WIS

PROJECT ID: 6610-04-70

WITH: N/A

COUNTY: MARATHON

MAY 2022

ORDER OF SHEETS

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

TOTAL SHEETS = 350

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

RUDOLPH - KNOWLTON

STH 34 & CTH DB/OLD 51 INTERSECTION

STH 34
MARATHON COUNTY

STATE PROJECT NUMBER
6610-04-70

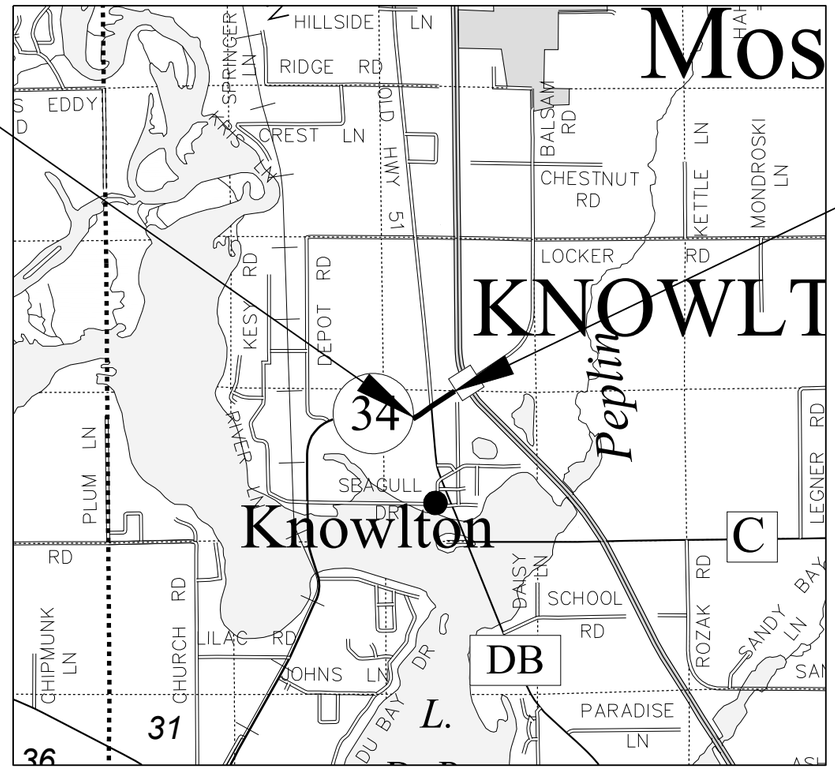
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6610-04-70	WISC 2022406	1





BEGIN PROJECT
STA 8+50NB
X = 266891.457
Y = 116786.363

END PROJECT
STA 25+35NB
X = 268290.453
Y = 117652.346



LAYOUT

SCALE 0 1.0 MI

TOTAL NET LENGTH OF CENTERLINE = 0.319

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

DESIGN DESIGNATION STH 34

A.A.D.T.	2022	=	5,700
A.A.D.T.	2042	=	6,200
D.H.V.		=	12.4
D.D.		=	60/40
T.		=	28%
DESIGN SPEED		=	60 MPH
ESALS		=	5,250,000

DESIGN DESIGNATION CTH DB / OLD 51

A.A.D.T.	2022	=	1,800 / 920
A.A.D.T.	2042	=	2,100 / 1,100
D.H.V.		=	N/A
D.D.		=	N/A
T.		=	25% / 12%
DESIGN SPEED		=	50 MPH
ESALS		=	5,250,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NC REGION
Designer	ERIN CHRISTIANSON
Project Manager	MARK STEIDL
Regional Examiner	ZACK GRULING
Regional Supervisor	NICHOLE LYSNE

APPROVED FOR THE DEPARTMENT

DATE: 2/1/2022 (Signature)

E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\010101_TI.DWG PLOT DATE : 1/31/2022 3:56 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

2

GENERAL NOTES

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

TOPSOIL SHALL BE PLACED 1" BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS.

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.

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS.
REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

UTILITIES

TDS - COMMUNICATION LINE
JEFF OLSON
171 PAOLI ROAD
VERONA, WI 53593
PHONE: (608) 845-2219 WORK
PHONE: (608) 444-6208 MOBILE
E-MAIL: Jeffrey.olson@tdstelecom.com

WISCONSIN PUBLIC SERVICE CORP - ELECTRICTY
JESSE PATTEN
1700 SHERMAN STREET
PO BOX 1166
WAUSAU, WI 54402-1166
PHONE: (715) 848-7405 WORK
PHONE: (715) 573-0349 MOBILE
E-MAIL: Jesse.Patten@wisconsinpublicservice.com

WISCONSIN PUBLIC SERVICE CORP - GAS/PETROLEUM
SHANE SARKKINEN
1700 SHERMAN STEET
WAUSAU, WI 54402
PHONE: (715) 848-7387 WORK
PHONE: (715) 966-1040 MOBILE
E-MAIL: shane.sarkkinen@wisconsinpublicservice.com

DNR

CASEY JONES
473 GRIFFITH AVENUE
WISCONSIN RAPIDS, WI 54494
PHONE: (715) 213-6571 CELL
E-MAIL: casey.jones@wisconsin.gov

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

RUNOFF COEFFICIENT TABLE

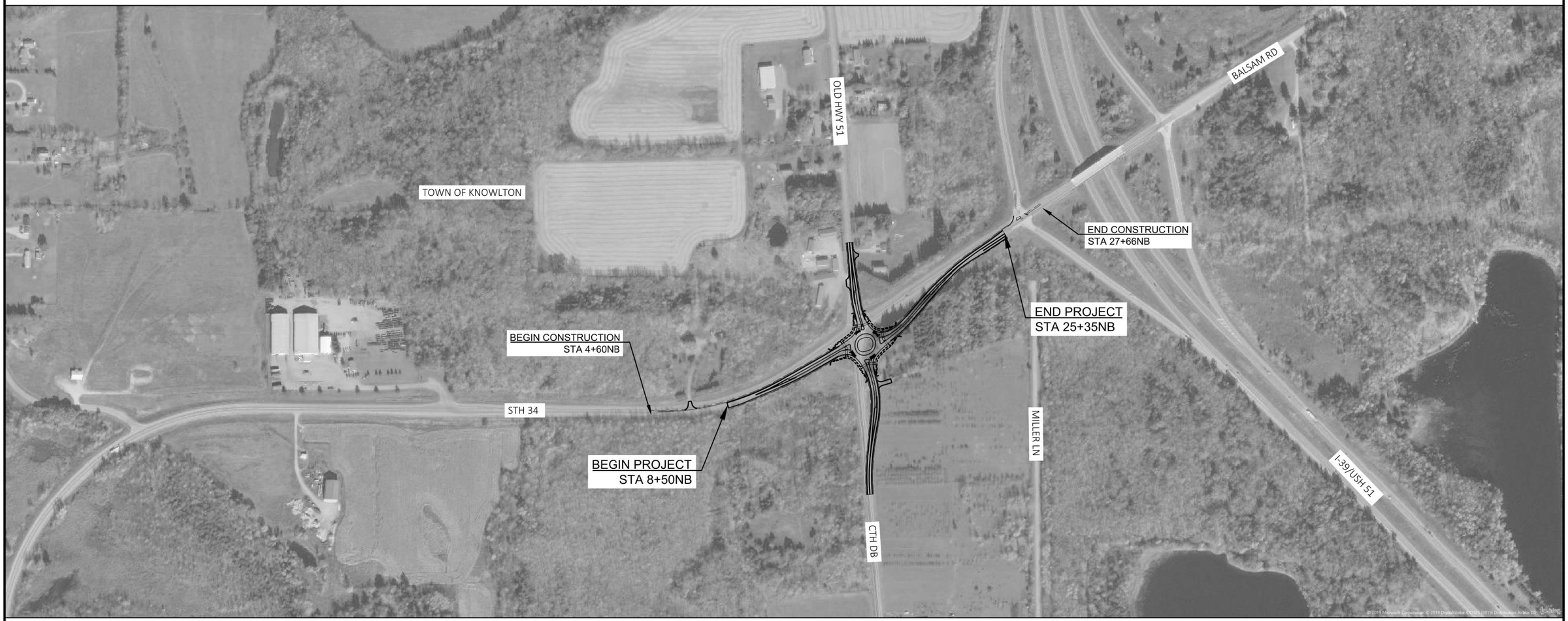
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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 = 13.063 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 8.816 ACRES

2

2

N



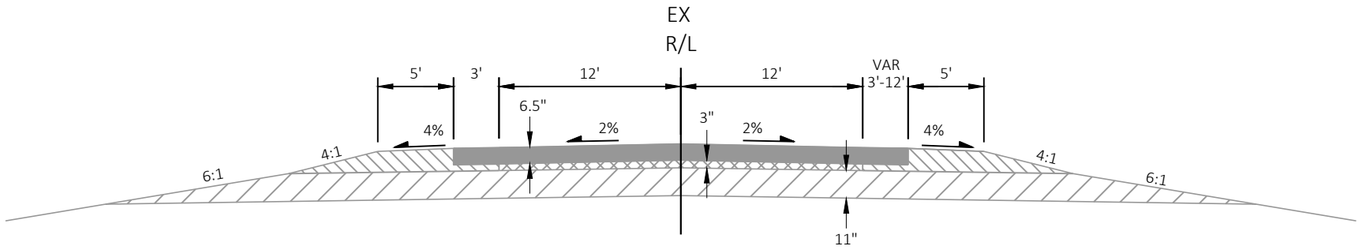
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 01-po

PLOT DATE : 1/31/2022 3:57 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:500 FT

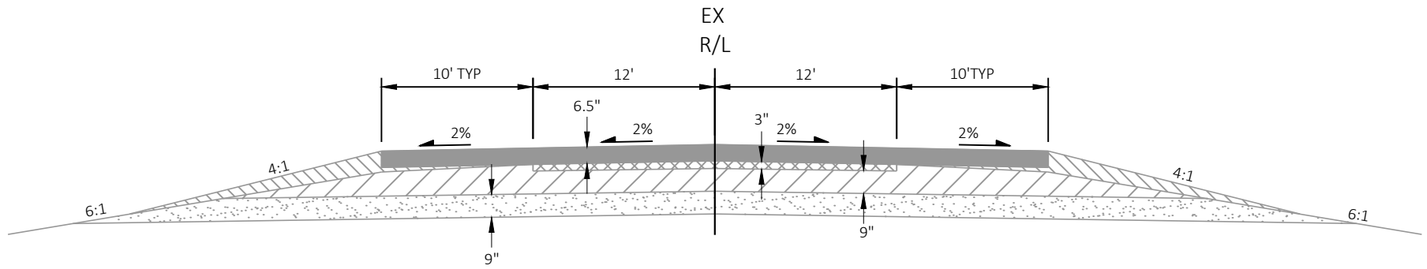
WISDOT/CADDS SHEET 42

2



EXISTING STH 34 TYPICAL SECTION

STA 29+00EX TO STA 43+51.27EX
(SEE PLAN AND PROFILE: TEMPORARY ROAD 'T' LINE)



EXISTING STH 34 TYPICAL SECTION

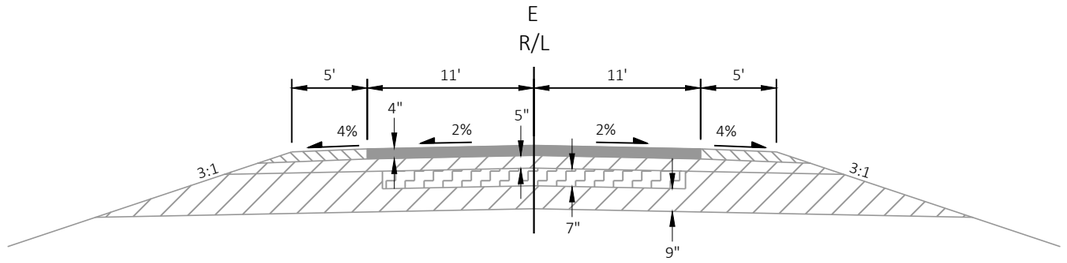
STA 43+51.27EX TO STA 63+16.27EX
(SEE PLAN AND PROFILE: TEMPORARY ROAD 'T' LINE)

LEGEND

- EXISTING HMA PAVEMENT
- EXISTING RECYCLED ASPHALTIC SURFACE
- EXISTING RUBBLIZED CONCRETE
- EXISTING CRUSHED AGGREGATE BASE COURSE
- EXISTING CRUSHED AGGREGATE BASE COURSE (SHOULDER)
- EXISTING GRANULAR SUBBASE COURSE

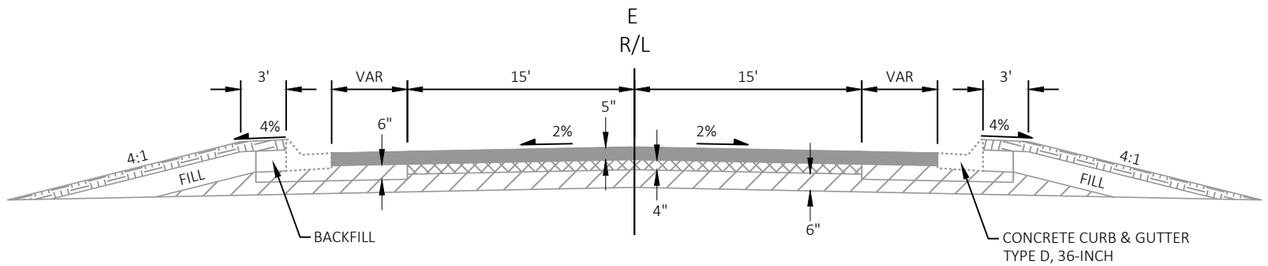
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 4	E

2



EXISTING CTH DB & OLD HWY 51 TYPICAL SECTION

STA 167+50E TO STA 174+65E
STA 176+83E TO STA 180+50E



EXISTING CTH DB & OLD HWY 51 TYPICAL SECTION

STA 174+65E TO STA 176+83E

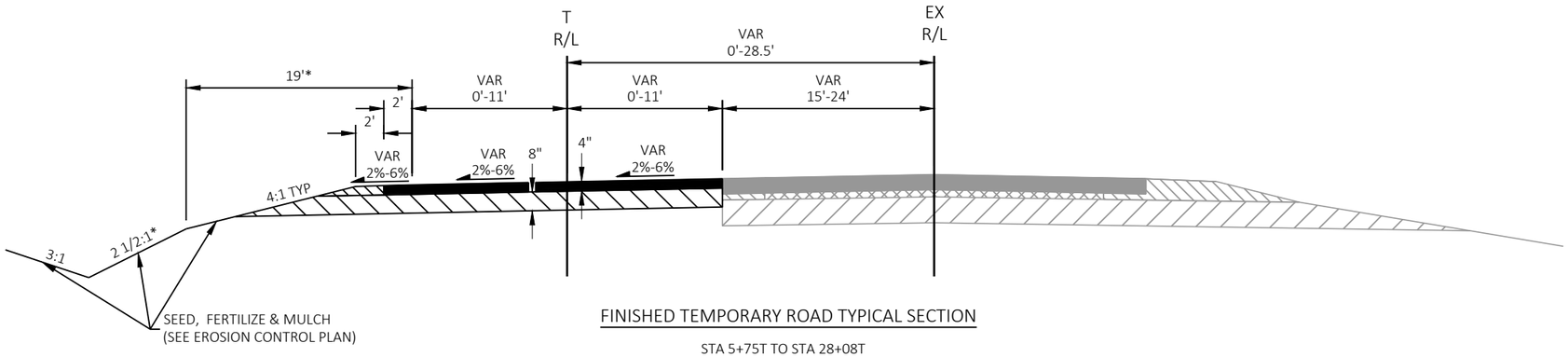
LEGEND

- EXISTING HMA PAVEMENT
- EXISTING RECYCLED ASPHALTIC SURFACE
- EXISTING RUBBLIZED CONCRETE
- EXISTING CRUSHED AGGREGATE BASE COURSE
- EXISTING CRUSHED AGGREGATE BASE COURSE (SHOULDER)
- EXISTING GROUND

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 5	E

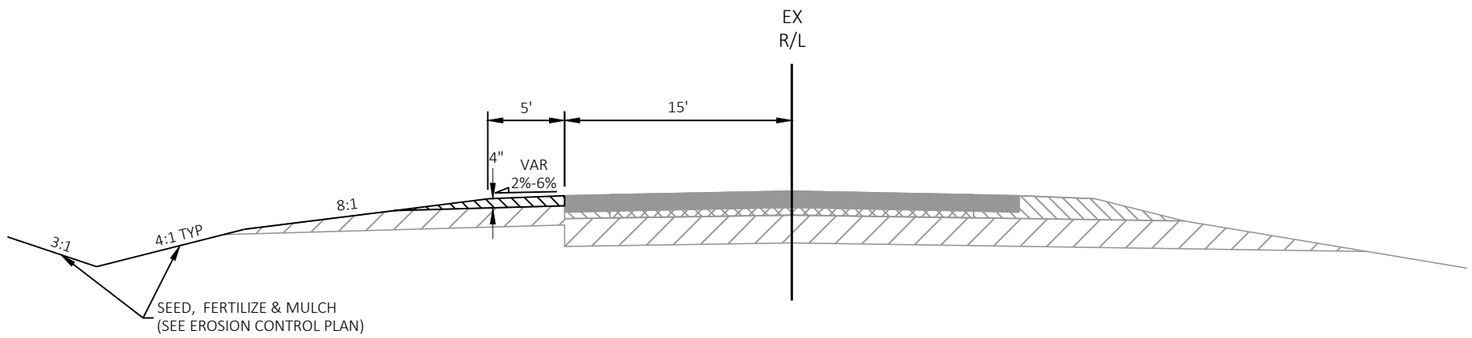
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LAYOUT NAME - 02_ts
PLOT DATE : 1/31/2022 3:57 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



FINISHED TEMPORARY ROAD TYPICAL SECTION

STA 5+75T TO STA 28+08T



FINISHED TEMPORARY ROAD REMOVAL TYPICAL SECTION

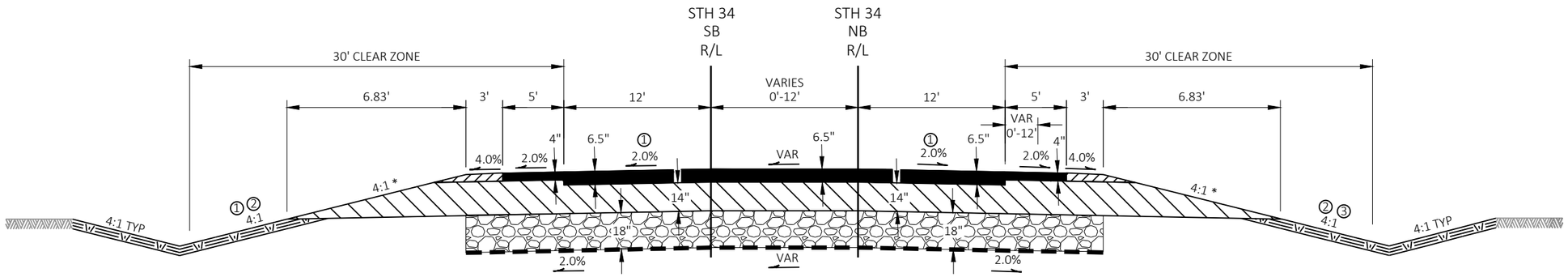
STA 5+00T TO STA 8+50NB
STA 25+35NB TO STA 28+08NB

LEGEND

- EXISTING HMA PAVEMENT
- EXISTING RECYCLED ASPHALTIC SURFACE
- EXISTING CRUSHED AGGREGATE BASE COURSE
- EXISTING CRUSHED AGGREGATE BASE COURSE (SHOULDER)
- BASE AGGREGATE DENSE COURSE, 3/4-INCH (SHOULDER)
- BASE AGGREGATE DENSE COURSE, 1 1/4-INCH
- ASPHALTIC SURFACE TEMPORARY

* WHEN INSLOPE FILL HEIGHT EXCEEDS 6 FT

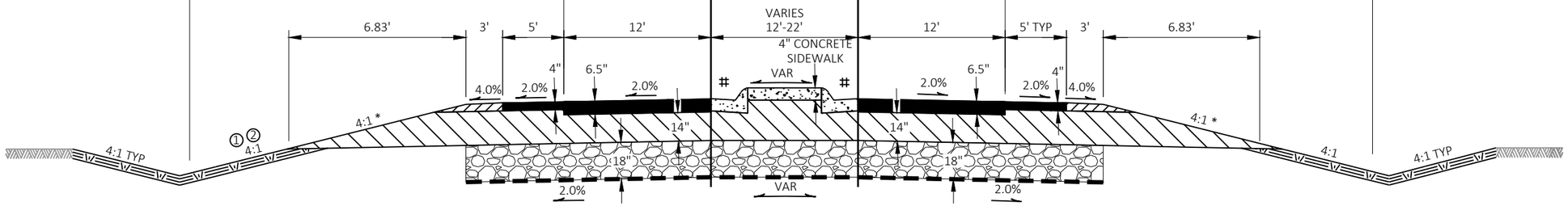
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 6	E



FINISHED TYPICAL SECTION STH 34

STA 98+50SB TO STA 101+82SB ① ②
STA 110+38SB TO STA 115+26SB ①

STA 8+50NB TO STA 11+82NB ① ②
STA 20+49NB TO STA 25+36NB ③



FINISHED TYPICAL SECTION STH 34

STA 101+82SB TO STA 104+49SB ②
STA 107+95SB TO STA 110+38SB ①

STA 11+82NB TO STA 14+17NB
STA 17+80NB TO STA 20+49NB

① SLOPE VARIES (SEE CROSS SECTIONS)

② 8:1

③ VARIES 3:1 TO 6:1

* SEED AND FERTILIZE SHOULDER FORESLOPE

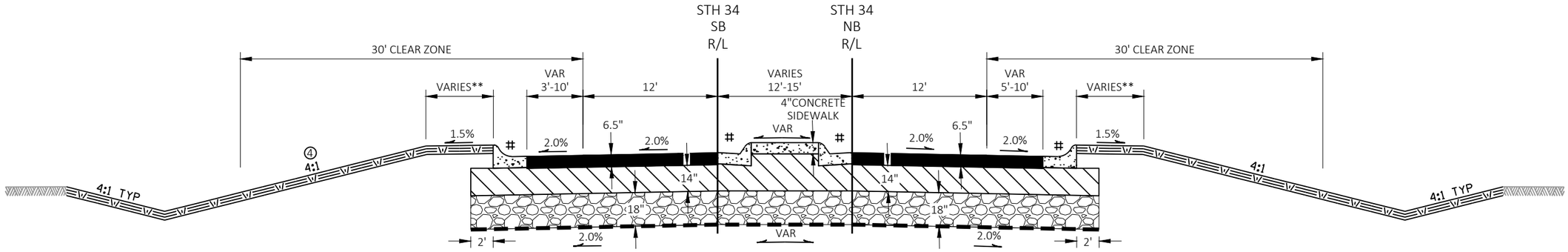
\# SEE PLAN DETAILS SHEET FOR CURB AND GUTTER TYPES

LEGEND

- BASE AGGREGATE DENSE 3/4-INCH (SHOULDER)
- BASE AGGREGATE DENSE 1 1/4-INCH
- BREAKER RUN
- HMA PAVEMENT
  2 LOWER LAYER 2.25" OF 3 HT 58-28 S
  1 UPPER LAYER 2" OF 4 HT 58-28 H
- CONCRETE TRUCK APRON 12-INCH (RED)
- GEOTEXTILE FABRIC TYPE SAS
- PAVEMENT TIE REQUIRED
- TOPSOIL, SEED, FERTILIZER AND MULCH OR E-MAT
- EXISTING GROUND

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 7	E

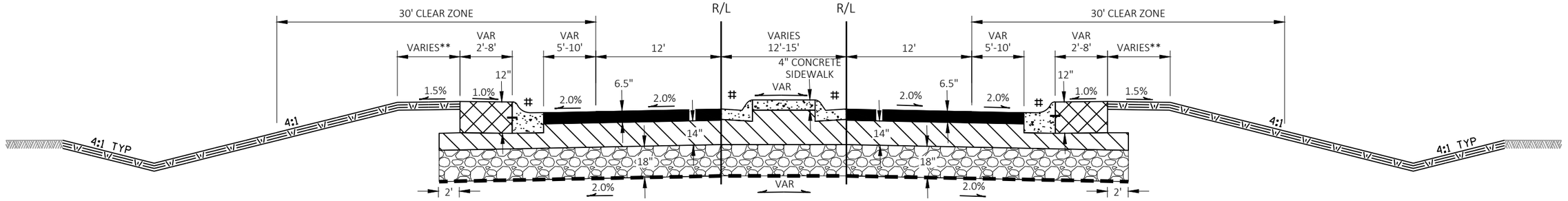
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LAYOUT NAME - 04_ts
PLOT DATE : 1/31/2022 3:57 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION STH 34

STA 104+49SB TO STA 105+40SB ④
STA 106+91SB TO STA 106+97SB
STA 107+65SB TO STA 107+95SB

STA 14+17NB TO STA 14+64NB
STA 15+28NB TO STA 15+34NB
STA 16+89NB TO STA 17+80NB



FINISHED TYPICAL SECTION STH 34

STA 106+97SB TO STA 107+65SB

STA 14+64NB TO STA 15+28NB

LEGEND

- BASE AGGREGATE DENSE 3/4-INCH (SHOULDER)
- BASE AGGREGATE DENSE 1 1/4-INCH
- BREAKER RUN
- HMA PAVEMENT
  2 LOWER LAYER 2.25" OF 3 HT 58-28 S
  1 UPPER LAYER 2" OF 4 HT 58-28 H
- CONCRETE TRUCK APRON 12-INCH (RED)
- GEOTEXTILE FABRIC TYPE SAS
- PAVEMENT TIE REQUIRED
- TOPSOIL, SEED, FERTILIZER AND MULCH OR E-MAT
- EXISTING GROUND

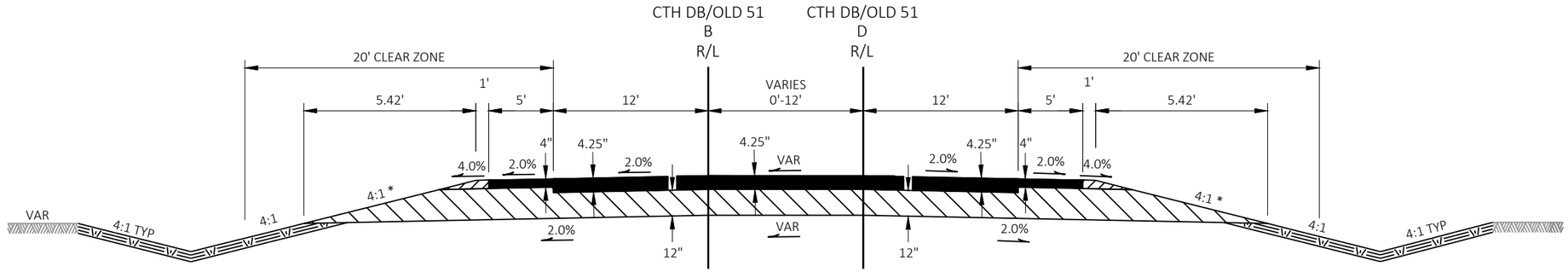
④ 6:1

* SEED AND FERTILIZE SHOULDER FORESLOPE

** WIDENING FOR FUTURE OFF-STREET BIKE AND PEDESTRIAN ACCOMMODATIONS

SEE PLAN DETAILS SHEET FOR CURB AND GUTTER TYPES

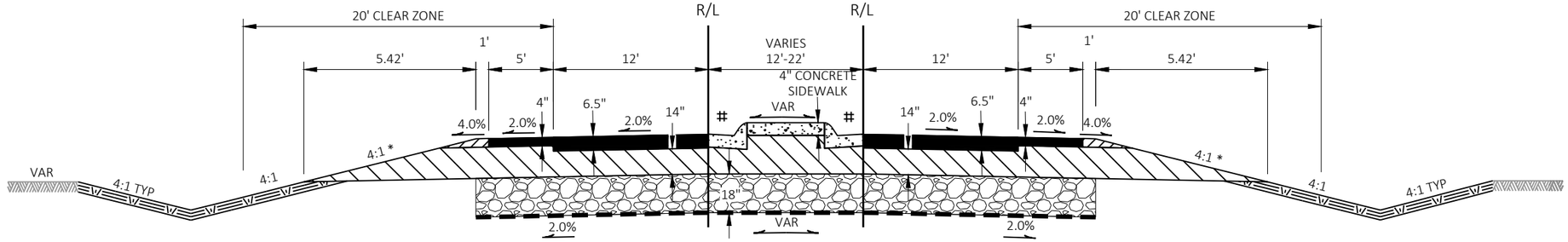
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 8	E



FINISHED TYPICAL SECTION CTH DB & OLD HWY 51

STA 500+00B TO STA 504+38B
STA 510+45B TO STA 512+89B
2.25" LOWER LAYER 3 HT 58-28 S
2" UPPER LAYER 4 HT 58-28 H

STA 50+00D TO STA 54+39D
STA 60+45D TO STA 62+90D
2.25" LOWER LAYER 3 HT 58-28 S
2" UPPER LAYER 4 HT 58-28 H



FINISHED TYPICAL SECTION CTH DB & OLD HWY 51

STA 504+38B TO STA 505+93B
STA 509+32B TO STA 510+45B
2-2.25" LOWER LAYER 3 HT 58-28 S
2" UPPER LAYER 4 HT 58-28 H

STA 54+39D TO STA 56+01D
STA 59+31D TO STA 60+45D
2-2.25" LOWER LAYER 3 HT 58-28 S
2" UPPER LAYER 4 HT 58-28 H

LEGEND

- BASE AGGREGATE DENSE 3/4-INCH (SHOULDER)
- BASE AGGREGATE DENSE 1 1/4-INCH
- HMA PAVEMENT
- CONCRETE TRUCK APRON 12-INCH (RED)
- GEOTEXTILE FABRIC TYPE SAS
- PAVEMENT TIE REQUIRED
- TOPSOIL, SEED, FERTILIZER AND MULCH OR E-MAT
- EXISTING GROUND

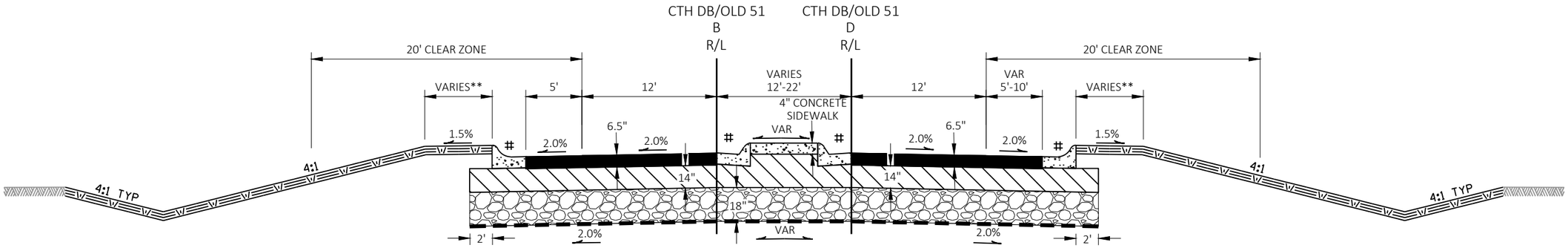
* SEED AND FERTILIZE SHOULDER FORESLOPE

** WIDENING FOR FUTURE OFF-STREET BIKE AND PEDESTRIAN ACCOMMODATIONS

\# SEE PLAN DETAILS SHEET FOR CURB AND GUTTER TYPES

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 9	E

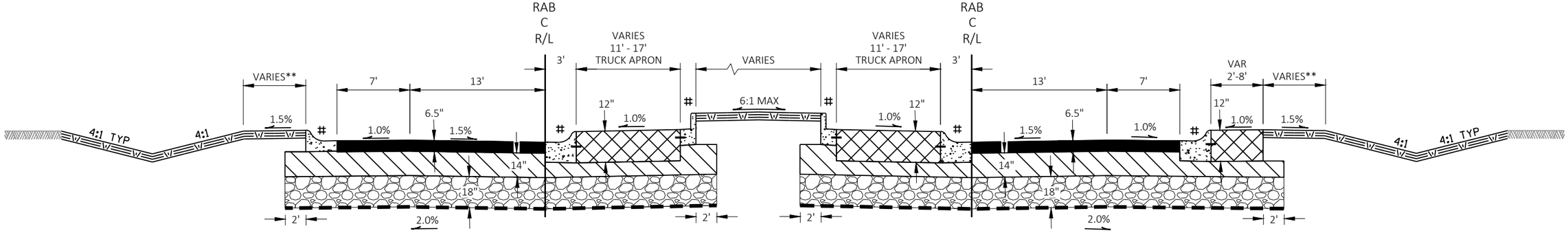
2



FINISHED TYPICAL SECTION CTH DB & OLD HWY 51

STA 505+93B TO STA 506+87B
STA 508+42B TO STA 509+32B
2-2.25" LOWER LAYER 3 HT 58-28 S
2" UPPER LAYER 4 HT 58-28 H

STA 56+01D TO STA 56+91D
STA 58+45D TO STA 59+31D
2-2.25" LOWER LAYER 3 HT 58-28 S
2" UPPER LAYER 4 HT 58-28 H



FINISHED TYPICAL SECTION - ROUNDABOUT

STA 1+00C TO STA 4+46C

LEGEND

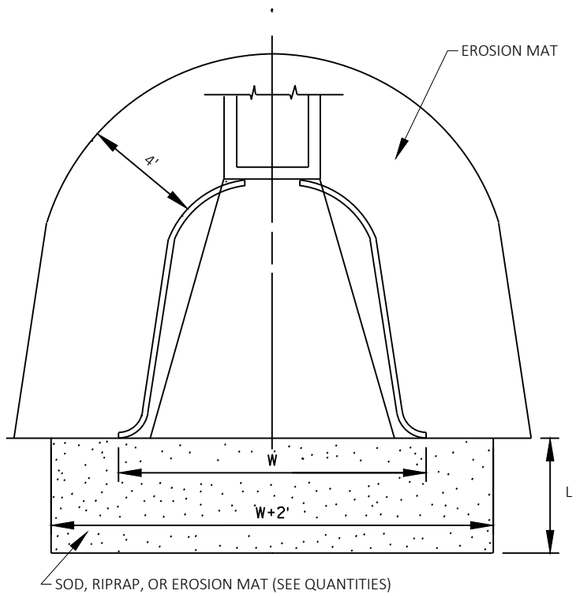
- BASE AGGREGATE DENSE 3/4-INCH (SHOULDER)
- BASE AGGREGATE DENSE 1 1/4-INCH
- BREAKER RUN
- HMA PAVEMENT
  2 LOWER LAYER 2.25" OF 3 HT 58-28 S
  1 UPPER LAYER 2" OF 4 HT 58-28 H
- CONCRETE TRUCK APRON 12-INCH (RED)
- GEOTEXTILE FABRIC TYPE SAS
- PAVEMENT TIE REQUIRED
- TOPSOIL, SEED, FERTILIZER AND MULCH OR E-MAT
- EXISTING GROUND

