTROL POINTS

NO.	STA.	DESCRIPTION	Y	X	ELEV.
12	380+30	CP/CP91 CGSS ENGLEBRECHT LN, 12.6' RT.	177,569.40	477,682.74	1714.86

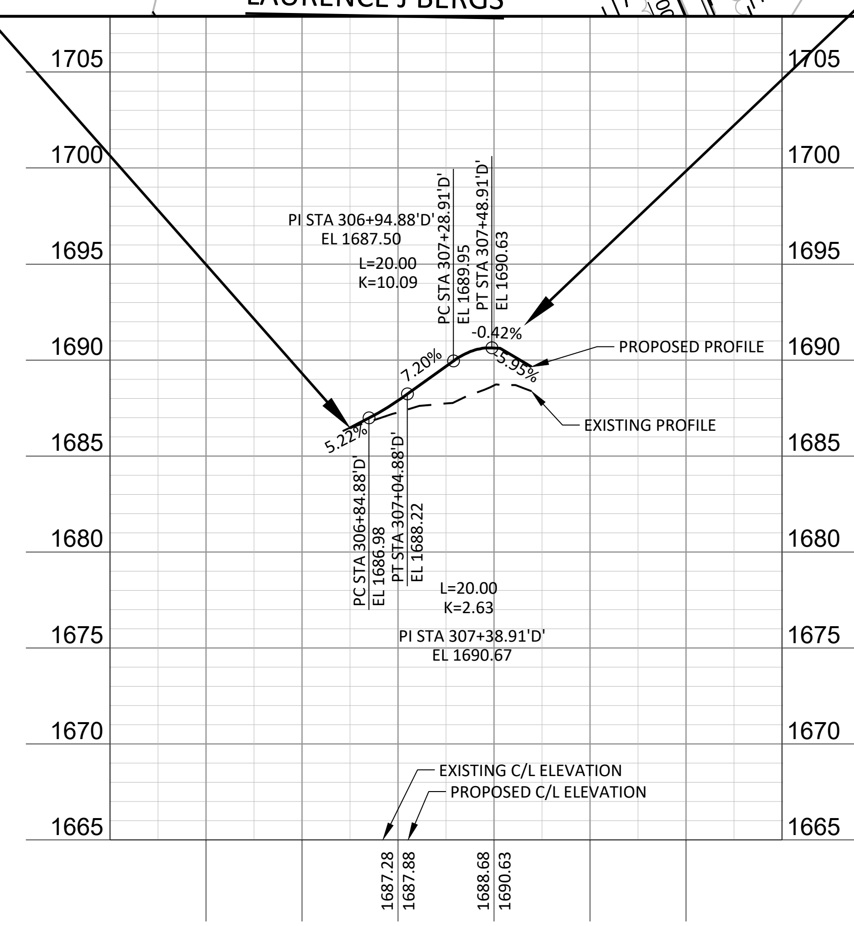
PROJECT NO: 9513-01-70 | HWY: CTH S | COUNTY: VILAS | PLAN AND PROFILE: CTH S | SHEET 51 | E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\PLAN & PROFILE SHEETS\W11665_PLAN AND PROFILE.DWG PLOT DATE : 8/1/2024 2:50:35 PM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN:100 FT LAYOUT : SHEET - (8)



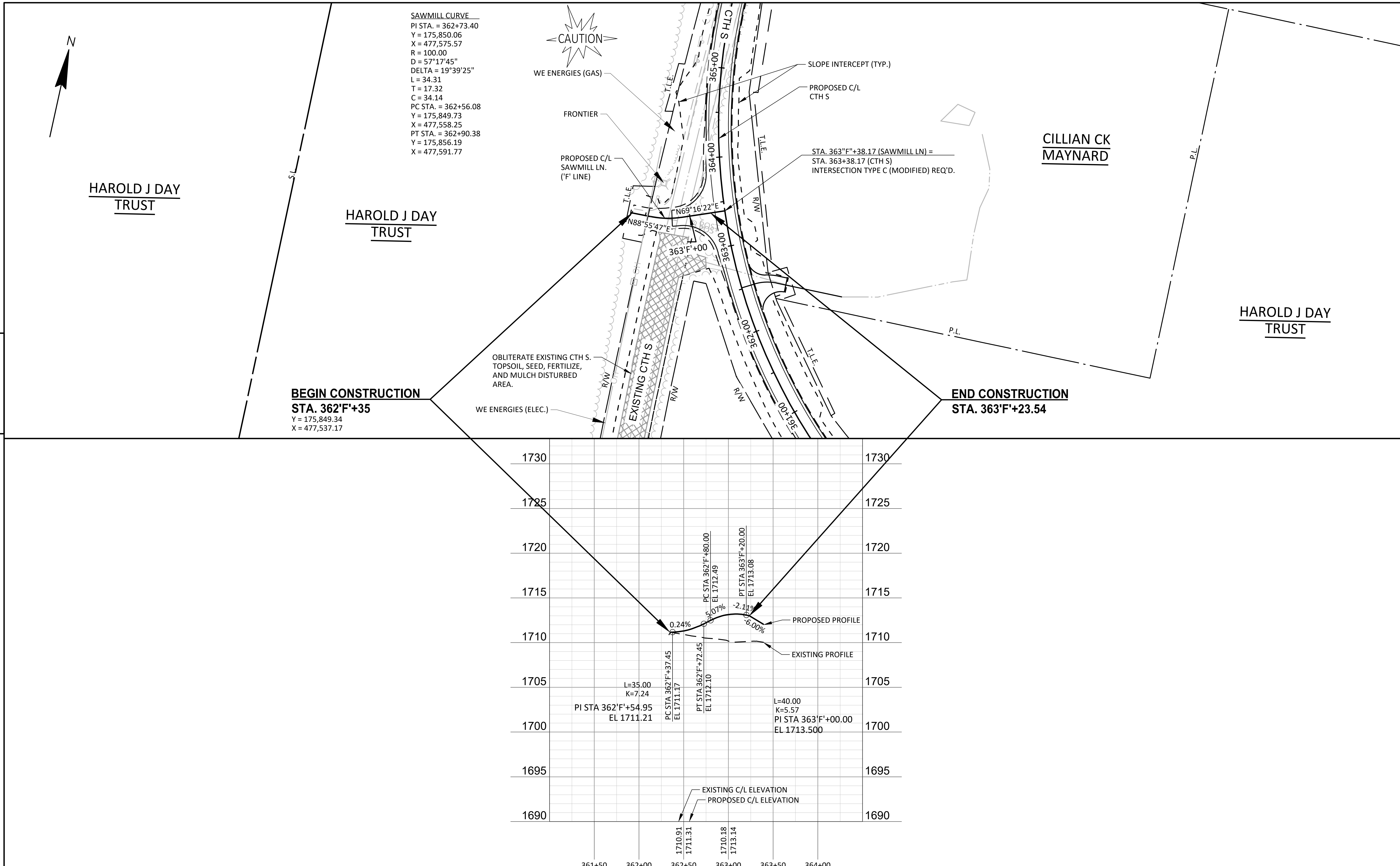
CONTROL POINT MARKS

NO.	STA.	DESCRIPTION	Y	X	ELEV.
5	309+23	CP/CGSS, 41.9' LT.	170,839.87	478,488.07	1689.39



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PLAN AND PROFILE: TASCHE RD	SHEET 52	E

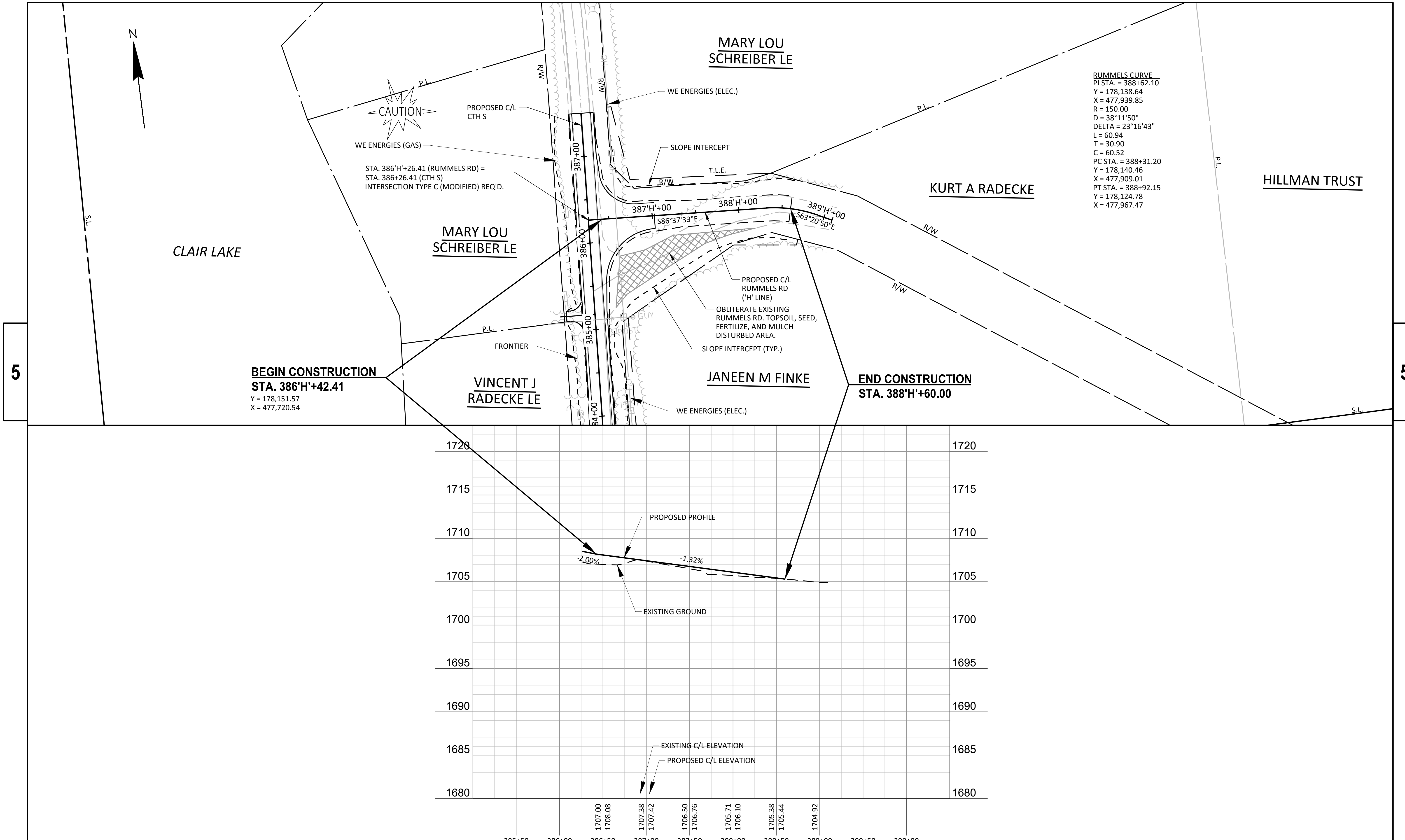
5



5

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PLAN AND PROFILE: SAWMILL LN	SHEET 53	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\SHEETSPLAN\PLAN & PROFILE SHEETS\W11665_PLAN AND PROFILE_SIDEROADS.DWG PLOT DATE : 8/1/2024 2:50:54 PM PLOT BY : HANNAH BROOKS PLOT SCALE : 1 IN:100 FT LAYOUT : 5.9 PLAN AND PROFILE SIDEROADS



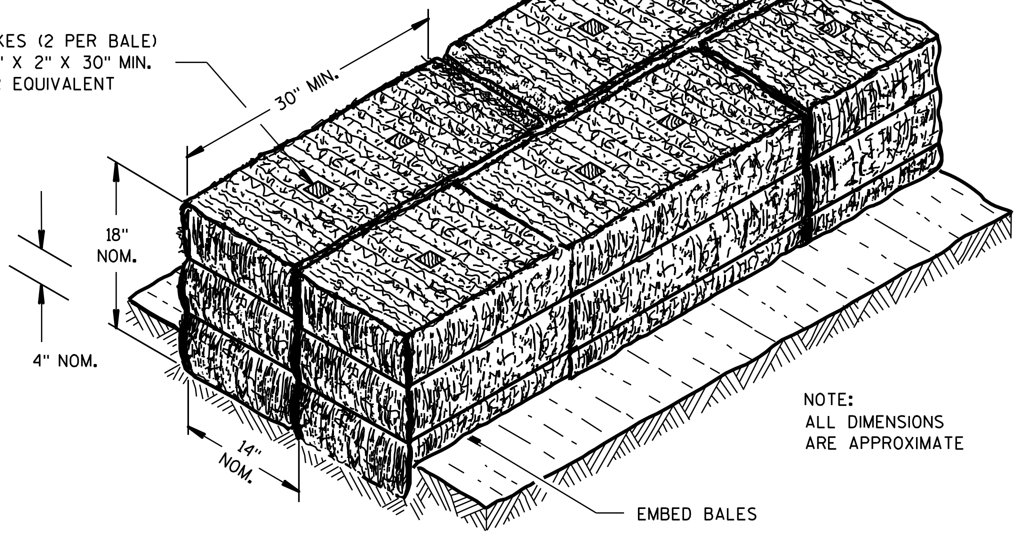
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	PLAN AND PROFILE: RUMMELS RD	SHEET 54	E

Standard Detail Drawing List

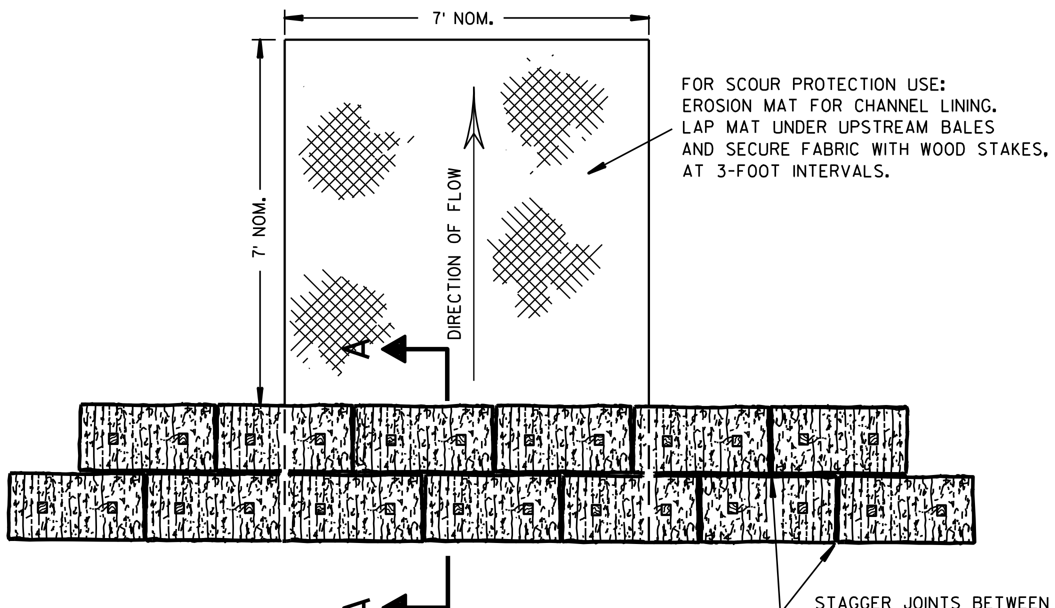
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
13C19-03	HMA LONGITUDINAL JOINTS
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C19-09A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING

6

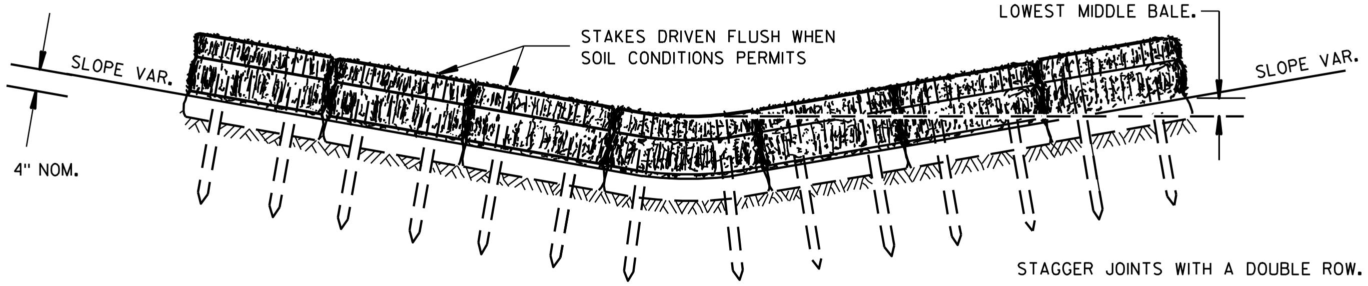
6



SECTION A-A



PLAN VIEW



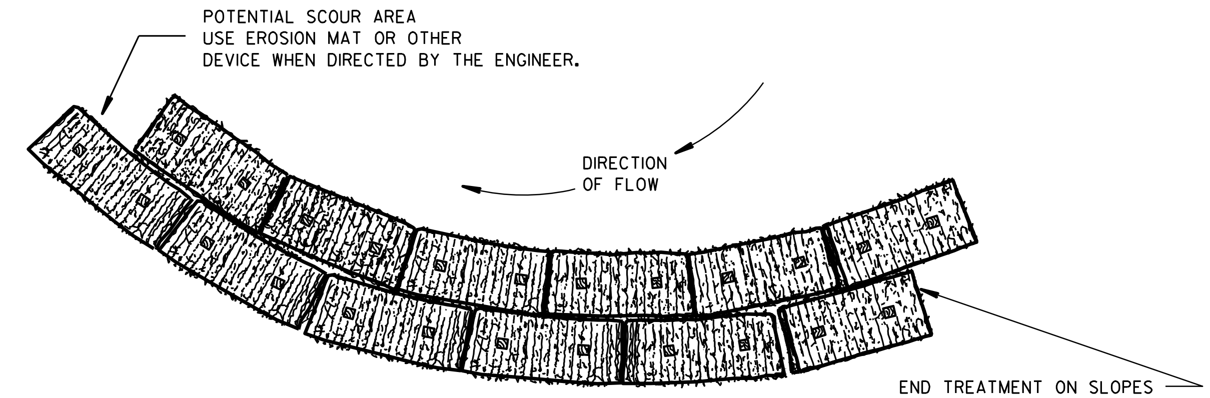
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

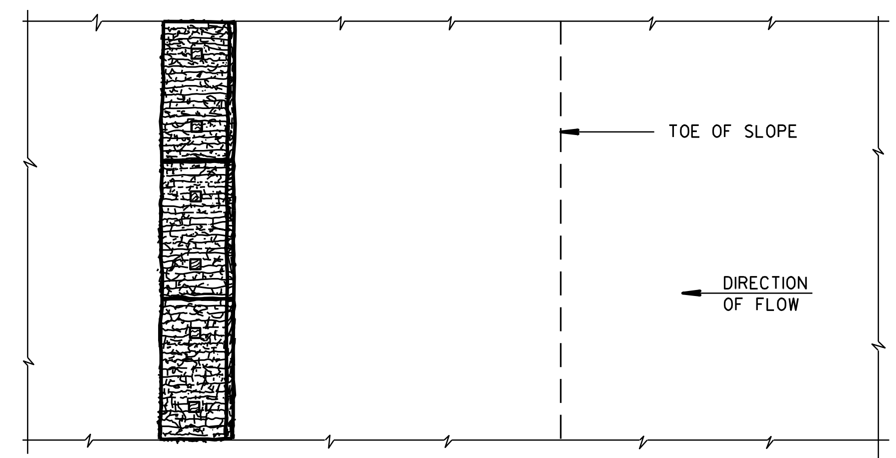
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

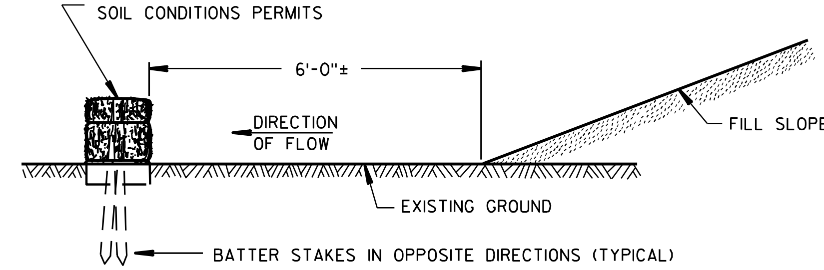


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

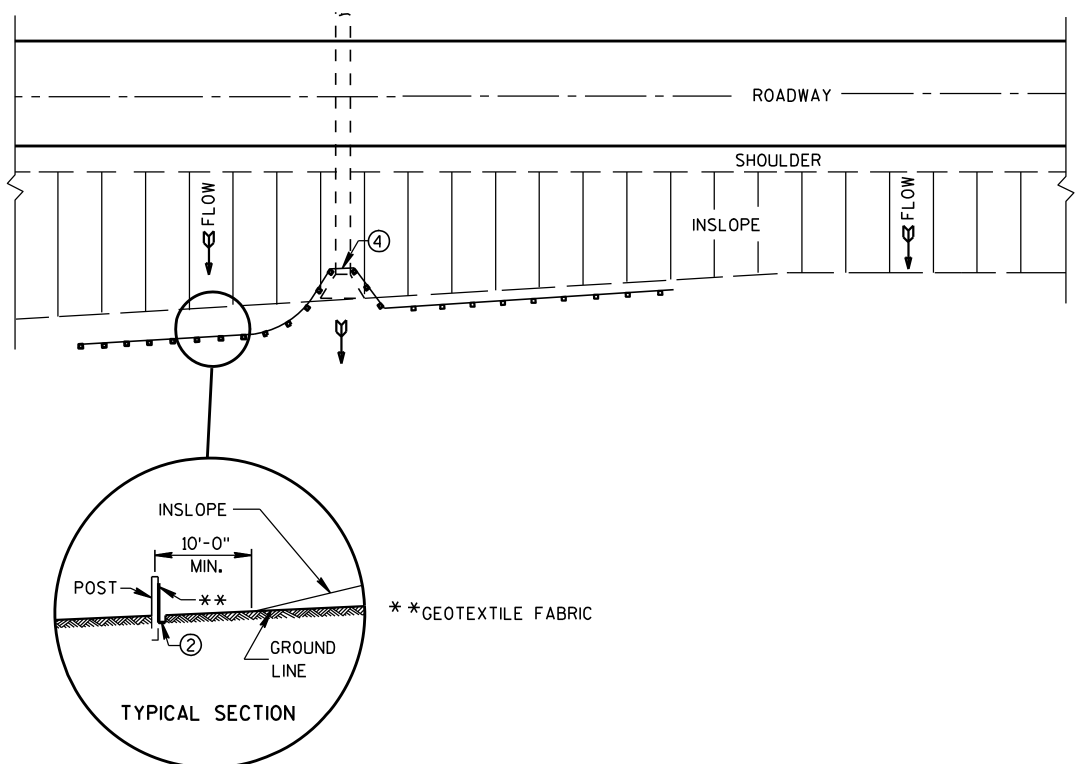
EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 6/04/02 — DATE /S/ Beth Cann... — CHIEF ROADWAY DEVELOP... ...INEER FHWA

GENERAL NOTES

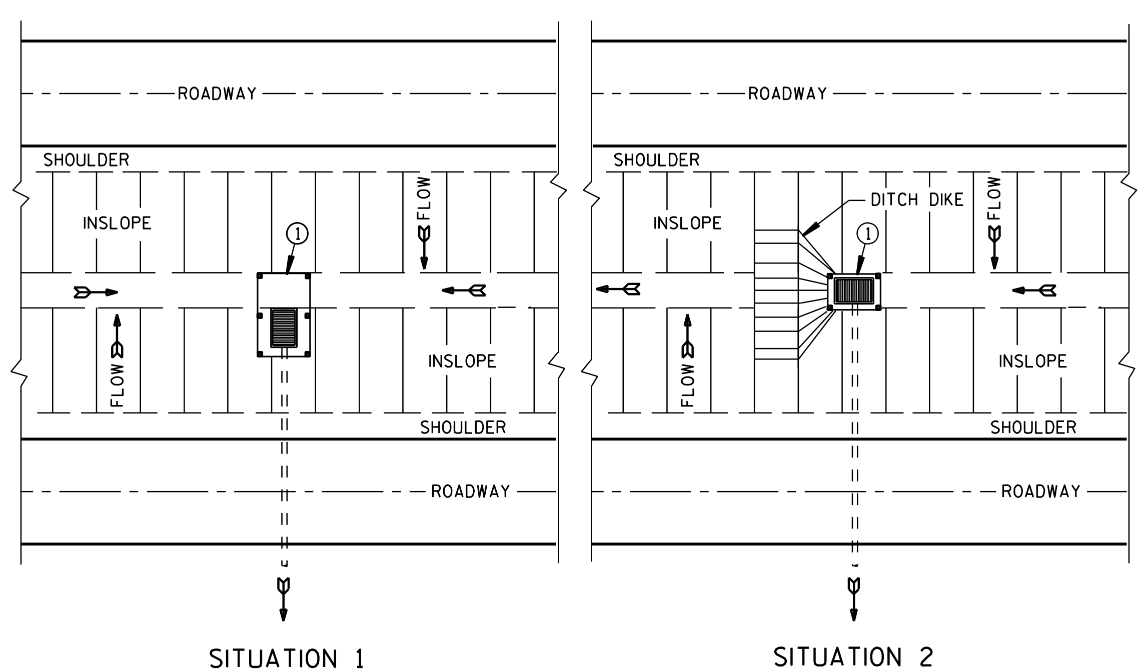
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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 $1\frac{1}{8}$" X $1\frac{1}{8}$" 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.



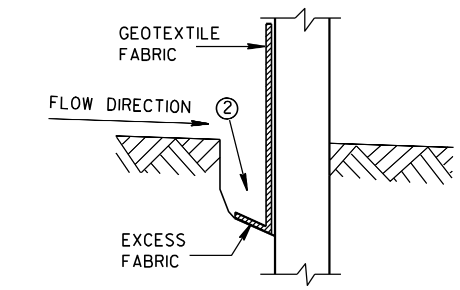
PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE

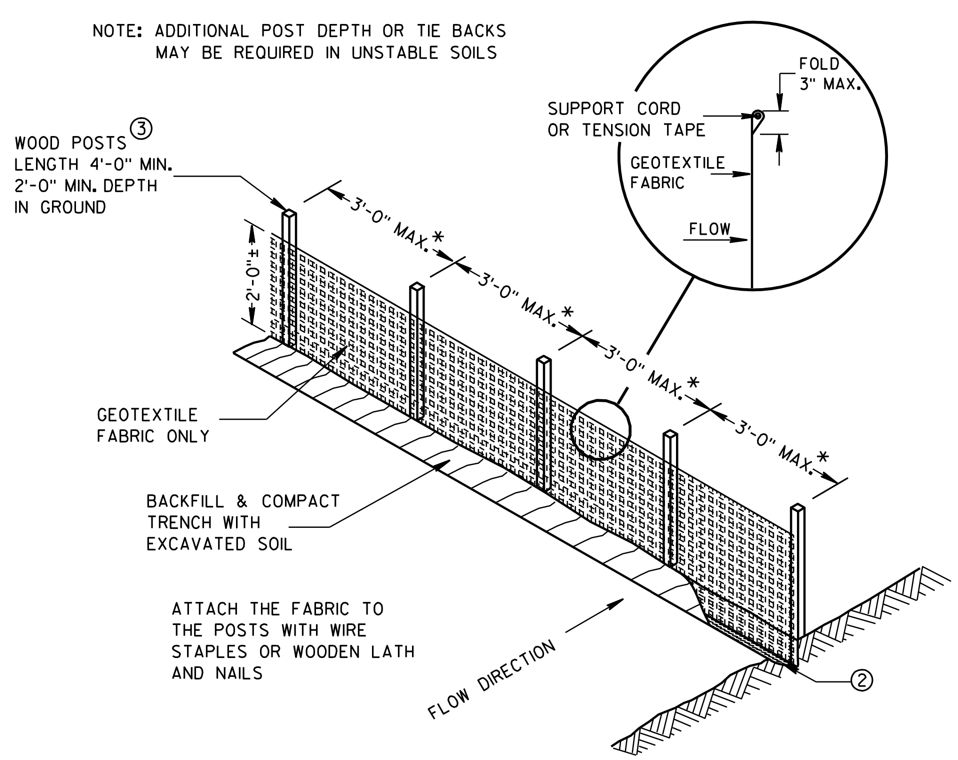


PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

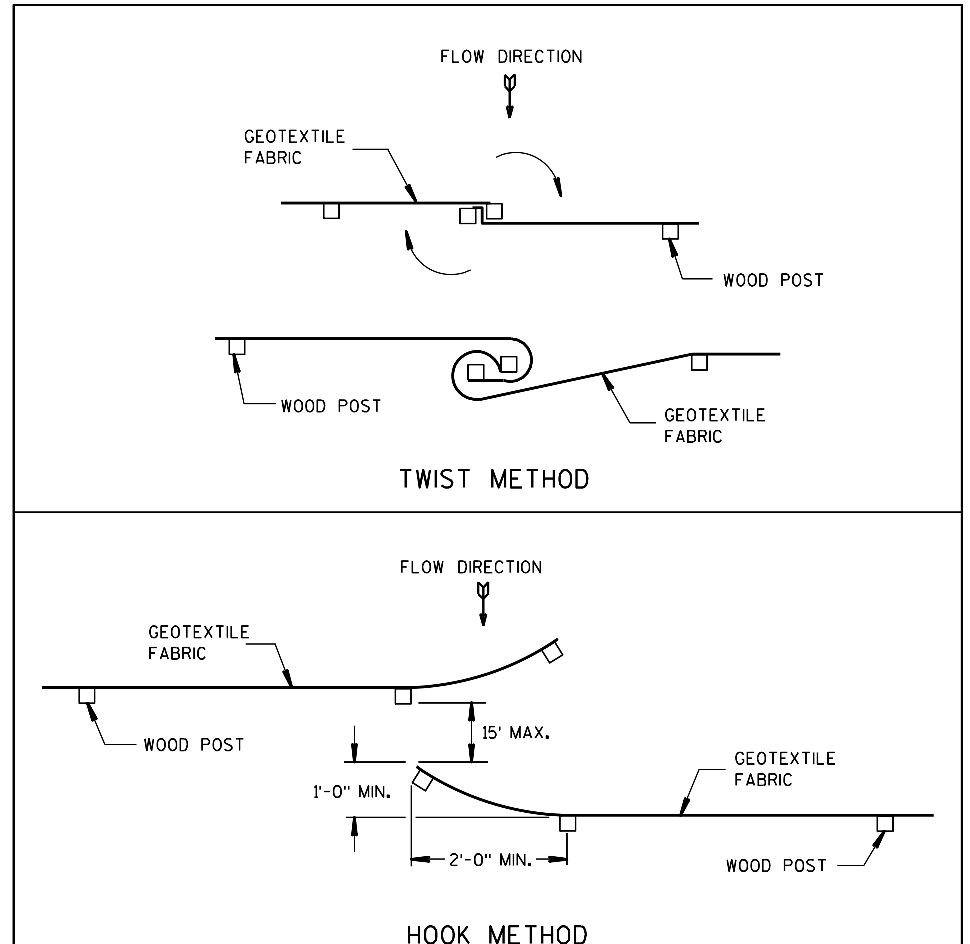


TRENCH DETAIL

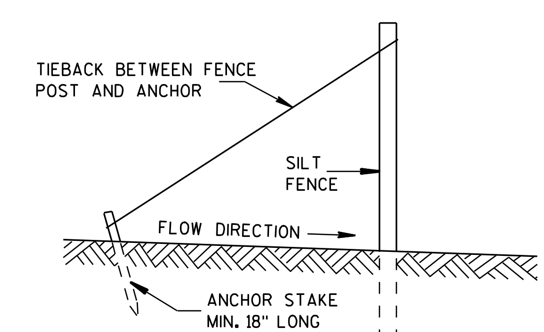


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE



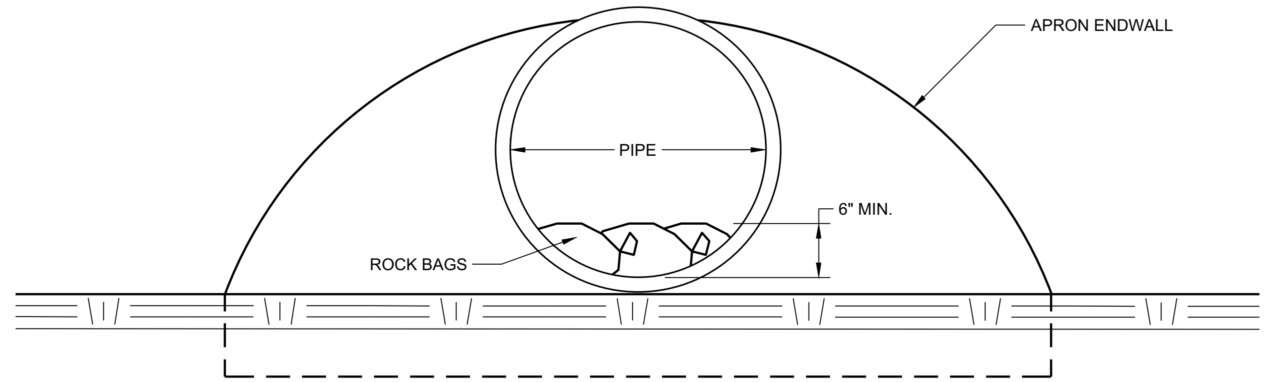
JOINING TWO LENGTHS OF SILT FENCE ⑤



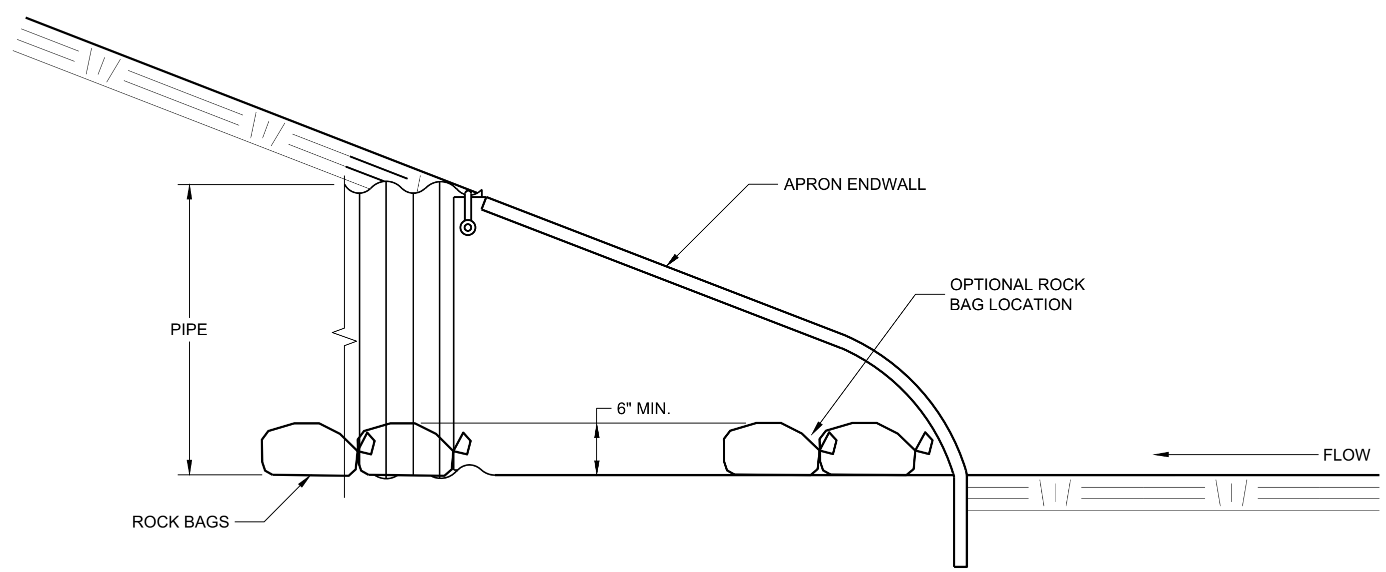
SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 4-29-05 /S/ Beth Cannestra DATE CHIEF ROADWAY DEVELOPMENT ENGINEER FHWA



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 58

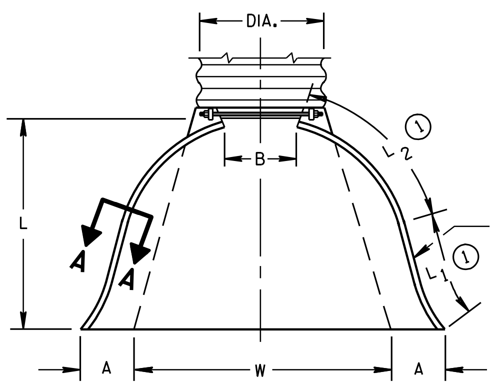
FHWA

METAL APRON ENDWALLS											
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")		
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.

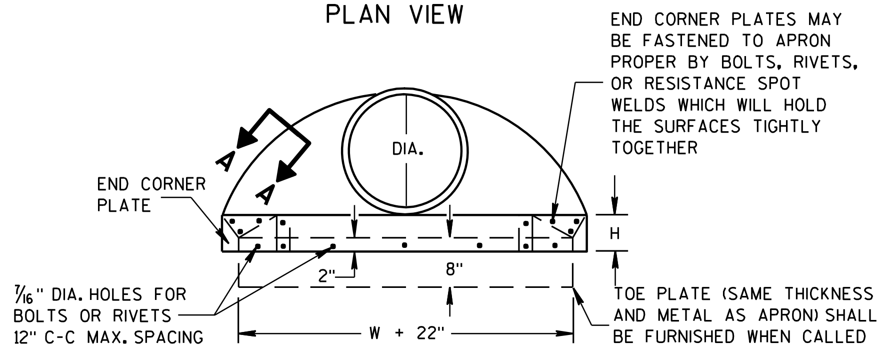
× EXCEPT CENTER PANEL
SEE GENERAL NOTES

REINFORCED CONCRETE APRON ENDWALLS								
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE
	T	A	B	C	D	E	G	
12	2	4	24	48 7/8	72 7/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	*33 1/4-**35	*98 1/4-**100	90	5 1/2	2 2/5 to 1
60	6	*30-**35	60	39	99	96	5	2 to 1
66	6 1/2	*24-**30	*72-**78	*21-**27	99	102	5 1/2	2 to 1
72	7	*24-**36	78	21	99	108	6	2 to 1
78	7 1/2	*24-**36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

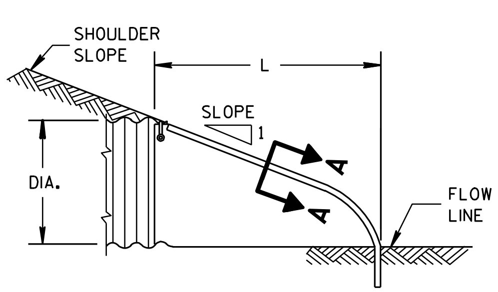
*MINIMUM
**MAXIMUM



PLAN VIEW

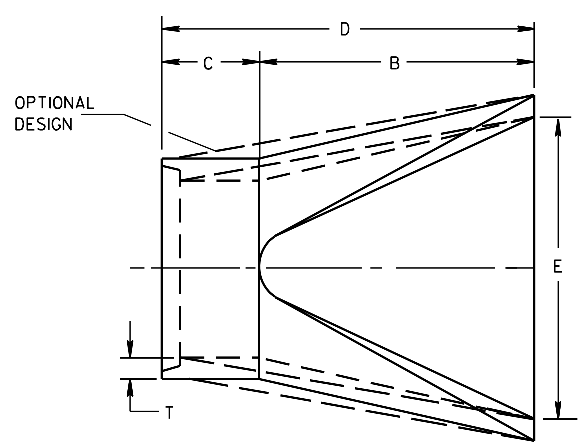


END VIEW

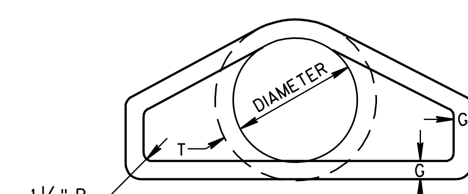


SIDE ELEVATION

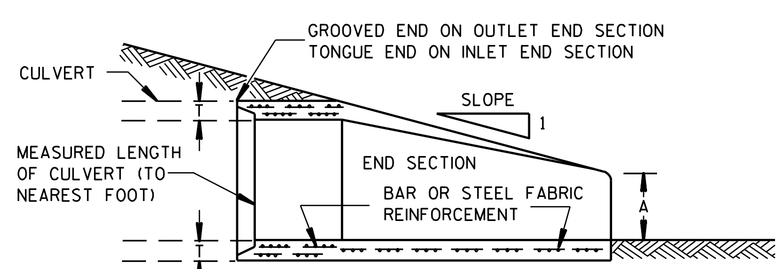
METAL ENDWALLS



PLAN

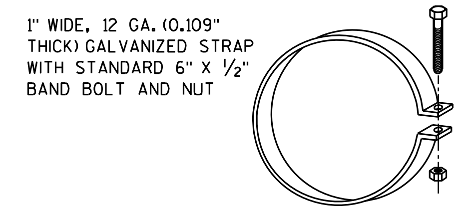


END VIEW



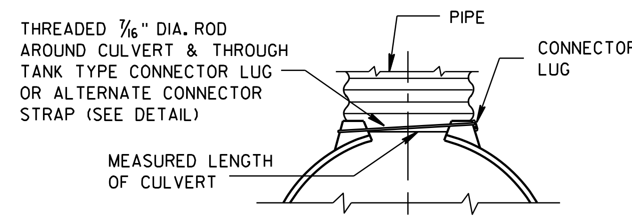
LONGITUDINAL SECTION

CONCRETE ENDWALLS

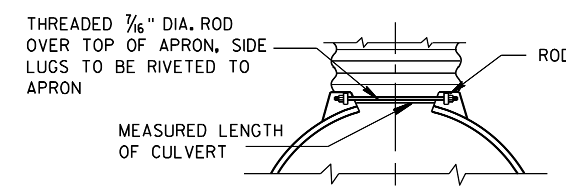


ALTERNATE FOR TYPE 1 CONNECTION

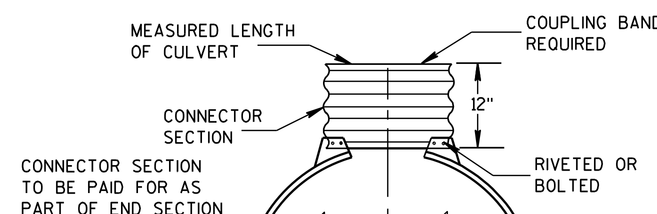
END SECTION CONNECTOR STRAP



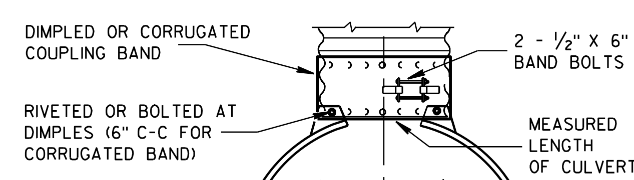
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

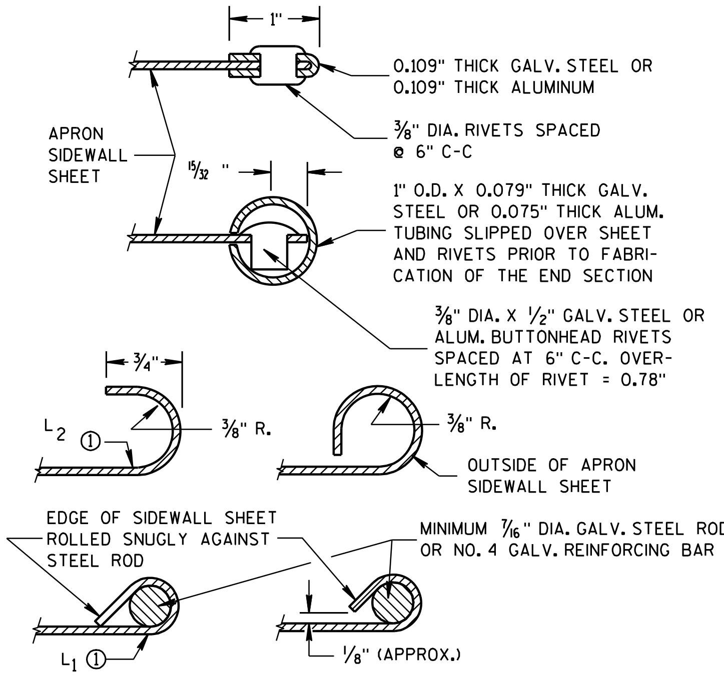
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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

APRON ENDWALLS FOR CULVERT PIPE
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 11/30/94 DATE — /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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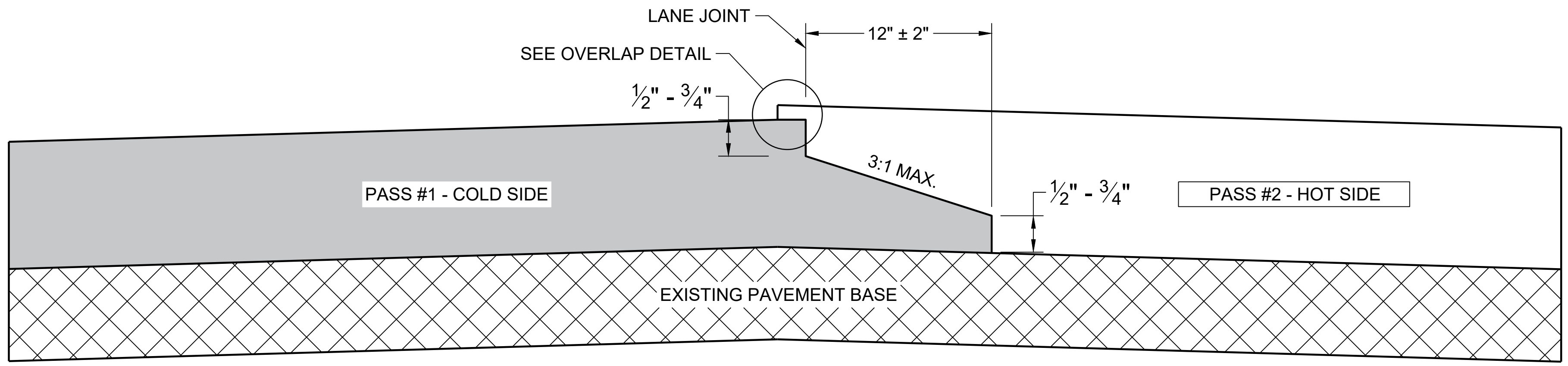
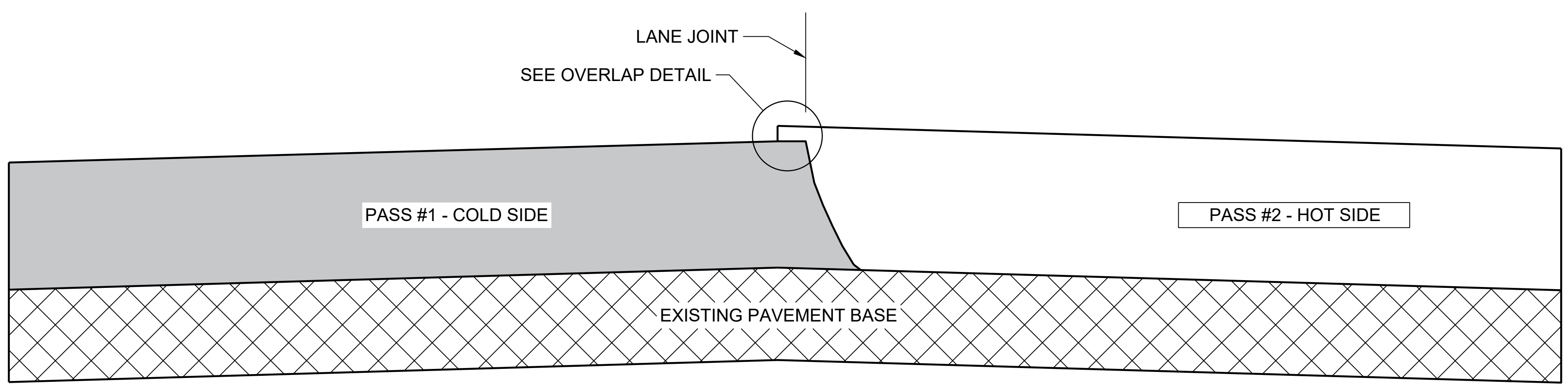
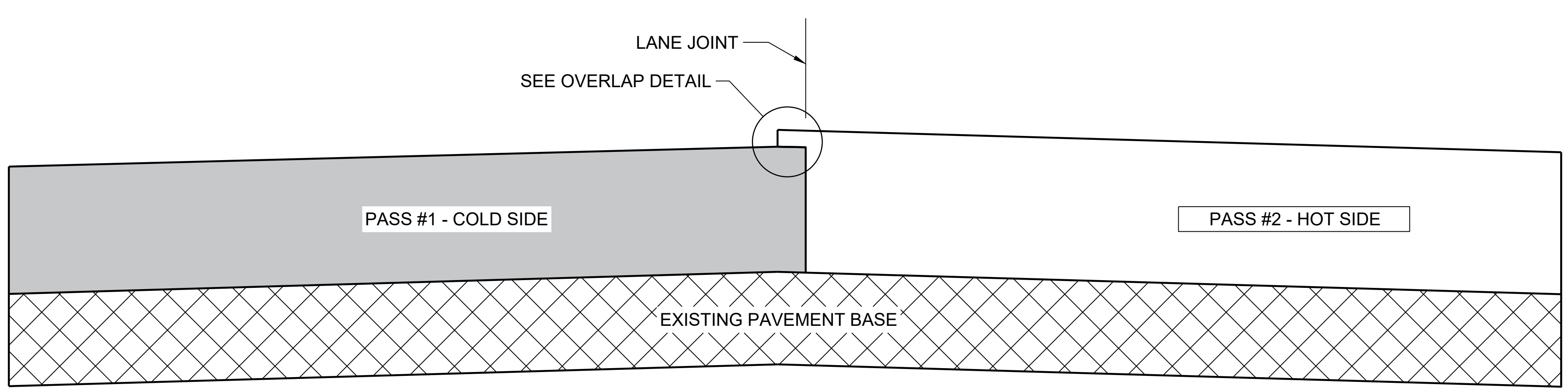
S.D.D. 8 F 1-11



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

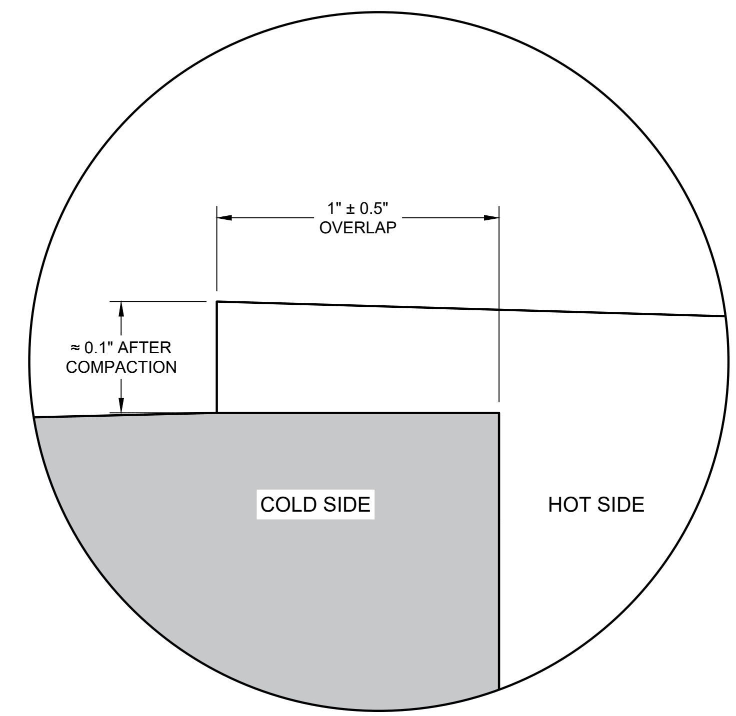
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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.

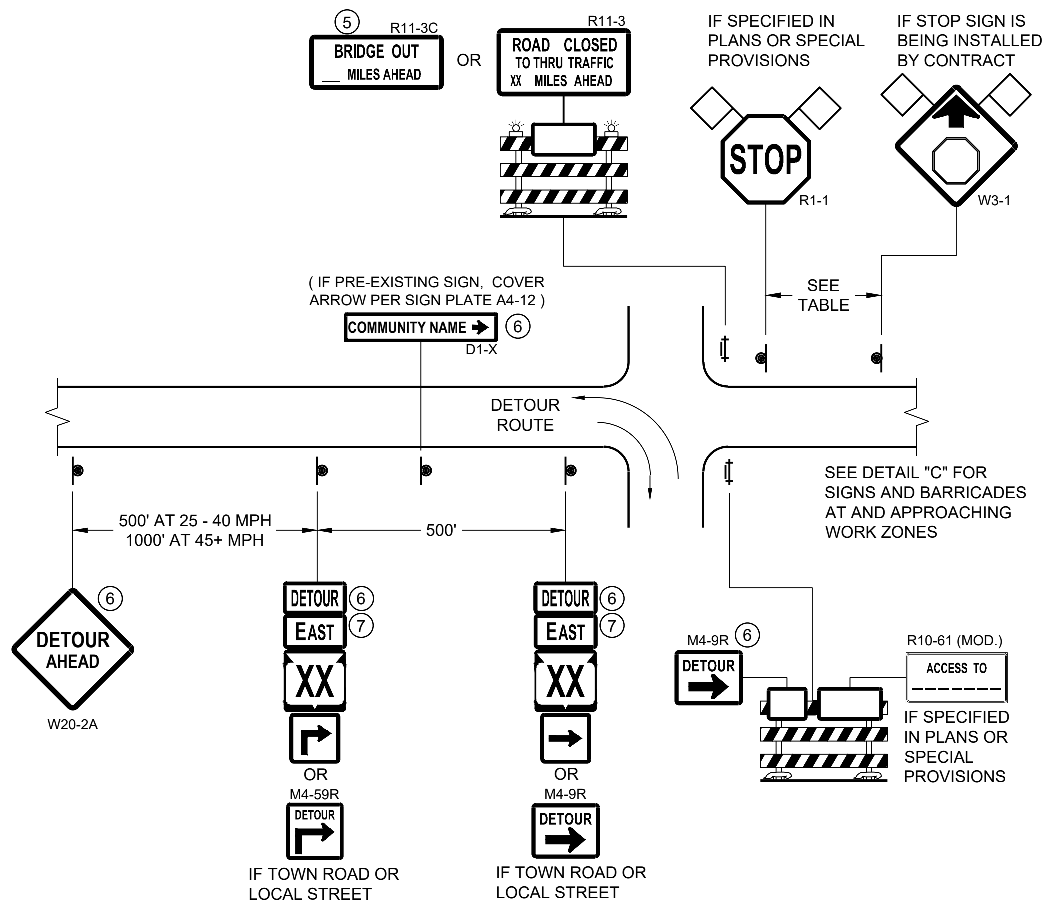


OVERLAP DETAIL (TYPICAL)

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

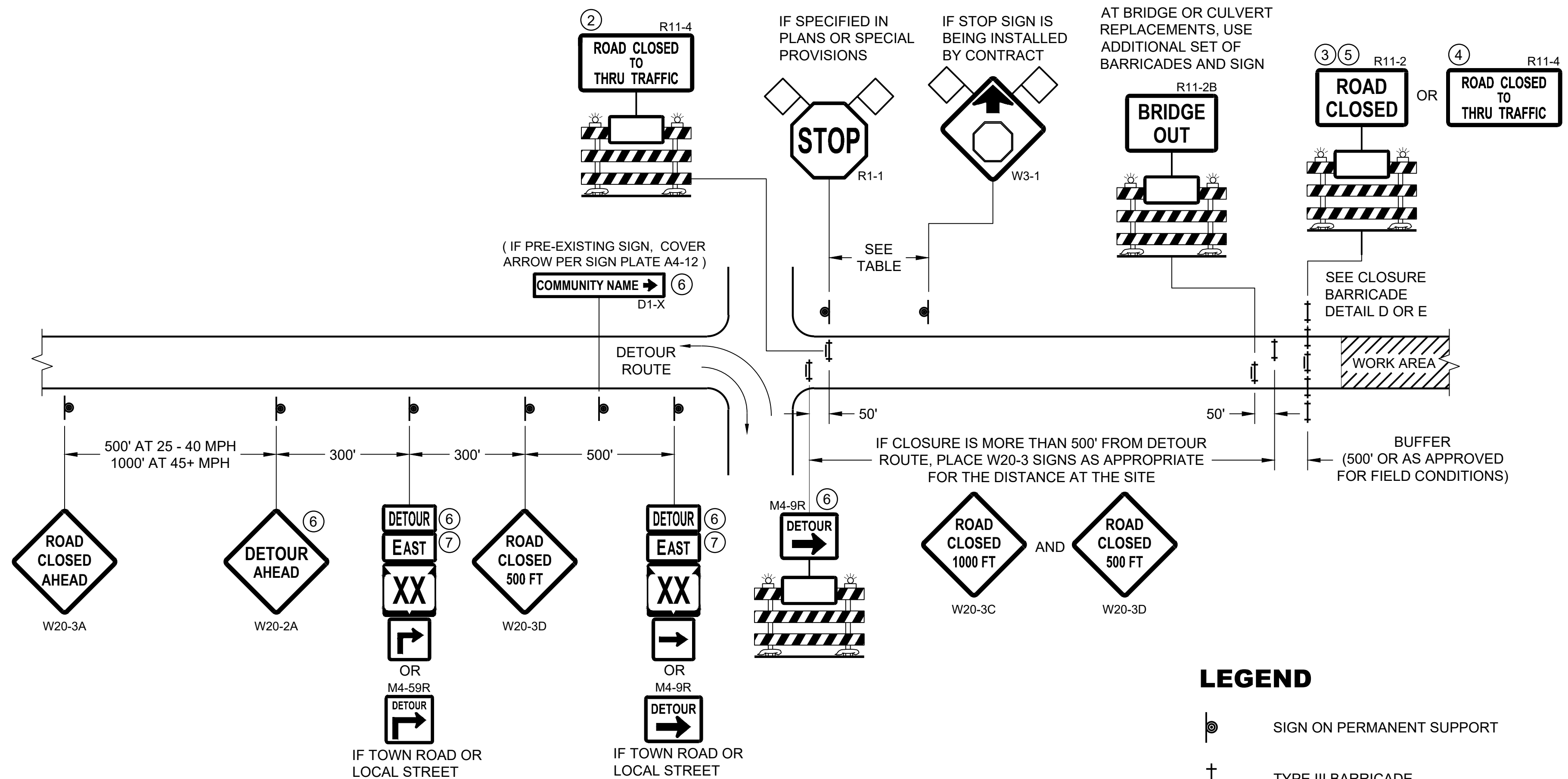
APPROVED
November 2020 /S/ Steven Hefel
DATE HMA PAVEMENT ENGIN. 60
FHWA



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

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



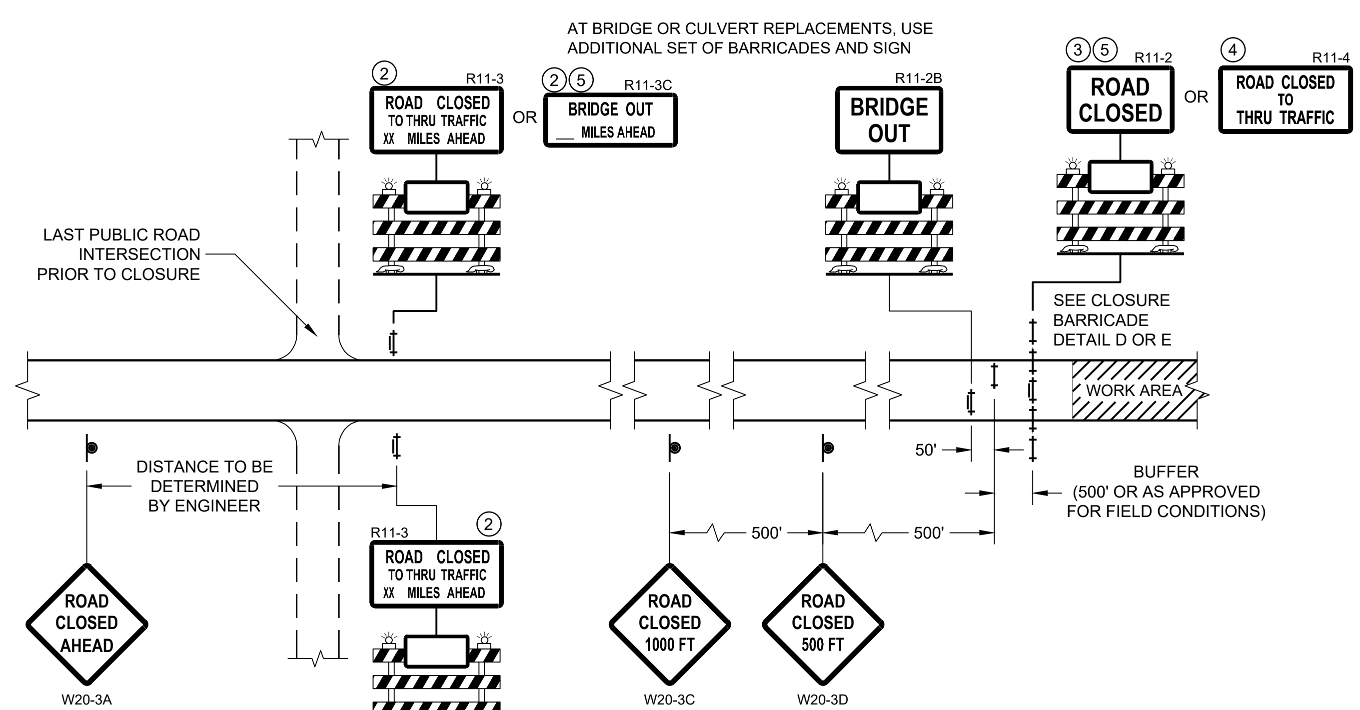
DETAIL B

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
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER
FHWA

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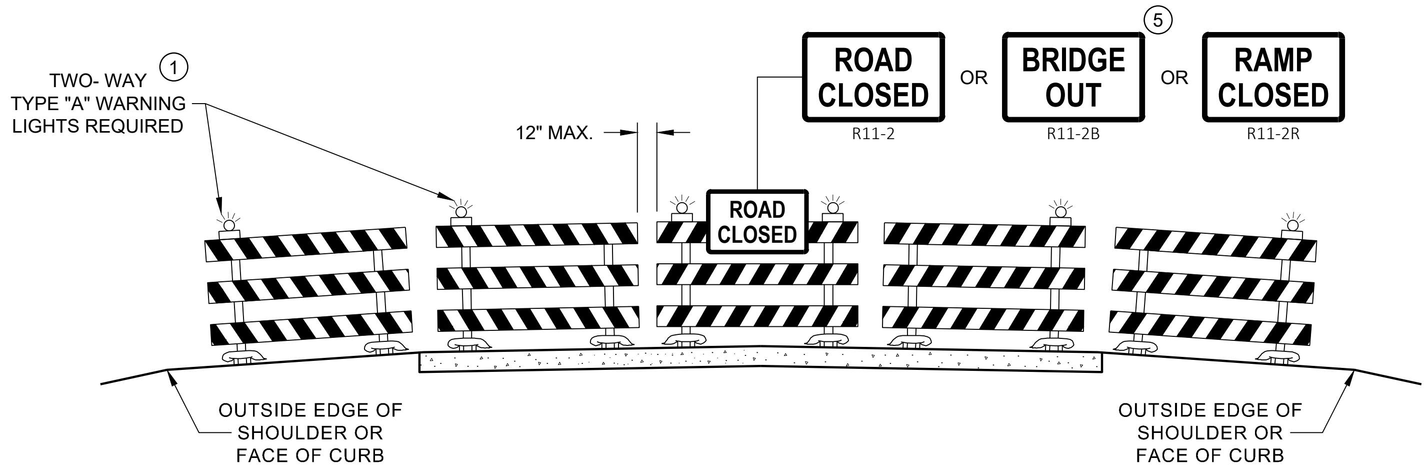
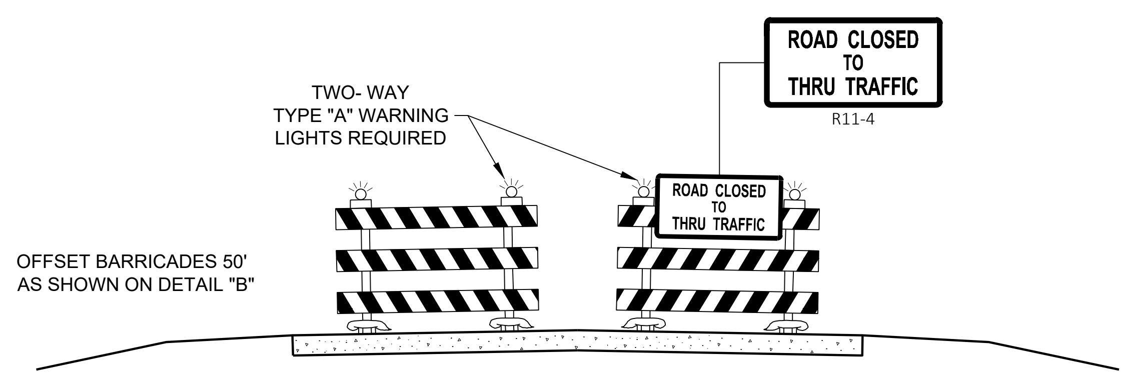
SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

2 THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

3 FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

4 FOR ROAD CLOSURE <u>WITH</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

5 FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

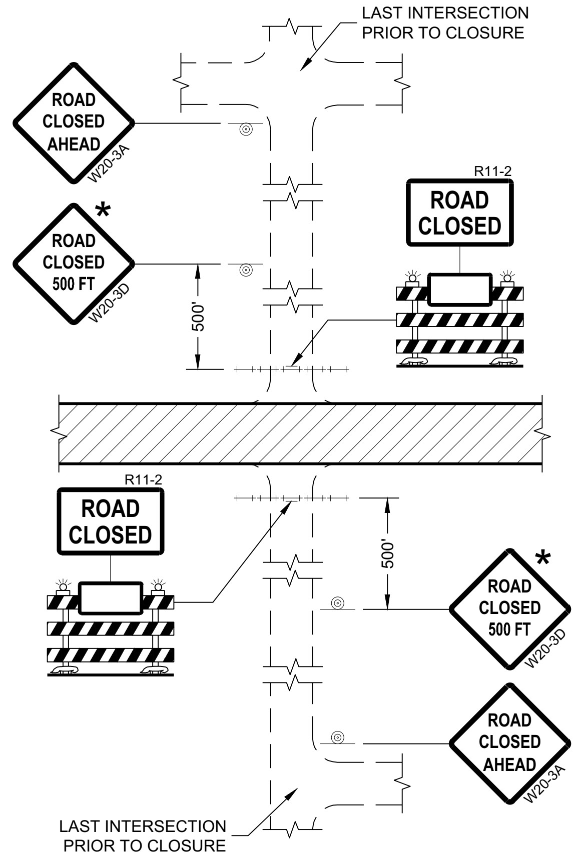
6 INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

7 "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

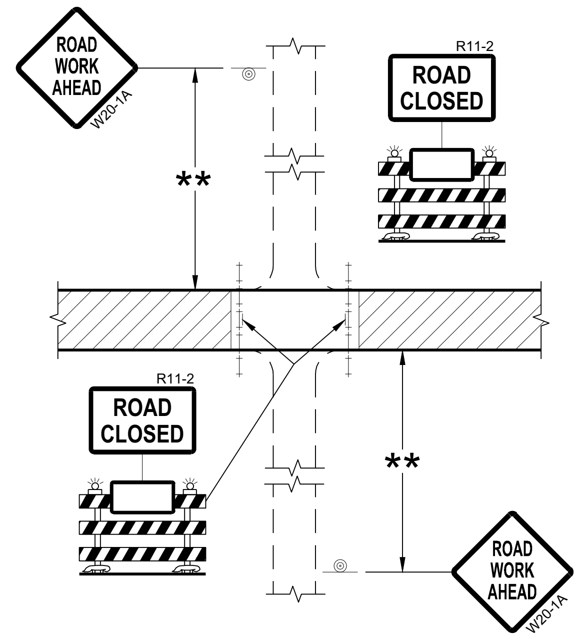
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA



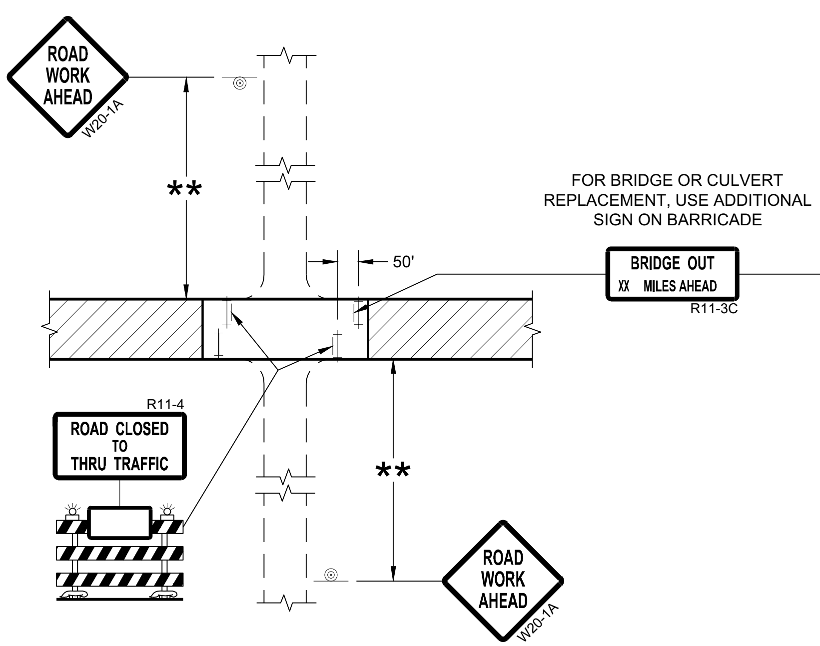
DETAIL 1

(NO ACCESS TO PROJECT)



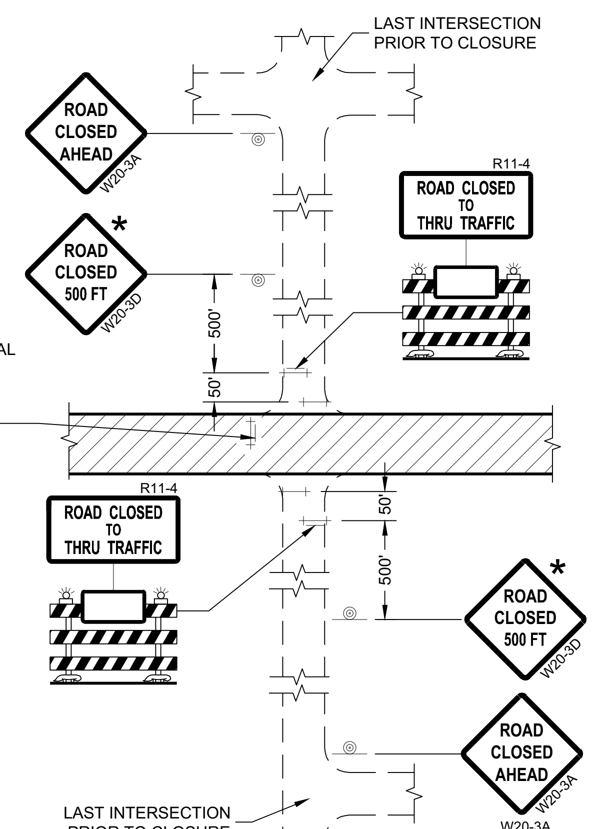
DETAIL 2

(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

6

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BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

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

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

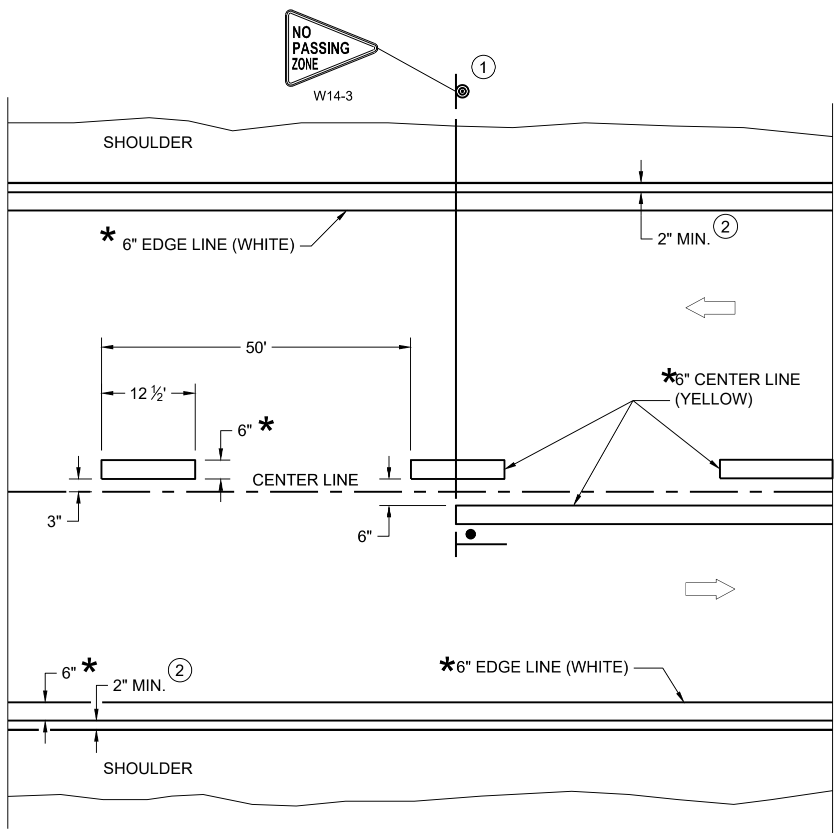
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

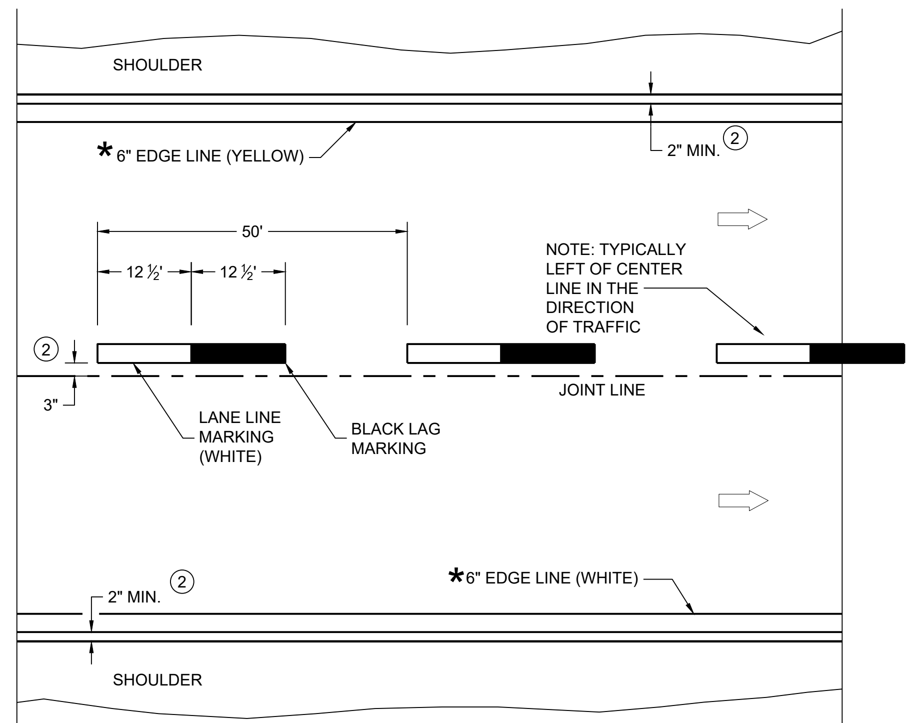
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023 — DATE

/S/ Jeannie Silver — Statewide Pavement Marking Engineer

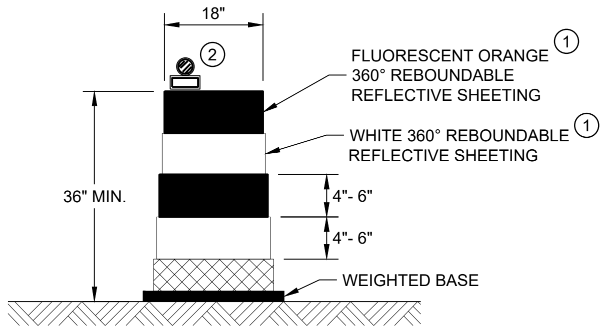
FHWA

6

GENERAL NOTES

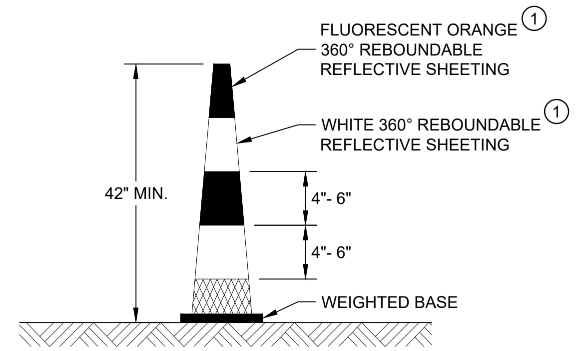
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

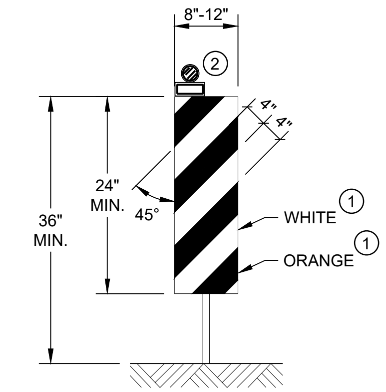
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

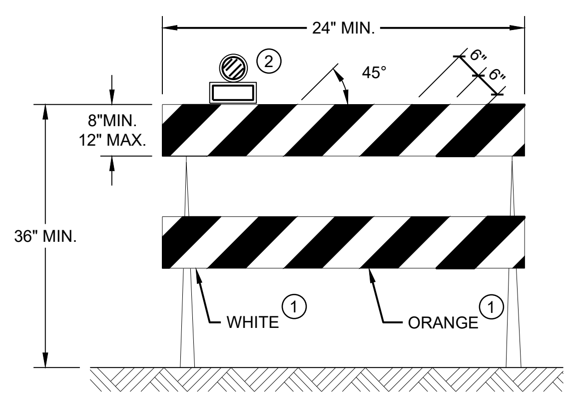
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



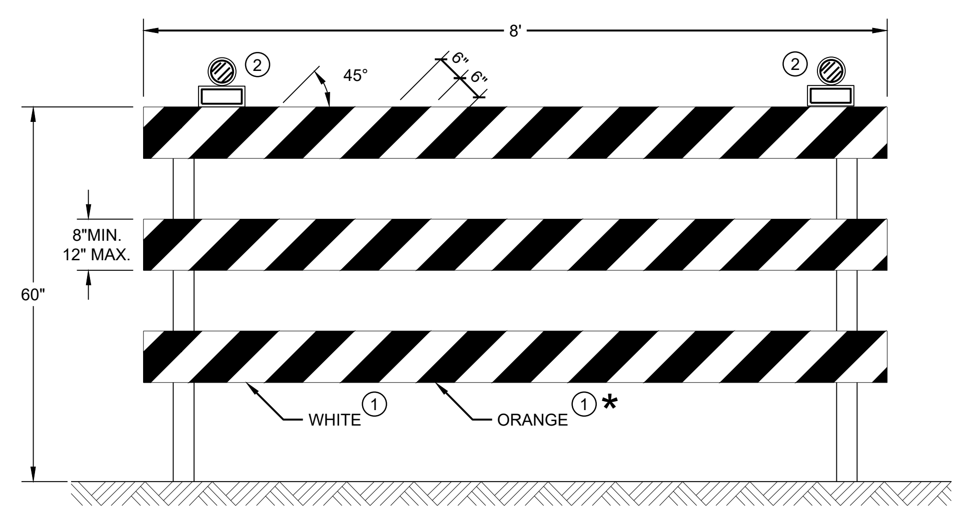
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER

FHWA

6

SDD 15C11 - 10b

SDD 15C11 - 10b

LEGEND

- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TEMPORARY PORTABLE RUMBLE STRIP ARRAY
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

1. FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
2. SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

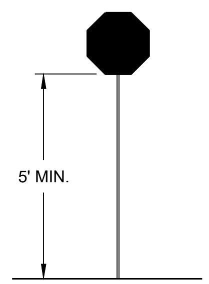
3. EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

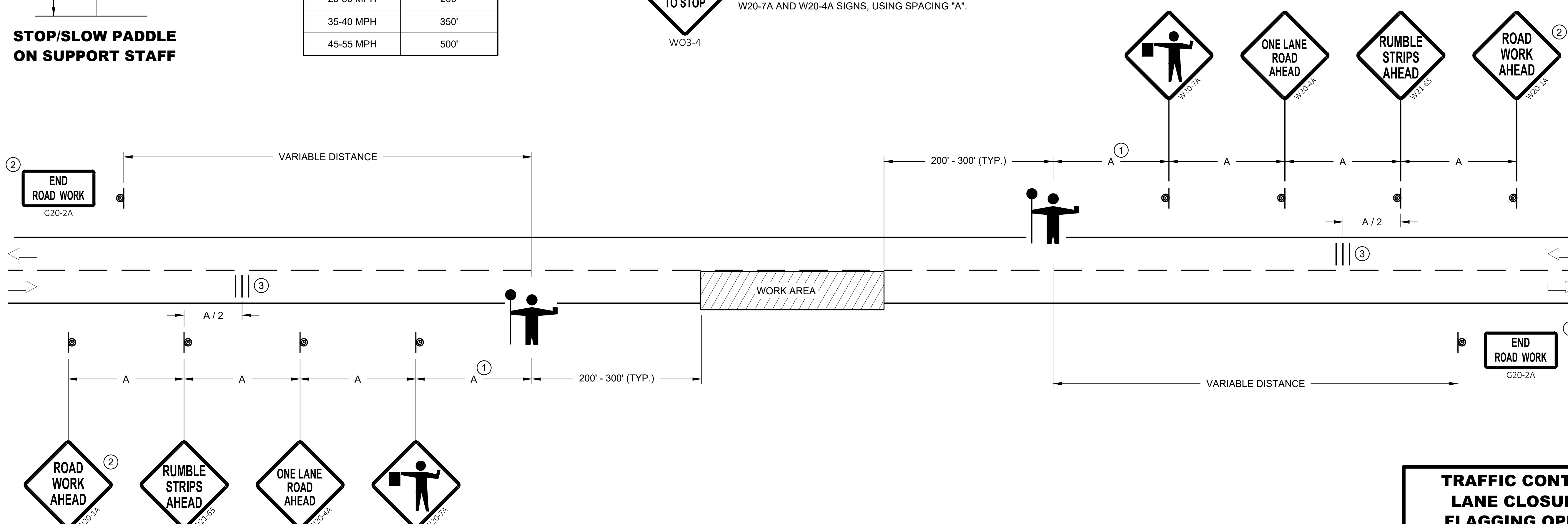


STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

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".