* SEED AND FERTILIZE SHOULDER FORESLOPE

** WIDENING FOR FUTURE OFF-STREET BIKE AND PEDESTRIAN ACCOMMODATIONS

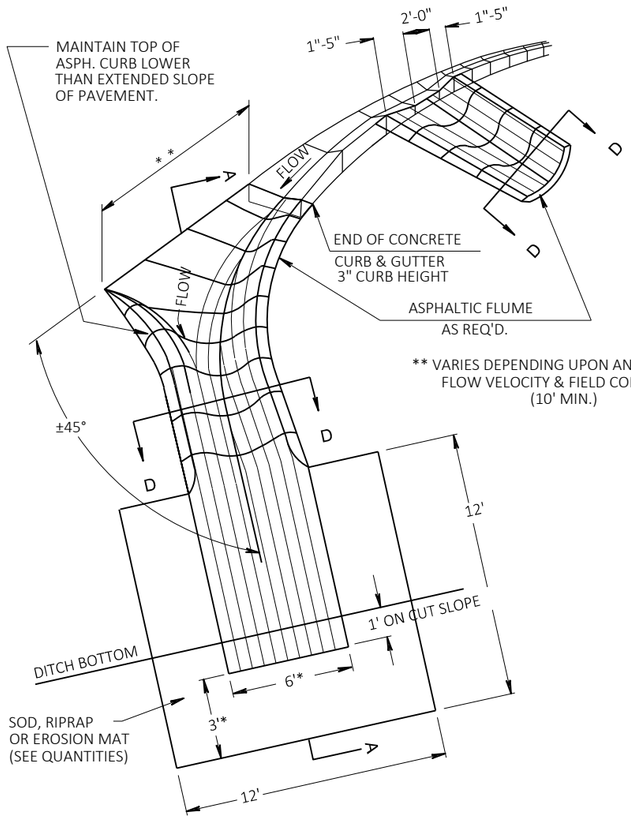
\# SEE PLAN DETAILS SHEET FOR CURB AND GUTTER TYPES

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 10	E

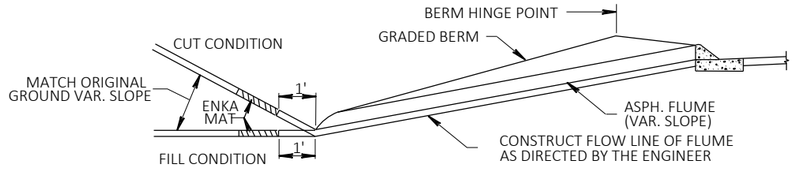


EROSION CONTROL AT PIPE ENDS

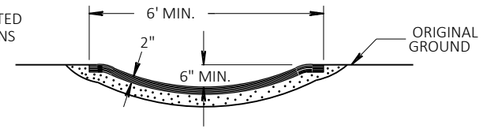
L = 3 TIMES DIAMETER OR 10' MIN.
INCREASE IF WARRANTED



** VARIES DEPENDING UPON ANTICIPATED FLOW VELOCITY & FIELD CONDITIONS (10' MIN.)

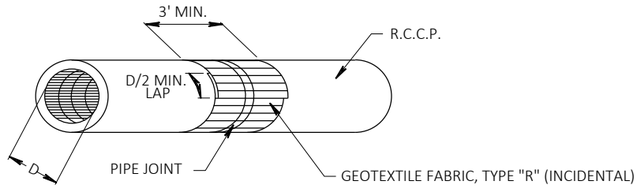


SECTION A-A



SECTION D-D

ASPHALTIC FLUME DETAIL AT RURAL INTERSECTIONS

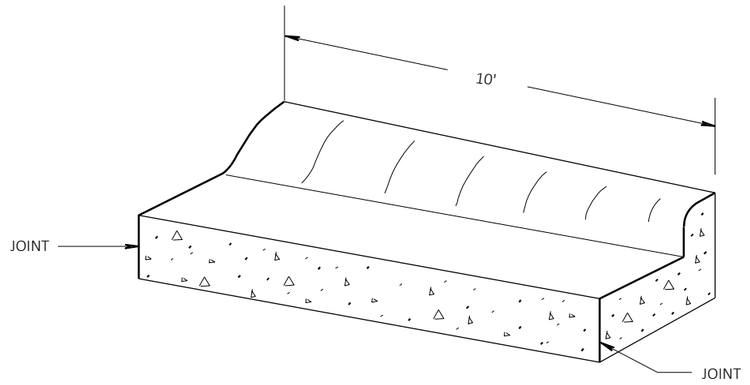


GEOTEXTILE FABRIC REQUIRED FOR PIPE JOINTS

PIPE DIA. (IN.)	PIPE O.D. (IN.)	FABRIC/JOINT (S.Y.)
18	23	2.3
21	26.5	2.6
24	30	3.0
27	33.5	3.3
30	37	3.6
36	44	4.3
42	51	5.0
48	58	5.7
54	65	6.4
60	72	7.1
66	79	7.8
72	86	8.5

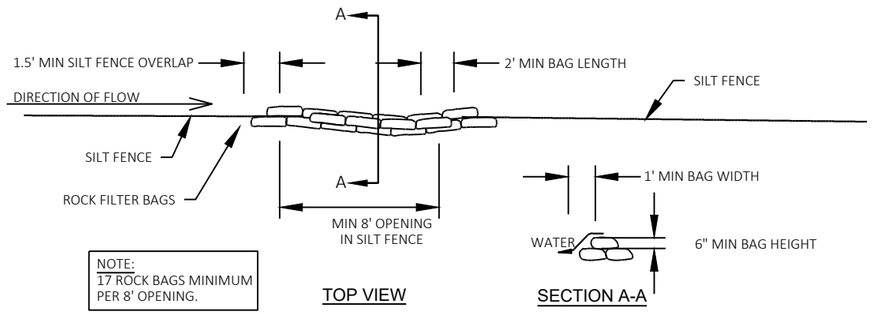
DETAIL OF WRAPPED PIPE JOINT

WRAP ALL JOINTS

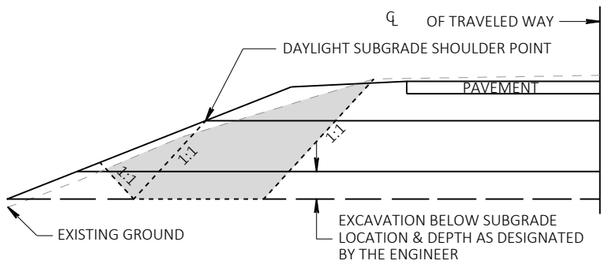


TRANSITION DETAIL

36" TYPE "A" CURB & GUTTER TO 30" TYPE "A" CURB & GUTTER
(TO BE MEASURED & PAID FOR AS 36" CONC. C&G)

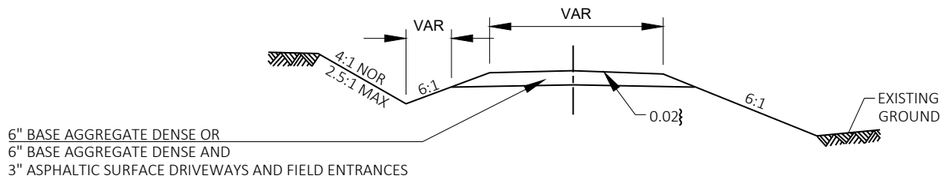


ROCK BAGS USED FOR SILT FENCE RELIEF

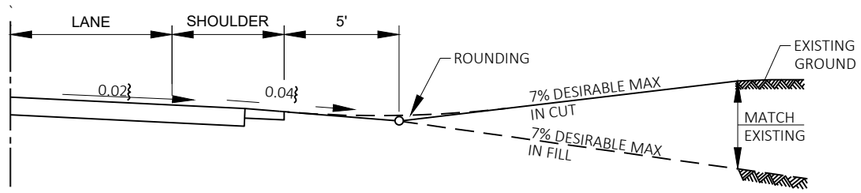


DETAIL FOR EXCAVATION BELOW SUBGRADE

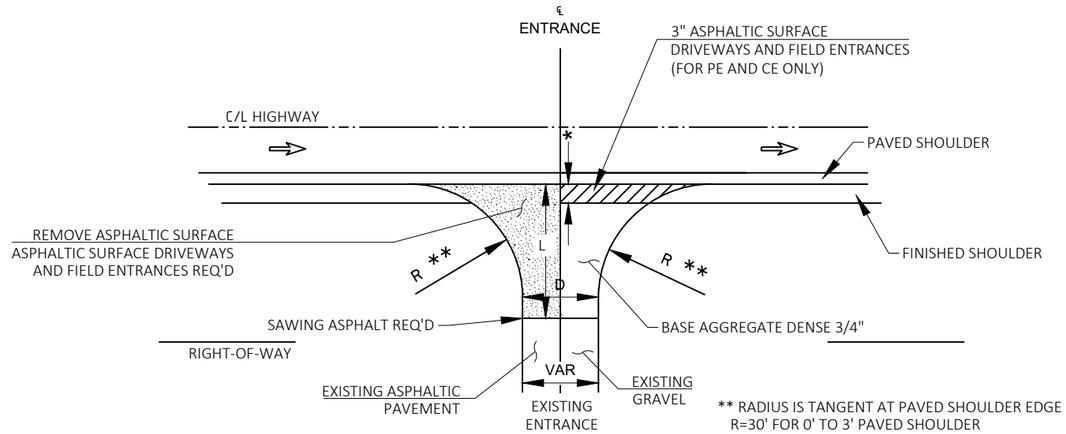
PAID FOR AS MARSH EXCAVATION



TYPICAL CROSS SECTION



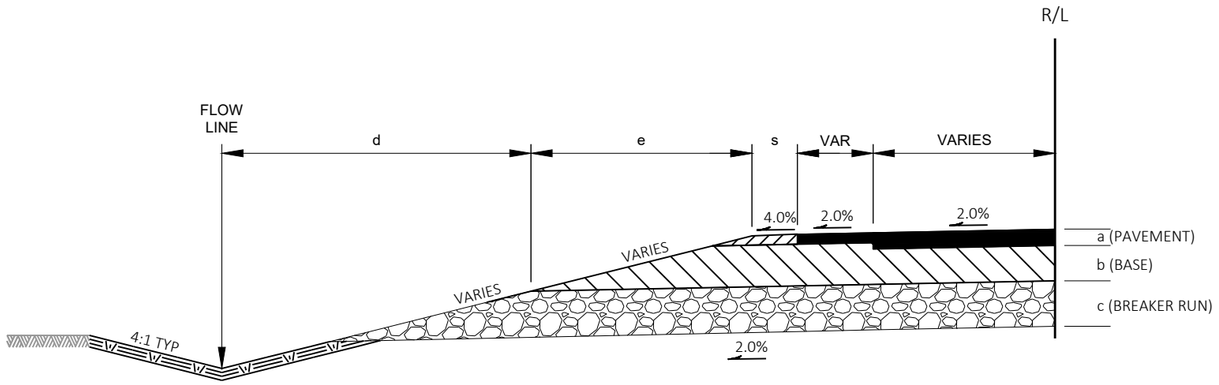
TYPICAL PROFILE VIEW



PLAN VIEW

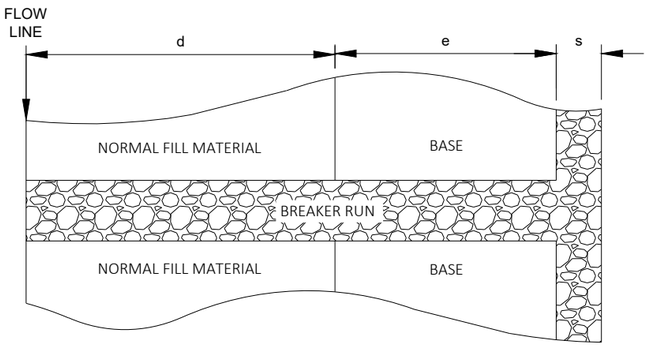
RURAL DRIVEWAY INTERSECTION (PE, FE & CE)

(FOR NEW CONSTRUCTION)



RELIEF TRENCH DETAIL PROFILE VIEW
THROUGH BREAKER RUN

SEE TYPICAL DETAILS FOR MORE INFORMATION

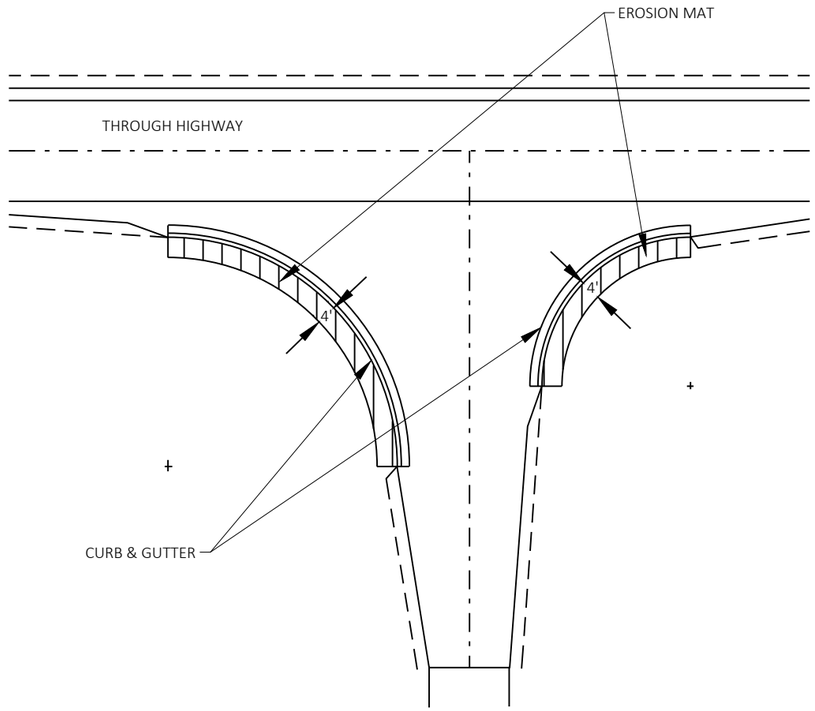


RELIEF TRENCH DETAIL PLAN VIEW

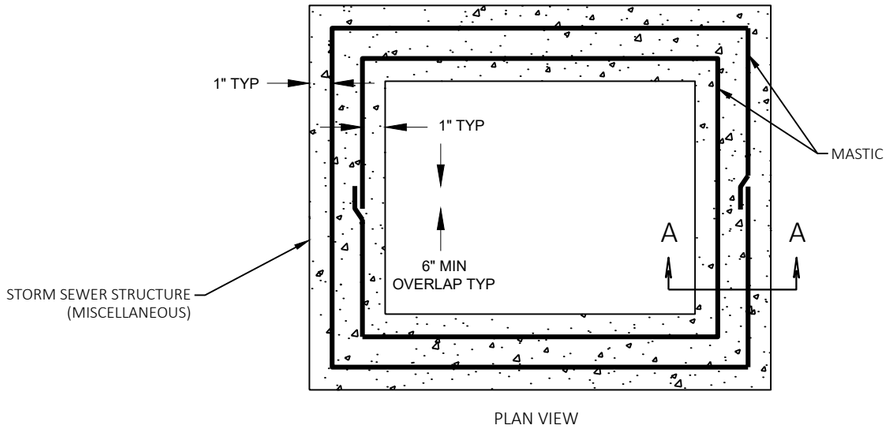
CONSTRUCT RELIEF TRENCH AT
SAG POINTS OR EVERY 250 FEET
(OR AS DIRECTED BY ENGINEER)

RELIEF TRENCH DETAIL

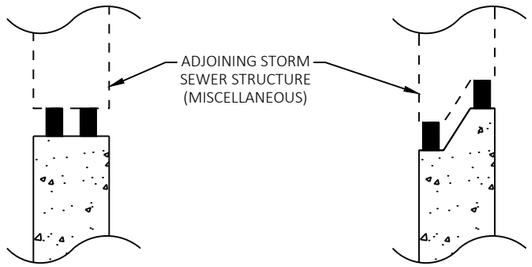
STA 10+00NB	STA 100+00SB
STA 12+50NB	STA 102+50SB
STA 15+00NB	STA 105+00SB
STA 17+00NB	STA 107+00SB
STA 18+70NB	STA 108+50SB
STA 21+50NB	STA 111+50SB
STA 54+50D	STA 504+60B
STA 56+75D	STA 506+75B
STA 59+60D	STA 509+60B



EROSION MAT DETAIL AT RURAL INTERSECTIONS



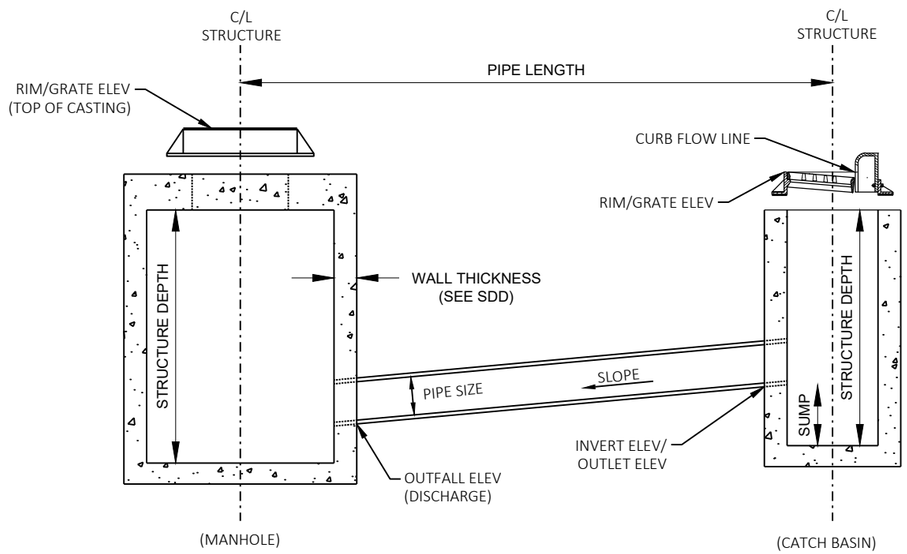
PLAN VIEW



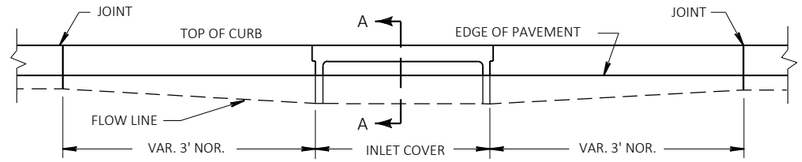
SECTION A-A

SECTION A-A
(ALTERNATE)

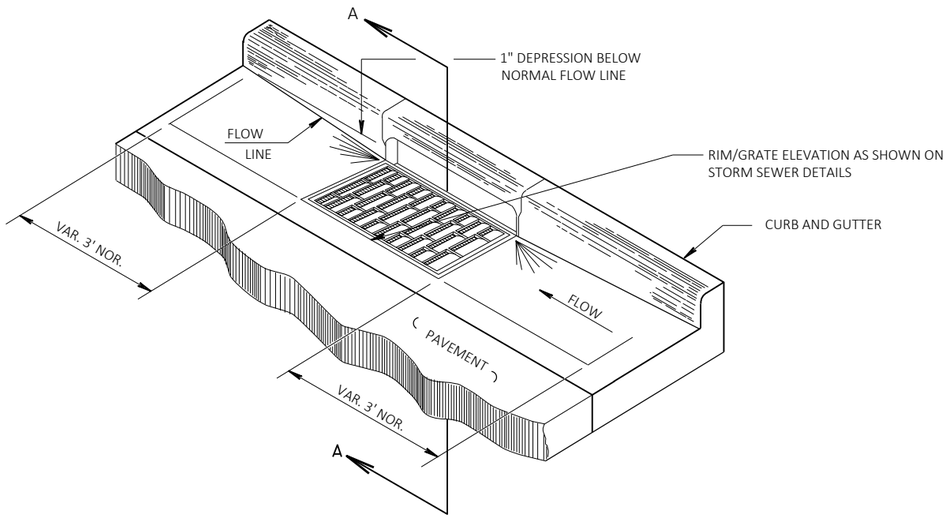
MASTIC CONNECTION DETAIL

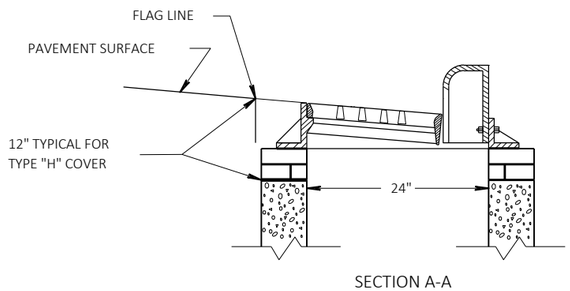


STORM SEWER MEASUREMENT DETAIL



ELEVATION

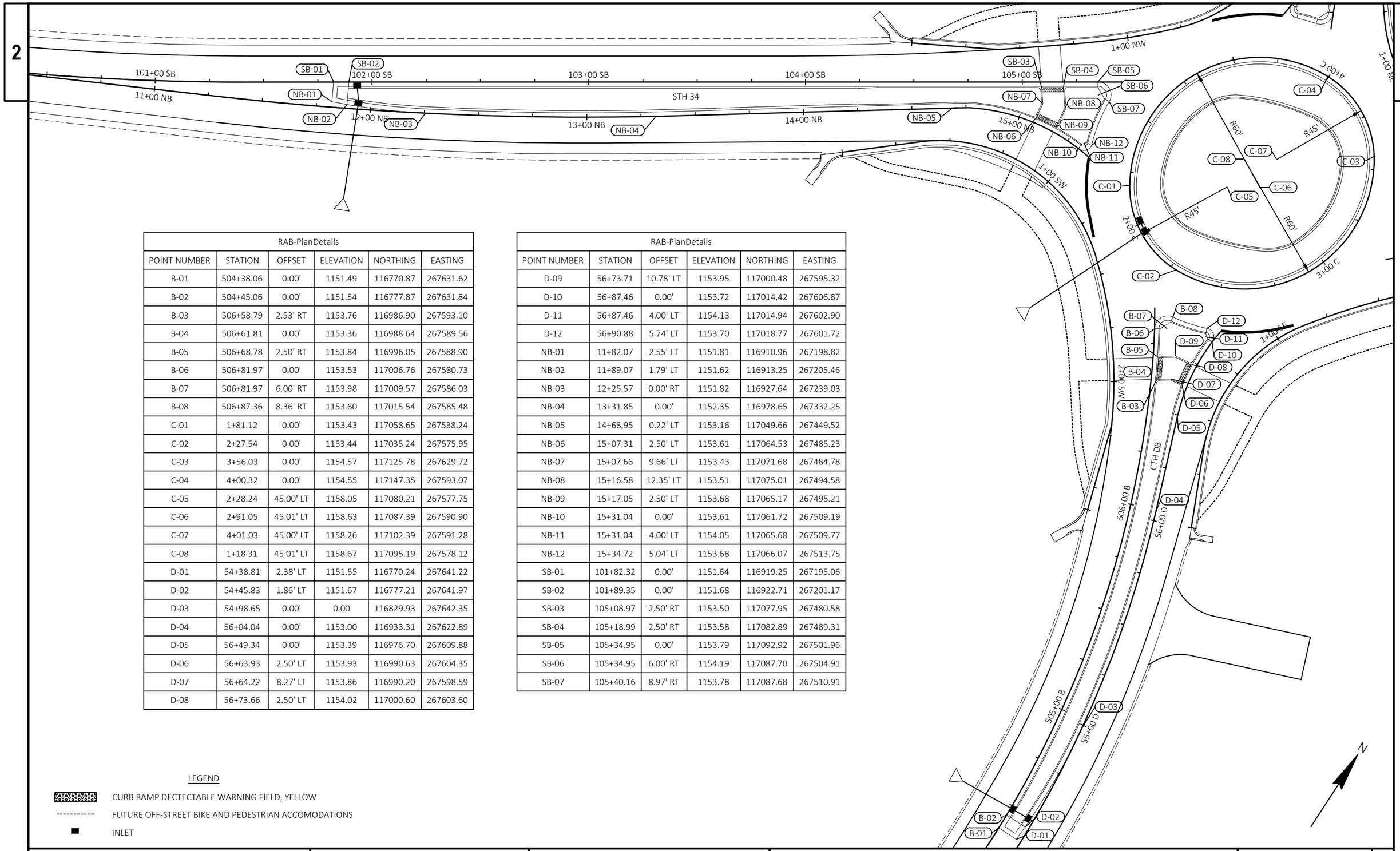




SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

(INLETS 2x2-FT SHOWN)



RAB-PlanDetails					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
B-01	504+38.06	0.00'	1151.49	116770.87	267631.62
B-02	504+45.06	0.00'	1151.54	116777.87	267631.84
B-03	506+58.79	2.53' RT	1153.76	116986.90	267593.10
B-04	506+61.81	0.00'	1153.36	116988.64	267589.56
B-05	506+68.78	2.50' RT	1153.84	116996.05	267588.90
B-06	506+81.97	0.00'	1153.53	117006.76	267580.73
B-07	506+81.97	6.00' RT	1153.98	117009.57	267586.03
B-08	506+87.36	8.36' RT	1153.60	117015.54	267585.48
C-01	1+81.12	0.00'	1153.43	117058.65	267538.24
C-02	2+27.54	0.00'	1153.44	117035.24	267575.95
C-03	3+56.03	0.00'	1154.57	117125.78	267629.72
C-04	4+00.32	0.00'	1154.55	117147.35	267593.07
C-05	2+28.24	45.00' LT	1158.05	117080.21	267577.75
C-06	2+91.05	45.01' LT	1158.63	117087.39	267590.90
C-07	4+01.03	45.00' LT	1158.26	117102.39	267591.28
C-08	1+18.31	45.01' LT	1158.67	117095.19	267578.12
D-01	54+38.81	2.38' LT	1151.55	116770.24	267641.22
D-02	54+45.83	1.86' LT	1151.67	116777.21	267641.97
D-03	54+98.65	0.00'	0.00	116829.93	267642.35
D-04	56+04.04	0.00'	1153.00	116933.31	267622.89
D-05	56+49.34	0.00'	1153.39	116976.70	267609.88
D-06	56+63.93	2.50' LT	1153.93	116990.63	267604.35
D-07	56+64.22	8.27' LT	1153.86	116990.20	267598.59
D-08	56+73.66	2.50' LT	1154.02	117000.60	267603.60

RAB-PlanDetails					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
D-09	56+73.71	10.78' LT	1153.95	117000.48	267595.32
D-10	56+87.46	0.00'	1153.72	117014.42	267606.87
D-11	56+87.46	4.00' LT	1154.13	117014.94	267602.90
D-12	56+90.88	5.74' LT	1153.70	117018.77	267601.72
NB-01	11+82.07	2.55' LT	1151.81	116910.96	267198.82
NB-02	11+89.07	1.79' LT	1151.62	116913.25	267205.46
NB-03	12+25.57	0.00' RT	1151.82	116927.64	267239.03
NB-04	13+31.85	0.00'	1152.35	116978.65	267332.25
NB-05	14+68.95	0.22' LT	1153.16	117049.66	267449.52
NB-06	15+07.31	2.50' LT	1153.61	117064.53	267485.23
NB-07	15+07.66	9.66' LT	1153.43	117071.68	267484.78
NB-08	15+16.58	12.35' LT	1153.51	117075.01	267494.58
NB-09	15+17.05	2.50' LT	1153.68	117065.17	267495.21
NB-10	15+31.04	0.00'	1153.61	117061.72	267509.19
NB-11	15+31.04	4.00' LT	1154.05	117065.68	267509.77
NB-12	15+34.72	5.04' LT	1153.68	117066.07	267513.75
SB-01	101+82.32	0.00'	1151.64	116919.25	267195.06
SB-02	101+89.35	0.00'	1151.68	116922.71	267201.17
SB-03	105+08.97	2.50' RT	1153.50	117077.95	267480.58
SB-04	105+18.99	2.50' RT	1153.58	117082.89	267489.31
SB-05	105+34.95	0.00'	1153.79	117092.92	267501.96
SB-06	105+34.95	6.00' RT	1154.19	117087.70	267504.91
SB-07	105+40.16	8.97' RT	1153.78	117087.68	267510.91

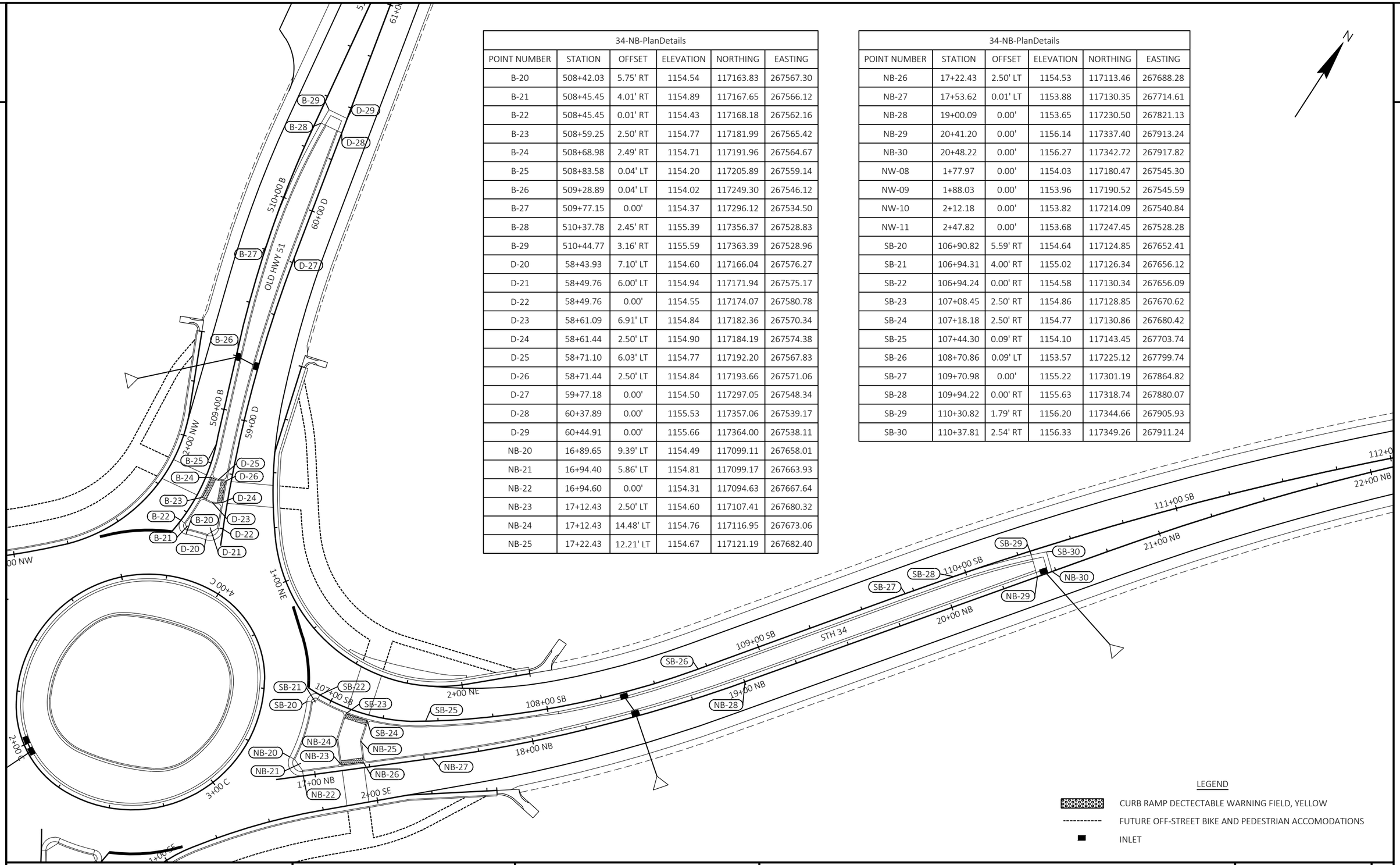
LEGEND

CURB RAMP DECTECTABLE WARNING FIELD, YELLOW

FUTURE OFF-STREET BIKE AND PEDESTRIAN ACCOMODATIONS

INLET

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	INTERSECTION DETAILS	SHEET 15	E



34-NB-PlanDetails					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
B-20	508+42.03	5.75' RT	1154.54	117163.83	267567.30
B-21	508+45.45	4.01' RT	1154.89	117167.65	267566.12
B-22	508+45.45	0.01' RT	1154.43	117168.18	267562.16
B-23	508+59.25	2.50' RT	1154.77	117181.99	267565.42
B-24	508+68.98	2.49' RT	1154.71	117191.96	267564.67
B-25	508+83.58	0.04' LT	1154.20	117205.89	267559.14
B-26	509+28.89	0.04' LT	1154.02	117249.30	267546.12
B-27	509+77.15	0.00'	1154.37	117296.12	267534.50
B-28	510+37.78	2.45' RT	1155.39	117356.37	267528.83
B-29	510+44.77	3.16' RT	1155.59	117363.39	267528.96
D-20	58+43.93	7.10' LT	1154.60	117166.04	267576.27
D-21	58+49.76	6.00' LT	1154.94	117171.94	267575.17
D-22	58+49.76	0.00'	1154.55	117174.07	267580.78
D-23	58+61.09	6.91' LT	1154.84	117182.36	267570.34
D-24	58+61.44	2.50' LT	1154.90	117184.19	267574.38
D-25	58+71.10	6.03' LT	1154.77	117192.20	267567.83
D-26	58+71.44	2.50' LT	1154.84	117193.66	267571.06
D-27	59+77.18	0.00'	1154.50	117297.05	267548.34
D-28	60+37.89	0.00'	1155.53	117357.06	267539.17
D-29	60+44.91	0.00'	1155.66	117364.00	267538.11
NB-20	16+89.65	9.39' LT	1154.49	117099.11	267658.01
NB-21	16+94.40	5.86' LT	1154.81	117099.17	267663.93
NB-22	16+94.60	0.00'	1154.31	117094.63	267667.64
NB-23	17+12.43	2.50' LT	1154.60	117107.41	267680.32
NB-24	17+12.43	14.48' LT	1154.76	117116.95	267673.06
NB-25	17+22.43	12.21' LT	1154.67	117121.19	267682.40

34-NB-PlanDetails					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
NB-26	17+22.43	2.50' LT	1154.53	117113.46	267688.28
NB-27	17+53.62	0.01' LT	1153.88	117130.35	267714.61
NB-28	19+00.09	0.00'	1153.65	117230.50	267821.13
NB-29	20+41.20	0.00'	1156.14	117337.40	267913.24
NB-30	20+48.22	0.00'	1156.27	117342.72	267917.82
NW-08	1+77.97	0.00'	1154.03	117180.47	267545.30
NW-09	1+88.03	0.00'	1153.96	117190.52	267545.59
NW-10	2+12.18	0.00'	1153.82	117214.09	267540.84
NW-11	2+47.82	0.00'	1153.68	117247.45	267528.28
SB-20	106+90.82	5.59' RT	1154.64	117124.85	267652.41
SB-21	106+94.31	4.00' RT	1155.02	117126.34	267656.12
SB-22	106+94.24	0.00' RT	1154.58	117130.34	267656.09
SB-23	107+08.45	2.50' RT	1154.86	117128.85	267670.62
SB-24	107+18.18	2.50' RT	1154.77	117130.86	267680.42
SB-25	107+44.30	0.09' RT	1154.10	117143.45	267703.74
SB-26	108+70.86	0.09' LT	1153.57	117225.12	267799.74
SB-27	109+70.98	0.00'	1155.22	117301.19	267864.82
SB-28	109+94.22	0.00' RT	1155.63	117318.74	267880.07
SB-29	110+30.82	1.79' RT	1156.20	117344.66	267905.93
SB-30	110+37.81	2.54' RT	1156.33	117349.26	267911.24

LEGEND

- CURB RAMP DECTECTABLE WARNING FIELD, YELLOW
- FUTURE OFF-STREET BIKE AND PEDESTRIAN ACCOMODATIONS
- INLET

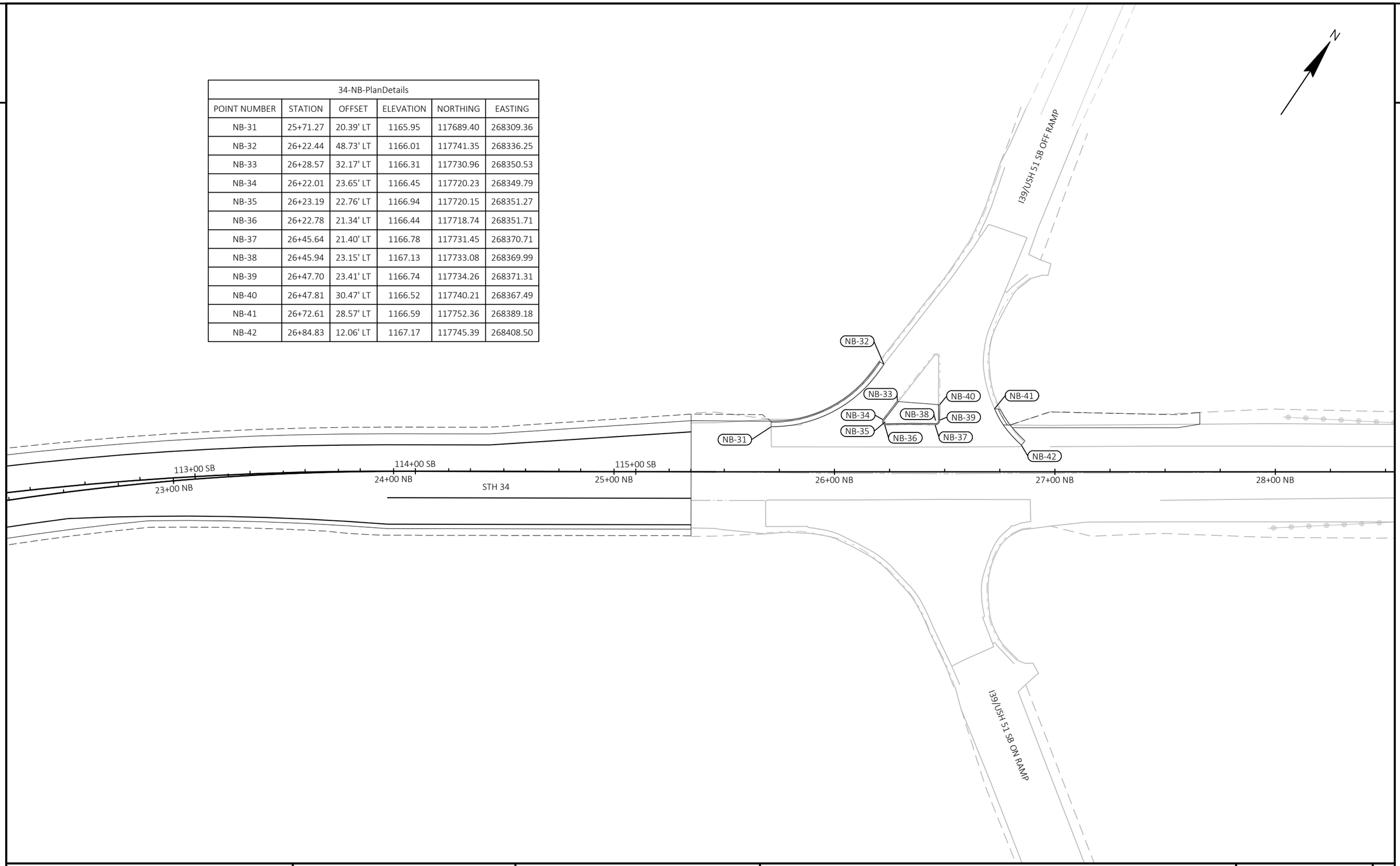
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	INTERSECTION DETAILS	SHEET 16	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 02_id

PLOT DATE : 1/31/2022 3:59 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

34-NB-PlanDetails					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
NB-31	25+71.27	20.39' LT	1165.95	117689.40	268309.36
NB-32	26+22.44	48.73' LT	1166.01	117741.35	268336.25
NB-33	26+28.57	32.17' LT	1166.31	117730.96	268350.53
NB-34	26+22.01	23.65' LT	1166.45	117720.23	268349.79
NB-35	26+23.19	22.76' LT	1166.94	117720.15	268351.27
NB-36	26+22.78	21.34' LT	1166.44	117718.74	268351.71
NB-37	26+45.64	21.40' LT	1166.78	117731.45	268370.71
NB-38	26+45.94	23.15' LT	1167.13	117733.08	268369.99
NB-39	26+47.70	23.41' LT	1166.74	117734.26	268371.31
NB-40	26+47.81	30.47' LT	1166.52	117740.21	268367.49
NB-41	26+72.61	28.57' LT	1166.59	117752.36	268389.18
NB-42	26+84.83	12.06' LT	1167.17	117745.39	268408.50



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	INTERSECTION DETAILS	SHEET 17	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 03_id

PLOT DATE : 1/31/2022 3:59 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: SEE NEXT SHEET FOR POINT INFORMATION

N

STH 34

CTH DB

OLD HWY 51

R200'

R300'

R75'

R50'

R25'

R46'

R100'

1+00 SW

2+00 SW

3+00 SW

15+00 NB

105+00 SB

1+00 NW

2+00 NW

509+00 B

510+00 B

59+00 D

60+00 D

505+00 B

506+00 B

55+00 D

56+00 D

1+00 SE

2+00 SE

3+00 C

4+00 C

1+00 NE

2+00 NE

17+00 NB

107+00 SB

108+00 SB

18+00 NB

SW-01 SW-02 SW-03 SW-04 SW-05 SW-06 SW-07 SW-08 SW-09 SW-10 SW-11 SW-12 SW-13 SW-14 SW-15 SW-16 SW-17 SW-18 SW-19

NW-01 NW-02 NW-03 NW-04 NW-05 NW-06 NW-07 NW-08 NW-09 NW-10 NW-11 NW-12

NE-01 NE-02 NE-03 NE-04 NE-05 NE-06 NE-07 NE-08 NE-09 NE-10 NE-11 NE-12 NE-13 NE-14 NE-15 NE-16 NE-17 NE-18

SE-01 SE-02 SE-03 SE-04 SE-05 SE-06 SE-07 SE-08 SE-09 SE-10 SE-11 SE-12

C-20 C-21 C-22 C-23 C-24 C-25 C-26 C-27 C-28 C-29 C-30 C-31 C-32 C-33 C-34 C-35

LEGEND

CURB RAMP DECTECTABLE WARNING FIELD, YELLOW

FUTURE OFF-STREET BIKE AND PEDESTRIAN ACCOMODATIONS

INLET

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	INTERSECTION DETAILS	SHEET 18	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 04_id

PLOT DATE : 1/31/2022 3:59 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

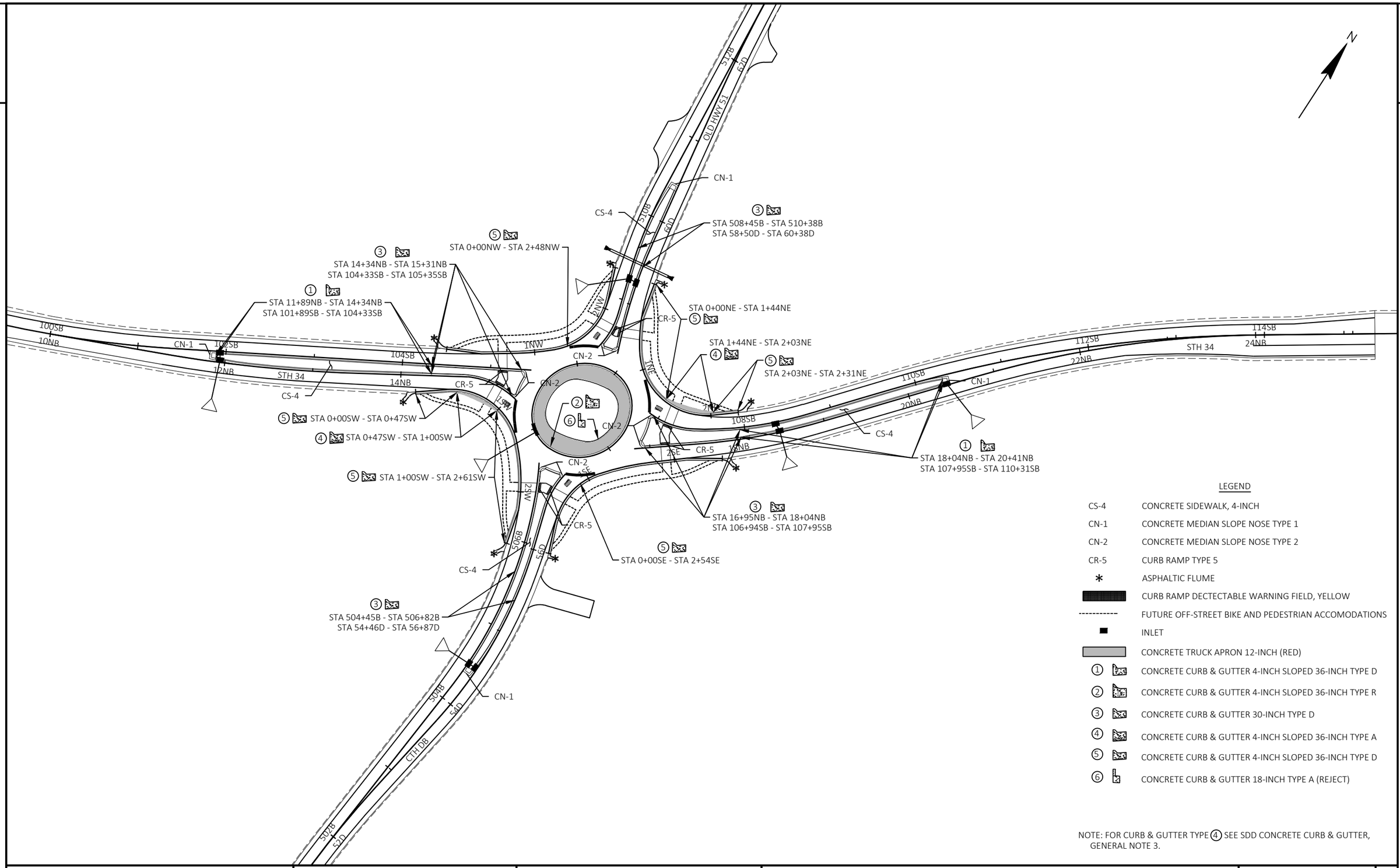
WISDOT/CADDS SHEET 42

SW-Quad-PlanDetails					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
C-20	1+78.19	14.01' LT	1153.81	117067.36	267549.52
C-21	1+76.67	39.00' LT	1157.60	117078.72	267571.79
C-22	2+22.71	18.31' LT	1153.83	117053.81	267573.84
C-23	2+51.92	10.86' RT	1153.78	117029.15	267603.77
C-24	2+71.16	16.84' LT	1154.20	117061.95	267605.62
C-25	2+94.55	39.00' LT	1157.97	117085.32	267596.64
C-26	2+93.99	14.00' LT	1154.40	117073.18	267618.49
C-27	3+49.46	14.00' LT	1154.90	117114.19	267620.01
C-28	3+49.46	39.00' LT	1157.93	117103.87	267597.24
C-29	3+95.50	18.31' LT	1154.98	117128.78	267595.19
C-30	4+24.73	10.70' RT	1154.54	117153.29	267565.29
C-31	2+90.98	45.06' LT	1158.63	117087.40	267590.85
C-32	1+18.26	45.01' LT	1158.67	117095.20	267578.12
C-33	4+45.27	16.57' LT	1154.56	117120.24	267562.50
C-34	1+21.79	39.06' LT	1158.01	117097.23	267572.43
C-35	1+21.20	14.00' LT	1154.32	117109.41	267550.53
NE-01	2+31.18	0.00'	1153.28	117185.64	267734.30
NE-02	2+02.14	0.00'	1153.59	117167.40	267711.71
NE-03	2+02.63	4.00' LT	1153.85	117170.82	267709.58
NE-04	2+07.27	53.78' LT	1154.65	117212.46	267681.91
NE-05	1+89.73	5.66' LT	1154.00	117165.36	267698.68
NE-06	61+18.87	71.97' RT	1156.64	117447.99	267598.07
NE-07	1+62.80	0.00'	1153.99	117151.64	267676.15
NE-08	1+52.73	0.00'	1154.12	117150.76	267666.13
NE-09	1+55.84	5.59' LT	1154.35	117156.47	267668.89
NE-10	1+44.12	4.00' LT	1154.49	117155.06	267657.91

SW-Quad-PlanDetails					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
NE-11	1+25.10	52.99' LT	1152.74	117205.05	267657.08
NE-12	0+79.83	0.00'	1154.34	117182.20	267603.52
NE-13	0+40.76	200.00' LT	1158.87	117298.42	267766.28
NE-14	0+65.83	0.00'	1154.18	117193.88	267595.79
NE-15	0+55.77	0.00'	1154.07	117202.57	267590.75
NE-16	0+40.76	0.00'	1153.98	117216.01	267584.06
NE-17	0+00.00	0.00'	1153.80	117255.86	267575.51
NE-18	2+02.14	75.00' LT	1157.53	117225.74	267664.59
NW-01	0+00.00	0.00'	1152.76	117066.27	267418.32
NW-02	0+40.28	0.00'	1153.13	117083.44	267454.75
NW-03	0+58.68	0.00'	1153.29	117093.59	267470.10
NW-04	0+68.68	0.00' RT	1153.40	117099.19	267478.39
NW-05	0+81.26	0.00'	1153.54	117106.31	267488.76
NW-06	1+23.29	0.00'	1154.01	117132.57	267521.53
NW-07	2+12.18	75.00' LT	0.00	117187.67	267470.65
NW-08	1+77.97	0.00'	1154.03	117180.47	267545.30
NW-09	1+88.03	0.00'	1153.96	117190.52	267545.59
NW-10	2+12.18	0.00'	1153.82	117214.09	267540.84
NW-11	2+47.82	0.00'	1153.68	117247.45	267528.28
NW-12	0+79.92	300.00' LT	0.00	117352.97	267318.00
SE-01	0+00.00	0.00'	1152.62	116935.15	267640.74
SE-02	0+35.64	0.00'	1152.97	116968.51	267628.18
SE-03	0+59.79	0.00'	1153.21	116992.07	267623.43
SE-04	0+69.85	0.00'	1153.34	117002.12	267623.72
SE-05	1+13.42	0.00'	1153.88	117041.91	267639.91
SE-06	1+13.42	75.00' RT	0.00	116994.93	267698.37

SW-Quad-PlanDetails					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
SE-07	1+13.42	300.00' RT	0.00	116853.97	267873.74
SE-08	1+74.73	0.00'	1154.02	117085.46	267682.92
SE-09	1+85.95	0.00'	1153.92	117092.60	267691.58
SE-10	1+95.96	0.00'	1153.83	117098.96	267699.31
SE-11	2+14.28	0.00'	1153.68	117110.61	267713.44
SE-12	2+54.49	0.00'	1153.32	117132.18	267747.37
SW-01	0+00.00	0.00'	0.00	117006.65	267415.19
SW-02	0+35.64	0.00'	1152.75	117028.12	267443.64
SW-03	0+47.01	4.00' RT	1153.09	117030.73	267455.10
SW-04	0+60.23	5.31' RT	1153.21	117034.44	267466.99
SW-05	0+81.90	0.00'	1153.12	117043.22	267486.60
SW-06	0+35.64	75.00' RT	0.00	116968.25	267488.82
SW-07	0+88.35	5.24' RT	1153.44	117037.90	267492.75
SW-09	0+91.96	0.00'	1153.20	117042.84	267496.64
SW-10	0+99.80	4.00' RT	1153.53	117037.71	267503.55
SW-11	1+41.56	0.00'	1153.42	117022.31	267540.81
SW-12	1+89.45	0.00'	1153.05	116985.32	267571.04
SW-13	1+99.45	0.00'	1152.97	116976.75	267576.19
SW-14	2+20.08	0.00'	1152.83	116958.32	267585.41
SW-15	2+60.64	0.00'	1152.41	116918.90	267594.99
SW-16	0+35.46	53.61' RT	0.00	116985.22	267475.80
SW-17	503+96.25	109.11' LT	0.00	116739.13	267519.83
SW-18	1+14.27	53.43' RT	0.00	116988.11	267497.26
SW-19	2+54.72	196.98' RT	0.00	116878.15	267402.18

2



LEGEND

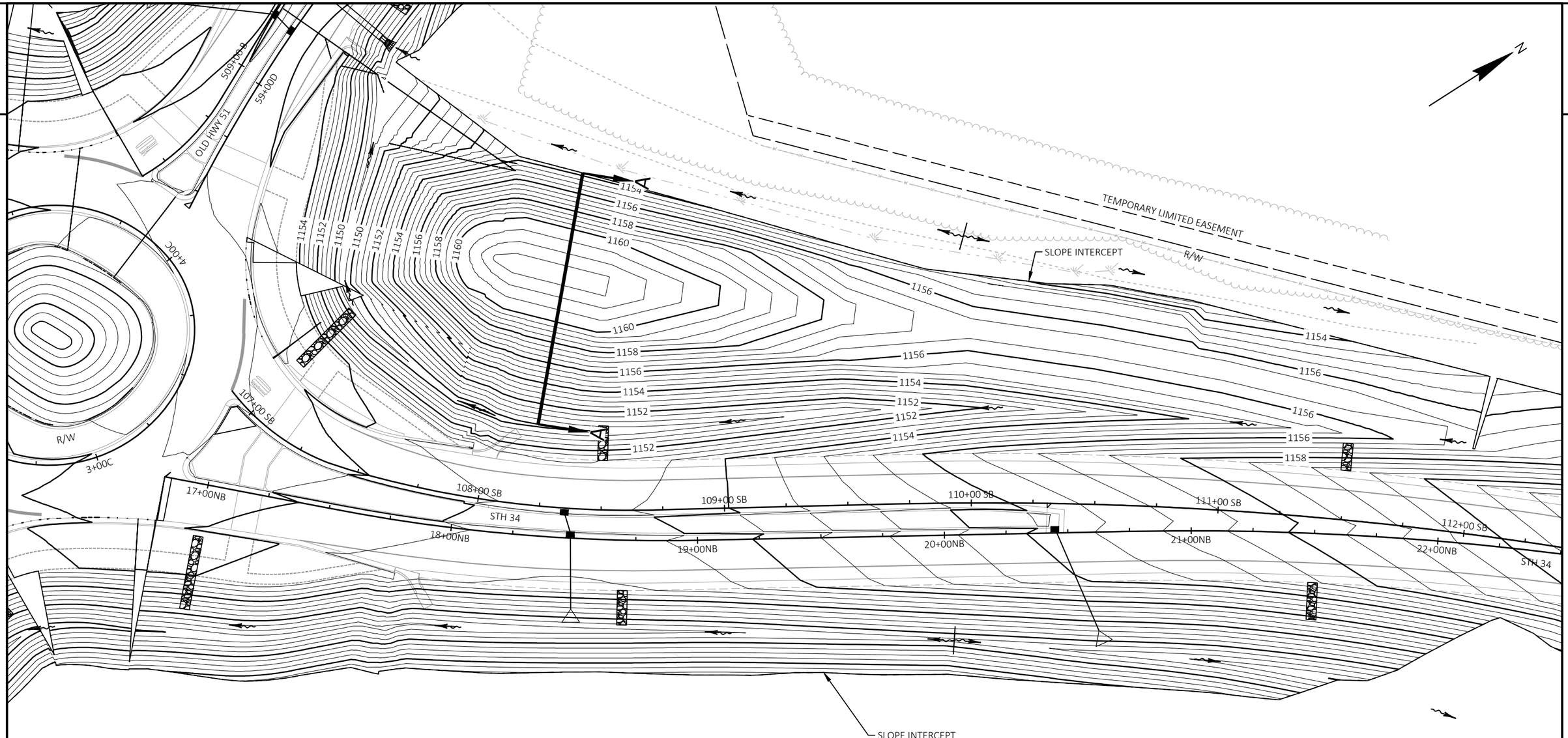
CS-4	CONCRETE SIDEWALK, 4-INCH
CN-1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CN-2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
CR-5	CURB RAMP TYPE 5
*	ASPHALTIC FLUME
▬	CURB RAMP DECTECTABLE WARNING FIELD, YELLOW
----------	FUTURE OFF-STREET BIKE AND PEDESTRIAN ACCOMODATIONS
■	INLET
▭	CONCRETE TRUCK APRON 12-INCH (RED)
①	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
②	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
③	CONCRETE CURB & GUTTER 30-INCH TYPE D
④	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
⑤	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
⑥	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)

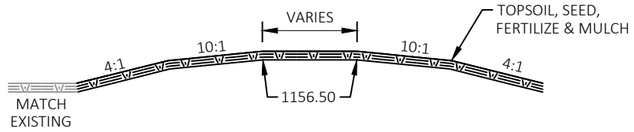
NOTE: FOR CURB & GUTTER TYPE ④ SEE SDD CONCRETE CURB & GUTTER, GENERAL NOTE 3.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN DETAILS - CURB TYPE	SHEET 20	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 01_pd
PLOT DATE : 3/10/2022 10:10 AM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2





FINISHED BERM TYPICAL

SECTION A - A
(SEE STH 34 SB CROSS SECTION
FOR MORE INFORMATION)

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN DETAILS - BERM	SHEET 21	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\021202_PD.DWG
LAYOUT NAME - 02
PLOT DATE : 1/31/2022 4:05 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	MATCH LINES	SHEET 22	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\021801_XM.DWG
LAYOUT NAME - 01_pd

PLOT DATE : 1/31/2022 4:07 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:150 FT

2

2

N

STA 10+22T
REMOVE EXISTING ENDWALL
INSTALL 24-INCH x 23-FT CPCP
1-AEW REQ'D

R/W

SLOPE INTERCEPT

5+00 T
32+00EX
6+00 T
33+00EX
STH 34
7+00 T
34+00EX
8+00 T
35+00EX
9+00 T
36+00EX
10+00 T
TEMPORARY ROAD
37+00EX
11+00 T
STH 34
38+00EX
12+00 T
39+00EX

PROPOSED R/W

R/W

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 1	SHEET 23	E

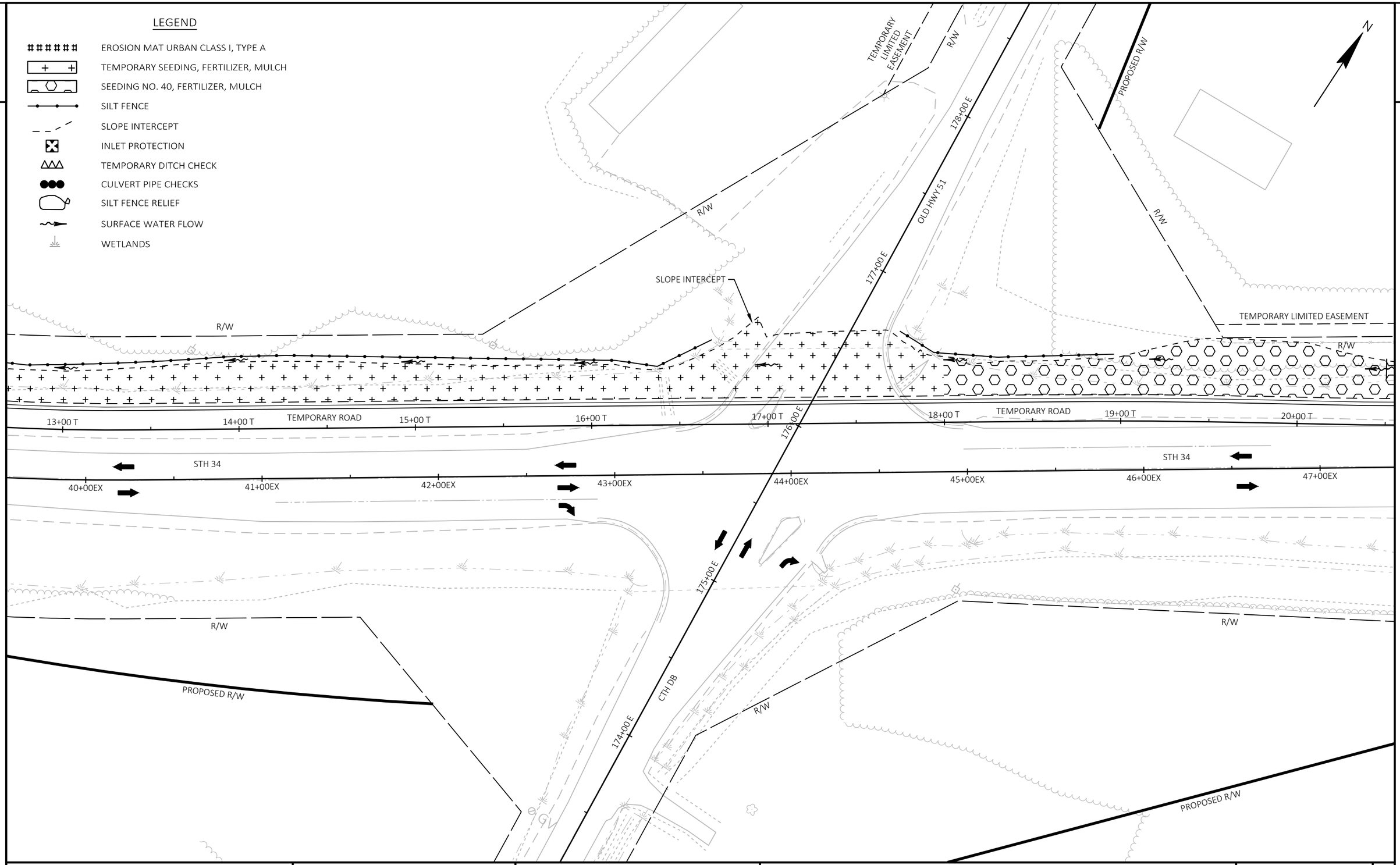
FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022001_EC1.DWG
LAYOUT NAME - EC1-01

PLOT DATE : 3/16/2022 7:34 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 1	SHEET 24	E

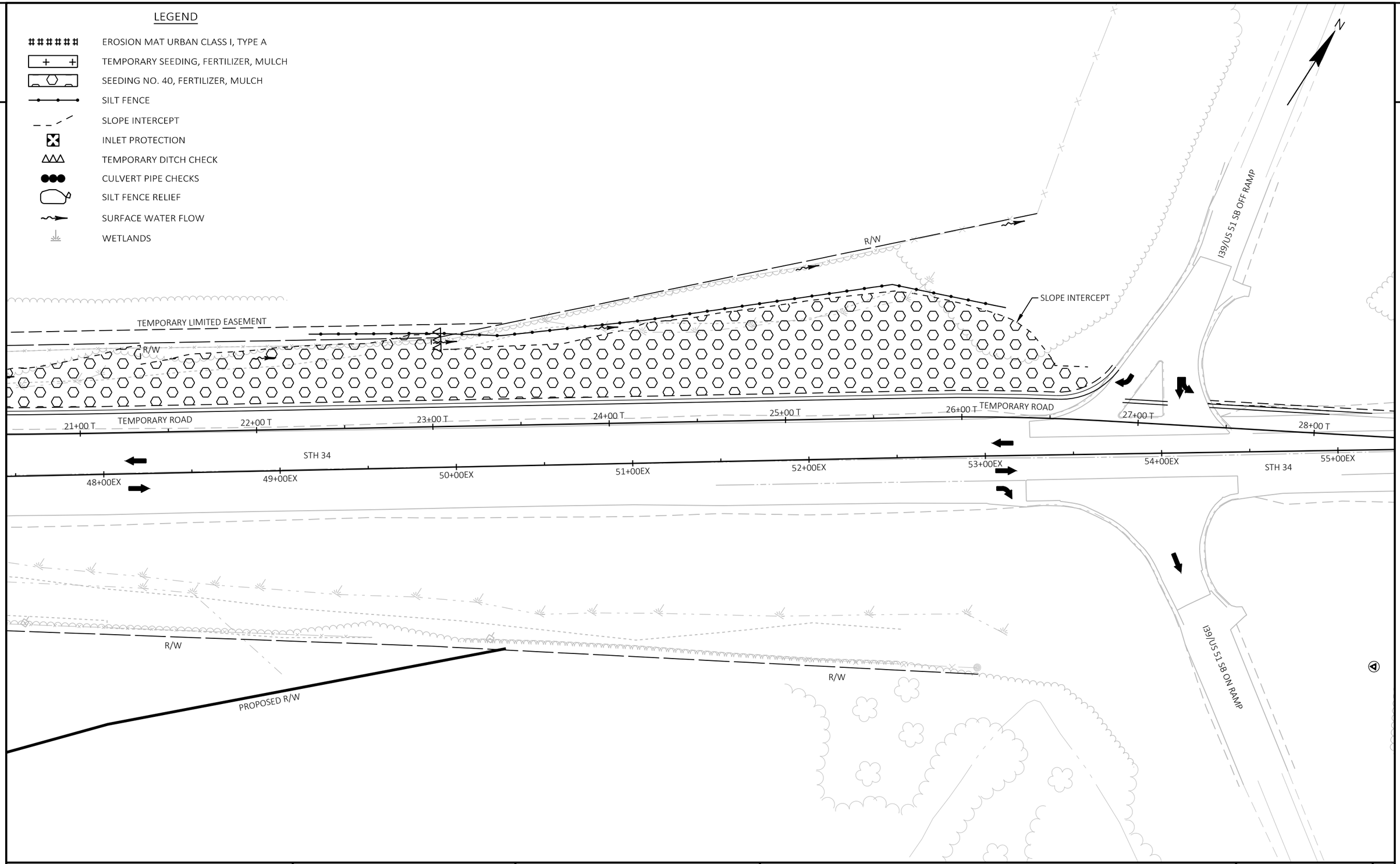
FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022001_EC1.DWG
LAYOUT NAME - EC1-02