6

SDD 15C12 - 09a

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA

6

GENERAL NOTES

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL CONE 42-INCH
- TRAFFIC CONTROL DRUM
- TEMPORARY PORTABLE RUMBLE STRIP ARRAY
- DIRECTION OF TRAFFIC
- WORK AREA
- AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

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

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, 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.

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.

(1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

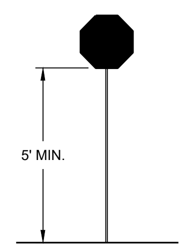
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

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

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.

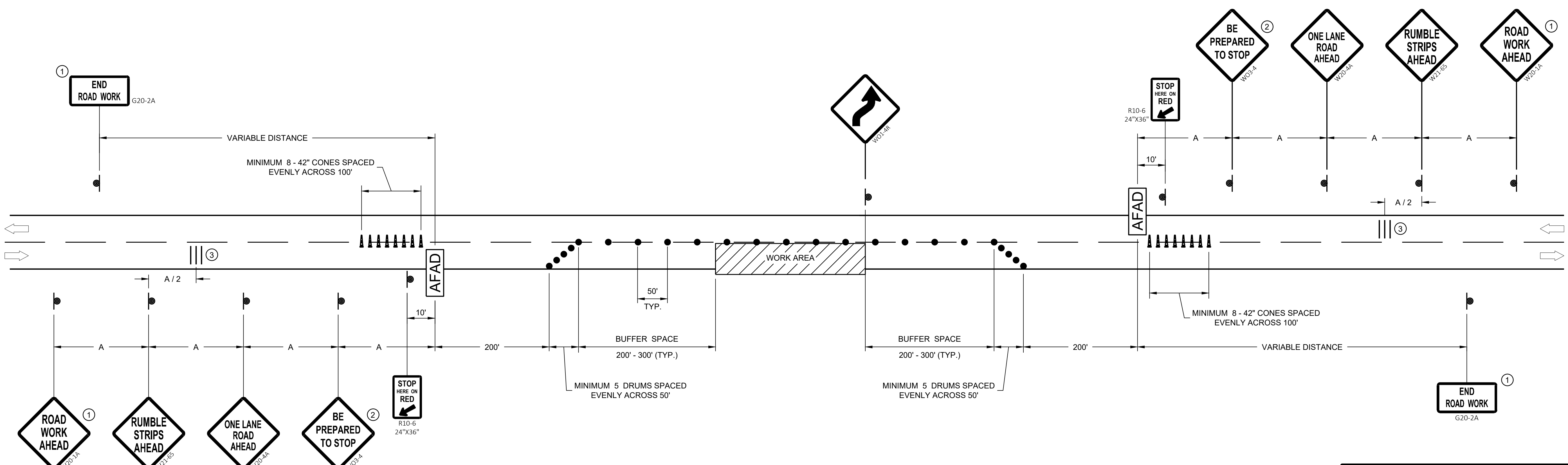
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



6

TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022 — DATE

/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

SDD 15C12 - 09b

SDD 15C12 - 09b

LEGEND

- **V1** LEAD VEHICLE
- **V2** MARKING VEHICLE
- **V3** SHADOW VEHICLE
- TRUCK MOUNTED ATTENUATOR (TMA)
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC

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.

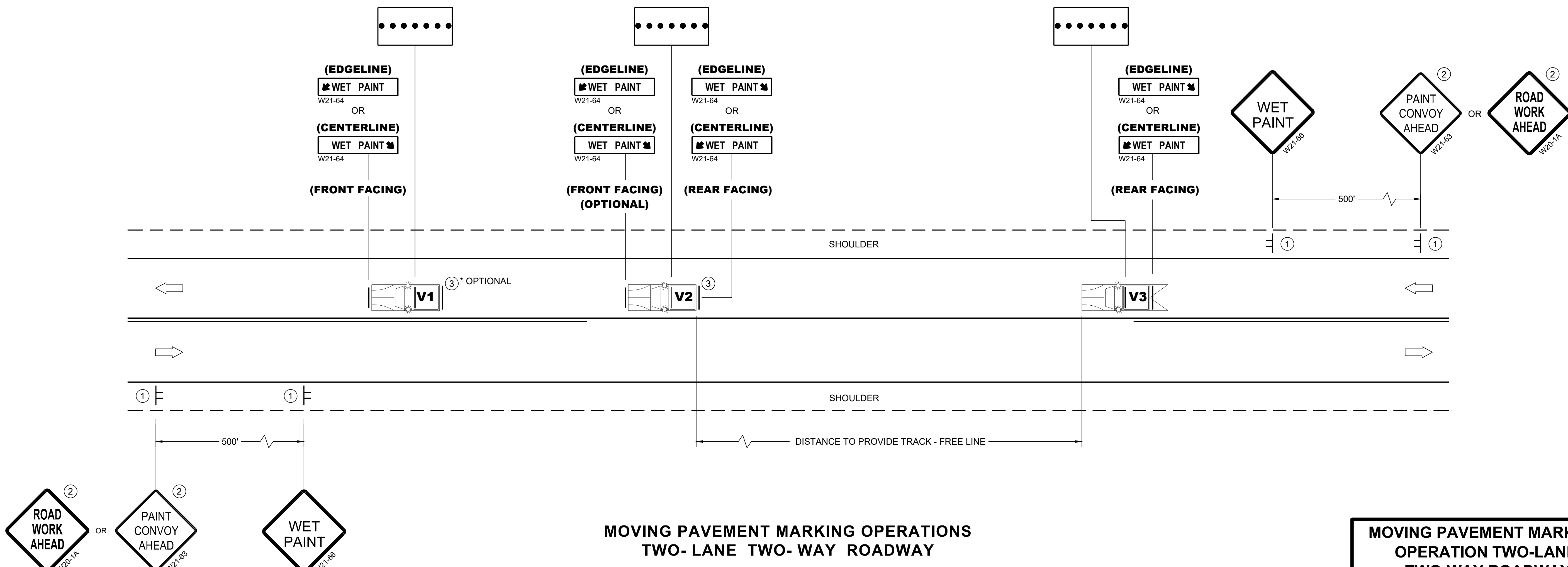
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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 AND AFTER EVERY MAJOR INTERSECTION.
2. IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.
3. V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

6

6

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

SDD 15C19-9a

SDD 15C19-9a

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

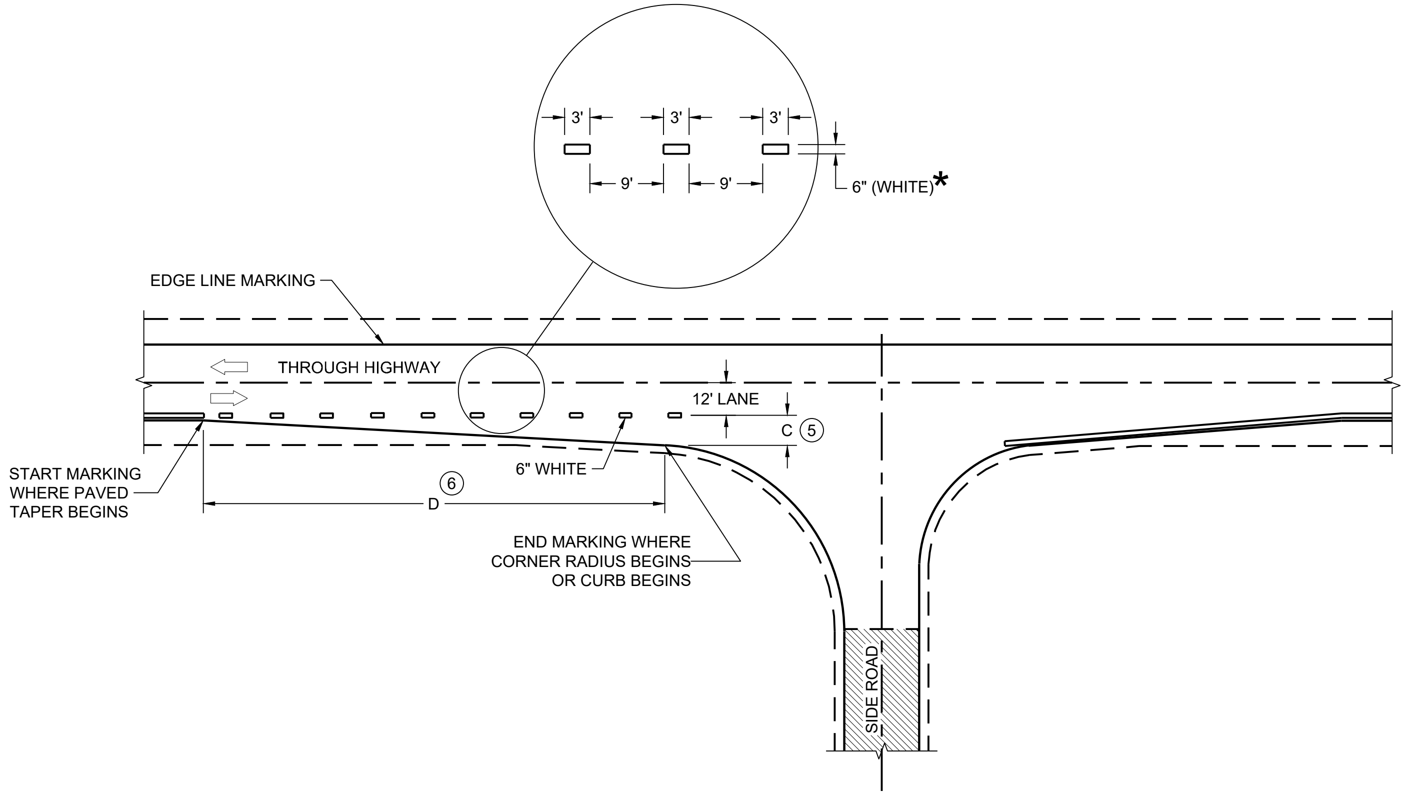
GENERAL NOTES

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

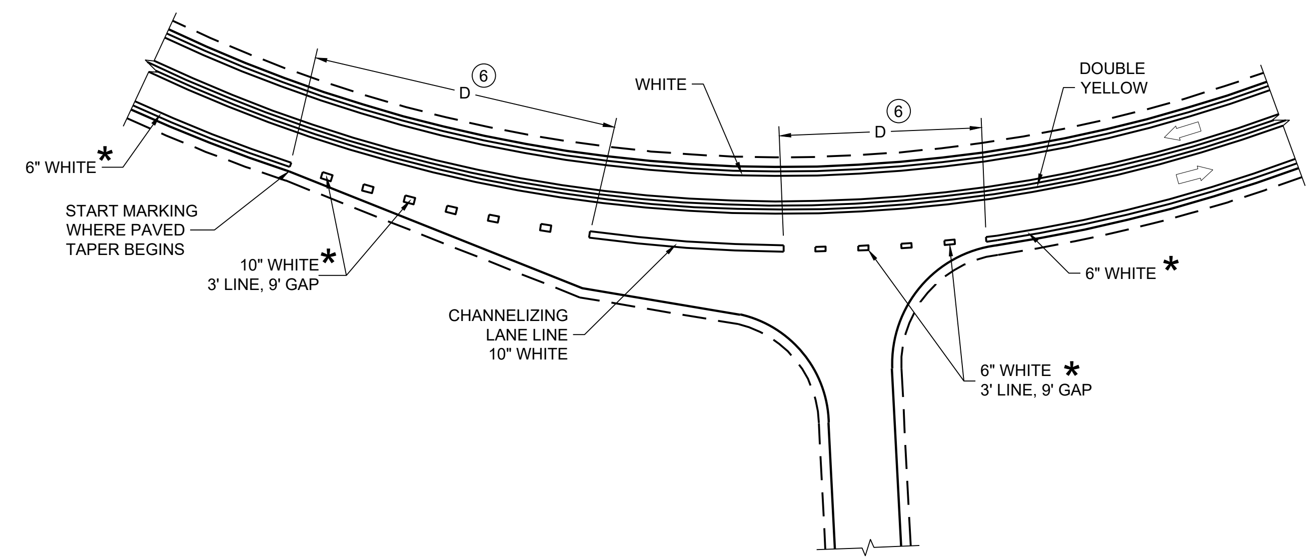
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

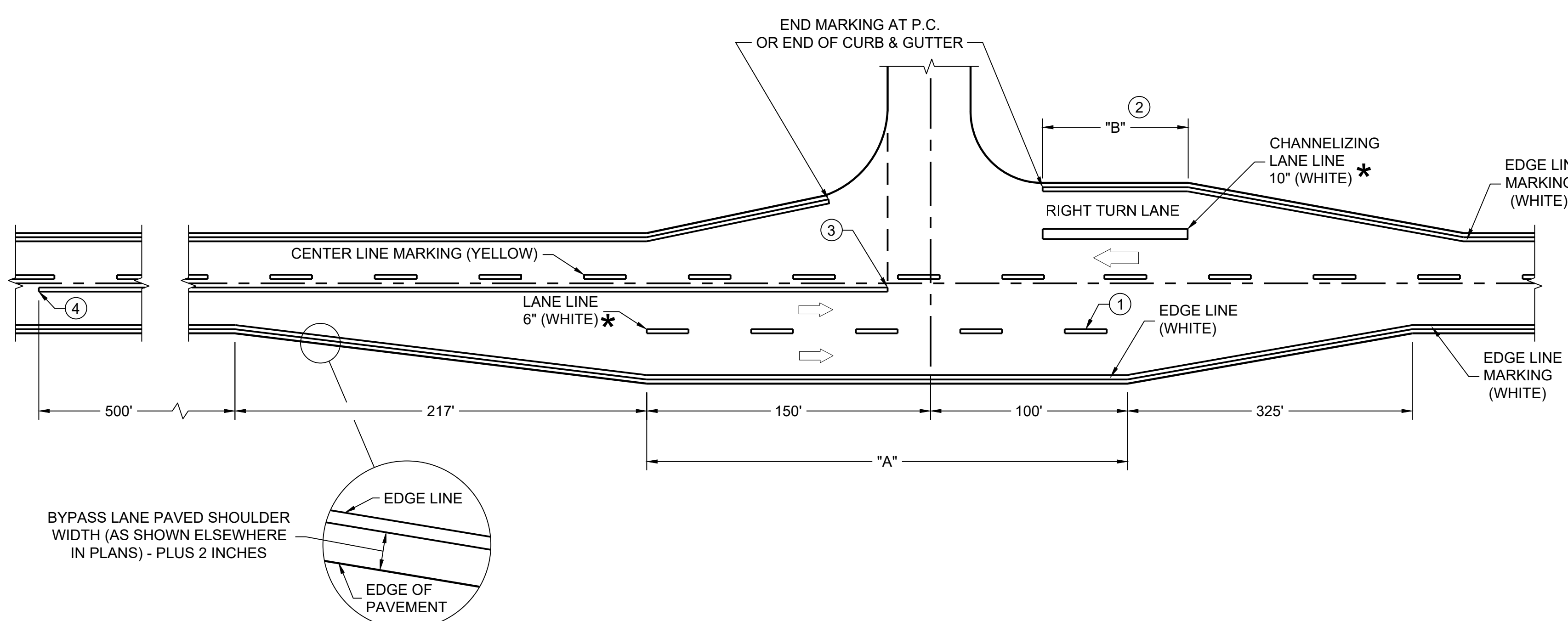
DIRECTION OF TRAVEL



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 15C35-06a

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

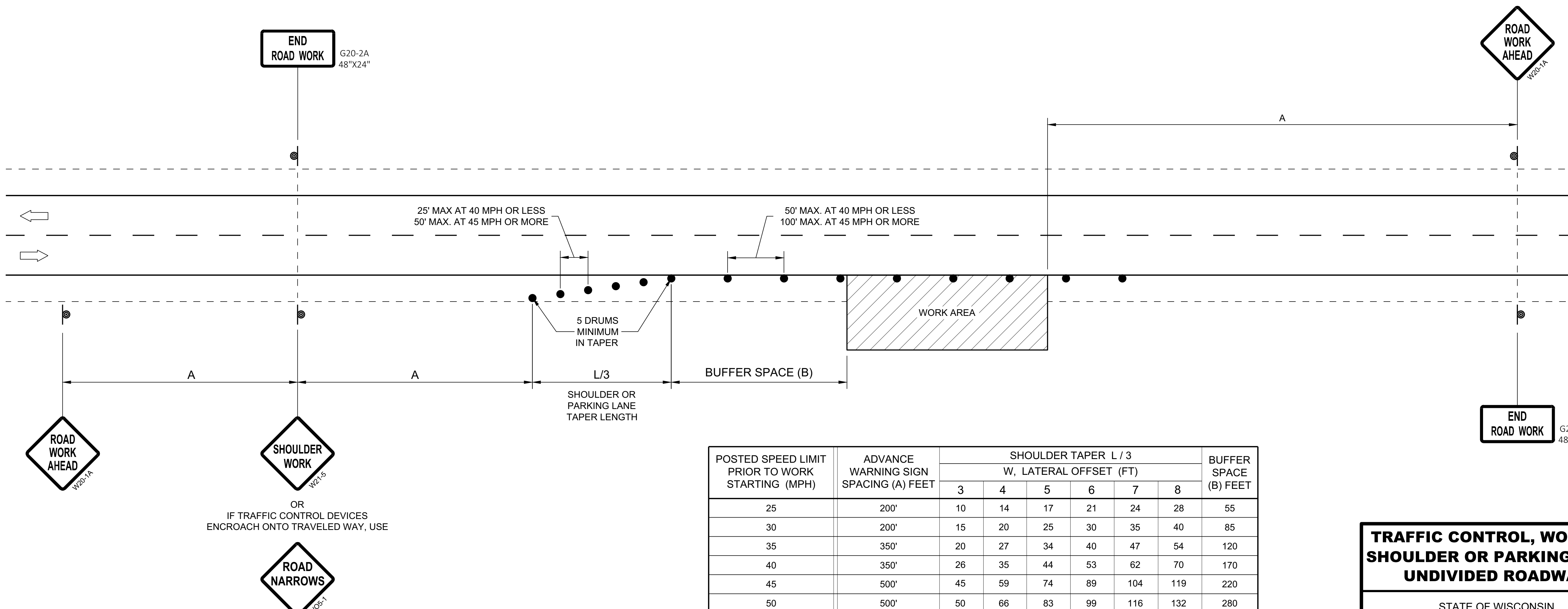
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

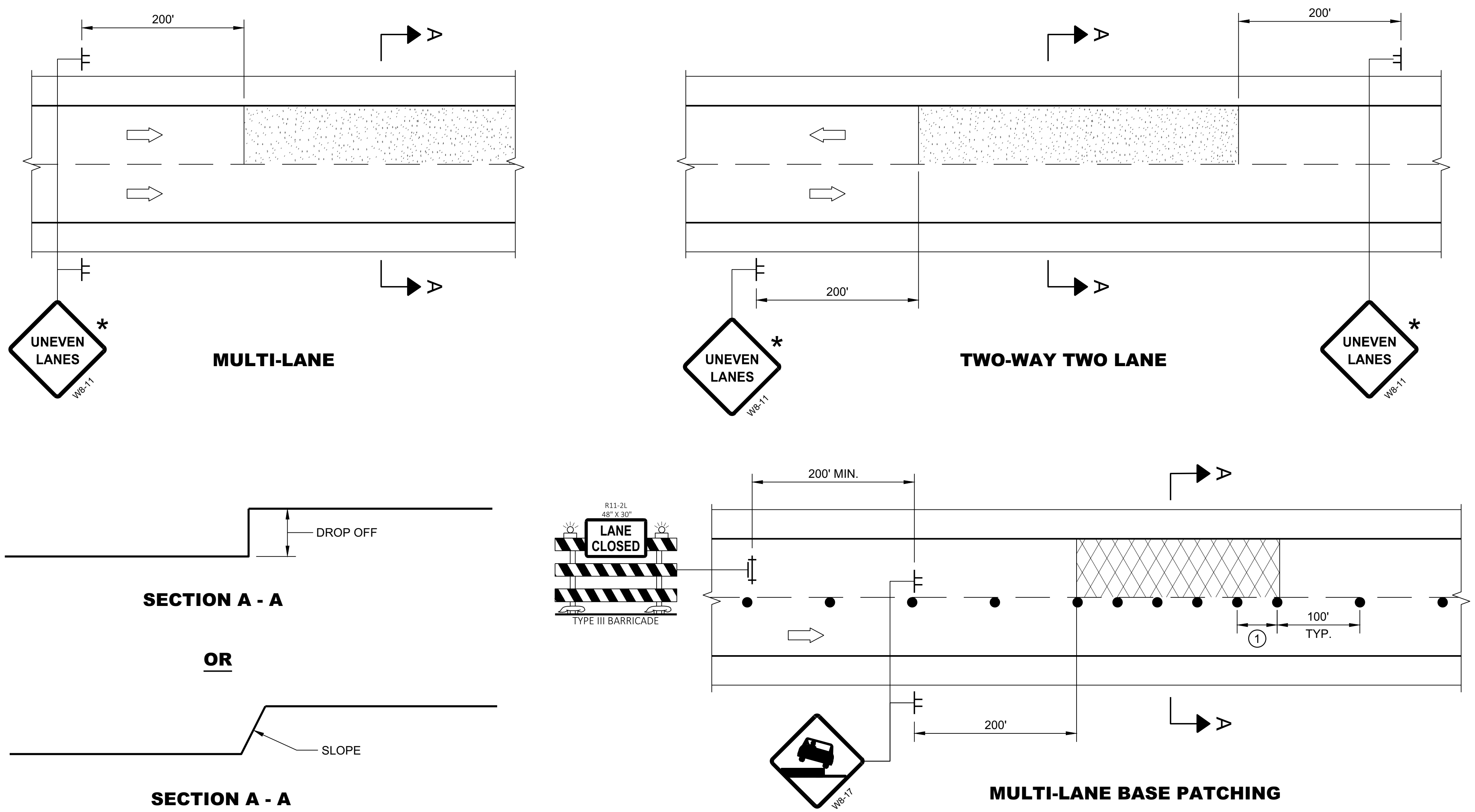
May 2020 — DATE

/S/ Andrew Heidtke — STATEWIDE WORK ZONE SAFETY ENGINEER

FHWA

6

SDD 15D28 - 04



ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

1 USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

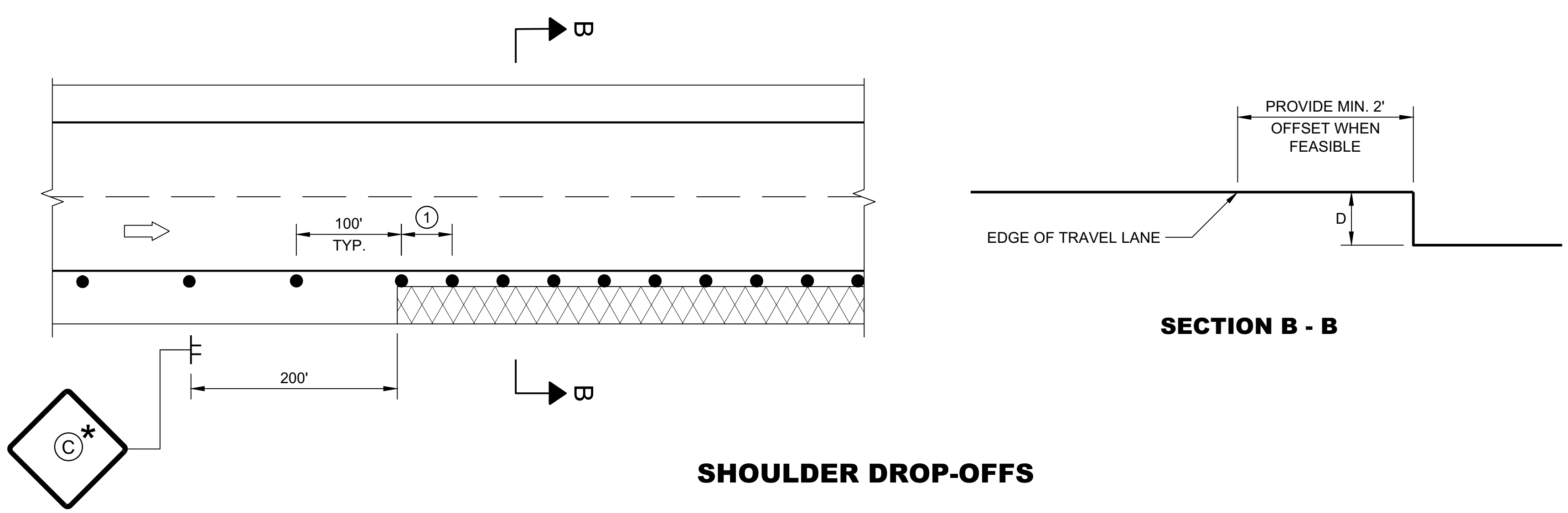
TYPE III BARRICADE WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

WORK AREA WITH DROP-OFF

MILLED SURFACE



SHOULDER DROP-OFFS

D	SIGN C
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

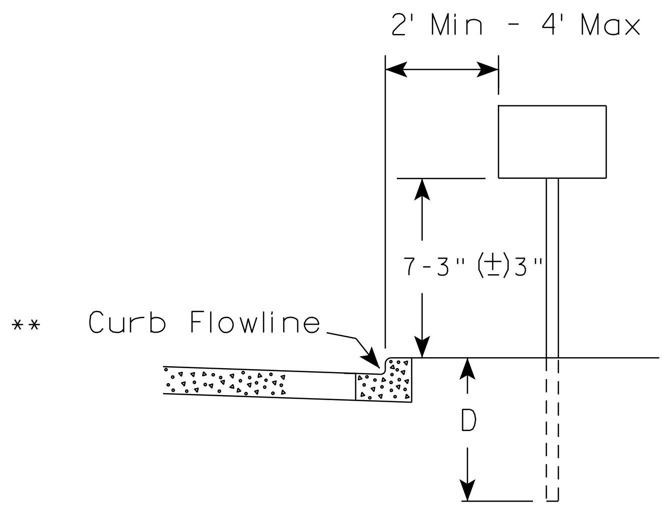
TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

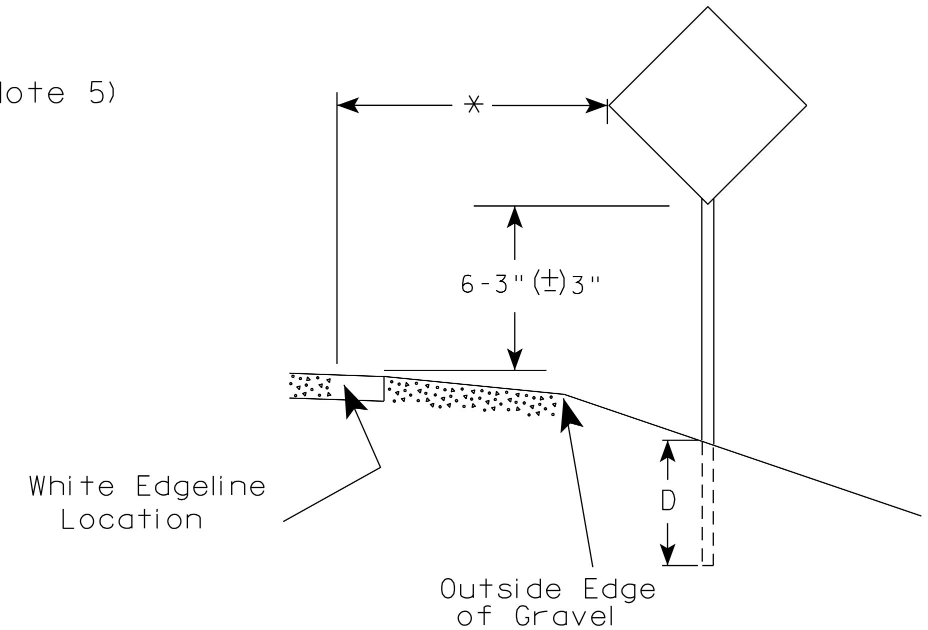
APPROVED
March 2018 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA

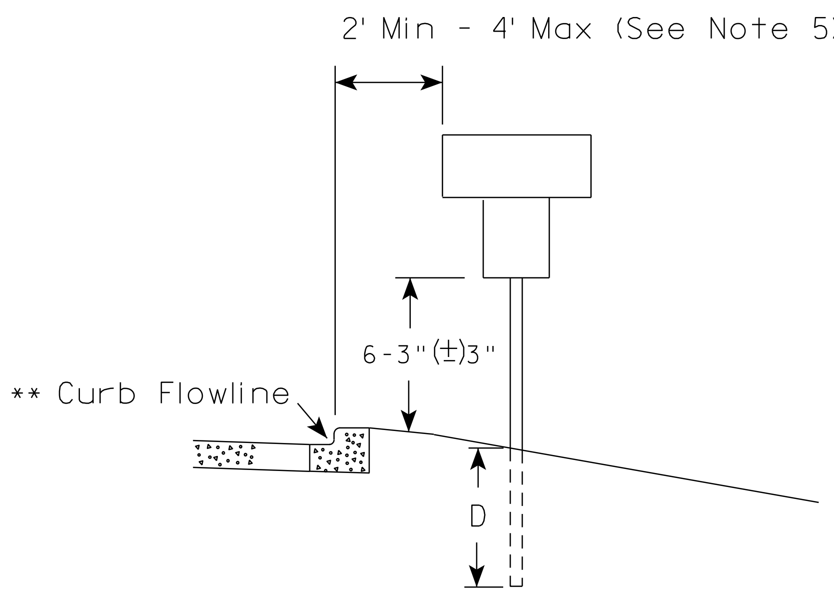
SDD 15D39 - 02
6

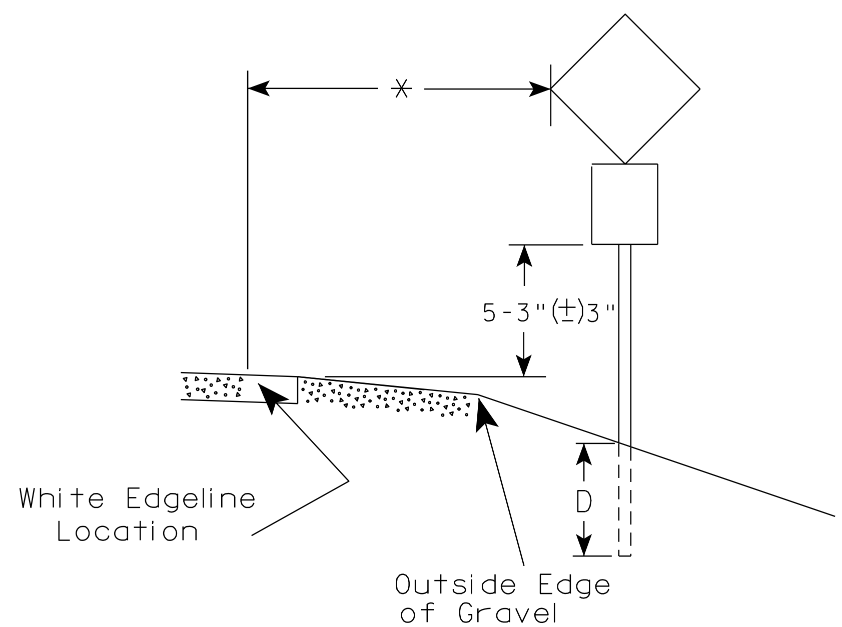
URBAN AREA



RURAL AREA (See Note 2)







GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

** 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.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

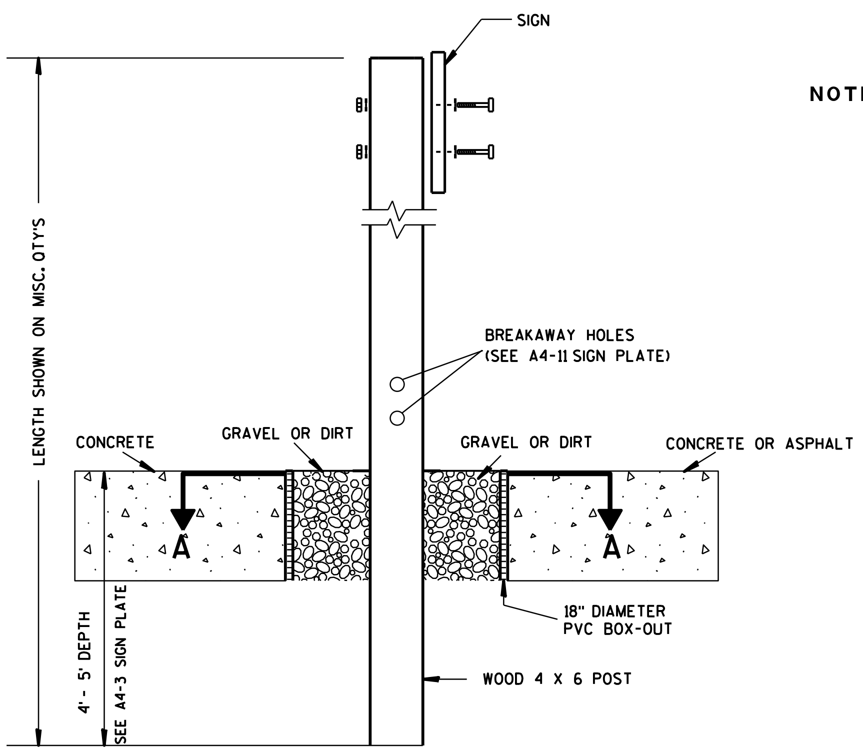
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 72	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.dgn PLOT DATE : 6-DEC 2023 11:26 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES: 1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION

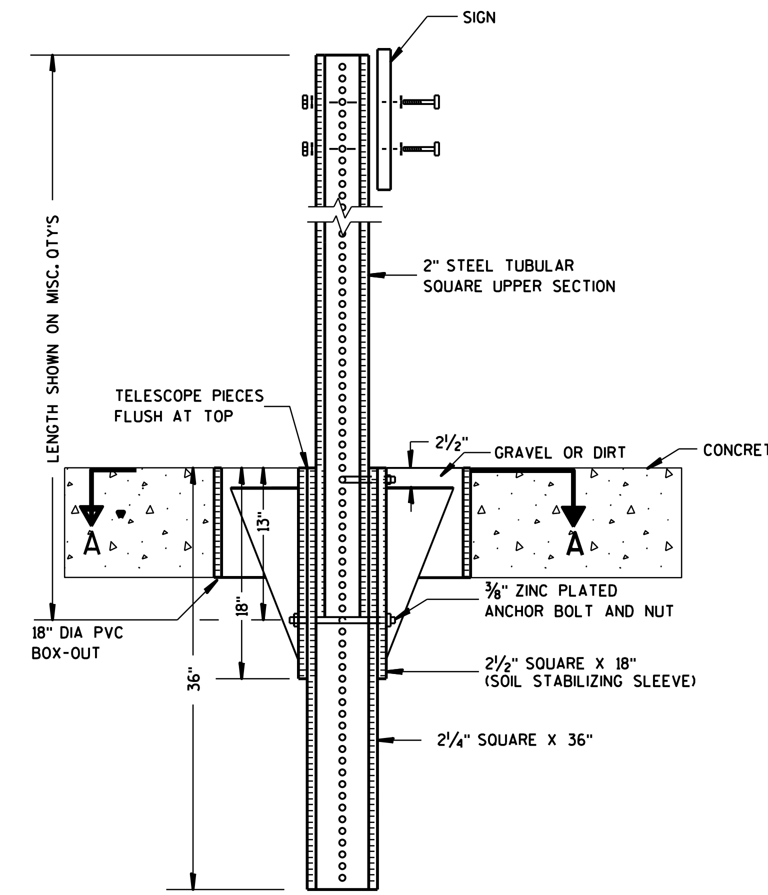
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS

3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



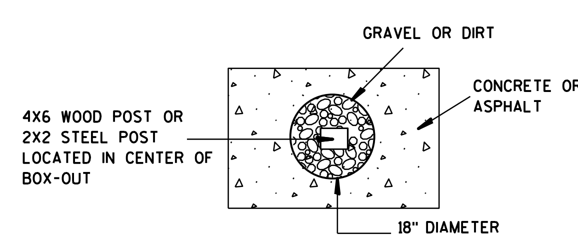
ELEVATION VIEW

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



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

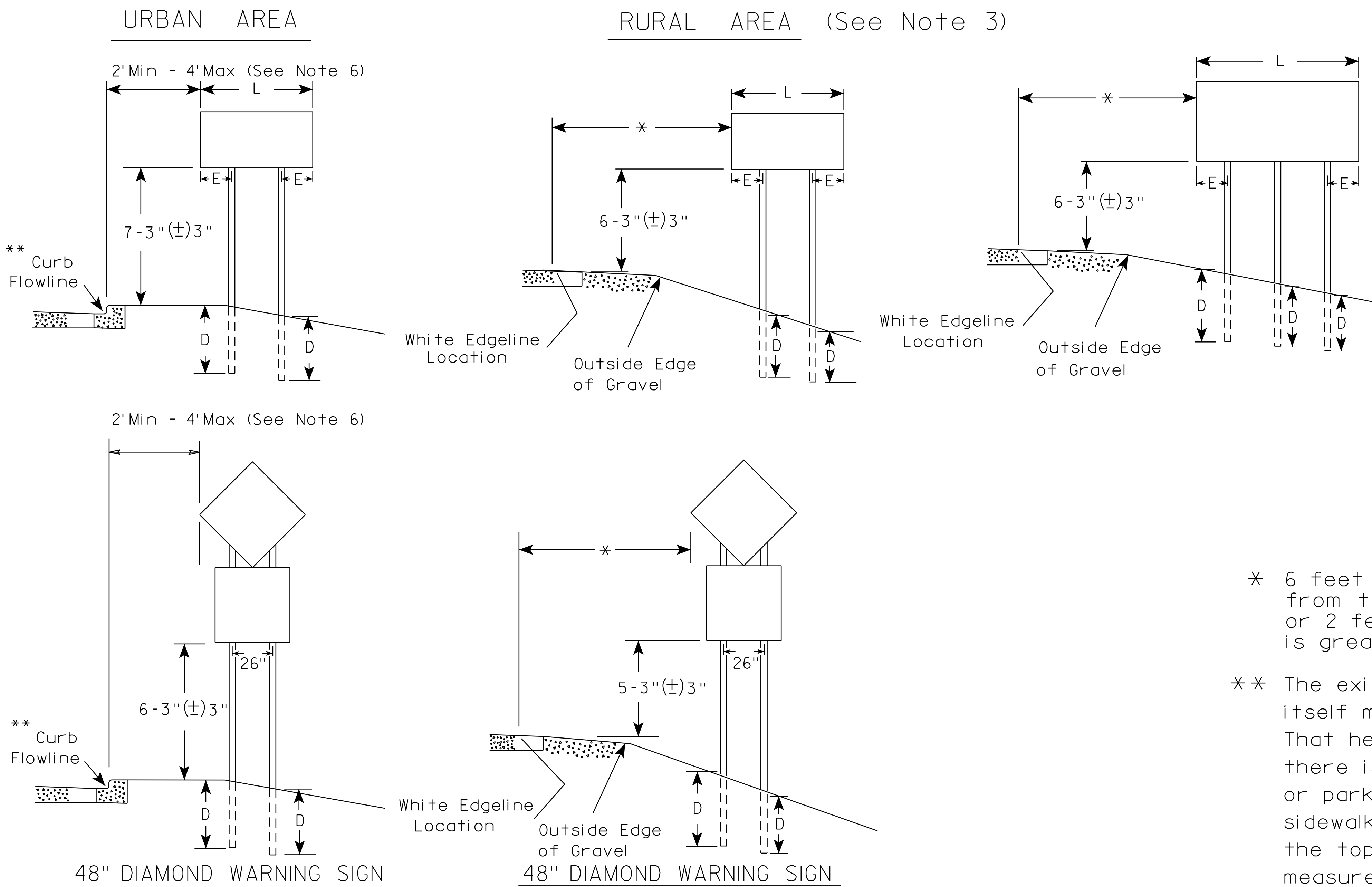
APPROVED Matthew R Rauch

for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

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"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

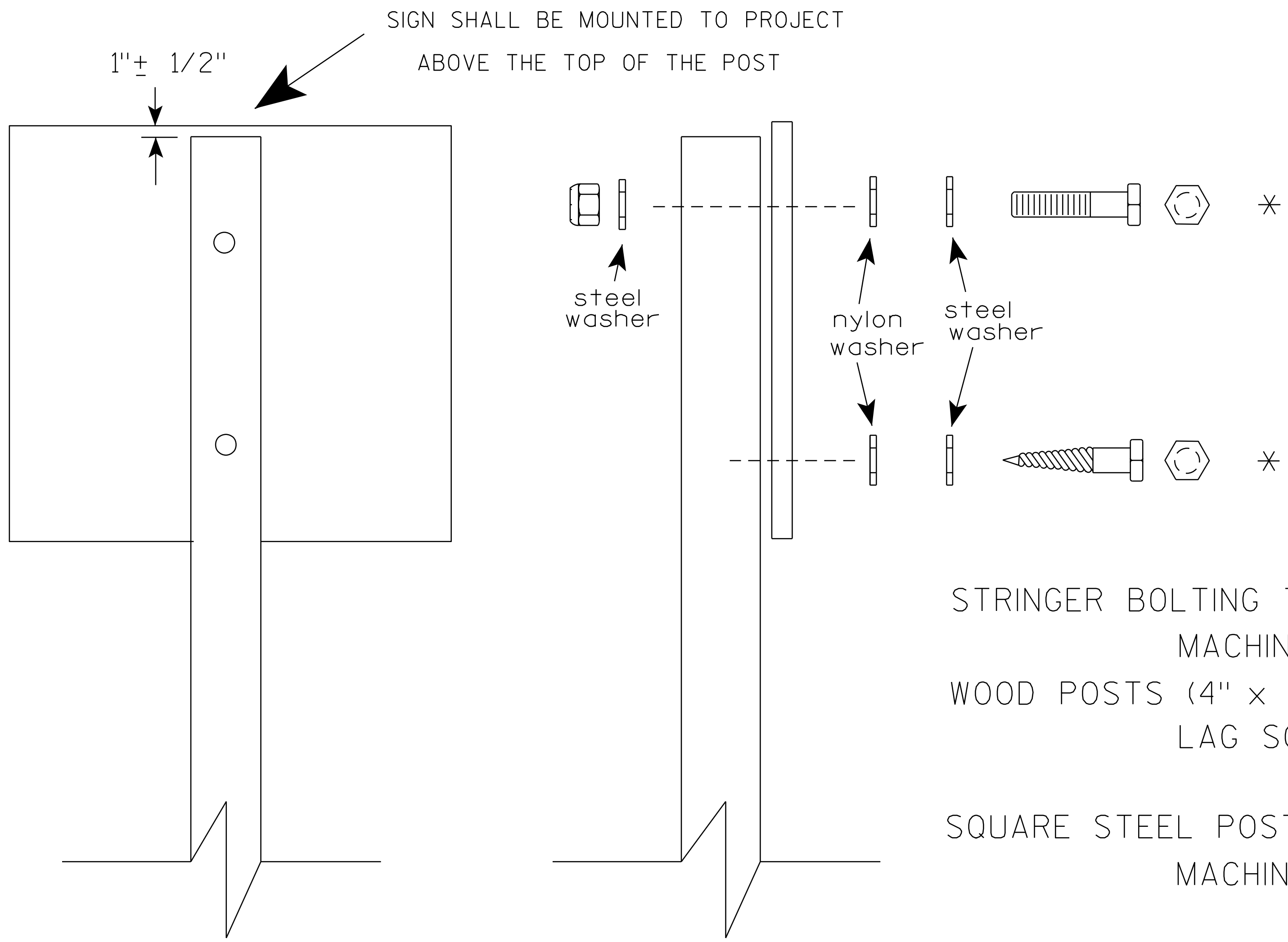
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 74 | 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.

7

7

ATTACHMENT OF SIGNS TO POSTS

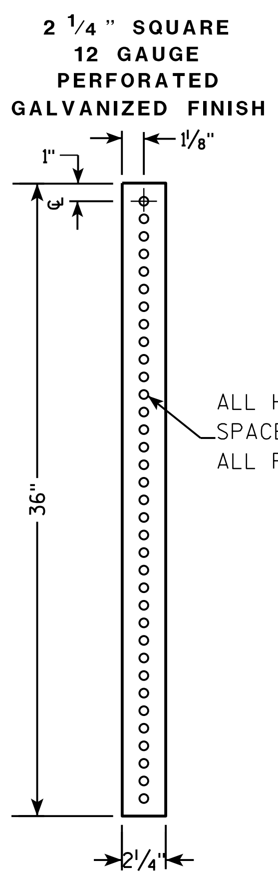
WISCONSIN DEPT OF TRANSPORTATION

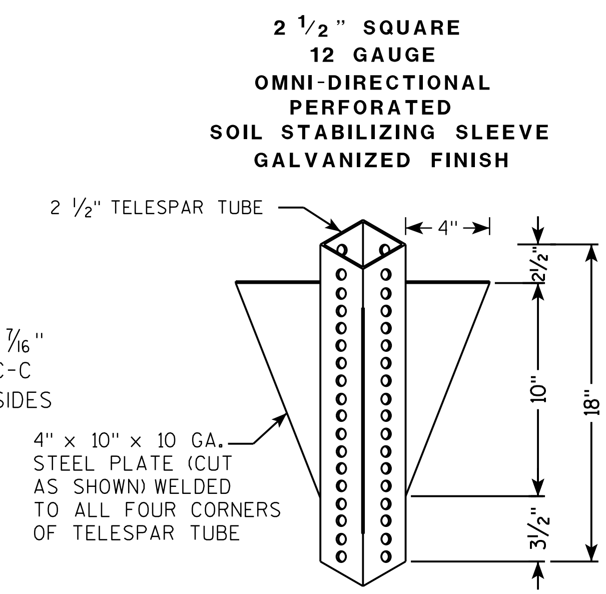
APPROVED Matthew R Rauch
for State Traffic Engineer

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

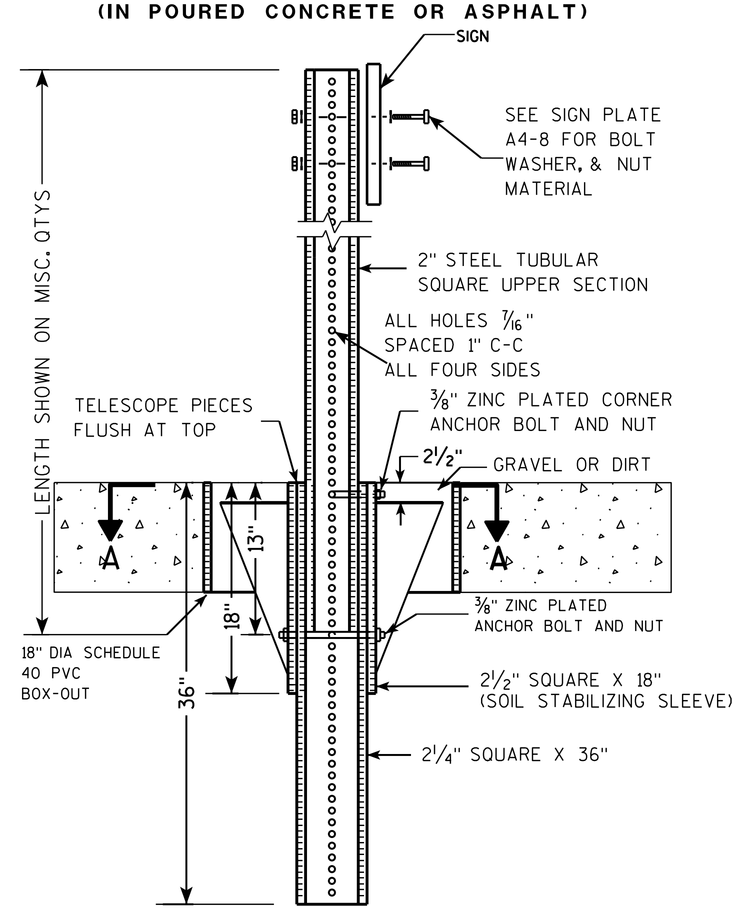
PROJECT NO: | SHEET NO: 75 | E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

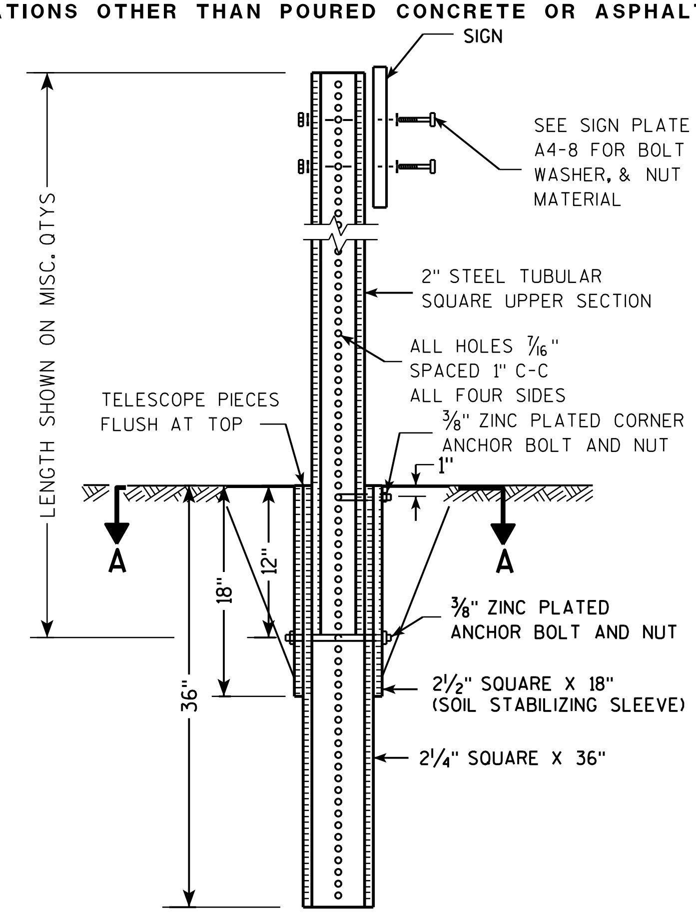


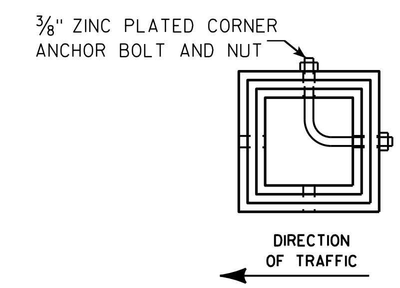


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

7

7

TUBULAR STEEL
SIGN POST
A4-9

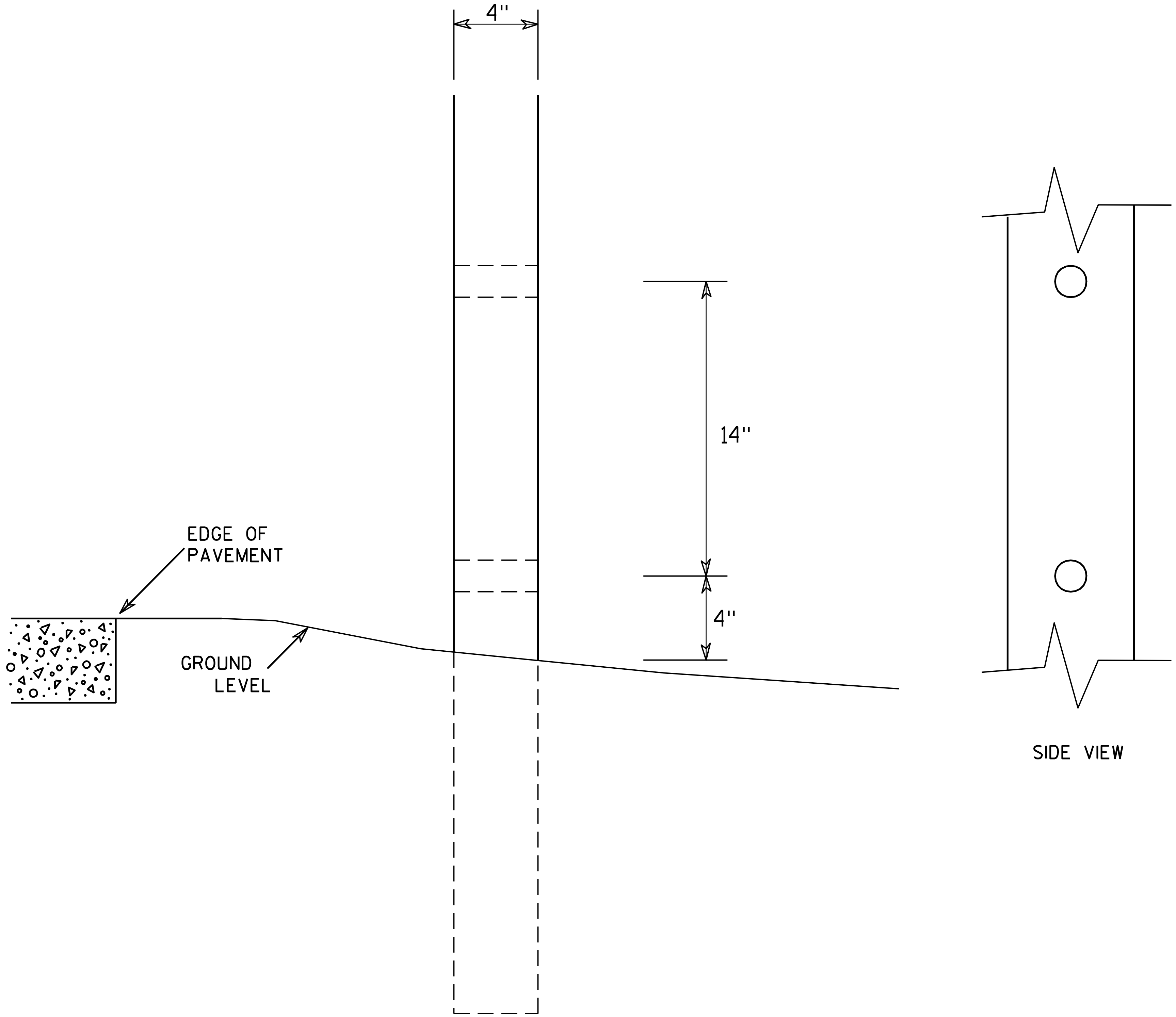
WISCONSIN DEPT OF TRANSPORTATION

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 : mscsjo PLOT NAME : PLOT SCALE : 13.659812:1.000000



GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two $1\frac{1}{2}$" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

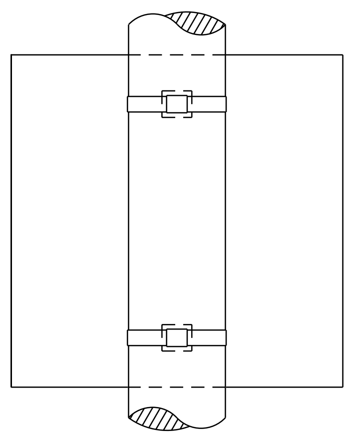
APPROVED Chester J Spang
for State Traffic Engineer

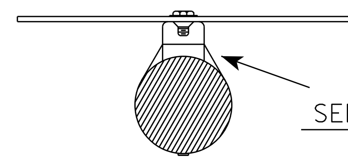
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 77	E

BANDING

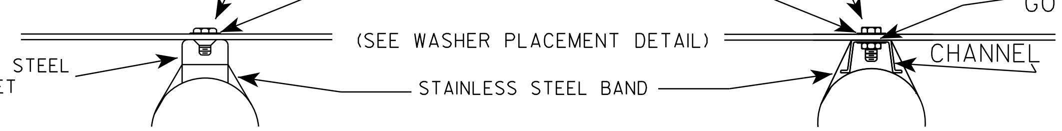
SINGLE SIGN



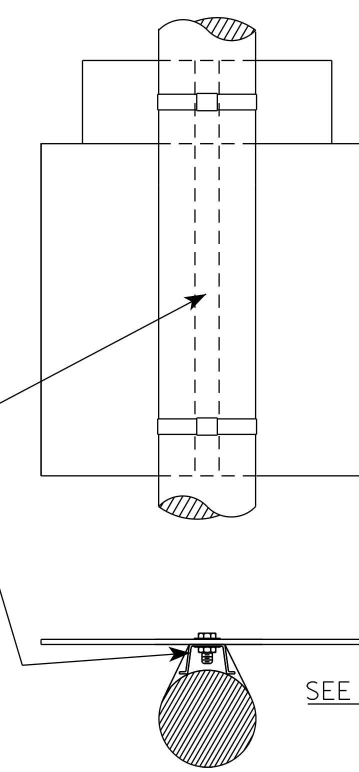


GENERAL NOTES

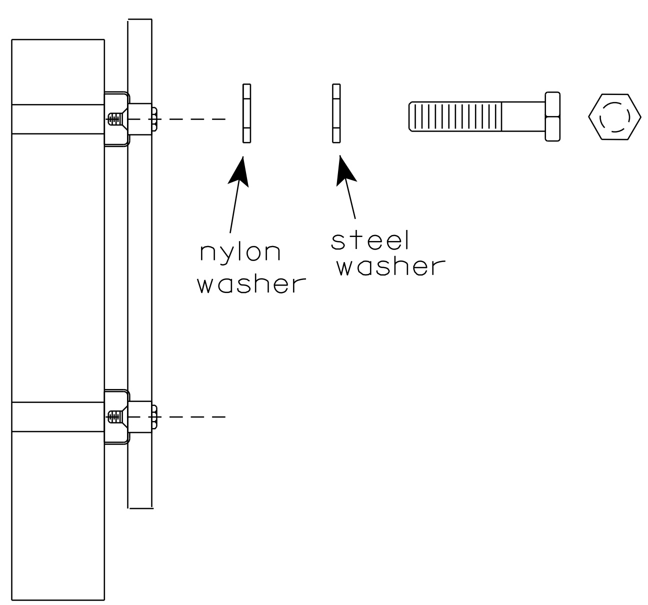
1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3



"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X⅜" I.D. X¹⁄₁₆" STEEL
1-1/4" O.D. X⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

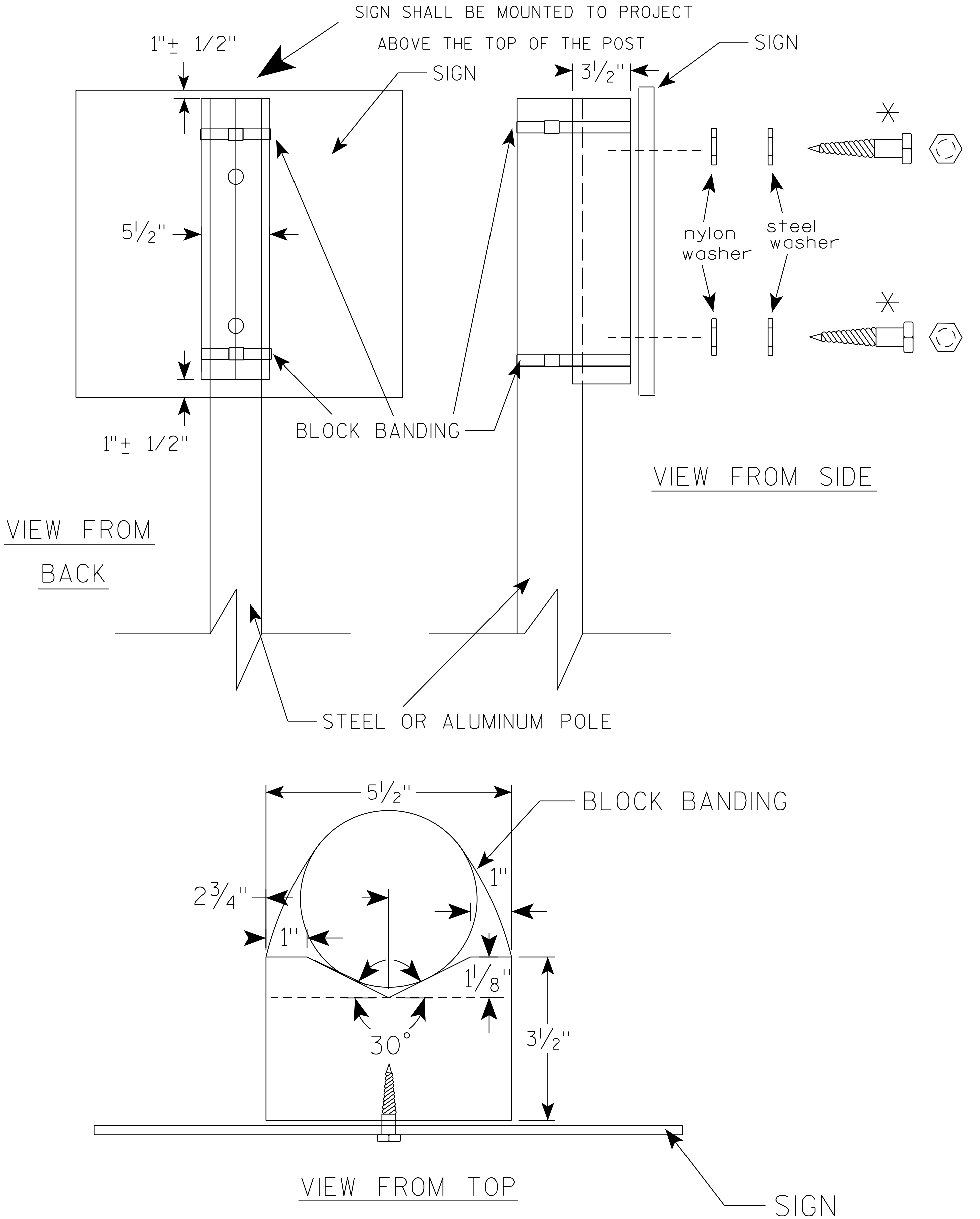
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 78	E



GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

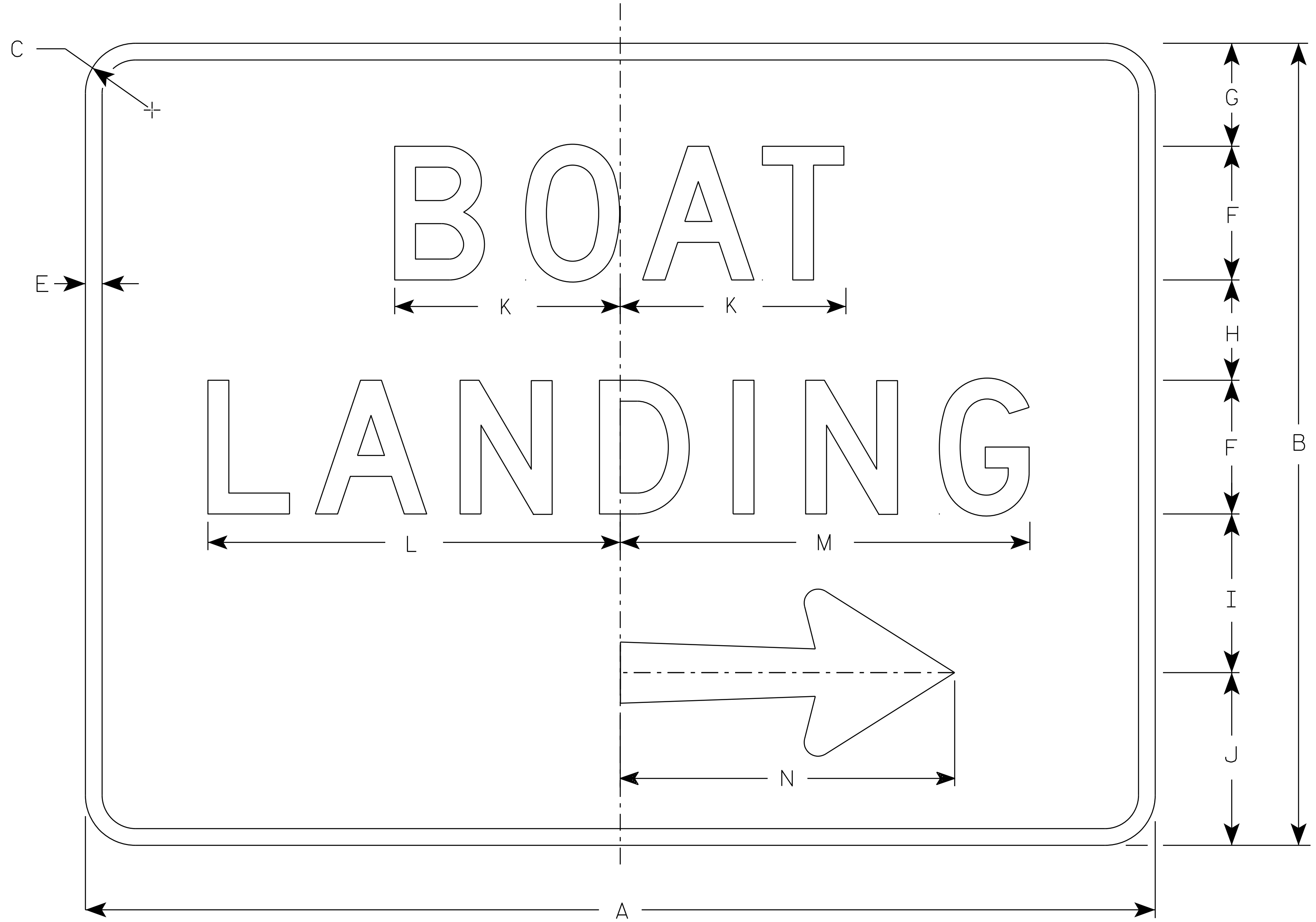
BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

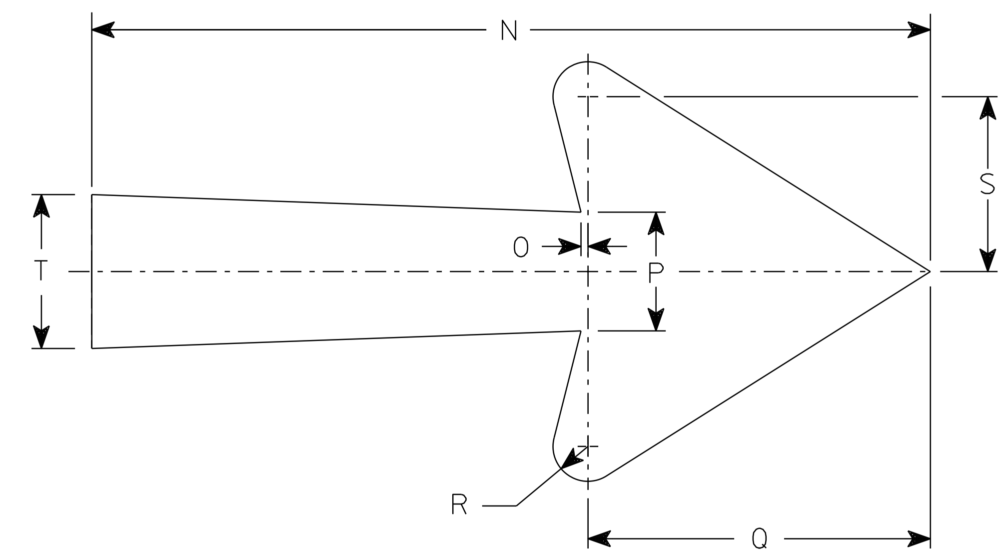
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO: | SHEET NO: 79 | E



D7-56R



Arrow Detail

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Brown
   Message - White
3. Message Series - D
4. D7-56L is the same as D7-56R except the arrow is reversed.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	48	36	2 1/4		3/4	6	4 5/8	4 1/2	7 1/8	7 3/4	10 1/8	18 1/2	18 3/8	15	1/8	2 1/8	6 1/8	5/8	3 1/8	2 3/4							12.0
3	60	48	3		1	8	6	6	10	10	13 1/2	23 3/8	23 3/8	21	1/4	2 3/4	7 7/8	3/4	4	4 1/4							20.0
4																											
5																											

STANDARD SIGN
D7-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

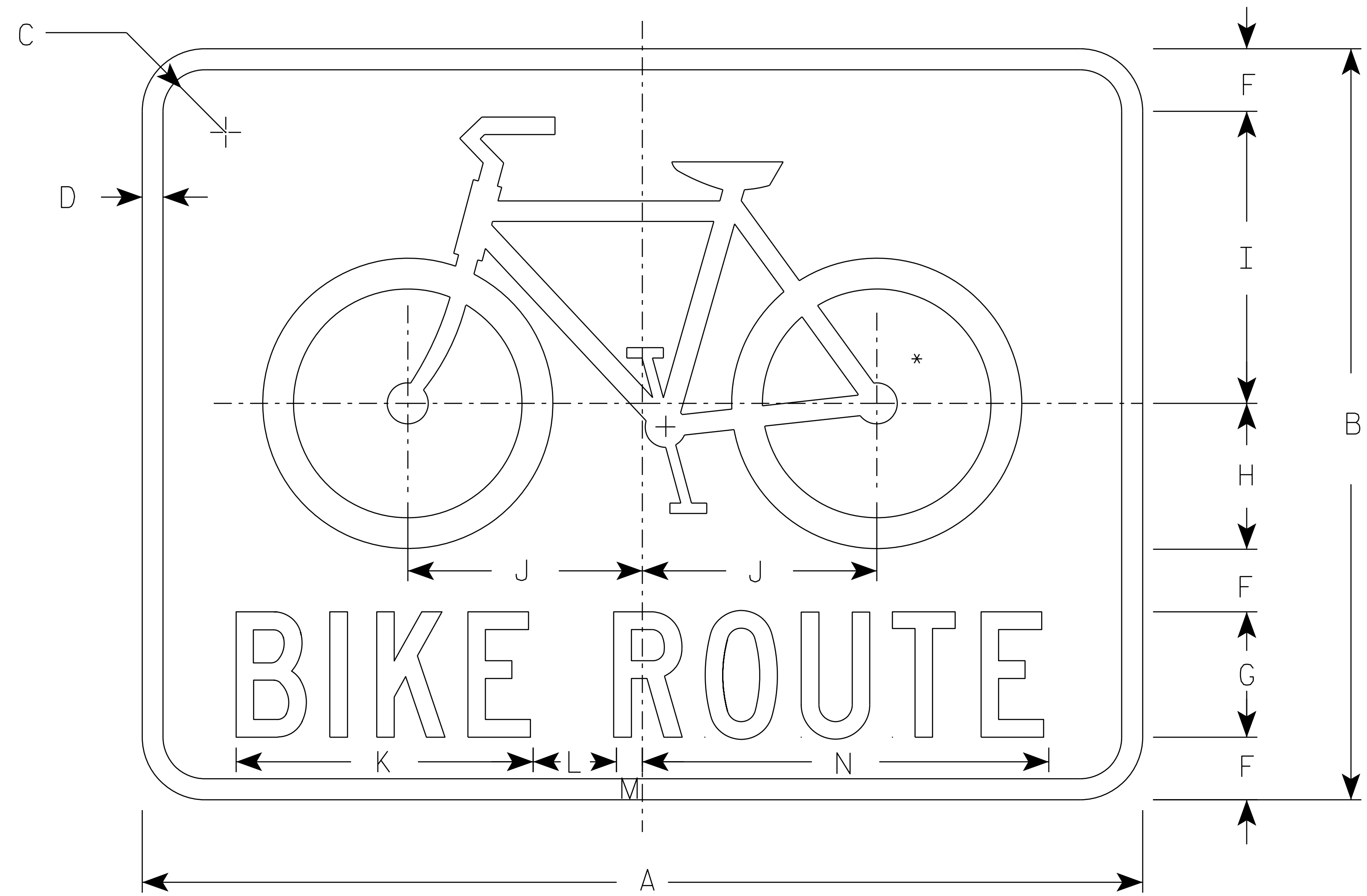
DATE 4/9/19 PLATE NO. D7-56.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 80 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\D756.dgn PLOT DATE : 9-APR-2019 3:09 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - C