PLOT DATE : 3/16/2022 7:34 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS



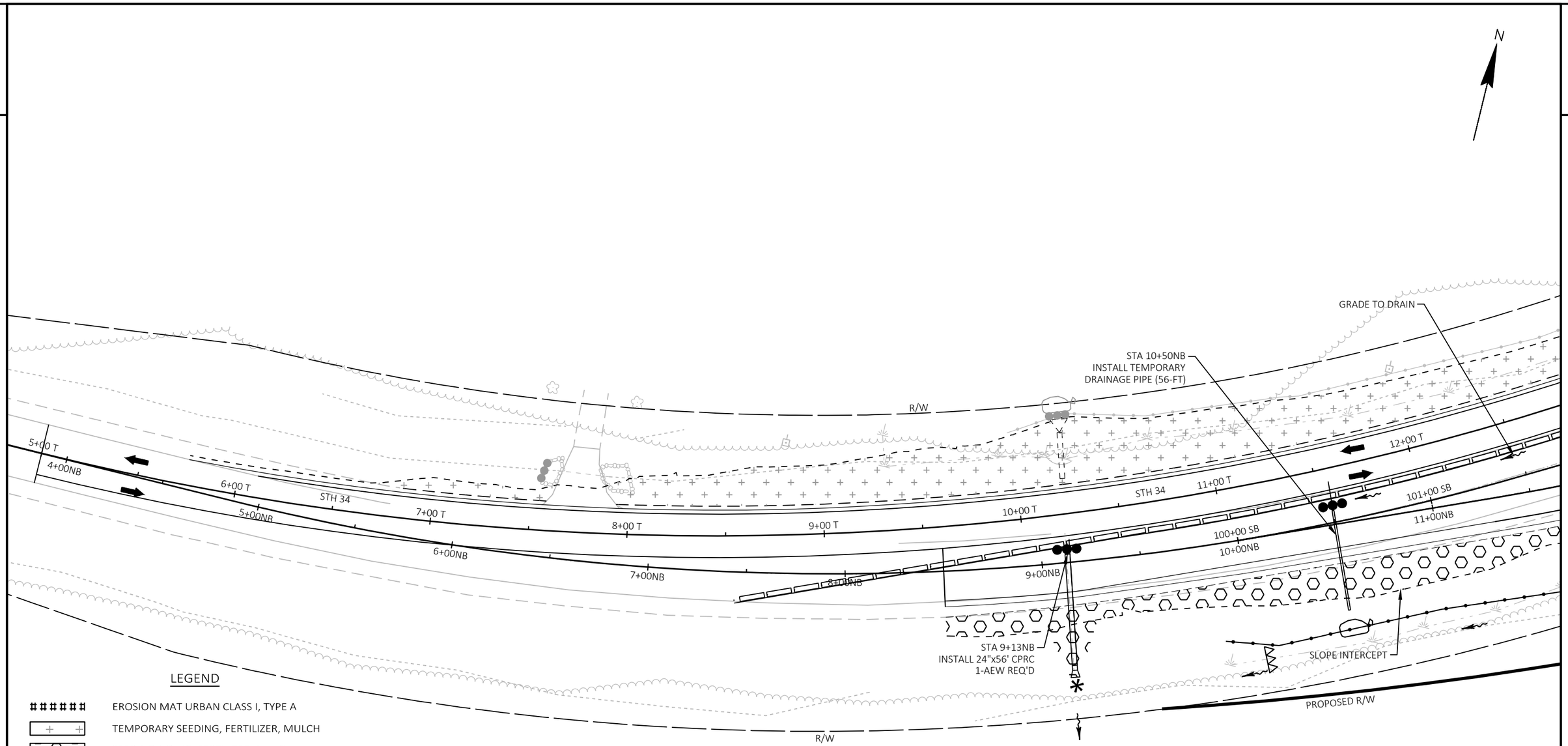
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 1	SHEET 25	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022001_EC1.DWG
LAYOUT NAME - EC1-03

PLOT DATE : 3/16/2022 7:34 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2



LEGEND

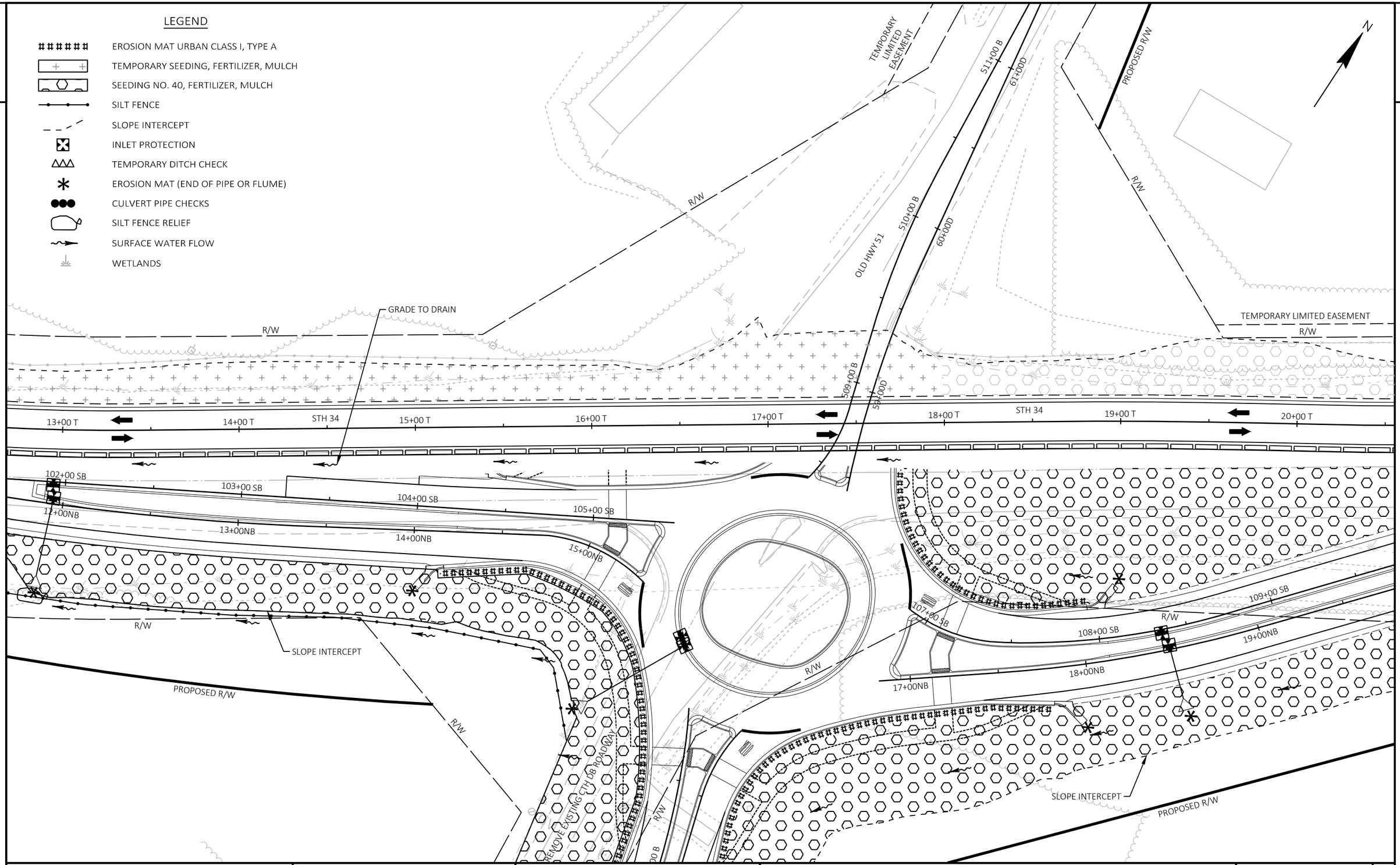
- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- EROSION MAT (END OF PIPE OR FLUME)
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 2	SHEET 26	E

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- EROSION MAT (END OF PIPE OR FLUME)
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS



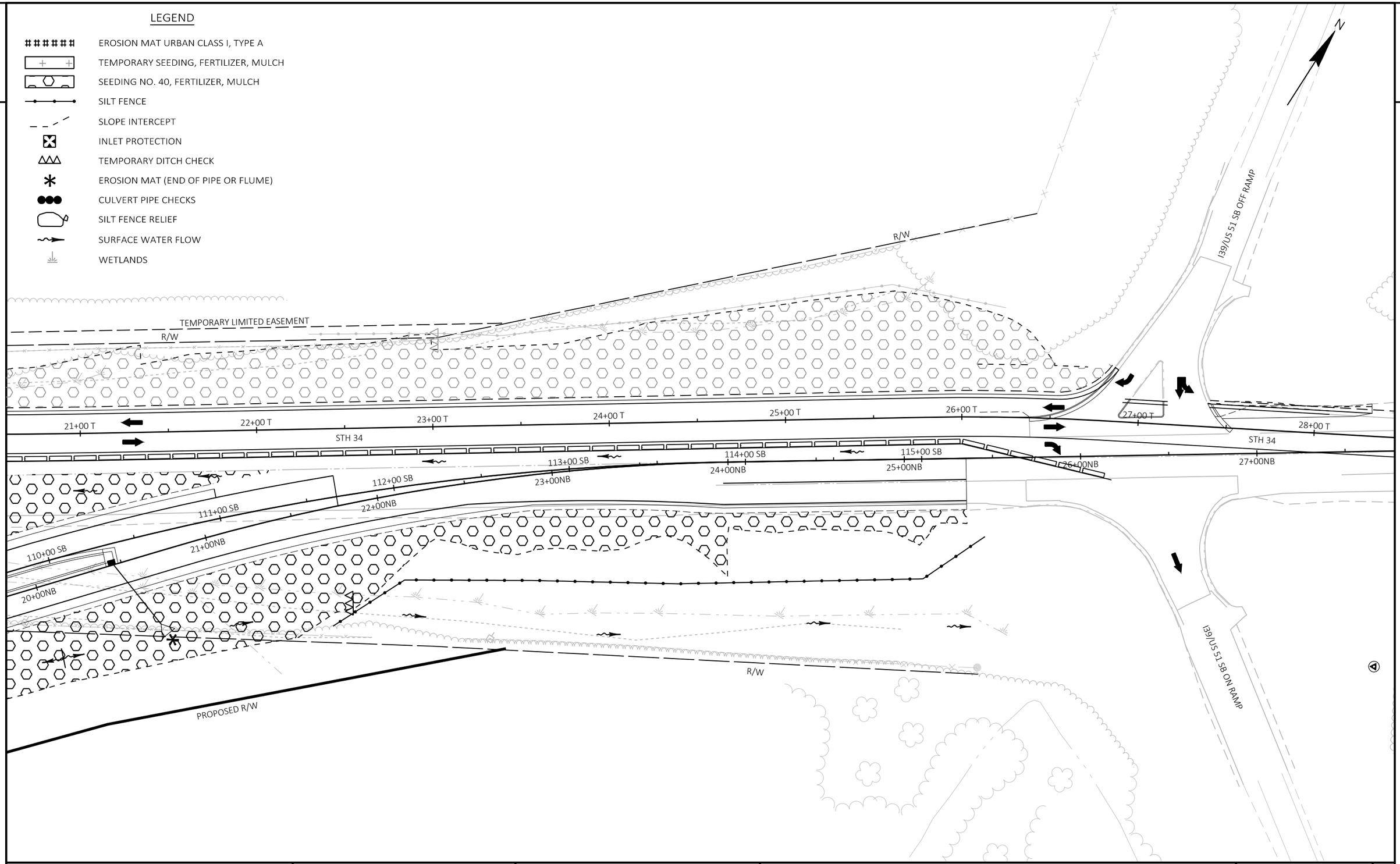
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 2	SHEET 27	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022101_EC2.DWG
LAYOUT NAME - EC2-2
PLOT DATE : 3/16/2022 7:36 AM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- EROSION MAT (END OF PIPE OR FLUME)
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS



2

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 2	SHEET 28	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022101_EC2.DWG
LAYOUT NAME - EC2-3

PLOT DATE : 3/16/2022 7:37 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

N

PROPOSED R/W

R/W

14+00NB

R/W

R/W

500+00 B

CTH DB

50+00D

501+00 B

51+00D

502+00 B

52+00D

503+00 B

53+00D

504+00 B

54+00D

505+00 B

55+00D

506+00 B

56+00D

R/W

R/W

TEMPORARY LIMITED EASEMENT

PROPOSED R/W

STA 55+50D
1-12"x66' CPCS
2-12" AEW REQ'D

PROPOSED R/W

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- EROSION MAT (END OF PIPE OR FLUME)
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 2	SHEET 29	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022101_EC2.DWG
LAYOUT NAME - EC2-4

PLOT DATE : 3/16/2022 7:37 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

N

STA 9+13NB
INSTALL 24"x14' CPRC
ATTACH TO PIPE
INSTALLED IN STAGE 2

STA 10+50NB
INSTALL TEMPORARY
DRAINAGE DITCH PIPE
ATTACH 15-FT TO PIPE
INSTALLED IN STAGE 2

GRADE TO DRAIN

R/W

10+00 T
11+00 T
12+00 T
13+00 T
14+00 T
15+00 T
16+00 T
17+00 T
509+00 B

9+00NB
10+00NB
11+00NB
12+00NB
13+00NB
14+00NB
15+00NB

STH 34

100+00 SB
101+00 SB
102+00 SB
103+00 SB
104+00 SB
105+00 SB

R/W

PROPOSED R/W

SLOPE INTERCEPT

506+00 B
56+00D

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- EROSION MAT (FOR END OF PIPE OR FLUME)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 3	SHEET 30	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022101_EC3.DWG
LAYOUT NAME - EC3-01

PLOT DATE : 3/16/2022 7:38 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

STA 9+13NB
INSTALL 24"x38' CPRC
1-24" AEW REQ'D
ATTACH TO PIPE
INSTALLED IN STAGE 3

R/W

4+00NB

5+00NB

STH 34

6+00NB

7+00NB

8+00NB

9+00NB

100+00 SB

10+00NB

101+00 SB

STH 34

11+00NB

STA 10+50NB
ABANDON PIPE

SLOPE INTERCEPT

PROPOSED R/W

R/W

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- EROSION MAT (FOR PIPE END OR FLUME)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 4	SHEET 31	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022201_EC4.DWG
LAYOUT NAME - EC4-01

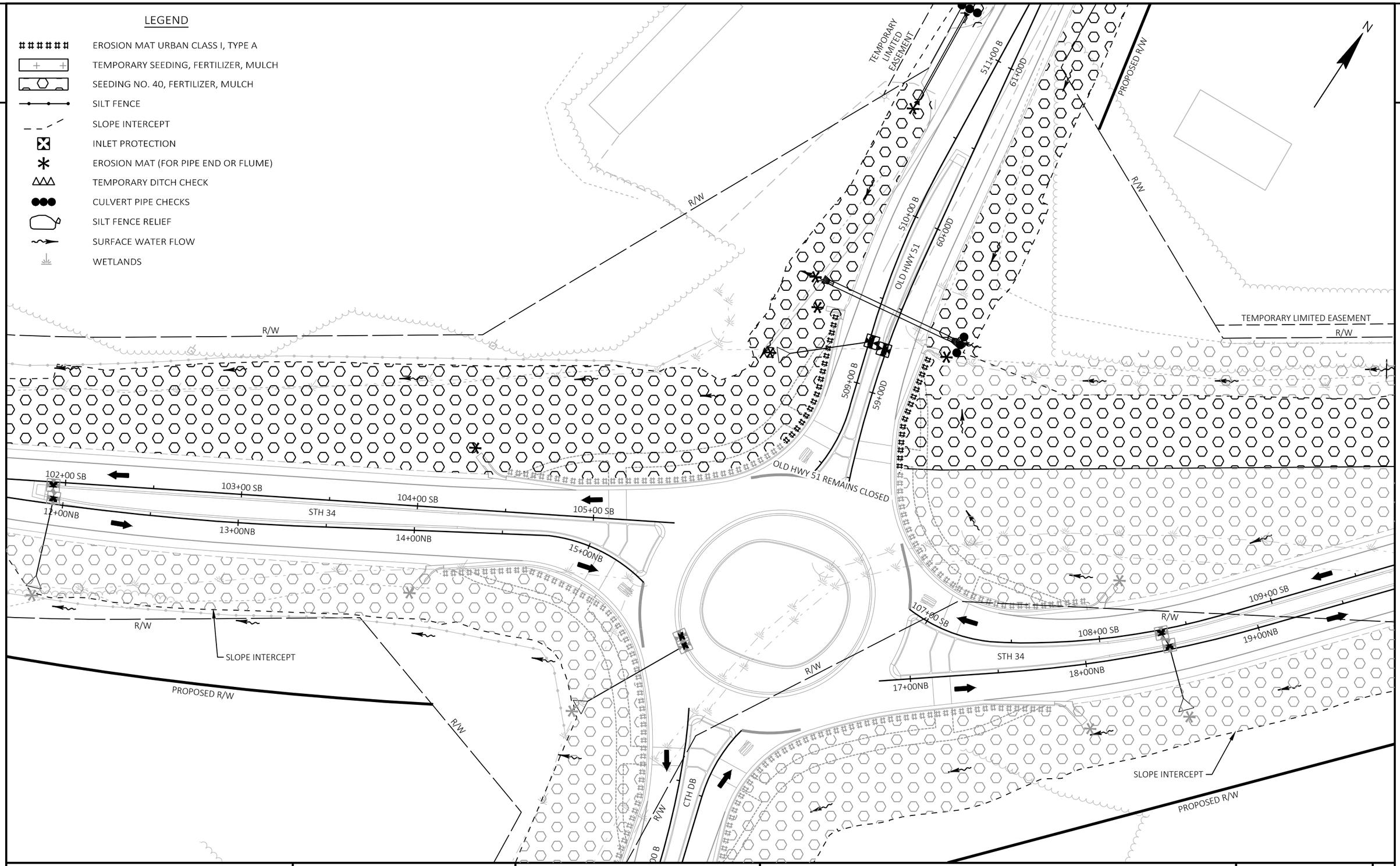
PLOT DATE : 3/16/2022 7:40 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- EROSION MAT (FOR PIPE END OR FLUME)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 4	SHEET 32	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022201_EC4.DWG
LAYOUT NAME - EC4-02

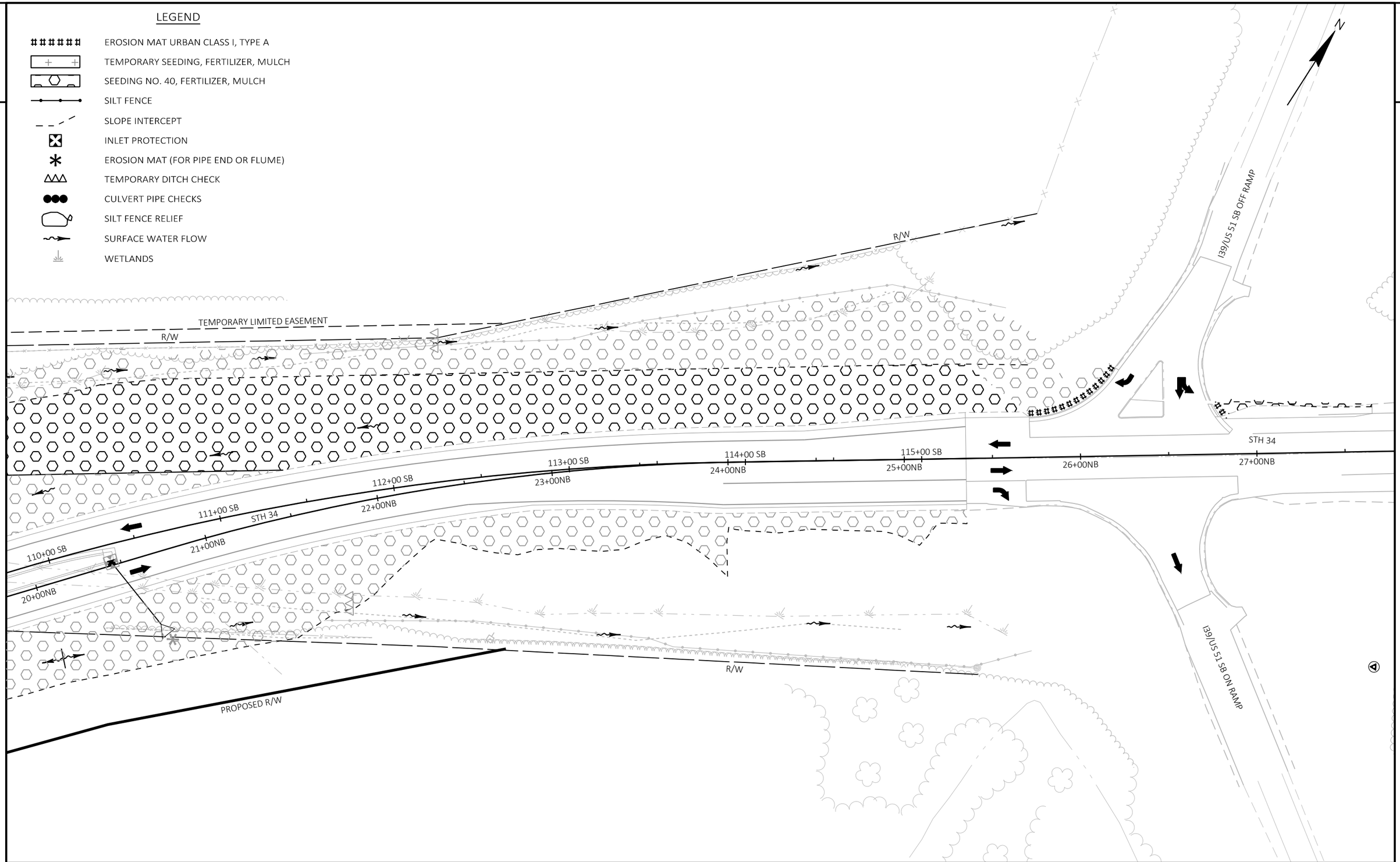
PLOT DATE : 3/16/2022 7:41 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- EROSION MAT (FOR PIPE END OR FLUME)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 4	SHEET 33	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022201_EC4.DWG
LAYOUT NAME - EC4-03

PLOT DATE : 3/16/2022 7:41 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

N

PROPOSED R/W

R/W

14+00NB

STH 34

104+00 SB

15+00NB

105+00 SB

R/W

STA 510+85B
1-12"x55' CPCS
2-12" AEW REQ'D

TEMPORARY LIMITED EASEMENT

R/W

510+00 B

511+00 B

512+00 B

509+00 B

OLD HWY 51

62+00D

63+00D

61+00D

60+00D

59+00D

OLD HWY 51 REMAINS CLOSED

R/W

506+00 B

CTH DB

56+00D

R/W

PROPOSED R/W

STA 59+47D
1-24"x72' CPRC
2-24" AEW REQ'D

R/W

R/W

107+00 SB

17+00NB

STH 34

18+00NB

108+00 SB

R/W

TEMPORARY LIMITED EASEMENT

R/W

PROPOSED R/W

109+00

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- TEMPORARY SEEDING, FERTILIZER, MULCH
- SEEDING NO. 40, FERTILIZER, MULCH
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- EROSION MAT (FOR PIPE END OR FLUME)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SILT FENCE RELIEF
- SURFACE WATER FLOW
- WETLANDS

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	EROSION CONTROL - STAGE 4	SHEET 34	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022201_EC4.DWG
LAYOUT NAME - EC4-04

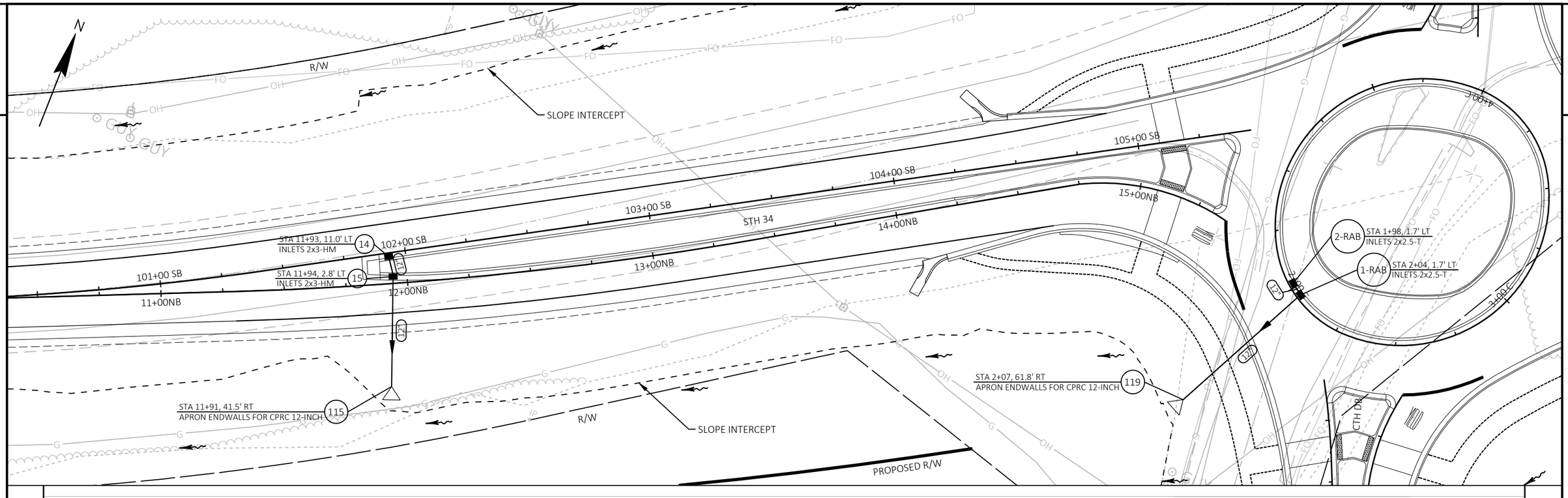
PLOT DATE : 3/16/2022 7:41 AM

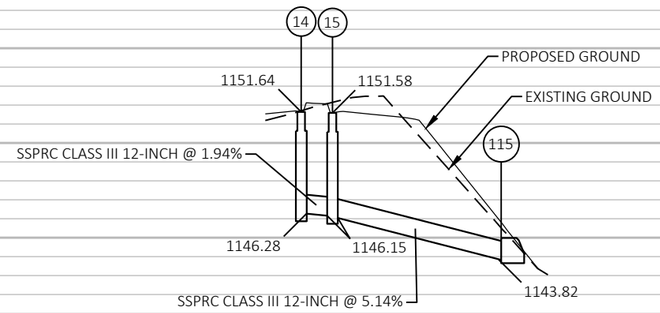
PLOT BY : CHRISTIANSON, ERIN M

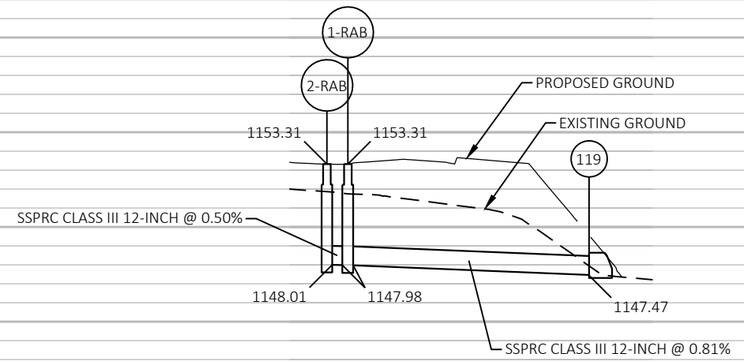
PLOT NAME :

PLOT SCALE : 1 IN:50 FT

2







PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STORM SEWER	SHEET 35	E

2

98, 1.7' LT
2x2.5-T

2+04, 1.7' LT
ETS 2x2.5-T

3+00 C

107+00 SB

108+00 SB

17+00NB

18+00NB

6 STA 108+35, 1.7' RT
INLETS 2x3-HM

7 STA 18+48, 1.5' LT
INLETS 2x3-HM

118 STA 18+50, 28.6' RT
APRON ENDWALLS FOR CPRC 12-INCH

19+00NB

109+00 SB

STH 34

110+00 SB

20+00NB

9 STA 20+45, 1.5' LT
INLETS 2x3-HM

111+00 SB

21+00NB

112+00 SB

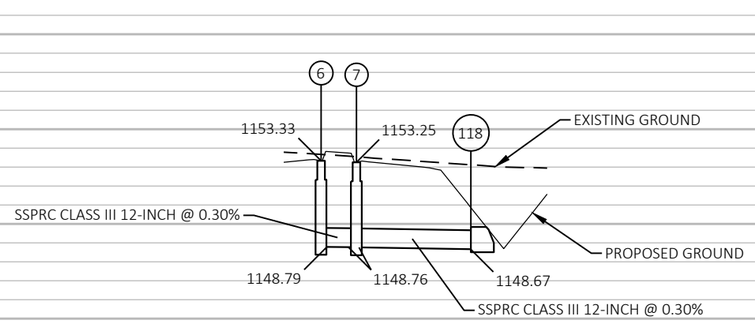
22+00NB

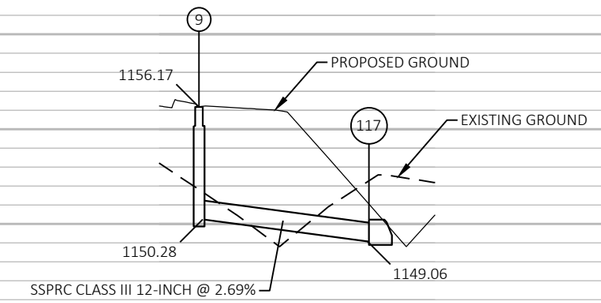
117 STA 20+62, 40.0' RT
APRON ENDWALLS FOR CPRC 12-INCH

R/W

SLOPE INTERCEPT

PROPOSED R/W





1165 1160 1155 1150 1145 1140 1135 1130

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STORM SEWER	SHEET 36	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - SS-02

PLOT DATE : 1/31/2022 4:26 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

STA 2+07, 61.8' RT
APRON ENDWALLS FOR CPRC 12-INCH
119

R/W

SLOPE INTERCEPT

STA 504+48, 25.5' LT
APRON ENDWALLS FOR CPRC 12-INCH
5

STA 504+49, 1.0' RT
INLETS 2x3-H
4

STA 504+49, 9.4' RT
INLETS 2x3-H
3

504+00 B
505+00 B
506+00 B
54+00D
55+00D
56+00D
CTH DB

2-RAB STA 1+98, 1.7' LT
INLETS 2x2.5-T

1-RAB STA 2+04, 1.7' LT
INLETS 2x2.5-T

3+00 C
4+00C

STH 34

120 STA 509+05, 41.1' LT
APRON ENDWALLS FOR CPRC 12-INCH

STA 509+25, 1.0' RT
INLETS 2x3-H
12

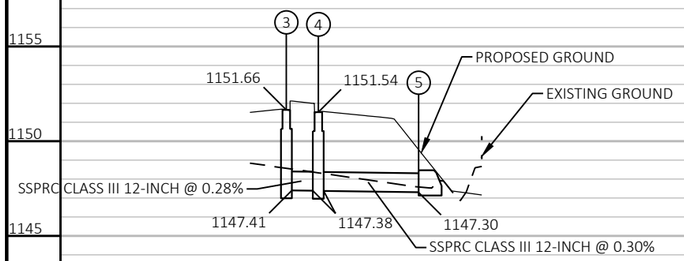
509+00 B
510+00 B
59+00D
60+00D
OLD HWY 51

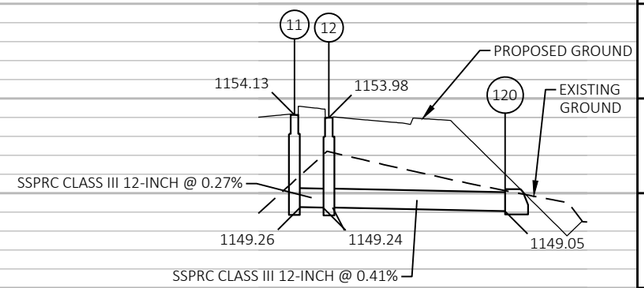
STA 59+25, 1.0' LT
INLETS 2x3-H
11

SLOPE INTERCEPT

107+00 SB
17+00

1165
1160
1155
1150
1145
1140
1135
1130

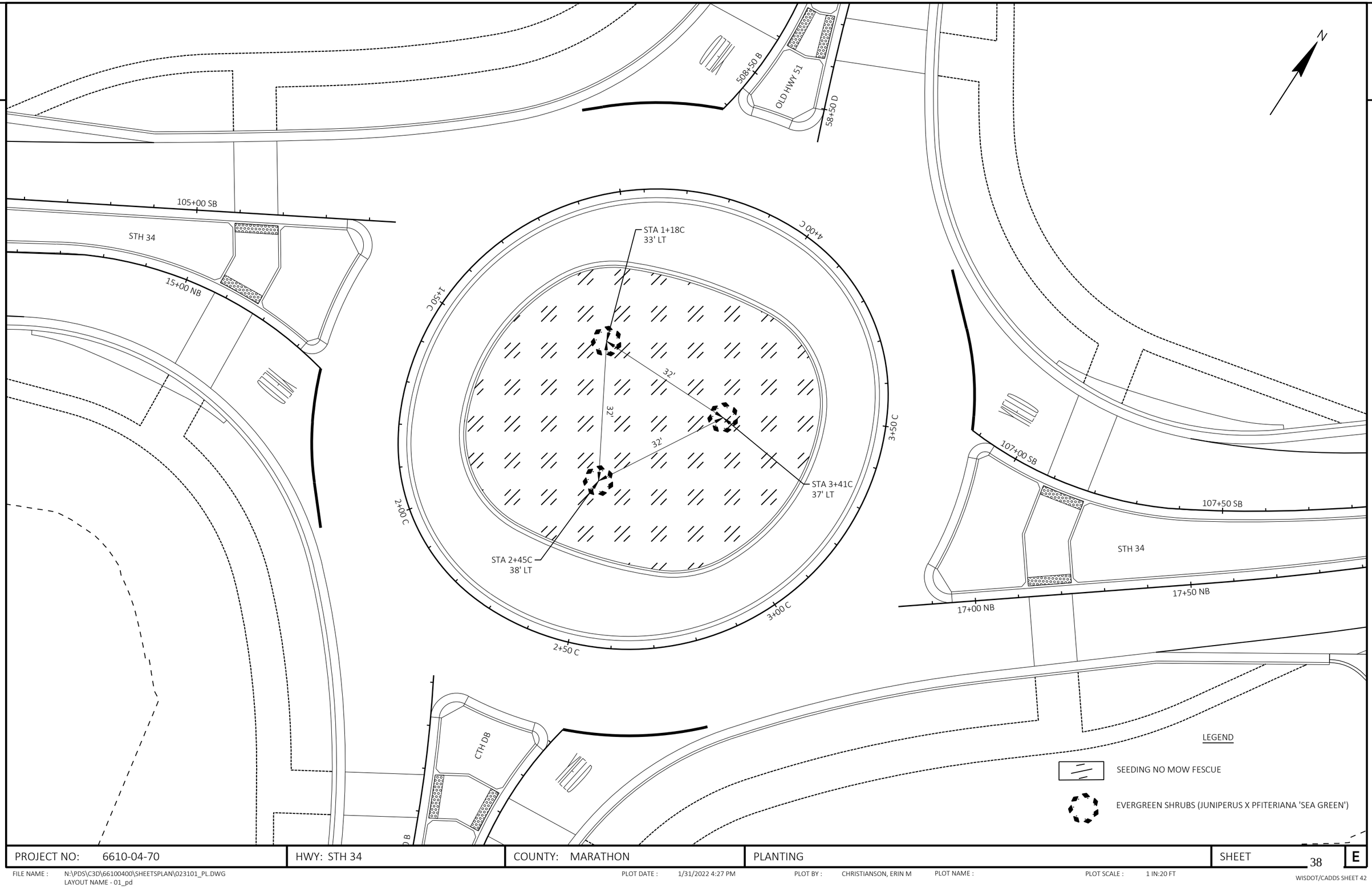




PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STORM SEWER	SHEET 37 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - SS-03
PLOT DATE : 1/31/2022 4:26 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

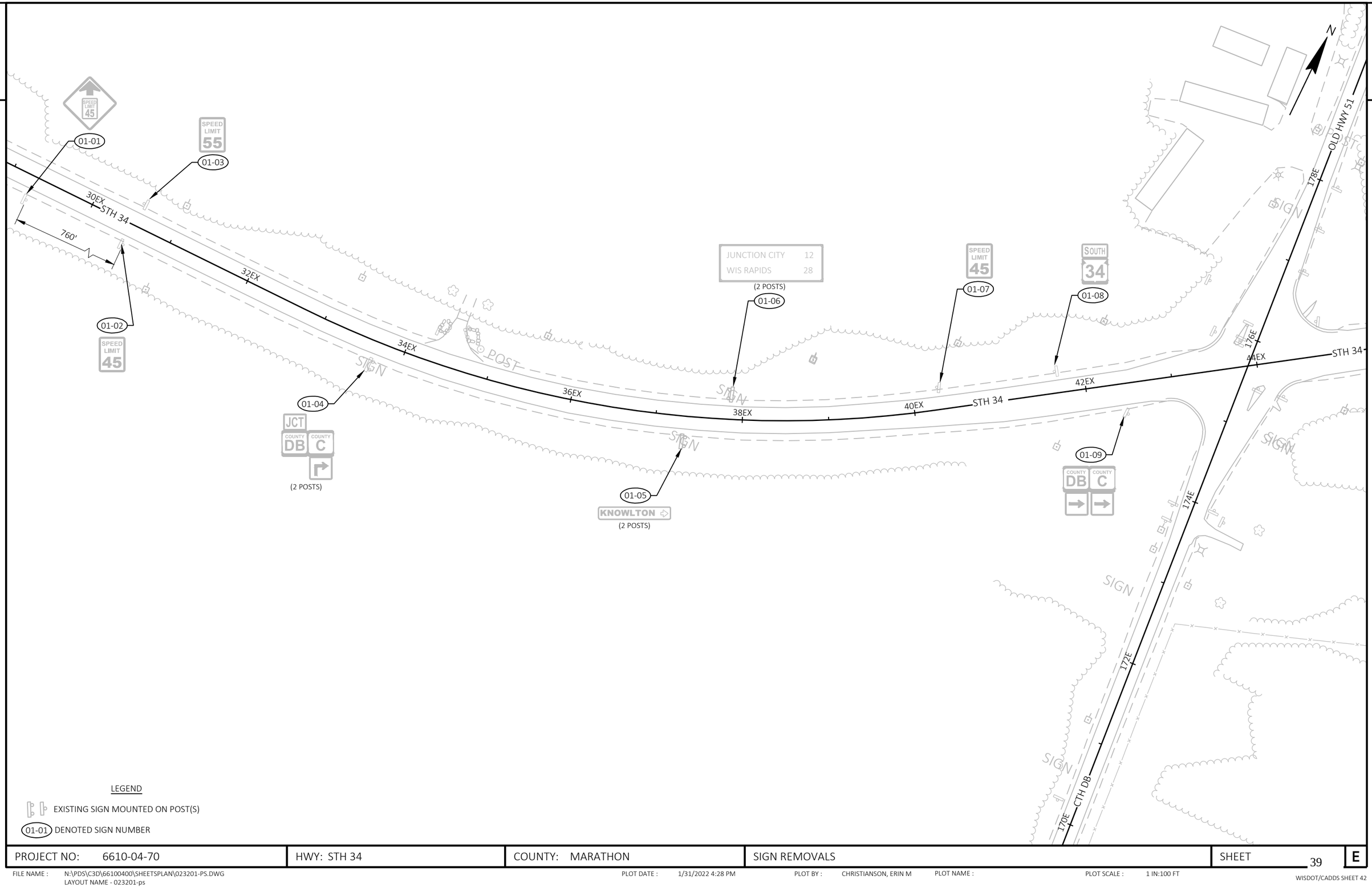
2



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLANTING	SHEET 38	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\023101_PL.DWG
LAYOUT NAME - 01_pd
PLOT DATE : 1/31/2022 4:27 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



LEGEND

EXISTING SIGN MOUNTED ON POST(S)

01-01 DENOTED SIGN NUMBER

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	SIGN REMOVALS	SHEET 39	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-ps
PLOT DATE : 1/31/2022 4:28 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

01-01 DENOTED SIGN NUMBER

OLD HWY 51

IH 39 SB EXIT RAMP

IH 39 SB ENTRANCE RAMP

N

180E

178E

176E

174E

172E

CTH DB

STH 34

44EX

46EX

48EX

50EX

52EX

54EX

56EX

POST

SIGN

02-01 JCT 39 JCT 51 END 34 (2 POSTS)

02-02 SPEED LIMIT 45

02-03 COUNTY DB COUNTY C

02-04 KNOWLTON (2 POSTS)

02-05 MOSINEE STEVENS PT (2 POSTS)

02-06 JCT COUNTY DB JCT COUNTY C

02-07 SPEED LIMIT 45

02-08 SOUTH 34

02-09 MOSINEE (2 POSTS)

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	SIGN REMOVALS	SHEET 40	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023202-ps

PLOT DATE : 1/31/2022 4:28 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

01-01 DENOTES SIGN NUMBER

N

STH 34

40EX

42EX

44EX

46EX

48EX

CTH DB

OLD HWY 51

166E

168E

170E

172E

174E

176E

178E

180E

03-01 JCT END 34 COUNTY DB

03-02

03-03 34 COUNTY C

03-04 NO PASSING ZONE FACES SOUTH

03-05 NO ENGINE BRAKING FACES NORTH

03-06 MULLINS CHEESE THIS WAY

03-07 ACOPT A HIGHWAY SPONSOR LINE 1 SPONSOR LINE 2 SPONSOR LINE 3

03-08 SPEED LIMIT 45

03-09 34 COUNTY C

03-10

03-11 STOP

03-13 STOP

03-14

03-15 STOP

03-16 STOP

03-17

03-18 NO THRU TRUCKS

03-19 SPEED LIMIT 45

03-20 WEIGHT LIMIT 10 TONS

03-21 34 COUNTY DB COUNTY C (2 POSTS)

03-22 MOVE TO POST

ROUGH ROAD NEXT 3 MILES

MOVE SIGN

03-23 650' NORTH OF STOP SIGN

03-24 650' NORTH OF STOP SIGN

TRUCKS ENTERING HIGHWAY

1008' NORTH OF INTERSECTION (TO REMAIN)

JCT JCT JCT 34 COUNTY C COUNTY DB (2 POSTS) 1140' NORTH OF INTERSECTION (TO REMAIN)

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	SIGN REMOVALS	SHEET 41	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps

PLOT DATE : 1/31/2022 4:28 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

N

Rudolph 21
Wis Rapids 27
D2-2
84"X24"
04-01

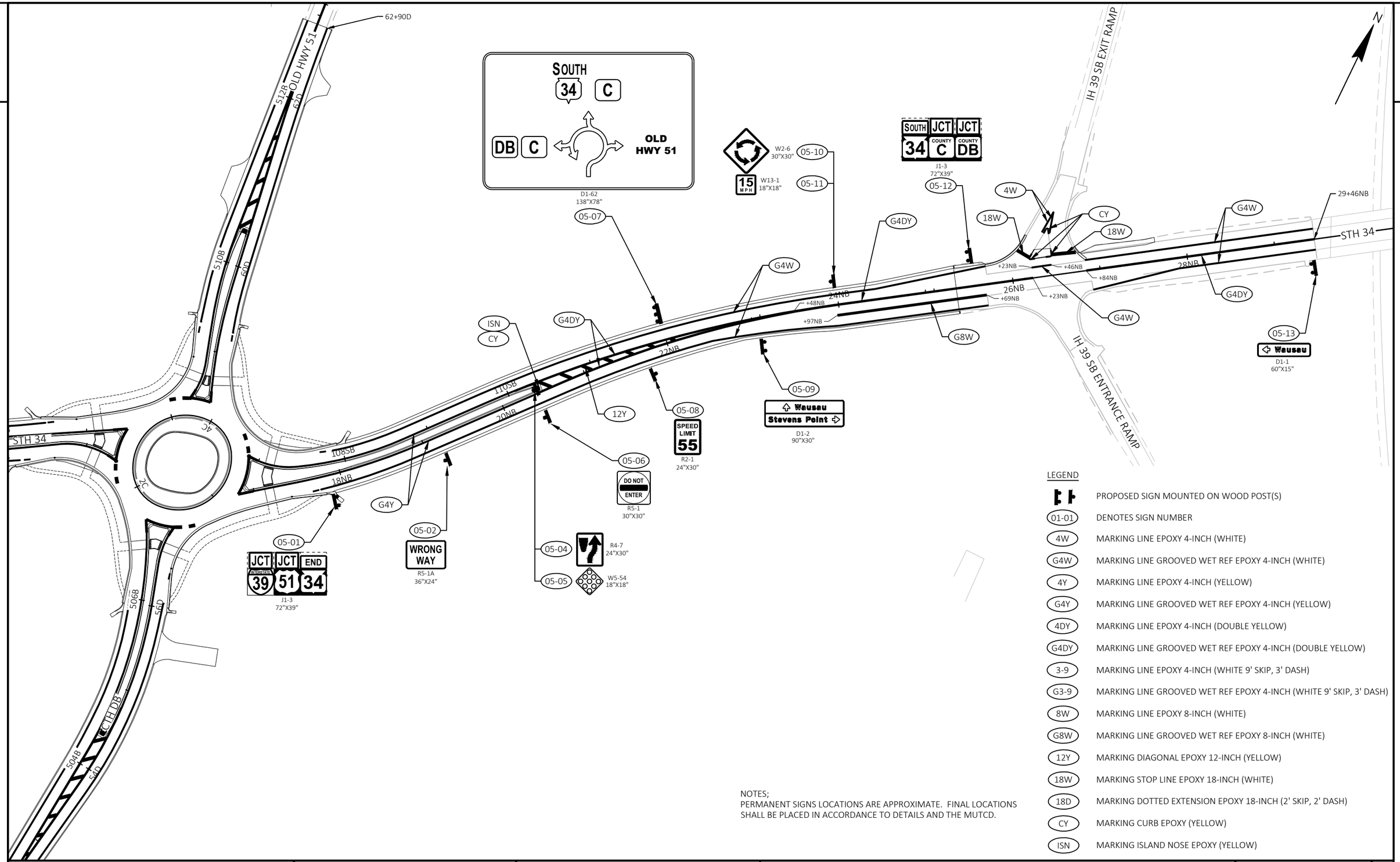
2NB
STH 34
3+87NB
4NB
6NB
STGN
8NB
10NB
+35NB
2NB
STGW
04-04
JCT
COUNTY
DB
J1-1
24"X39"
G4W
G4DY
04-05
W2-6
30"X30"
04-02
W13-1
18"X18"
15
MPH
04-03
SPEED
LIMIT
55
R2-1
24"X30"
04-06
ISN
CY
G4DY
12Y
DO NOT
ENTER
R5-1
30"X30"
04-09
102SB
R4-7
24"X30"
04-07
W5-54
18"X18"
04-08
WRONG
WAY
R5-1A
36"X24"
04-10
104SB
14NB
G4Y
SOUTH
34
COUNTY
C
J1-2
48"X39"
04-11
34 NORTH
OLD
HWY 51
DB
C
D1-62
138"X66"
OLD HWY 51
512B
510B
60D
4C
2C
STH 34
506B
56D
504B
54D
CTH DB

LEGEND

	PROPOSED SIGN MOUNTED ON WOOD POST(S)
01-01	DENOTES SIGN NUMBER
4W	MARKING LINE EPOXY 4-INCH (WHITE)
G4W	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
G4Y	MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
4DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
G4DY	MARKING LINE GROOVED WET REF EPOXY 4-INCH (DOUBLE YELLOW)
3-9	MARKING LINE EPOXY 4-INCH (WHITE 9' SKIP, 3' DASH)
G3-9	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE 9' SKIP, 3' DASH)
8W	MARKING LINE EPOXY 8-INCH (WHITE)
G8W	MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)
18D	MARKING DOTTED EXTENSION EPOXY 18-INCH (2' SKIP, 2' DASH)
CY	MARKING CURB EPOXY (YELLOW)
ISN	MARKING ISLAND NOSE EPOXY (YELLOW)

NOTES:
PERMANENT SIGNS LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 42	E



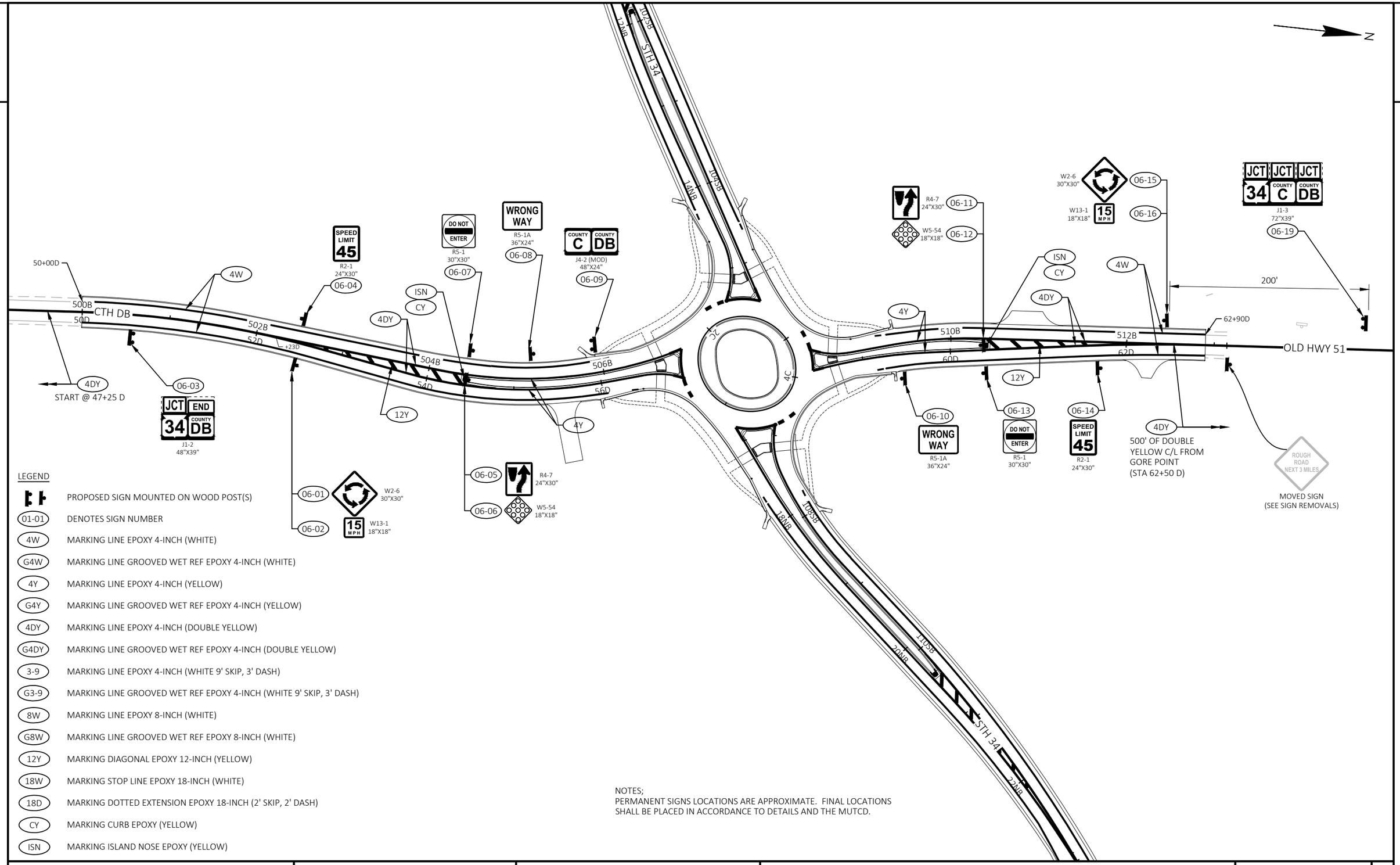
LEGEND

	PROPOSED SIGN MOUNTED ON WOOD POST(S)
01-01	DENOTES SIGN NUMBER
4W	MARKING LINE EPOXY 4-INCH (WHITE)
G4W	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
G4Y	MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
4DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
G4DY	MARKING LINE GROOVED WET REF EPOXY 4-INCH (DOUBLE YELLOW)
3-9	MARKING LINE EPOXY 4-INCH (WHITE 9' SKIP, 3' DASH)
G3-9	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE 9' SKIP, 3' DASH)
8W	MARKING LINE EPOXY 8-INCH (WHITE)
G8W	MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)
18D	MARKING DOTTED EXTENSION EPOXY 18-INCH (2' SKIP, 2' DASH)
CY	MARKING CURB EPOXY (YELLOW)
ISN	MARKING ISLAND NOSE EPOXY (YELLOW)

NOTES;
PERMANENT SIGNS LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 43	E

2



LEGEND

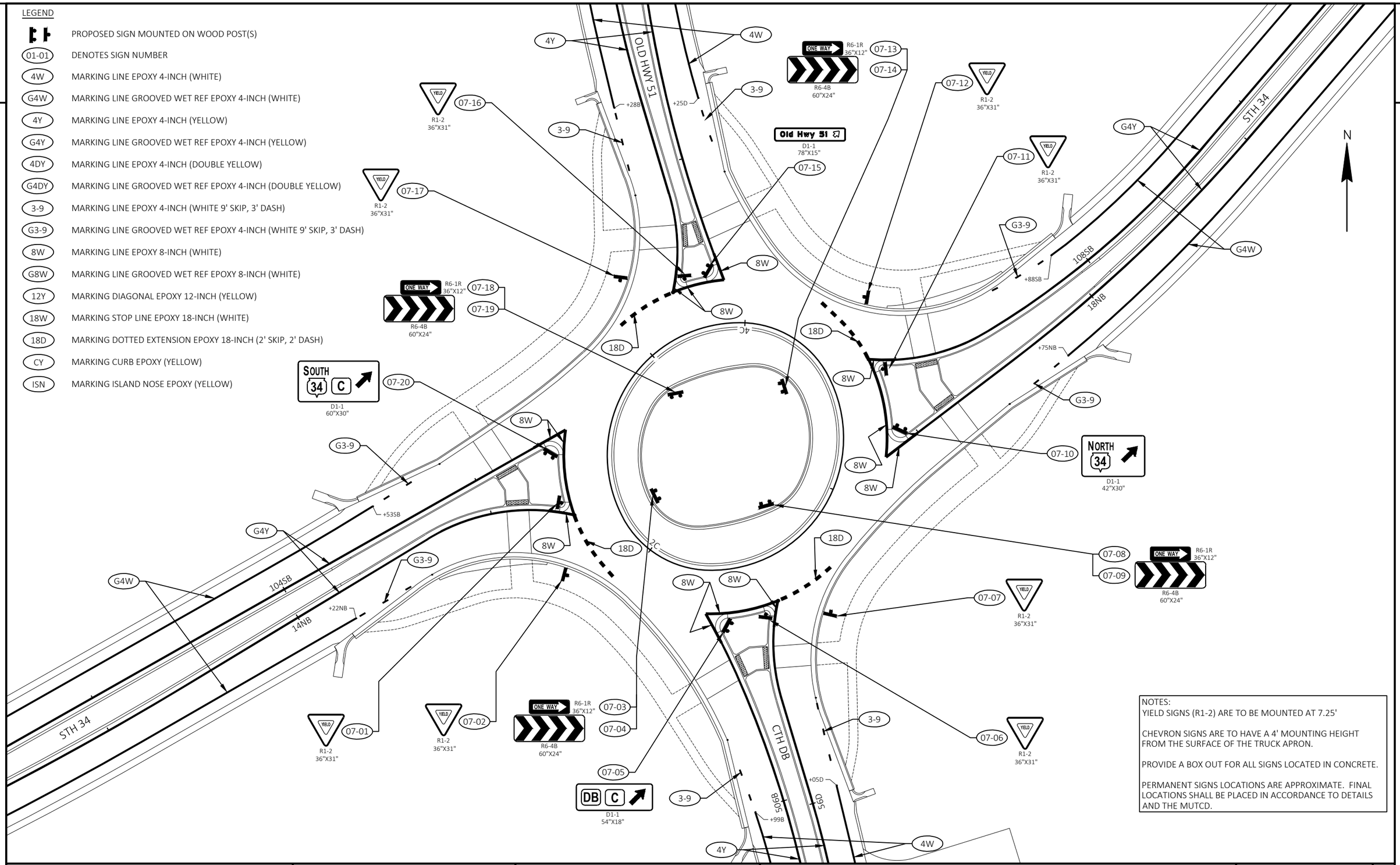
	PROPOSED SIGN MOUNTED ON WOOD POST(S)
01-01	DENOTES SIGN NUMBER
4W	MARKING LINE EPOXY 4-INCH (WHITE)
G4W	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
G4Y	MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
4DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
G4DY	MARKING LINE GROOVED WET REF EPOXY 4-INCH (DOUBLE YELLOW)
3-9	MARKING LINE EPOXY 4-INCH (WHITE 9' SKIP, 3' DASH)
G3-9	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE 9' SKIP, 3' DASH)
8W	MARKING LINE EPOXY 8-INCH (WHITE)
G8W	MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
18W	MARKING STOP LINE EPOXY 18-INCH (WHITE)
18D	MARKING DOTTED EXTENSION EPOXY 18-INCH (2' SKIP, 2' DASH)
CY	MARKING CURB EPOXY (YELLOW)
ISN	MARKING ISLAND NOSE EPOXY (YELLOW)

NOTES;
PERMANENT SIGNS LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 44	E

LEGEND

- PROPOSED SIGN MOUNTED ON WOOD POST(S)
- 01-01 DENOTES SIGN NUMBER
- 4W MARKING LINE EPOXY 4-INCH (WHITE)
- G4W MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
- 4Y MARKING LINE EPOXY 4-INCH (YELLOW)
- G4Y MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
- 4DY MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- G4DY MARKING LINE GROOVED WET REF EPOXY 4-INCH (DOUBLE YELLOW)
- 3-9 MARKING LINE EPOXY 4-INCH (WHITE 9' SKIP, 3' DASH)
- G3-9 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE 9' SKIP, 3' DASH)
- 8W MARKING LINE EPOXY 8-INCH (WHITE)
- G8W MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)
- 12Y MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 18W MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 18D MARKING DOTTED EXTENSION EPOXY 18-INCH (2' SKIP, 2' DASH)
- CY MARKING CURB EPOXY (YELLOW)
- ISN MARKING ISLAND NOSE EPOXY (YELLOW)



NOTES:
YIELD SIGNS (R1-2) ARE TO BE MOUNTED AT 7.25'

CHEVRON SIGNS ARE TO HAVE A 4' MOUNTING HEIGHT FROM THE SURFACE OF THE TRUCK APRON.

PROVIDE A BOX OUT FOR ALL SIGNS LOCATED IN CONCRETE.

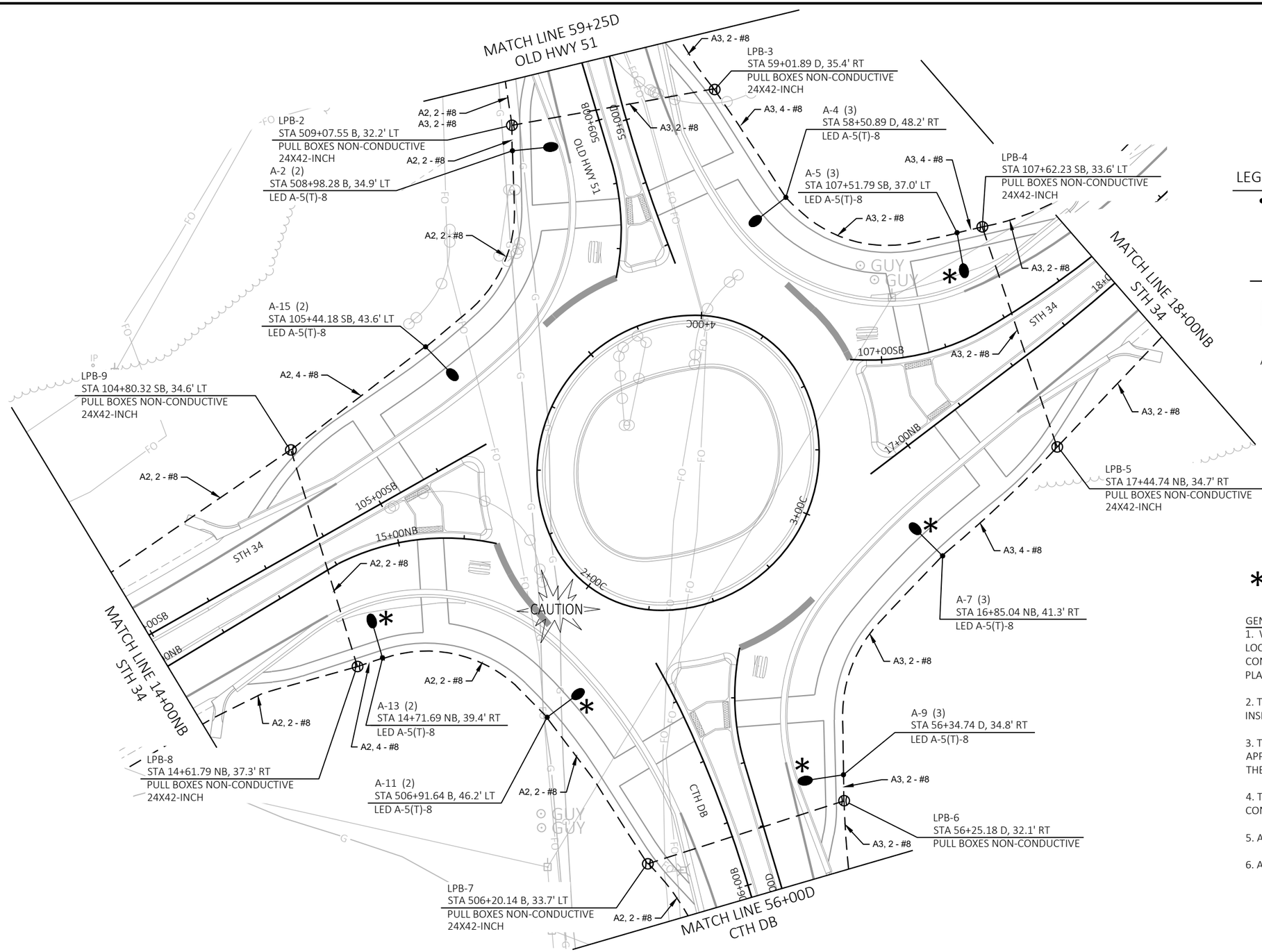
PERMANENT SIGNS LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 45	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\023202-PS.DWG
LAYOUT NAME - 023207-ps

PLOT DATE : 3/10/2022 12:31 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- SINGLE LIGHTING UNIT
- PULL BOXES NON-CONDUCTIVE (24 X 42-INCH)
- CONDUIT NON-METALLIC SCHEDULE 40 2-INCH UNLESS NOTED
- LIGHTING CONTROL CABINET (LCC-#)
- = CONDUIT STUB
- A2, 2 - #8 — LIGHTING CONTROL CABINET DESIGNATION CIRCUIT #, CONDUIT WIRE CONFIGURATION

A-7 (1)
STATION, OFFSET
LED A-5(T)-8

- CONTROL CABINET DESIGNATION
- POLE NUMBER
- LIGHTING CIRCUIT(S)
- LOCATION (TO CENTER OF POLE)
- LUMINAIRE ARM LENGTH
- POLE TYPE
- (T) INCLUDES TRANSFORMER BASE
- LUMINAIRE DESIGNATION

* MUST BE OPERATIONAL PRIOR TO OPENING STH 34 NB AND CTH DB TO TRAFFIC. STAGE 2 COMPLETE.

GENERAL LIGHTING NOTES:

1. WISCONSIN DOT NC REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS OF ALL EQUIPMENT IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT DOUG KREUSER AT 715.213.2773 5 WORKING DAYS PRIOR TO PLANNED INSTALLATIONS.

2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED PRIOR TO PULLING ELECTRICAL WIRE.