* See W11-1 for symbol design

D11-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
2M	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
3	30	24	1 1/2	5/8		2	4	4 3/4	9 1/4	7 1/2	9 1/2	2 5/8	7/8	13													5.0
4																											
5																											

STANDARD SIGN
D11-1

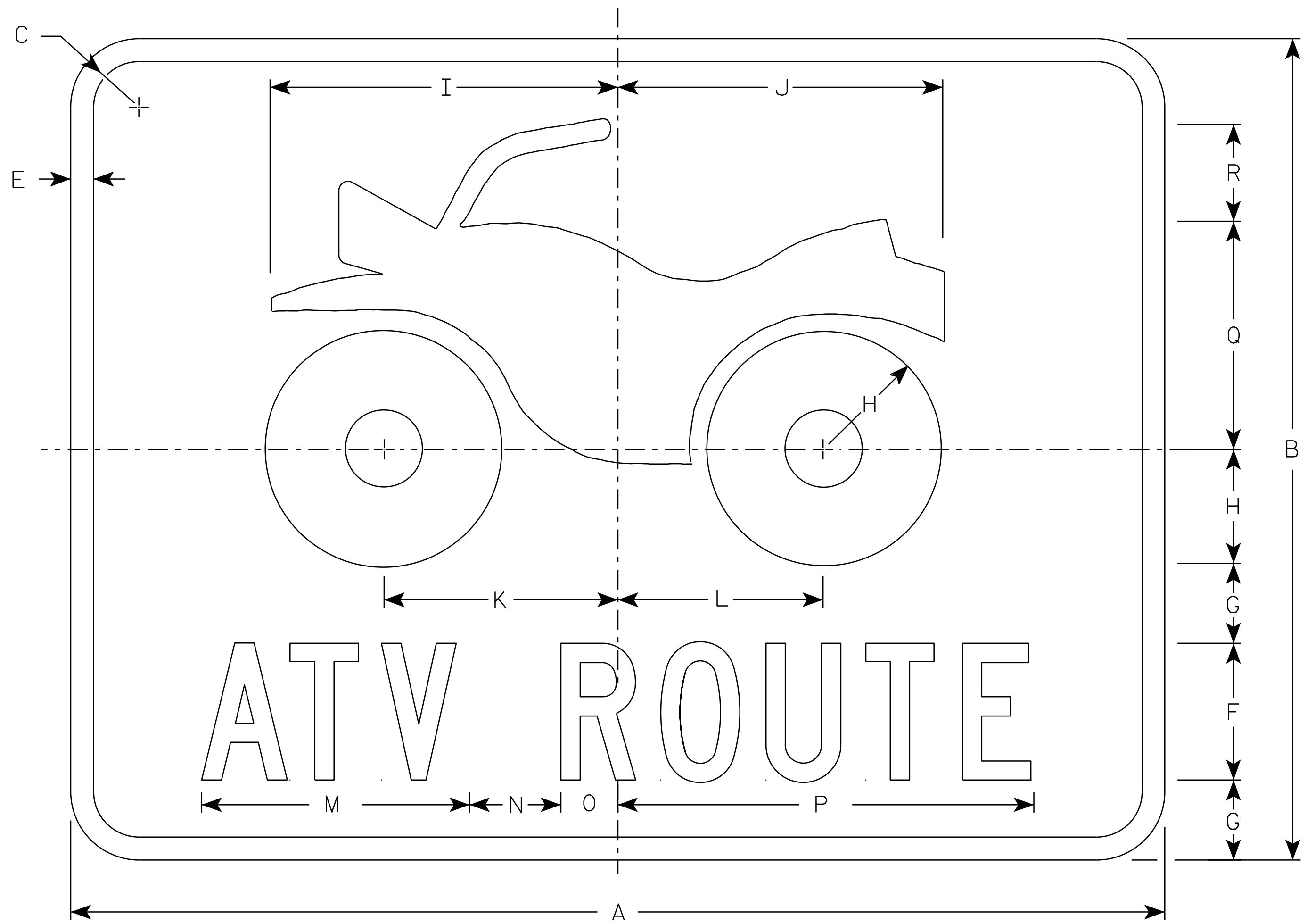
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/25/2023 PLATE NO. D11-1.3

PROJECT NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\D111.dgn PLOT DATE : 25-MAR 2023 2:15 PLOT BY : dotc4c



D11-10

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   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																											
2S	24	18	1 1/2		1/2	3	1 3/4	2 1/2	7 5/8	7 1/8	5 1/8	5 1/2	5 7/8	2	1 1/4	9 1/8	5	2 1/8									3.0
2M	24	18	1 1/2		1/2	3	1 3/4	2 1/2	7 5/8	7 1/8	5 1/8	5 1/2	5 7/8	2	1 1/4	9 1/8	5	2 1/8									3.0
3																											
4																											
5																											

STANDARD SIGN
D11-10

WISCONSIN DEPT OF TRANSPORTATION

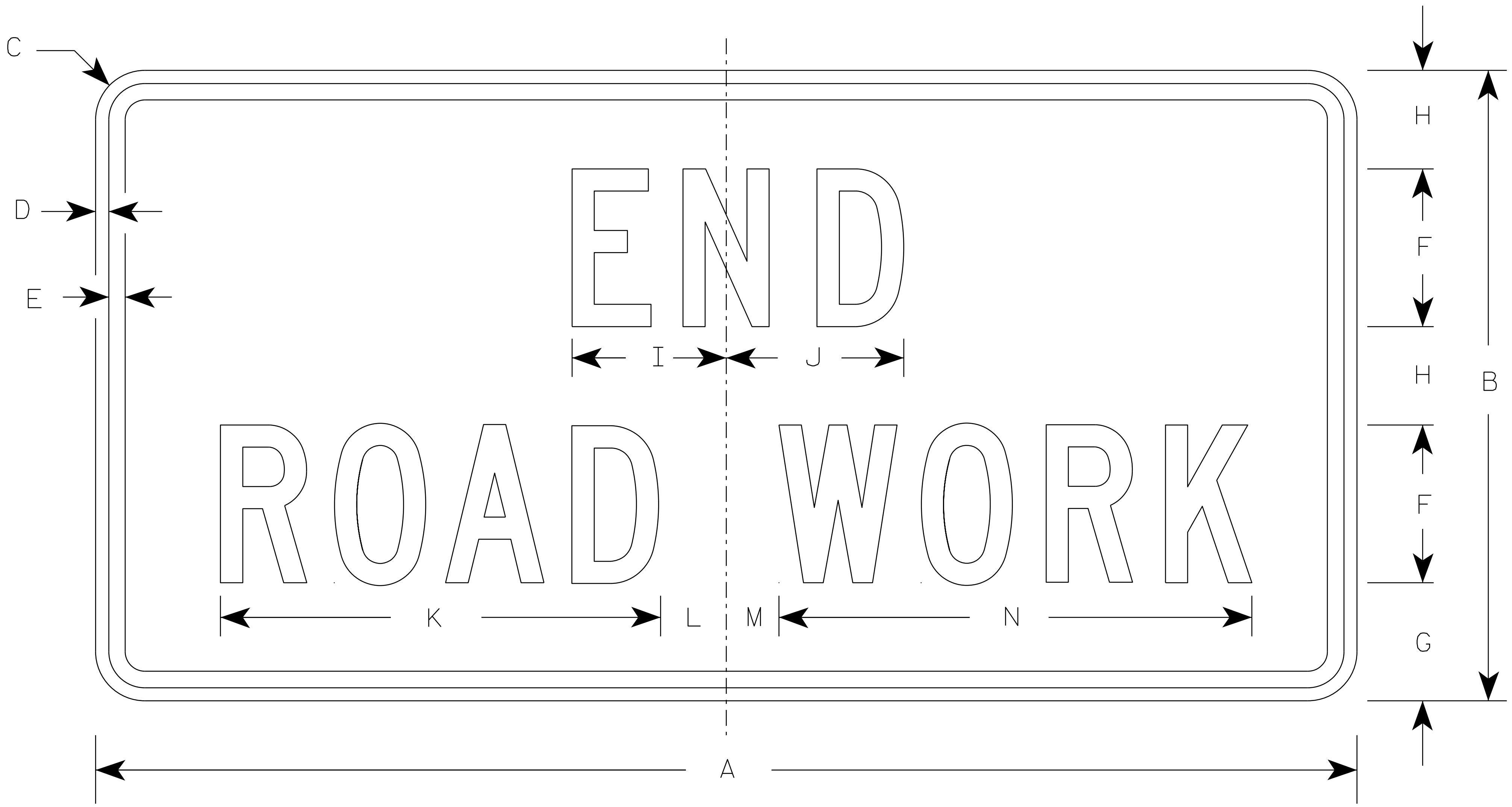
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2023 PLATE NO. D11-10.6

PROJECT NO:

SHEET NO: 82

E



G20-2A

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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

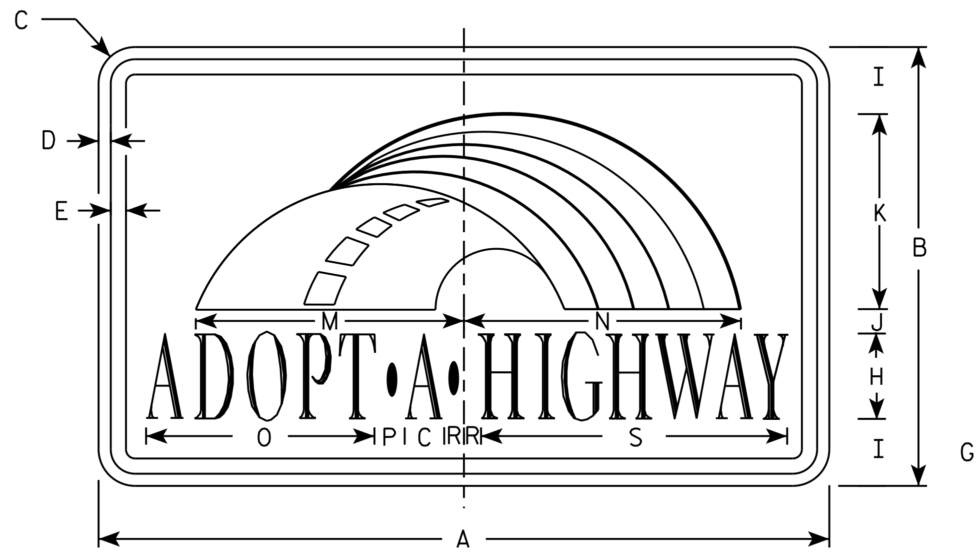
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

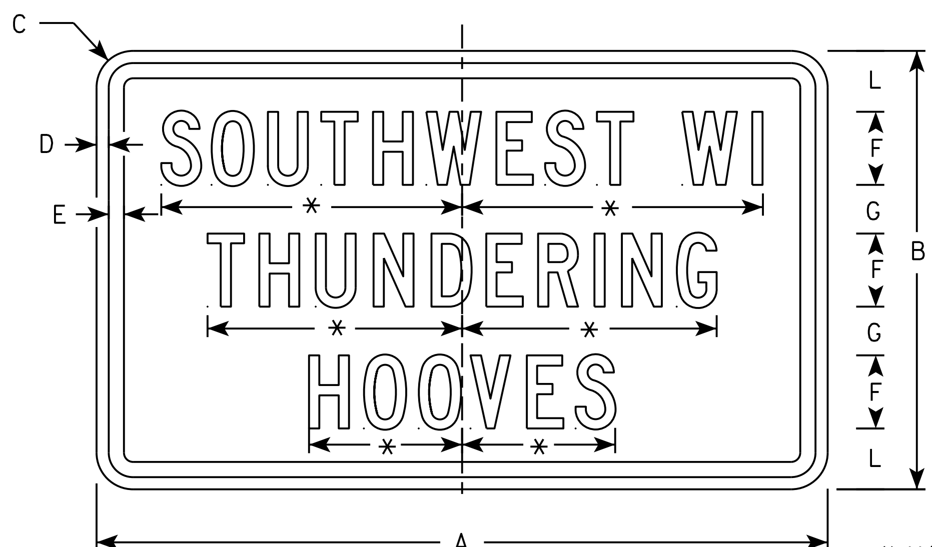
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: HWY: COUNTY: SHEET NO: E



I55-56

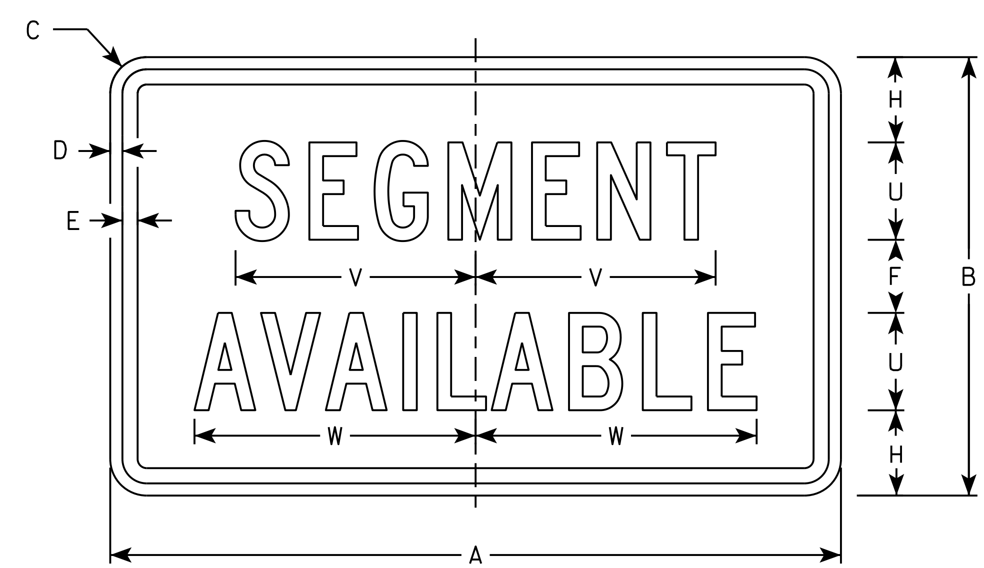


I55-56P

* VARIES

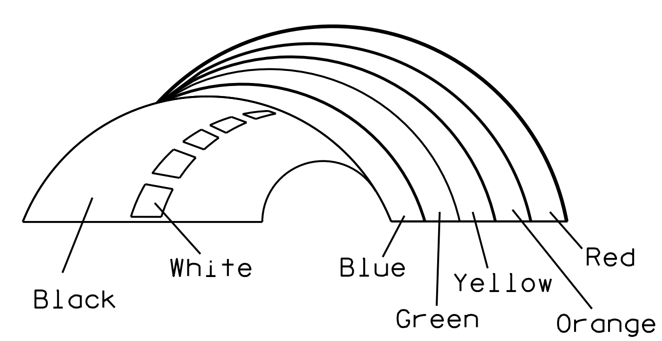
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - (See Note 4)
3. Message Series - (See Note 5)
4. Border - Blue
   Adopt a Highway - Red
   All other Text - Blue
5. Adopt a Highway - Dutch 8011L
   All other Text - Series C
6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



I55-56S

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 3/4	1	8	2 1/2	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

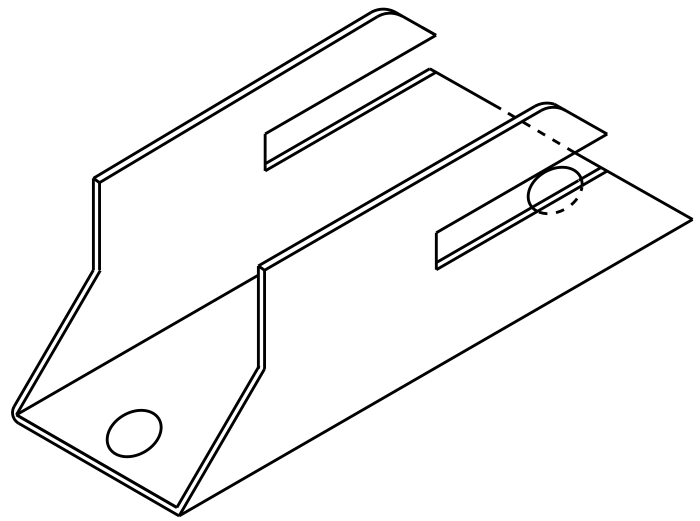
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: HWY: COUNTY: SHEET NO: 84 E

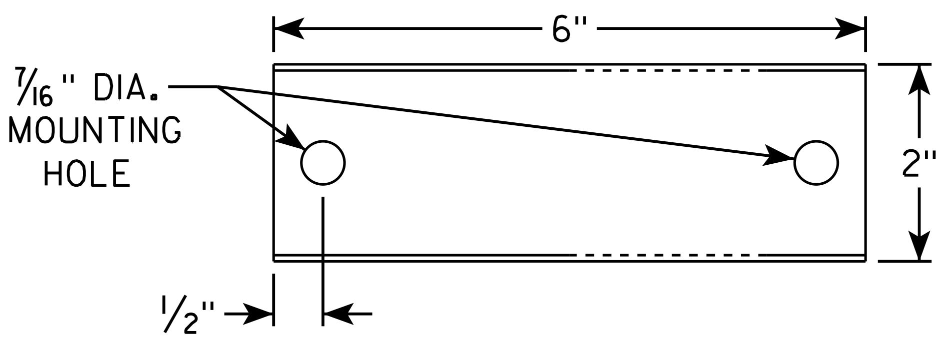
7

7

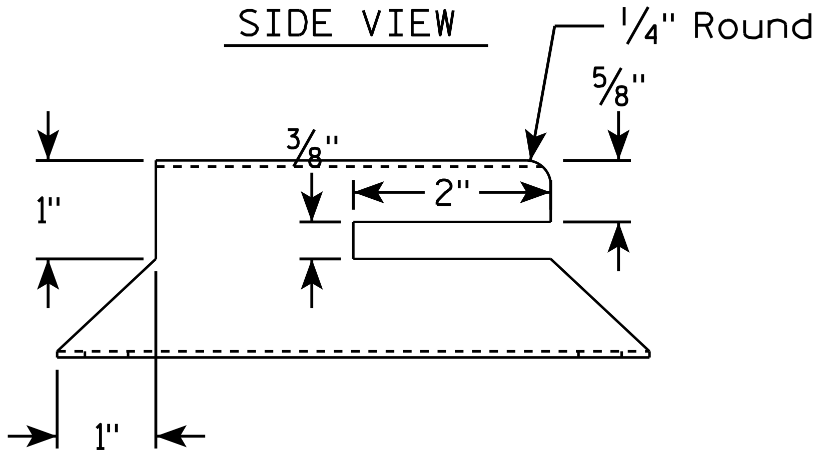
ISOMETRIC VIEW



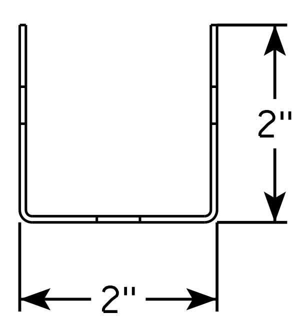
TOP VIEW



SIDE VIEW



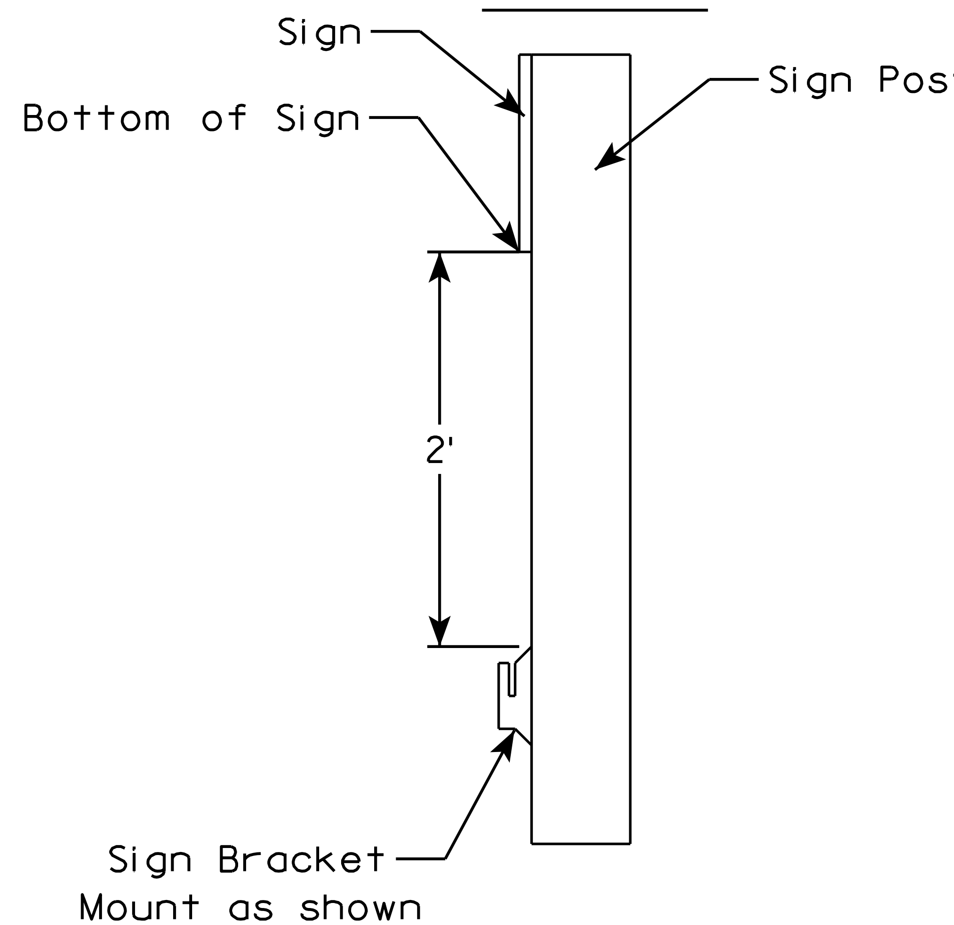
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1⁄8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



7

7

ROLLUP SIGN BRACKET
I55-56B

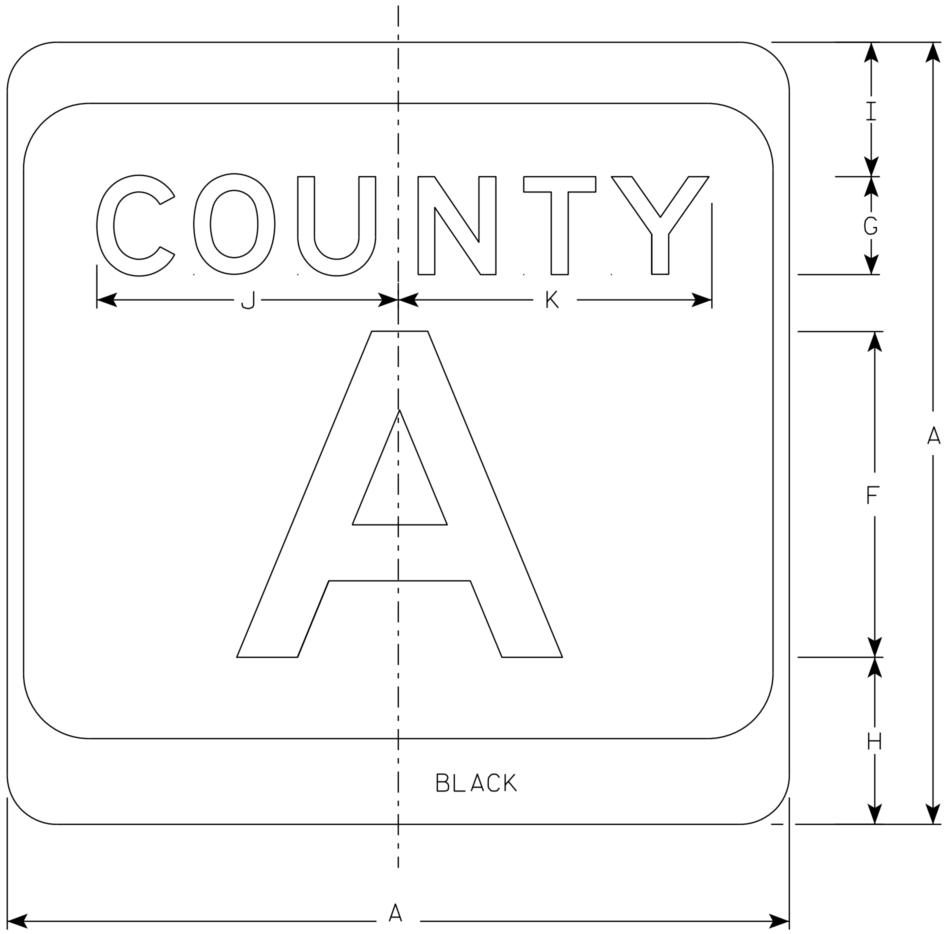
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

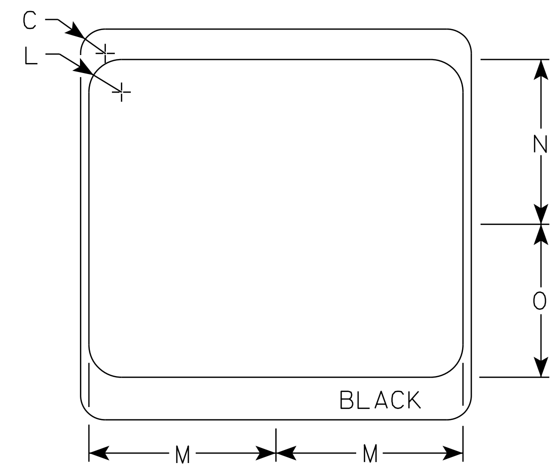
DATE 4/26/16 PLA... 5-56B.2

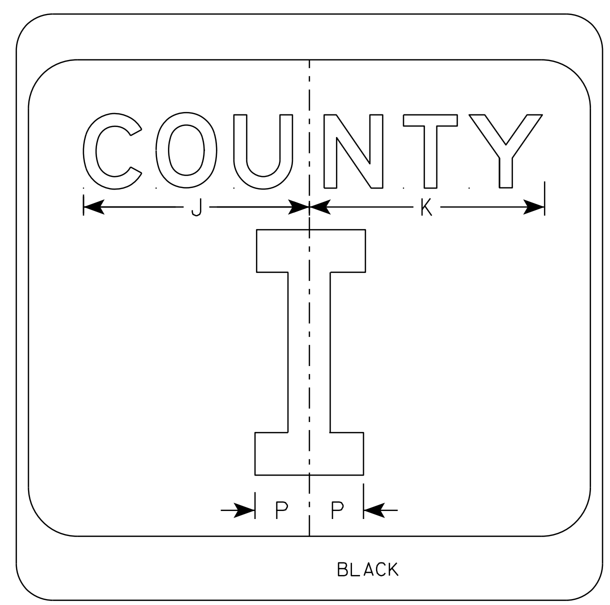
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

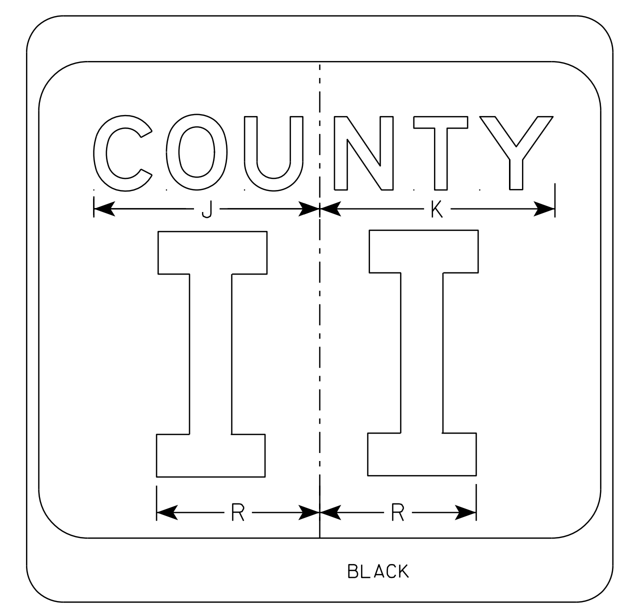
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000 WISDOT/CADDS SHEET 42



M1-5A







NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

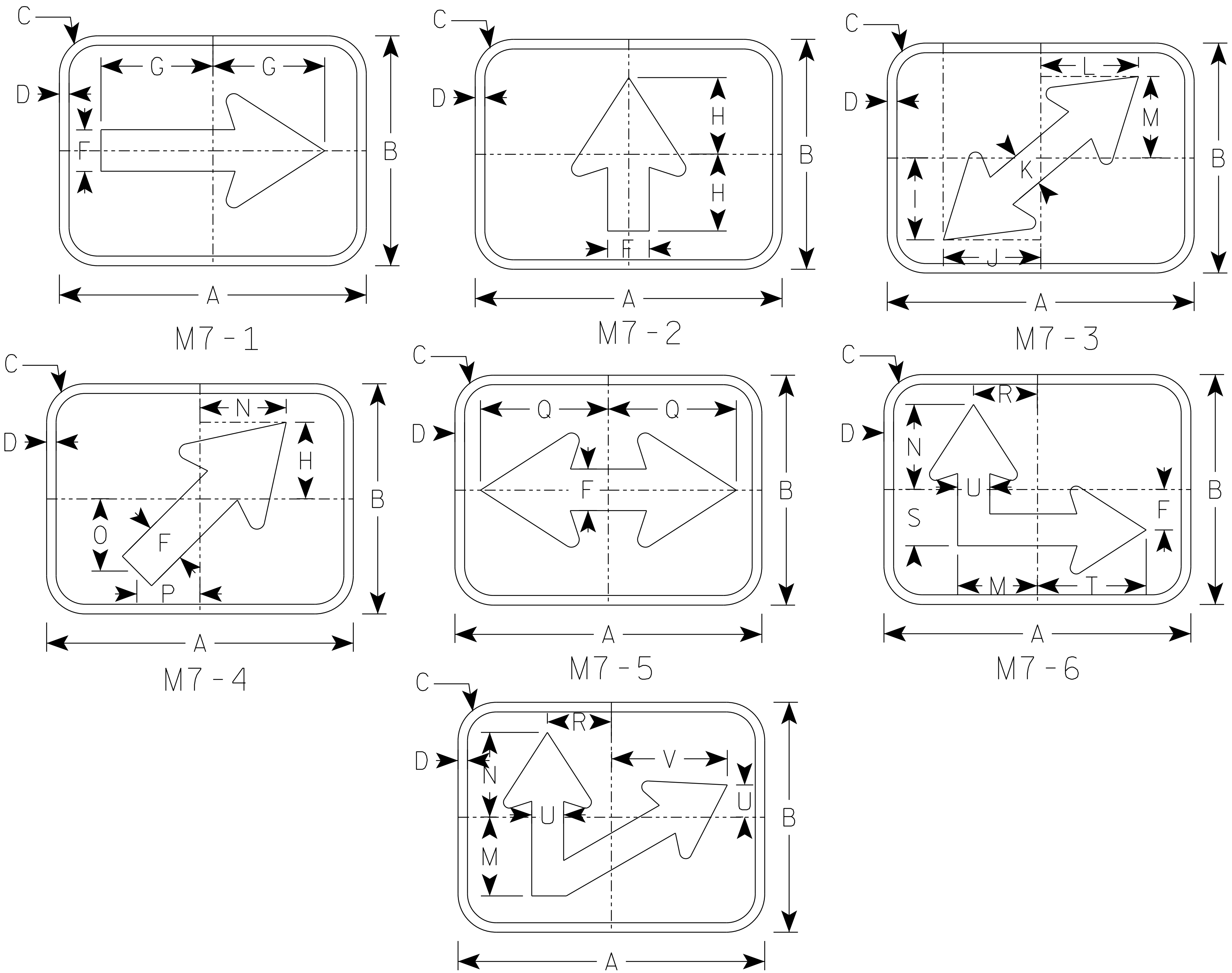
DATE 11/8/2022 PLATE NO. M1-5A.9

7

7

PROJECT NO: HWY: COUNTY: SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



M7-1 M7-2 M7-3 M7-4 M7-5 M7-6 M7-7

NOTES

1. Sign is Type II - Type H Reflective

2. Color:
Background - Green
Message -White

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	12	9	1 1/2	3/8		1 5/8	4 3/8	3	3 1/4	3 3/4	1 3/8	3 7/8	3 1/8	3 3/8	2 7/8	2 1/2	5	2 1/2	2 1/4	4 1/4	1 1/4	4 1/2					.75
2M	12	9	1 1/2	3/8		1 5/8	4 3/8	3	3 1/4	3 3/4	1 3/8	3 7/8	3 1/8	3 3/8	2 7/8	2 1/2	5	2 1/2	2 1/4	4 1/4	1 1/4	4 1/2					.75
3																											
4																											
5																											

STANDARD SIGN
M7 SERIES

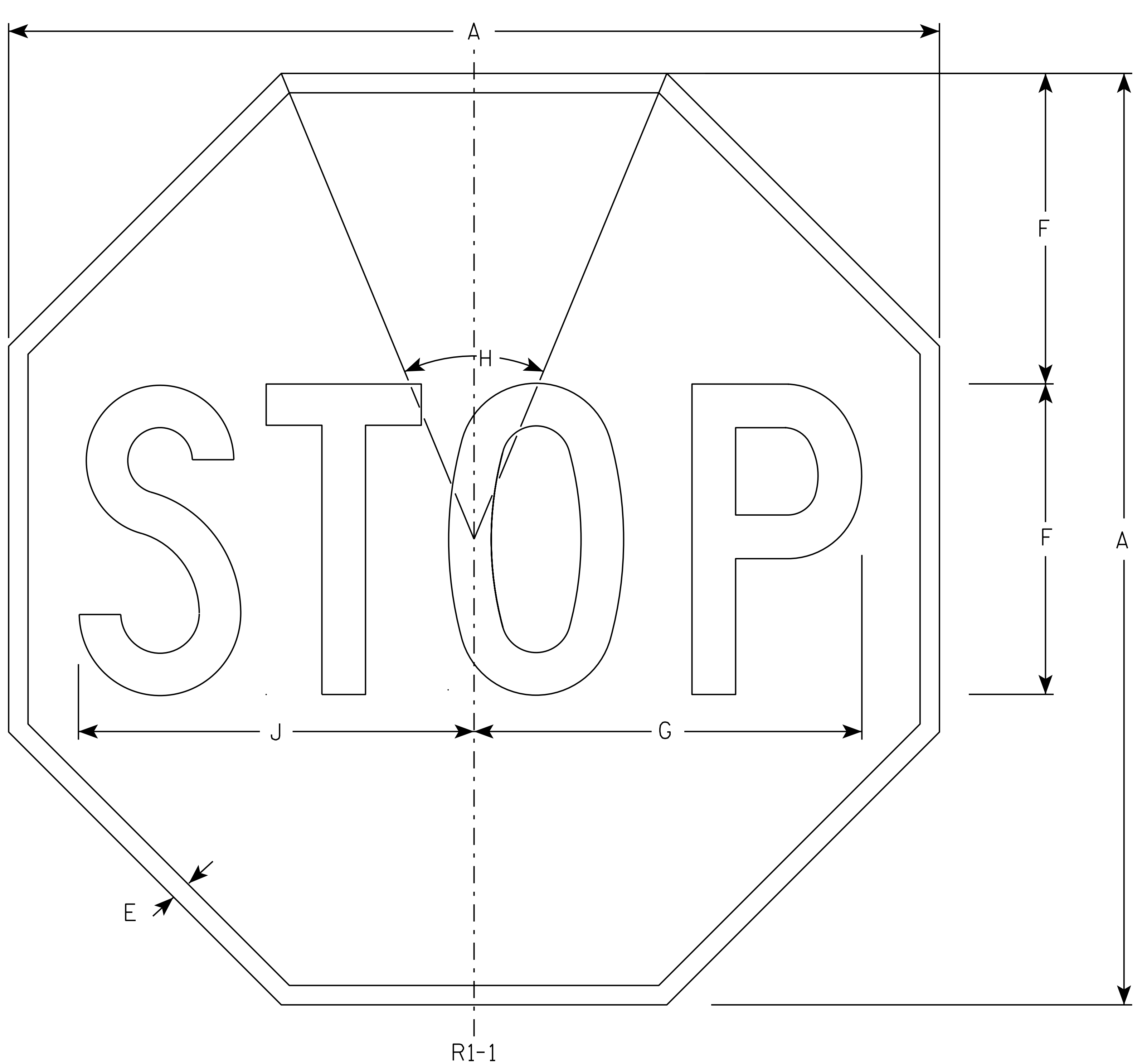
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/2022 PLATE NO. M7-1.2

7

7



R1-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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

7

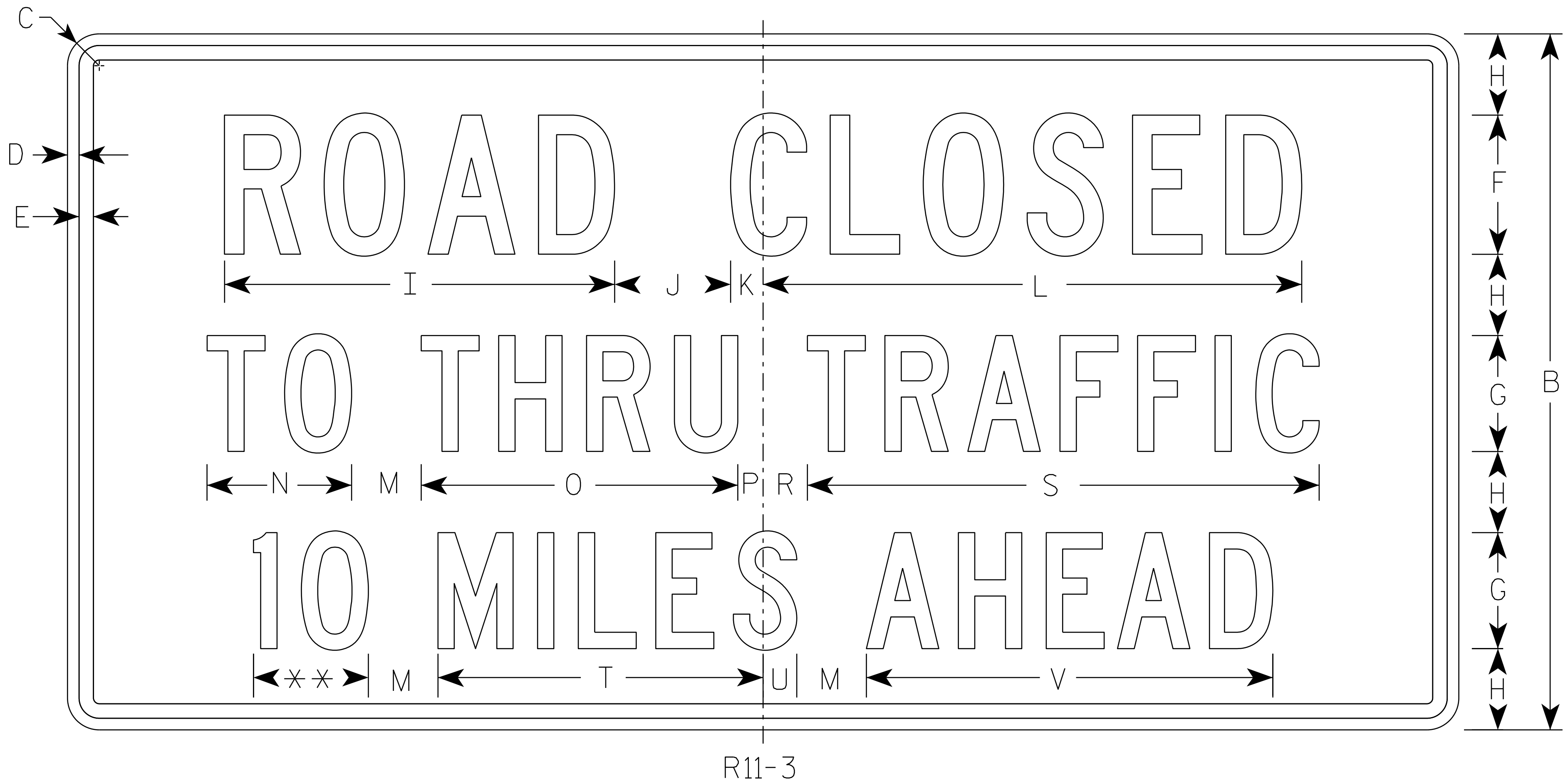
7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 88 | E

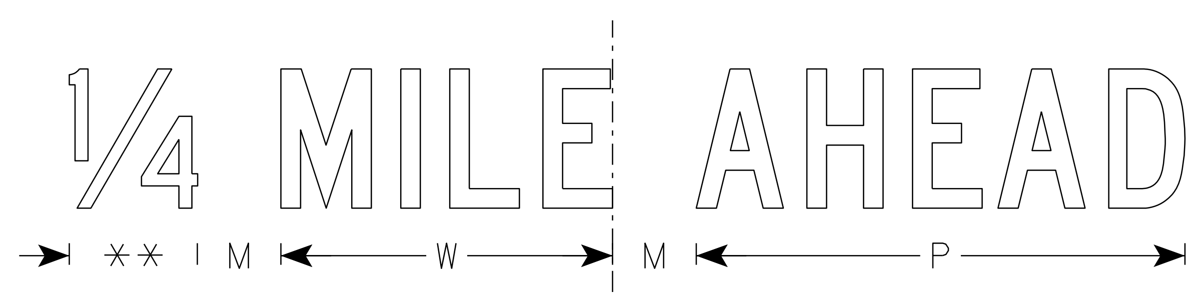
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 22-AUG-2017 07:19 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 4.427909:1.000000 WISDOT/CADDS SHEET 42

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 1/2	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

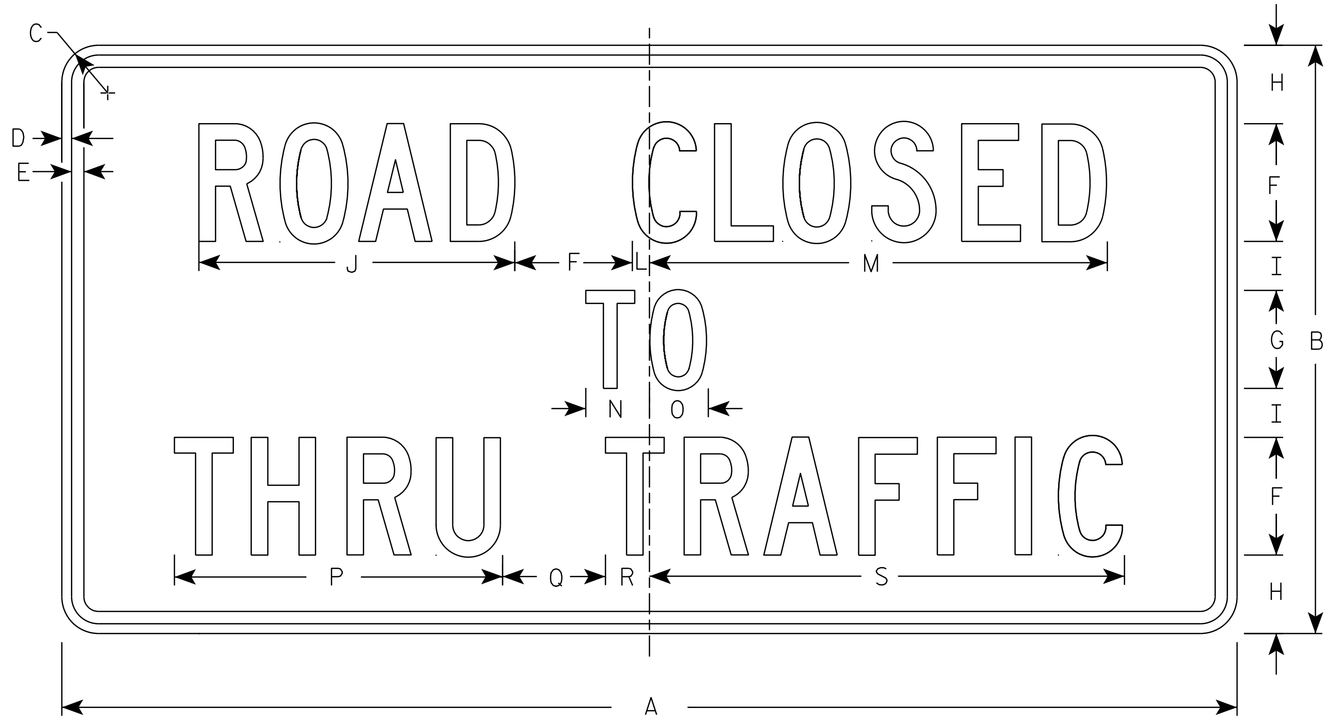
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO: HWY: COUNTY: SHEET NO: 89 E



R11-4

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.

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 7/8	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 7/8	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

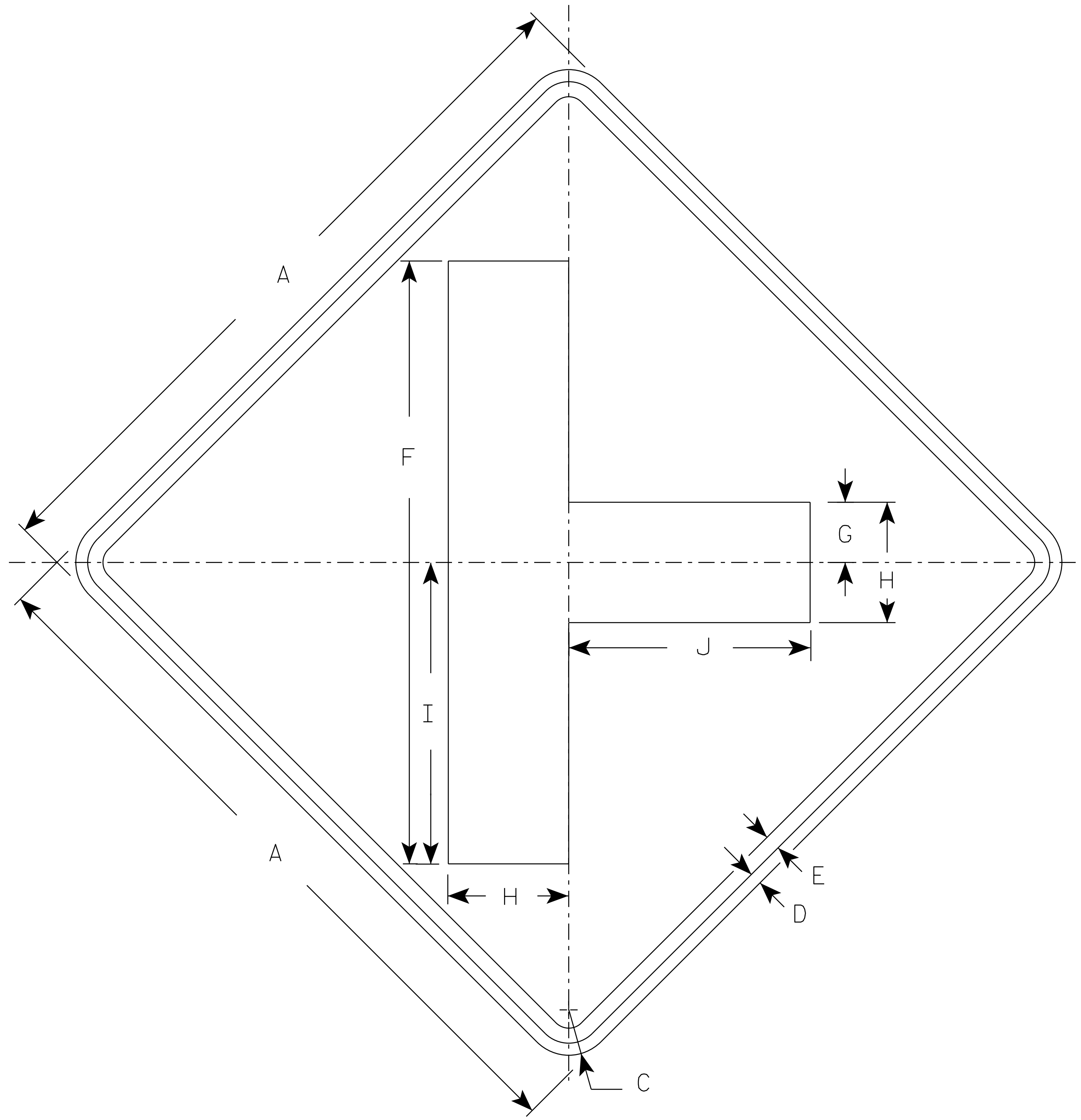
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

PROJECT NO: HWY: COUNTY: SHEET NO: 90 E

7

7



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 1/2	3/8	1/2	20	2	4	10	8																	4.0
2S	30		1 7/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 7/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		2 1/4	5/8	3/4	30	3	6	15	12																	9.0
4	48		3	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

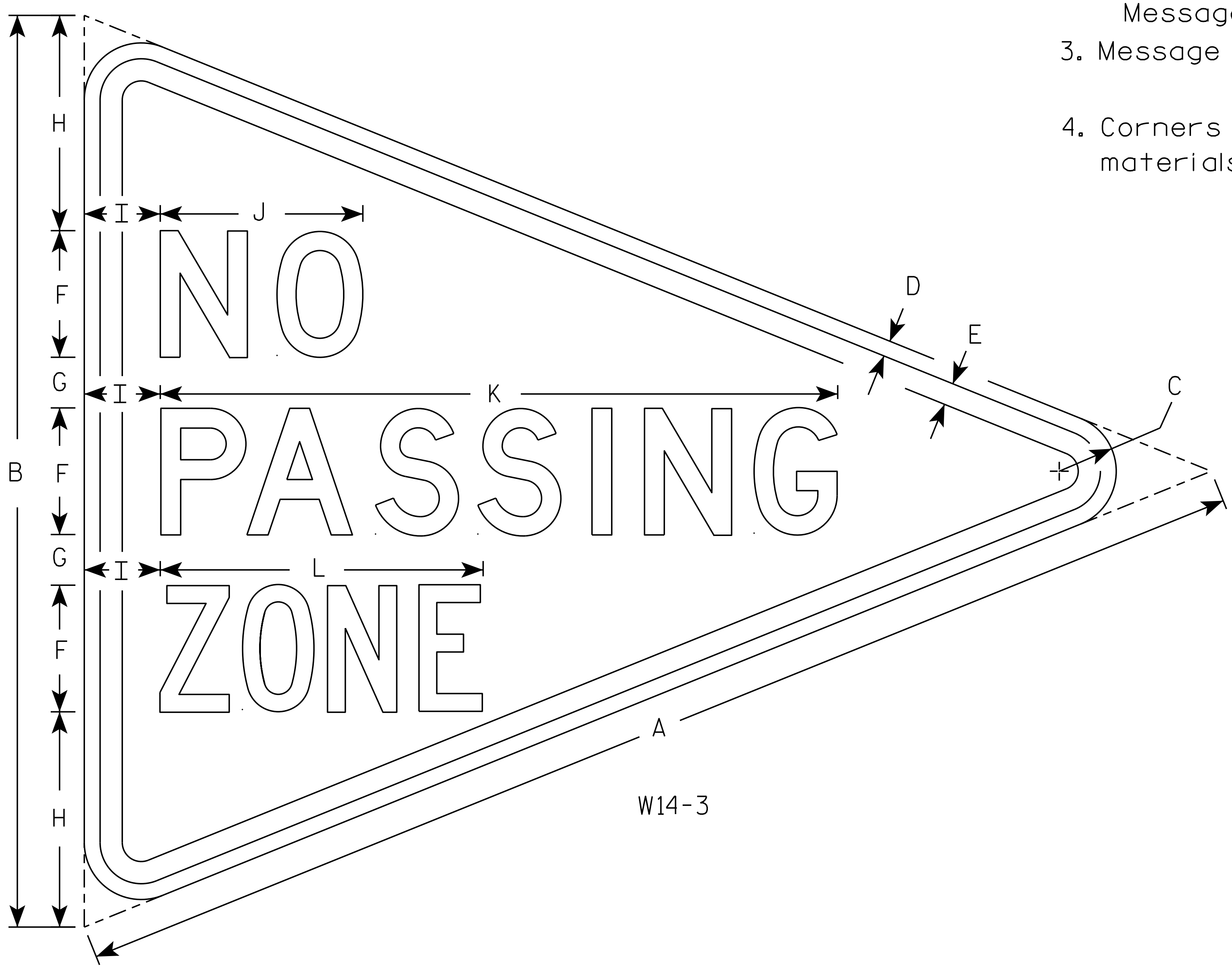
DATE 8/16/2023 PLATE NO. W2-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 91 | E

7 7

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

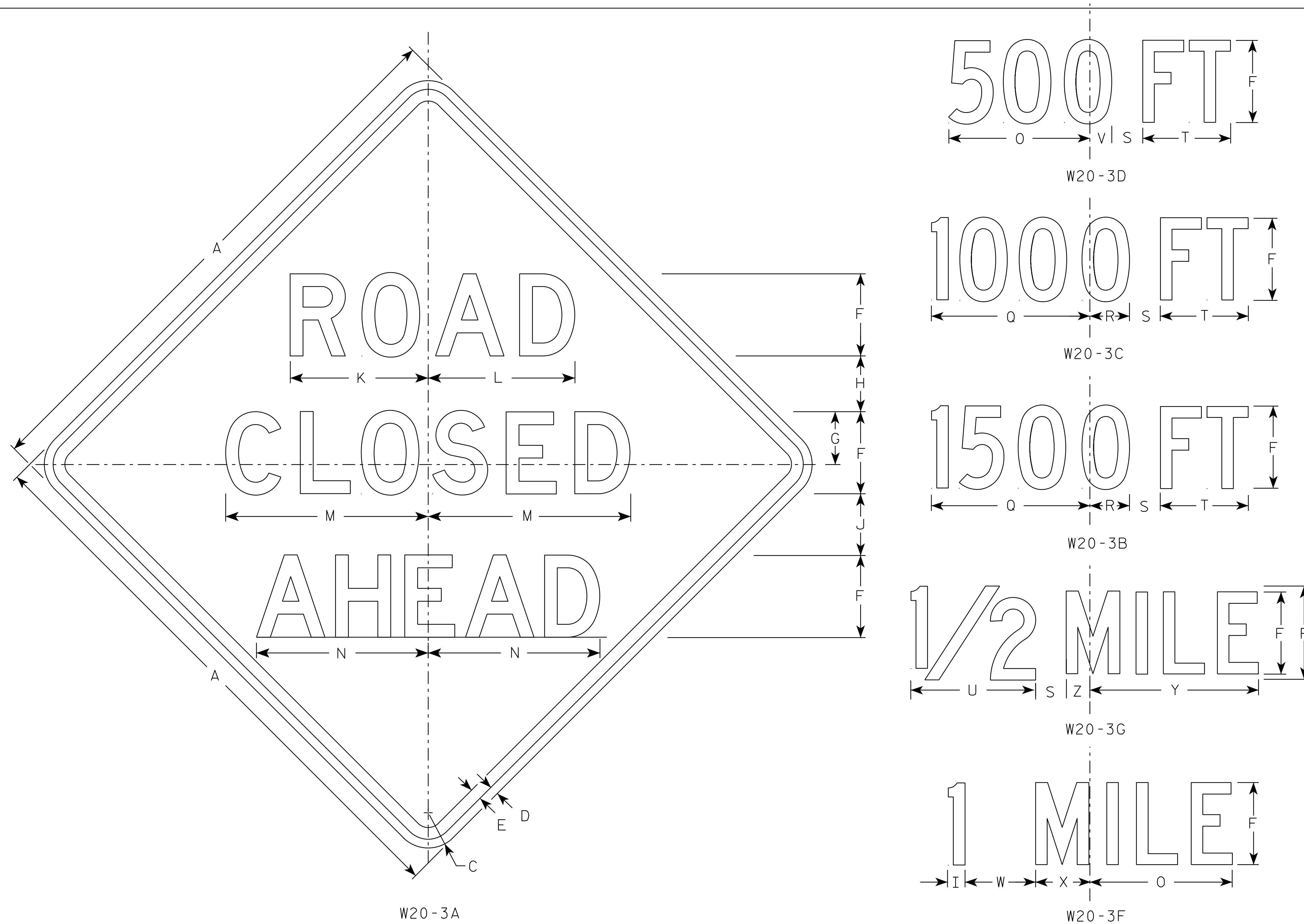
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

PROJECT NO: HWY: COUNTY: SHEET NO: 92 E



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. 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		2 1/4	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		3	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		3	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		3	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		3	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		3	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 1/10/2024 PLATE NO. W20-3.8

7 7

PROJECT NO: HWY: COUNTY: SHEET NO: 93 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

EARTHWORK - MAINLINE

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) EXPANDED FILL (1.25)	CUMULATIVE VOLUME (CY) CUT (1.0)	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (1.25)	CUMULATIVE VOLUME (CY) MASS ORDINATE
273 + 50	0	0	0	0	0	0	0	0	0
274 + 00	41	10	38	9	11	38	9	11	27
274 + 50	27	2	63	11	14	101	20	25	76
275 + 00	9	2	33	4	5	134	24	30	104
275 + 50	22	6	29	7	9	163	31	39	124
276 + 00	105	3	118	8	10	281	39	49	232
276 + 50	64	2	156	5	6	437	44	55	382
277 + 00	16	1	74	3	4	511	47	59	452
277 + 50	10	4	24	5	6	535	52	65	470
278 + 00	5	2	14	6	8	549	58	73	477
278 + 50	7	4	11	6	8	560	64	80	480
279 + 00	8	3	14	6	8	574	70	88	487
279 + 50	0	3	7	6	8	581	76	95	486
280 + 00	0	3	0	6	8	581	82	103	479
280+50	0	4	0	6	8	581	88	110	471
281 + 00	14	4	13	7	9	594	95	119	475
281 + 50	45	1	55	5	6	649	100	125	524
282 + 00	43	2	81	3	4	730	103	129	601
282 + 50	0	27	40	27	34	770	130	163	608
283 + 00	4	12	4	36	45	774	166	208	567
283 + 50	18	16	20	26	33	794	192	240	554
284 + 00	21	10	36	24	30	830	216	270	560
284 + 50	21	7	39	16	20	869	232	290	579
285 + 00	14	7	32	13	16	901	245	306	595
285 + 50	7	4	19	10	13	920	255	319	601
286 + 00	16	3	21	6	8	941	261	326	615
286 + 50	11	2	25	5	6	966	266	333	634
287 + 00	28	4	36	6	8	1002	272	340	662
287 + 50	47	3	69	6	8	1071	278	348	724
288 + 00	43	6	83	8	10	1154	286	358	797
288 + 50	31	10	69	15	19	1223	301	376	847
289 + 00	42	6	68	15	19	1291	316	395	896
289 + 50	26	9	63	14	18	1354	330	413	942
290 + 00	16	7	39	15	19	1393	345	431	962
290 + 50	16	7	30	13	16	1423	358	448	976
291 + 00	0	5	15	11	14	1438	369	461	977
291 + 50	0	10	0	14	18	1438	383	479	959
292 + 00	3	12	3	20	25	1441	403	504	937
292 + 50	0	11	3	21	26	1444	424	530	914
293 + 00	0	10	0	19	24	1444	443	554	890
293 + 50	0	11	0	19	24	1444	462	578	867
294 + 00	0	11	0	20	25	1444	482	603	842
294 + 50	0	9	0	19	24	1444	501	626	818
295 + 00	0	9	0	17	21	1444	518	648	797
295 + 50	0	5	0	13	16	1444	531	664	780
296 + 00	6	3	6	7	9	1450	538	673	778
296 + 50	2	3	7	6	8	1457	544	680	777
297 + 00	0	2	2	5	6	1459	549	686	773
297 + 50	7	4	6	6	8	1465	555	694	771
298 + 00	38	2	42	6	8	1507	561	701	806
298 + 50	30	2	63	4	5	1570	565	706	864
299 + 00	16	2	43	4	5	1613	569	711	902
299 + 50	36	1	48	3	4	1661	572	715	946
300 + 00	15	3	47	4	5	1708	576	720	988
MAINLINE COLUMN SUBTOTALS =			1708	576	720	1708	576	720	988

NOTES:
1.) EARTHWORK QUANTITIES FOR THE MAINLINE INCLUDE QUANTITIES FOR ALIGNMENTS 'A', 'B', 'C', 'E', AND 'G'.
2.) THE MASS ORDINATE = CUT - EXPANDED FILL. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.

EARTHWORK - MAINLINE CONTINUED

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) EXPANDED FILL (1.25)	CUMULATIVE VOLUME (CY) CUT (1.0)	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (1.25)	CUMULATIVE VOLUME (CY) MASS ORDINATE
300 + 50	23	3	34	6	7.5	1742	582	728	0
301 + 00	15	2	35	5	6	1777	587	734	1043
301 + 50	22	2	34	4	5	1811	591	739	1072
302 + 00	22	2	41	4	5	1852	595	744	1108
302 + 50	16	3	35	5	6	1887	600	750	1137
303 + 00	25	2	38	5	6	1925	605	756	1169
303 + 50	21	1	43	3	4	1968	608	760	1208
304 + 00	26	1	44	2	3	2012	610	763	1250
304 + 50	20	2	43	3	4	2055	613	766	1289
305 + 00	22	2	39	4	5	2094	617	771	1323
305 + 50	21	1	40	3	4	2134	620	775	1359
306 + 00	19	4	37	5	6	2171	625	781	1390
306 + 50	27	8	43	11	14	2214	636	795	1419
307 + 00	33	12	56	19	24	2270	655	819	1451
307+50	25	13	54	23	29	2324	678	848	1477
308 + 00	24	18	45	29	36	2369	707	884	1485
308 + 50	35	23	55	38	48	2424	745	931	1493
309 + 00	39	25	69	44	55	2493	789	986	1507
309 + 50	54	25	86	46	58	2579	835	1044	1535
310 + 00	76	18	120	40	50	2699	875	1094	1605
310 + 50	50	7	117	23	29	2816	898	1123	1694
311 + 00	52	9	94	15	19	2910	913	1141	1769
311 + 50	45	15	90	22	28	3000	935	1169	1831
312 + 00	43	13	81	26	33	3081	961	1201	1880
312 + 50	29	11	67	22	28	3148	983	1229	1919
313 + 00	22	7	47	17	21	3195	1000	1250	1945
313 + 50	27	1	45	7	9	3240	1007	1259	1981
314 + 00	21	2	44	3	4	3284	1010	1263	2022
314 + 50	25	2	43	4	5	3327	1014	1268	2060
315 + 00	29	1	50	3	4	3377	1017	1271	2106
315 + 50	29	2	54	3	4	3431	1020	1275	2156
316 + 00	33	4	57	6	8	3488	1026	1283	2206
316 + 50	38	2	66	6	8	3554	1032	1290	2264
317 + 00	31	1	64	3	4	3618	1035	1294	2324
317 + 50	29	1	56	2	3	3674	1037	1296	2378
318 + 00	34	1	58	2	3	3732	1039	1299	2433
318 + 50	33	2	62	3	4	3794	1042	1303	2492
319 + 00	31	4	59	6	8	3853	1048	1310	2543
319 + 50	27	5	54	8	10	3907	1056	1320	2587
320 + 00	40	2	62	6	8	3969	1062	1328	2642
320 + 50	35	3	69	5	6	4038	1067	1334	2704
321 + 00	31	3	61	6	8	4099	1073	1341	2758
321 + 50	22	7	49	9	11	4148	1082	1353	2796
322 + 00	9	21	29	26	33	4177	1108	1385	2792
322 + 50	6	21	14	39	49	4191	1147	1434	2757
323 + 00	43	2	45	21	26	4236	1168	1460	2776
323 + 50	112	0	144	2	3	4380	1170	1463	2918
324 + 00	210	0	298	0	0	4678	1170	1463	3216
324 + 50	262	0	437	0	0	5115	1170	1463	3653
325 + 00	154	0	385	0	0	5500	1170	1463	4038
325 + 50	20	7	161	6	8	5661	1176	1470	4191
326 + 00	0	9	19	15	19	5680	1191	1489	4191
326 + 50	7	4	6	12	15	5686	1203	1504	4182
327 + 00	30	0	34	4	5	5720	1207	1509	4211
MAINLINE COLUMN SUBTOTALS =			4012	631	789	5720	1207	1509	4211

NOTES:
1.) EARTHWORK QUANTITIES FOR THE MAINLINE INCLUDE QUANTITIES FOR ALIGNMENTS 'A', 'B', 'C', 'E', AND 'G'.
2.) THE MASS ORDINATE = CUT - EXPANDED FILL. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.

9

9

EARTHWORK - MAINLINE CONTINUED

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) EXPANDED FILL (1.25)	CUMULATIVE VOLUME (CY) CUT (1.0)	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (1.25)	CUMULATIVE VOLUME (CY) MASS ORDINATE
327 + 50	31	1	54	1	1.25	5774	1208	1510	0
328 + 00	2	26	31	25	31	5805	1233	1541	4264
328 + 50	0	62	2	81	101	5807	1314	1643	4165
329 + 00	0	11	0	68	85	5807	1382	1728	4080
329 + 50	23	0	21	10	13	5828	1392	1740	4088
330 + 00	34	0	53	0	0	5881	1392	1740	4141
330 + 50	41	0	69	0	0	5950	1392	1740	4210
331 + 00	43	0	78	0	0	6028	1392	1740	4288
331 + 50	24	0	62	0	0	6090	1392	1740	4350
332 + 00	25	0	45	0	0	6135	1392	1740	4395
332 + 50	38	0	58	0	0	6193	1392	1740	4453
333 + 00	48	0	80	0	0	6273	1392	1740	4533
333 + 50	42	0	83	0	0	6356	1392	1740	4616
334 + 00	18	2	56	2	3	6412	1394	1743	4670
334+50	18	2	33	4	5	6445	1398	1748	4698
335 + 00	48	1	61	3	4	6506	1401	1751	4755
335 + 50	48	0	89	1	1	6595	1402	1753	4843
336 + 00	43	0	84	0	0	6679	1402	1753	4927
336 + 50	39	0	76	0	0	6755	1402	1753	5003
337 + 00	38	0	71	0	0	6826	1402	1753	5074
337 + 50	35	0	68	0	0	6894	1402	1753	5142
338 + 00	34	0	64	0	0	6958	1402	1753	5206
338 + 50	41	0	69	0	0	7027	1402	1753	5275
339 + 00	50	0	84	0	0	7111	1402	1753	5359
339 + 50	33	0	77	0	0	7188	1402	1753	5436
340 + 00	32	1	60	1	1	7248	1403	1754	5494
340 + 50	35	1	62	2	3	7310	1405	1756	5554
341 + 00	37	0	67	1	1	7377	1406	1758	5620
341 + 50	43	0	74	0	0	7451	1406	1758	5694
342 + 00	34	1	71	1	1	7522	1407	1759	5763
342 + 50	30	0	59	1	1	7581	1408	1760	5821
343 + 00	30	0	56	0	0	7637	1408	1760	5877
343 + 50	34	0	59	0	0	7696	1408	1760	5936
344 + 00	37	0	66	0	0	7762	1408	1760	6002
344 + 50	42	0	73	0	0	7835	1408	1760	6075
345 + 00	34	2	70	2	3	7905	1410	1763	6143
345 + 50	29	0	58	2	3	7963	1412	1765	6198
346 + 00	44	2	68	2	3	8031	1414	1768	6264
346 + 50	34	0	72	2	3	8103	1416	1770	6333
347 + 00	41	0	69	0	0	8172	1416	1770	6402
347 + 50	30	0	66	0	0	8238	1416	1770	6468
348 + 00	35	0	60	0	0	8298	1416	1770	6528
348 + 50	23	5	54	5	6	8352	1421	1776	6576
349 + 00	21	8	41	12	15	8393	1433	1791	6602
349 + 50	18	12	36	19	24	8429	1452	1815	6614
350 + 00	20	21	35	31	39	8464	1483	1854	6610
350 + 50	11	23	29	41	51	8493	1524	1905	6588
351 + 00	2	43	12	61	76	8505	1585	1981	6524
351 + 50	0	64	2	99	124	8507	1684	2105	6402
352 + 00	0	56	0	111	139	8507	1795	2244	6263
352 + 50	10	71	9	118	148	8516	1913	2391	6125
353 + 00	1	81	10	141	176	8526	2054	2568	5959
353 + 50	2	59	3	130	163	8529	2184	2730	5799
354 + 00	1	84	3	132	165	8532	2316	2895	5637
MAINLINE COLUMN SUBTOTALS =			2812	1109	1386	8532	2316	2895	5637

NOTES:
1.) EARTHWORK QUANTITIES FOR THE MAINLINE INCLUDE QUANTITIES FOR ALIGNMENTS 'A', 'B', 'C', 'E', AND 'G'.
2.) THE MASS ORDINATE = CUT - EXPANDED FILL. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.

EARTHWORK - MAINLINE CONTINUED

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) EXPANDED FILL (1.25)	CUMULATIVE VOLUME (CY) CUT (1.0)	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (1.25)	CUMULATIVE VOLUME (CY) MASS ORDINATE
354 + 50	4	78	4	148	185	8536	2464	3080	0
355 + 00	8	78	11	144	180	8547	2608	3260	5287
355 + 50	1	79	8	145	181	8555	2753	3441	5114
356 + 00	6	73	6	141	176	8561	2894	3618	4944
356 + 50	14	36	19	101	126	8580	2995	3744	4836
357 + 00	1	47	14	77	96	8594	3072	3840	4754
357 + 50	0	52	1	92	115	8595	3164	3955	4640
358 + 00	0	53	0	97	121	8595	3261	4076	4519
358 + 50	0	109	0	150	188	8595	3411	4264	4331
359 + 00	0	130	0	221	276	8595	3632	4540	4055
359 + 50	0	126	0	237	296	8595	3869	4836	3759
360 + 00	0	53	0	166	208	8595	4035	5044	3551
360 + 50	0	64	0	108	135	8595	4143	5179	3416
361 + 00	7	46	6	102	128	8601	4245	5306	3295
361+50	8	42	14	81	101	8615	4326	5408	3208
362 + 00	6	36	13	72	90	8628	4398	5498	3131
362 + 50	1	50	6	80	100	8634	4478	5598	3037
363 + 00	5	60	6	102	128	8640	4580	5725	2915
363 + 50	0	61	5	112	140	8645	4692	5865	2780
364 + 00	0	56	0	108	135	8645	4800	6000	2645
364 + 50	0	82	0	128	160	8645	4928	6160	2485
365 + 00	8	68	7	139	174	8652	5067	6334	2318
365 + 50	13	38	19	98	123	8671	5165	6456	2215
366 + 00	9	26	20	59	74	8691	5224	6530	2161
366 + 50	0	29	8	51	64	8699	5275	6594	2105
367 + 00	0	29	0	54	68	8699	5329	6661	2038
367 + 50	0	33	0	57	71	8699	5386	6733	1967
368 + 00	0	44	0	71	89	8699	5457	6821	1878
368 + 50	0	54	0	91	114	8699	5548	6935	1764
369 + 00	0	43	0	90	113	8699	5638	7048	1652
369 + 50	2	42	2	79	99	8701	5717	7146	1555
370 + 00	1	57	3	92	115	8704	5809	7261	1443
370 + 50	0	64	1	112	140	8705	5921	7401	1304
371 + 00	0	40	0	96	120	8705	6017	7521	1184
371 + 50	0	23	0	58	73	8705	6075	7594	1111
372 + 00	4	19	4	39	49	8709	6114	7643	1067
372 + 50	0	19	4	35	44	8713	6149	7686	1027
373 + 00	0	21	0	37	46	8713	6186	7733	981
373 + 50	0	20	0	38	48	8713	6224	7780	933
374 + 00	0	13	0	31	39	8713	6255	7819	894
374 + 50	0	20	0	31	39	8713	6286	7858	856
375 + 00	0	22	0	39	49	8713	6325	7906	807
375 + 50	7	14	6	33	41	8719	6358	7948	772
376 + 00	6	10	12	22	28	8731	6380	7975	756
376 + 50	2	12	7	20	25	8738	6400	8000	738
377 + 00	7	6	8	17	21	8746	6417	8021	725
377 + 50	10	4	16	9	11	8762	6426	8033	730
378 + 00	6	1	15	5	6	8777	6431	8039	738
378 + 50	1	11	6	11	14	8783	6442	8053	731
379 + 00	0	33	1	41	51	8784	6483	8104	680
379 + 50	0	25	0	54	68	8784	6537	8171	613
380 + 00	9	2	8	25	31	8792	6562	8203	590
380 + 50	30	0	36	2	3	8828	6564	8205	623
381 + 00	11	1	38	1	1	8866	6565	8206	660
MAINLINE COLUMN SUBTOTALS =			334	4249	5311	8866	6565	8206	660

NOTES:
1.) EARTHWORK QUANTITIES FOR THE MAINLINE INCLUDE QUANTITIES FOR ALIGNMENTS 'A', 'B', 'C', 'E', AND 'G'.
2.) THE MASS ORDINATE = CUT - EXPANDED FILL. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.

EARTHWORK - MAINLINE CONTINUED

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) EXPANDED FILL (1.25)	CUMULATIVE VOLUME (CY) CUT (1.0)	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (1.25)	CUMULATIVE VOLUME (CY) MASS ORDINATE
381 + 50	0	31	10	29	36.25	8876	6594	8243	0
382 + 00	1	38	1	64	80	8877	6658	8323	555
382 + 50	4	21	5	55	69	8882	6713	8391	491
383 + 00	2	20	6	38	48	8888	6751	8439	449
383 + 50	2	29	4	45	56	8892	6796	8495	397
384 + 00	16	15	17	41	51	8909	6837	8546	363
384 + 50	13	4	27	18	23	8936	6855	8569	367
385 + 00	9	7	20	10	13	8956	6865	8581	375
385 + 50	2	22	10	27	34	8966	6892	8615	351
386 + 00	1	20	3	39	49	8969	6931	8664	305
386 + 50	30	0	29	19	24	8998	6950	8688	311
387 + 00	94	0	115	0	0	9113	6950	8688	426
387 + 50	0	0	87	0	0	9200	6950	8688	513
MAINLINE COLUMN SUBTOTALS =			334	385	481	9200	6950	8688	513
MAINLINE COLUMN TOTALS =			9200	6950	8688				513

NOTES:
1.) EARTHWORK QUANTITIES FOR THE MAINLINE INCLUDE QUANTITIES FOR ALIGNMENTS 'A', 'B', 'C', 'E', AND 'G'.
2.) THE MASS ORDINATE = CUT - EXPANDED FILL. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.