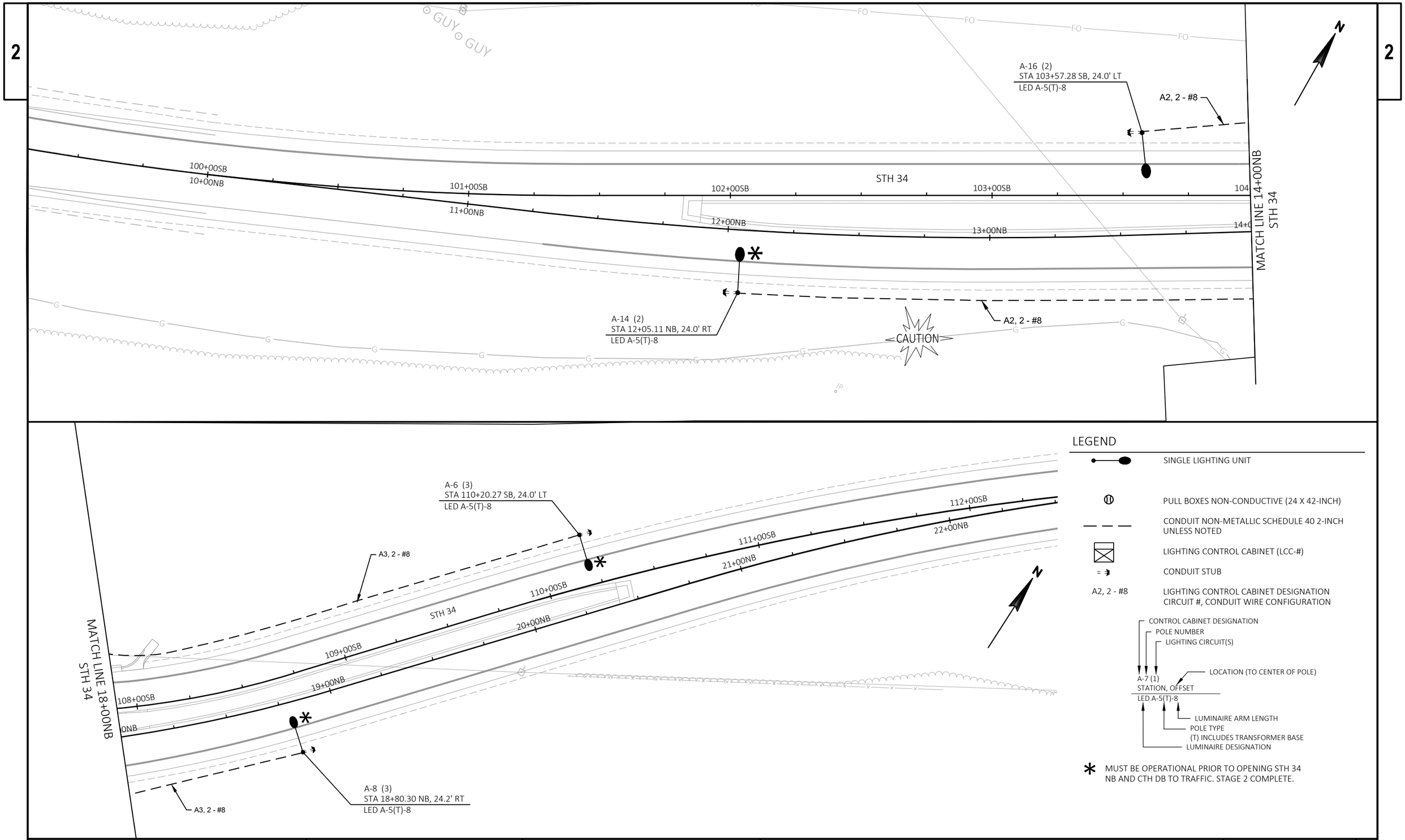
3. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT LIMITS WHICH ARE NOT SHOWN.

4. THE ENGINEER WILL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.

5. ALL CONDUITS WITH WIRES SHALL ALSO INCLUDE 1 - #8 GROUND.

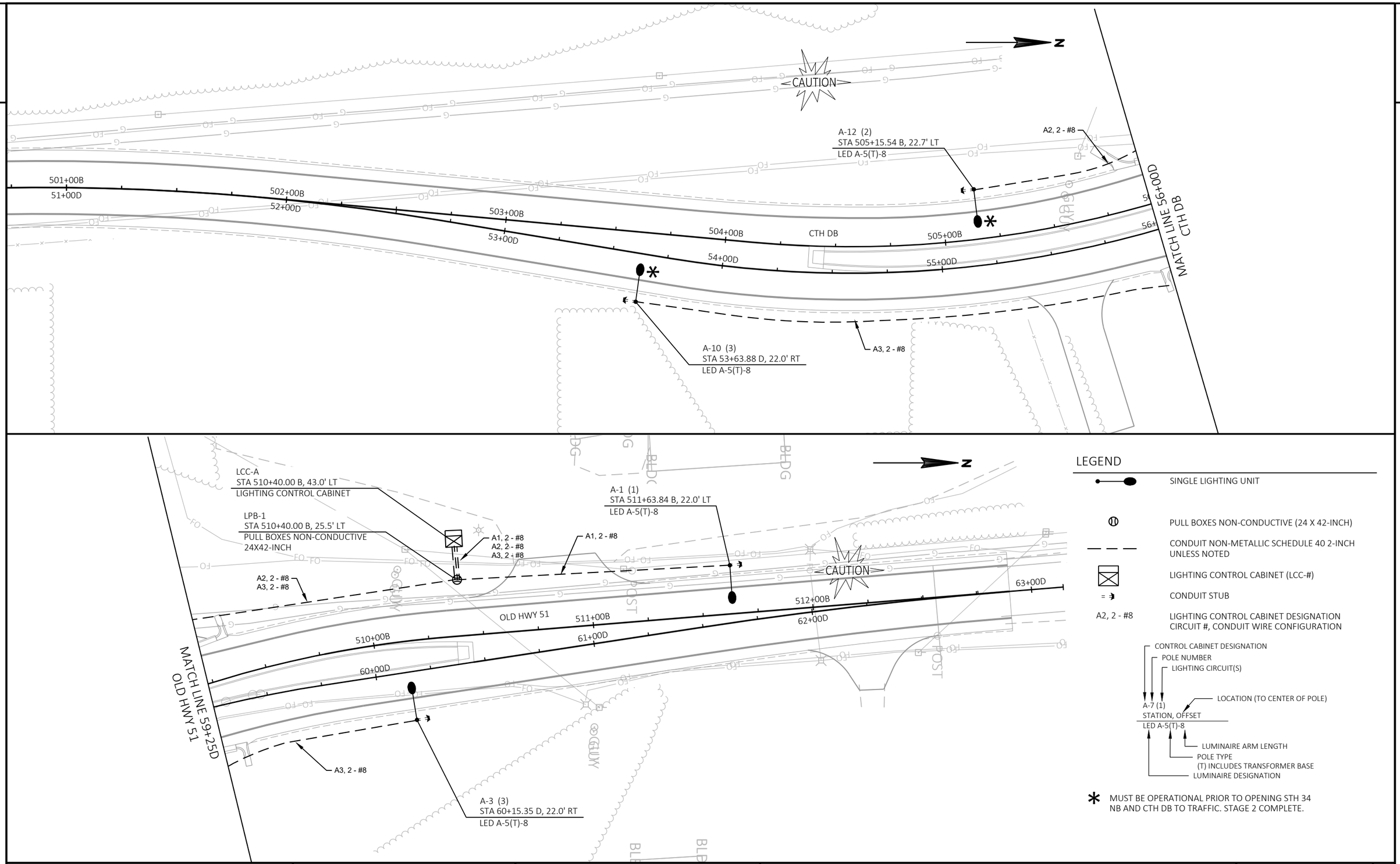
6. ALL EMPTY CONDUITS SHALL INCLUDE LOCATING WIRE.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	LIGHTING PLAN (ROUNDABOUT SYSTEM L37-2000)	SHEET 46	E



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	LIGHTING PLAN (ROUNDABOUT SYSTEM L37-2000)	SHEET 47	E

2



LEGEND

- SINGLE LIGHTING UNIT
- PULL BOXES NON-CONDUCTIVE (24 X 42-INCH)
- CONDUIT NON-METALLIC SCHEDULE 40 2-INCH UNLESS NOTED
- LIGHTING CONTROL CABINET (LCC-#)
- CONDUIT STUB
- A2, 2 - #8 — LIGHTING CONTROL CABINET DESIGNATION CIRCUIT #, CONDUIT WIRE CONFIGURATION

* MUST BE OPERATIONAL PRIOR TO OPENING STH 34 NB AND CTH DB TO TRAFFIC. STAGE 2 COMPLETE.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	LIGHTING PLAN (ROUNDABOUT SYSTEM L37-2000)	SHEET 48	E

2

ADVANCED NOTICE SIGN PLACEMENT

PLACE 7 DAY PRIOR TO CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS

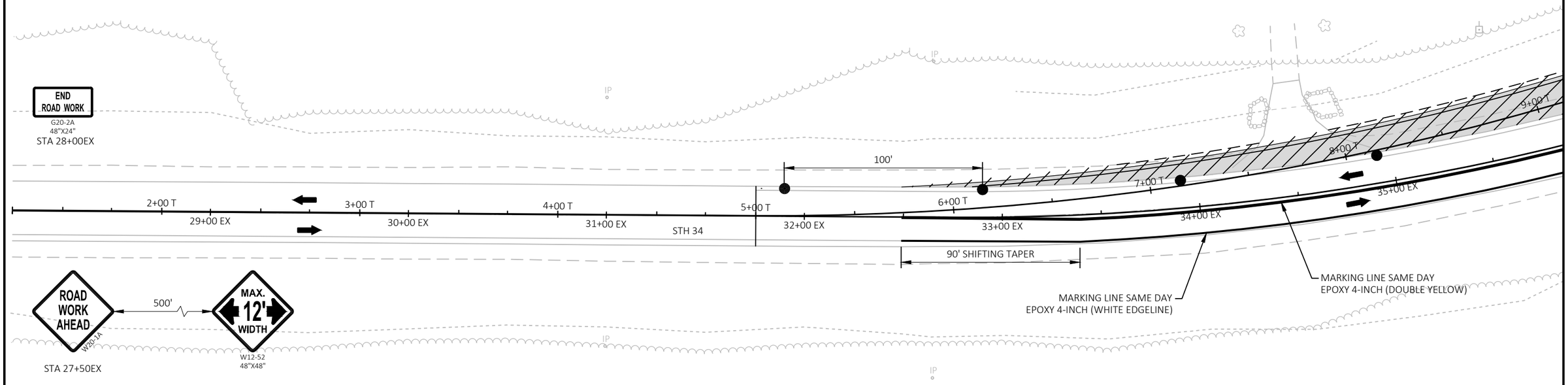
HWY 34
ROAD WORK
BEGINS XXX-XX

G20-57
72"X36"

LOCATION TO INSTALL:

- BEGINNING OF PROJECT FOR NB TRAFFIC
- END OF PROJECT FOR SB TRAFFIC
- IH 39/USH 51 SB OFF RAMP

N

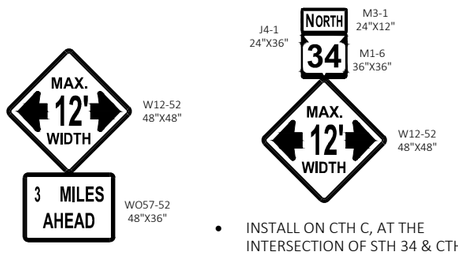


NOTE:
SEE SDD TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR MORE INFORMATION

SEE PLAN AND PROFILE - TEMPORARY ROAD FOR MORE INFORMATION

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

WIDTH RESTRICTION SIGN PLACEMENT



INSTALL SOUTH OF STH 34 & CTH C INTERSECTION

- INSTALL ON CTH C, AT THE INTERSECTION OF STH 34 & CTH C
- INSTALL ON USH 10 EB, PRIOR TO STH 34 NORTH EXIT

LEGEND

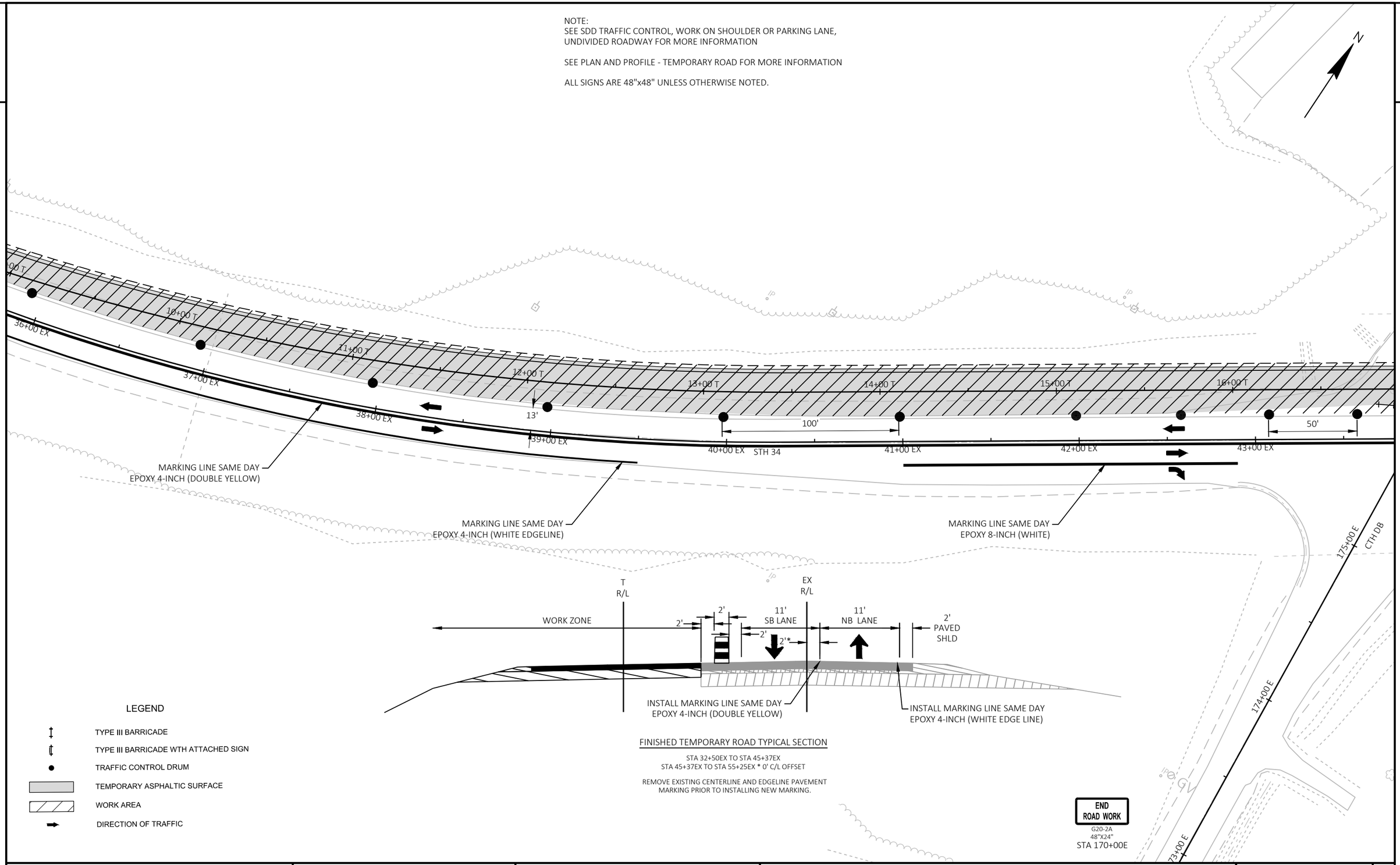
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TEMPORARY ASPHALTIC SURFACE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 1	SHEET 49	E

NOTE:
SEE SDD TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR MORE INFORMATION

SEE PLAN AND PROFILE - TEMPORARY ROAD FOR MORE INFORMATION

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.



FINISHED TEMPORARY ROAD TYPICAL SECTION

STA 32+50EX TO STA 45+37EX
STA 45+37EX TO STA 55+25EX * 0' C/L OFFSET

REMOVE EXISTING CENTERLINE AND EDGELINE PAVEMENT MARKING PRIOR TO INSTALLING NEW MARKING.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TEMPORARY ASPHALTIC SURFACE
- WORK AREA
- DIRECTION OF TRAFFIC

END
ROAD WORK
G20-2A
48"X24"
STA 170+00E

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 1	SHEET 50	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - S1-02

PLOT DATE : 1/31/2022 4:33 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

END ROAD WORK
G20-2A
48"X24"
STA 181+00E

178+00 E

177+00E

176+00 E

OLD HWY 51

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE | TYPE III BARRICADE | TYPE III BARRICADE | TYPE III BARRICADE | TYPE III BARRICADE

MARKING LINE SAME DAY
EPOXY 4-INCH (DOUBLE YELLOW)

17+00 T | 18+00 T | 19+00 T | 20+00 T | 21+00 T | 22+00 T | 23+00 T | 24+00 T

44+00 EX | 45+00 EX | 46+00 EX | 47+00 EX | 48+00 EX | 49+00 EX | 50+00 EX | 51+00 EX

50' | 13' | 100'

STH 34

90' SHIFTING TAPER

CTH DB

ROAD WORK AHEAD
W20-1A
STA 170+00E

ADVANCED WARNING SIGN PLACEMENT

ROAD CLOSED AHEAD
W20-3A

INSTALL AT THE INTERSECTIONS OF:
- OLD 51 ROAD & LOCKER ROAD

ROAD CLOSED 500 FT
W20-3D

INSTALL AT STA 183+00E

OLD HWY 51 CLOSED AT WIS 34
60"X36"

INSTALL AT THE INTERSECTIONS OF:
- STH 153 & OLD HWY 51

N

NOTE:
SEE SDD TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR MORE INFORMATION

SEE PLAN AND PROFILE - TEMPORARY ROAD FOR MORE INFORMATION

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TEMPORARY ASPHALTIC SURFACE
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 1	SHEET 51	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - S1-03
PLOT DATE : 1/31/2022 4:33 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A
500' FROM BEGIN OF INTERSECTION

I39/US 51 SB OFF RAMP

WIDTH RESTRICTION SIGN PLACEMENT

J4-1
SOUTH
34
M3-3 36"X18"
M1-6 36"X36"
MAX. 12' WIDTH
W12-52 48"X48"

INSTALL ON LT & RT SHOULDERS OF I39/US 51 SB AND I39/US 51 NB 1000' PRIOR TO STH 34 OFF RAMPS

MOVE EXISTING SIGNS

STOP

SHOULDER WORK
W21-5
500'
ROAD WORK AHEAD
W20-1A
STA 61+50EX

50'

25+00 T
26+00 T
27+00 T
28+00 T
29+00 T
30+00 T
52+00 EX
53+00 EX
54+00 EX
55+00 EX
56+00 EX
57+00 EX
58+00 EX
59+00 EX
STH 34

FOR RAMP INFORMATION - SEE DETOUR PLAN SHEET AND SPECIAL PROVISIONS

END ROAD WORK
G20-2A
48"X24"
STA 61+75EX

I39/US 51 SB ON RAMP

I39/US 51 SB

I39/US 51 NB

INL

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TEMPORARY ASPHALTIC SURFACE
- WORK AREA
- DIRECTION OF TRAFFIC

END ROAD WORK
G20-2A
48"X24"
500' FROM BEGIN OF INTERSECTION

NOTE:
SEE SDD TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR MORE INFORMATION

SEE PLAN AND PROFILE - TEMPORARY ROAD FOR MORE INFORMATION

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 1	SHEET 52	E

NOTE: ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

N

END ROAD WORK

INSTALLED
IN STAGE 1
STA 0+00T

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)
MUST BE INSTALLED PRIOR TO TRAFFIC
OPEN TO TEMPORARY ROADWAY

1+00 NB
2+00 T
2+00 NB
3+00 T
3+00 NB
4+00 T
STH 34
4+00 NB
5+00 T
5+00 NB
6+00 T
6+00 NB
7+00 T
7+00 NB
8+00 T
9+00 T

22'

FROM END OF
BARRIER TO EDGE
OF LANE

50'

ROAD WORK AHEAD W20-1A

500'

MAX. 12' WIDTH

W12-52
48"X48"

500'

W01-4L

STA 0+00T

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)
MUST BE INSTALLED PRIOR TO TRAFFIC
OPEN TO TEMPORARY ROADWAY

W01-6
48" X 24"

TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

WIDTH RESTRICTION SIGN PLACEMENT

INSTALLED
IN STAGE 1

MAX. 12' WIDTH

3 MILES AHEAD

INSTALLED SOUTH OF STH 34 &
CTH C INTERSECTION

NORTH 34

MAX. 12' WIDTH

- INSTALL ON CTH C, AT THE INTERSECTION OF STH 34 & CTH C
- INSTALL ON USH 10 EB, PRIOR TO STH 34 NORTH EXIT

ADVANCED WARNING SIGN PLACEMENT

ROAD WORK AHEAD W20-1A

INSTALL AT THE INTERSECTION OF
STH 34 & DEPOT ROAD

LEGEND

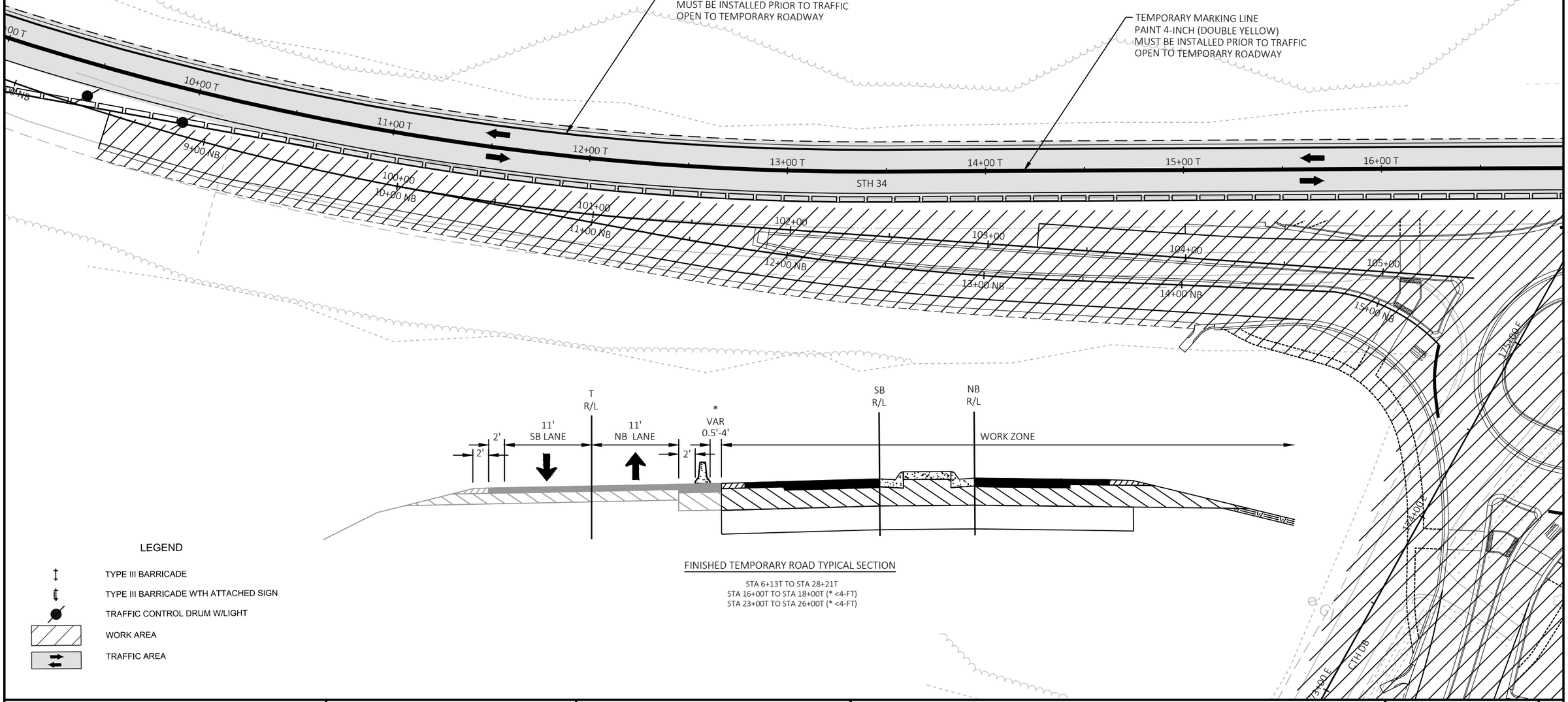
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM W/LIGHT
- WORK AREA
- TRAFFIC AREA

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 2	SHEET 53	E

NOTE: ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)
MUST BE INSTALLED PRIOR TO TRAFFIC
OPEN TO TEMPORARY ROADWAY

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)
MUST BE INSTALLED PRIOR TO TRAFFIC
OPEN TO TEMPORARY ROADWAY



FINISHED TEMPORARY ROAD TYPICAL SECTION

STA 6+13T TO STA 28+21T
STA 16+00T TO STA 18+00T (* <4-FT)
STA 23+00T TO STA 26+00T (* <4-FT)

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM W/LIGHT
- WORK AREA
- TRAFFIC AREA

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 2	SHEET 54	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - S2-02

PLOT DATE : 1/31/2022 4:34 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

END ROAD WORK
INSTALLED IN STAGE 1

178+00 E
OLD HWY 51
177+00 E

R11-2 48" X 30"
ROAD CLOSED
TYPE III BARRICADE
INSTALLED IN STAGE 1

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)
MUST BE INSTALLED PRIOR TO TRAFFIC
OPEN TO TEMPORARY ROADWAY

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)
MUST BE INSTALLED PRIOR TO TRAFFIC
OPEN TO TEMPORARY ROADWAY

ADVANCED WARNING SIGN PLACEMENT

ROAD CLOSED AHEAD W20-3A

ROAD CLOSED 500 FT W20-3D

OLD HWY 51 CLOSED AT WIS 34

INSTALL AT THE INTERSECTIONS OF:
- OLD 51 ROAD & LOCKER ROAD (INSTALLED IN STAGE 1)
- CTH DB & PALM TREE LN
- CTH DB & CTH C
- STA 183+00E (INSTALLED IN STAGE 1)
- STA 162+00E

INSTALL AT THE INTERSECTIONS OF:
- STH 153 & OLD HWY 51 (INSTALLED IN STAGE 1)

N

17+00 T
176+00 E
18+00 T
19+00 T
20+00 T
21+00 T
22+00 T
23+00 T
24+00 T
STH 34

107+00
108+00
18+00 NB
109+00
19+00 NB
110+00
20+00 NB
111+00
21+00 NB
112+00
22+00 NB
113+00
23+00 NB

WO1-4L

R11-2 48" X 30"
ROAD CLOSED
TYPE III BARRICADE
STA 167+00E

NOTE: ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

LEGEND
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM W/LIGHT
- WORK AREA
- TRAFFIC AREA

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 2	SHEET 55	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - S2-03
PLOT DATE : 1/31/2022 4:34 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

2

ROAD WORK AHEAD

500' FROM BEGIN OF RAMP INSTALLED IN STAGE 1

I39/US 51 SB OFF RAMP

WIDTH RESTRICTION SIGN PLACEMENT

INSTALLED IN STAGE 1

SOUTH 34

MAX. 12' WIDTH

INSTALL ON LT & RT SHOULDERS OF I39/US 51 SB AND I39/US 51 NB 1000' PRIOR TO STH 34 OFF RAMPS

MOVED IN STAGE 1

STOP

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)
MUST BE INSTALLED PRIOR TO TRAFFIC
OPEN TO TEMPORARY ROADWAY

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)
MUST BE INSTALLED PRIOR TO TRAFFIC
OPEN TO TEMPORARY ROADWAY

W01-4R

STA 32+50T

250'

MAX. 12' WIDTH

W12-52
48"X48"

500'

ROAD WORK AHEAD

INSTALLED IN STAGE 1

25+00 T

26+00 T

27+00 T

28+00 T

29+00 T

30+00 T

18'

114+00

24+00 NB

115+00

25+00 NB

4:1 TAPER

26+00 NB

27+00 NB

28+00 NB

STH 34

29+00 NB

30+00 NB

31+00 NB

50'

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH
(WHITE)

TEMPORARY MARKING LINE
REMOVABLE TAPE 8-INCH
(WHITE)

MB3-3
24"X12"

SOUTH SOUTH
ALTERNATE
39 51

M3-3
24"X12"

M1-1
24"X24"

M1-4
24"X24"

M6-1
21"X21"

M6-1
21"X21"

J2-2
48"X57"

BEGIN RIGHT TURN LANE

R3-20R
24"X36"

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

TYPE III BARRICADE

END ROAD WORK

INSTALLED IN STAGE 1

I39/US 51 SB

I39/US 51 NB

I39/US 51 SB ON RAMP

INL

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

TRAFFIC CONTROL DRUM

WORK AREA

TRAFFIC AREA

END ROAD WORK

500' FROM BEGIN OF RAMP INSTALLED IN STAGE 1

NOTE: ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

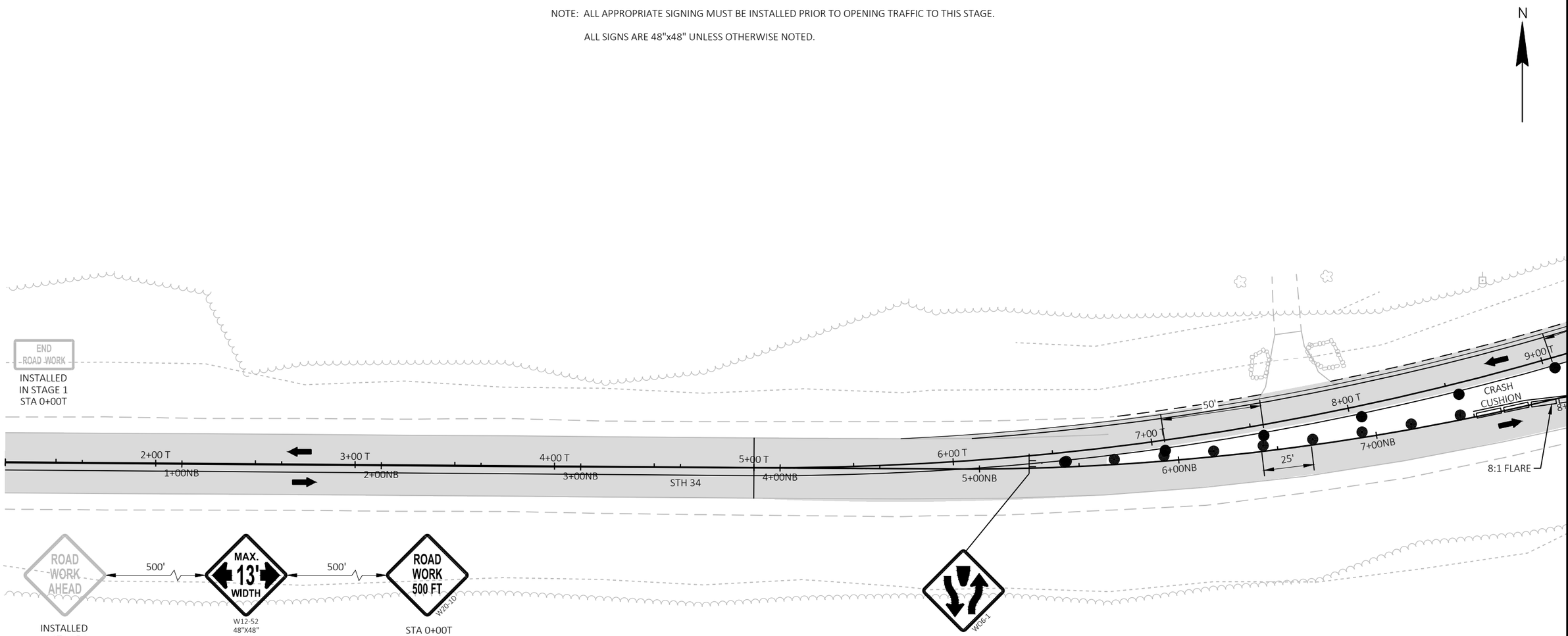
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 2	SHEET 56	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - S2-04

PLOT DATE : 1/31/2022 4:34 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTE: ALL APPROPRIATE SIGNING MUST BE INSTALLED PRIOR TO OPENING TRAFFIC TO THIS STAGE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.



WIDTH RESTRICTION SIGN PLACEMENT

INSTALLED IN STAGE 1

MAX. 13' WIDTH
W12-52 48"X48"

INSTALL IN STAGE 3

3 MILES AHEAD

INSTALLED SOUTH OF STH 34 & CTH C INTERSECTION

NORTH 34

MAX. 13' WIDTH
W12-52 48"X48"

- INSTALL ON CTH C, AT THE INTERSECTION OF STH 34 & CTH C
- INSTALL ON USH 10 EB, PRIOR TO STH 34 NORTH EXIT

ADVANCED WARNING SIGN PLACEMENT

INSTALLED IN STAGE 2

ROAD WORK AHEAD

INSTALLED AT THE INTERSECTION OF STH 34 & DEPOT STREET

LEGEND

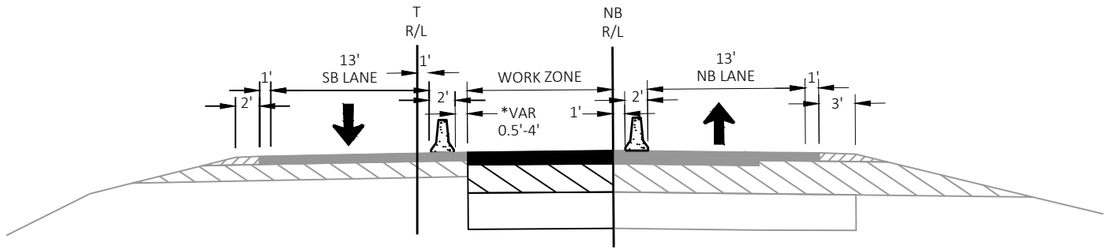
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- TRAFFIC AREA

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 3	SHEET 57	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026201_S3.DWG
LAYOUT NAME - S3-01

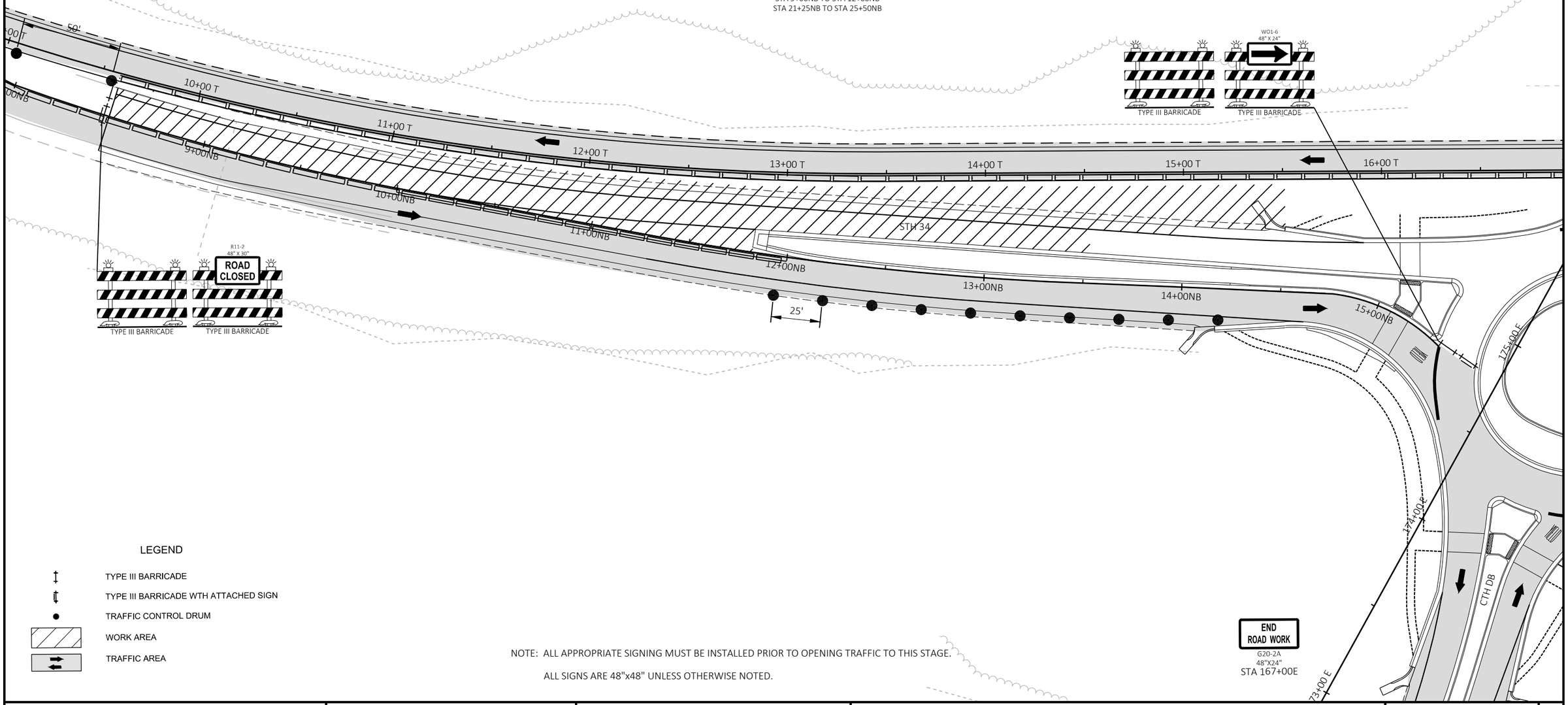
PLOT DATE : 1/31/2022 4:36 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42



FINISHED TEMPORARY ROAD TYPICAL SECTION

STA 10+50T TO STA 28+21T
STA 13+50T TO STA 22+50T (* >4')
STA 9+00NB TO STA 12+00NB
STA 21+25NB TO STA 25+50NB



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- TRAFFIC AREA

NOTE: ALL APPROPRIATE SIGNING MUST BE INSTALLED PRIOR TO OPENING TRAFFIC TO THIS STAGE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 3	SHEET 58	E

2

2

ADVANCED WARNING SIGN PLACEMENT
INSTALLED IN STAGE 1

ROAD CLOSED AHEAD

INSTALLED AT THE INTERSECTIONS OF:
- OLD 51 ROAD & LOCKER ROAD

ROAD CLOSED 500 FT

INSTALLED AT STA 183+00E

OLD HWY 51 CLOSED AT WIS 34

INSTALLED AT THE INTERSECTIONS OF:
- STH 153 & OLD HWY 51

END ROAD WORK
INSTALLED IN STAGE 1

178+00 E

OLD HWY 51

177+00 E

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
INSTALLED IN STAGE 1
TYPE III BARRICADE
TYPE III BARRICADE

17+00 T
176+00 E
18+00 T
19+00 T
20+00 T
21+00 T
22+00 T
23+00 T
24+00 T

W01-6
48" X 24"
TYPE III BARRICADE
TYPE III BARRICADE

STH 34

8:1 TAPER
10'
25'

17+00NB
18+00NB
19+00NB
20+00NB
21+00NB
22+00NB
23+00NB

ROAD WORK AHEAD
W20-1A
STA 167+00E

NOTE: ALL APPROPRIATE SIGNING MUST BE INSTALLED PRIOR TO OPENING TRAFFIC TO THIS STAGE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

LEGEND
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- TRAFFIC AREA

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 3	SHEET 59	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026201_S3.DWG
LAYOUT NAME - S3-03
PLOT DATE : 1/31/2022 4:36 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

WIDTH RESTRICTION SIGN PLACEMENT

SOUTH 34 — INSTALLED IN STAGE 2

MAX. 13' WIDTH — W12-52 48"X48"

INSTALL ON LT & RT SHOULDERS OF I39/US 51 SB AND I39/US 51 NB PRIOR TO STH 34 OFF RAMPS

ROAD WORK AHEAD — 500' FROM BEGIN OF RAMP INSTALLED IN STAGE 1

I39/US 51 SB OFF RAMP

MOVED IN STAGE 1

STOP

TEMPORARY CRASH CUSHION REQ'D

STA 32+50T INSTALLED IN STAGE 2

250'

MAX. 13' WIDTH — W12-52 48"X48"

500'

ROAD WORK AHEAD — INSTALLED IN STAGE 1

25+00 T

26+00 T

27+00 T

28+00 T

29+00 T

30+00 T

50'

25'

20'

8:1 FLARE

24+00NB

25+00NB

26+00NB

27+00NB

28+00NB

STH 34

29+00NB

30+00NB

31+00NB

END ROAD WORK — INSTALLED IN STAGE 1

I39/US 51 SB

I39/US 51 NB

I39/US 51 SB ON RAMP

END ROAD WORK — 500' FROM BEGIN OF RAMP INSTALLED IN STAGE 1

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- TRAFFIC AREA

NOTE: ALL APPROPRIATE SIGNING MUST BE INSTALLED PRIOR TO OPENING TRAFFIC TO THIS STAGE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 3	SHEET 60	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026201_S3.DWG
LAYOUT NAME - S3-04

PLOT DATE : 1/31/2022 4:36 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

END
ROAD WORK

INSTALLED
IN STAGE 1
STA 0+00NB

100'

1+00NB

2+00NB

3+00NB

STH 34

4+00NB

5+00NB

6+00NB

7+00NB

8+

ROAD
WORK
AHEAD

W20-1A

STA 0+00NB

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- DIRECTION OF TRAFFIC

NOTE: ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 4	SHEET 61	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026301_S4.DWG
LAYOUT NAME - S4-01

PLOT DATE : 1/31/2022 4:37 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

9+00NB

10+00NB

11+00NB

12+00NB

13+00NB

14+00NB

15+00NB

100+00 SB

101+00 SB

102+00 SB

103+00 SB

104+00 SB

105+00 SB

50'

STH 34

CTH DB

506+00 B

56+00D

END
ROAD WORK

INSTALLED
IN STAGE 3

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- DIRECTION OF TRAFFIC

NOTE: ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 4	SHEET 62	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026301_S4.DWG
LAYOUT NAME - S4-02

PLOT DATE : 1/31/2022 4:37 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

END ROAD WORK
INSTALLED IN STAGE 1

511+00B
61+00D
510+00B
60+00D
OLD HWY 51
509+00B
59+00D

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
STA 63+00D

WO1-6
48" X 24"
TYPE III BARRICADE
TYPE III BARRICADE

ADVANCED WARNING SIGN PLACEMENT

ROAD CLOSED AHEAD

ROAD CLOSED 500 FT
W20-3D

INSTALLED AT THE INTERSECTIONS OF:
- OLD 51 ROAD & LOCKER ROAD (INSTALLED IN STAGE 1)

INSTALL AT STA 518+00B

N

107+00 SB
108+00 SB
17+00NB
18+00NB
109+00 SB
STH 34
19+00NB
20+00NB
110+00 SB
50'
111+00 SB
21+00NB
22+00NB
112+00 SB
113+00 SB
23+00NB

ROAD WORK AHEAD
INSTALLED IN STAGE 3
STA 167+00E

NOTE: ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

LEGEND
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 4	SHEET 63	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\026301_S4.DWG
LAYOUT NAME - S4-03
PLOT DATE : 1/31/2022 4:37 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

ROAD WORK AHEAD

500' FROM BEGIN OF RAMP INSTALLED IN STAGE 1

I39/US 51 SB OFF RAMP

WO1-6 48" X 24"

TYPE III BARRICADE

TYPE III BARRICADE

MOVED IN STAGE 1

STOP

CLOSE RIGHT TURN LANE OPEN AFTER WORK IS COMPLETED

SHOULDER WORK W21-5

500'

ROAD WORK AHEAD

STA 34+50NB

INSTALLED IN STAGE 1

50'

114+00 SB

115+00 SB

24+00NB

25+00NB

26+00NB

27+00NB

28+00NB

STH 34

29+00NB

30+00NB

31+00NB

END ROAD WORK

INSTALLED IN STAGE 1

I39/US 51 SB

I39/US 51 NB

I39/US 51 SB ON RAMP

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- DIRECTION OF TRAFFIC

END ROAD WORK

500' FROM BEGIN OF RAMP INSTALLED IN STAGE 1

NOTE: ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	STAGE CONSTRUCTION - STAGE 4	SHEET 64	E

PCMS INSTALLED 7 DAYS PRIOR TO RAMP CLOSURE

PHASE 1	PHASE 2
NIGHTLY RAMP CLOSURE	MONTH DAY TIME-TIME

PCMS INSTALLED DURING CLOSURE

PHASE 1	PHASE 2
EXIT 175 CLOSED	USE EXIT 171

INSTALL PORTABLE CHANGEABLE MESSAGE SIGN
APPROXIMATELY 1 MILE PRIOR TO EXIT 172 SB OFF RAMP

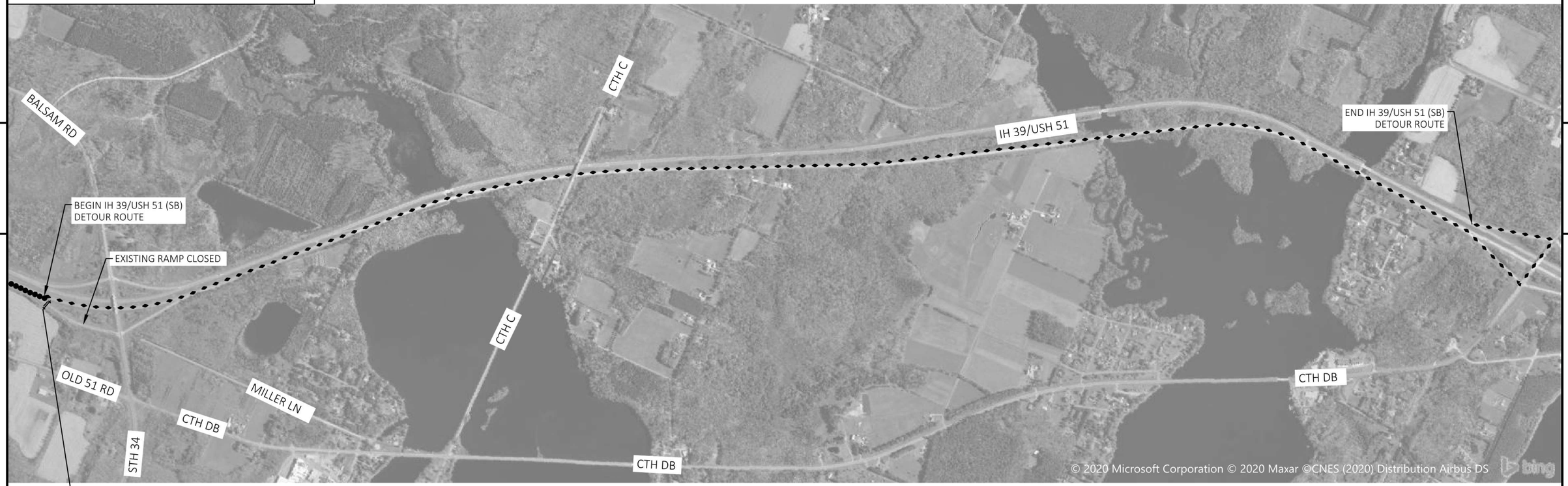
DETOUR ROUTE OVERVIEW

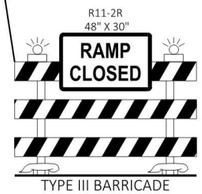
IH 39/USH 51 (SB) OFF RAMP TO STH 34 CLOSURE

N

LEGEND

- IH 39/USH 51 (SB) DETOUR ROUTE
- TYPE III BARRICADE (WITH TYPE A LIGHT)
- TRAFFIC CONTROL DRUM





TYPE III BARRICADE

NOTE: SEE SDD TRAFFIC CONTROL, EXIT LANE CLOSURE FOR REQUIRED SIGN, SIGN PLACEMENT AND MORE INFORMATION. (PORTABLE CHANGEABLE MESSAGE SIGNS WILL BE USED INSTEAD OF MARKING DETOUR DUE TO NIGHT TIME CLOSURES ONLY)

SCALE, FEET 0 750 1500

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	DETOUR - STAGE 1	SHEET 65	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 01-dt

PLOT DATE : 1/31/2022 4:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 44

N

SUPERELEVATION TABLE - STH 34 SB					
STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
93+15.92SB	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
93+69.26SB	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
94+22.59SB	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
94+75.92SB	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
95+29.26SB	BEGIN FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
99+46.67SB	END FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
100+00.00SB	LOW SHOULDER MATCH	-4.50%	-4.50%	4.50%	4.50%
100+53.34SB	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
101+06.67SB	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
101+60.01SB	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
108+45.26SB	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
108+98.76SB	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
109+52.26SB	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
110+05.76SB	BEGIN FULL SUPER	4.00%	4.00%	-4.00%	-4.00%
113+53.12SB	END FULL SUPER	4.00%	4.00%	-4.00%	-4.00%
114+06.62SB	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
114+60.12SB	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
115+13.62SB	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%

PI STA = 100+77.43 SB
Y = 116866.861
X = 267103.973
DELTA = 7°01'21" LT
D = 4°32'25"
T = 77.43'
L = 154.67'
R = 1261.93'
PC STA = 100+00.00 SB
Y = 116836.569
X = 267032.712
PT STA = 101+54.67 SB
Y = 116905.638
X = 267170.996
DB = N66°58'14"E
DA = N59°56'53"E

PI STA = 107+13.33 SB
Y = 117128.613
X = 267675.110
DELTA = 31°27'25" LT
D = 63°39'43"
T = 25.35'
L = 49.41'
R = 90.00'
PC STA = 106+87.98 SB
Y = 117130.615
X = 267649.843
PT STA = 107+37.39 SB
Y = 117140.091
X = 267697.709
DB = S85°28'10"E
DA = N63°04'24"E

PI STA = 107+55.01 SB
Y = 117148.693
X = 267713.077
DELTA = 6°34'00" LT
D = 18°39'47"
T = 17.61'
L = 35.18'
R = 307.00'
PC STA = 107+37.39 SB
Y = 117140.091
X = 267697.709
PT STA = 107+72.58 SB
Y = 117158.996
X = 267727.360
DB = N60°45'45"E
DA = N54°11'46"E

PI STA = 108+27.09 SB
Y = 117190.614
X = 267771.758
DELTA = 15°13'29" LT
D = 14°02'56"
T = 54.51'
L = 108.37'
R = 407.83'
PC STA = 107+72.58 SB
Y = 117158.996
X = 267727.360
PT STA = 108+80.95 SB
Y = 117232.782
X = 267806.294
DB = N54°32'35"E
DA = N39°19'06"E

PI STA = 111+80.81 SB
Y = 117460.719
X = 268001.133
DELTA = 15°59'31" RT
D = 3°49'10"
T = 210.71'
L = 418.68'
R = 1500.06'
PC STA = 109+70.10 SB
Y = 117300.526
X = 267864.249
PT STA = 113+88.78 SB
Y = 117577.001
X = 268176.853
DB = N40°30'49"E
DA = N56°30'20"E

PI STA = 18+28.24 NB
Y = 117175.143
X = 267774.300
DELTA = 12°50'01" LT
D = 8°08'39"
T = 79.12'
L = 157.58'
R = 703.52'
PC STA = 17+49.12 NB
Y = 117127.628
X = 267711.036
PT STA = 19+06.70 NB
Y = 117235.524
X = 267825.429
DB = N53°05'27"E
DA = N40°15'27"E

PI STA = 22+44.02 NB
Y = 117491.028
X = 268045.659
DELTA = 15°58'46" RT
D = 4°46'16"
T = 168.55'
L = 334.91'
R = 1200.86'
PC STA = 20+75.47 NB
Y = 117363.361
X = 267935.612
PT STA = 24+10.38 NB
Y = 117583.466
X = 268186.600
DB = N40°45'40"E
DA = N56°44'26"E

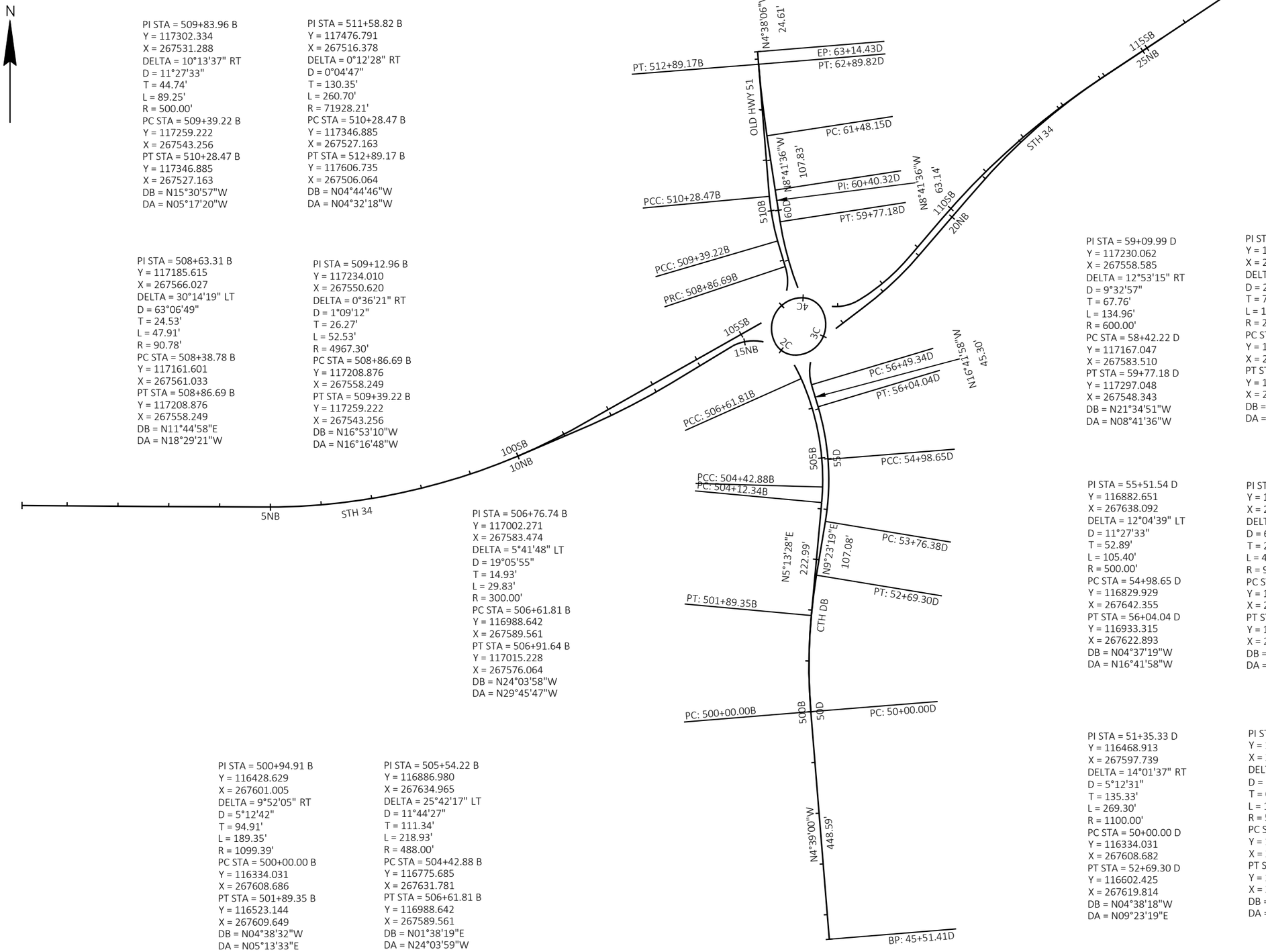
PI STA = 7+41.77 NB
Y = 116732.867
X = 266787.933
DELTA = 23°42'43" LT
D = 4°31'28"
T = 265.84'
L = 524.07'
R = 1266.33'
PC STA = 4+75.93 NB
Y = 116736.354
X = 266522.115
PT STA = 10+00.00 NB
Y = 116836.569
X = 267032.712
DB = S89°14'54"E
DA = N67°02'23"E

PI STA = 12+22.45 NB
Y = 116922.640
X = 267237.831
DELTA = 8°12'20" LT
D = 3°44'37"
T = 109.78'
L = 219.18'
R = 1530.45'
PC STA = 11+12.67 NB
Y = 116880.675
X = 267136.389
PT STA = 13+31.85 NB
Y = 116978.653
X = 267332.245
DB = N67°31'34"E
DA = N59°19'14"E

PI STA = 14+03.75 NB
Y = 117015.973
X = 267393.701
DELTA = 0°20'39" RT
D = 0°14'22"
T = 71.90'
L = 143.80'
R = 23942.09'
PC STA = 13+31.85 NB
Y = 116978.653
X = 267332.245
PT STA = 14+75.65 NB
Y = 117052.923
X = 267455.380
DB = N58°43'53"E
DA = N59°04'32"E

PI STA = 15+07.86 NB
Y = 117067.505
X = 267484.099
DELTA = 39°22'56" RT
D = 63°39'43"
T = 32.21'
L = 61.86'
R = 90.00'
PC STA = 14+75.65 NB
Y = 117052.923
X = 267455.380
PT STA = 15+37.51 NB
Y = 117060.553
X = 267515.549
DB = N63°04'52"E
DA = S77°32'12"E

SUPERELEVATION TABLE - STH 34 NB					
STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
3+15.92NB	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
3+69.26NB	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
4+22.59NB	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
4+75.92NB	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
5+29.26NB	BEGIN FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
9+46.67NB	END FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
10+00.01NB	LOW SHOULDER MATCH	-4.50%	-4.50%	4.50%	4.50%
10+53.34NB	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
11+06.67NB	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
11+60.01NB	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
12+13.34NB	BEGIN NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
18+97.13NB	END NORMAL SHOULDER	-4.00%	-2.00%	-2.00%	-4.00%
19+50.63NB	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
20+04.13NB	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
20+57.63NB	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
21+11.13NB	BEGIN FULL SUPER	4.00%	4.00%	-4.00%	-4.00%
23+74.72NB	END FULL SUPER	4.00%	4.00%	-4.00%	-4.00%
24+28.22NB	REVERSE CROWN	2.00%	2.00%	-2.00%	-4.00%
24+81.72NB	LEVEL CROWN	0.00%	0.00%	-2.00%	-4.00%
25+35.22NB	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%

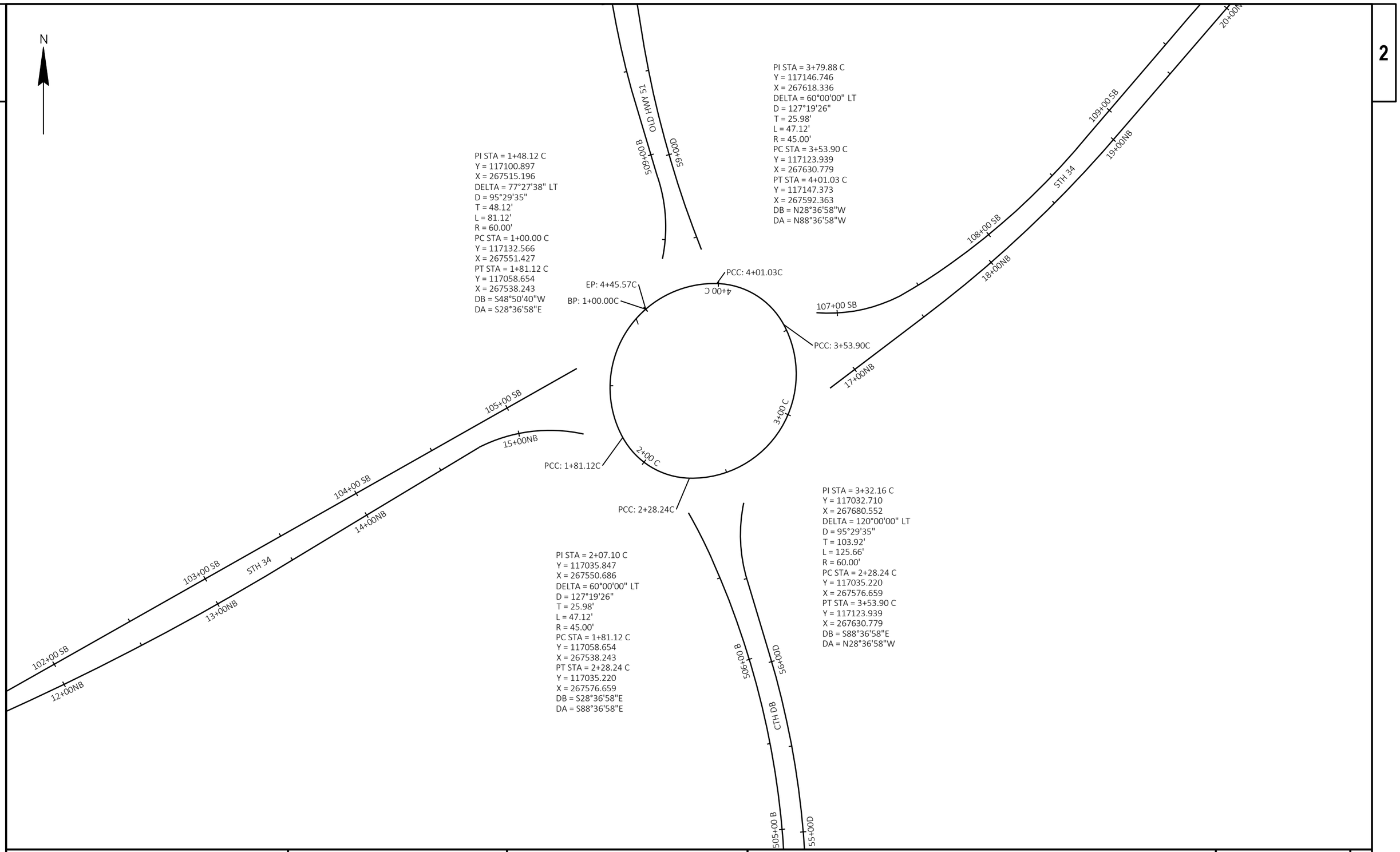


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	ALIGNMENT - CTH DB/OLD 51 ROAD	SHEET 67	E

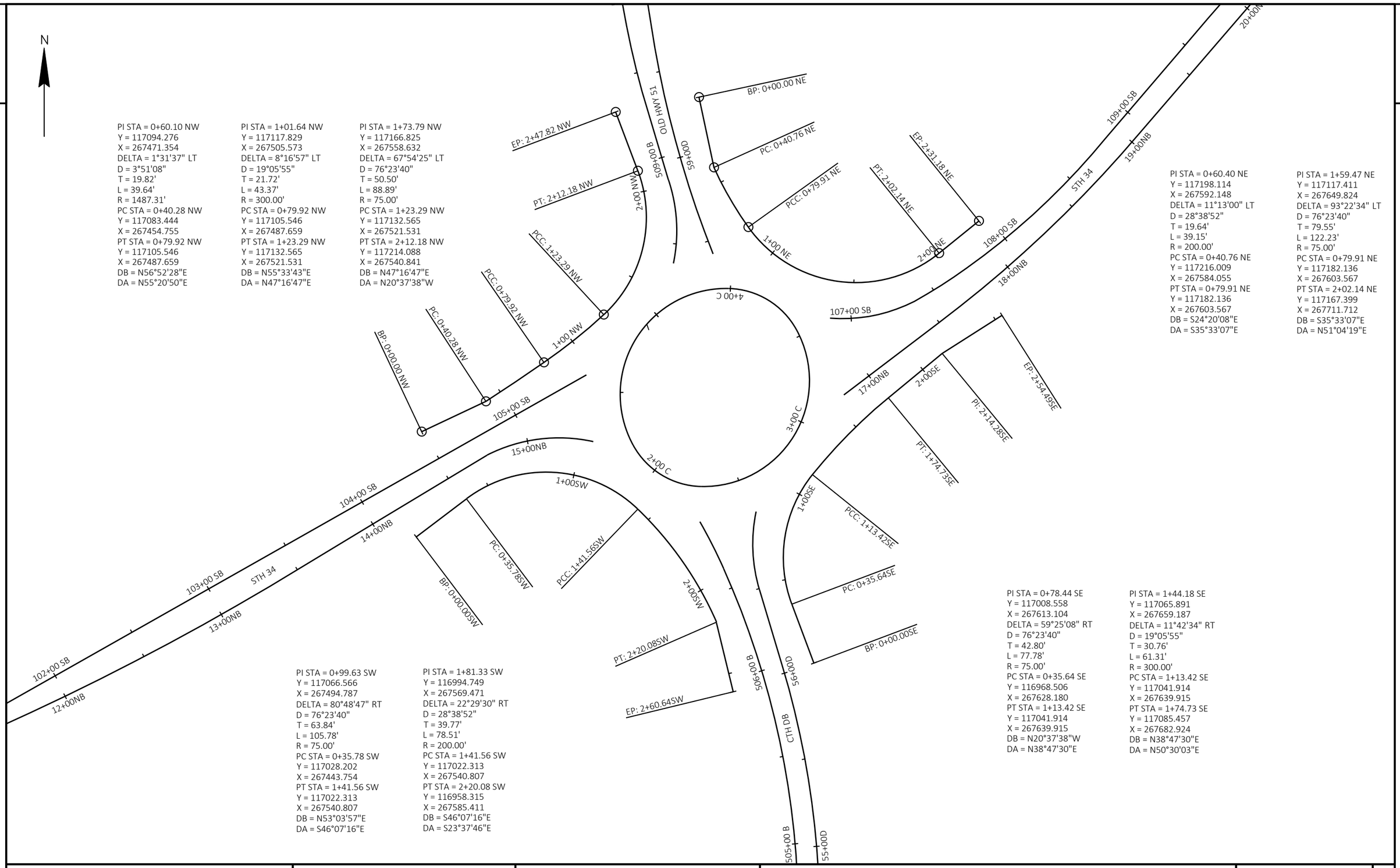
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LAYOUT NAME - 027202_ad

PLOT DATE : 1/31/2022 4:39 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	ALIGNMENT - ROUNDABOUT	SHEET 68	E



PI STA = 0+60.10 NW
Y = 117094.276
X = 267471.354
DELTA = 1°31'37" LT
D = 3°51'08"
T = 19.82'
L = 39.64'
R = 1487.31'
PC STA = 0+40.28 NW
Y = 117083.444
X = 267454.755
PT STA = 0+79.92 NW
Y = 117105.546
X = 267487.659
DB = N56°52'28"E
DA = N55°20'50"E

PI STA = 1+01.64 NW
Y = 117117.829
X = 267505.573
DELTA = 8°16'57" LT
D = 19°05'55"
T = 21.72'
L = 43.37'
R = 300.00'
PC STA = 0+79.92 NW
Y = 117105.546
X = 267487.659
PT STA = 1+23.29 NW
Y = 117132.565
X = 267521.531
DB = N55°33'43"E
DA = N47°16'47"E

PI STA = 1+73.79 NW
Y = 117166.825
X = 267558.632
DELTA = 67°54'25" LT
D = 76°23'40"
T = 50.50'
L = 88.89'
R = 75.00'
PC STA = 1+23.29 NW
Y = 117132.565
X = 267521.531
PT STA = 2+12.18 NW
Y = 117214.088
X = 267540.841
DB = N47°16'47"E
DA = N20°37'38"W

PI STA = 0+60.40 NE
Y = 117198.114
X = 267592.148
DELTA = 11°13'00" LT
D = 28°38'52"
T = 19.64'
L = 39.15'
R = 200.00'
PC STA = 0+40.76 NE
Y = 117216.009
X = 267584.055
PT STA = 0+79.91 NE
Y = 117182.136
X = 267603.567
DB = S24°20'08"E
DA = S35°33'07"E

PI STA = 1+59.47 NE
Y = 117117.411
X = 267649.824
DELTA = 93°22'34" LT
D = 76°23'40"
T = 79.55'
L = 122.23'
R = 75.00'
PC STA = 0+79.91 NE
Y = 117182.136
X = 267603.567
PT STA = 2+02.14 NE
Y = 117167.399
X = 267711.712
DB = S35°33'07"E
DA = N51°04'19"E

PI STA = 0+99.63 SW
Y = 117066.566
X = 267494.787
DELTA = 80°48'47" RT
D = 76°23'40"
T = 63.84'
L = 105.78'
R = 75.00'
PC STA = 0+35.78 SW
Y = 117028.202
X = 267443.754
PT STA = 1+41.56 SW
Y = 117022.313
X = 267540.807
DB = N53°03'57"E
DA = S46°07'16"E