EARTHWORK - 'D' LINE (TASCHE RD)

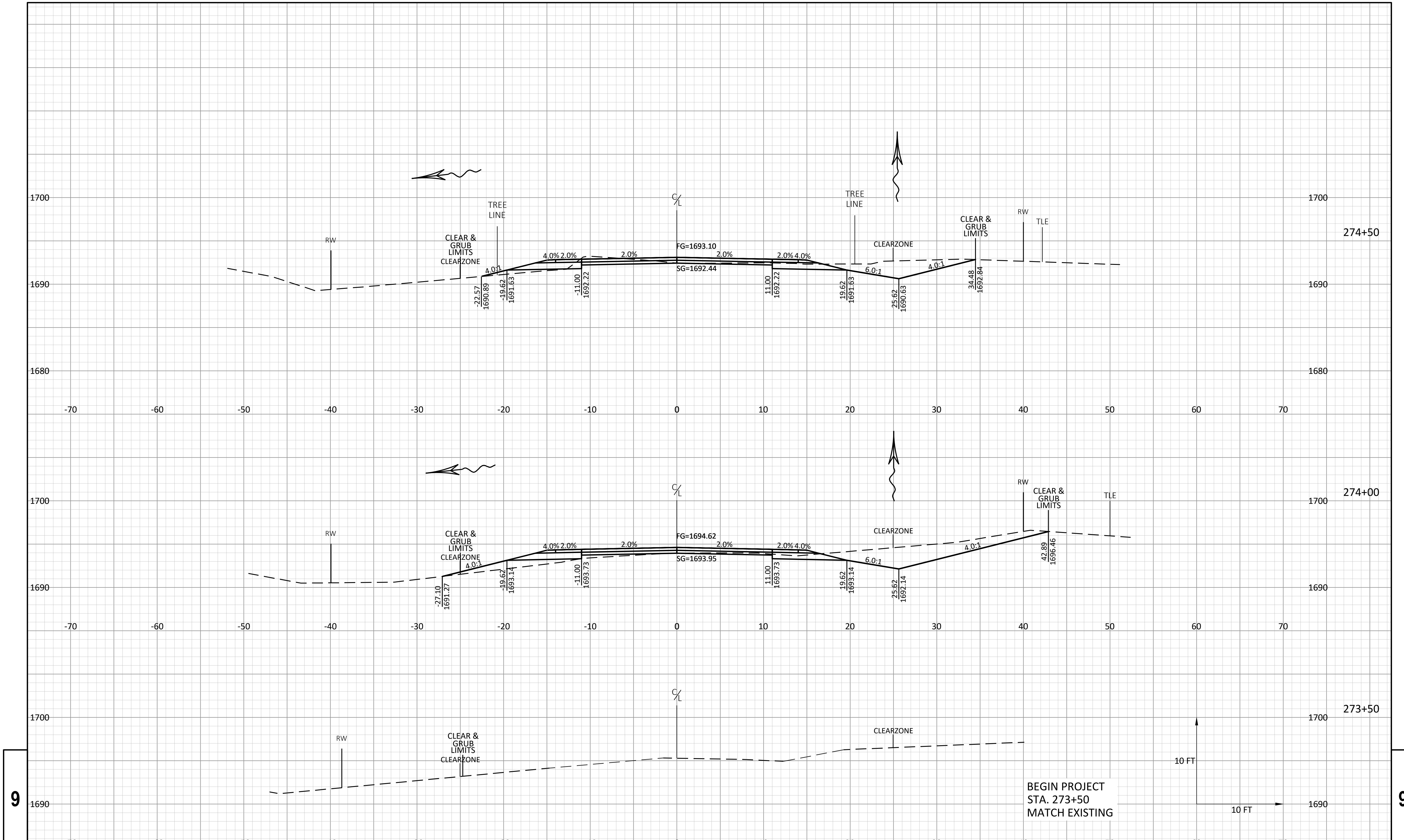
STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) EXPANDED FILL (1.25)	CUMULATIVE VOLUME (CY) CUT (1.0)	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (1.25)	CUMULATIVE VOLUME (CY) MASS ORDINATE
306 + 75	0	0							
307 + 00	44	0	20	0	0	20	0	0	20
307 + 25	0	30	20	14	18	40	14	18	23
307 + 50	0	91	0	56	70	40	70	88	-48
D' LINE COLUMN SUBTOTALS =			40	70	88	40	70	88	-48

EARTHWORK - 'F' LINE (SAWMILL LN)

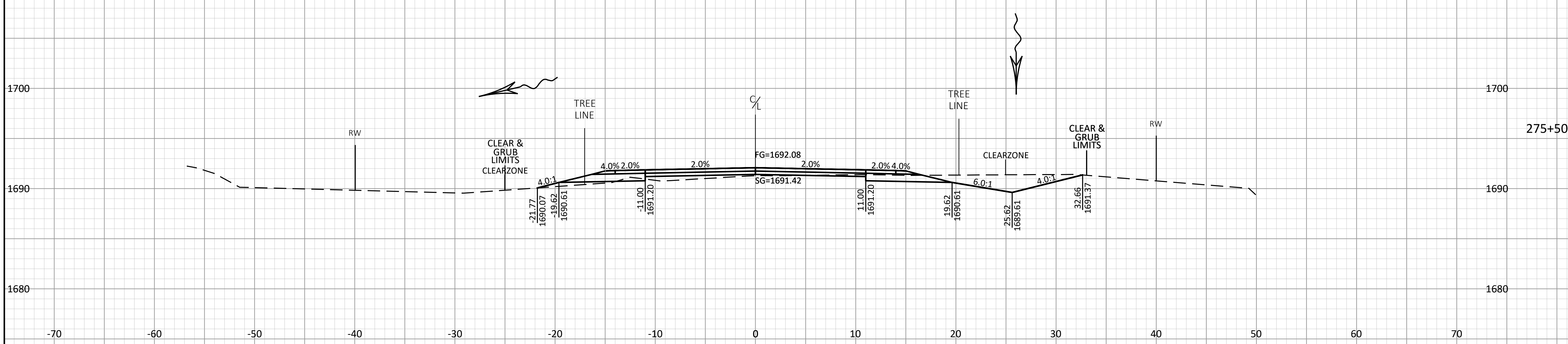
STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) EXPANDED FILL (1.25)	CUMULATIVE VOLUME (CY) CUT (1.0)	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (1.25)	CUMULATIVE VOLUME (CY) MASS ORDINATE
362 + 25	0	0	0	0	0	0	0	0	0
362 + 45	0	0	0	0	0	0	0	0	0
362 + 50	16	0	7	0	0	7	0	0	7
362 + 75	1	20	8	9	11	15	9	11	4
363 + 00	0	64	0	39	49	15	48	60	-45
363 + 21	0	251	0	123	154	15	171	214	-199
363 + 25	0	0	0	19	24	15	190	238	-223
F' LINE COLUMN SUBTOTALS =			15	190	238	15	190	238	-223

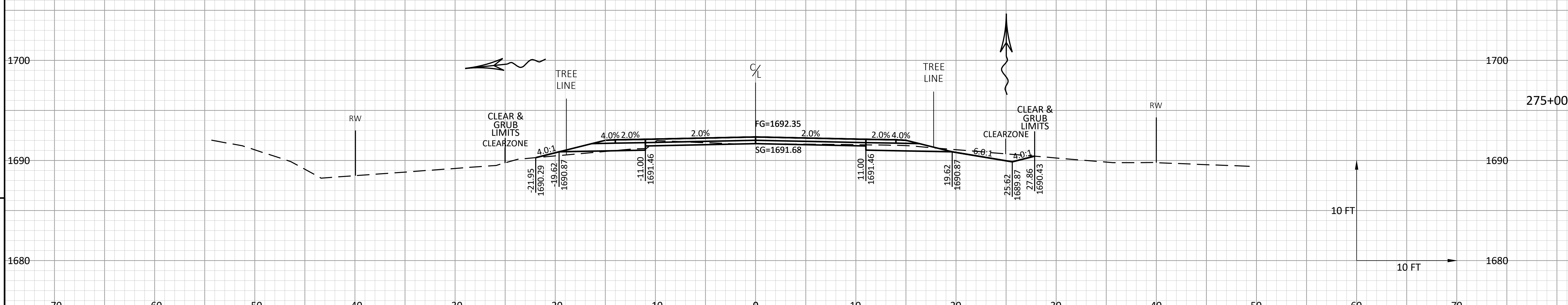
EARTHWORK - 'H' LINE (RUMMELS RD)

STATION	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOLUME (CY) CUT	INCREMENTAL VOLUME (CY) FILL	INCREMENTAL VOLUME (CY) EXPANDED FILL (1.25)	CUMULATIVE VOLUME (CY) CUT (1.0)	CUMULATIVE VOLUME (CY) FILL	CUMULATIVE VOLUME (CY) FILL (1.25)	CUMULATIVE VOLUME (CY) MASS ORDINATE
386 + 25	0	0	0	0	0	0	0	0	0
386 + 42	0	0	0	0	0	0	0	0	0
386 + 50	29	44	13	20	25	13	20	25	-12
386 + 75	46	5	35	23	29	48	43	54	-6
387 + 00	97	0	66	2	3	114	45	56	58
387 + 25	105	0	94	0	0	208	45	56	152
387 + 50	79	0	85	0	0	293	45	56	237
387 + 75	65	0	66	0	0	359	45	56	303
388 + 00	72	0	63	0	0	422	45	56	366
388 + 25	85	0	73	0	0	495	45	56	439
388 + 50	94	0	83	0	0	578	45	56	522
388 + 60	0	0	17	0	0	595	45	56	539
H' LINE COLUMN SUBTOTALS =			595	45	56	595	45	56	539



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 97	E



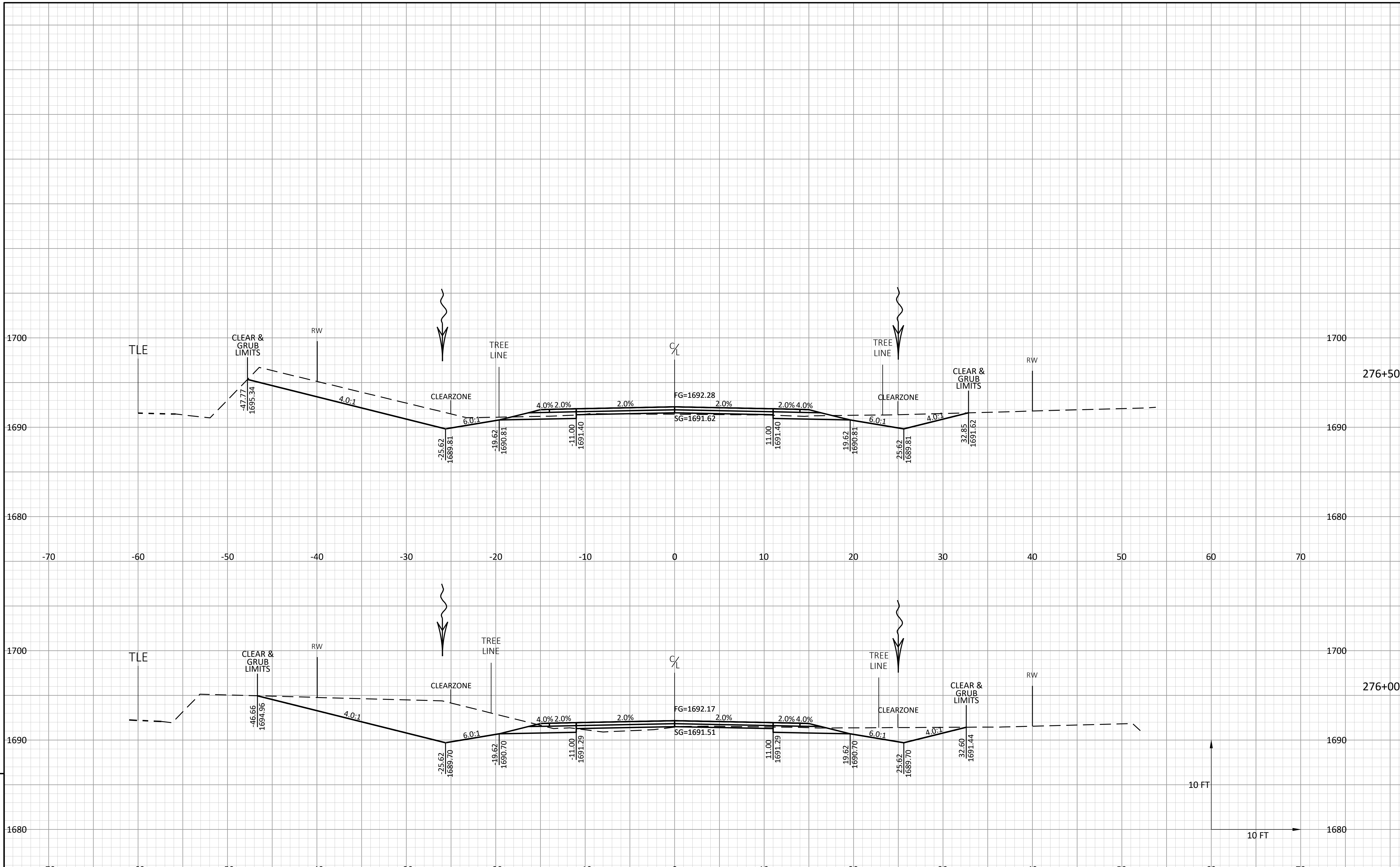


9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 98	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:17:07 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.4 CROSS SECTIONS

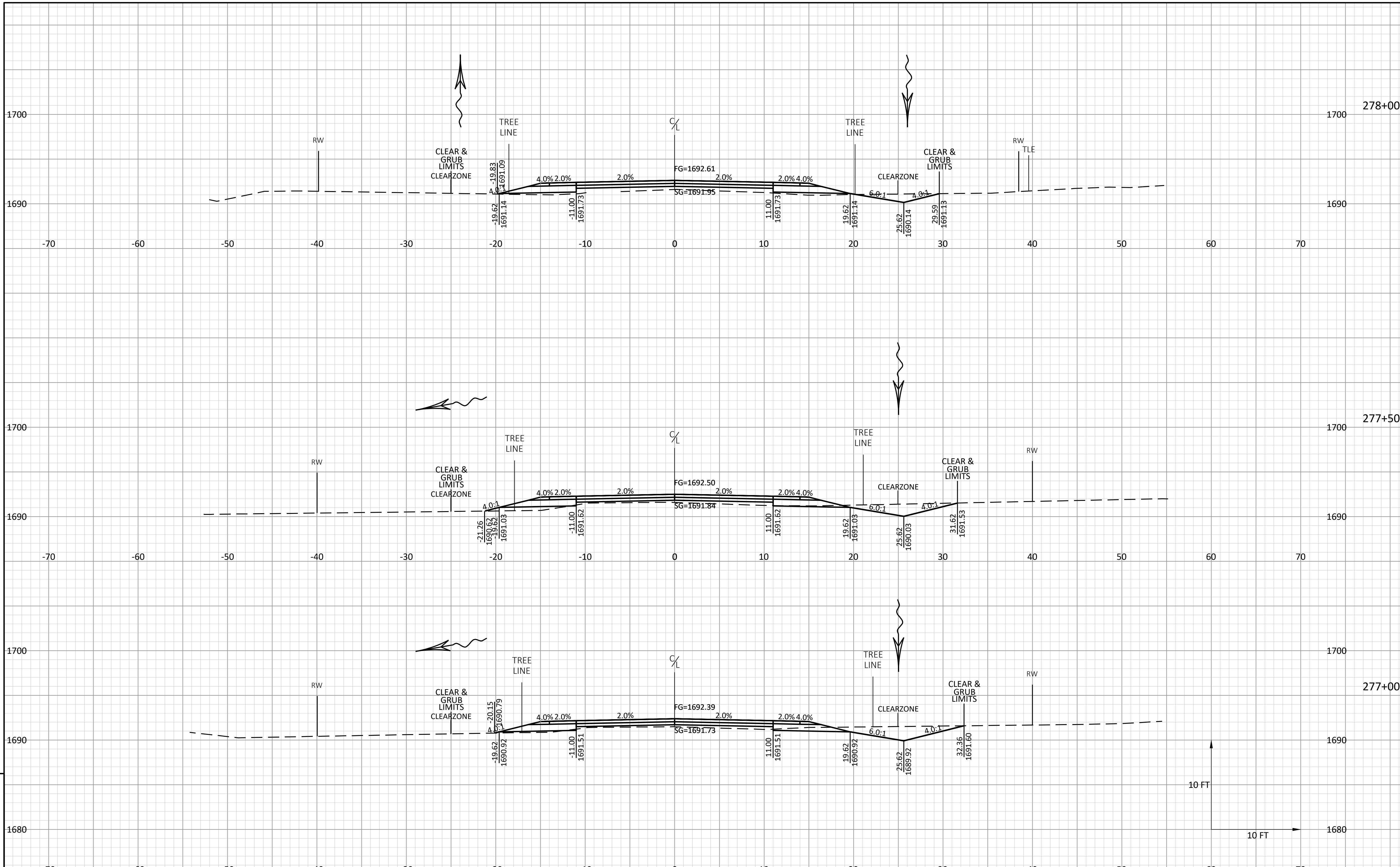
9



9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:17:12 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.5 CROSS SECTIONS

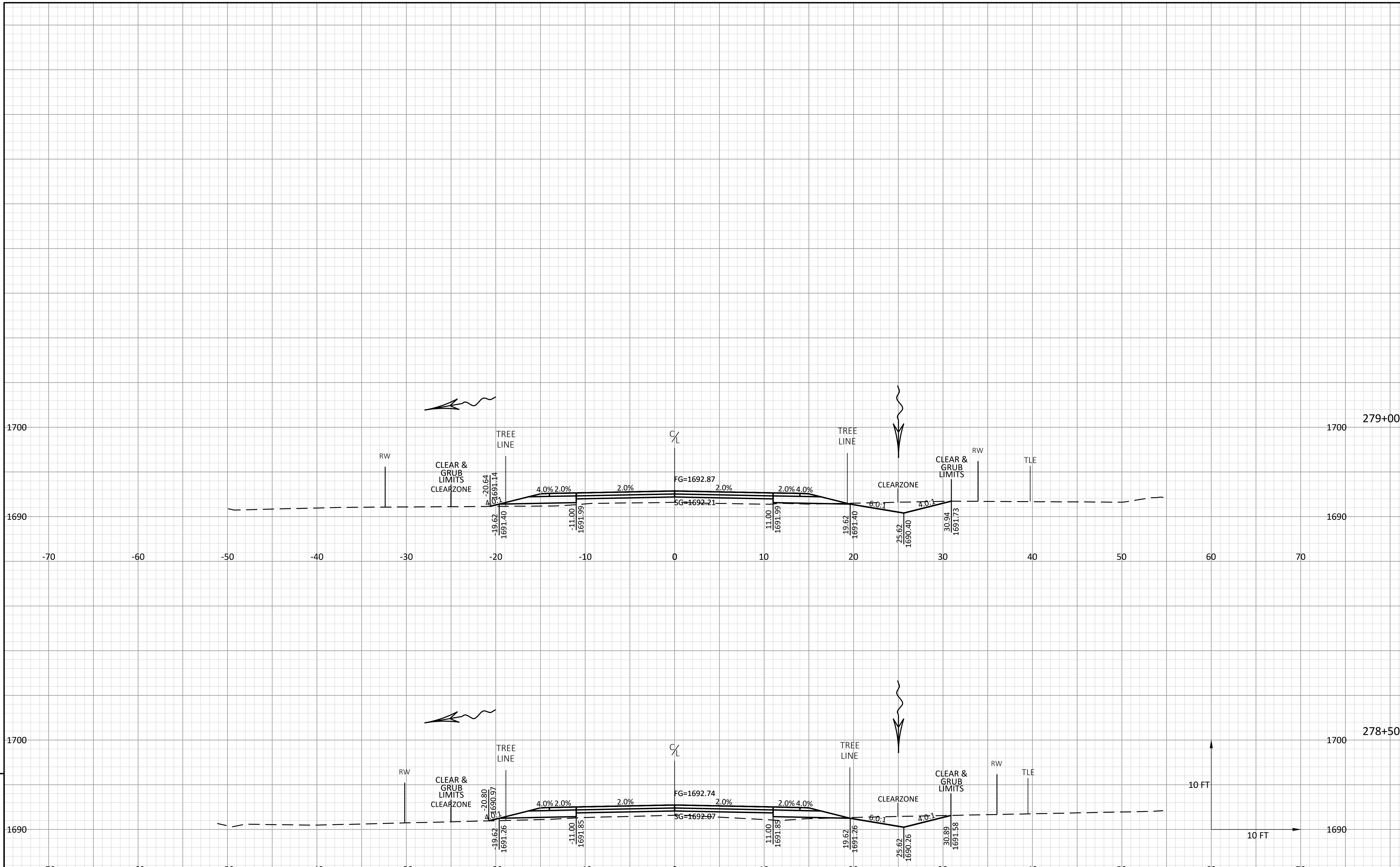


9

9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 100	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:17:17 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.6 CROSS SECTIONS

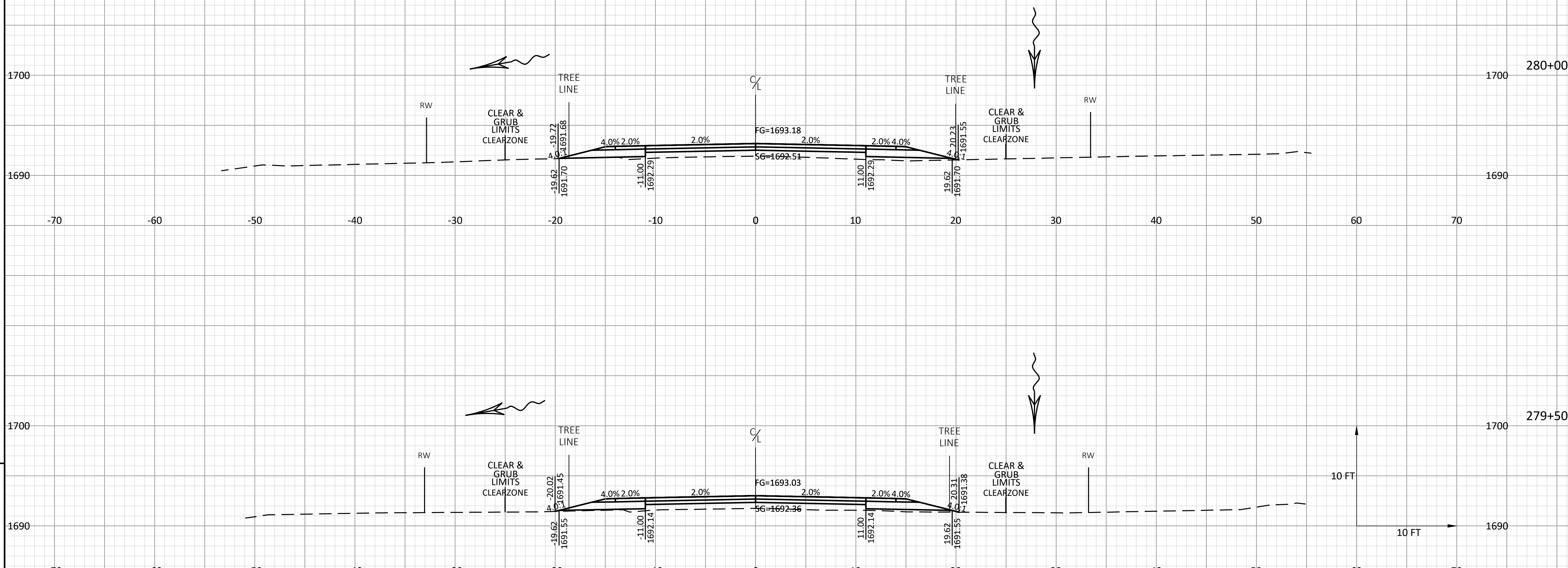


9

9

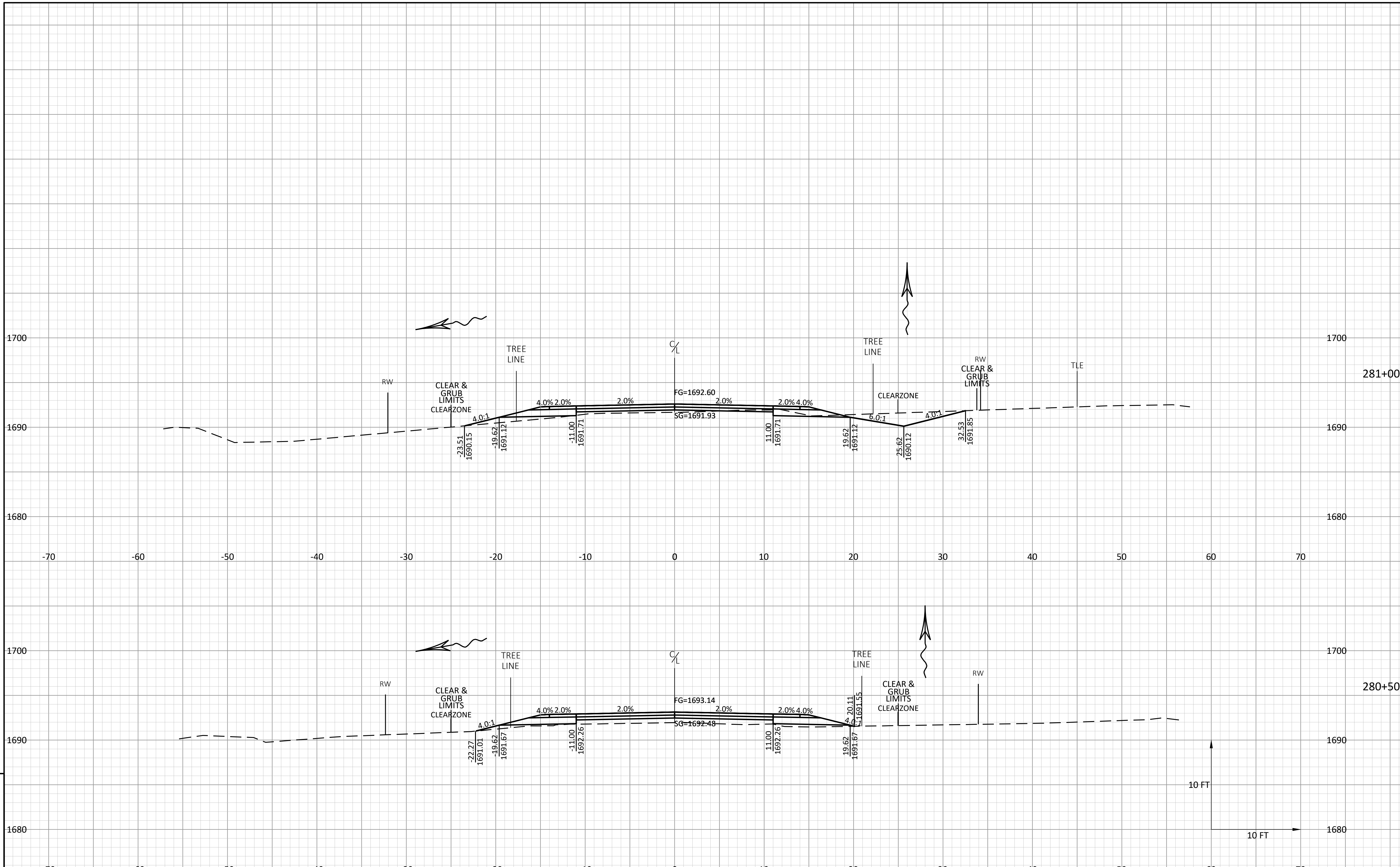
PROJECT NO: 9513-01-70 | HWY: CTH S | COUNTY: VILAS | CROSS SECTIONS: CTH S | SHEET 101 | E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:17:22 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.7 CROSS SECTIONS



9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

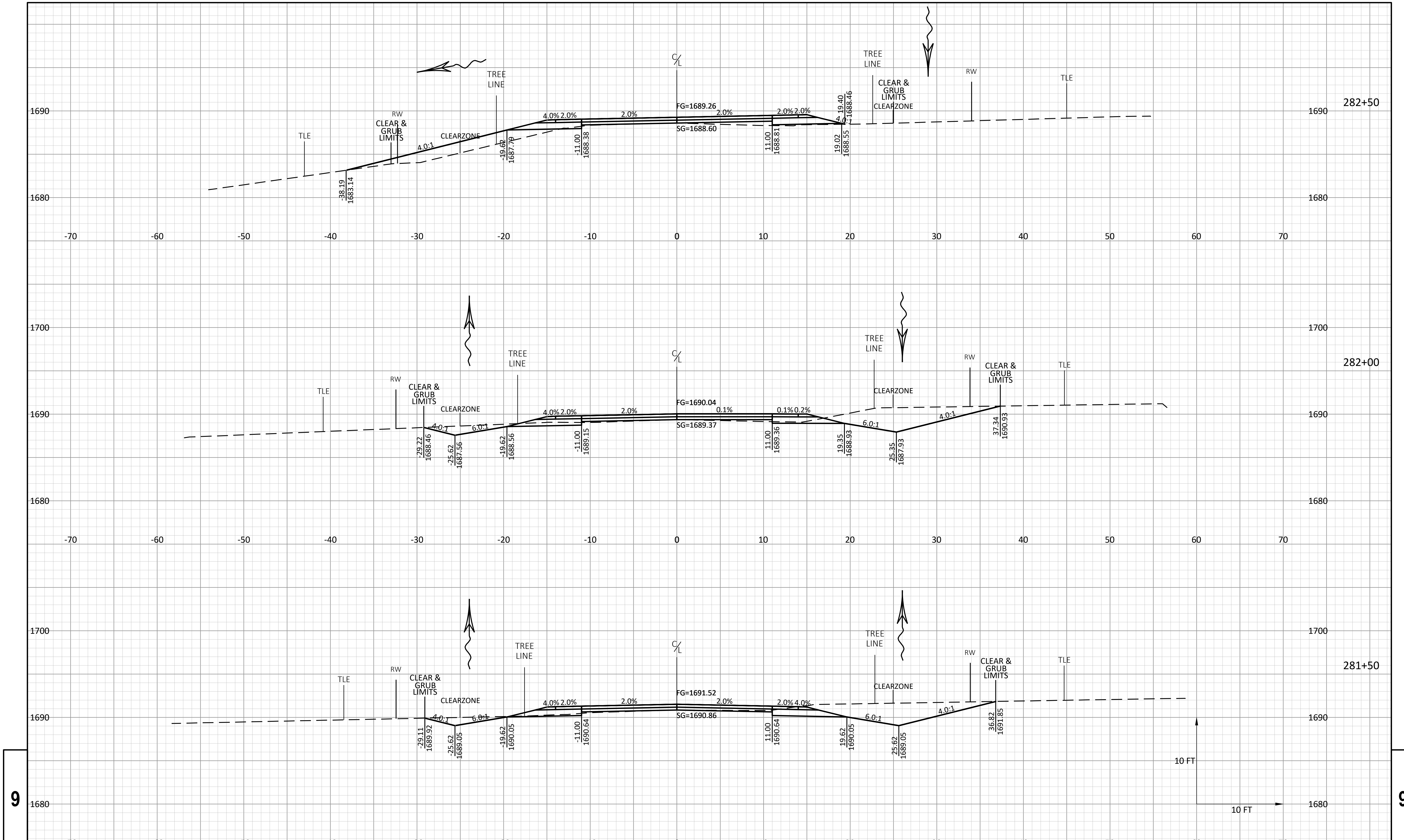


9

9

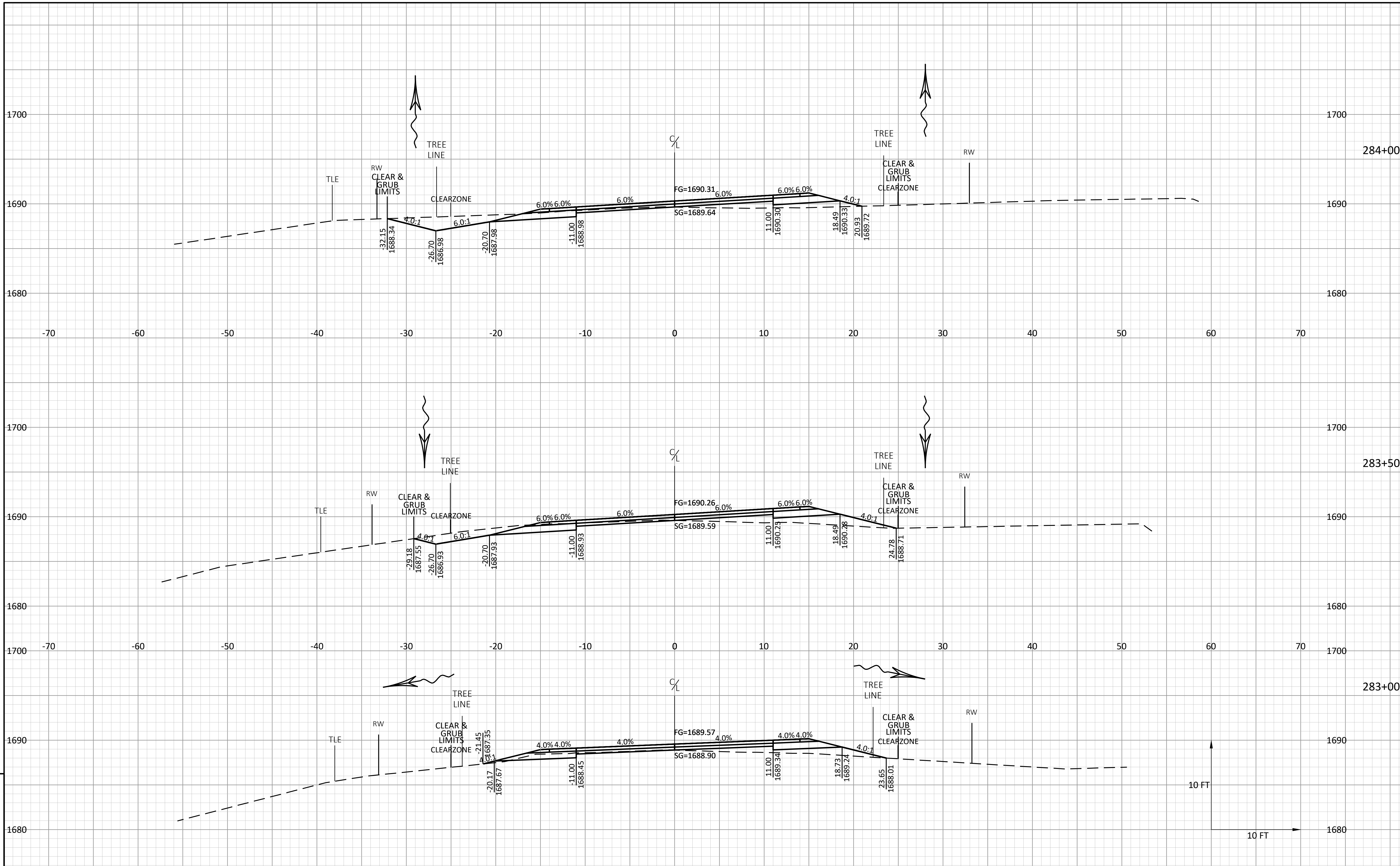
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:17:32 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.9 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 104	E

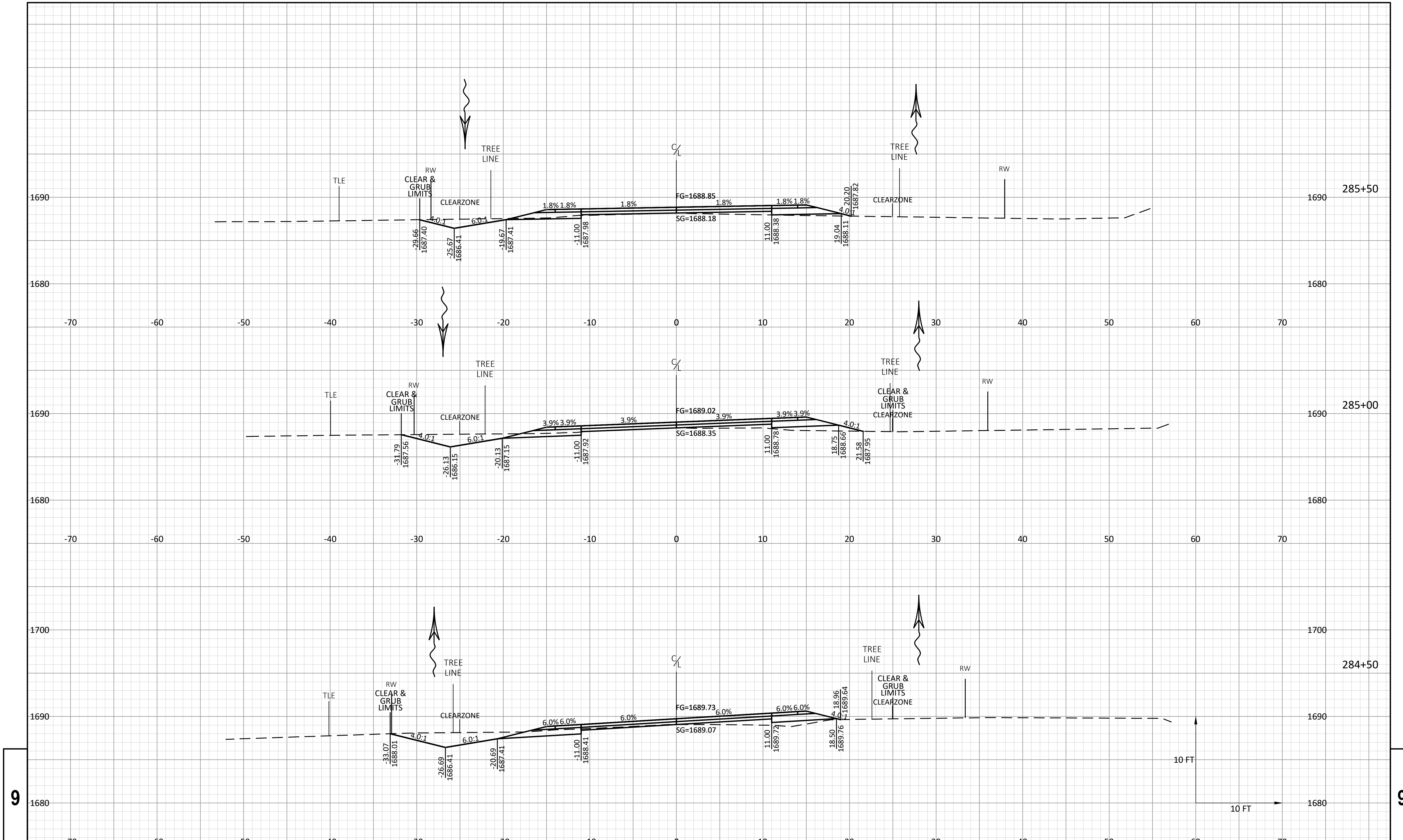
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:17:37 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.10 CROSS SECTIONS



9

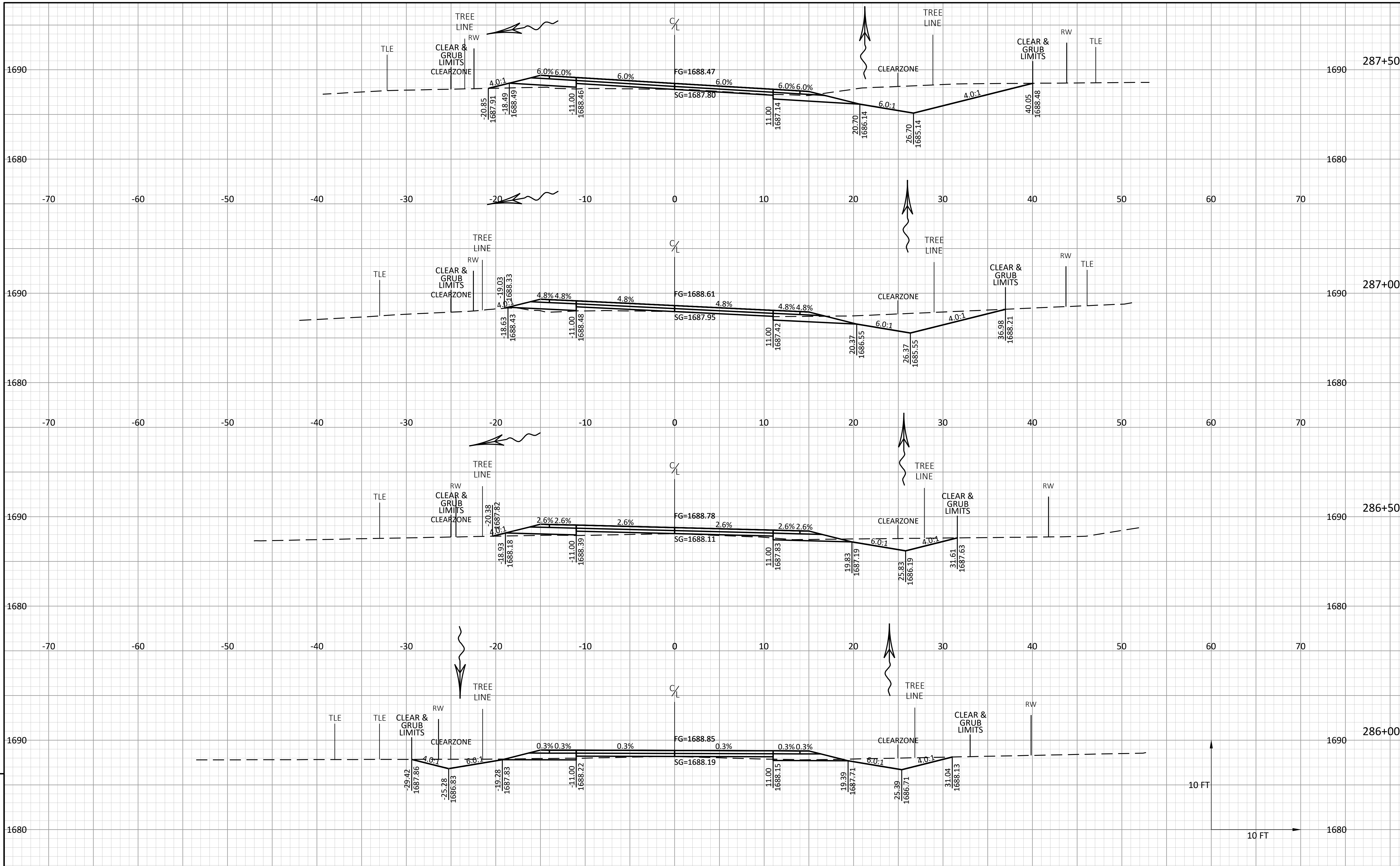
9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 105	E



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

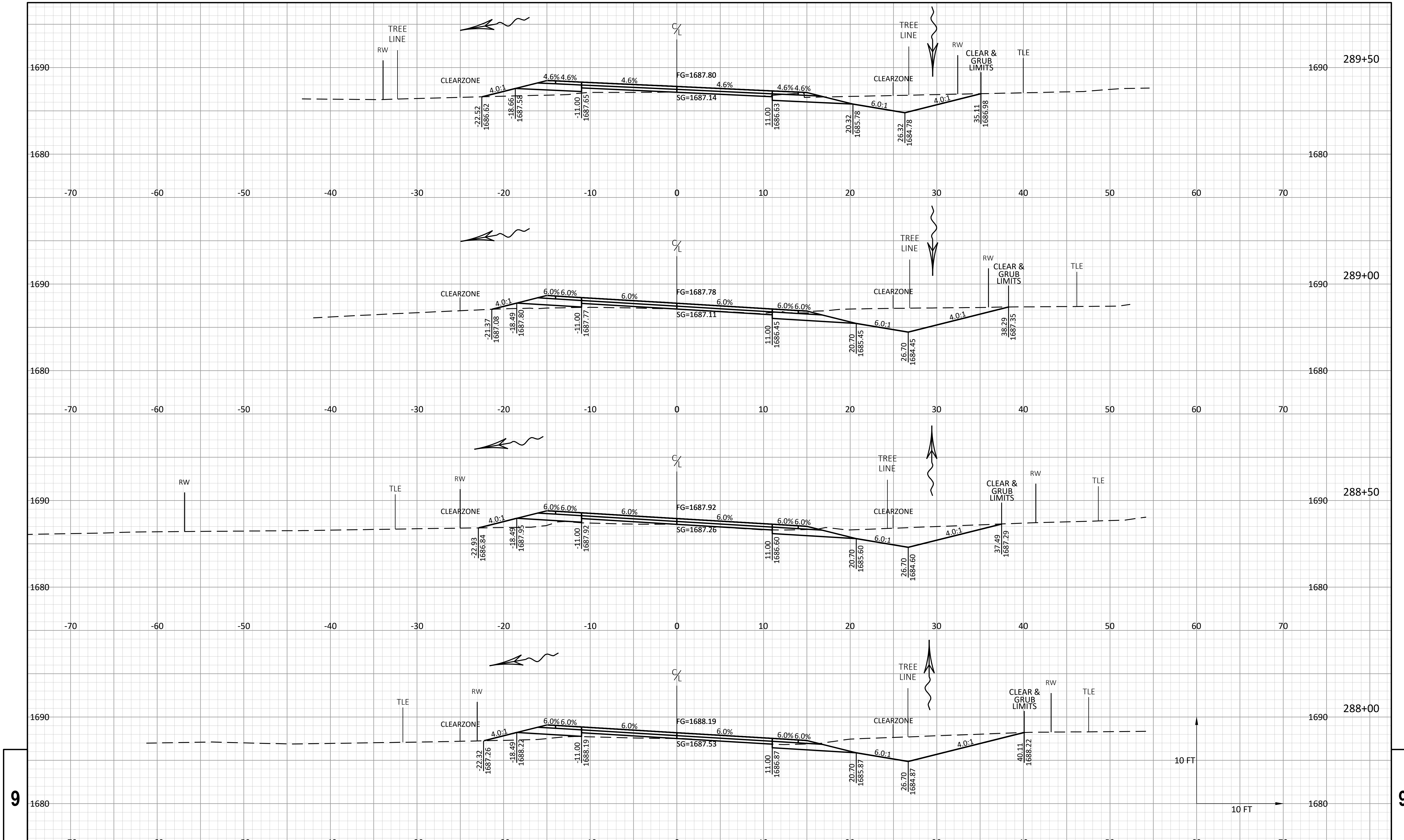
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:17:47 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.12 CROSS SECTIONS



9

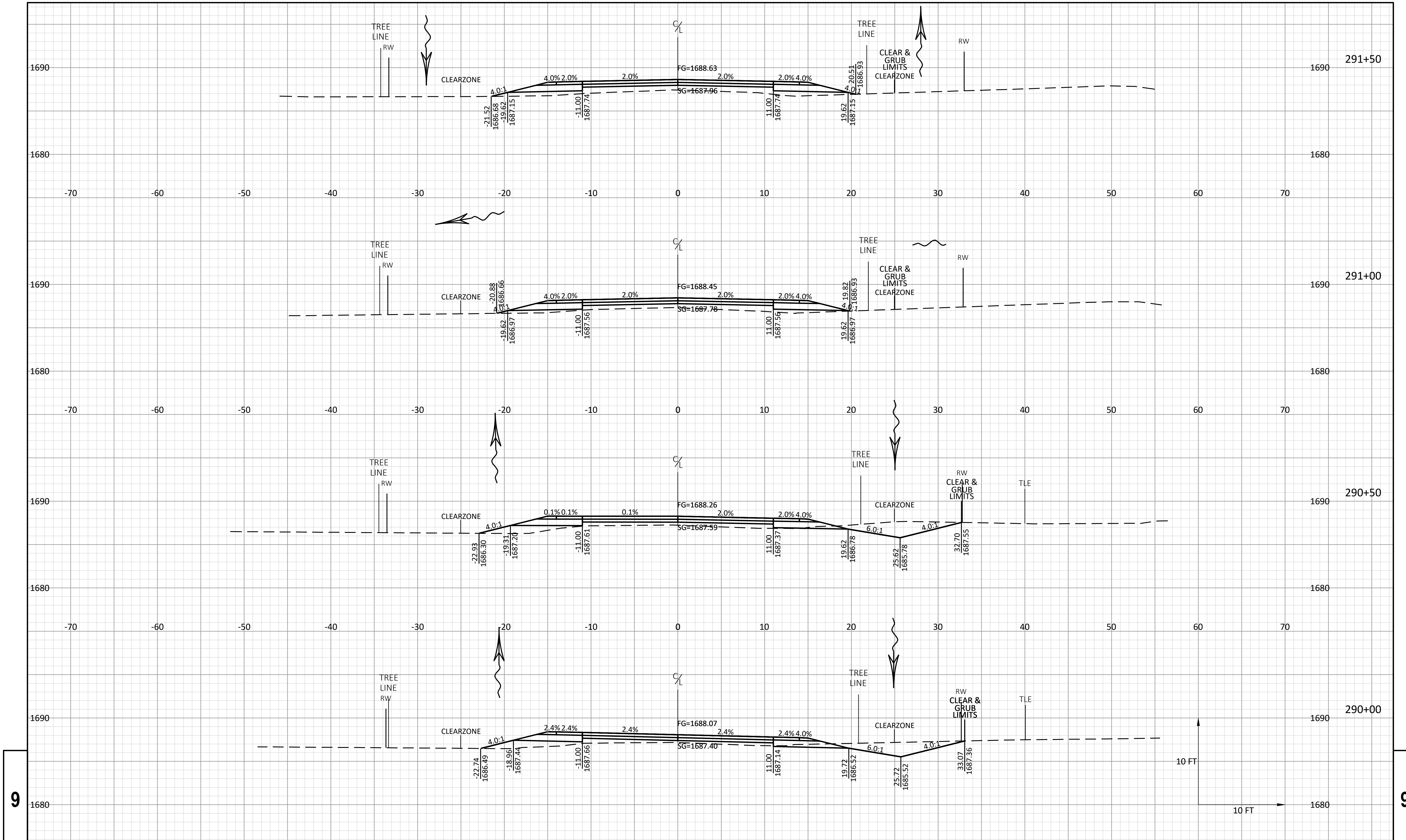
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 107	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:17:52 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.13 CROSS SECTIONS

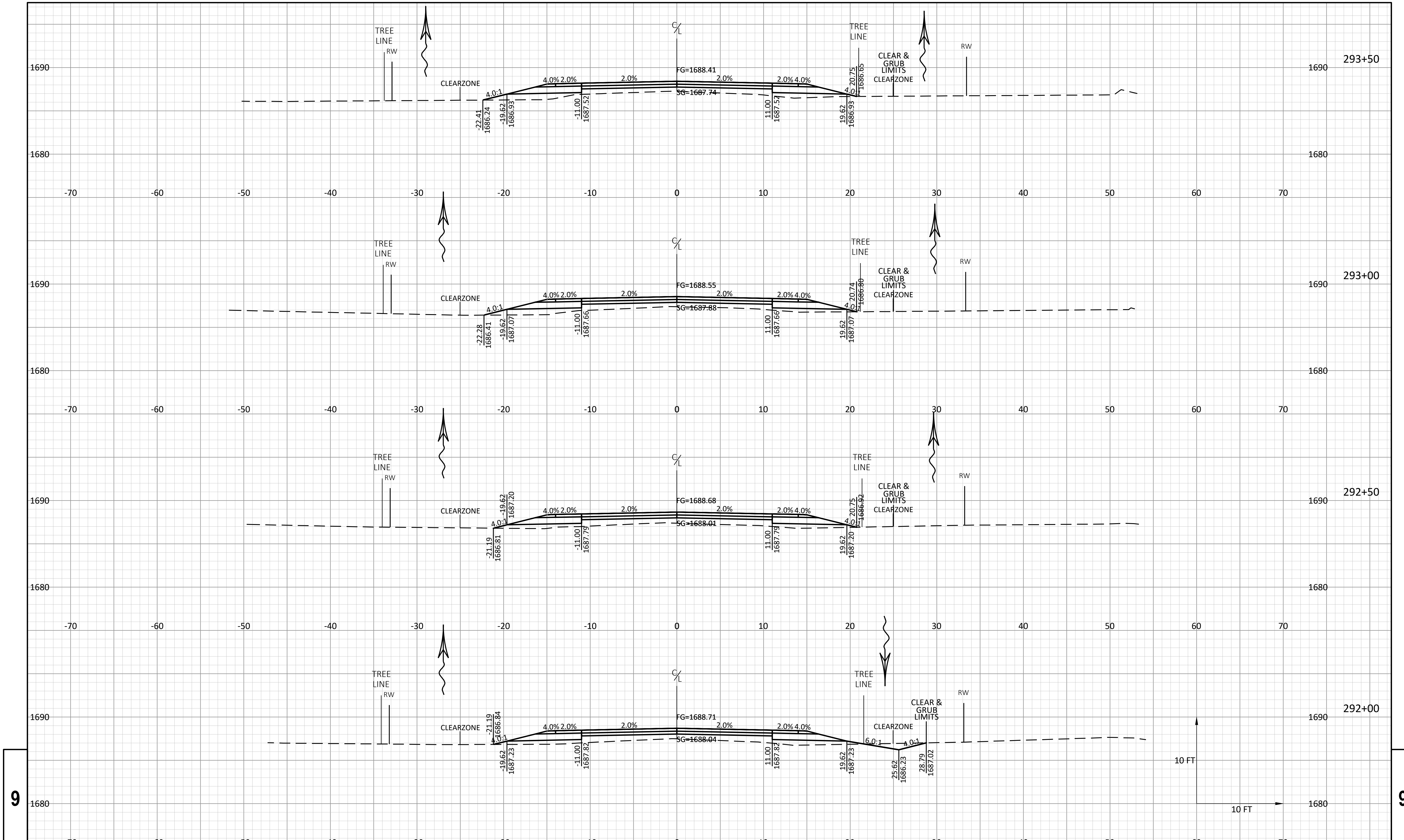


PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 108	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:17:57 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.14 CROSS SECTIONS



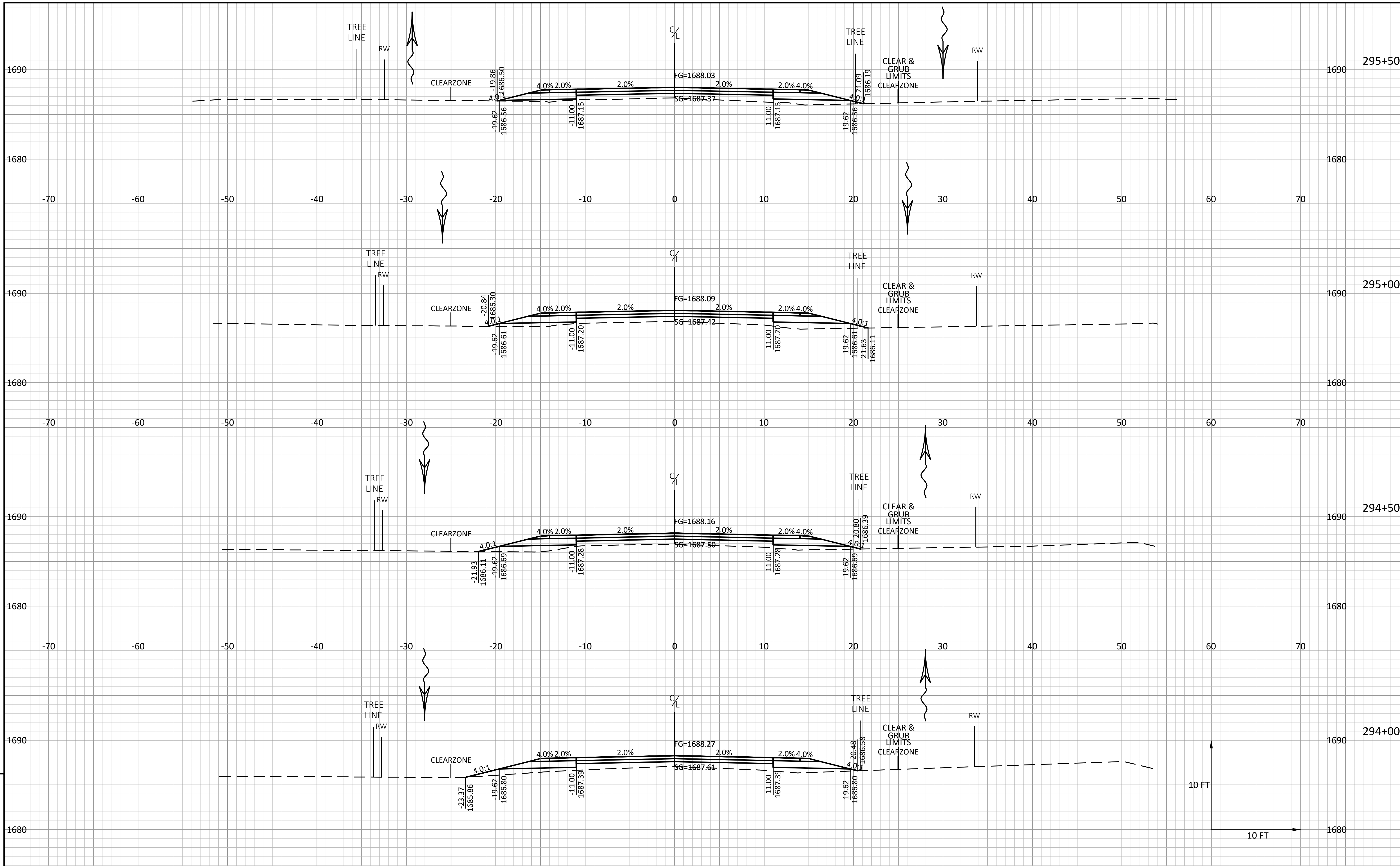
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 109	E



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:07 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.16 CROSS SECTIONS

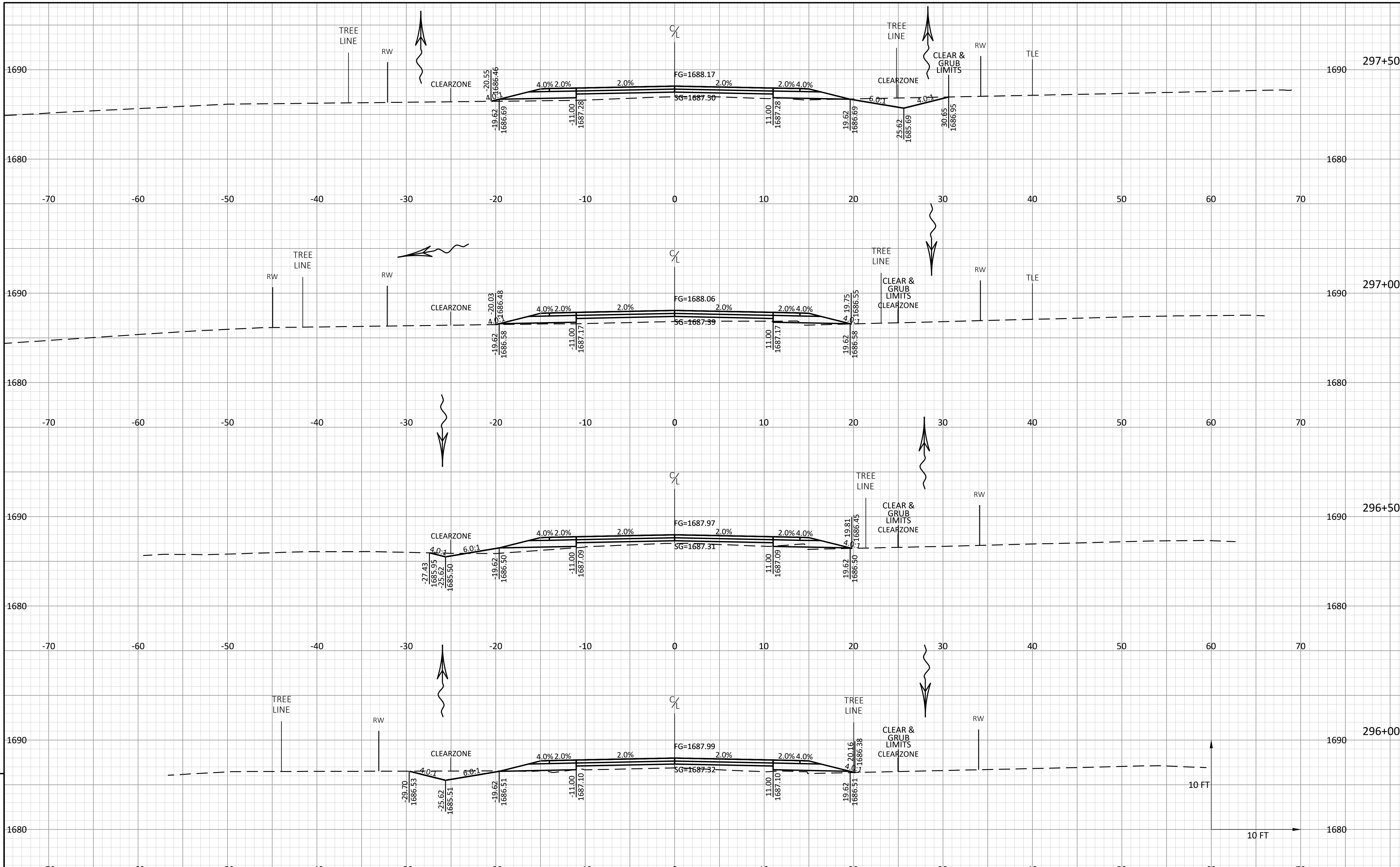
9



9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 111	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:12 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.17 CROSS SECTIONS

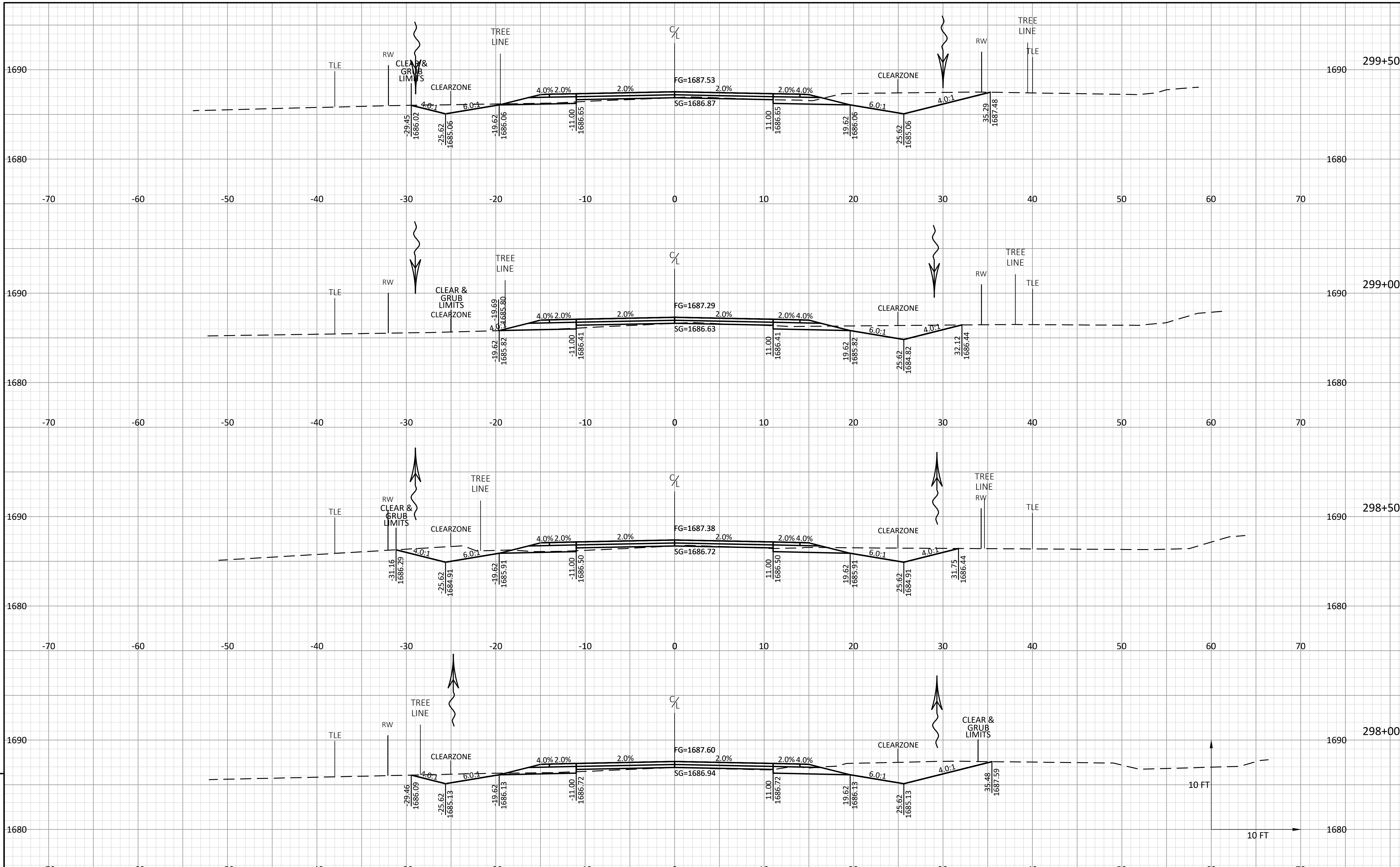


9

9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 112	E

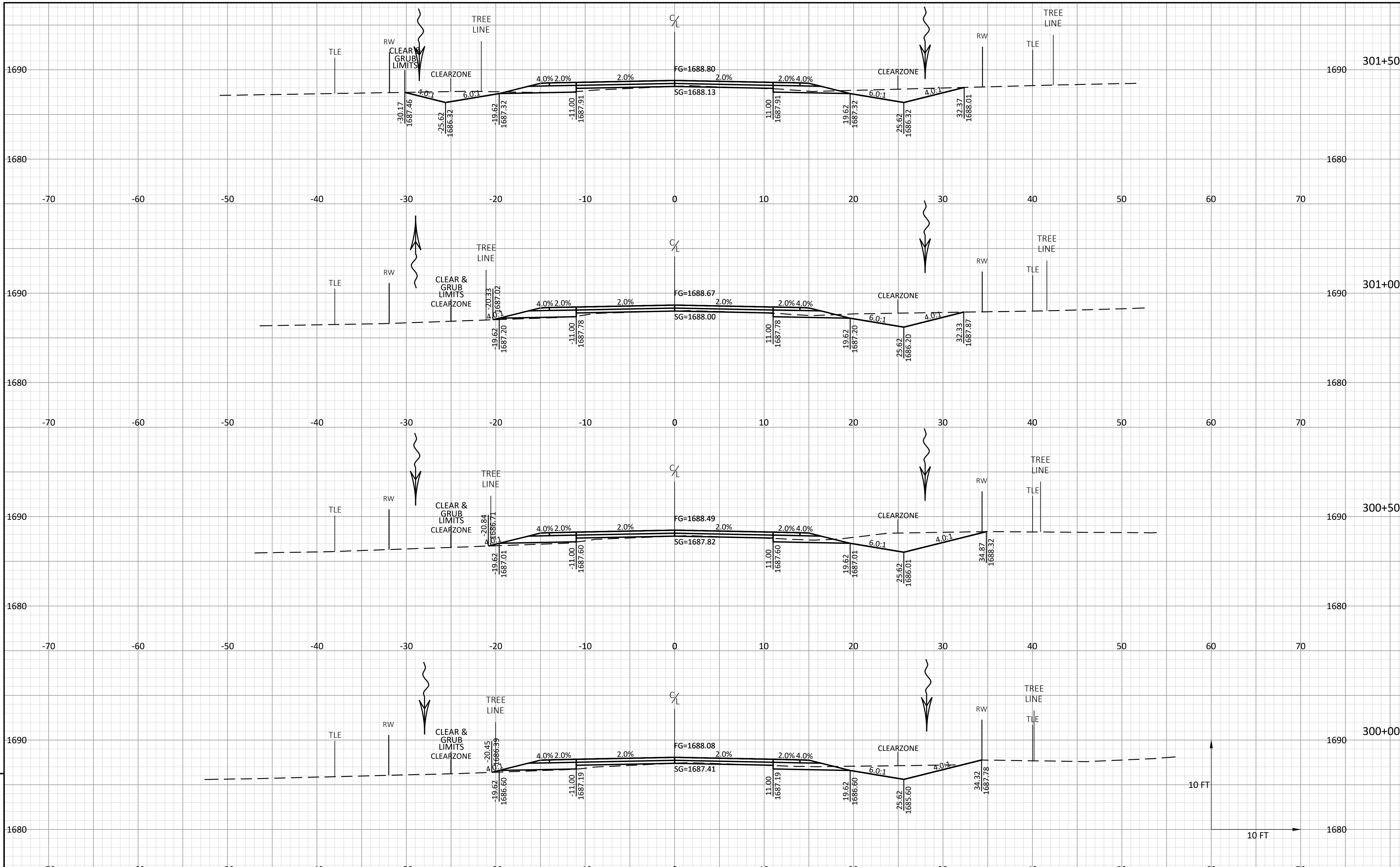
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:17 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.18 CROSS SECTIONS



9

9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 113	E

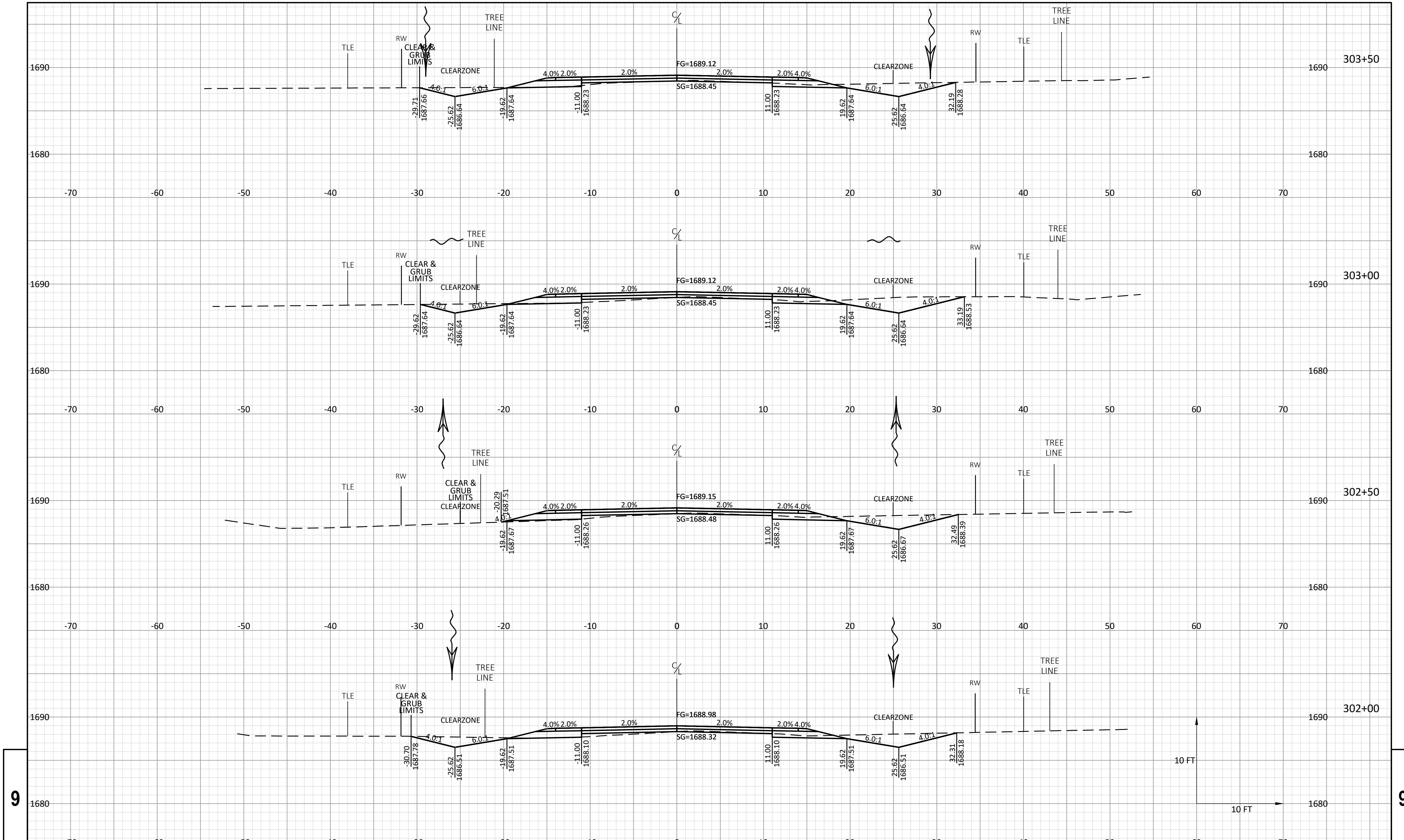


9

9

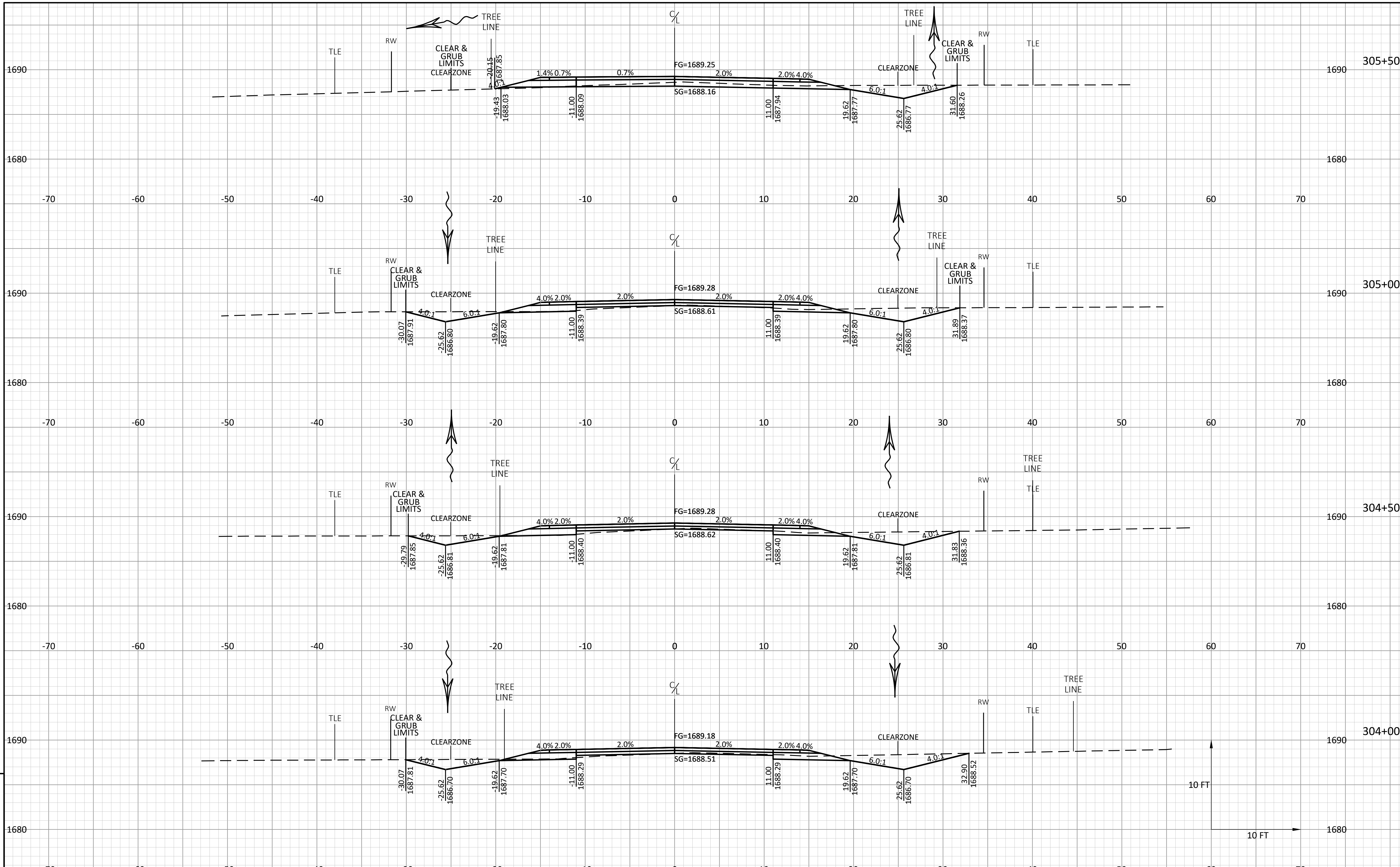
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 114	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:27 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.20 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 115	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:32 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.21 CROSS SECTIONS



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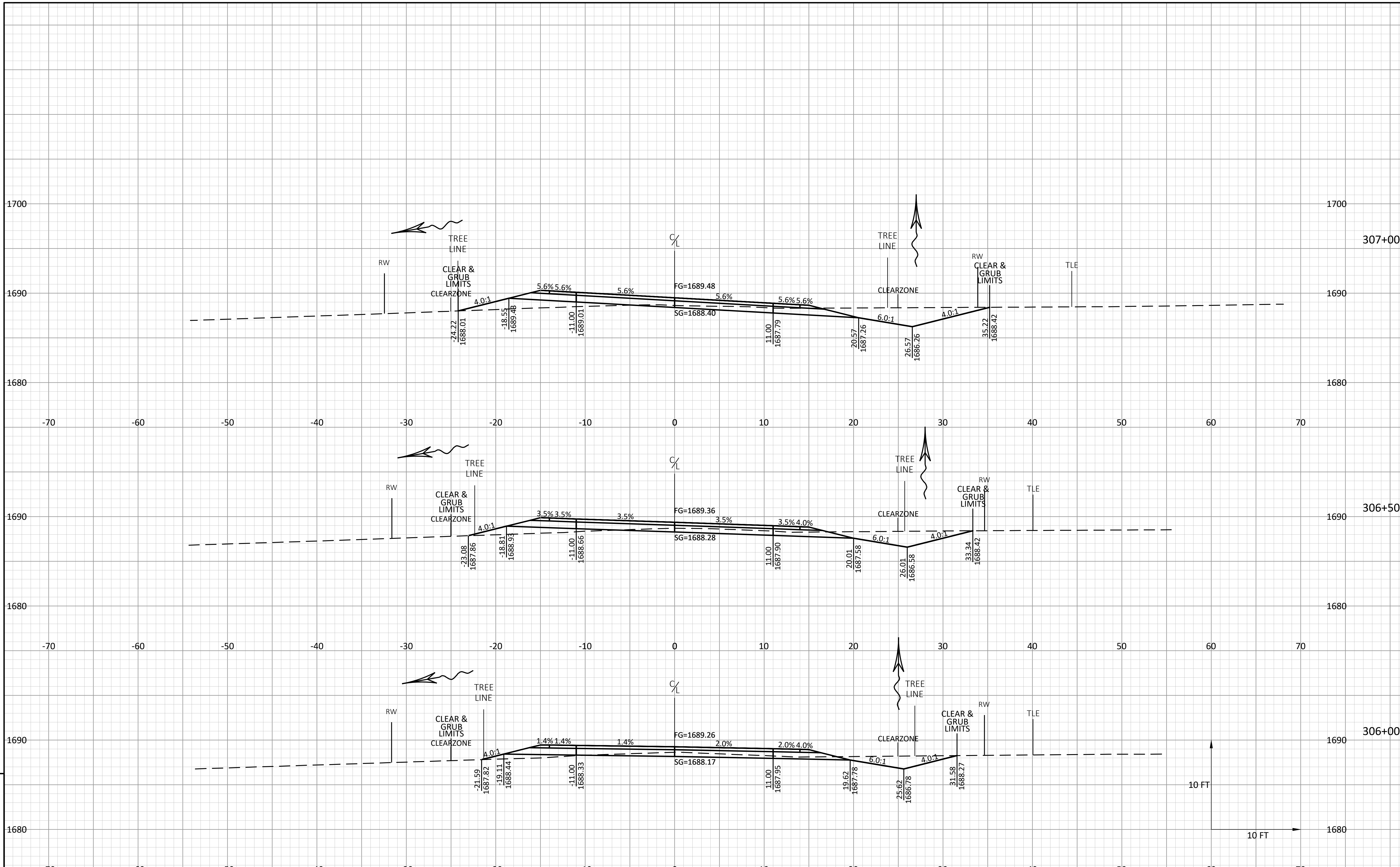
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 116	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:37 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.22 CROSS SECTIONS

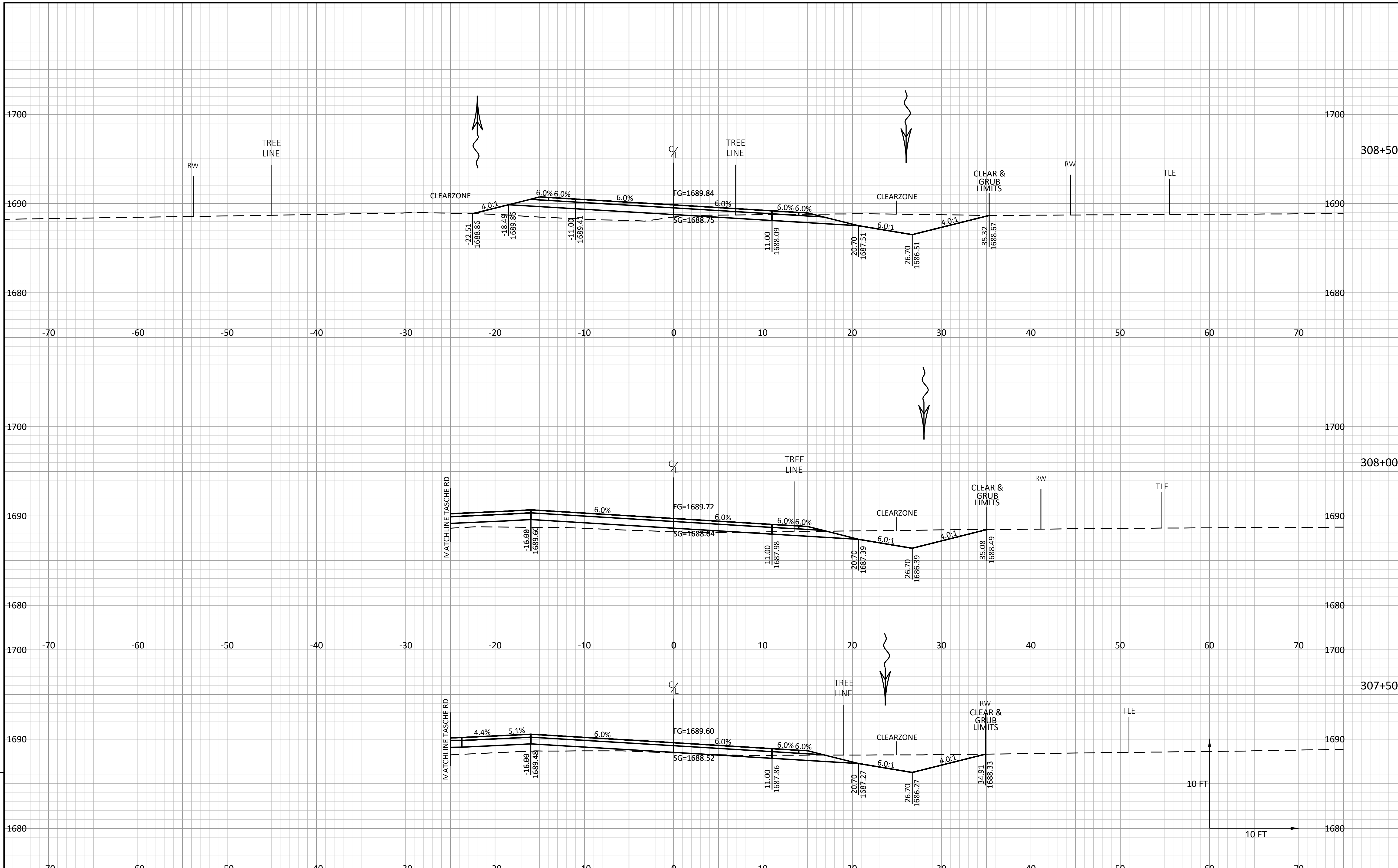


9

9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 117	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:42 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.23 CROSS SECTIONS



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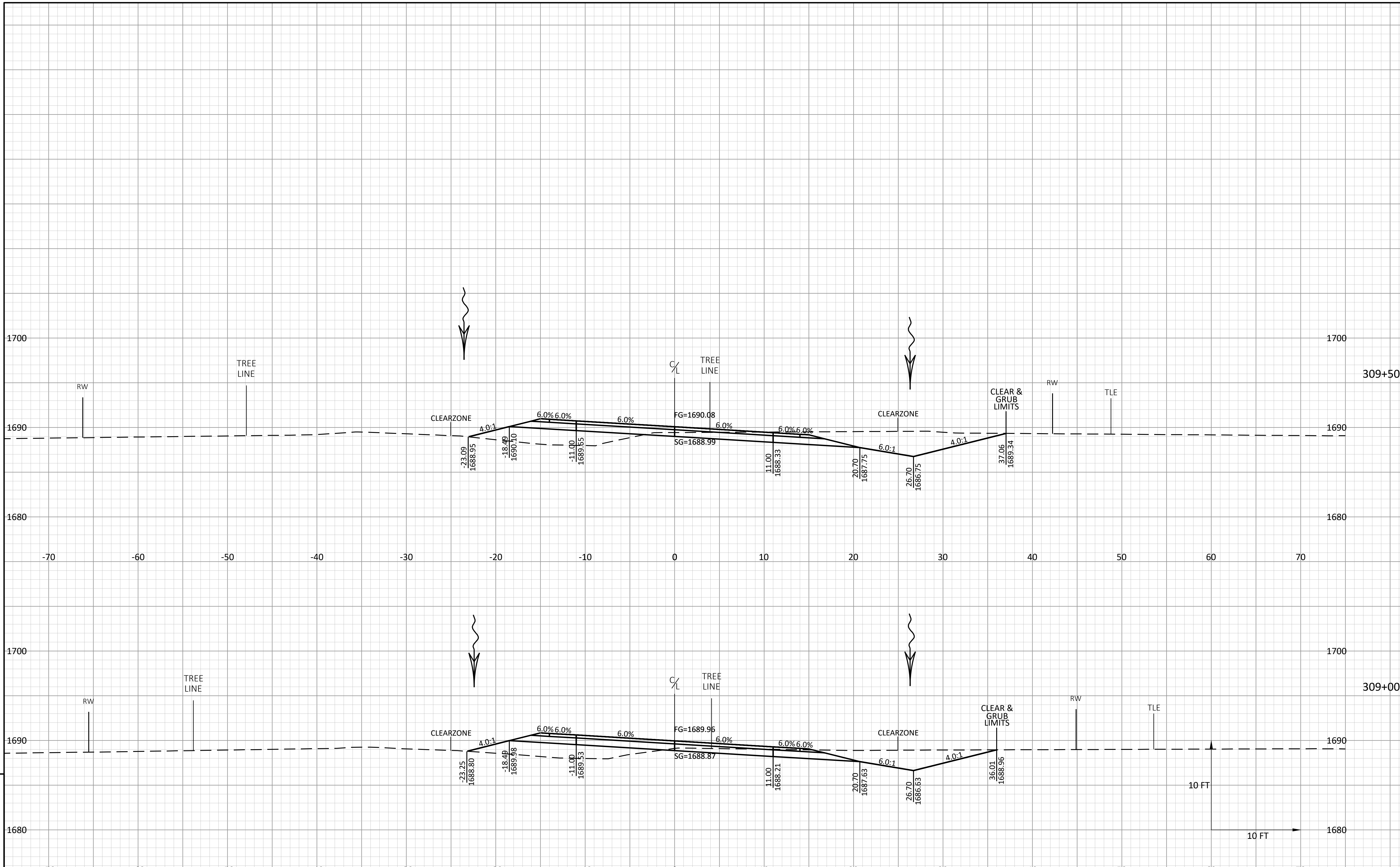
9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 118	E

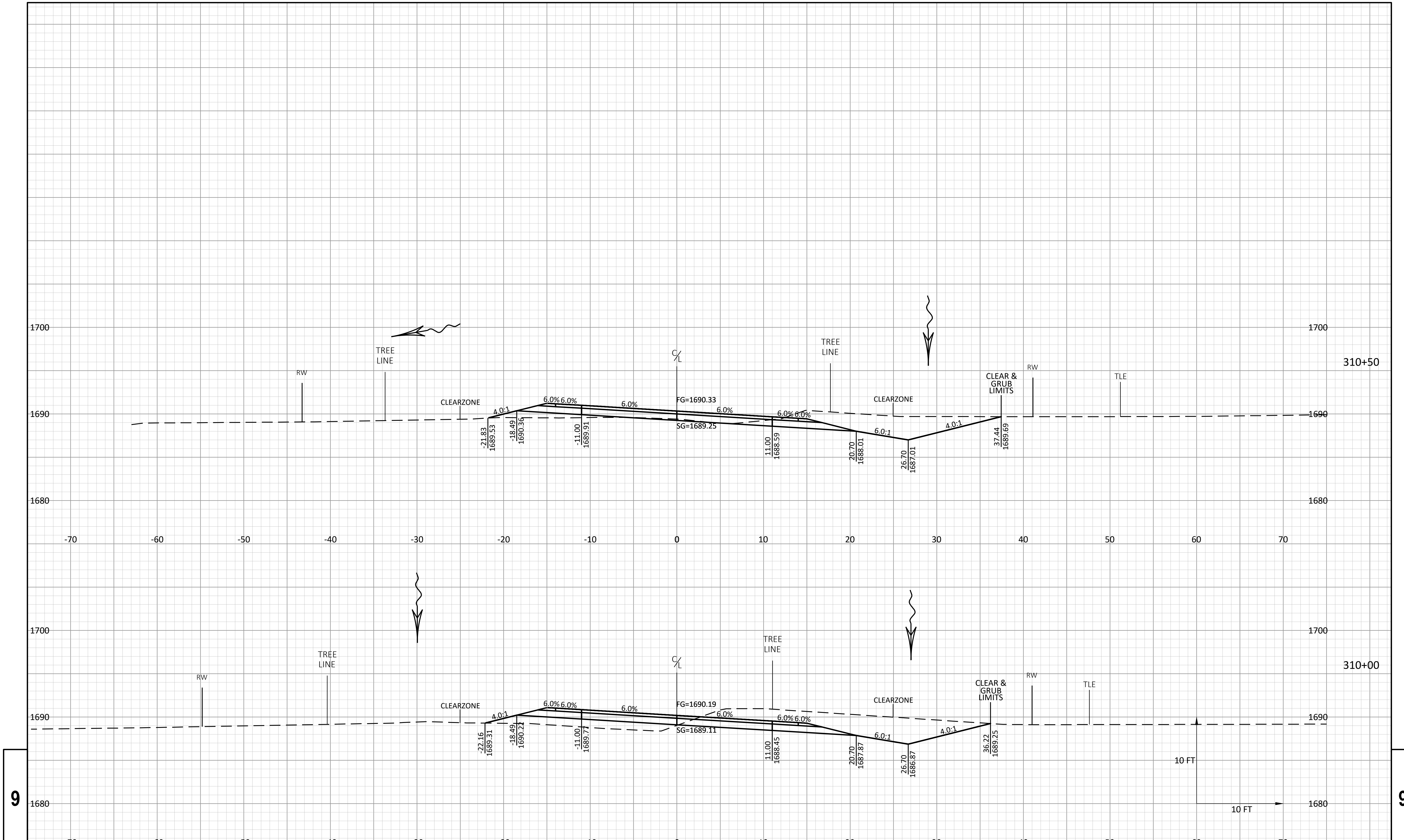
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:47 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.24 CROSS SECTIONS



9

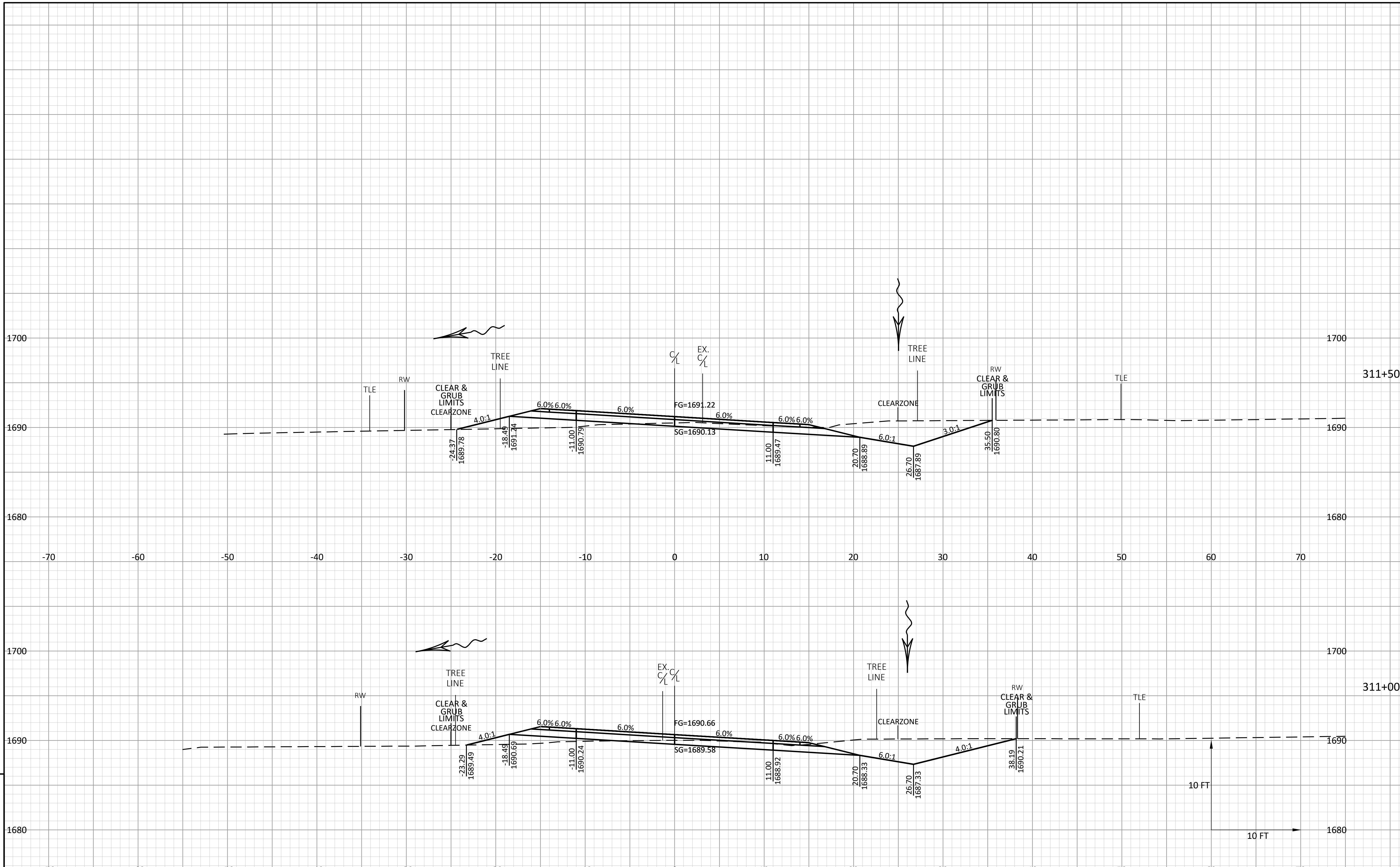
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:52 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.25 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:18:57 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.26 CROSS SECTIONS



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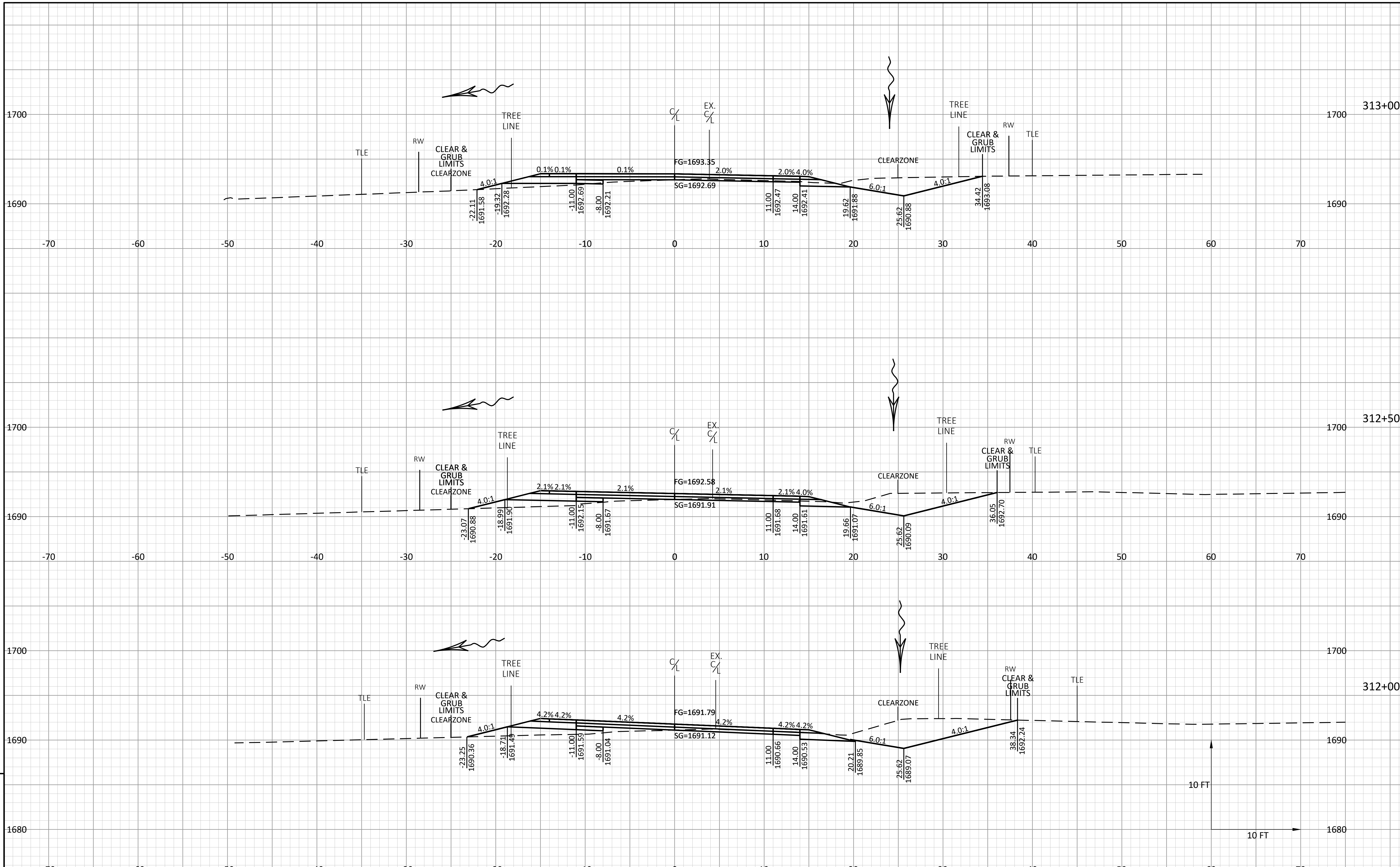
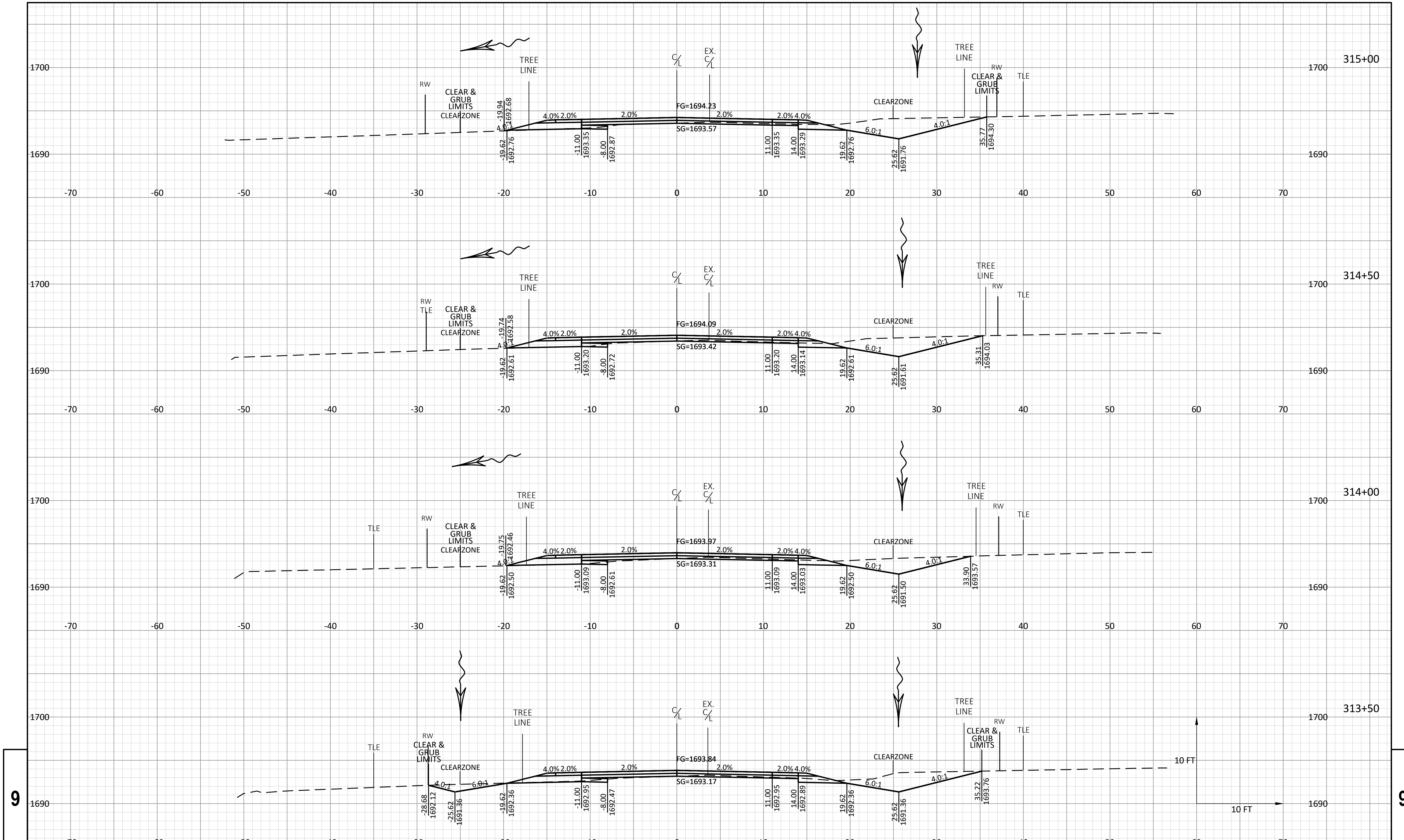
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 121	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:02 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.27 CROSS SECTIONS



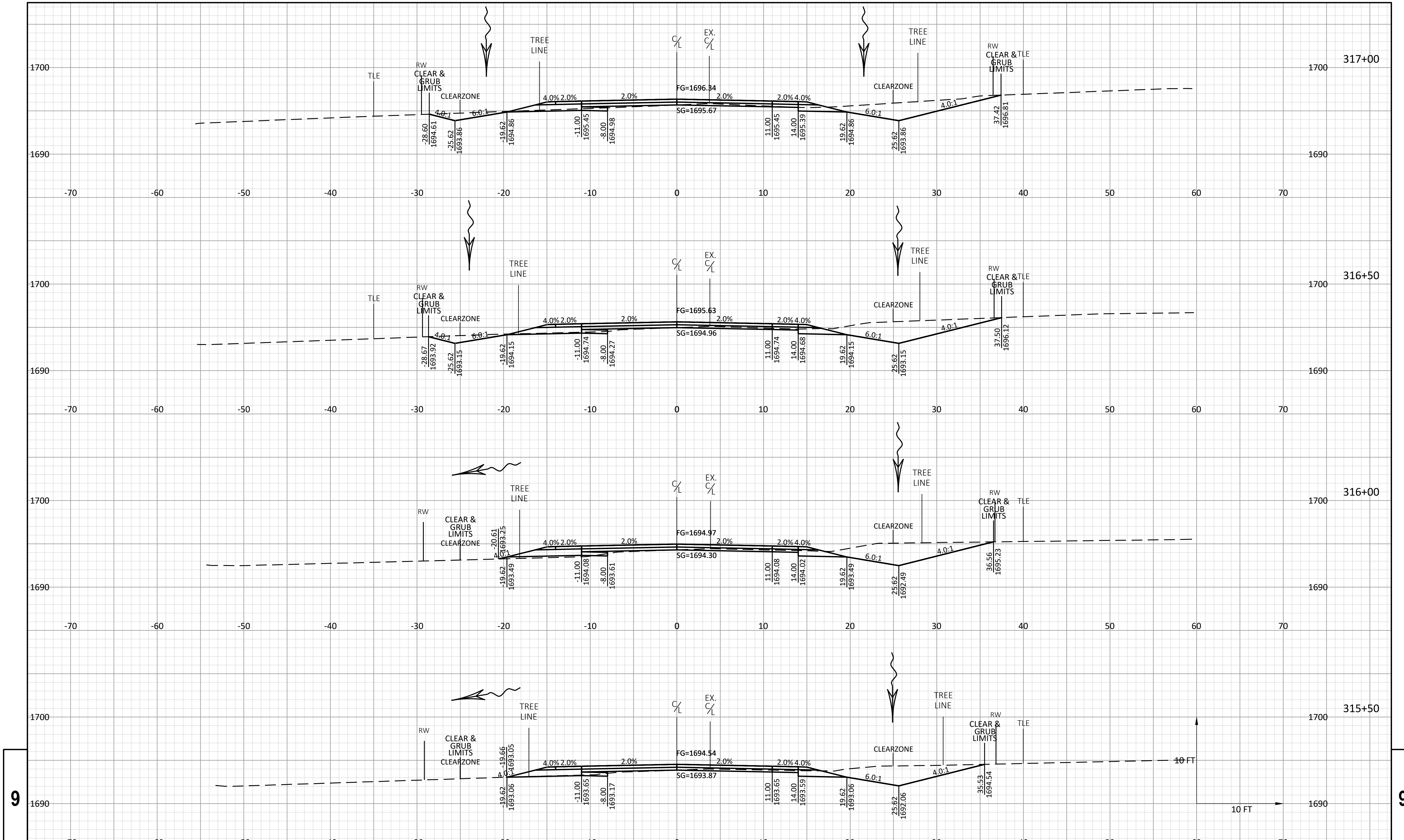
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 122	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:07 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.28 CROSS SECTIONS

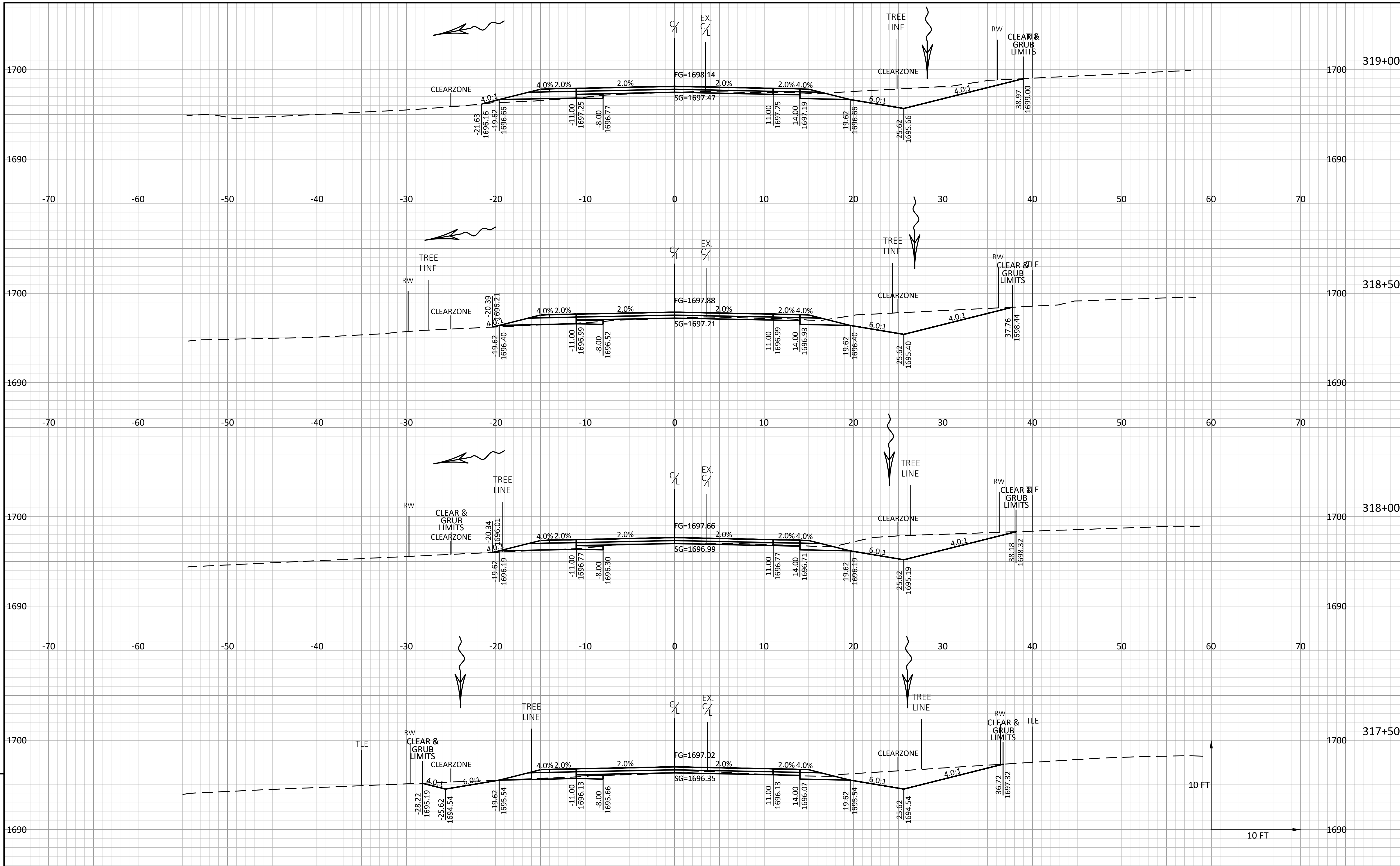


PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 123	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:13 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.29 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 124	E



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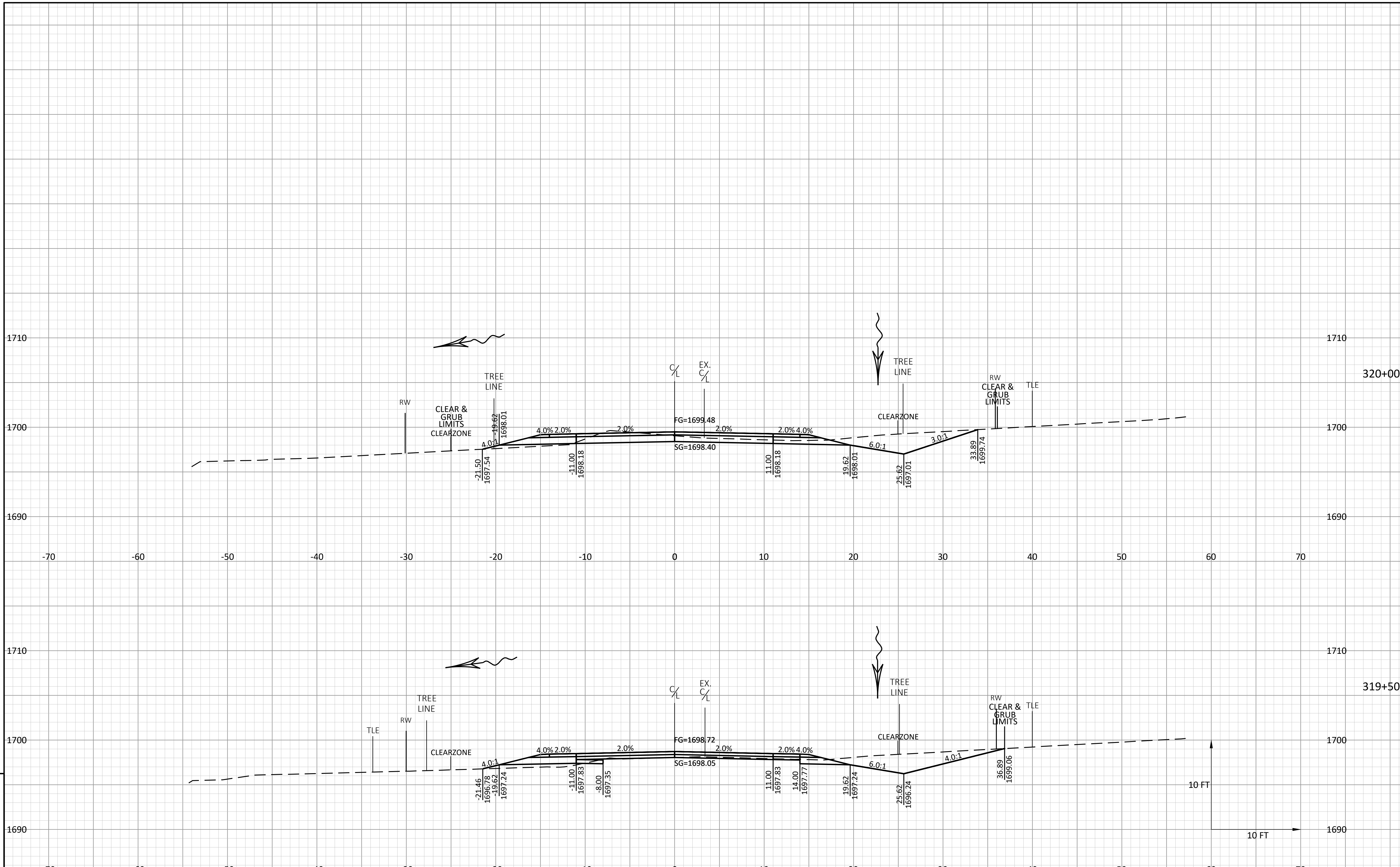
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 125	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:22 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.31 CROSS SECTIONS



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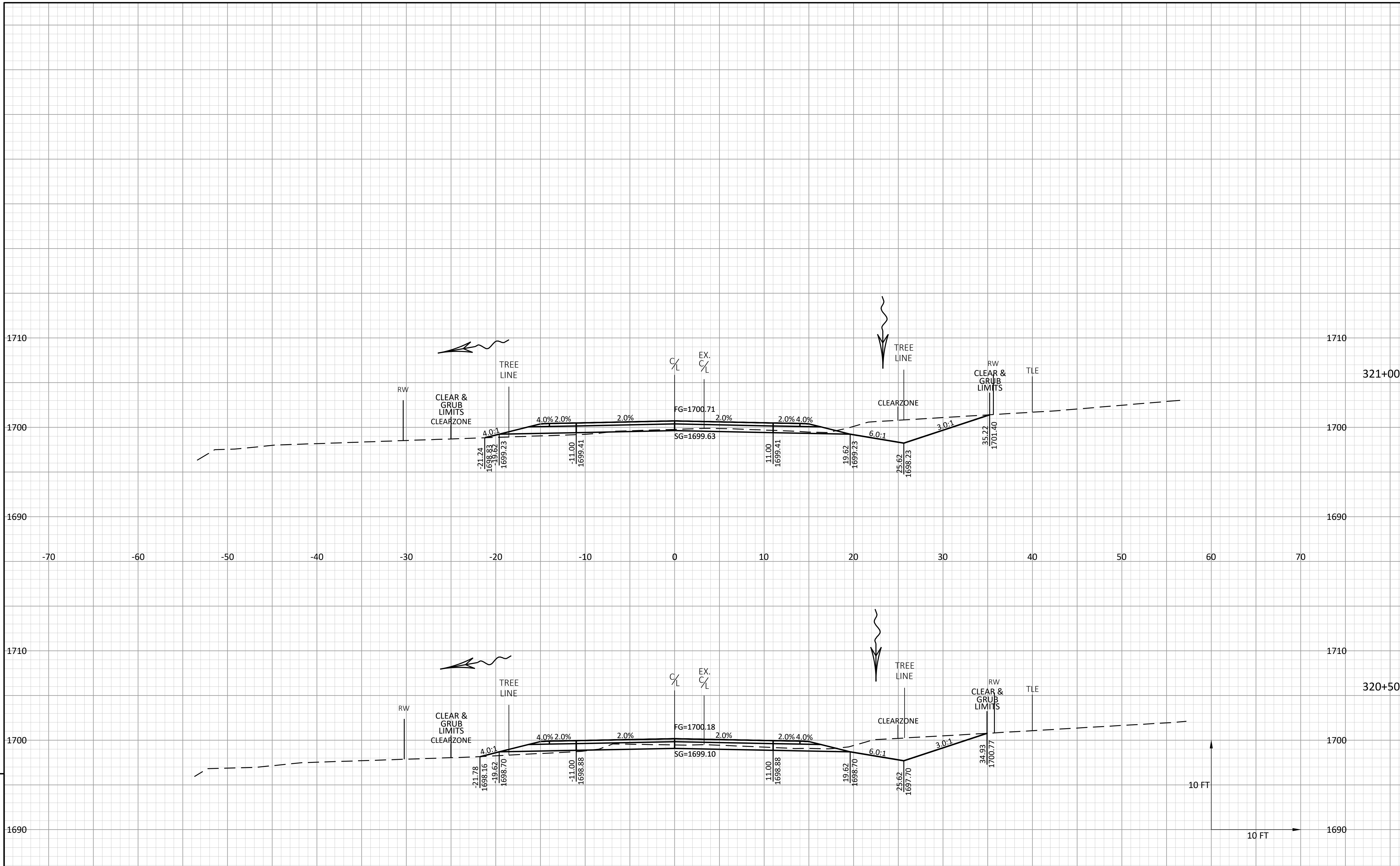
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 126	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:27 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.32 CROSS SECTIONS

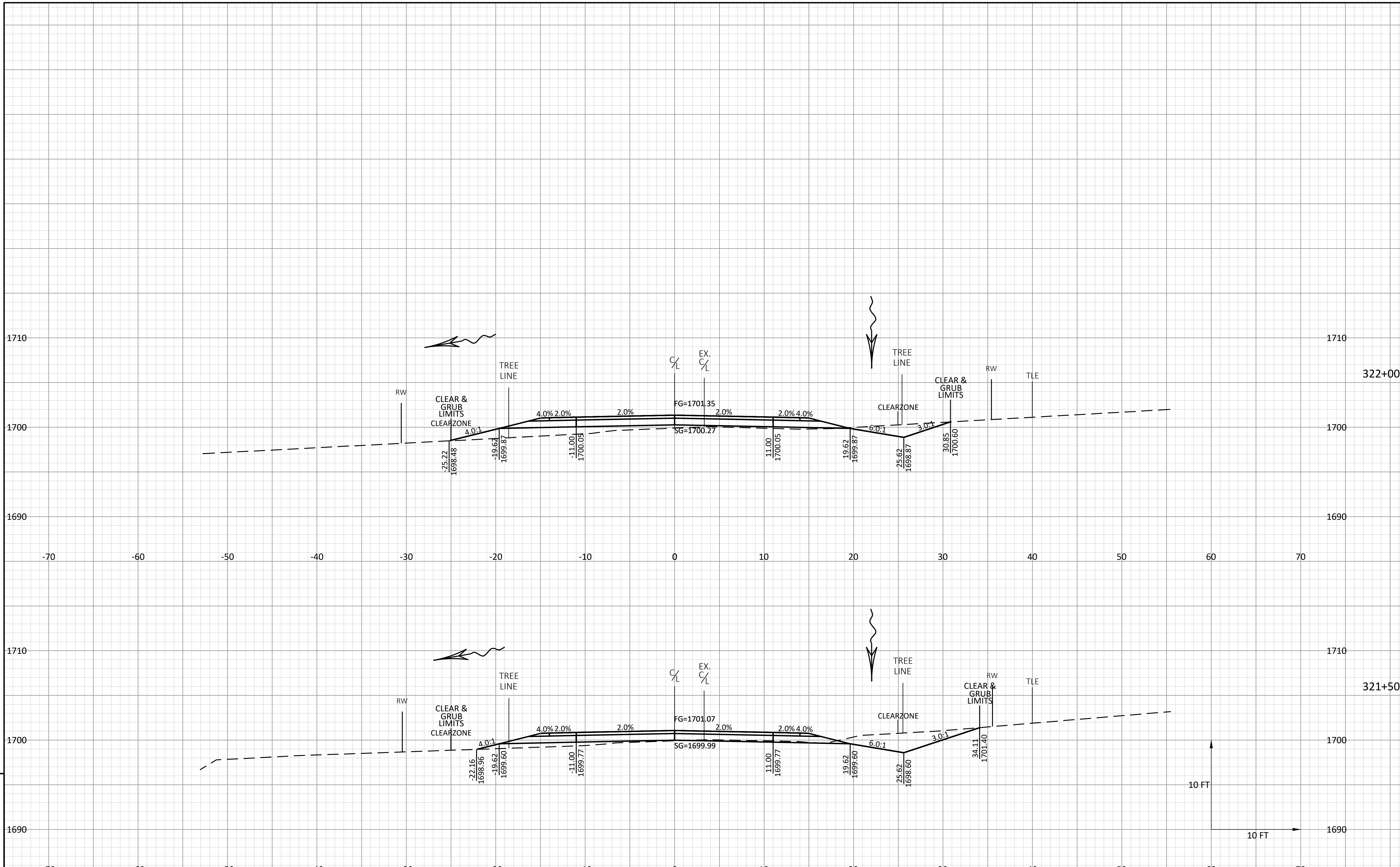


9

9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:32 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.33 CROSS SECTIONS



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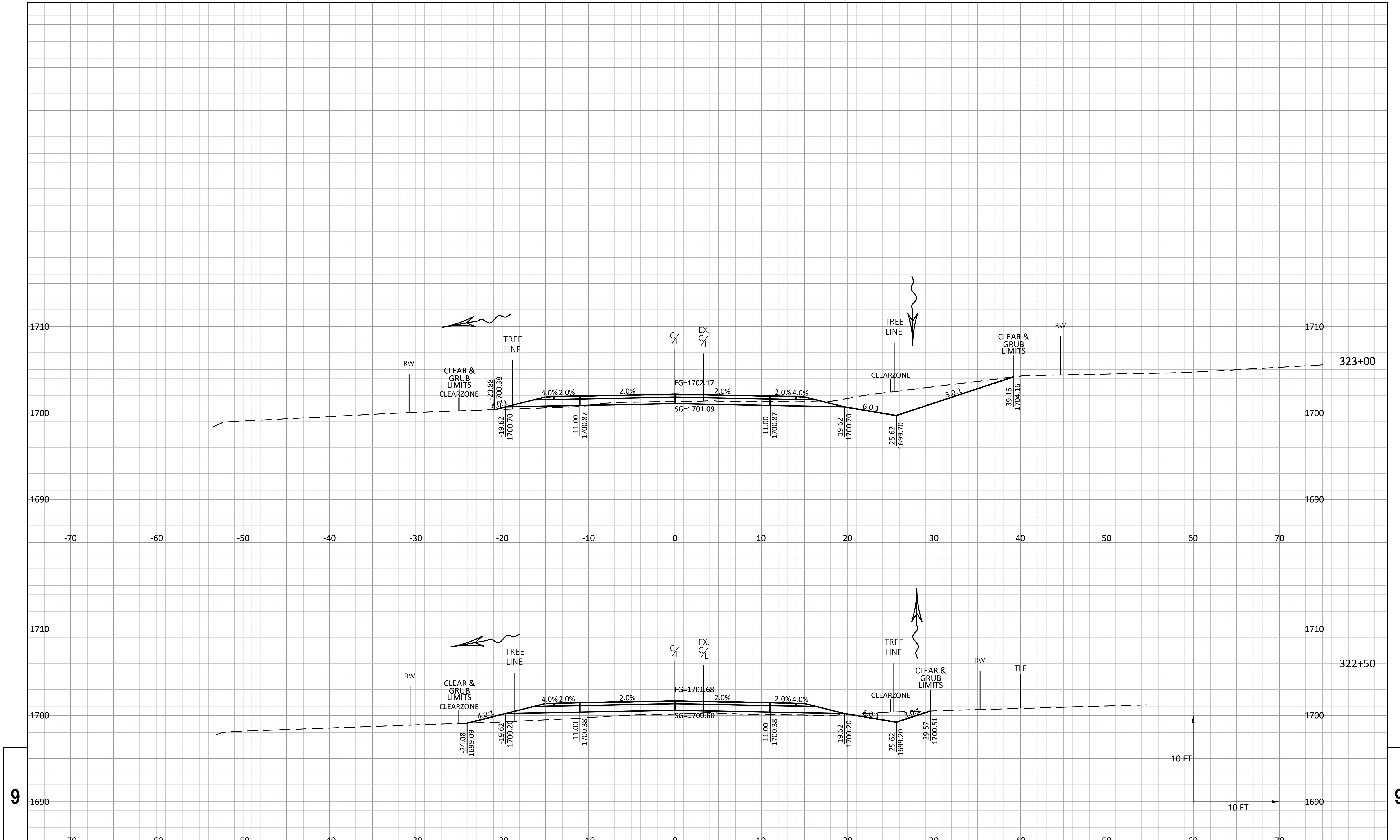
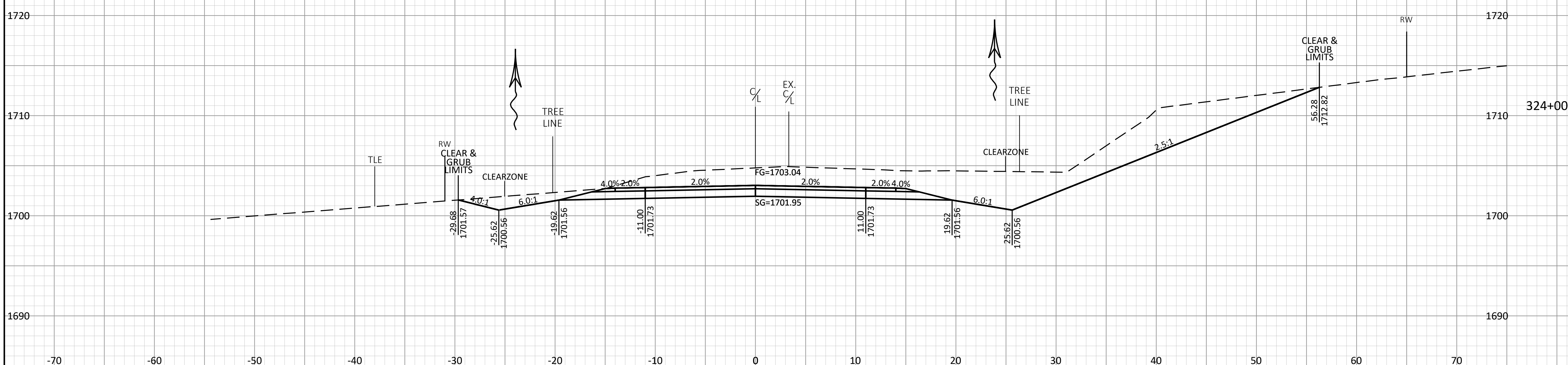
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 128	E

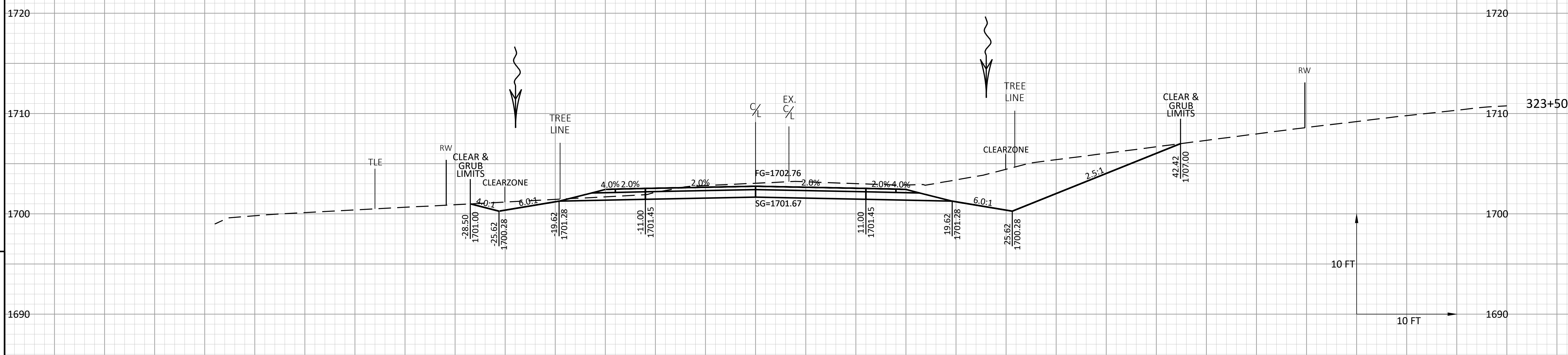
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:37 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.34 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 129	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:42 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.35 CROSS SECTIONS





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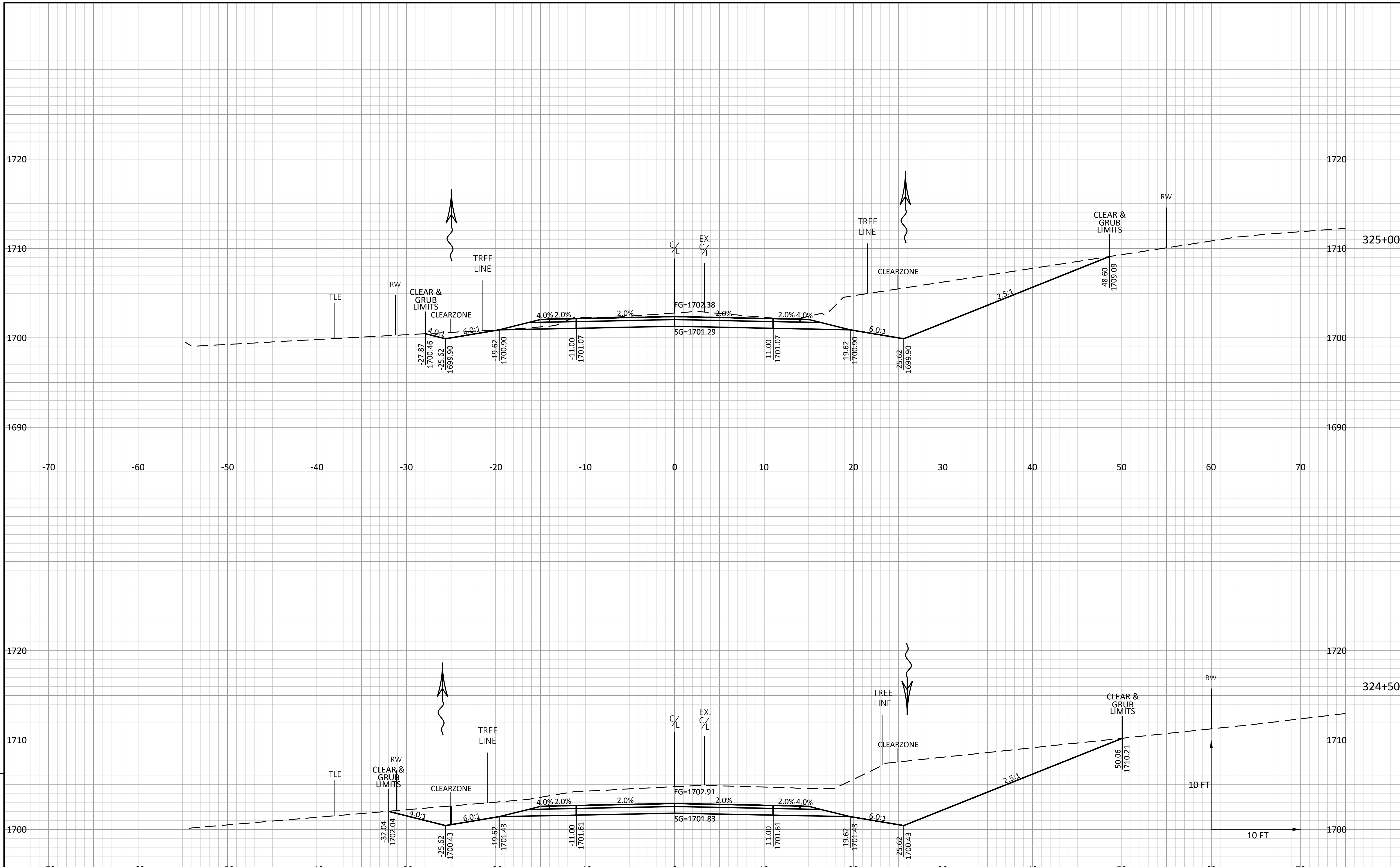
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 130	E



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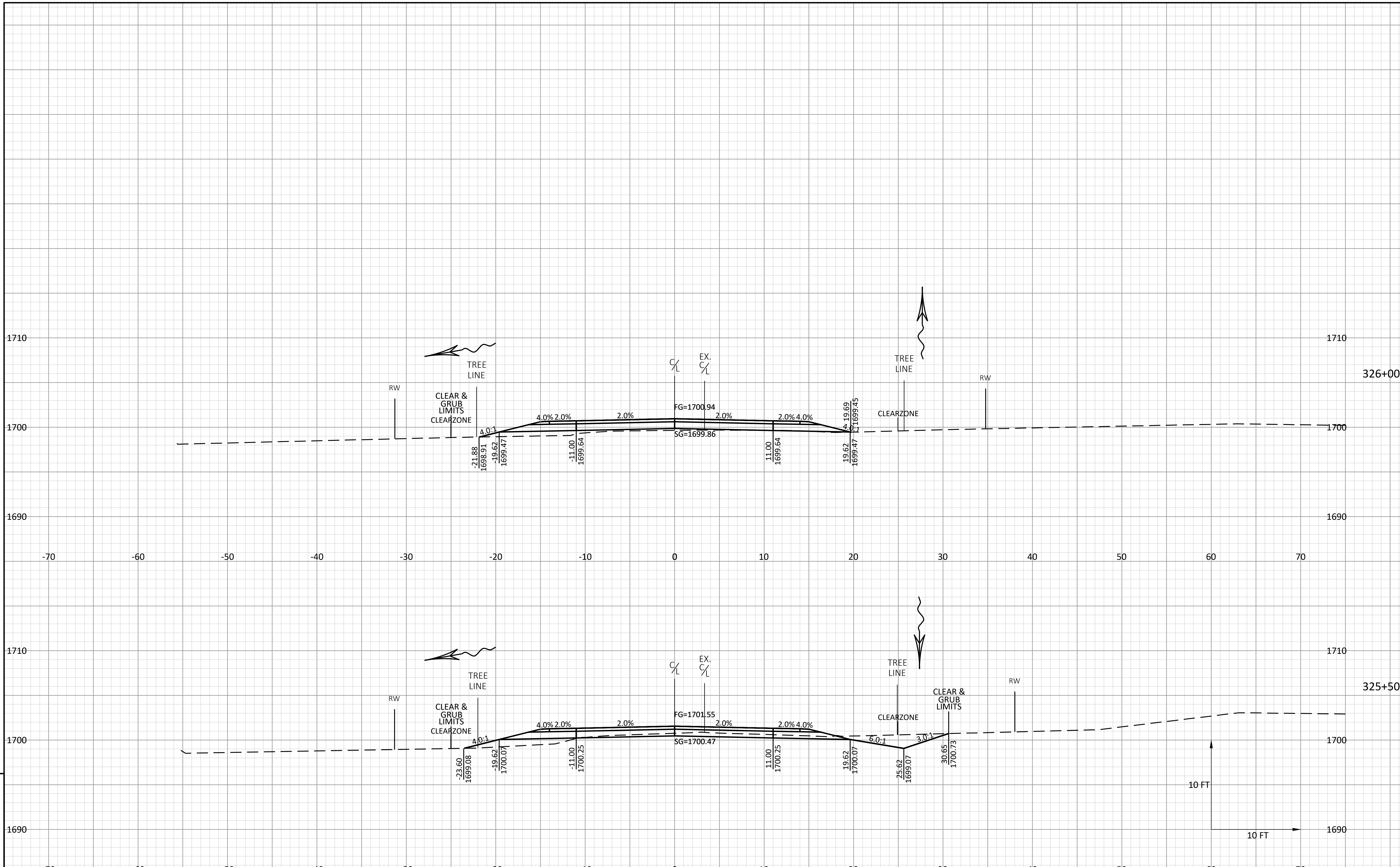
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 131	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:52 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.37 CROSS SECTIONS



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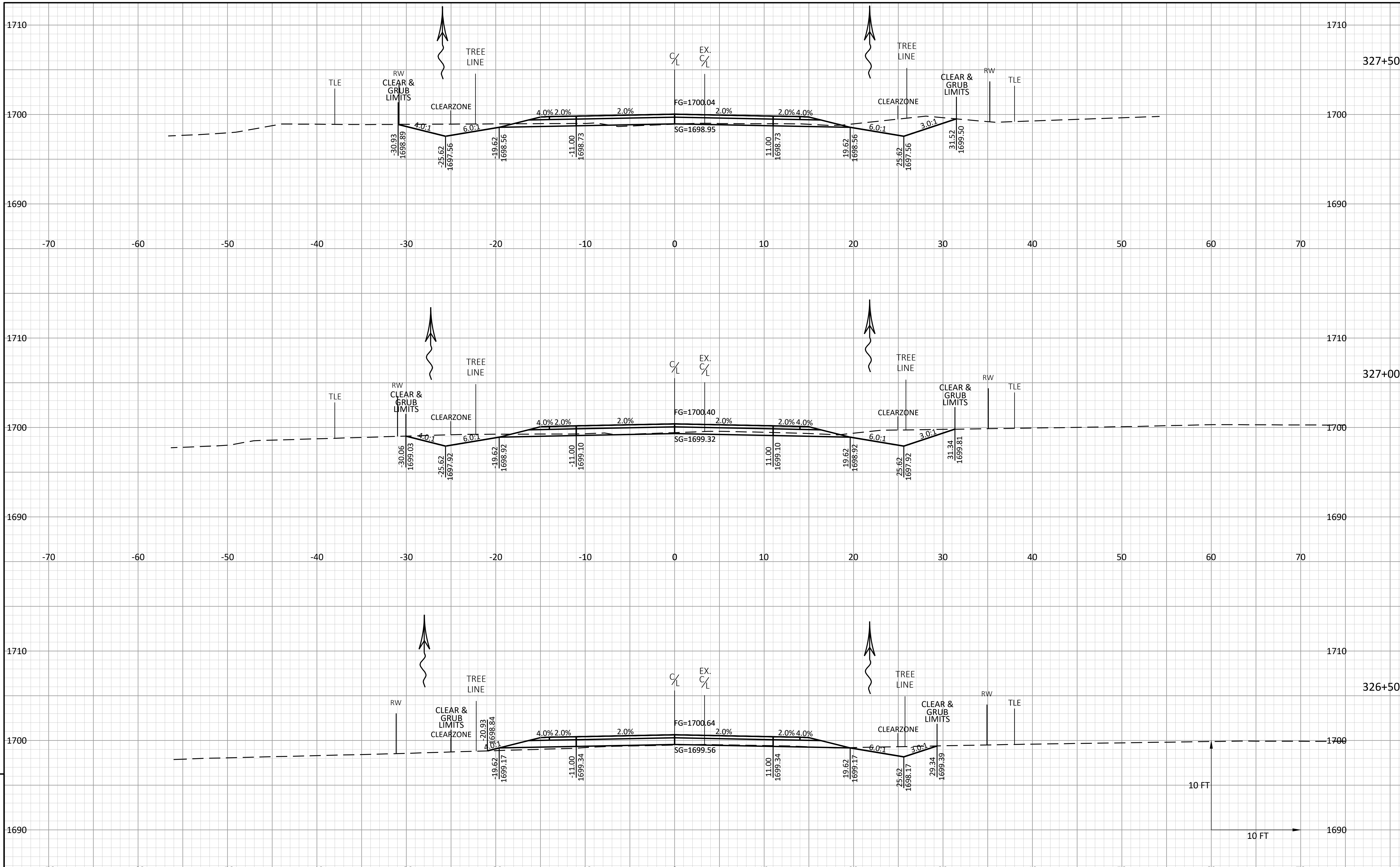
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 132	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:19:57 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.38 CROSS SECTIONS



9

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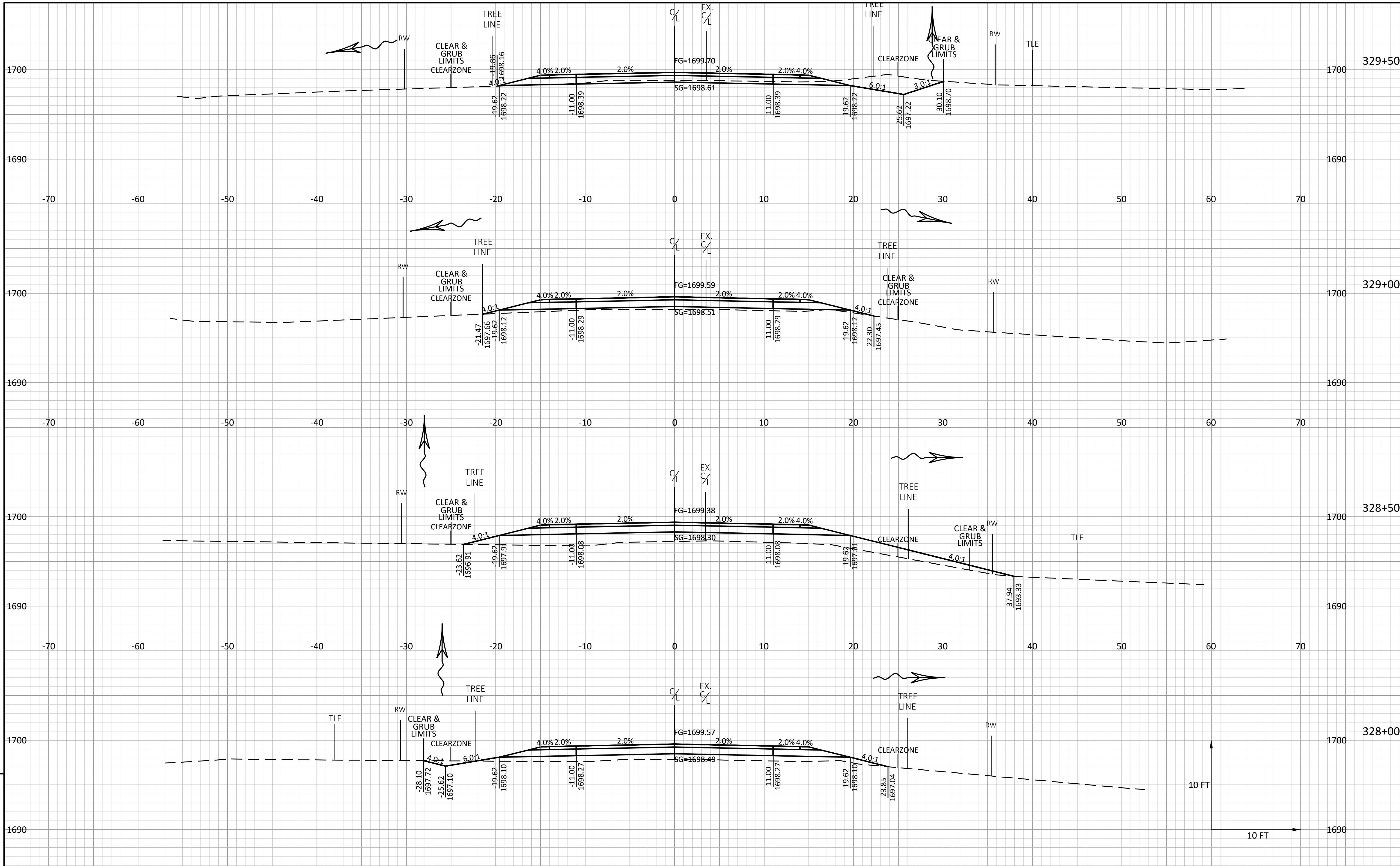
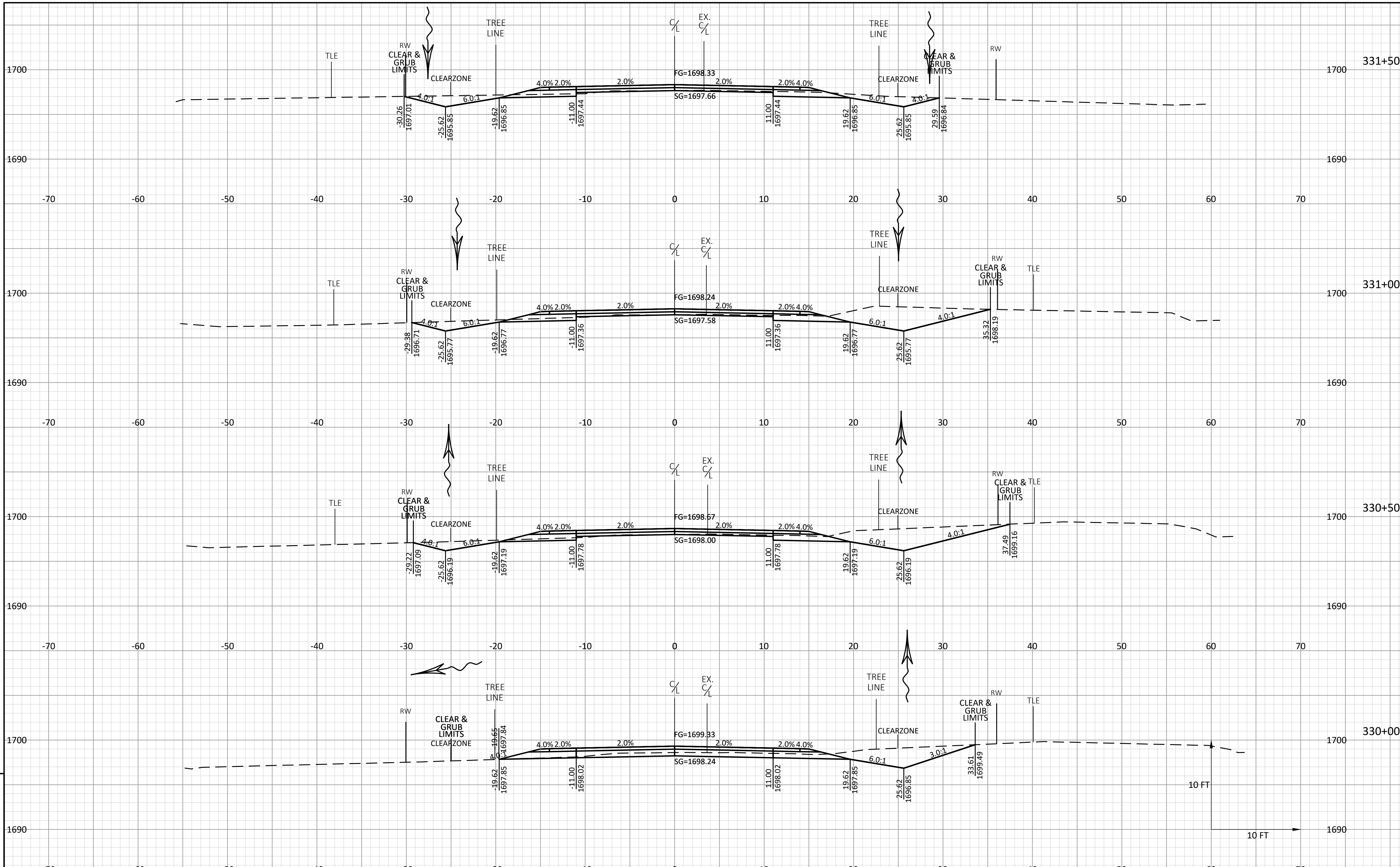
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 133	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:02 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.39 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 134	E

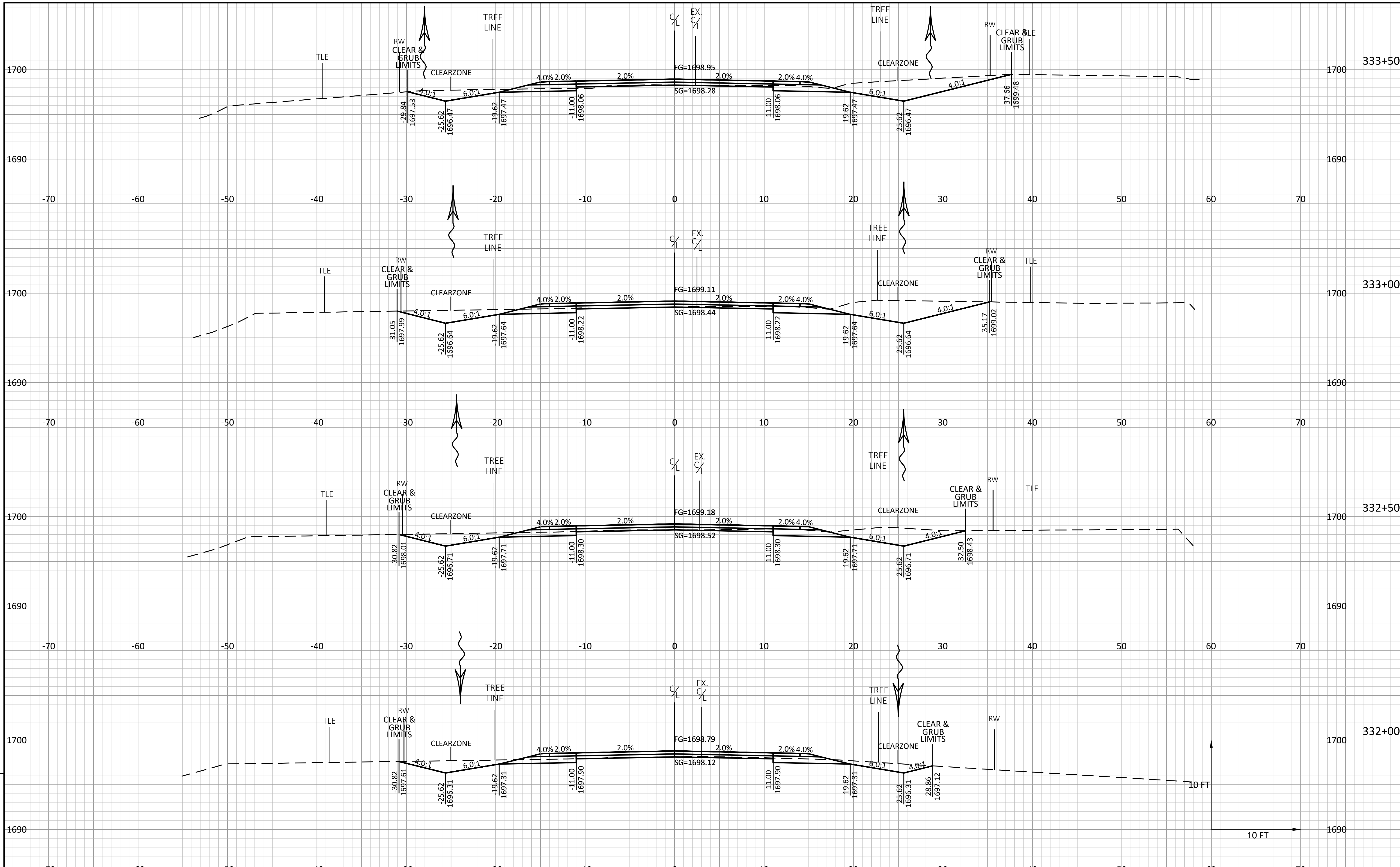
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:07 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.40 CROSS SECTIONS



9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 135	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:12 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.41 CROSS SECTIONS

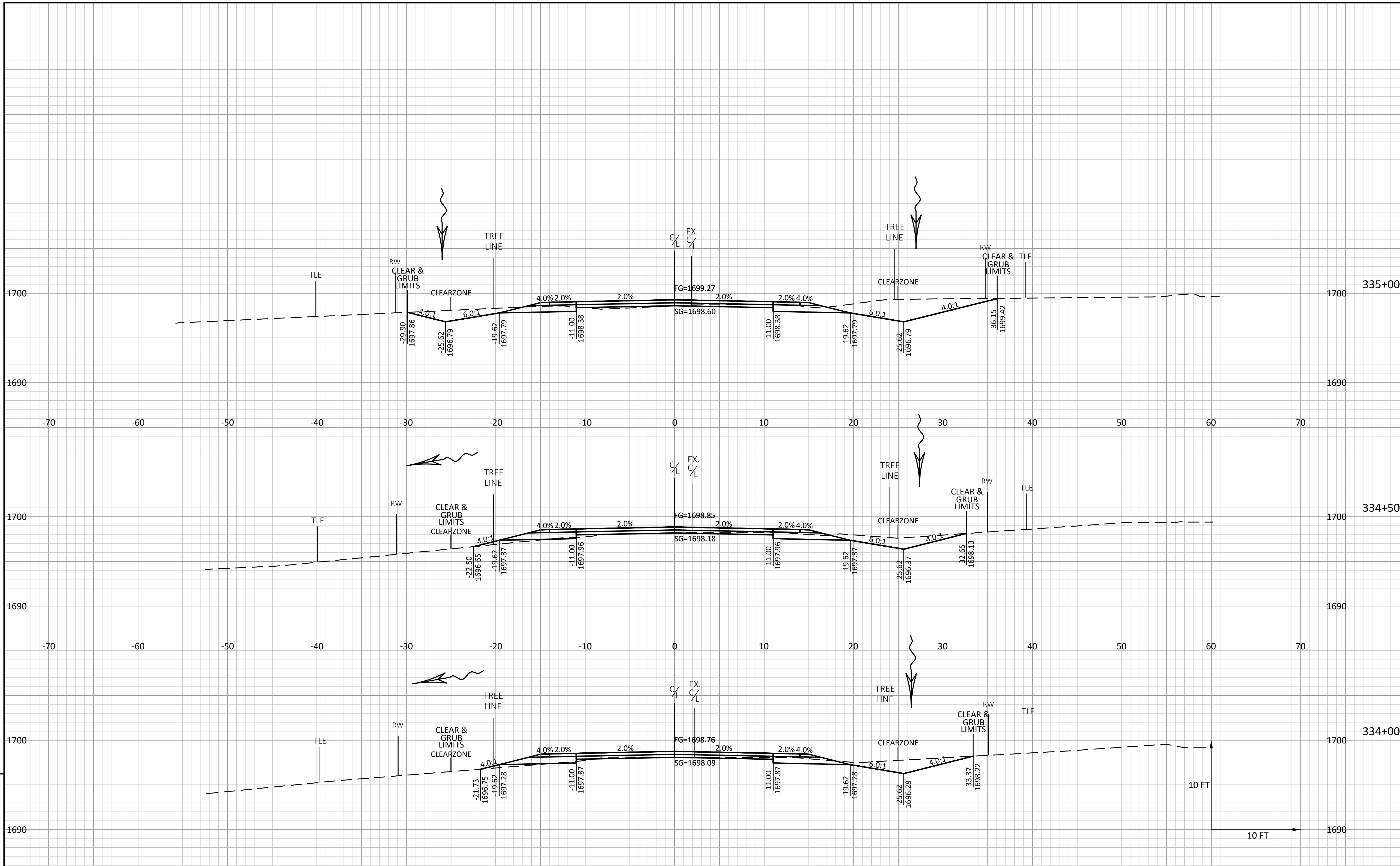


9

9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 136	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:17 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.42 CROSS SECTIONS



9

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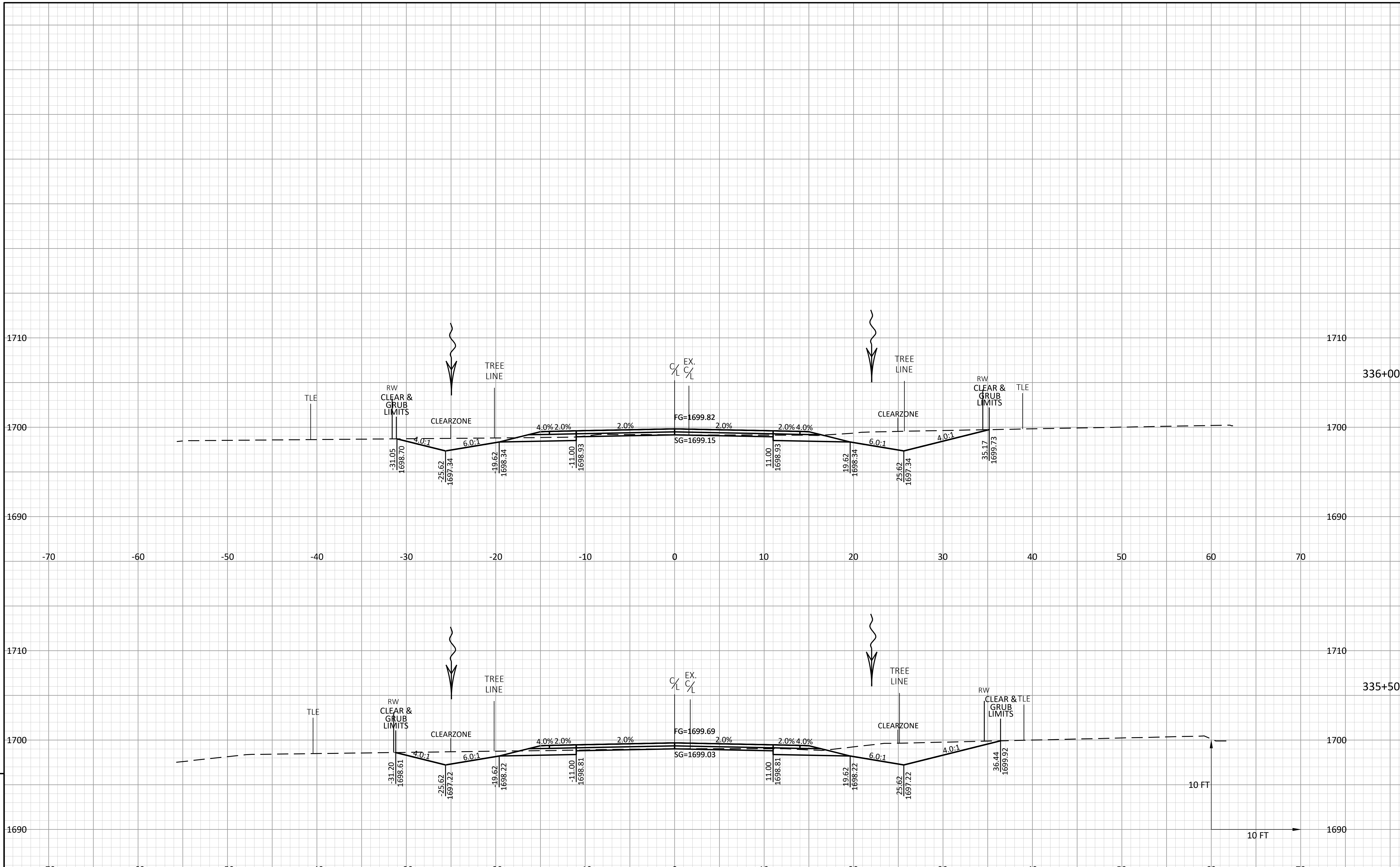
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 137	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:22 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.43 CROSS SECTIONS

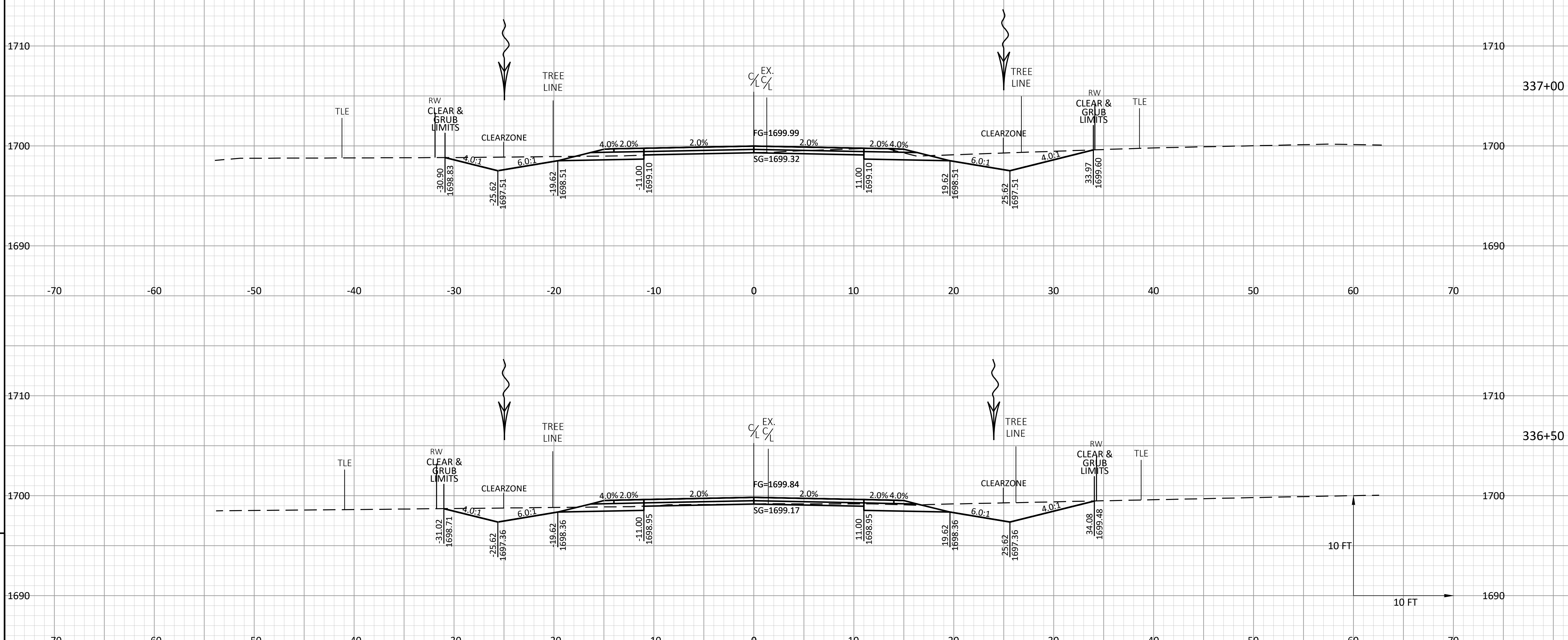


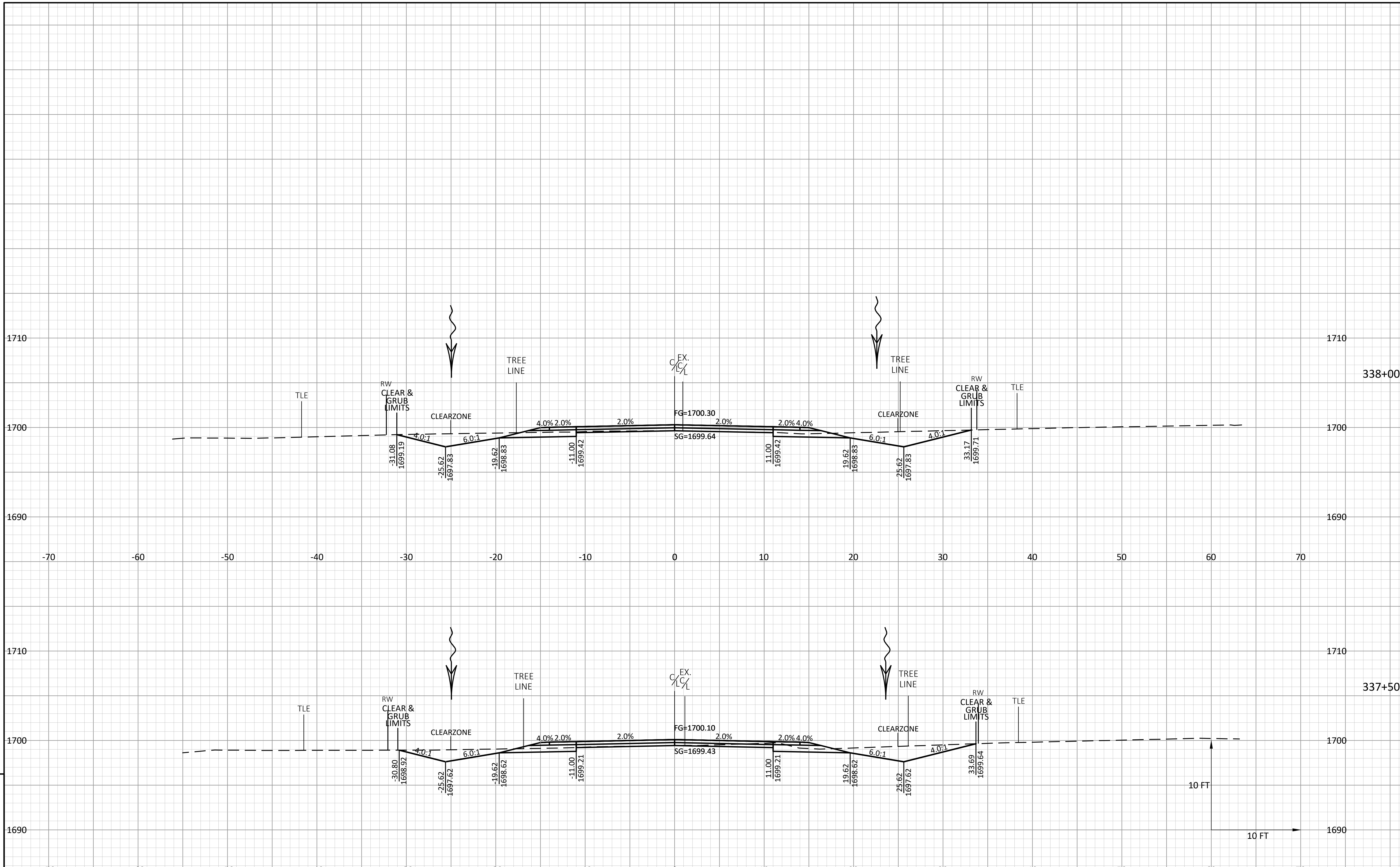
9

9

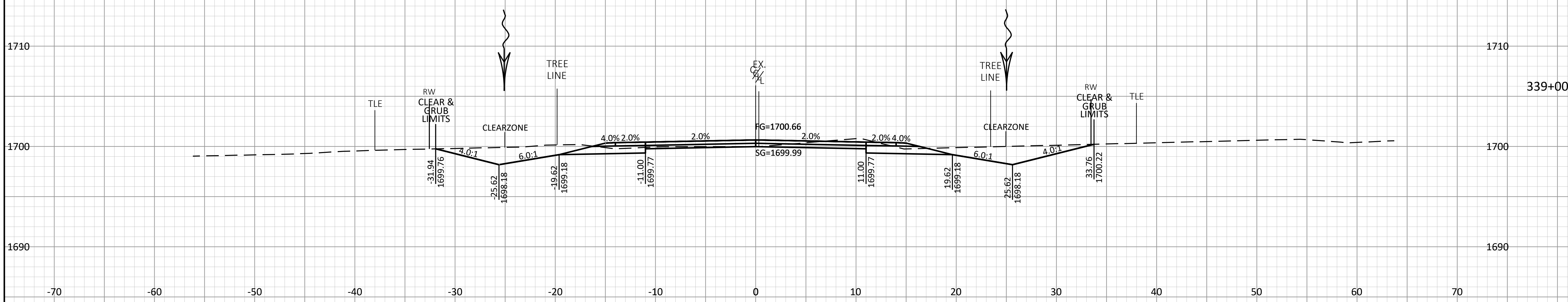
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 138	E

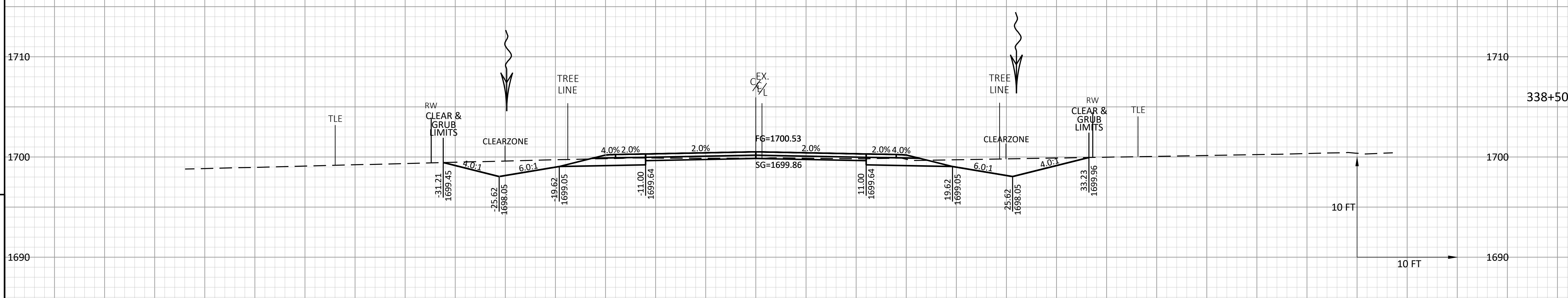
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:27 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.44 CROSS SECTIONS


337+00
336+50
TREE LINE
CLEAR & GRUB LIMITS
CLEARZONE
TLE
RW
FG=1699.99
SG=1699.32
FG=1699.84
SG=1699.17
10 FT



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 140 E





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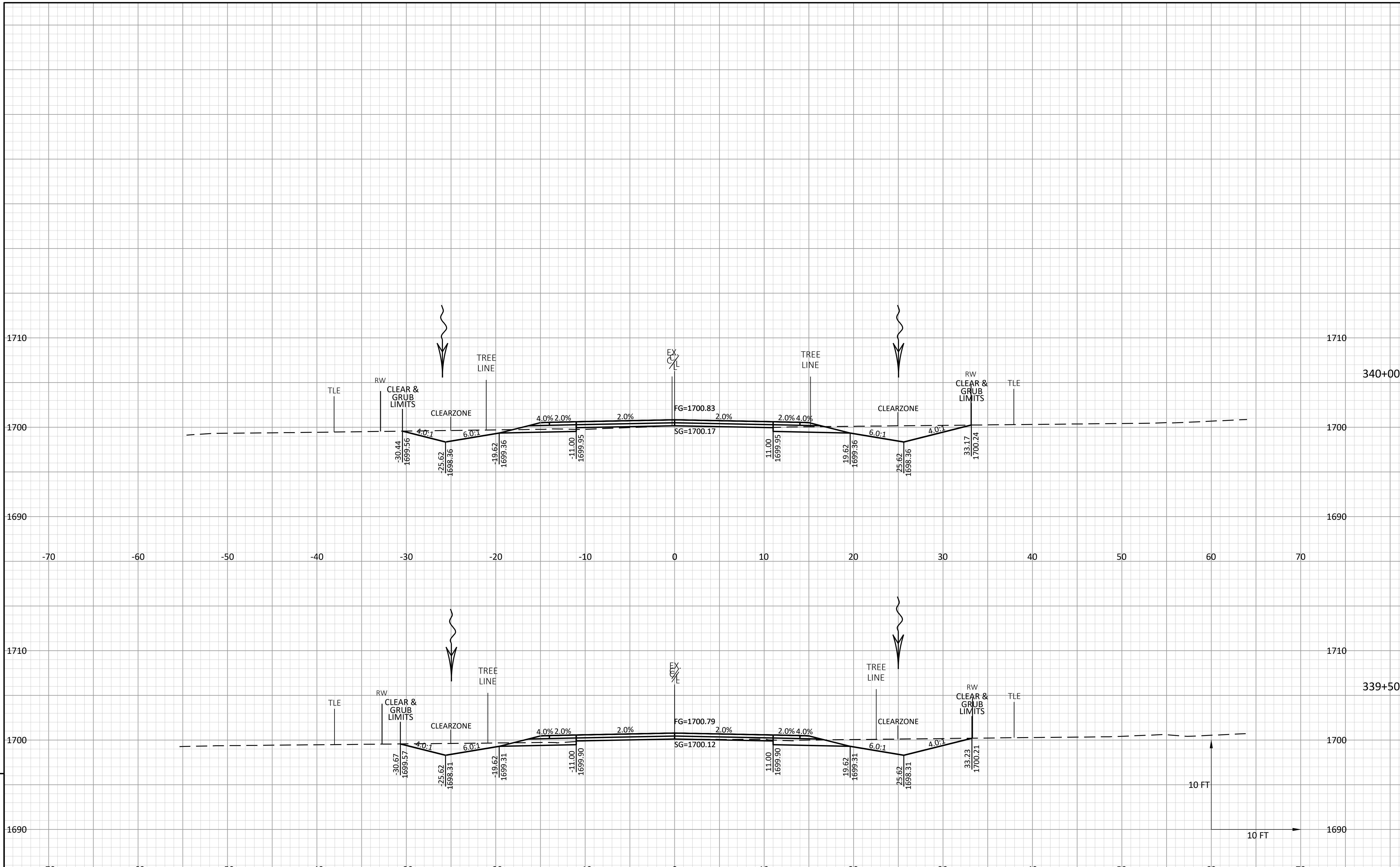
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 141	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:42 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.47 CROSS SECTIONS



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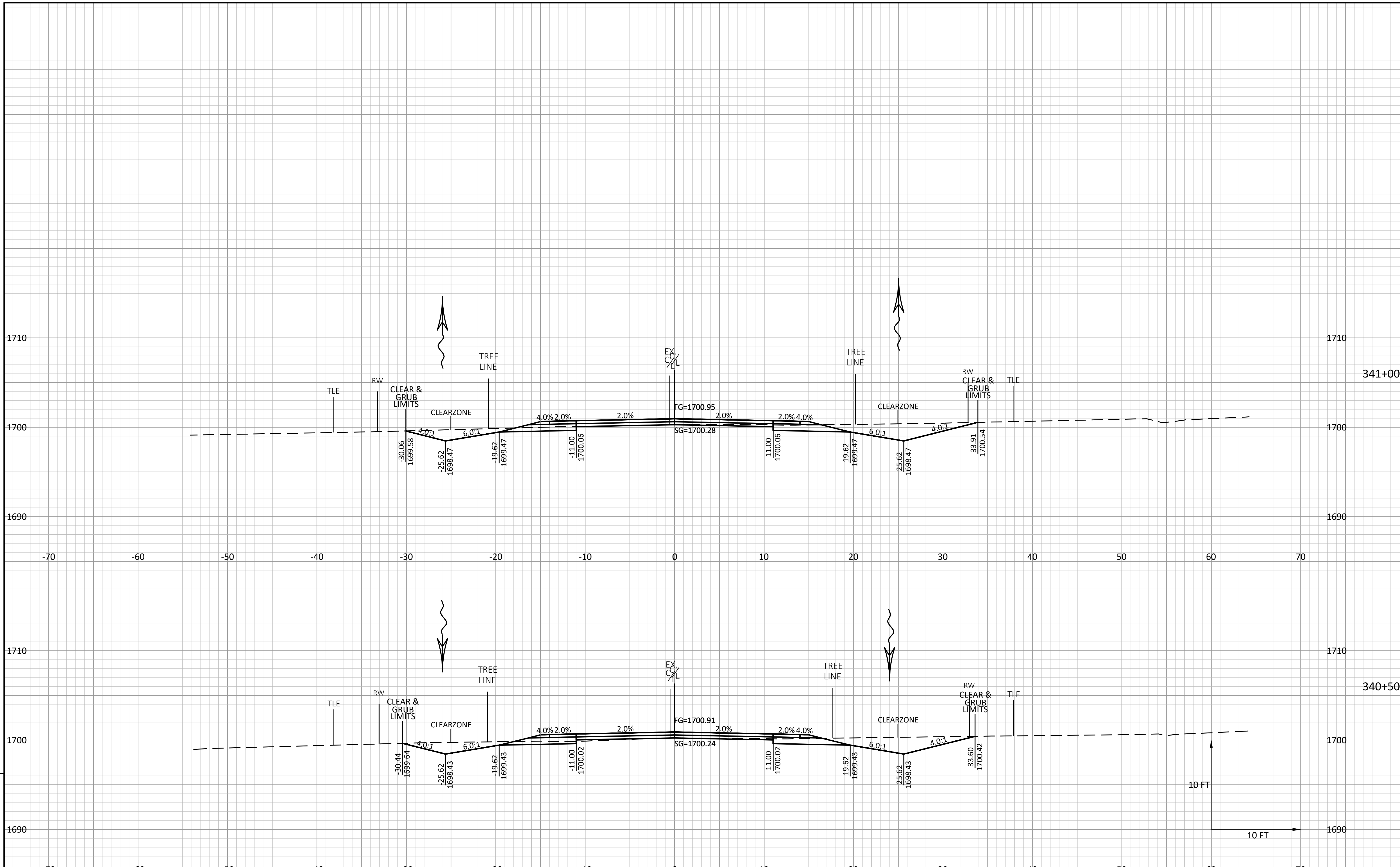
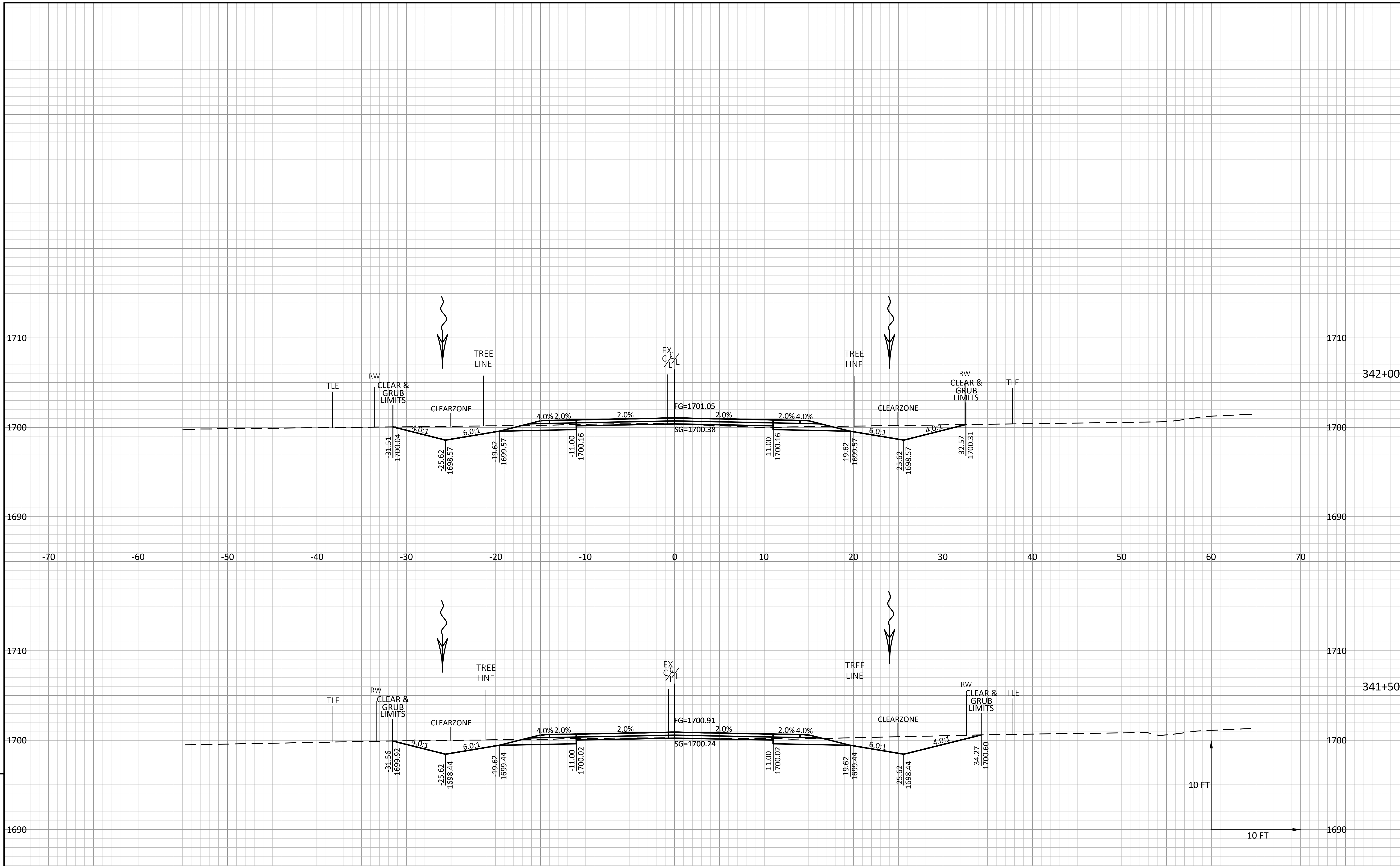
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 142	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:47 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.48 CROSS SECTIONS



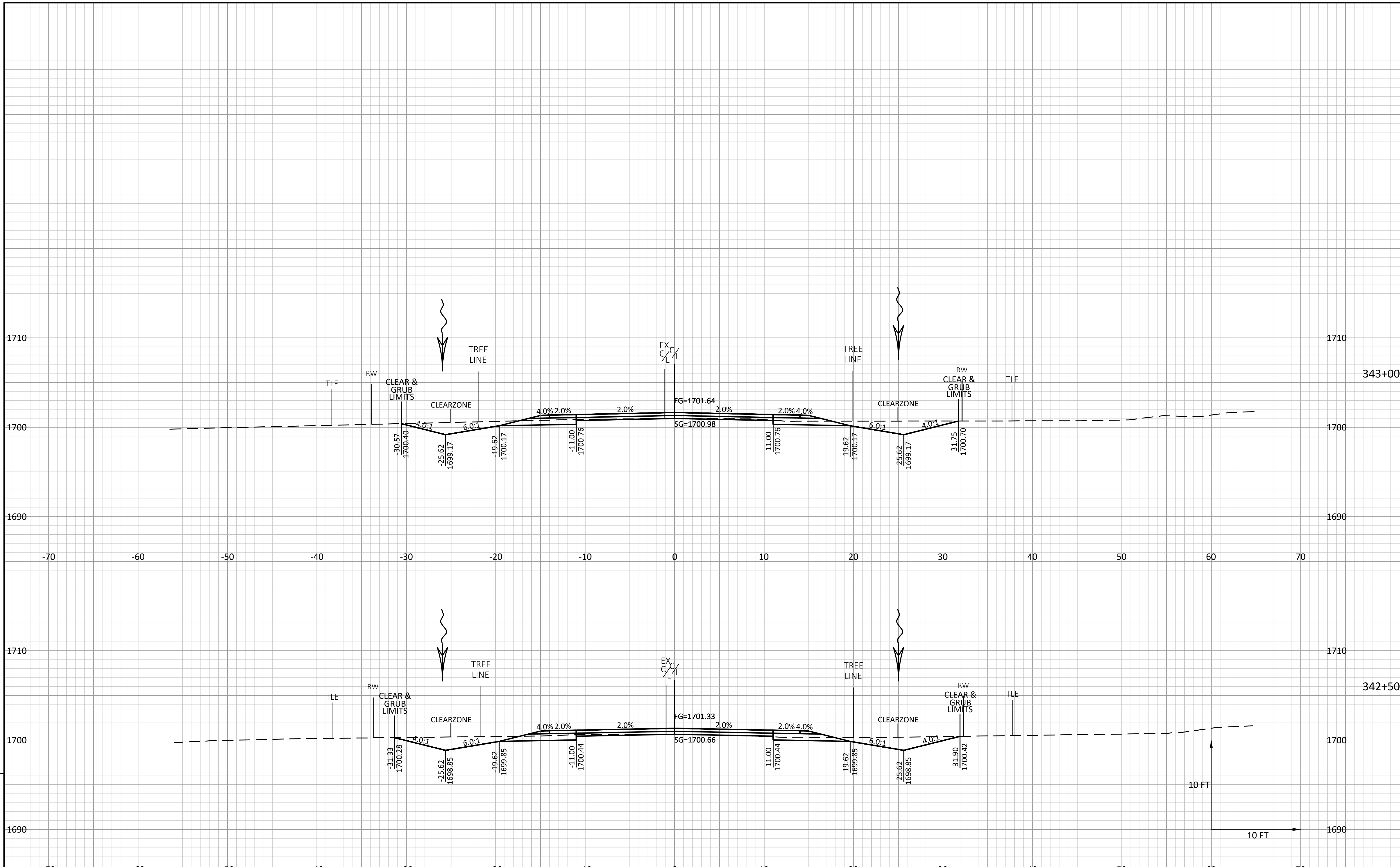
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 143	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:52 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.49 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 144	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:20:57 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.50 CROSS SECTIONS



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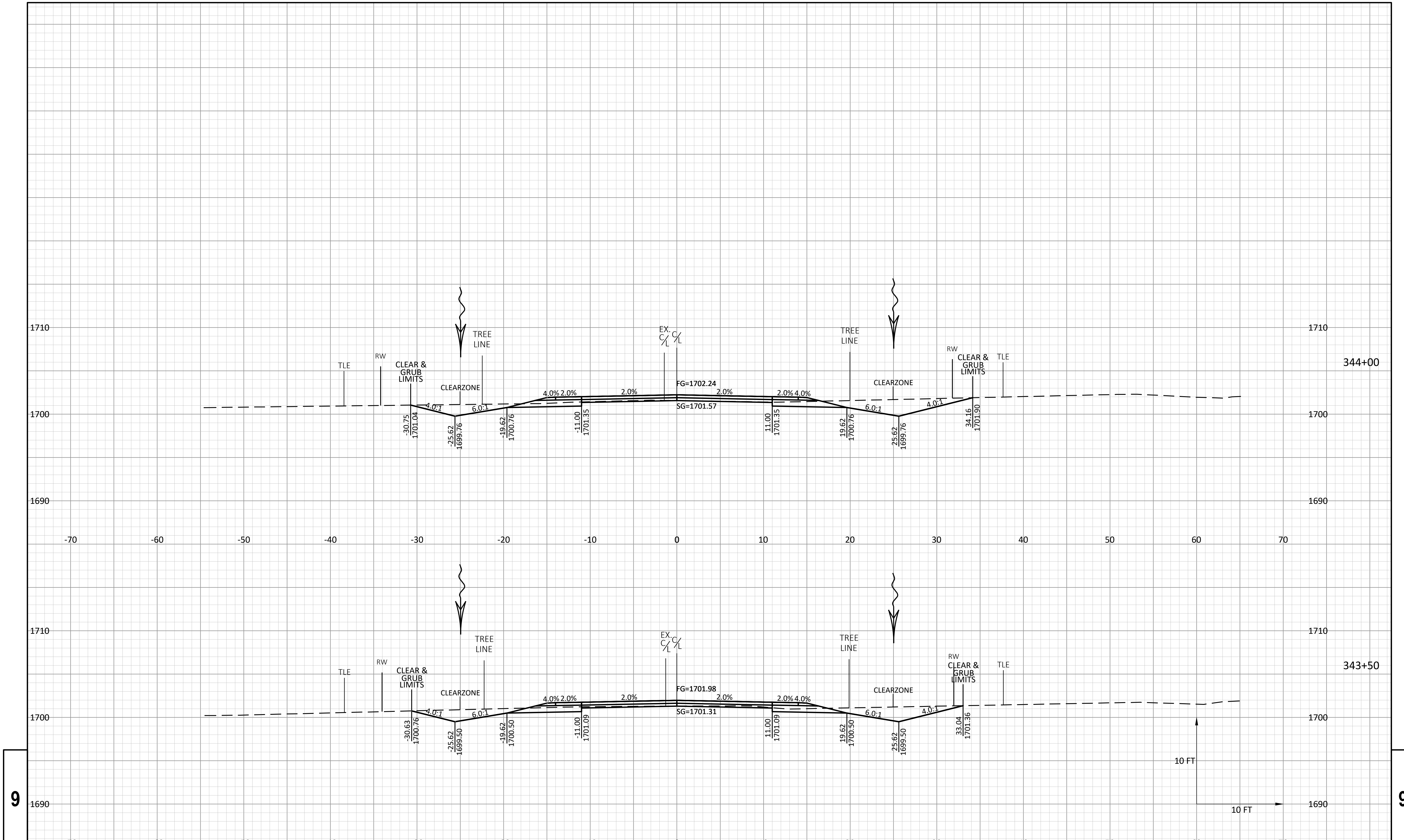
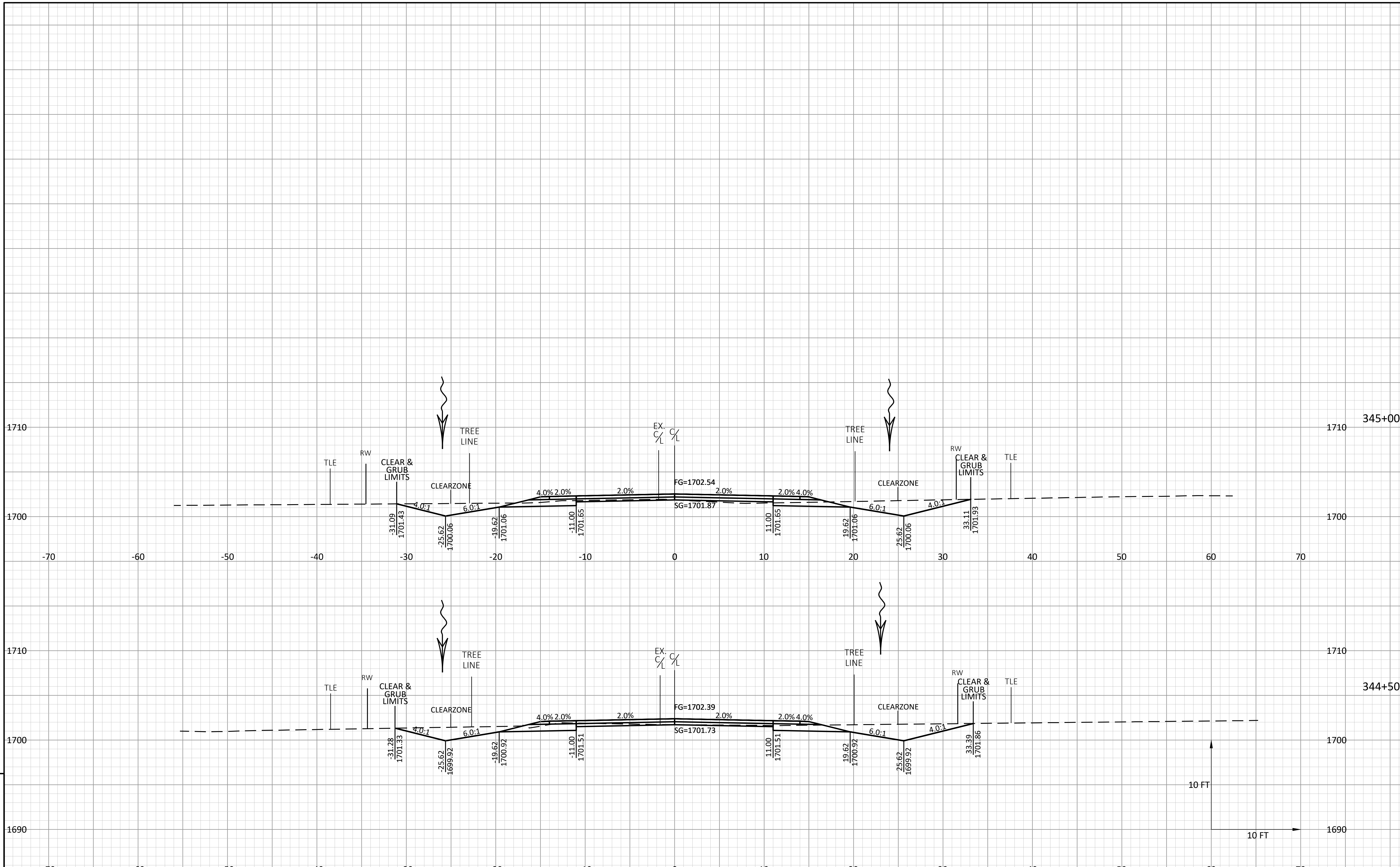
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:02 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.51 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 146	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:07 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.52 CROSS SECTIONS



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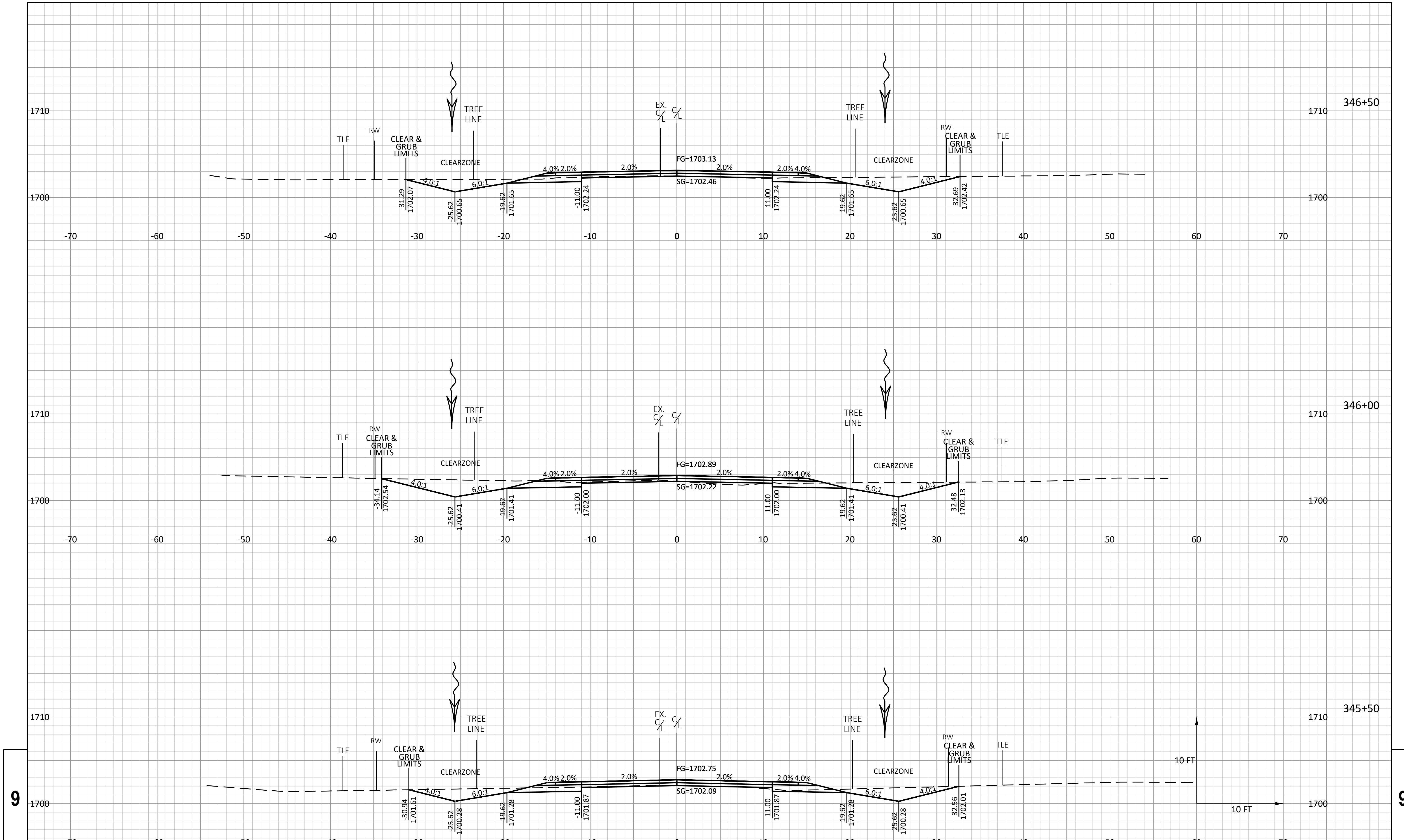
9

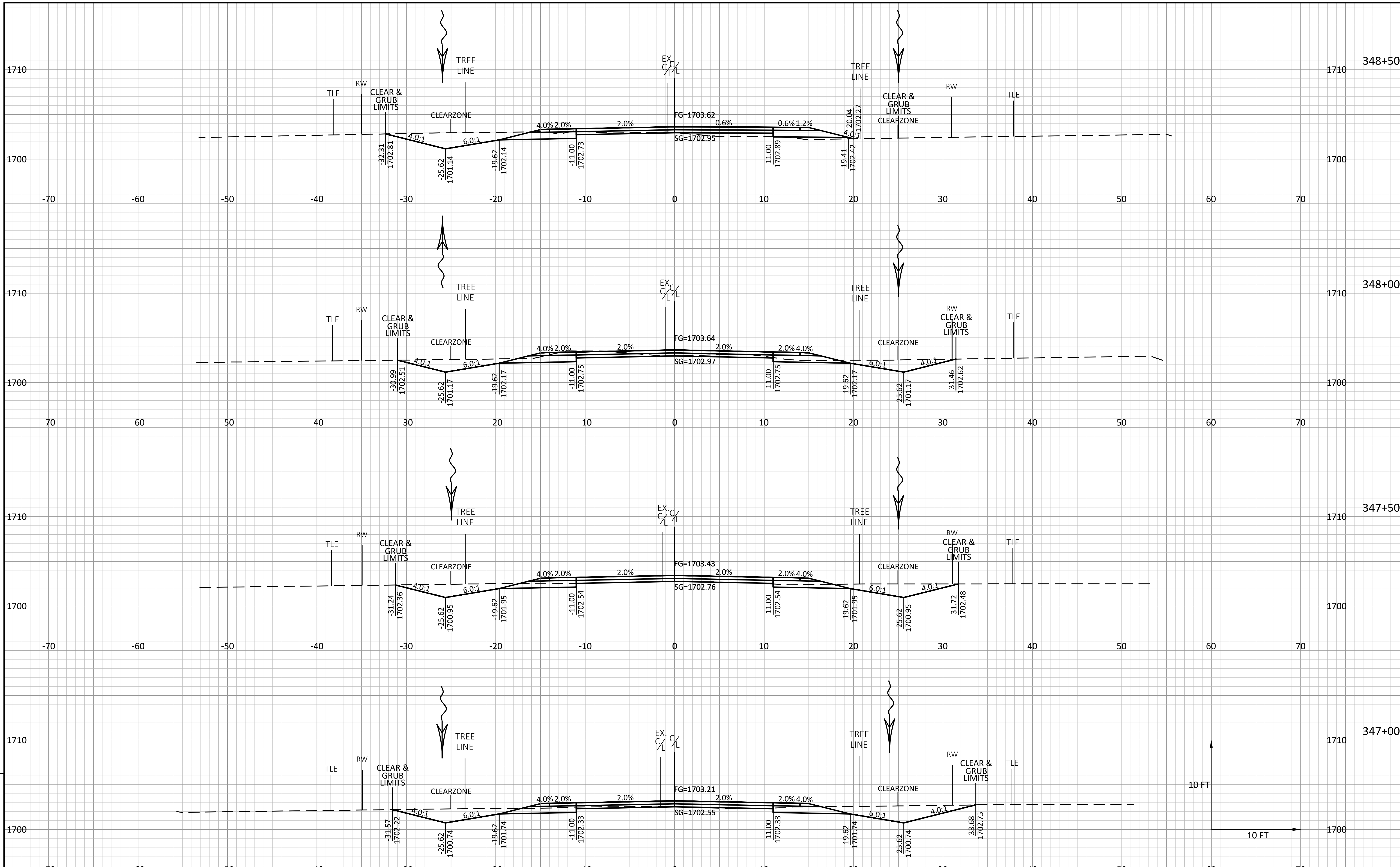
PROJECT NO: 9513-01-70 | HWY: CTH S | COUNTY: VILAS | CROSS SECTIONS: CTH S | SHEET 147 | E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:12 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.53 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 148	E

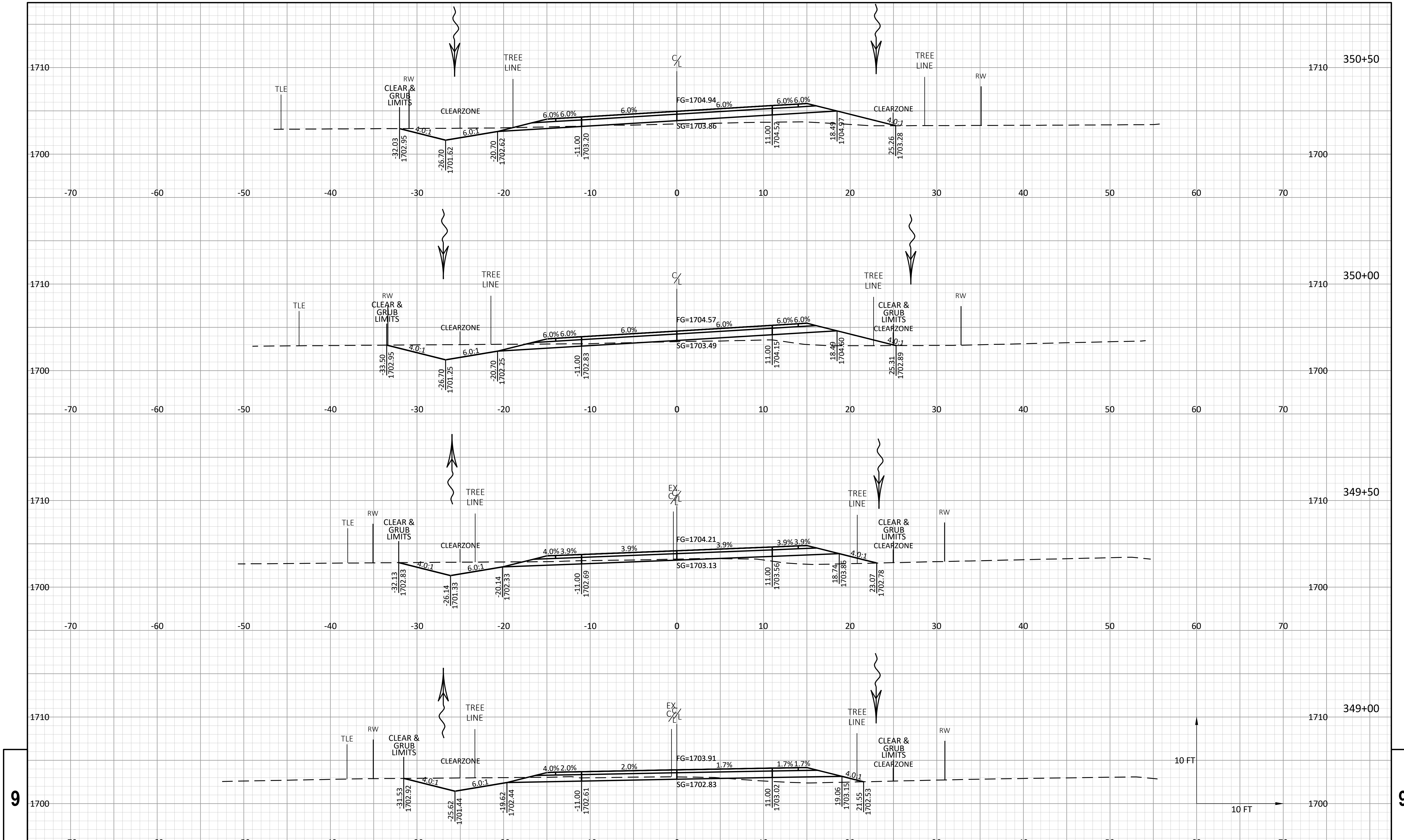
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:17 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.54 CROSS SECTIONS



9

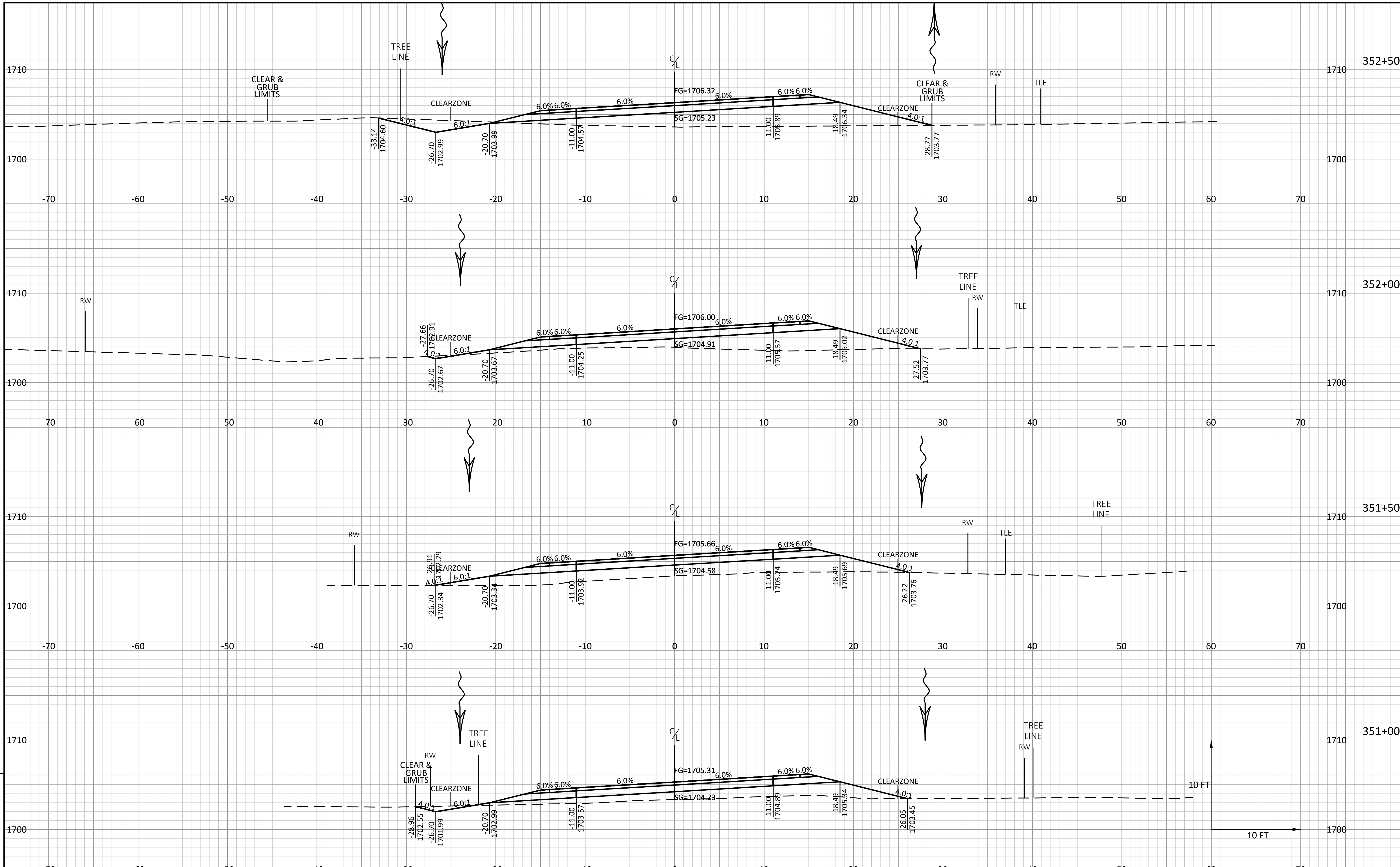
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 149	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:23 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.55 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 150	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:27 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.56 CROSS SECTIONS



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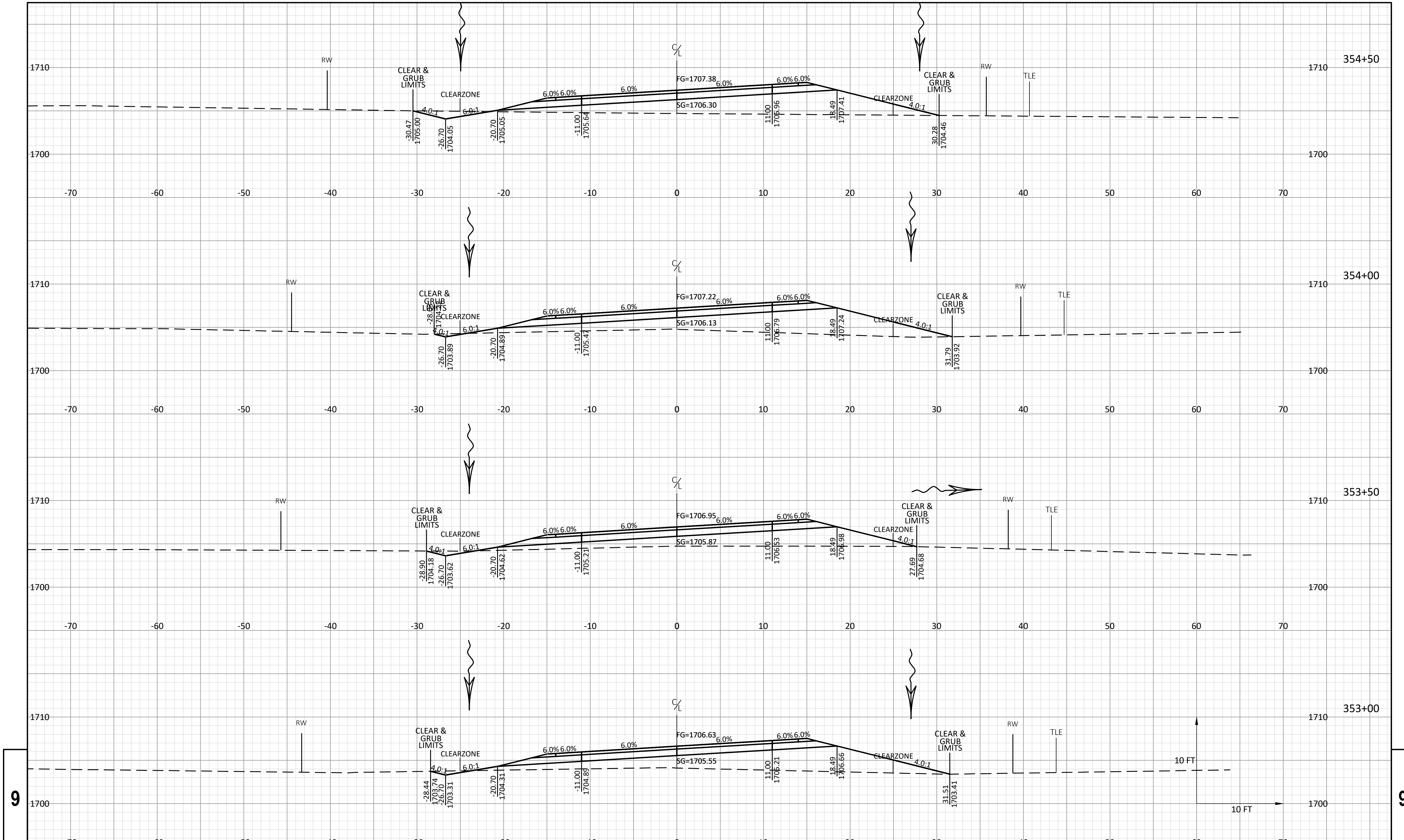
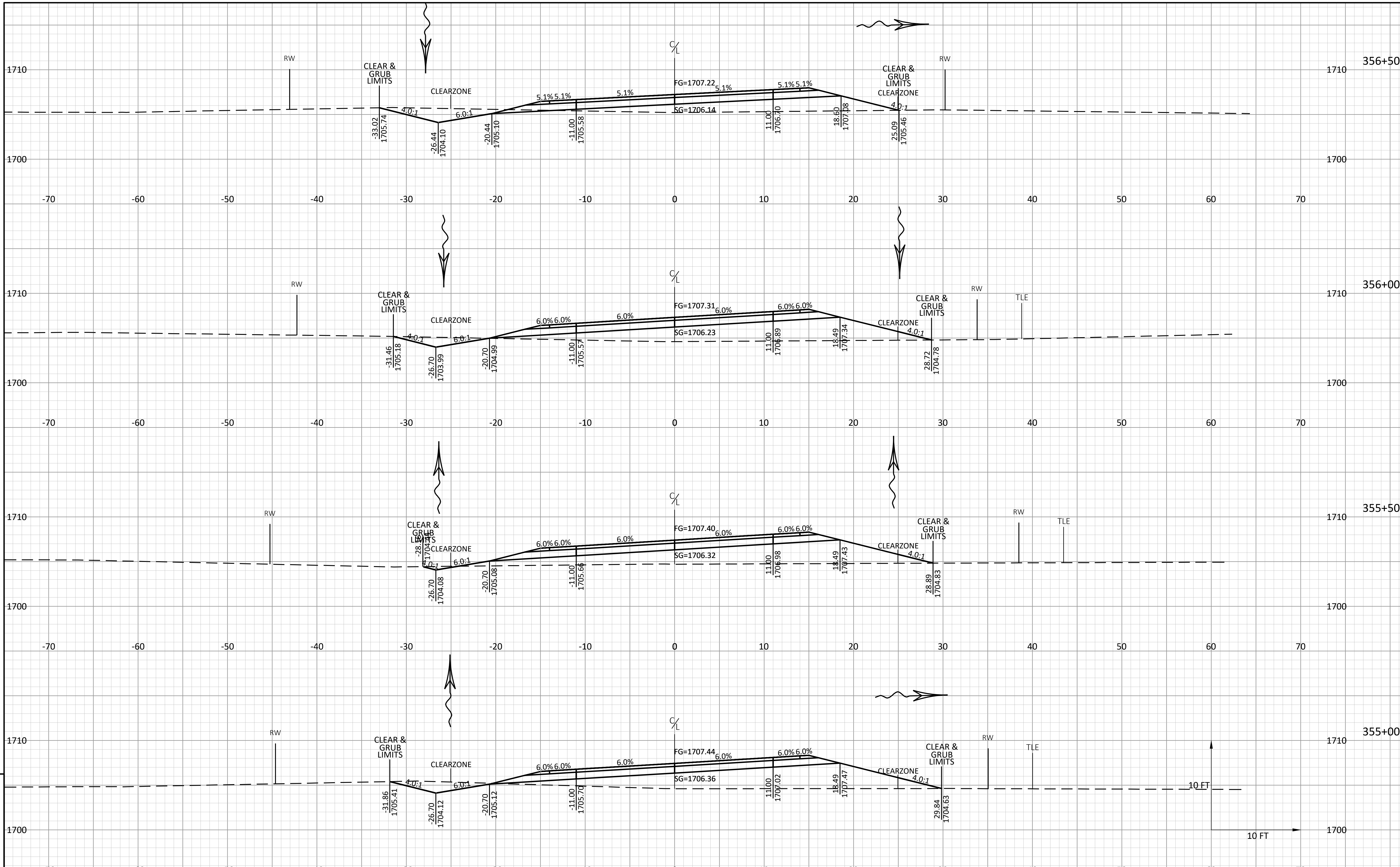
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:32 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.57 CROSS SECTIONS



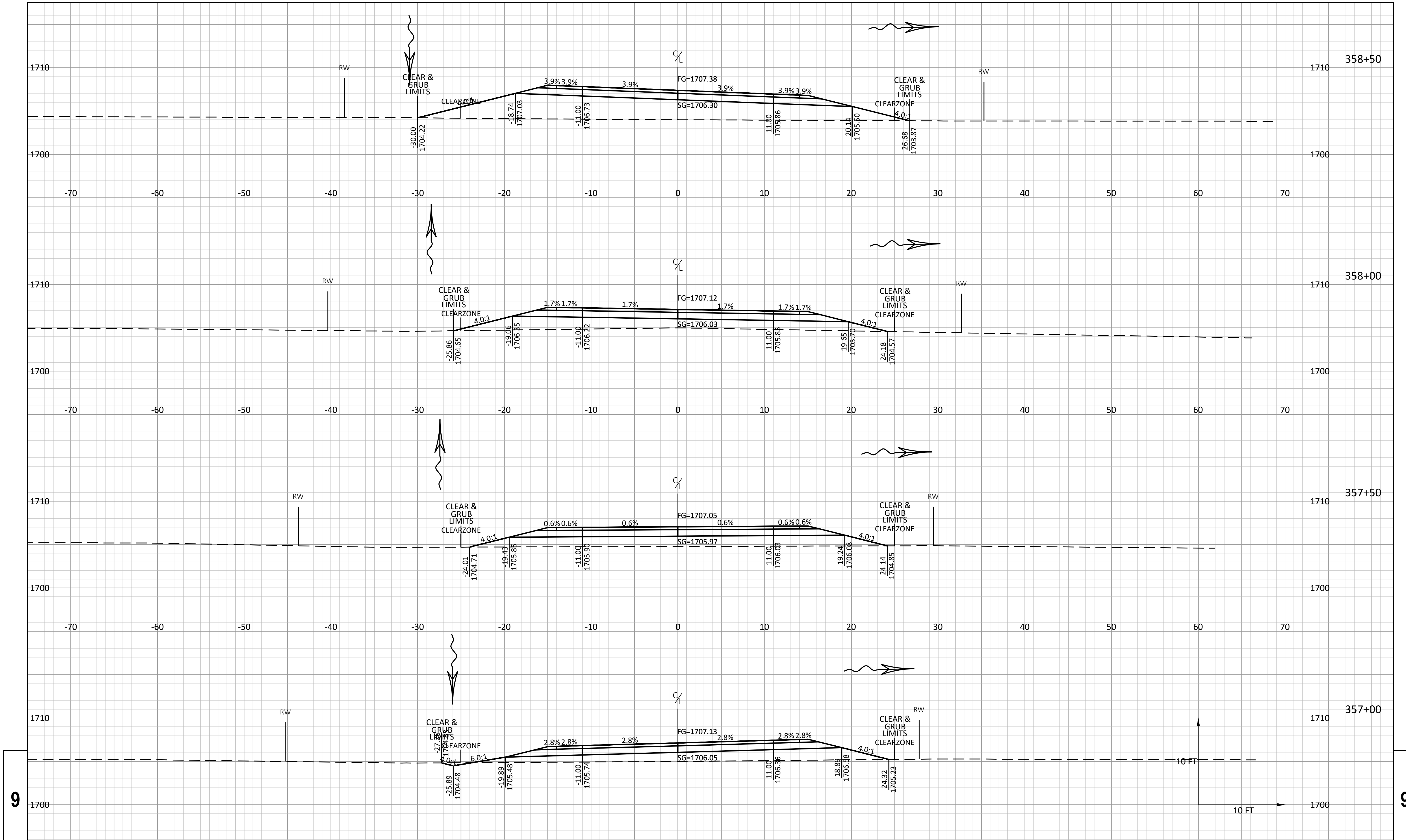
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 152	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:37 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.58 CROSS SECTIONS



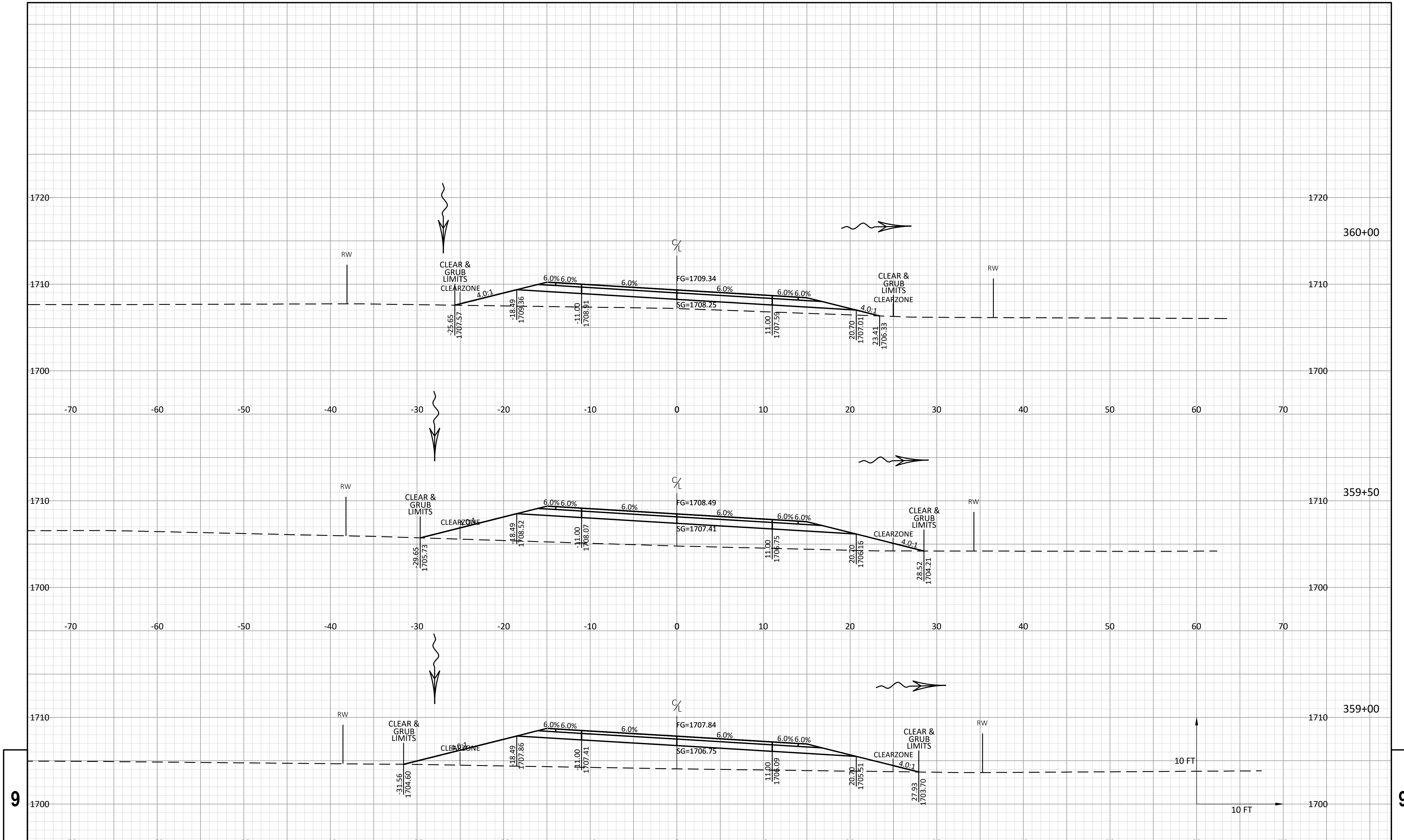
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 153	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:43 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.59 CROSS SECTIONS



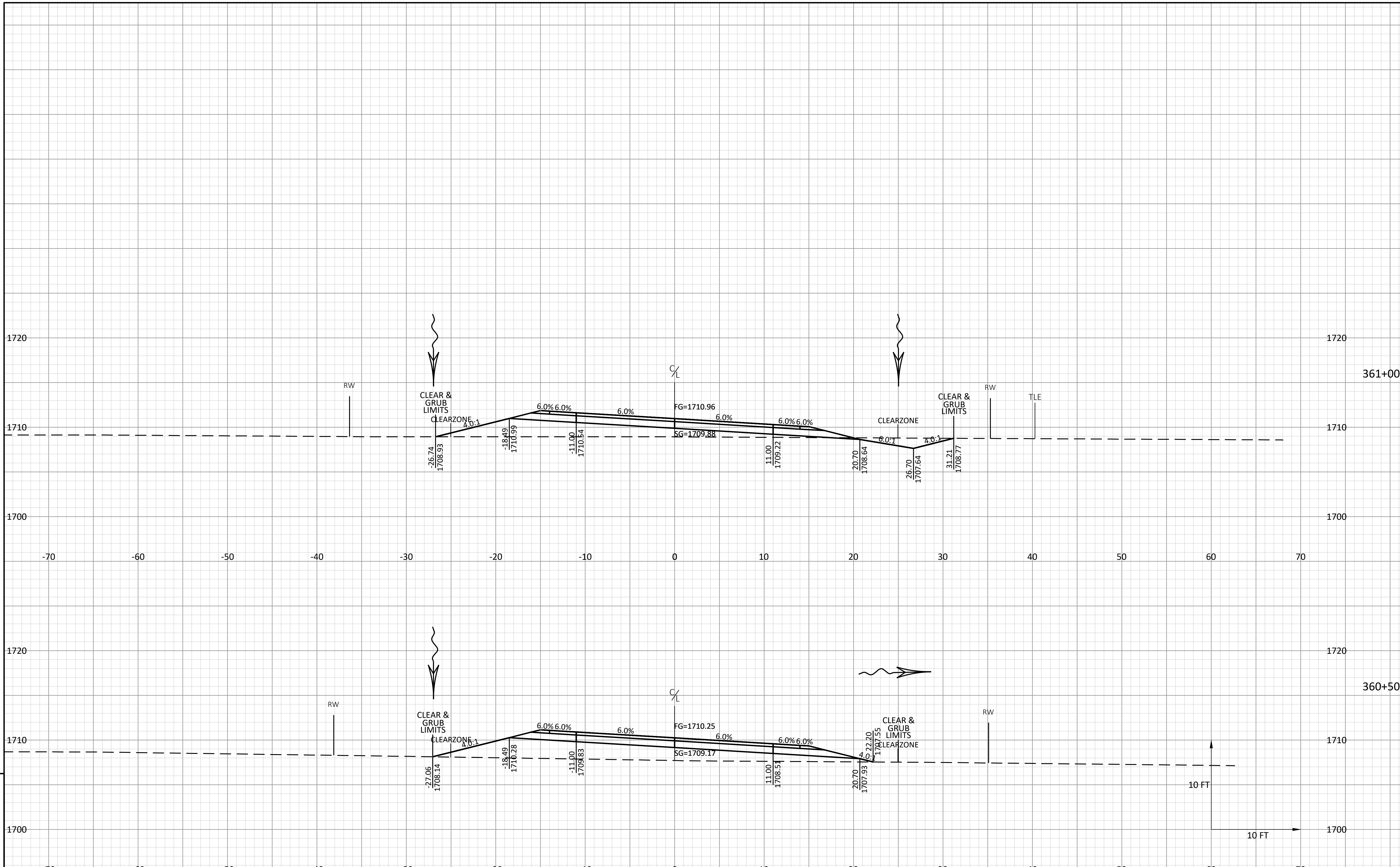
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 154	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:48 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.60 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 155 E

9



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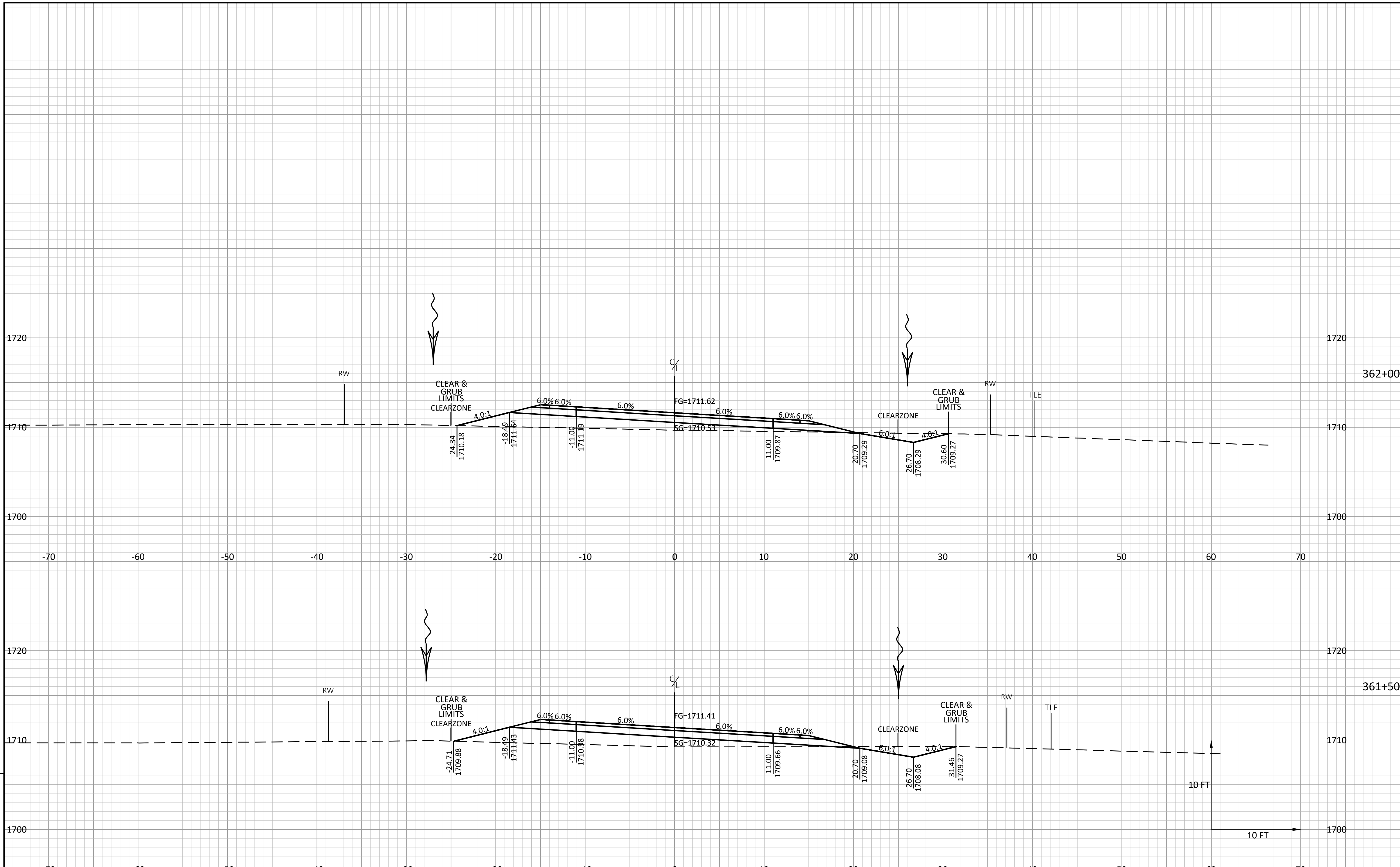
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:21:58 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.62 CROSS SECTIONS

9



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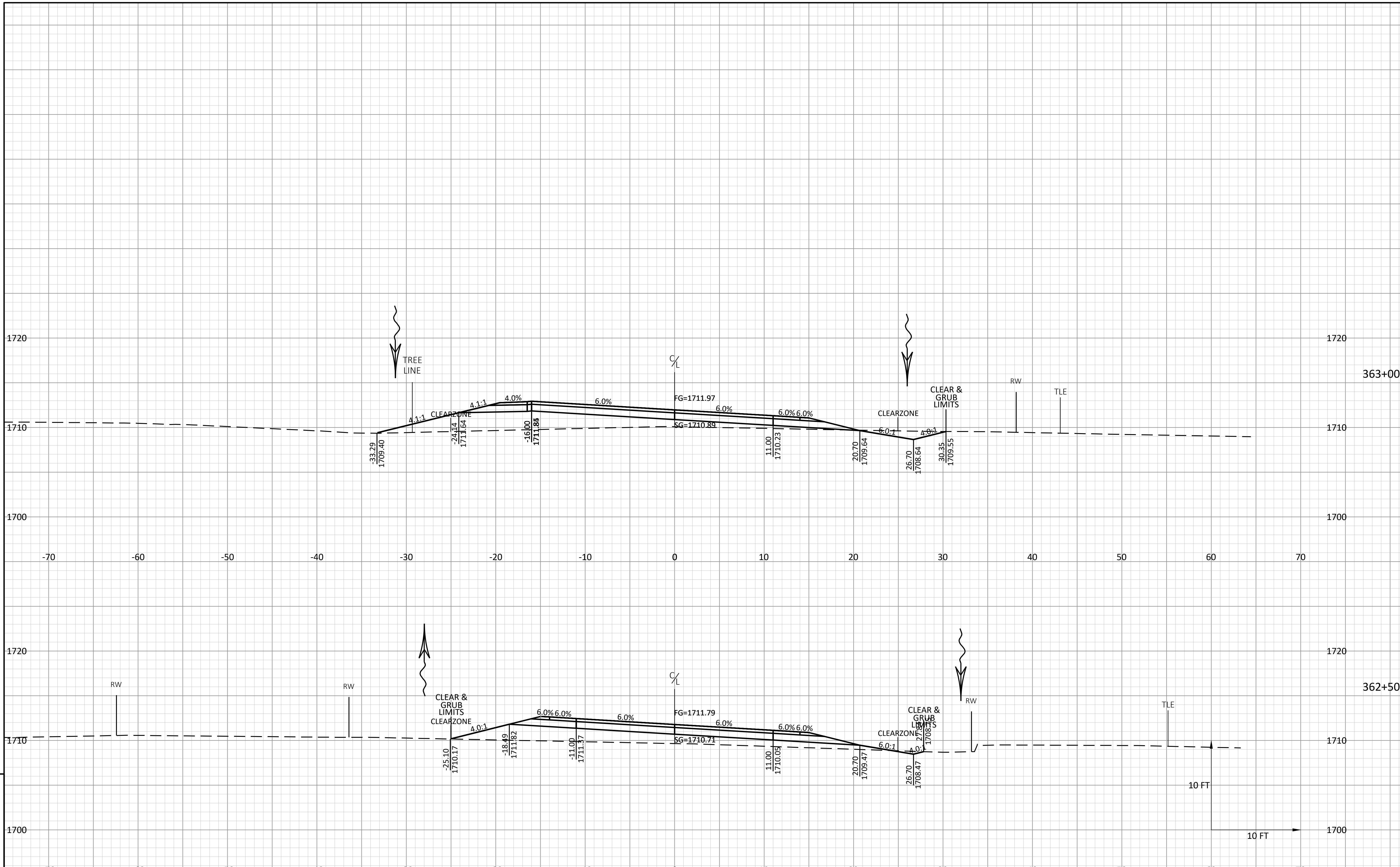
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 157	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:22:03 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.63 CROSS SECTIONS



363+00
TREE LINE
CLEARZONE
4.1:1
4.0%
6.0%
FG=1711.97
SG=1710.89
CLEAR & GRUB LIMITS
RW
TLE
6.0:1
4.0:1
-33.29 1709.40
-24.14 1711.64
-16.00 1711.85
11.00 1710.23
20.70 1709.64
26.70 1708.64
30.35 1709.55
362+50
RW
CLEAR & GRUB LIMITS
CLEARZONE
FG=1711.79
SG=1710.71
4.0:1
6.0%
TLE
-25.10 1710.17
-18.49 1711.82
-11.00 1711.37
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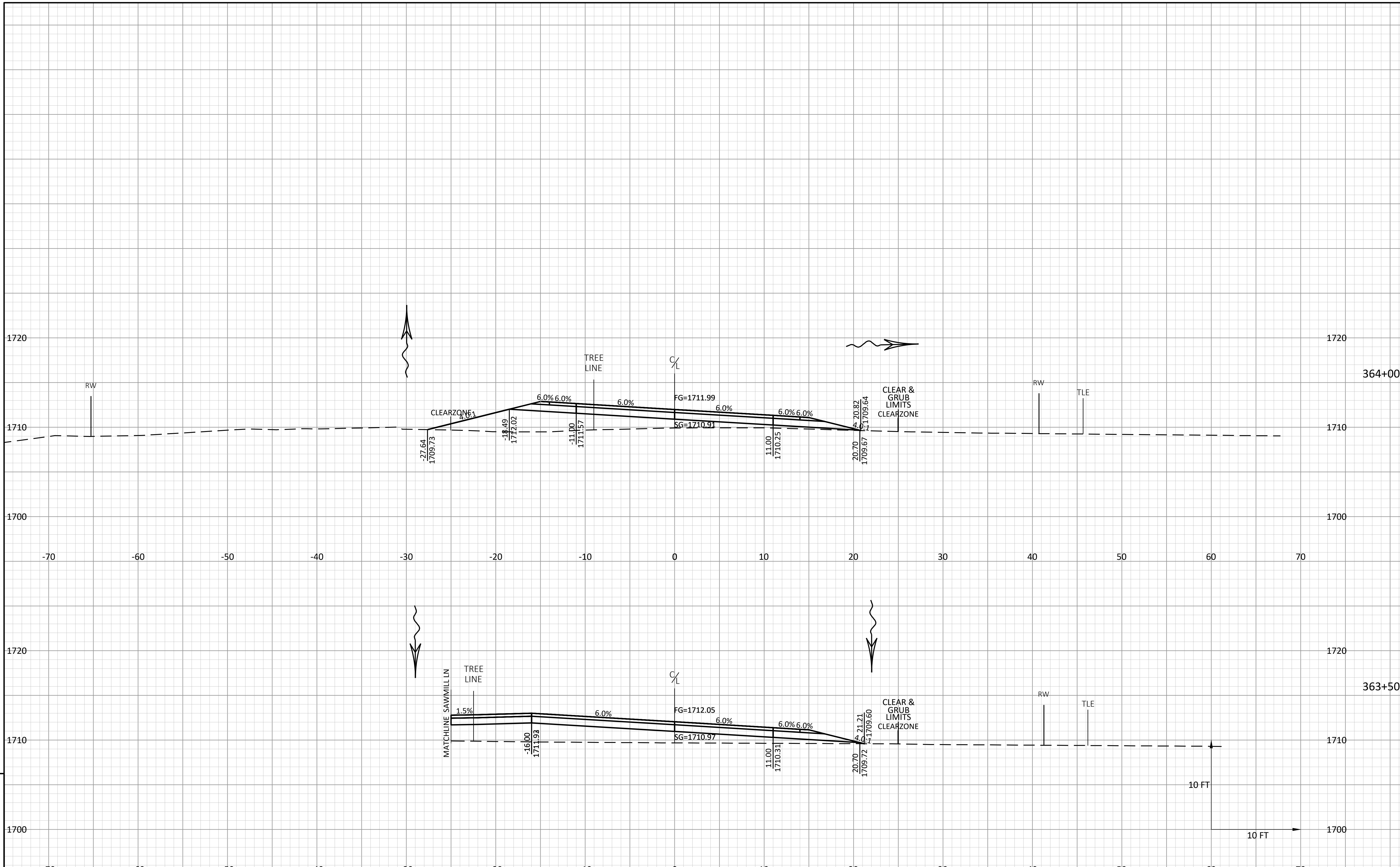
26.70 1708.47
10 FT



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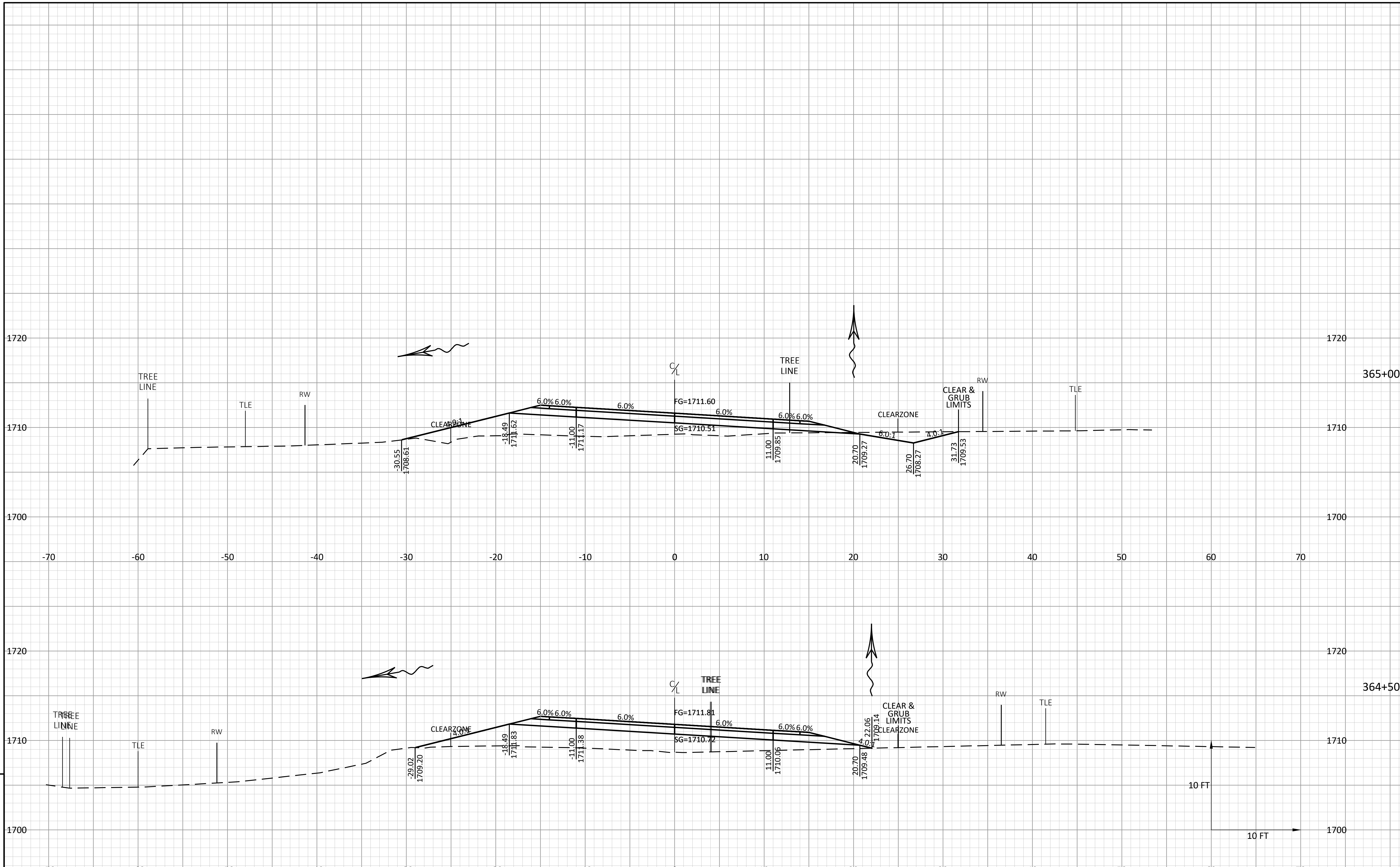
9

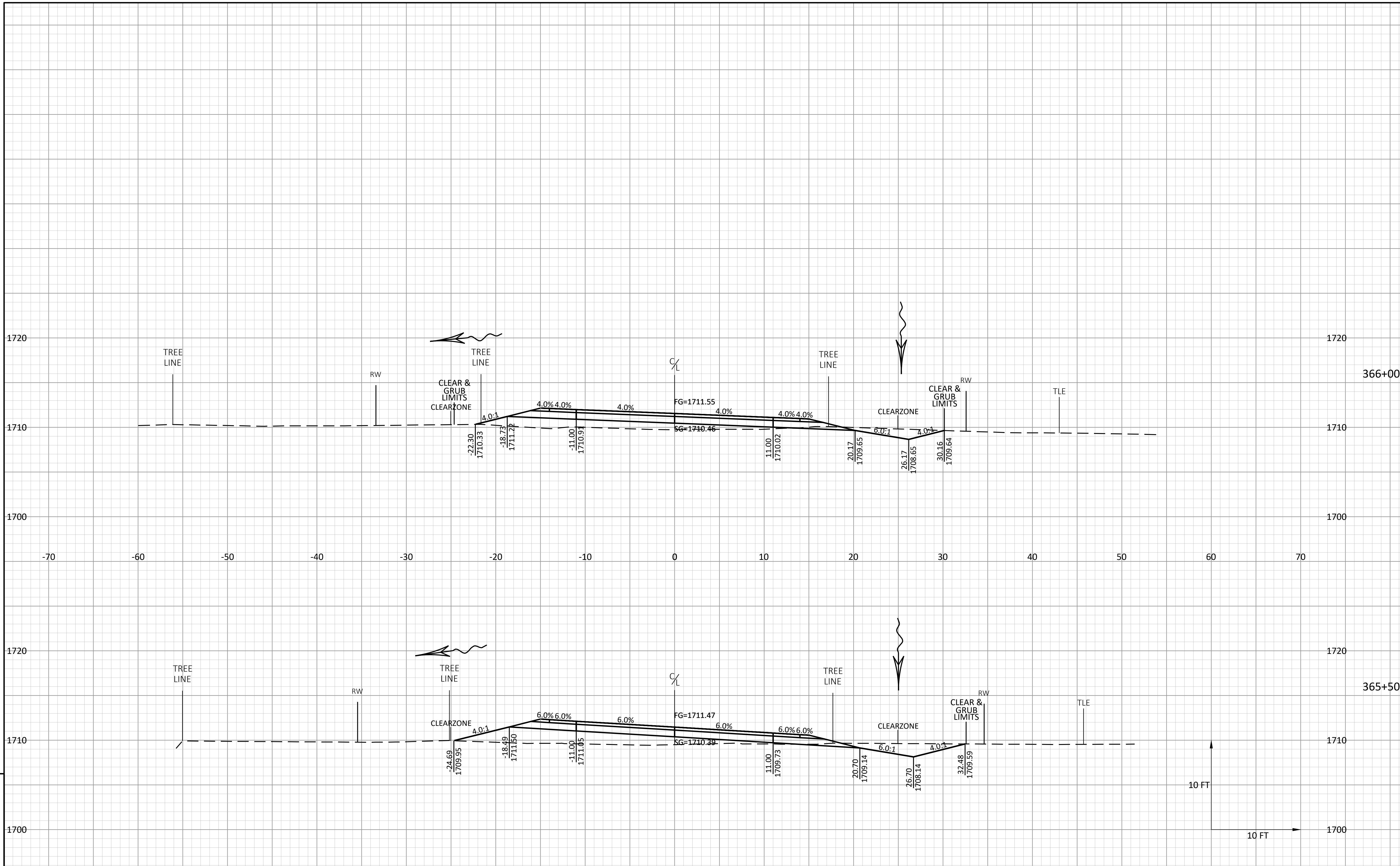
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 159	E



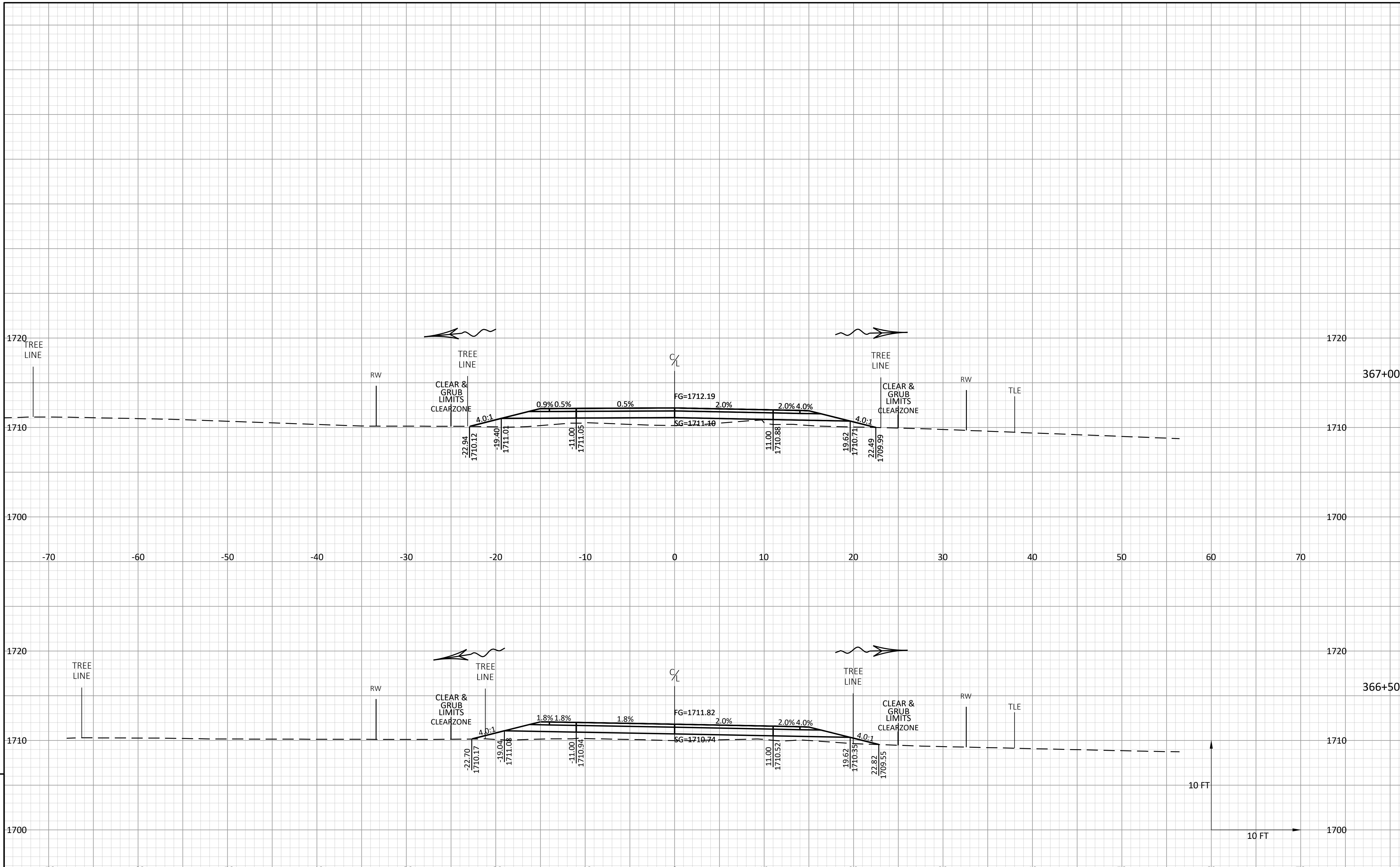
9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:22:18 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.66 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 161	E



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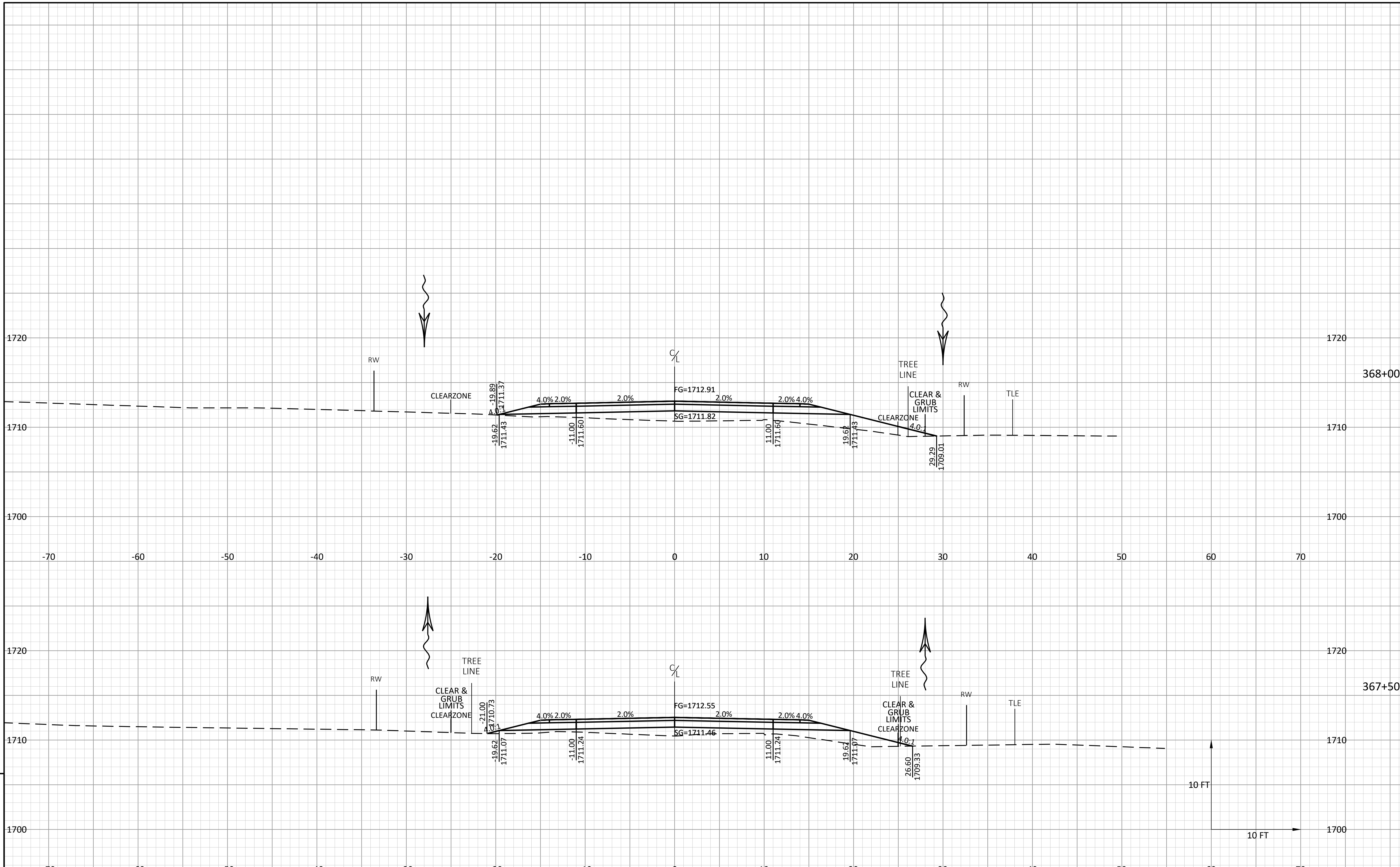
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 162	E

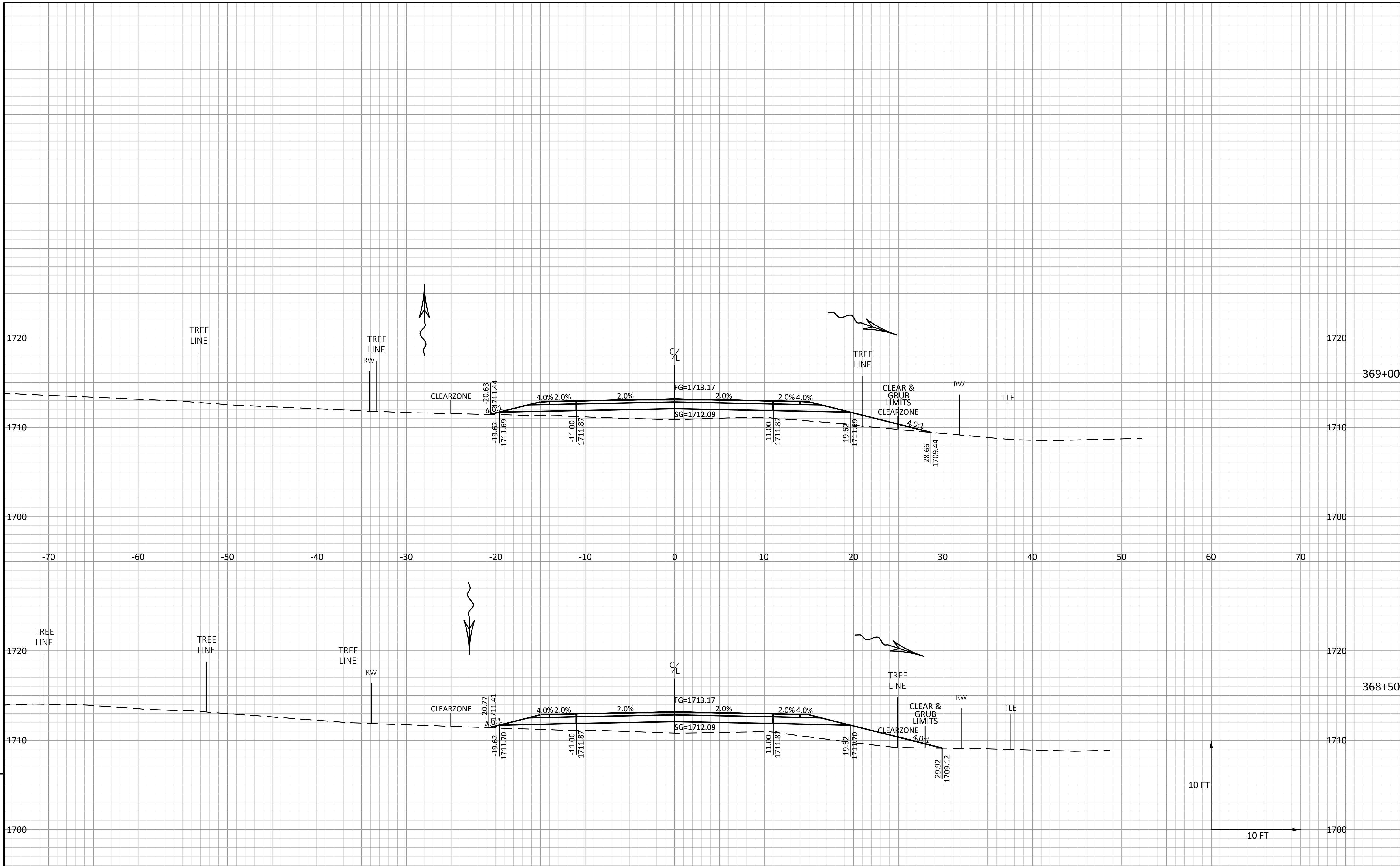
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:22:28 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.68 CROSS SECTIONS



9 9

PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 163	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:22:33 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.69 CROSS SECTIONS



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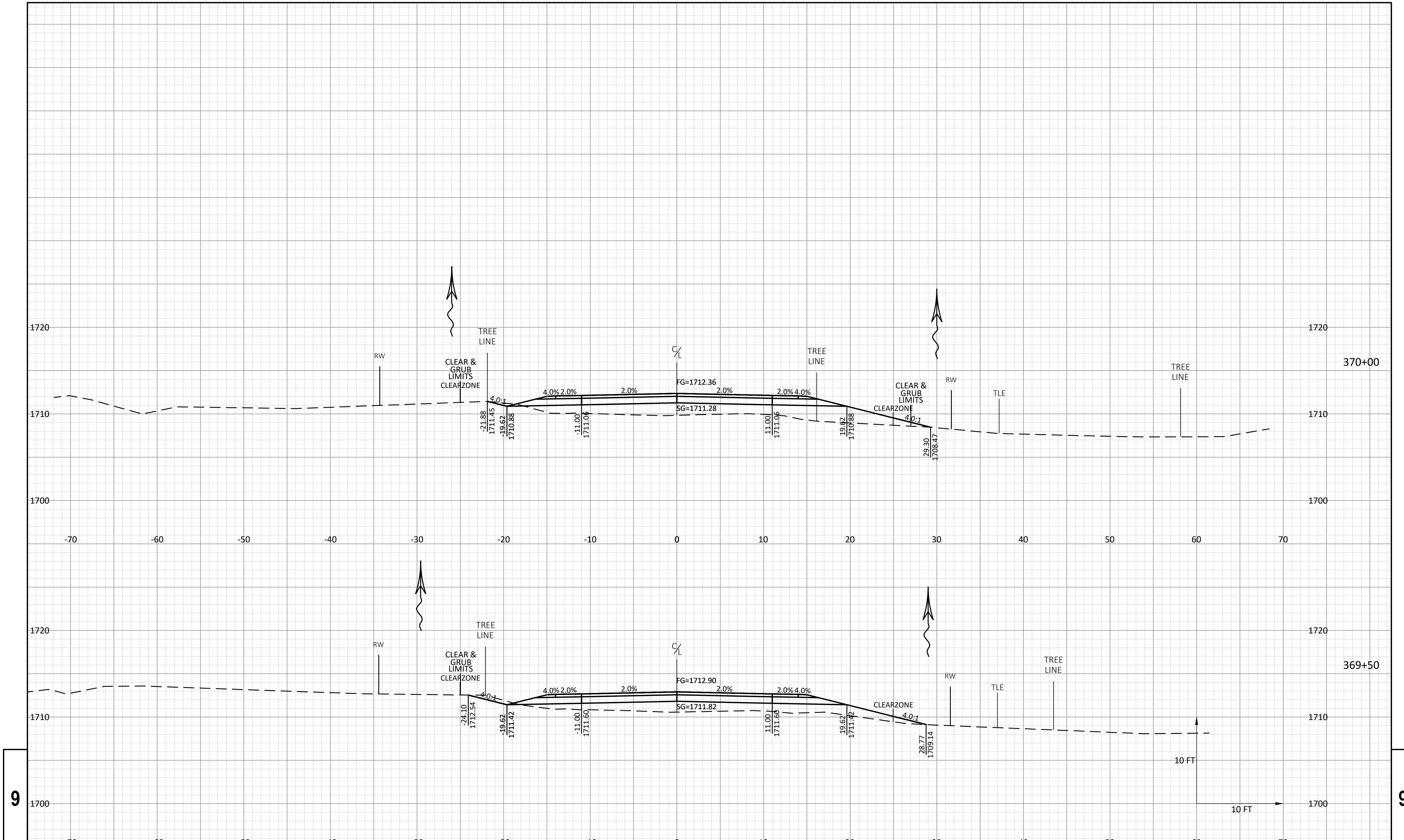
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 164	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:22:38 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.70 CROSS SECTIONS



370+00
369+50
1720
1710
1700
-70
-60
-50
-40
-30
-20
-10
0
10
20
30
40
50
60
70
RW
TREE LINE
CLEAR & GRUB LIMITS
CLEARZONE
C/L
FG=1712.36
SG=1711.28
4.0% 2.0%
2.0%
2.0%
2.0% 4.0%
4.0:1
TLE
-21.88
1711.45
-19.62
1710.88
-11.00
1711.06
11.00
1711.06
19.62
1710.88
29.30
1708.47
FG=1712.90
SG=1711.82
-24.10
1712.54
-19.62
1711.42
-11.00
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11.00
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19.62
1711.42
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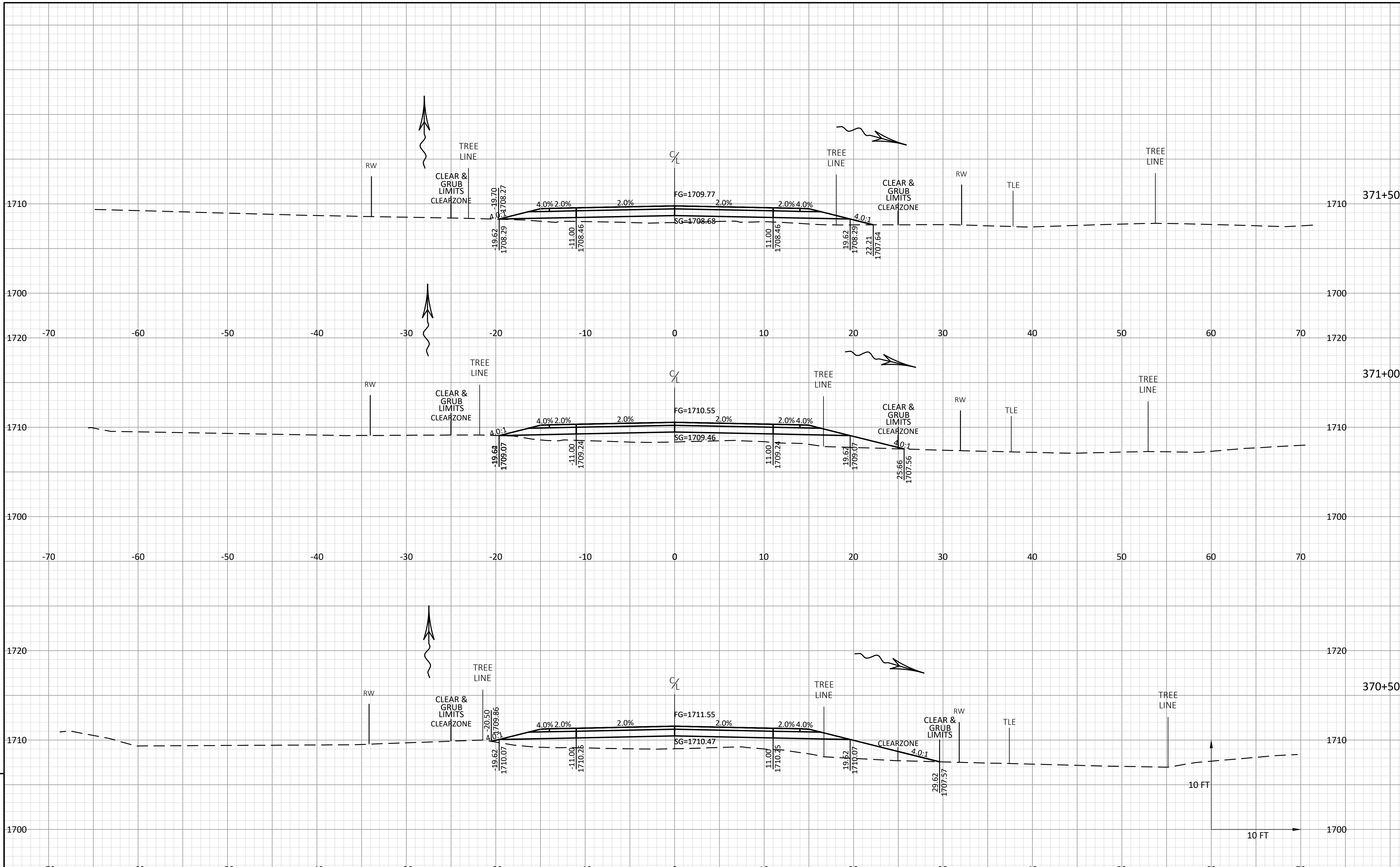
10 FT
10 FT
9
9

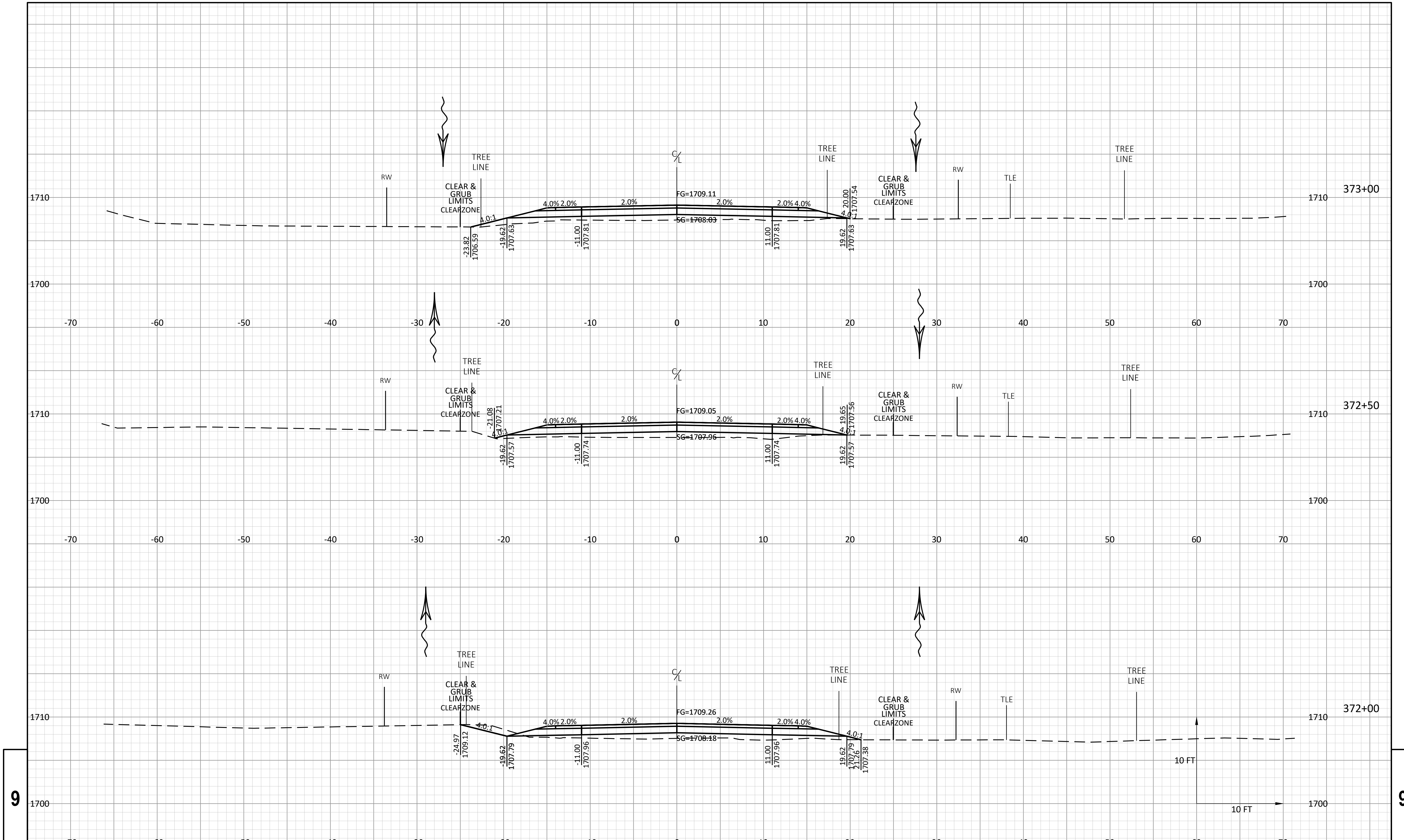


9

9

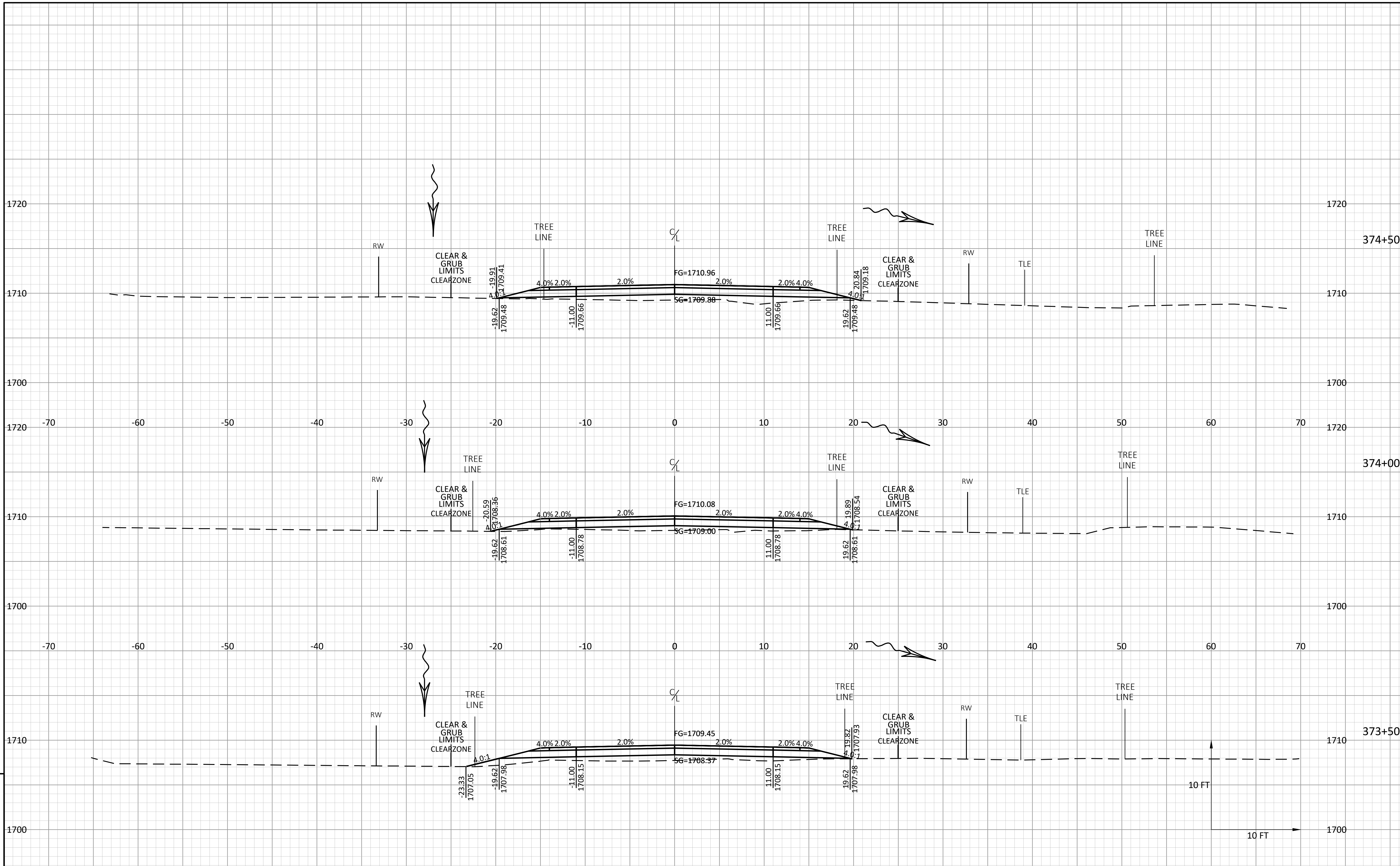
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 166	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:22:48 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.72 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 167	E

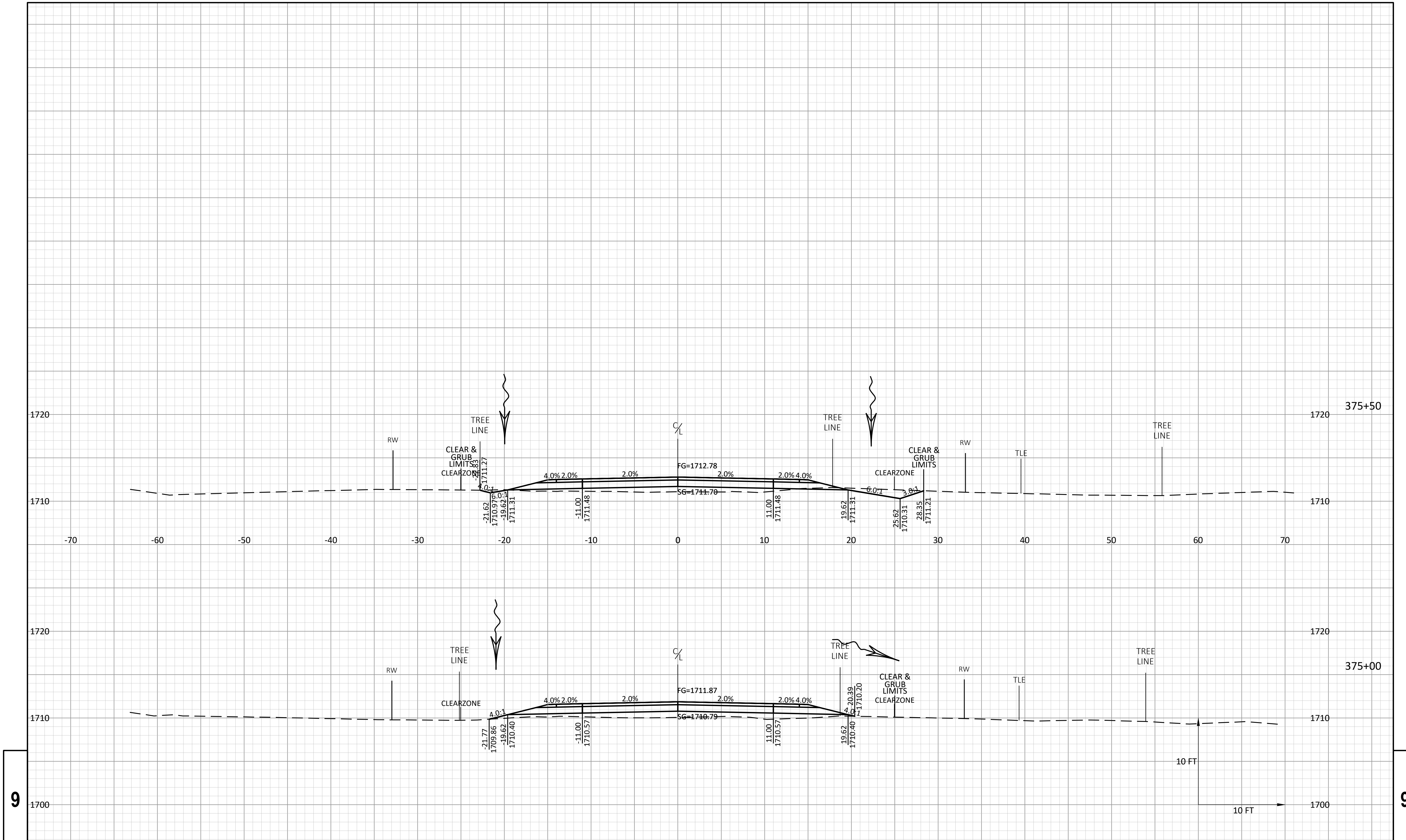
FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:22:53 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.73 CROSS SECTIONS



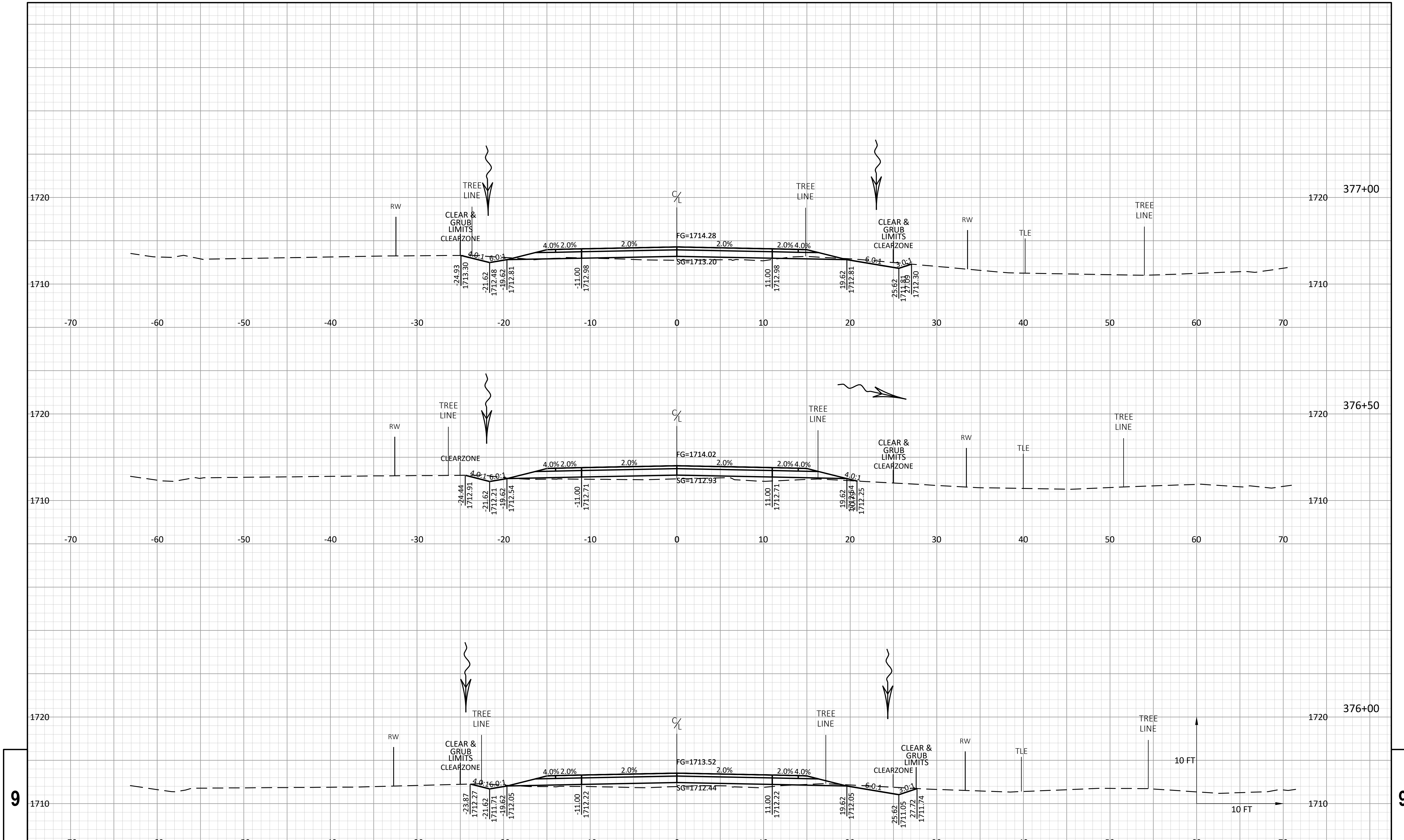
9

PROJECT NO: 9513-01-70 | HWY: CTH S | COUNTY: VILAS | CROSS SECTIONS: CTH S | SHEET 168 | E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:22:58 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.74 CROSS SECTIONS

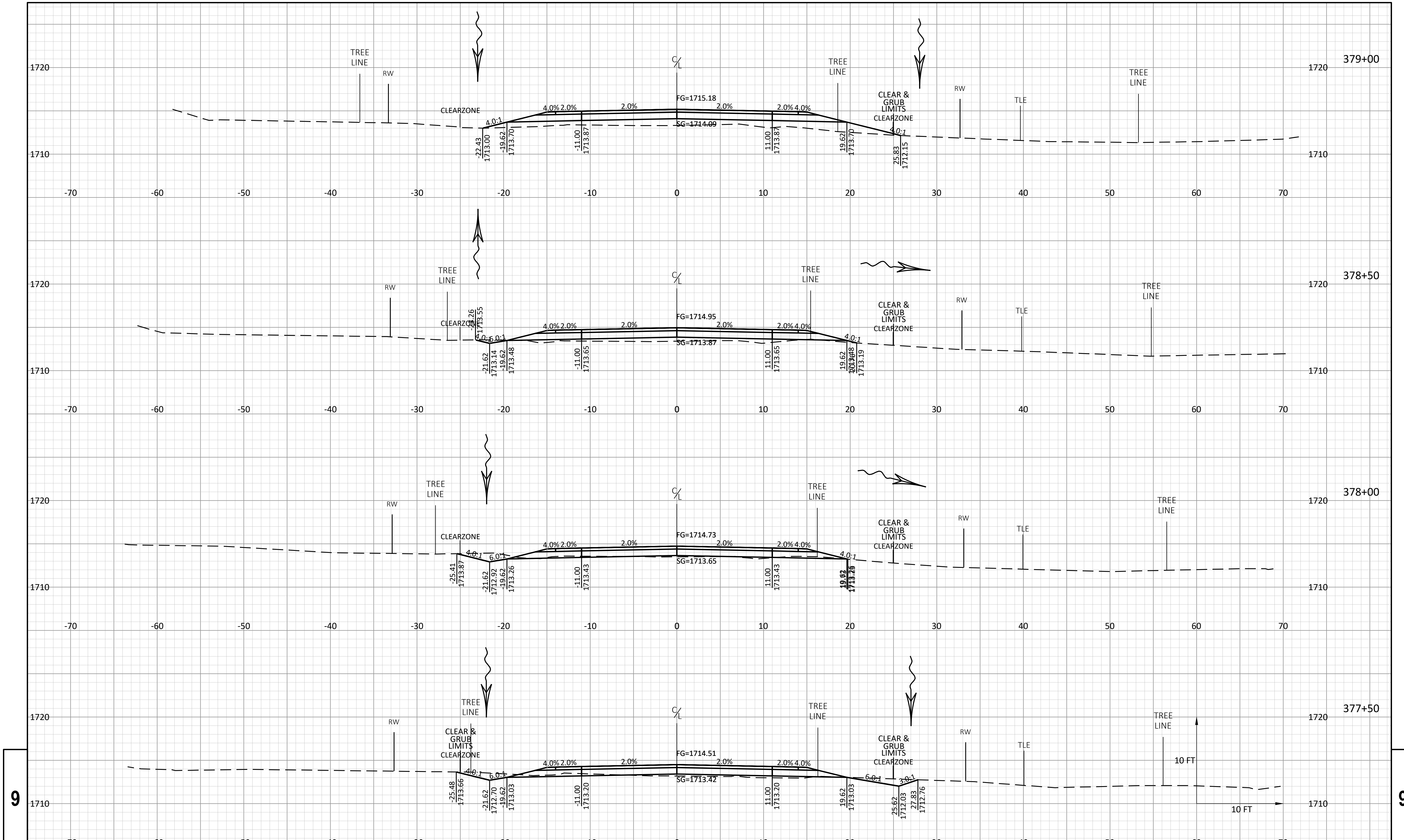


PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 169	E



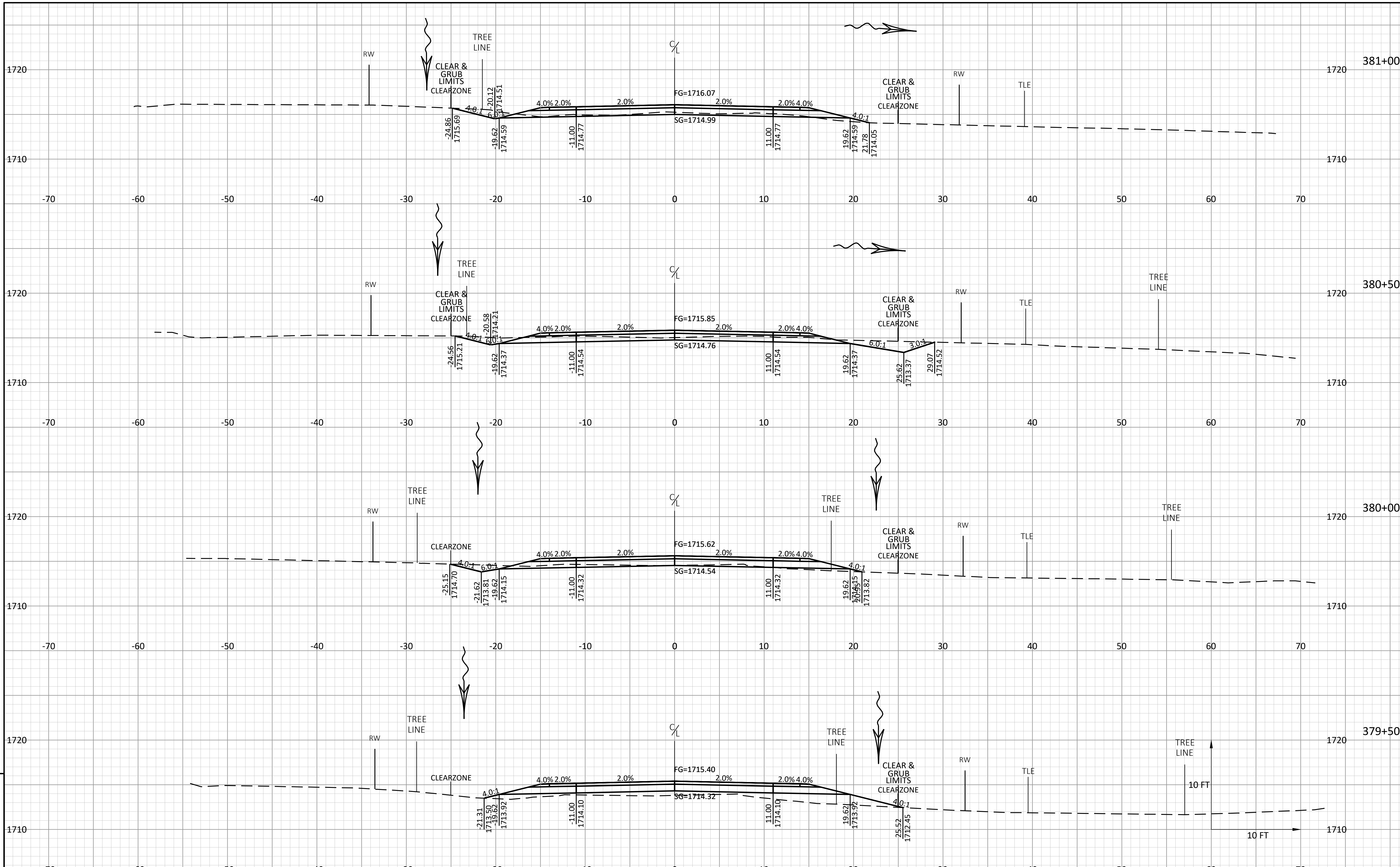
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:23:08 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.76 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:23:13 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.77 CROSS SECTIONS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SG=1714.99
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FG=1715.85
SG=1714.76
380+00
FG=1715.62
SG=1714.54
379+50
FG=1715.40
SG=1714.32
TREE LINE
CLEAR & GRUB LIMITS
CLEARZONE
RW
TLE
4.0%
2.0%
4.0:1
6.0:1
3.0:1
10 FT
1720
1710
-70
-60
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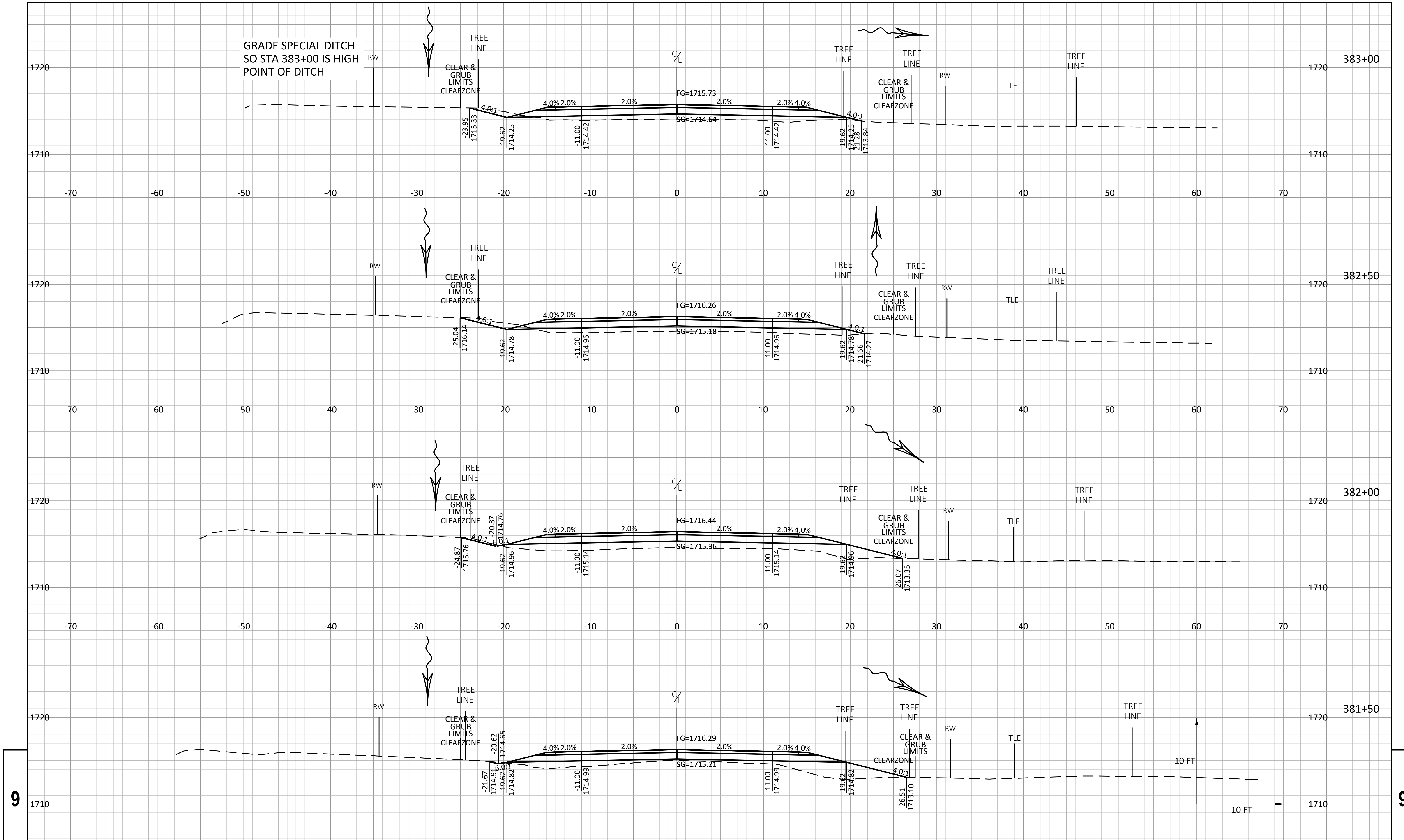
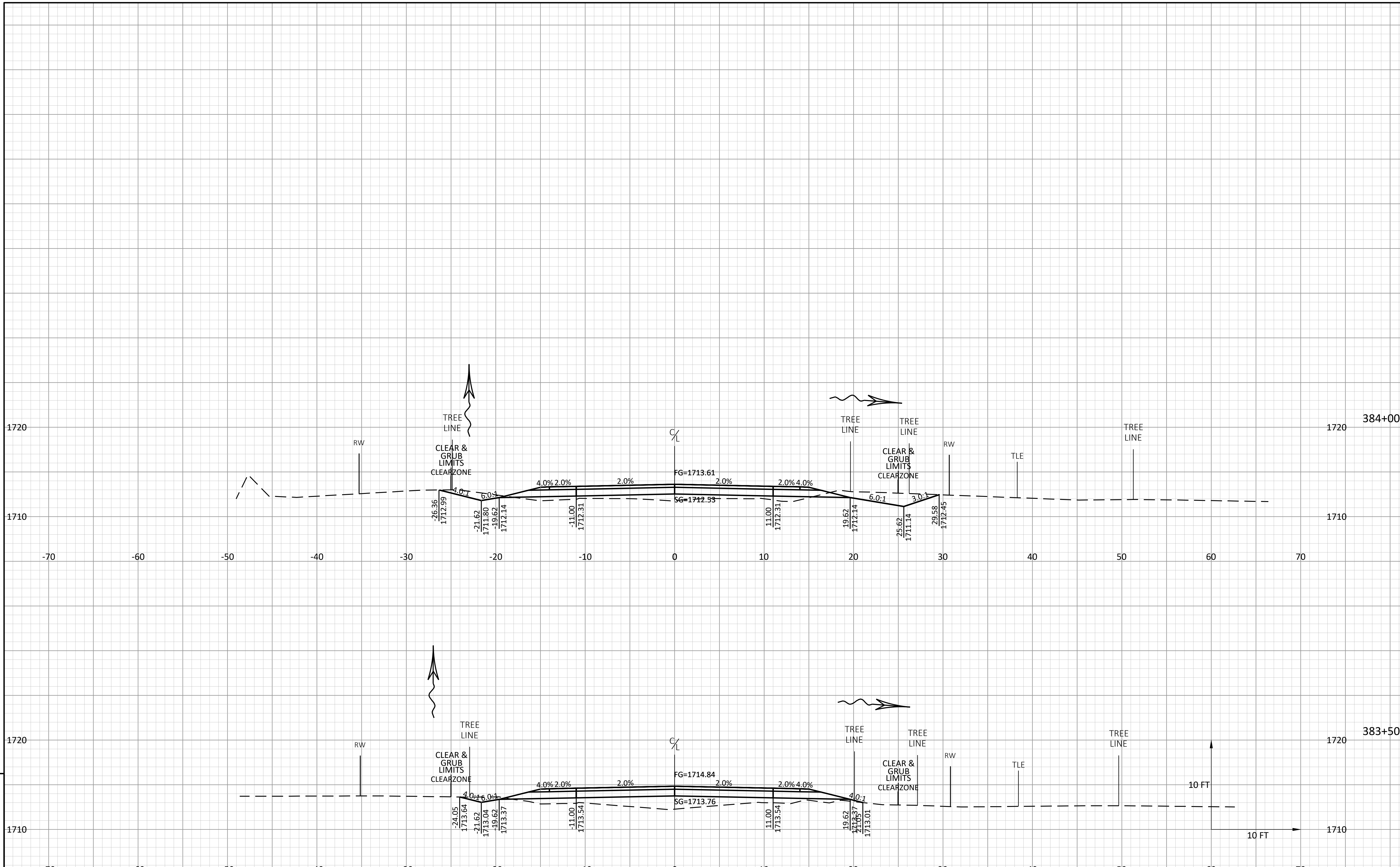
50
60
70

9

9



PROJECT NO: 9513-01-70 | HWY: CTH S | COUNTY: VILAS | CROSS SECTIONS: CTH S | SHEET 173 | E



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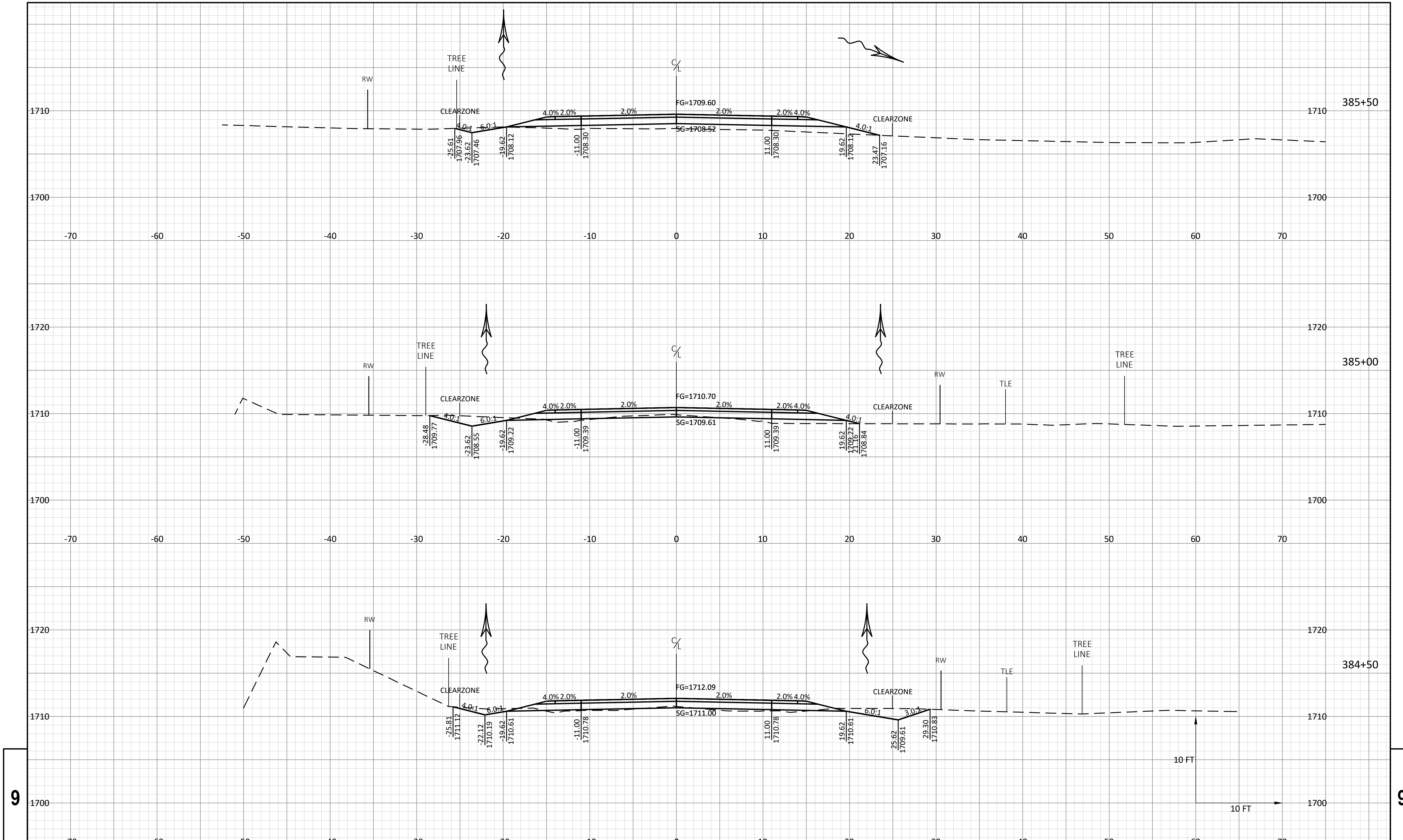
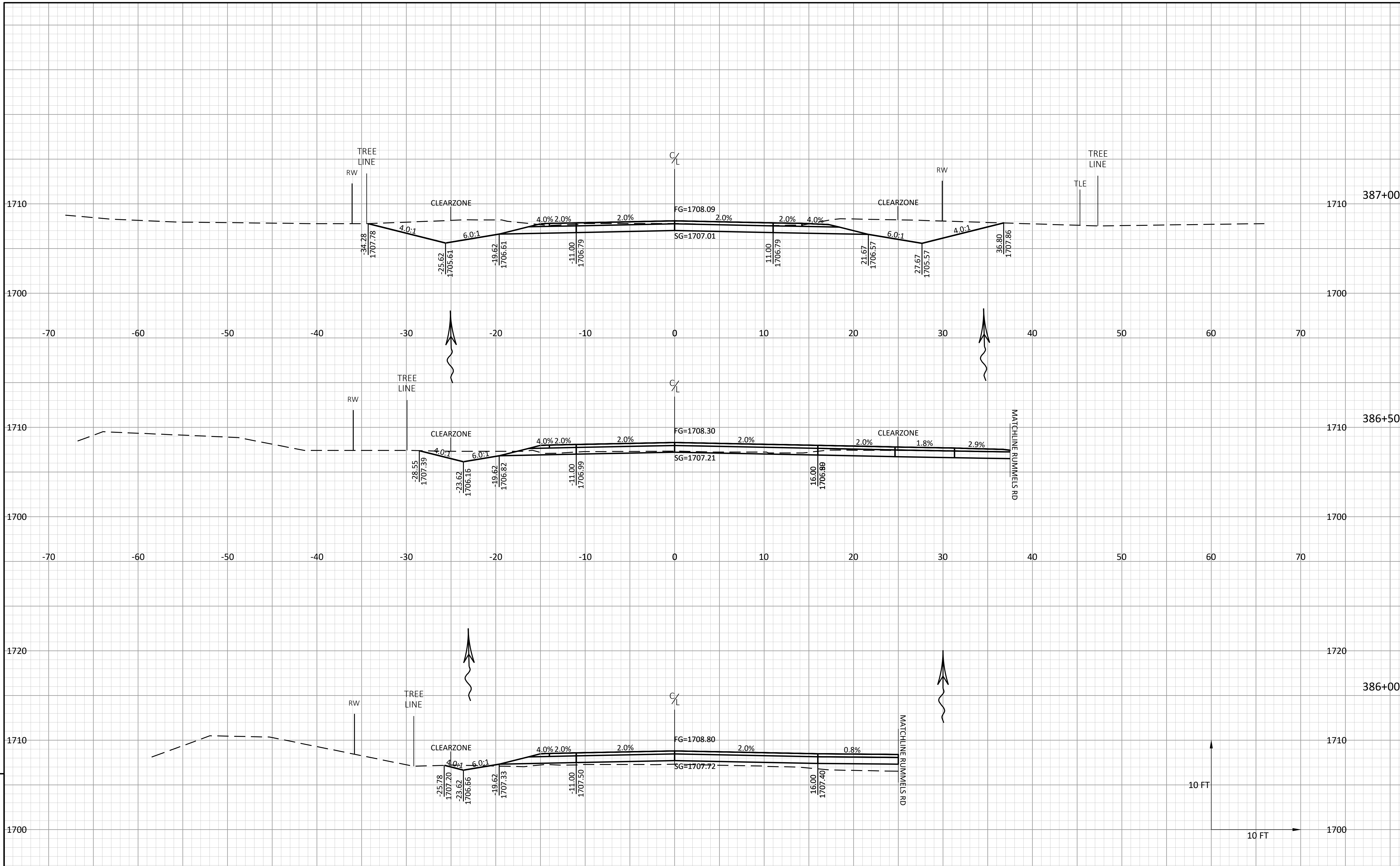
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 174	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:23:28 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.80 CROSS SECTIONS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:23:33 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.81 CROSS SECTIONS



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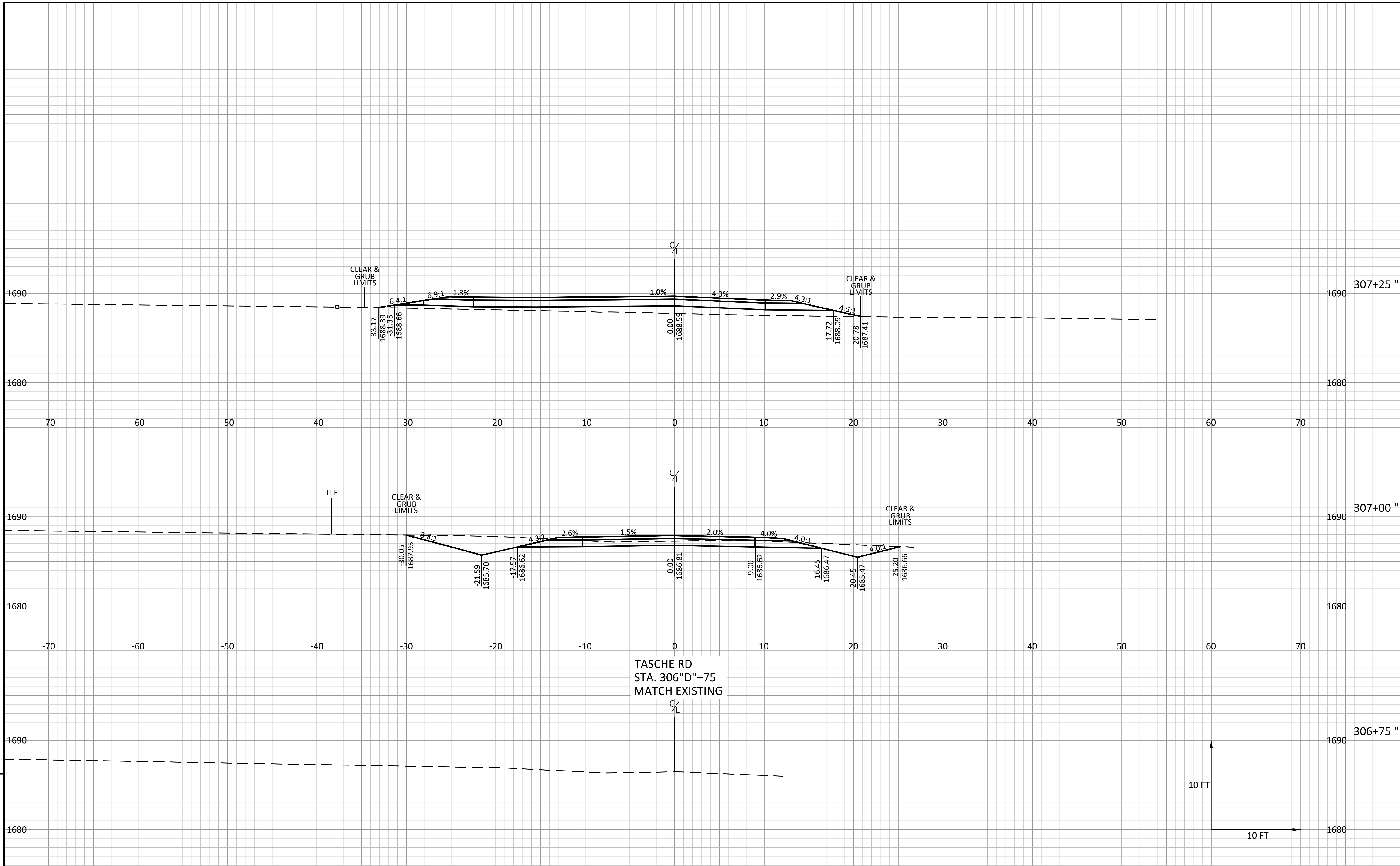
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: CTH S	SHEET 176	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:23:38 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.82 CROSS SECTIONS



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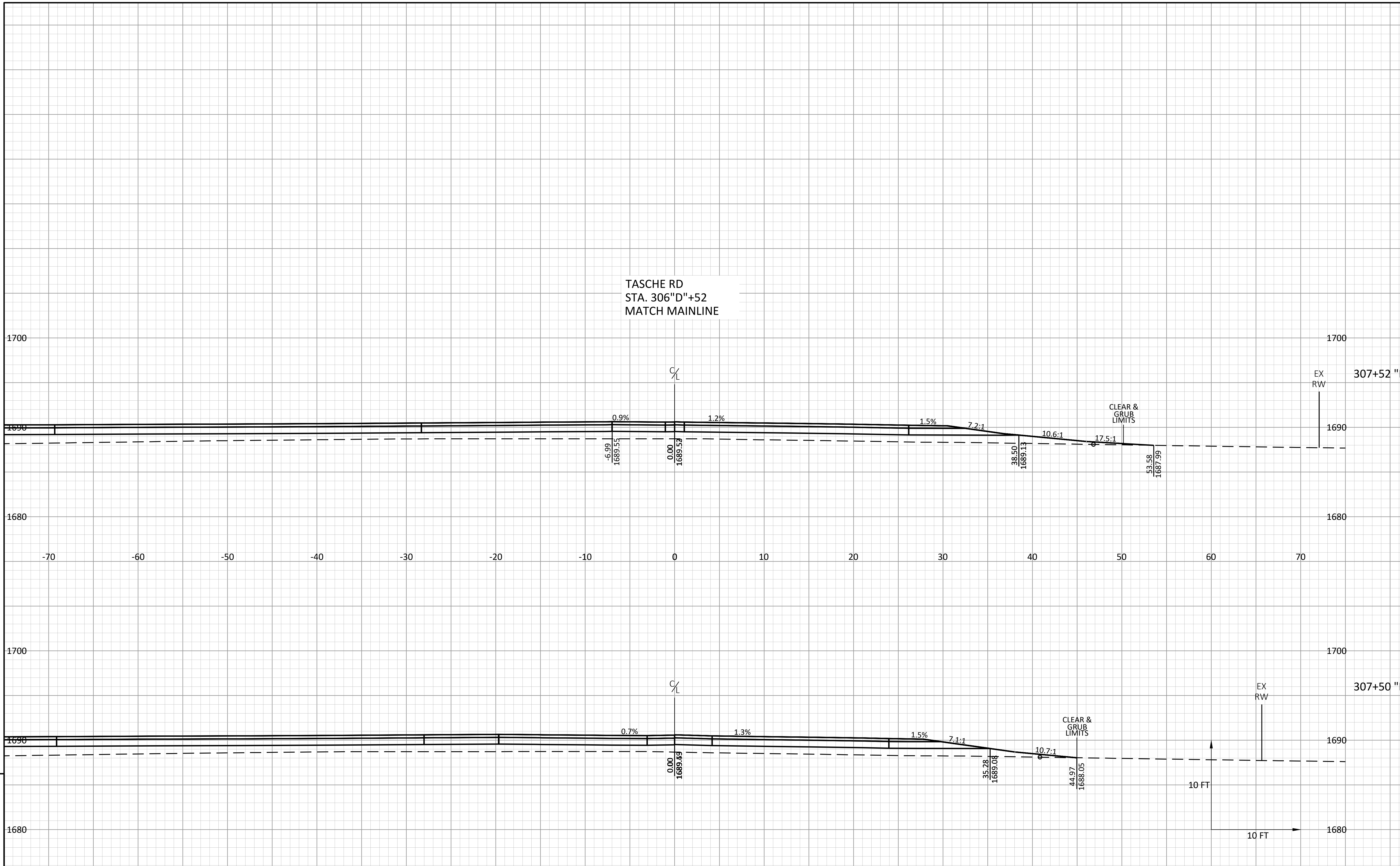
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: TASCHE RD	SHEET 177	E

9



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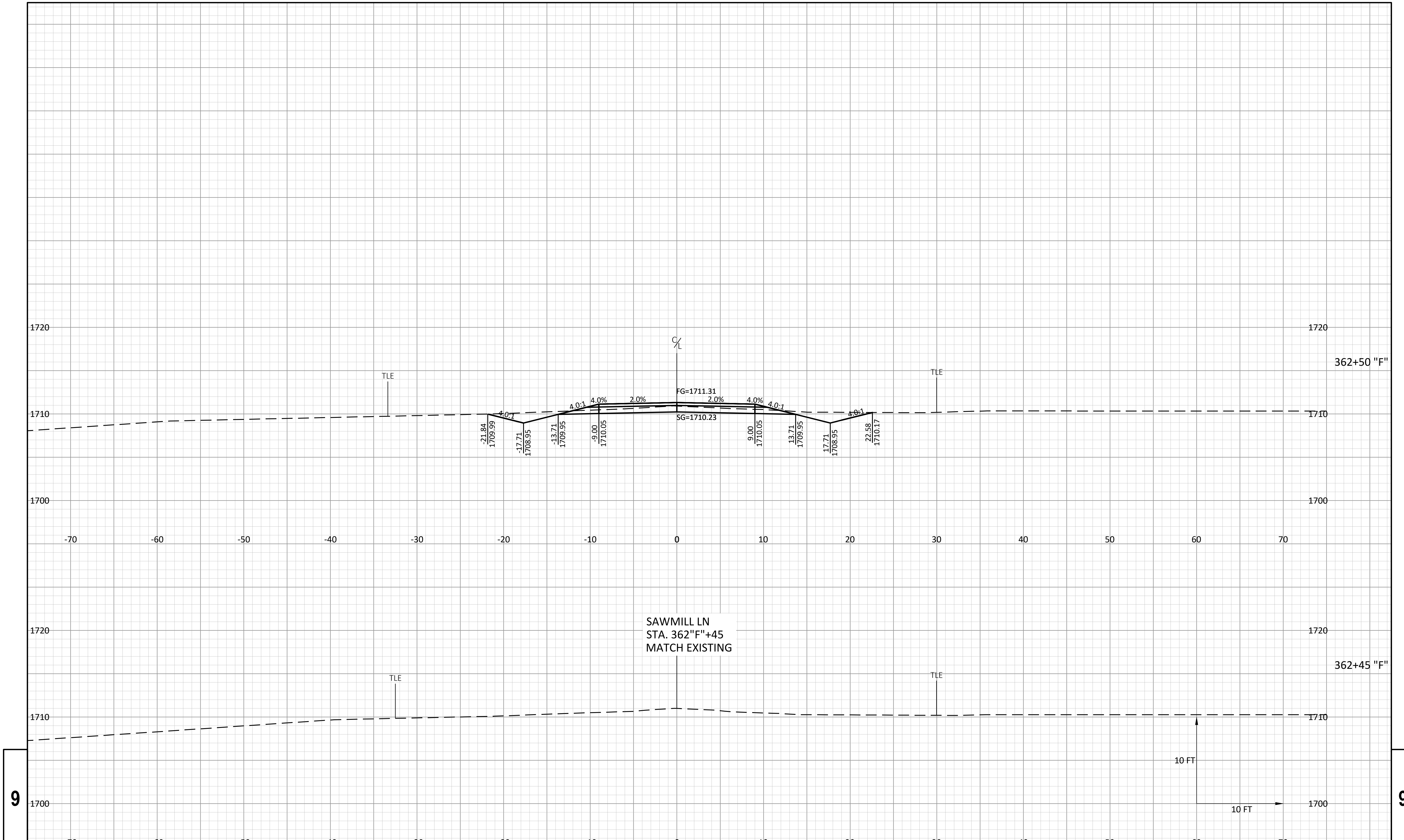
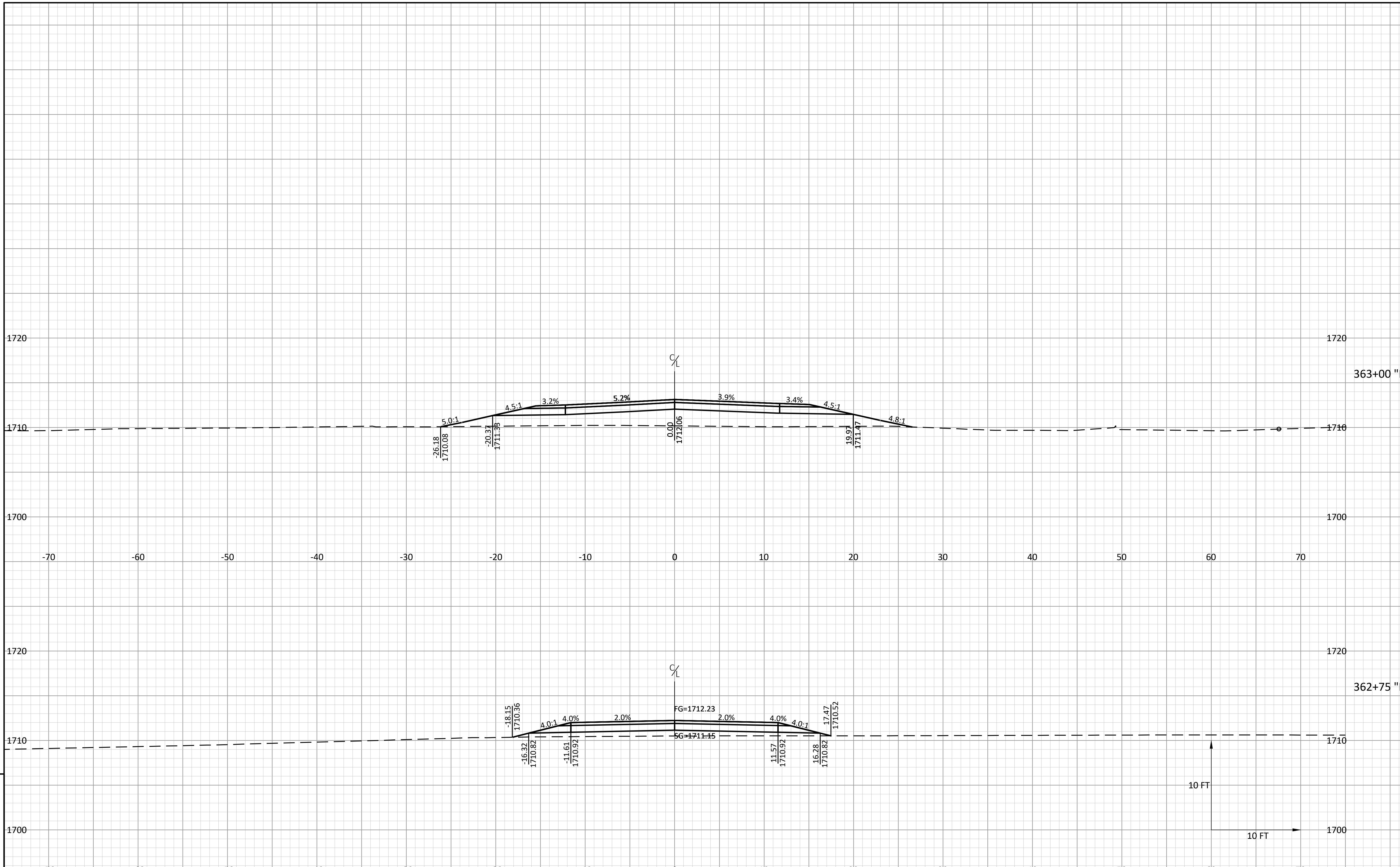
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: TASCHE RD	SHEET 178	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 10:59:58 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.84 CROSS SECTIONS SIDEROADS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: SAWMILL LN	SHEET 179	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:03:51 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.85 CROSS SECTIONS SIDEROADS



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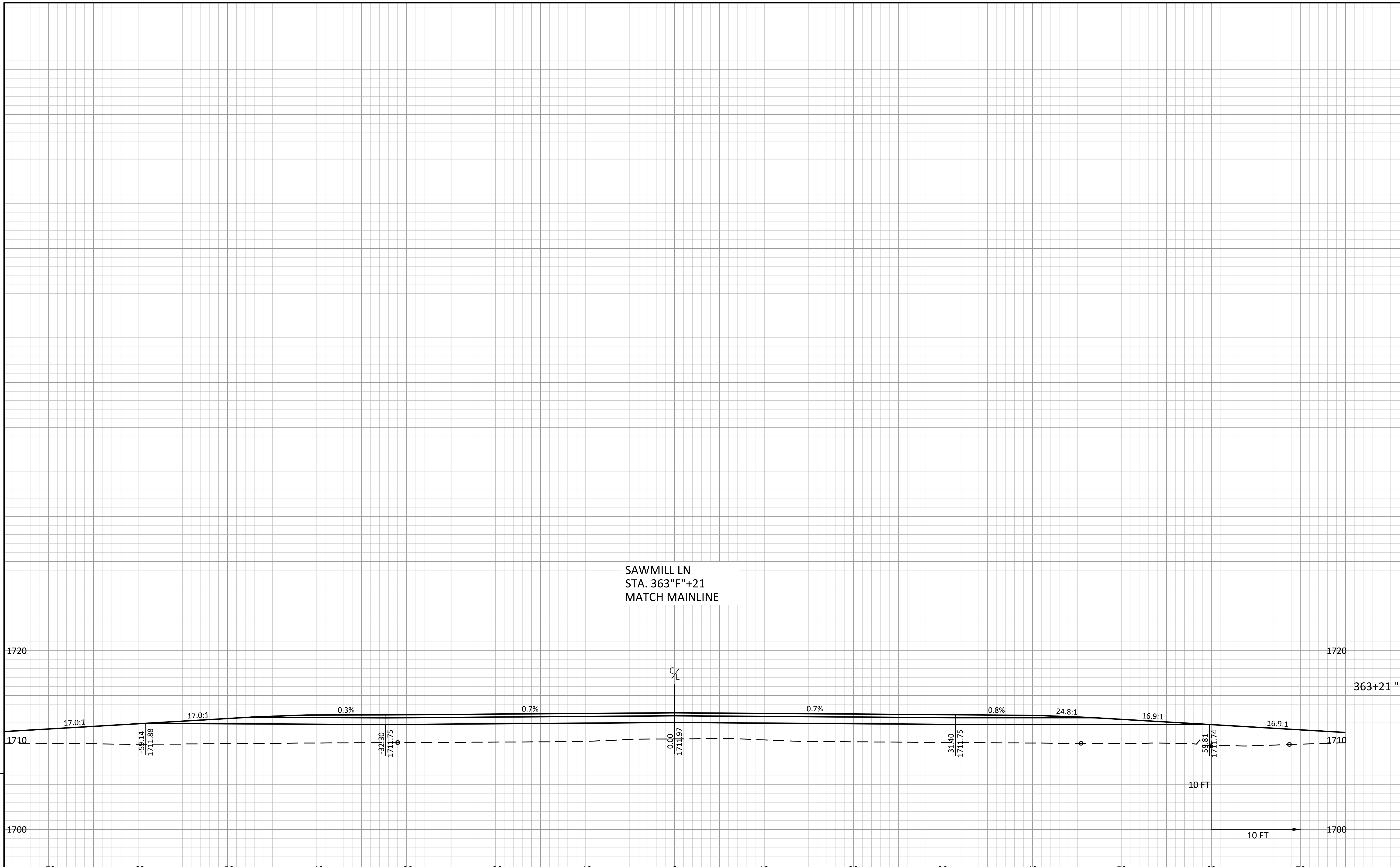
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: SAWMILL LN	SHEET 180	E



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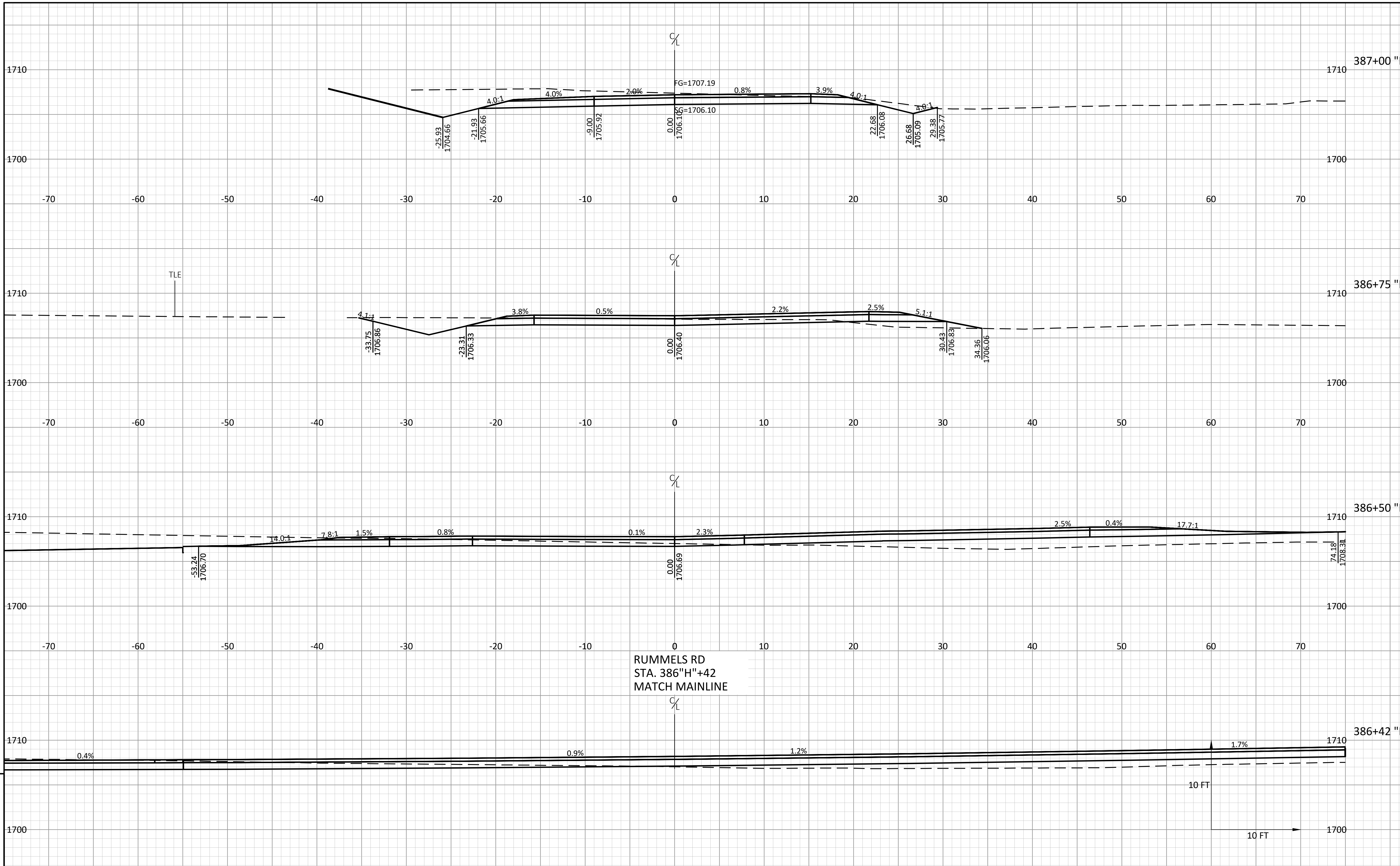
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: SAWMILL LN	SHEET 181	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:04:04 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.87 CROSS SECTIONS SIDEROADS



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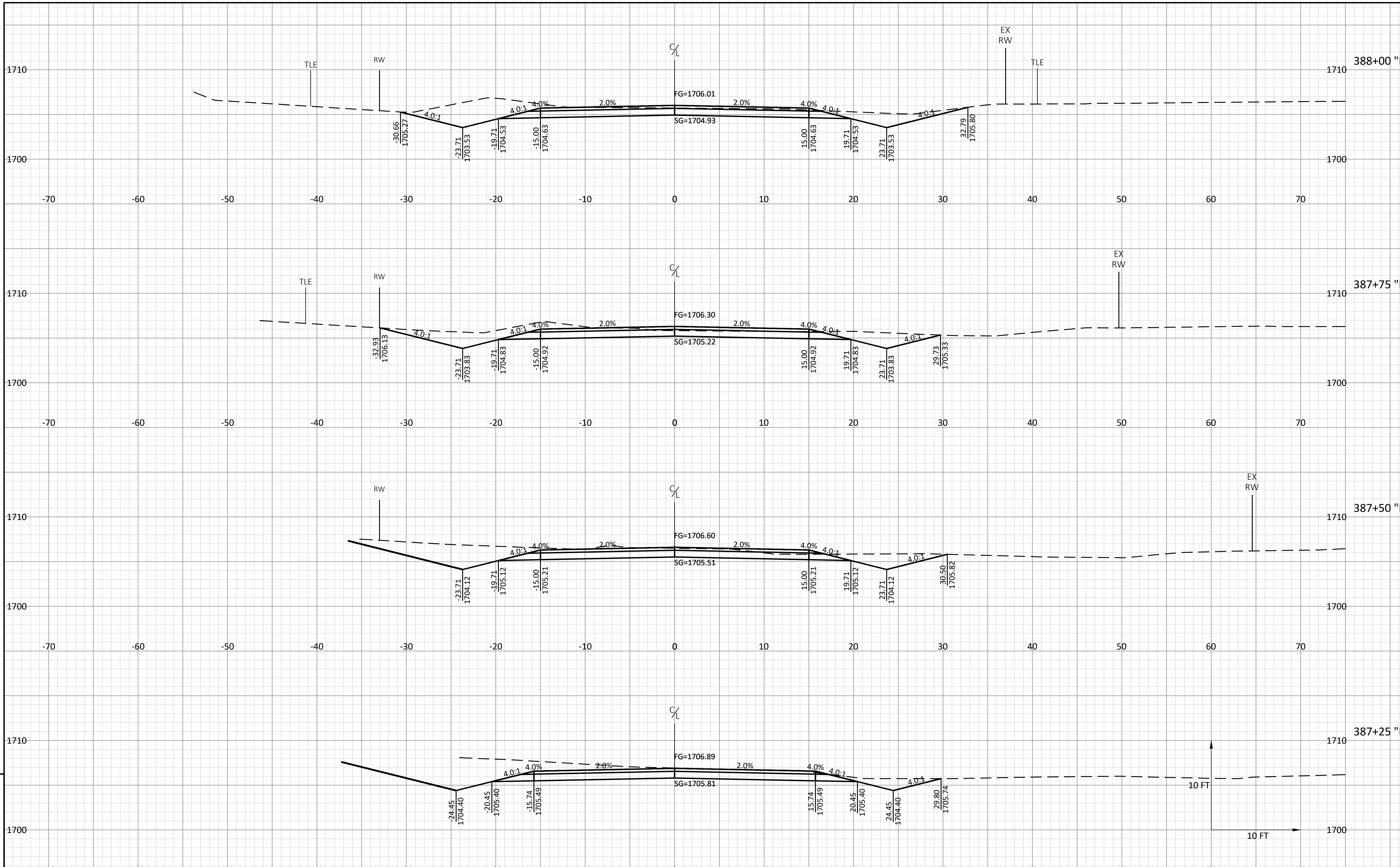
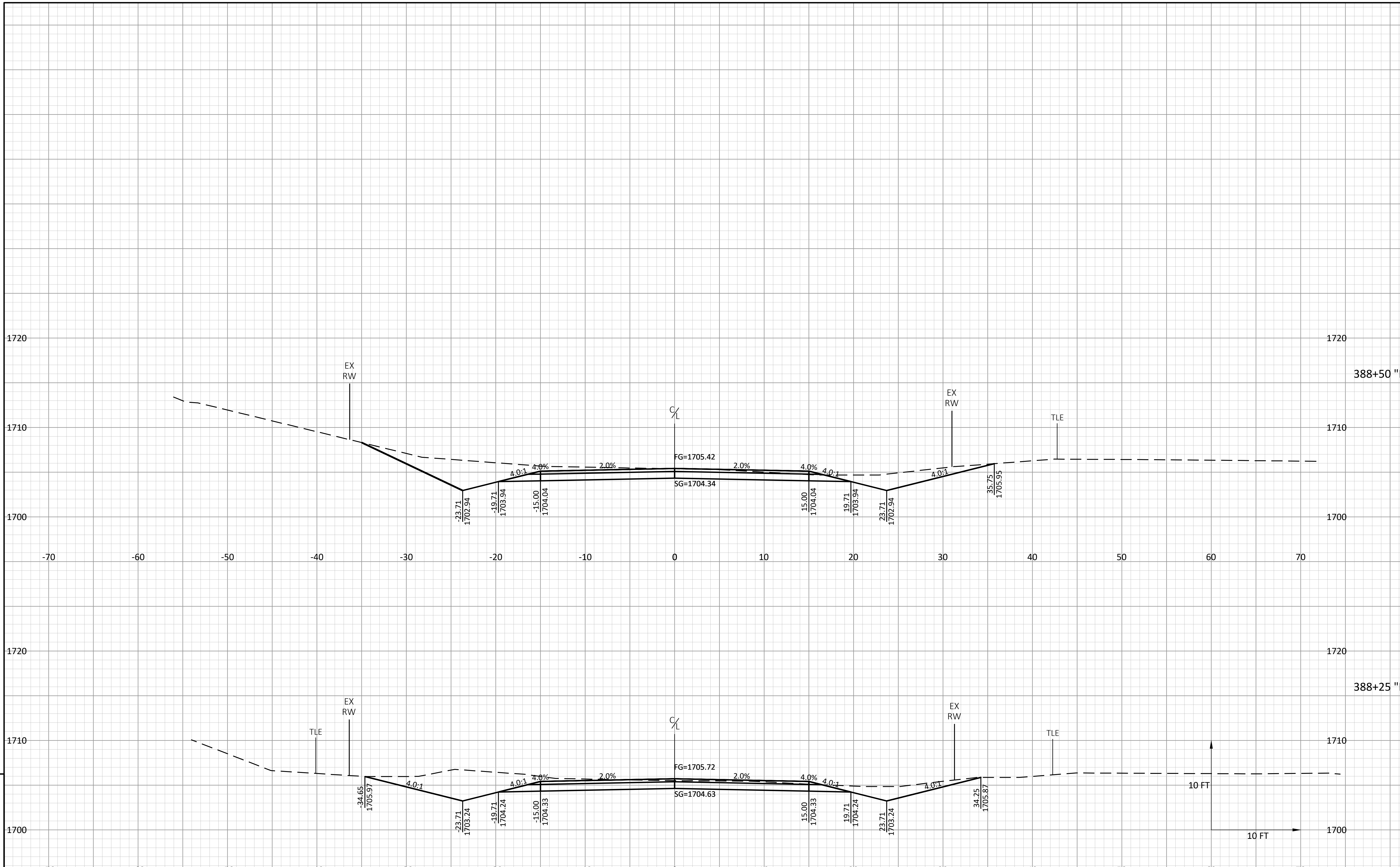
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: RUMMELS RD	SHEET 182	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:10:14 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.88 CROSS SECTIONS SIDEROADS



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: RUMMELS RD	SHEET 183	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:10:20 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.89 CROSS SECTIONS SIDEROADS



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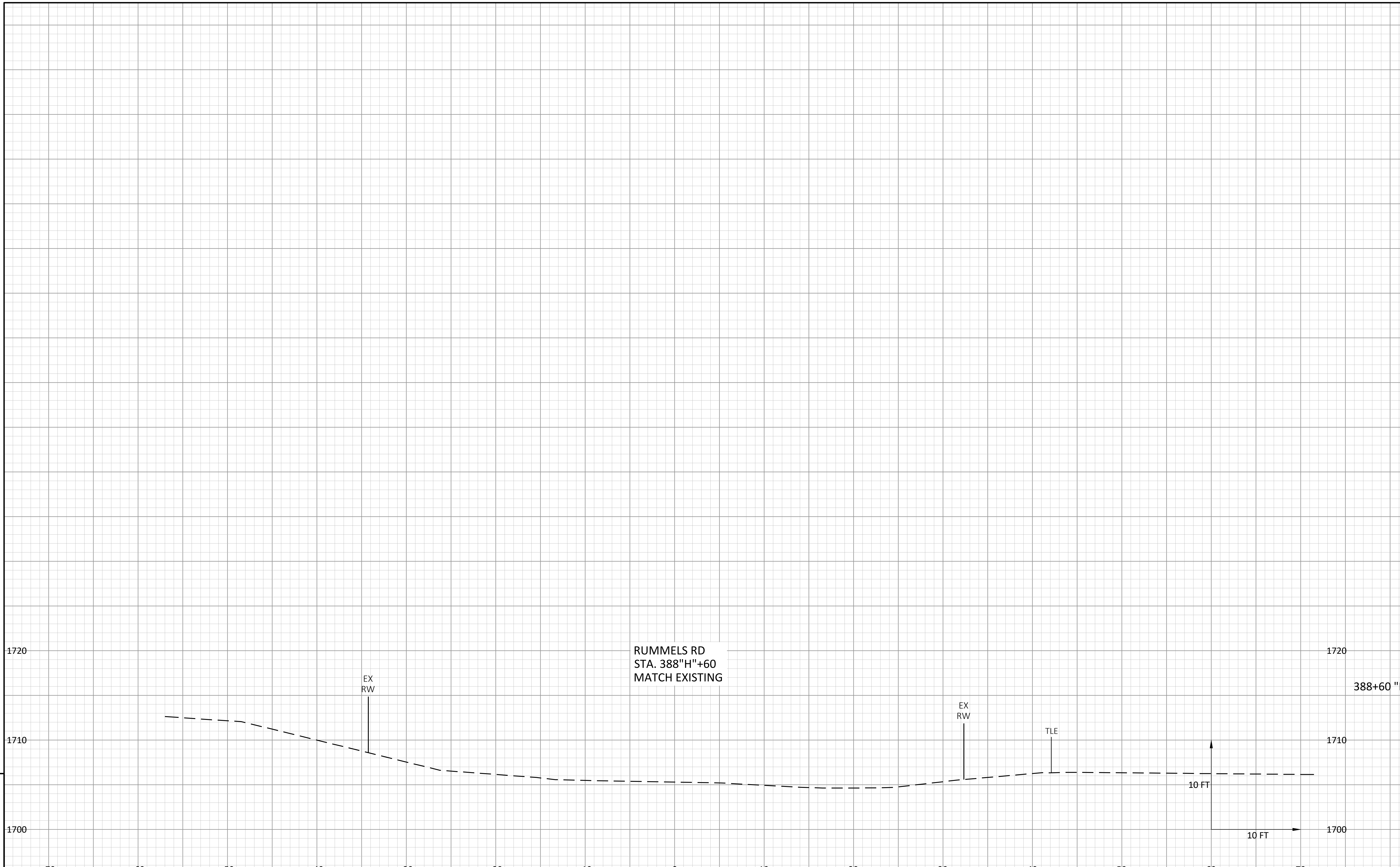
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: RUMMELS RD	SHEET 184	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:10:25 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.90 CROSS SECTIONS SIDEROADS



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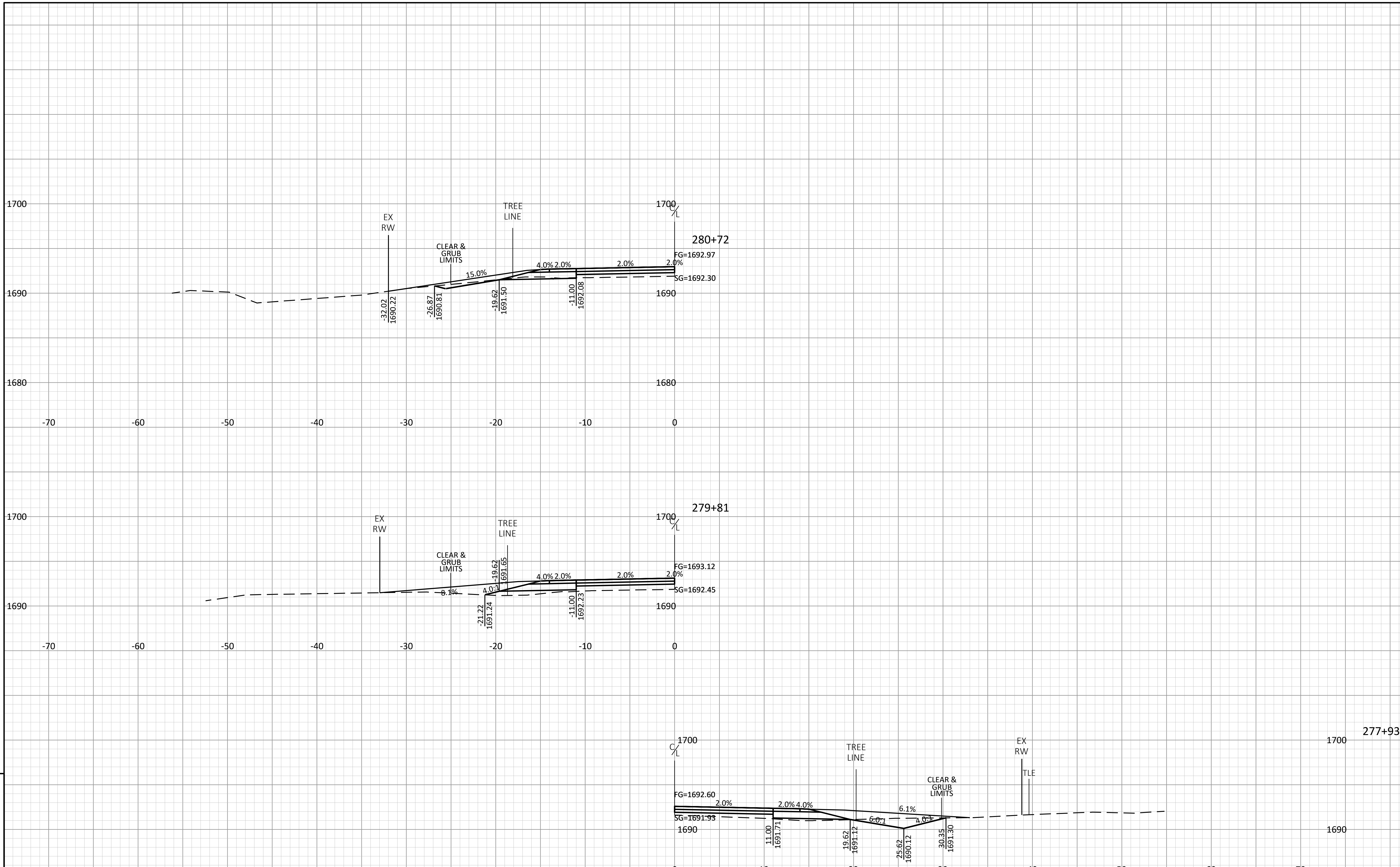
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: RUMMELS RD	SHEET 185	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:10:30 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.91 CROSS SECTIONS SIDEROADS



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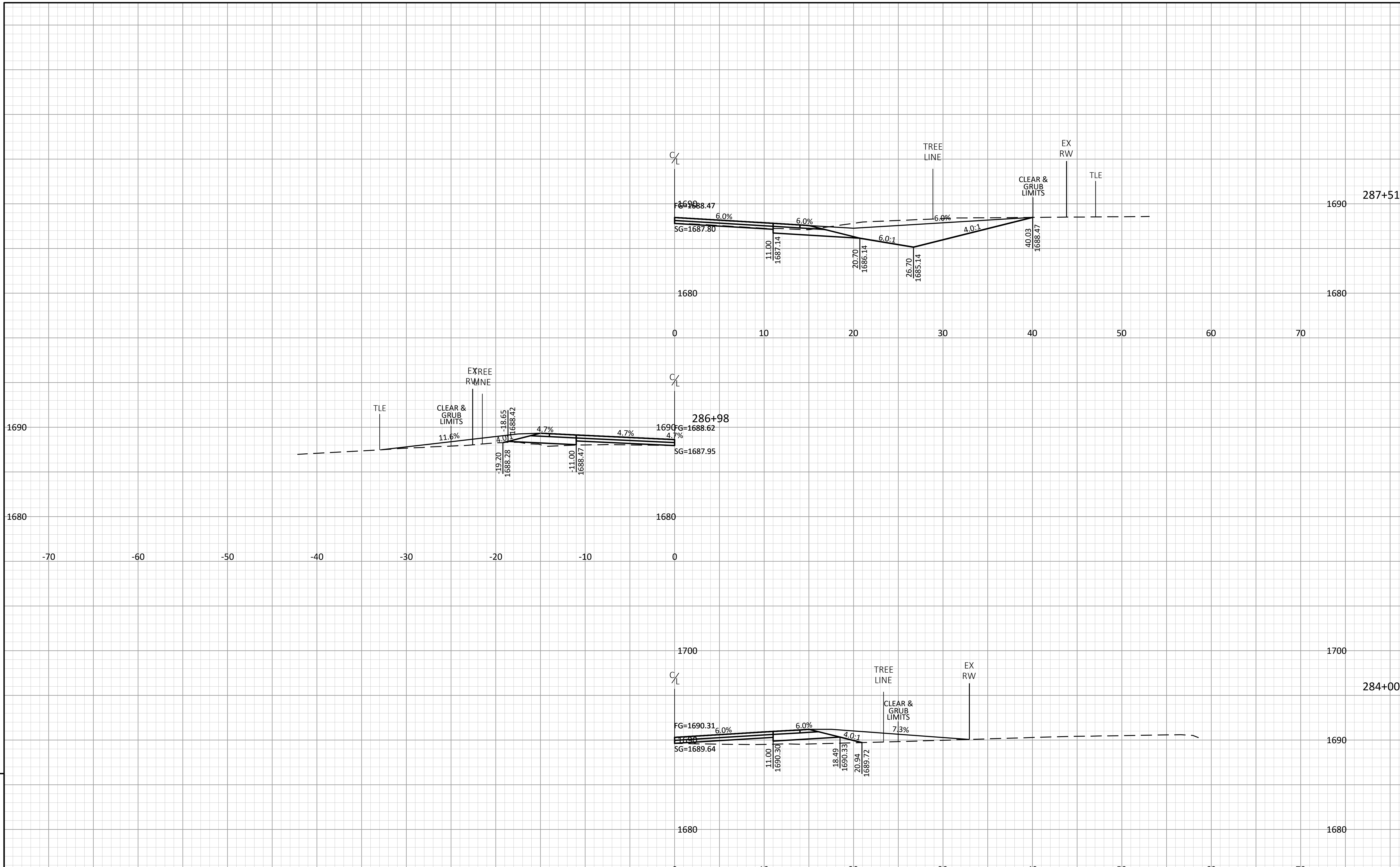
PROJECT NO: 9513-01-70 | HWY: CTH S | COUNTY: VILAS | CROSS SECTIONS: DRIVEWAY PROFILES | SHEET 186 | E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:13:40 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.92 CROSS SECTIONS DRIVEWAY PROFILES



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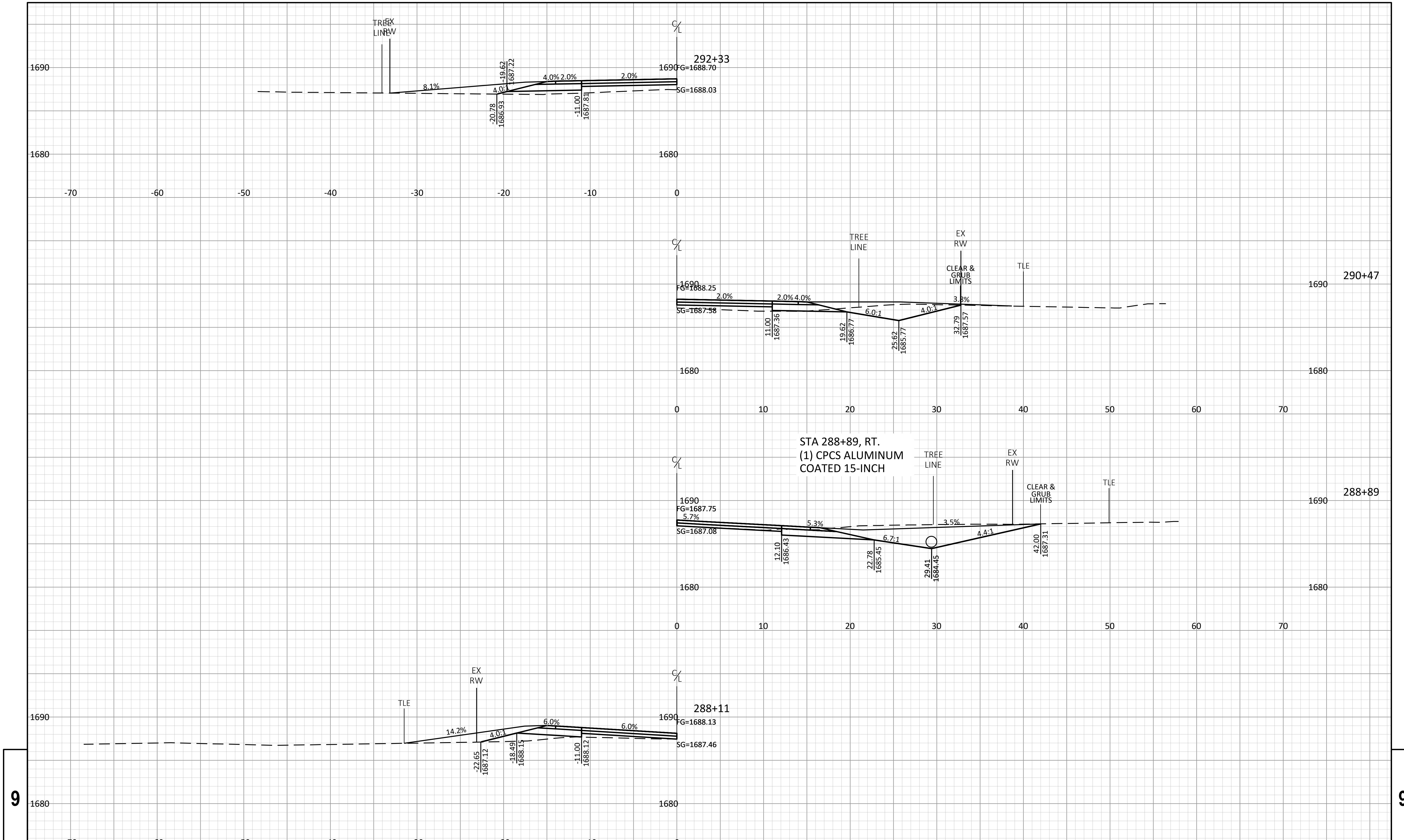
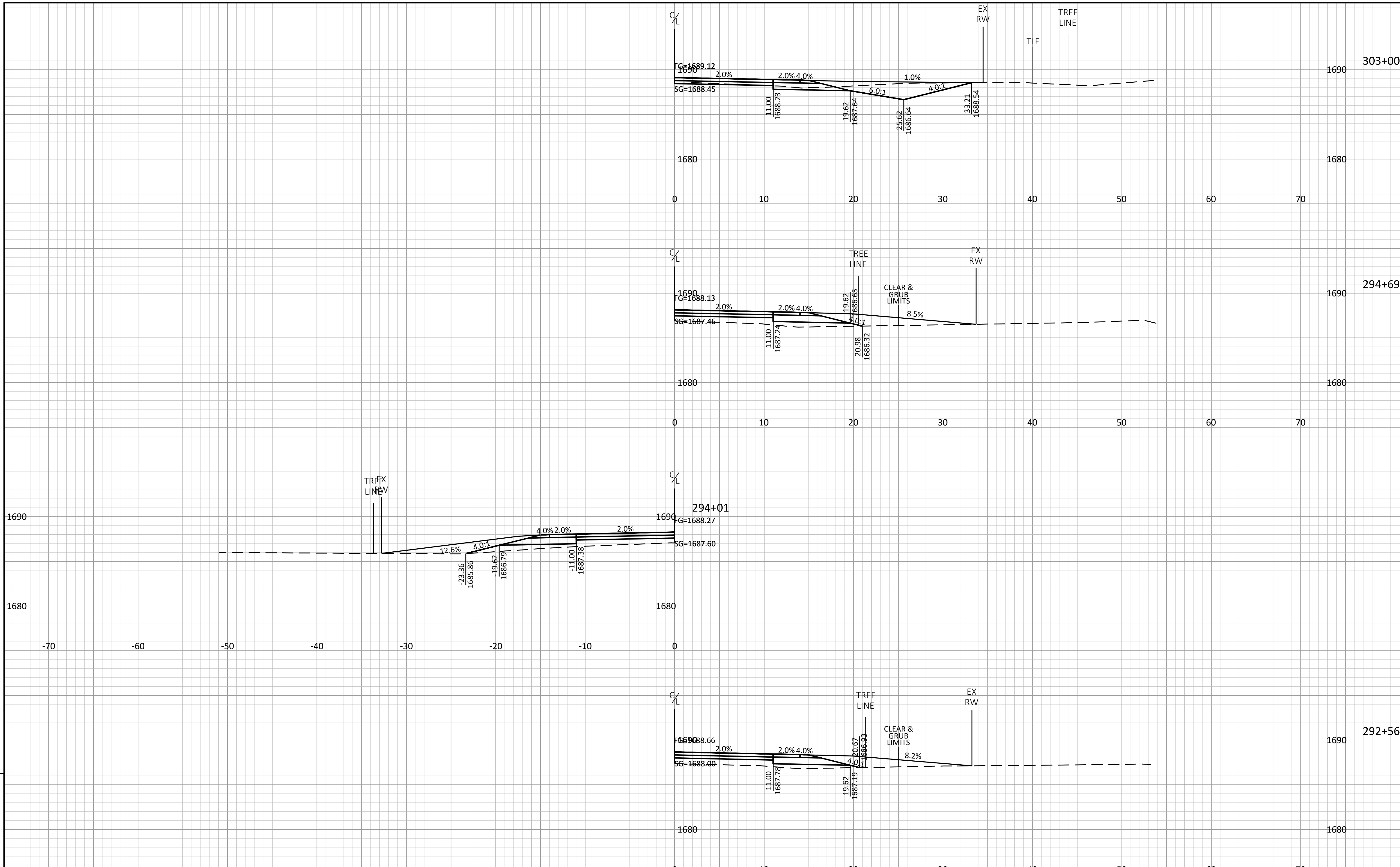
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 187	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:13:47 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.93 CROSS SECTIONS DRIVEWAY PROFILES



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 188	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:13:52 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.94 CROSS SECTIONS DRIVEWAY PROFILES



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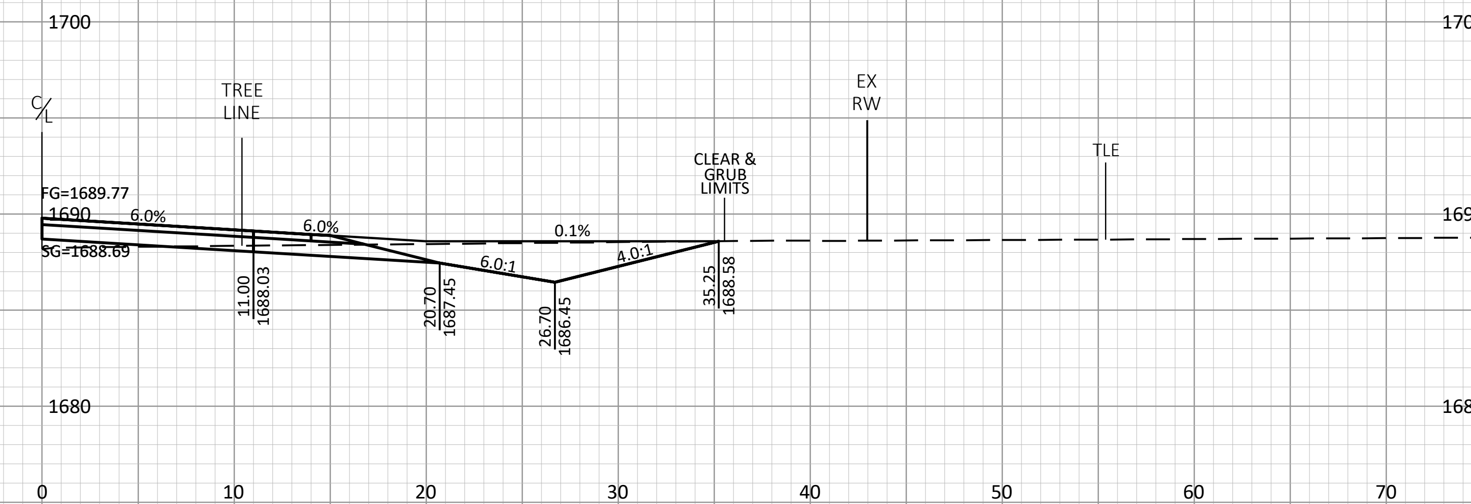
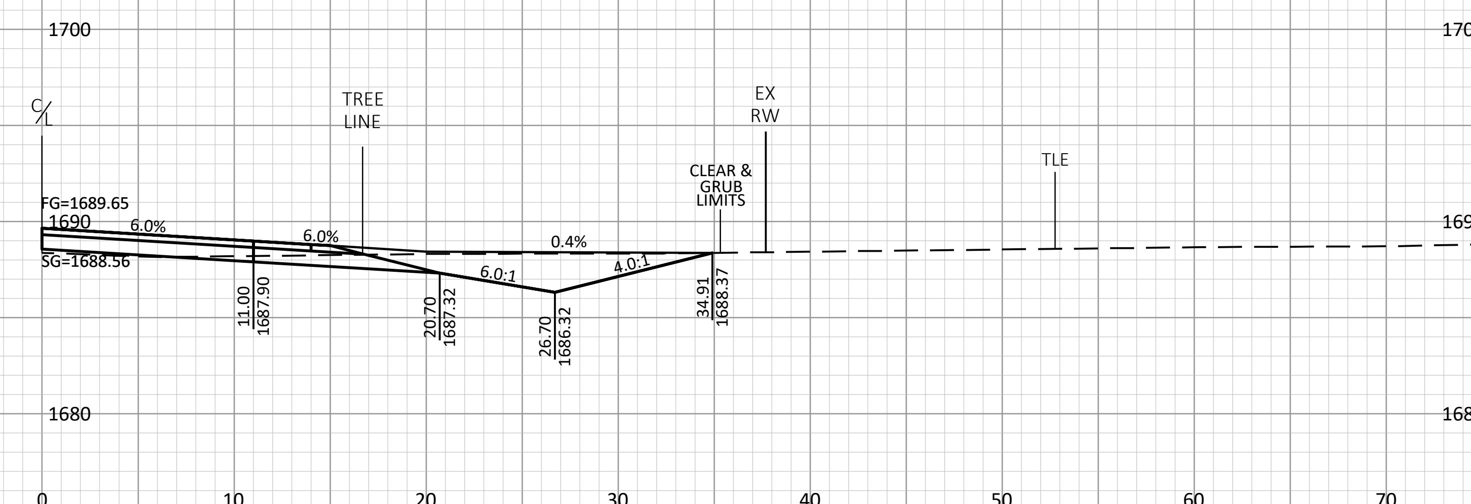
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 189	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:13:57 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.95 CROSS SECTIONS DRIVEWAY PROFILES

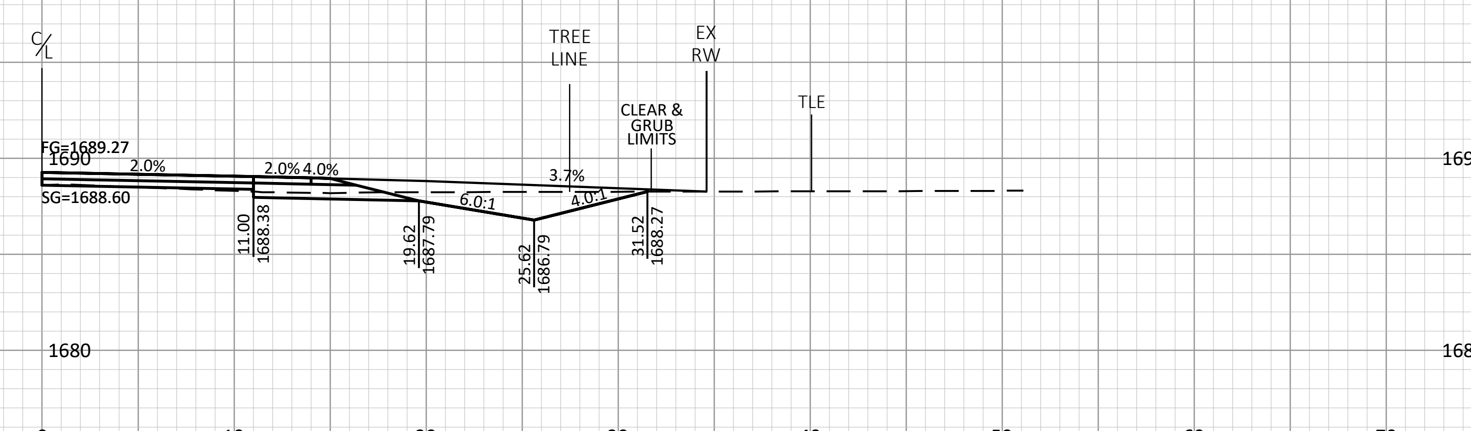
308+22



307+70



305+30



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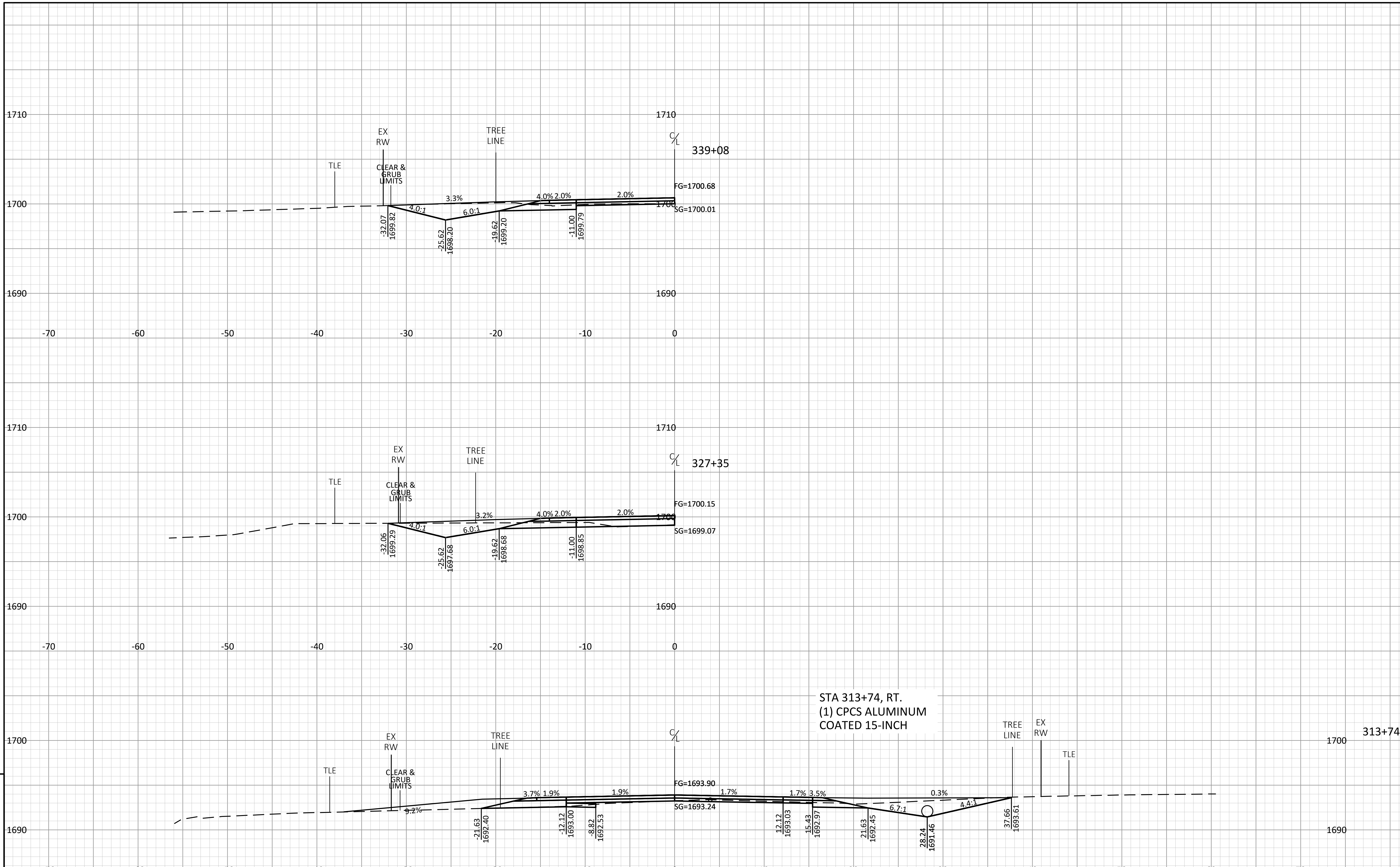
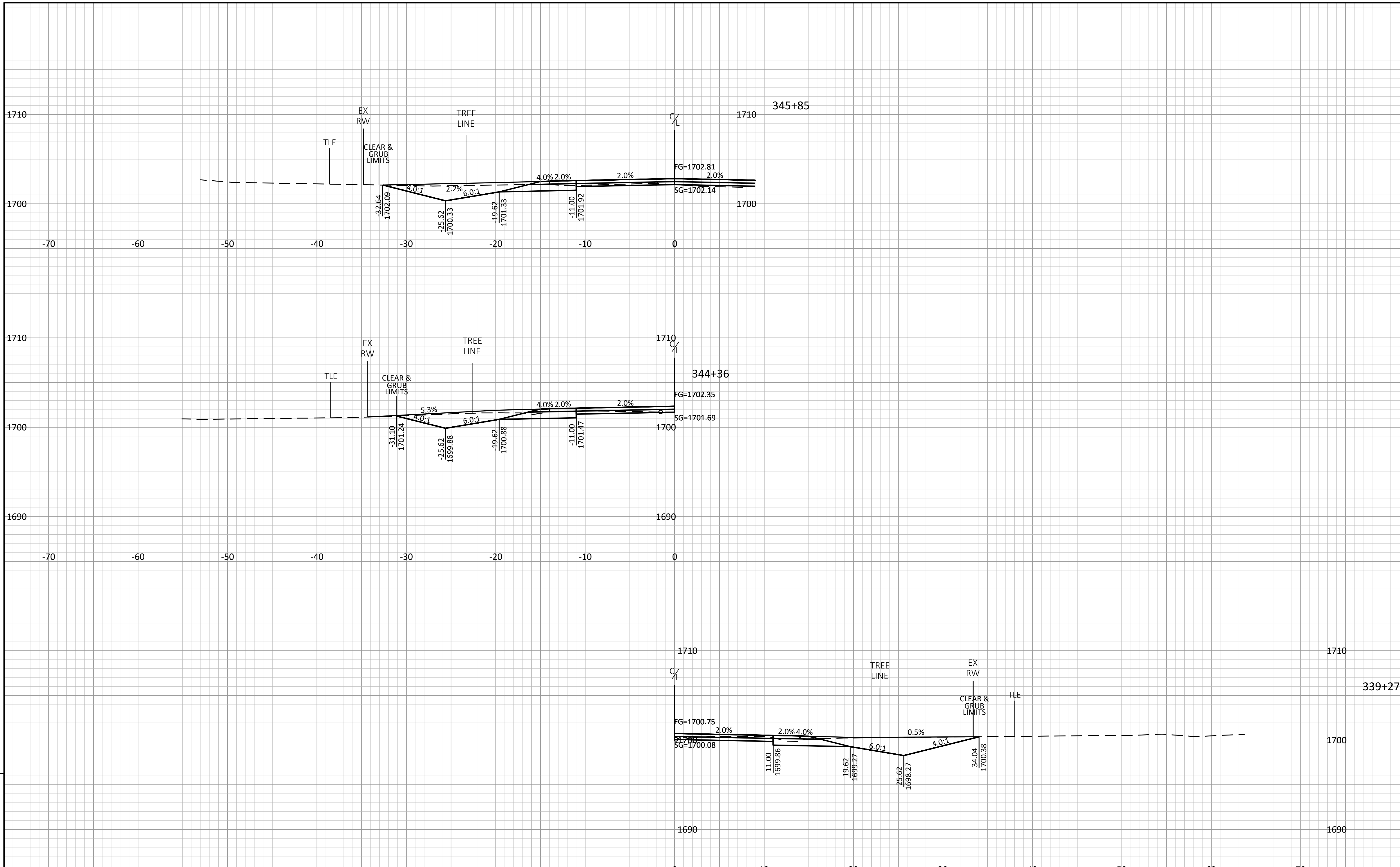
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 190	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:14:02 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.96 CROSS SECTIONS DRIVEWAY PROFILES



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 191	E



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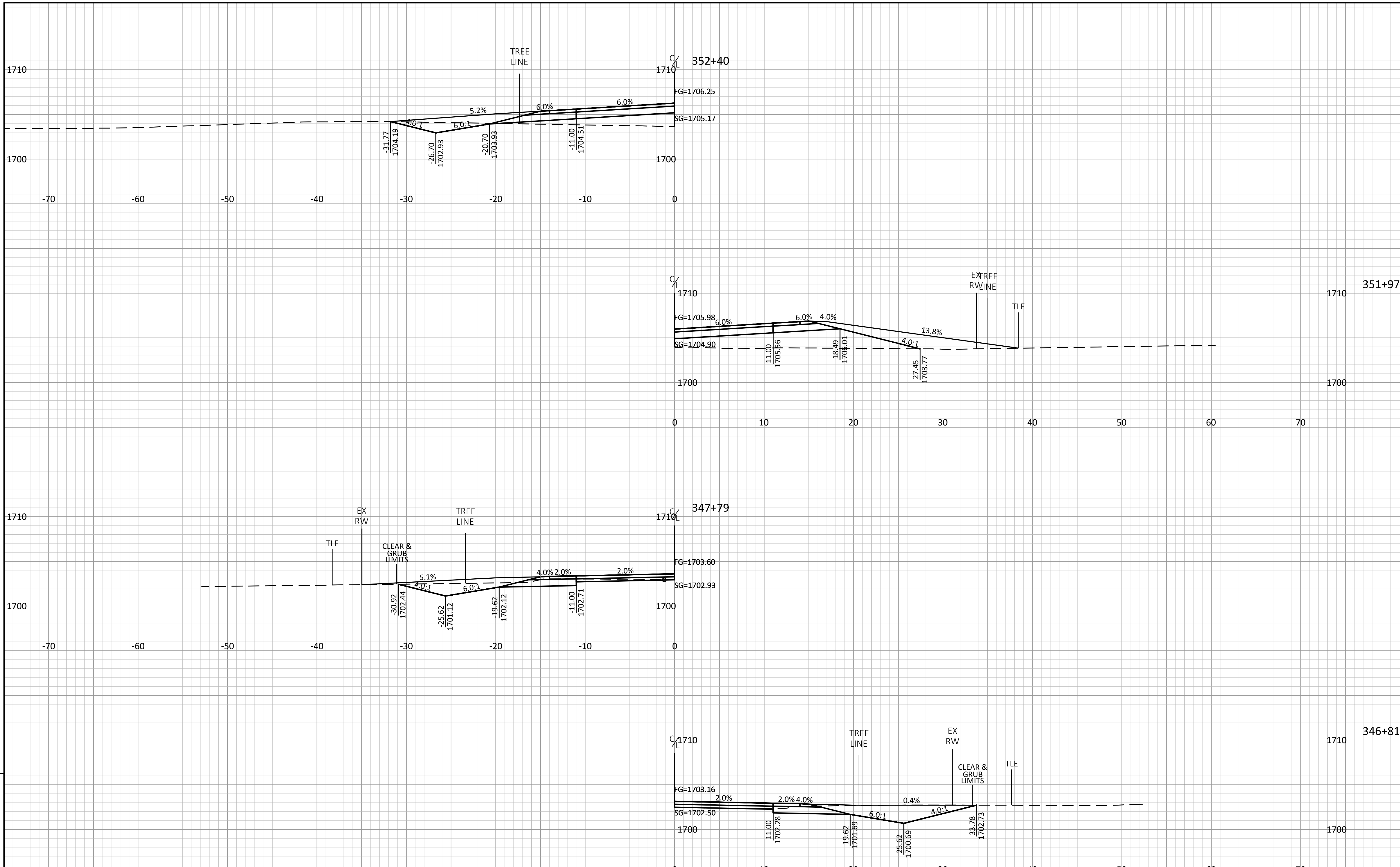
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 192	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:14:12 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.98 CROSS SECTIONS DRIVEWAY PROFILES



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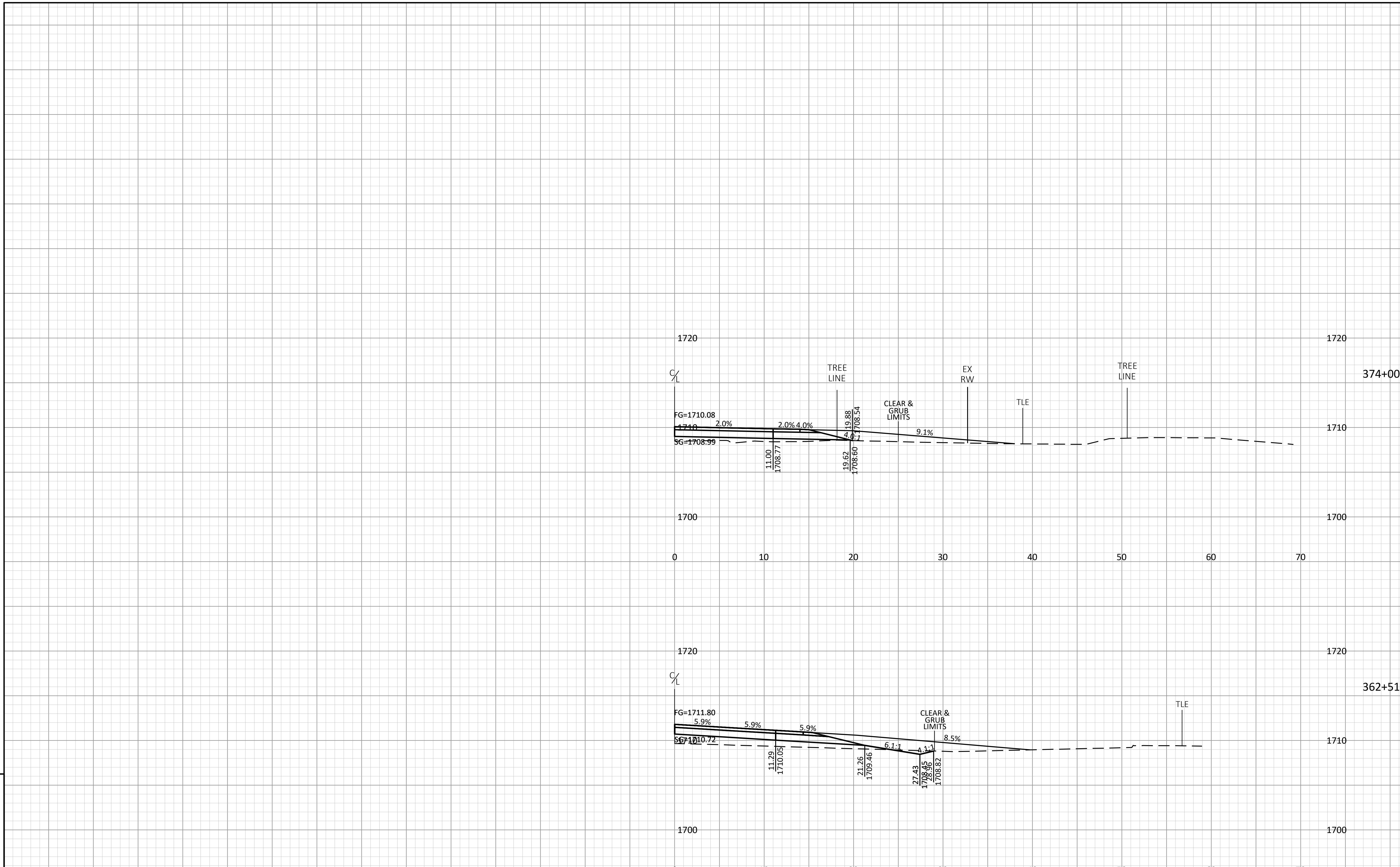
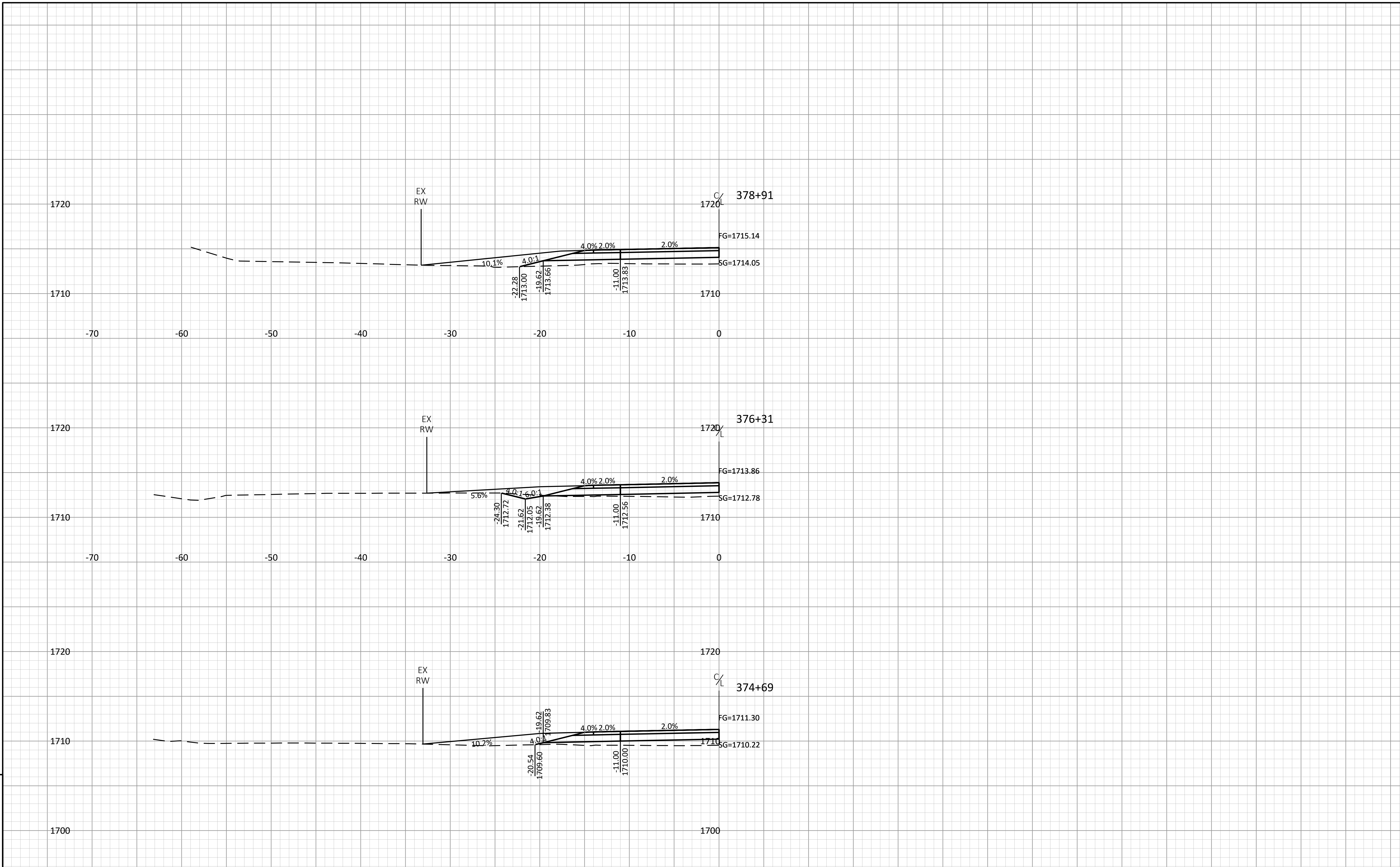
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 193	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:14:18 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.99 CROSS SECTIONS DRIVEWAY PROFILES



PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 194	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:14:22 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.100 CROSS SECTIONS DRIVEWAY PROFILES



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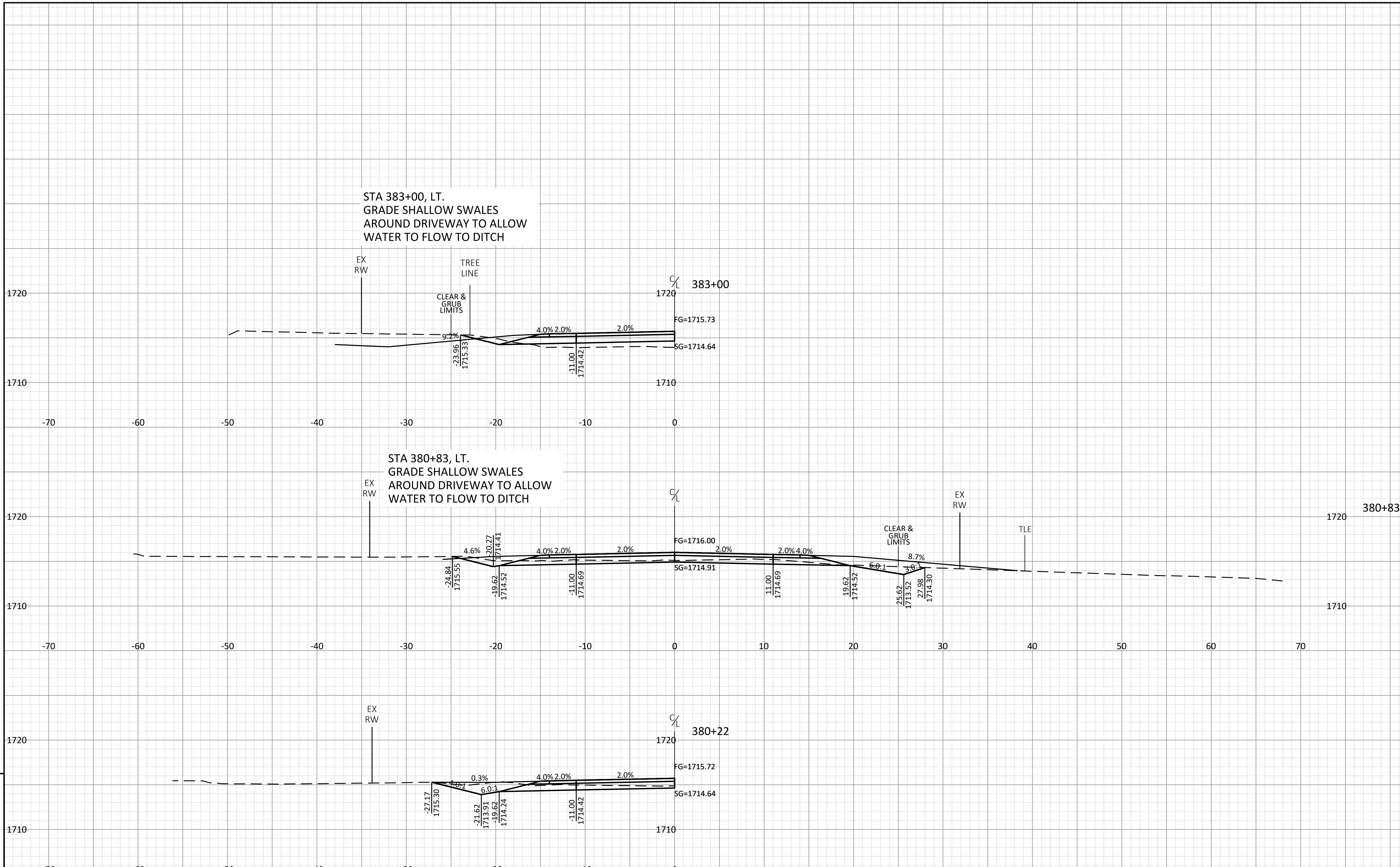
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 195	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:14:27 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.101 CROSS SECTIONS DRIVEWAY PROFILES



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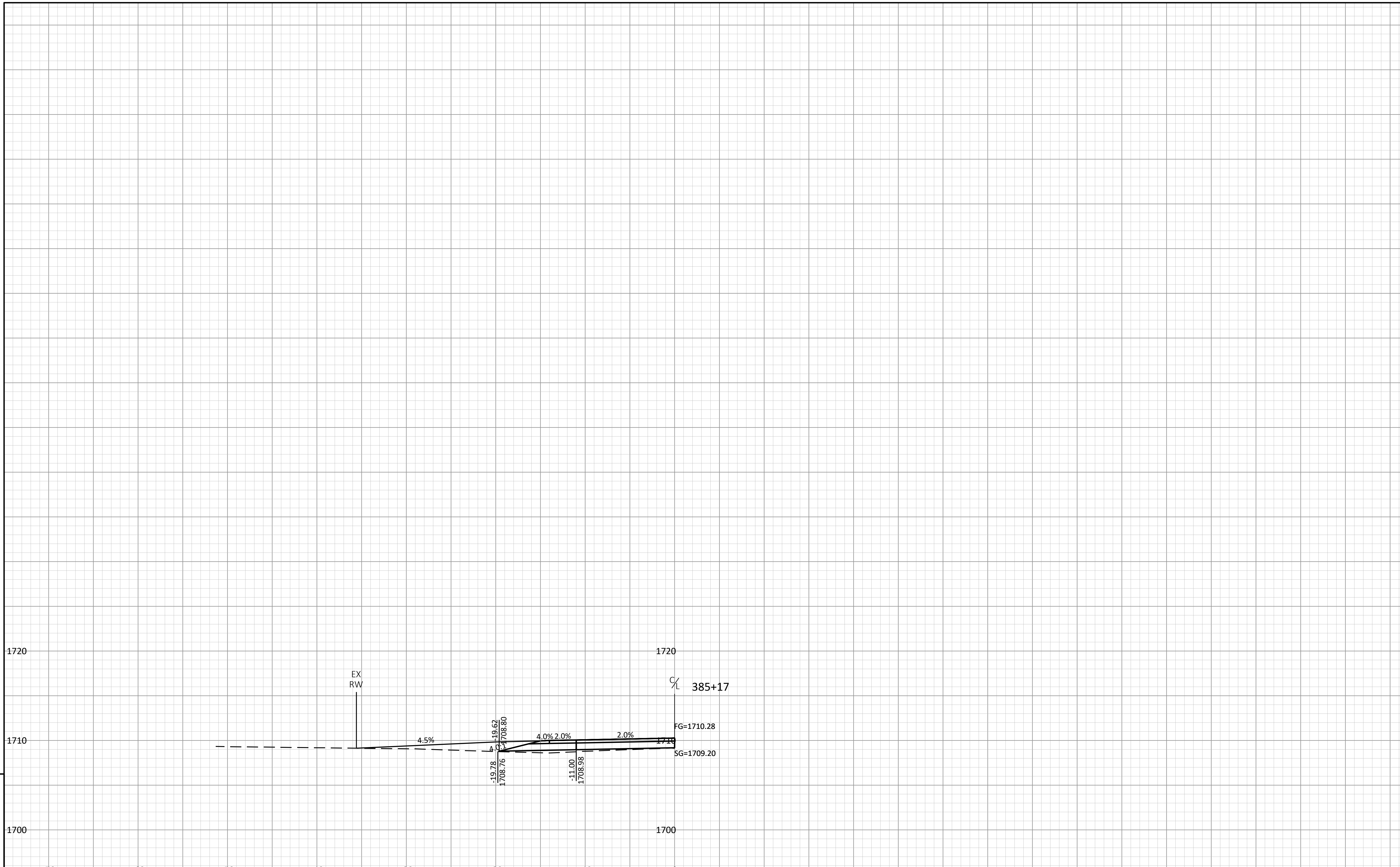
PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 196	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:14:33 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.102 CROSS SECTIONS DRIVEWAY PROFILES



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PROJECT NO: 9513-01-70	HWY: CTH S	COUNTY: VILAS	CROSS SECTIONS: DRIVEWAY PROFILES	SHEET 197	E

FILE NAME : R:\PROJECTS\W11665 WISDOT - CTH S VILAS CO\DESIGN\CORRIDORS\95130100_CRDR_CTH S.DWG PLOT DATE : 8/1/2024 11:14:37 AM PLOT BY : HANNAH BROOKS PLOT SCALE : 1" = 1' LAYOUT : 9.103 CROSS SECTIONS DRIVEWAY PROFILES

Wisconsin Department of Transportation

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through innovation and exceptional service.

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