PI STA = 1+81.33 SW
Y = 116994.749
X = 267569.471
DELTA = 22°29'30" RT
D = 28°38'52"
T = 39.77'
L = 78.51'
R = 200.00'
PC STA = 1+41.56 SW
Y = 117022.313
X = 267540.807
PT STA = 2+20.08 SW
Y = 116958.315
X = 267585.411
DB = S46°07'16"E
DA = S23°37'46"E

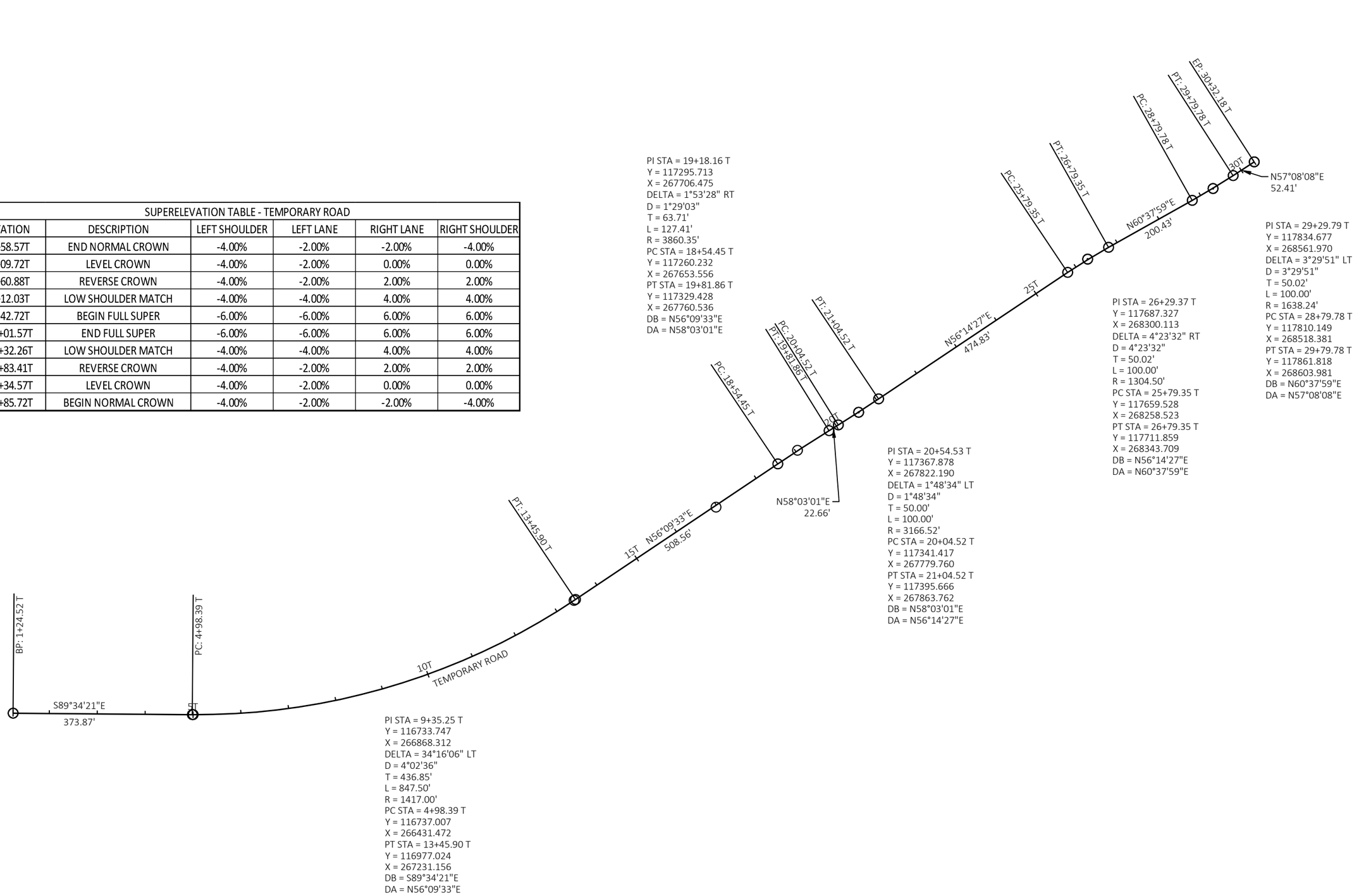
PI STA = 0+78.44 SE
Y = 117008.558
X = 267613.104
DELTA = 59°25'08" RT
D = 76°23'40"
T = 42.80'
L = 77.78'
R = 75.00'
PC STA = 0+35.64 SE
Y = 116968.506
X = 267628.180
PT STA = 1+13.42 SE
Y = 117041.914
X = 267639.915
DB = N20°37'38"W
DA = N38°47'30"E

PI STA = 1+44.18 SE
Y = 117065.891
X = 267659.187
DELTA = 11°42'34" RT
D = 19°05'55"
T = 30.76'
L = 61.31'
R = 300.00'
PC STA = 1+13.42 SE
Y = 117041.914
X = 267639.915
PT STA = 1+74.73 SE
Y = 117085.457
X = 267682.924
DB = N38°47'30"E
DA = N50°30'03"E

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	ALIGNMENT - CURB AND GUTTER QUANDRANTS	SHEET 69	E

N

SUPERELEVATION TABLE - TEMPORARY ROAD					
STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
3+58.57T	END NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%
4+09.72T	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
4+60.88T	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
5+12.03T	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
5+42.72T	BEGIN FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
13+01.57T	END FULL SUPER	-6.00%	-6.00%	6.00%	6.00%
13+32.26T	LOW SHOULDER MATCH	-4.00%	-4.00%	4.00%	4.00%
13+83.41T	REVERSE CROWN	-4.00%	-2.00%	2.00%	2.00%
14+34.57T	LEVEL CROWN	-4.00%	-2.00%	0.00%	0.00%
14+85.72T	BEGIN NORMAL CROWN	-4.00%	-2.00%	-2.00%	-4.00%



2

N

BP: 28+00.00 EX

30EX

S89°35'34"E

473.31'

PC: 32+73.31 EX

35EX

STH 34

40EX

PT: 40+25.76 EX

45EX

N56°08'26"E

1274.56'

50EX

STH 34

PI: 53+00.32 EX

55EX

N56°25'57"E

681.39'

OLD HWY 51

180E

N4°37'18"W

3400.00'

175E

N4°37'18"W

3400.00'

170E

CTH DB

165E

PI STA = 36+61.16 EX
Y = 116733.346
X = 266918.754
DELTA = 34°16'00" LT
D = 4°33'14"
T = 387.85'
L = 752.45'
R = 1258.14'
PC STA = 32+73.31 EX
Y = 116736.103
X = 266530.911
PT STA = 40+25.76 EX
Y = 116949.441
X = 267240.831
DB = S89°35'34"E
DA = N56°08'26"E

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	ALIGNMENT - EXISTING	SHEET 71	E

6610-04-70

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	25.000	25.000
0004	201.0205	Grubbing	STA	25.000	25.000
0006	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000
0008	204.0100	Removing Concrete Pavement	SY	2,647.000	2,647.000
0010	204.0150	Removing Curb & Gutter	LF	412.000	412.000
0012	204.0170	Removing Fence	LF	1,385.000	1,385.000
0014	204.9060.S	Removing (item description) 01. Apron Endwall	EACH	1.000	1.000
0016	205.0100	Excavation Common	CY	12,670.000	12,670.000
0018	205.0400	Excavation Marsh	CY	1,932.000	1,932.000
0020	208.0100	Borrow	CY	5,986.000	5,986.000
0022	213.0100	Finishing Roadway (project) 01. 6610-04-70	EACH	1.000	1.000
0024	305.0110	Base Aggregate Dense 3/4-Inch	TON	517.000	517.000
0026	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	16,608.000	16,608.000
0028	311.0110	Breaker Run	TON	10,181.000	10,181.000
0030	405.0100	Coloring Concrete WisDOT Red	CY	147.000	147.000
0032	416.0512	Concrete Truck Apron 12-Inch	SY	440.000	440.000
0034	416.0610	Drilled Tie Bars	EACH	44.000	44.000
0036	455.0605	Tack Coat	GAL	1,748.000	1,748.000
0038	460.2000	Incentive Density HMA Pavement	DOL	2,500.000	2,500.000
0040	460.7223	HMA Pavement 3 HT 58-28 S	TON	2,534.000	2,534.000
0042	460.7424	HMA Pavement 4 HT 58-28 H	TON	1,362.000	1,362.000
0044	465.0110	Asphaltic Surface Patching	TON	70.000	70.000
0046	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	27.000	27.000
0048	465.0125	Asphaltic Surface Temporary	TON	934.000	934.000
0050	465.0315	Asphaltic Flumes	SY	141.000	141.000
0052	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	2.000	2.000
0054	520.2024	Culvert Pipe Temporary 24-Inch	LF	23.000	23.000
0056	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0058	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	4.000	4.000
0060	521.3112	Culvert Pipe Corrugated Steel 12-Inch	LF	121.000	121.000
0062	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	180.000	180.000
0064	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	6.000	6.000
0066	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	8.000	8.000
0068	601.0105	Concrete Curb Type A	LF	47.000	47.000
0070	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	247.000	247.000
0072	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	82.000	82.000
0074	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,341.000	1,341.000
0076	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	112.000	112.000
0078	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	1,844.000	1,844.000
0080	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	346.000	346.000
0082	602.0405	Concrete Sidewalk 4-Inch	SF	9,966.000	9,966.000
0084	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	160.000	160.000
0086	603.8000	Concrete Barrier Temporary Precast Delivered	LF	2,720.000	2,720.000
0088	603.8125	Concrete Barrier Temporary Precast Installed	LF	4,660.000	4,660.000
0090	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	295.000	295.000
0092	611.0624	Inlet Covers Type H	EACH	4.000	4.000
0094	611.0627	Inlet Covers Type HM	EACH	5.000	5.000
0096	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0098	611.3225	Inlets 2x2.5-FT	EACH	2.000	2.000

6610-04-70

Line	Item	Item Description	Unit	Total	Qty
0100	611.3230	Inlets 2x3-FT	EACH	9.000	9.000
0102	614.0905	Crash Cushions Temporary	EACH	2.000	2.000
0104	616.0100	Fence Woven Wire (height) 01. 4-FT	LF	800.000	800.000
0106	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6610-04-70	EACH	1.000	1.000
0108	619.1000	Mobilization	EACH	1.000	1.000
0110	620.0300	Concrete Median Sloped Nose	SF	454.000	454.000
0112	624.0100	Water	MGAL	273.000	273.000
0114	625.0100	Topsoil	SY	33,000.000	33,000.000
0116	627.0200	Mulching	SY	33,000.000	33,000.000
0118	628.1504	Silt Fence	LF	2,700.000	2,700.000
0120	628.1520	Silt Fence Maintenance	LF	2,700.000	2,700.000
0122	628.1905	Mobilizations Erosion Control	EACH	10.000	10.000
0124	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0126	628.2006	Erosion Mat Urban Class I Type A	SY	814.000	814.000
0128	628.7015	Inlet Protection Type C	EACH	11.000	11.000
0130	628.7504	Temporary Ditch Checks	LF	40.000	40.000
0132	628.7555	Culvert Pipe Checks	EACH	38.000	38.000
0134	628.7570	Rock Bags	EACH	65.000	65.000
0136	629.0210	Fertilizer Type B	CWT	19.000	19.000
0138	630.0140	Seeding Mixture No. 40	LB	585.000	585.000
0140	630.0200	Seeding Temporary	LB	58.000	58.000
0142	630.0500	Seed Water	MGAL	330.000	330.000
0144	632.0201	Shrubs (species) (size) (root) 01. Sea Green, B&B, 5 GAL	EACH	3.000	3.000
0146	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	15.000	15.000
0148	633.5200	Markers Culvert End	EACH	10.000	10.000
0150	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	8.000	8.000
0152	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	24.000	24.000
0154	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	28.000	28.000
0156	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	3.000	3.000
0158	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	3.000	3.000
0160	634.0622	Posts Wood 4x6-Inch X 22-FT	EACH	2.000	2.000
0162	637.2210	Signs Type II Reflective H	SF	484.170	484.170
0164	637.2230	Signs Type II Reflective F	SF	43.000	43.000
0166	638.2102	Moving Signs Type II	EACH	1.000	1.000
0168	638.2602	Removing Signs Type II	EACH	41.000	41.000
0170	638.3000	Removing Small Sign Supports	EACH	48.000	48.000
0172	638.4000	Moving Small Sign Supports	EACH	1.000	1.000
0174	642.5201	Field Office Type C	EACH	1.000	1.000
0176	643.0300	Traffic Control Drums	DAY	4,084.000	4,084.000
0178	643.0420	Traffic Control Barricades Type III	DAY	2,432.000	2,432.000
0180	643.0705	Traffic Control Warning Lights Type A	DAY	1,772.000	1,772.000
0182	643.0715	Traffic Control Warning Lights Type C	DAY	383.000	383.000
0184	643.0900	Traffic Control Signs	DAY	3,576.000	3,576.000
0186	643.1000	Traffic Control Signs Fixed Message	SF	69.000	69.000
0188	643.1050	Traffic Control Signs PCMS	DAY	8.000	8.000
0190	643.5000	Traffic Control	EACH	1.000	1.000
0192	645.0140	Geotextile Type SAS	SY	11,302.000	11,302.000
0194	646.1020	Marking Line Epoxy 4-Inch	LF	6,678.000	6,678.000
0196	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	9,856.000	9,856.000

6610-04-70

Line	Item	Item Description	Unit	Total	Qty
0198	646.3020	Marking Line Epoxy 8-Inch	LF	253.000	253.000
0200	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	171.000	171.000
0202	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	6,045.000	6,045.000
0204	646.4620	Marking Line Same Day Epoxy 8-Inch	LF	365.000	365.000
0206	646.6120	Marking Stop Line Epoxy 18-Inch	LF	44.000	44.000
0208	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	69.000	69.000
0210	646.7120	Marking Diagonal Epoxy 12-Inch	LF	260.000	260.000
0212	646.8120	Marking Curb Epoxy	LF	80.000	80.000
0214	646.8220	Marking Island Nose Epoxy	EACH	4.000	4.000
0216	646.9000	Marking Removal Line 4-Inch	LF	5,839.000	5,839.000
0218	646.9100	Marking Removal Line 8-Inch	LF	365.000	365.000
0220	649.0105	Temporary Marking Line Paint 4-Inch	LF	7,200.000	7,200.000
0222	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	260.000	260.000
0224	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	130.000	130.000
0226	650.4000	Construction Staking Storm Sewer	EACH	17.000	17.000
0228	650.4500	Construction Staking Subgrade	LF	7,843.000	7,843.000
0230	650.5000	Construction Staking Base	LF	7,843.000	7,843.000
0232	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3,636.000	3,636.000
0234	650.6000	Construction Staking Pipe Culverts	EACH	4.000	4.000
0236	650.8500	Construction Staking Electrical Installations (project) 01. 6610-04-70	LS	1.000	1.000
0238	650.9910	Construction Staking Supplemental Control (project) 01. 6610-04-70	LS	1.000	1.000
0240	650.9920	Construction Staking Slope Stakes	LF	7,843.000	7,843.000
0242	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,539.000	2,539.000
0244	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	45.000	45.000
0246	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	9.000	9.000
0248	654.0105	Concrete Bases Type 5	EACH	16.000	16.000
0250	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
0252	655.0610	Electrical Wire Lighting 12 AWG	LF	2,616.000	2,616.000
0254	655.0620	Electrical Wire Lighting 8 AWG	LF	8,454.000	8,454.000
0256	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. Sta 510+40B	LS	1.000	1.000
0258	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	16.000	16.000
0260	657.0322	Poles Type 5-Aluminum	EACH	16.000	16.000
0262	657.0615	Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT	EACH	16.000	16.000
0264	659.1115	Luminaires Utility LED A	EACH	16.000	16.000
0266	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000
0268	690.0150	Sawing Asphalt	LF	385.000	385.000
0270	690.0250	Sawing Concrete	LF	130.000	130.000
0272	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0274	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0276	SPV.0030	Special 01. Fertilizer for Lawn Type Turf	CWT	2.000	2.000
0278	SPV.0060	Special 01. Research and Locate Existing Land Parcel Monuments	EACH	22.000	22.000
0280	SPV.0060	Special 02. Verify and Replace Existing Land Parcel Monuments	EACH	22.000	22.000
0282	SPV.0085	Special 01. Seeding No Mow Fescue	LB	24.000	24.000
0284	SPV.0090	Special 01. Temporary Drainage Pipe	LF	71.000	71.000
0286	SPV.0180	Special 01. Preparing Topsoil for Lawn Type Turf	SY	3,050.000	3,050.000

3

CLEARING & GRUBBING

STATION - STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	REMARKS
36+00EX - 38+00EX	STH 34 (LT)	2	2	
39+00EX - 41+00EX	STH 34 (RT)	2	2	
44+00EX - 49+00EX	STH 34 (RT)	5	5	
45+00EX - 50+00EX	STH 34 (LT)	5	5	
52+00EX - 54+00EX	STH 34 (LT)	2	2	
170+00E - 173+00E	CTH DB (RT)	3	3	
174+00E - 176+00E	CTH DB (RT)	2	2	
177+00E - 179+00E	OLD HWY 51 (RT)	2	2	
179+00E - 181+00E	OLD HWY 51 (LT)	2	2	
TOTALS		25	25	

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 EACH	REMARKS
37+01E	STH 34	1	24-INCH CPCP
174+95E	CTH DB	1	30-INCH RCP
176+50E	CTH DB	1	24-INCH RCP
TOTAL		3	

REMOVING CONCRETE PAVEMENT

STATION - STATION	LOCATION	204.0100 SY	REMARKS
167+50E - 174+65E	CTH DB	1748	EXISTING RUBBLIZED CONCRETE
176+82E - 180+50E	CTH DB	900	EXISTING RUBBLIZED CONCRETE
TOTAL		2647	

REMOVING CURB & GUTTER

STATION - STATION	LOCATION	204.0150 LF	REMARKS
53+25E - 54+40E	STH 34 (LT)	129	TEMPORARY ROAD
42+90EX - 174+64E	STH 34 (RT)	83	SW QUAD
43+35EX - 176+01E	STH 34 (LT)	43	NW QUAD
176+83E - 44+98EX	STH 34 (LT)	94	NE QUAD
175+42E - 44+49EX	STH 34 (RT)	42	SE QUAD
175+20E - 175+56E	CTH DB (RT)	82	ISLAND
175+86E - 176+16E	OLD HWY 51 (LT)	68	ISLAND
TOTAL		412	

REMOVING FENCE

STATION - STATION	LOCATION	204.0170 LF	REMARKS
45+00EX - 49+50EX	STH 34 (RT)	450	R/W FENCE
46+50EX - 50+00EX	STH 34 (LT)	350	R/W FENCE
168+01E - 172+92E	CTH DB (RT)	585	
TOTAL		1385	

BASE AGGREGATE DENSE

STATION - STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	311.0110 BREAKER RUN TON	REMARKS
6+85T - 26+87T	TEMPORARY ROAD	148	2261	---	
26+85T - 27+17T	TEMPORARY ROAD	---	---	---	
27+39T - 28+56T	TEMPORARY ROAD	9	64	---	
8+50NB - 11+82NB	STH 34 NB	34	820	532	
11+82NB - 14+17NB	STH 34 NB	24	886	752	
14+17NB - 14+64NB	STH 34 NB	---	97	110	
14+64NB - 15+28NB	STH 34 NB	---	118	147	
15+28NB - 15+34NB	STH 34 NB	---	17	22	
16+89NB - 17+80NB	STH 34 NB	---	198	227	
17+80NB - 20+49NB	STH 34 NB	27	893	773	
20+49NB - 25+36NB	STH 34 NB	50	1334	1299	
98+50SB - 101+82SB	STH 34 SB	34	645	528	
101+82SB - 104+49SB	STH 34 SB	27	675	611	
104+49SB - 105+40SB	STH 34 SB	---	374	354	
106+91SB - 106+97SB	STH 34 SB	---	16	20	
106+97SB - 107+65SB	STH 34 SB	---	367	332	
107+65SB - 107+95SB	STH 34 SB	---	61	71	
107+95SB - 110+38SB	STH 34 SB	25	611	553	
110+38SB - 115+26SB	STH 34 SB	50	1213	1099	
50+00D - 54+39D	CTH DB/OLD HWY 51 NB	20	767	---	
54+39D - 56+01D	CTH DB/OLD HWY 51 NB	8	441	---	
56+01D - 56+91D	CTH DB/OLD HWY 51 NB	---	307	309	
58+45D - 59+31D	CTH DB/OLD HWY 51 NB	---	269	283	
59+31D - 60+45D	CTH DB/OLD HWY 51 NB	5	319	---	
60+45D - 62+90D	CTH DB/OLD HWY 51 NB	12	419	---	
500+00B - 504+38B	CTH DB/OLD HWY 51 SB	20	752	---	
504+38B - 505+93B	CTH DB/OLD HWY 51 SB	7	283	---	
505+93B - 506+87B	CTH DB/OLD HWY 51 SB	---	206	236	
508+42B - 509+32B	CTH DB/OLD HWY 51 SB	---	184	212	
509+32B - 510+45B	CTH DB/OLD HWY 51 SB	5	205	---	
510+45B - 512+89B	CTH DB/OLD HWY 51 SB	12	451	---	
1+00C - 4+46C	ROUNDABOUT	---	1355	1711	
TOTALS		517	16608	10181	

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3

EARTHWORK SUMMARY

DIVISION	STATION - STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	205.0400 MARSH EXCAVATION (6)	REDUCED MARSH IN FILL (8) FACTOR 0.60	EXPANDED MARSH BACKFILL (10) FACTOR 1.50	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
DIVISION 1														
TEMPORARY ROAD	5+75T - 26+72T	TEMPORARY ROAD	1,258	0	1,258	0	0	0	4,052	5,065	-3,807	0	3,807	
		DIVISION 1 SUBTOTAL	1,258	0	1,258	0	0	0	4,052	5,065	-3,807	0	3,807	
DIVISION 2														
STH 34 NB	4+60NB - 26+04NB	STH 34 NB	5,522	1,973	3,549	1,932	1,159	2,898	746	-517	4,066	4,066	0	
STH 34 SB	100+00SB - 113+75SB	STH 34 SB	2,942	1,784	1,158	0	0	0	261	326	832	832	0	
STH 34 RAB	1+00C - 4+25C	ROUNDABOUT	494	0	494	0	0	0	200	250	244	244	0	
CTH DB/OLD 51 NB	50+00D - 62+90D	CTH DB/OLD 51 NB	1,358	1,800	-442	0	0	0	458	573	-1,015	0	1,015	
CTH DB/OLD 51 SB	502+00B - 512+89B	CTH DB/OLD 51 SB	1,096	1,752	-656	0	0	0	407	509	-1,165	0	1,165	
		DIVISION 2 SUBTOTAL	11,412	7,309	4,103	1,932	1,159	2,898	2,072	1,141	2,962	5,141	2,179	
		GRAND TOTAL	12,670	7,309	5,361	1,932	1,159	2,898	6,124	6,206	-845	5,141	5,986	
		TOTAL COMMON EXC	12,670											

NOTES:

ALL QUANTITIES LISTED ABOVE ARE CUBIC YARDS (CY)

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

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

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

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

(6) MARSH EXCAVATION - TO BE BACKFILLED WITH BORROW MATERIAL.

(8) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. MARSH IN FILL REDUCTION FACTOR = 0.60

(10) EXPANDED MARSH BACKFILL - THIS IS TO BE FILLED WITH BORROW MATERIAL. MARSH BACKFILL FACTOR = 1.50

(13) EXPANDED FILL FACTOR = 1.25

DEPENDING ON SELECTIONS: EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH - REDUCED EBS) * FILL FACTOR

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

OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH) * FILL FACTOR

OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) * FILL FACTOR

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

3

CONCRETE TRUCK APRON

STATION - STATION	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	416.0512 CONCRETE TRUCK APRON 12-INCH SY	REMARKS
14+64NB - 15+28NB	STH 34 NB	4	13	
106+97SB - 107+75SB	STH 34 SB	6	17	
1+00C - 4+46C	ROUNDABOUT	137	410	
TOTALS		147	440	

TACK COAT

STATION - STATION	LOCATION	455.0605 GAL	REMARKS
8+50NB - 15+34NB	STH 34 NB	171	
16+89NB - 25+36NB	STH 34 NB	244	
98+50SB - 105+40SB	STH 34 SB	166	
106+91SB - 115+26SB	STH 34 SB	210	
50+00D - 56+91D	CTH DB/OLD HWY 51 NB	173	
58+45D - 62+90D	CTH DB/OLD HWY 51 NB	112	
500+00B - 506+87B	CTH DB/OLD HWY 51 SB	98	
508+42B - 512+89B	CTH DB/OLD HWY 51 SB	121	
1+00C - 4+46C	ROUNDABOUT	161	
6+85T - 28+56T	TEMPORARY ROAD	292	
TOTAL		1748	

ASPHALTIC SURFACE PATCHING

STATION - STATION	LOCATION	465.0110 TON	REMARKS
25+00NB - 30+00NB	STH 34	70	
TOTAL		70	

HMA PAVEMENT

STATION - STATION	LOCATION	460.7223 3 HT 58-28 S TON	460.7424 4 HT 58-28 H TON	REMARKS
10+00NB - 15+34NB	STH 34 NB	306	156	
16+89NB - 25+36NB	STH 34 NB	434	215	
100+00SB - 105+40SB	STH 34 SB	294	152	
106+91SB - 115+26SB	STH 34 SB	372	191	
50+00D - 56+91D	CTH DB/OLD HWY 51 NB	307	157	
58+45D - 62+90D	CTH DB/OLD HWY 51 NB	199	100	
500+00B - 506+87B	CTH DB/OLD HWY 51 SB	196	157	
508+42B - 512+89B	CTH DB/OLD HWY 51 SB	136	105	
1+00C - 4+46C	ROUNDABOUT	290	129	
TOTALS		2534	1362	

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

STATION	LOCATION	465.0120 TON	REMARKS
6+75NB	STH 34 NB (LT)	16	
510+90SB	OLD HWY 51 (LT)	11	
TOTAL		27	

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 SY	REMARKS
14+12NB	STH 34 NB	20	
17+85NB	STH 34 NB	16	
104+44SB	STH 34 SB	26	
108+00SB	STH 34 SB	16	
55+96D	CTH DB NB	16	
59+34D	OLD HWY 51 NB	16	
505+88B	CTH DB SB	13	
509+35B	OLD HWY 51 SB	18	
TOTAL		141	

ASPHALTIC SURFACE TEMPORARY

STATION - STATION	LOCATION	465.0125 TON	REMARKS
5+74T - 26+87T	TEMPORARY ROAD	907	
26+85T - 27+17T	TEMPORARY ROAD	8	I39/US 51 SB OFF RAMP ISLAND
27+39T - 28+32T	TEMPORARY ROAD	19	
TOTAL		934	

3

CULVERT PIPES

STATION	LOCATION	204.9060.S REMOVE APRON ENDWALL EACH	# 520.1024 APRON ENDWALL FOR CULVERT PIPE 24-INCH EACH	520.2024 TEMPORARY 24-INCH EACH	520.8000 CONCRETE COLLAR FOR PIPE EACH	521.1012 APRON ENDWALL FOR CULVERT PIPE STEEL 12-INCH EACH	521.3112 CORRUGATED STEEL 12-INCH LF	522.0124 REINFORCED CLASS III 24-INCH LF	# 522.1024 APRON ENDWALL REINFORCED CLASS III 24-INCH EACH	SPV.0090.01 TEMPORARY DRAINAGE PIPE LF	MINIMUM WALL THICKNESS INCHES	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
10+22T	TEMPORARY ROAD	1	1	23	1	---	---	---	---	---	---	1141.00	1140.89	0.0047	STAGE 1
9+13NB	STH 34 NB	---	---	---	---	---	---	108	2	---	3.000	1140.95	1140.44	0.0047	STAGE 2-3
10+50NB	STH 34 NB	---	---	---	---	---	---	---	---	71	---	---	---	---	STAGE 2-3
55+50D	CTH DB	---	---	---	---	2	66	---	---	---	0.064	1147.10	1146.78	0.0048	STAGE 2-3
59+47D	OLD HWY 51 NB	---	--	---	---	---	---	72	2	---	3.000	1148.44	1148.05	0.0055	STAGE 4
510+85B	OLD HWY 51 SB	---	--	---	---	2	55	---	---	---	0.064	1153.90	1152.70	0.0218	STAGE 4
	TOTALS	1	1	23	1	4	121	180	4	71					

QUANTITIES SHOWN ELSEWHERE IN MISCELLANEOUS QUANTITIES.

CONCRETE CURB & GUTTER

STATION - STATION	LOCATION	601.0105 CONCRETE CURB TYPE A LF	601.0405 18-INCH TYPE A REJECT LF	601.0409 30-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0551 4-INCH SLOPED 36-INCH TYPE A LF	601.0553 4-INCH SLOPED 36-INCH TYPE D LF	601.0580 4-INCH SLOPED 36-INCH TYPE R LF	416.0610 DRILLED TIE BARS EACH	REMARKS
11+89NB - 14+34NB	STH 34 NB MEDIAN	---	---	---	---	---	245	---	---	MEDIAN SIDEWALK
14+34NB - 15+31NB	STH 34 NB MEDIAN	---	---	---	97	---	---	---	---	MEDIAN SIDEWALK
16+95NB - 18+04NB	STH 34 NB MEDIAN	---	---	---	109	---	---	---	---	MEDIAN SIDEWALK
18+04NB - 20+41NB	STH 34 NB MEDIAN	---	---	---	---	---	237	---	---	MEDIAN SIDEWALK
25+71NB - 26+86NB	I39/USH 51 SB OFF RAMP	47	---	82	---	---	---	---	44	REMOVAL TEMPORARY ROAD
101+89SB - 104+33SB	STH 34 SB MEDIAN	---	---	---	---	---	244	---	---	MEDIAN SIDEWALK
104+33SB - 105+35SB	STH 34 SB MEDIAN	---	---	---	102	---	---	---	---	MEDIAN SIDEWALK
106+94SB - 107+95SB	STH 34 SB MEDIAN	---	---	---	101	---	---	---	---	MEDIAN SIDEWALK
107+95SB - 110+31SB	STH 34 SB MEDIAN	---	---	---	---	---	236	---	---	MEDIAN SIDEWALK
54+46D - 56+87D	CTH DB/OLD HWY 51 NB	---	---	---	241	---	---	---	---	MEDIAN SIDEWALK
58+50D - 60+38D	CTH DB/OLD HWY 51 NB	---	---	---	188	---	---	---	---	MEDIAN SIDEWALK
504+45B - 506+82B	CTH DB/OLD HWY 51 SB	---	---	---	237	---	---	---	---	MEDIAN SIDEWALK
508+45B -510+38B	CTH DB/OLD HWY 51 SB	---	---	---	193	---	---	---	---	MEDIAN SIDEWALK
1+00C - 4+46C	ROUNDABOUT	---	247	---	---	---	---	346	---	TRUCK APRON
1+51C - 1+67C	STH 34 MEDIAN	---	---	---	21	---	---	---	---	MEDIAN SIDEWALK
2+35C - 2+48C	CTH DB/OLD HWY 51 MEDIAN	---	---	---	17	---	---	---	---	MEDIAN SIDEWALK
3+27C - 3+47C	STH 34 MEDIAN	---	---	---	26	---	---	---	---	MEDIAN SIDEWALK
4+14C - 4+20C	CTH DB/OLD HWY 51 MEDIAN	---	---	---	9	---	---	---	---	MEDIAN SIDEWALK
0+00NW - 2+48NW	NW QUAD	---	---	---	---	---	248	---	---	
0+00SW - 0+47SW	SW QUAD	---	---	---	---	---	47	---	---	
0+47SW - 1+00SW	SW QUAD	---	---	---	---	53	---	---	---	TRUCK APRON
1+00SW - 2+61SW	SW QUAD	---	---	---	---	---	161	---	---	
0+00NE - 1+44NE	NE QUAD	---	---	---	---	---	144	---	---	
1+44NE - 2+03NE	NE QUAD	---	---	---	---	59	---	---	---	TRUCK APRON
2+03NE - 2+31NE	NE QUAD	---	---	---	---	---	28	---	---	
0+00SE - 2+54SE	SE QUAD	---	---	---	---	---	254	---	---	
	TOTALS	47	247	82	1341	112	1844	346	44	

3

CONCRETE BARRIER TEMPORARY PRECAST

STATION- STATION	LOCATION	DELIVERED 603.8000 LF	INSTALLED 603.8125 LF	614.0905 CRASH CUSHION EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS	REMARKS
7+50T - 26+90T	TEMPORARY ROAD (RT)	1940	1940	---	---	---	---	---	---	---	STAGE 2
9+50T - 26+60T	TEMPORARY ROAD (RT)	---	1710	1	4	W05-58M	TL-3	BIDIRECTIONAL	LT & RT	GORE BETWEEN NB & SB	STAGE 3
7+50NB - 12+00NB	STH 34 NB	220	450	1	4	W05-58M	TL-3	BIDIRECTIONAL	LT & RT	GORE BETWEEN NB & SB	STAGE 3
19+90NB - 25+50NB	STH 34 NB	560	560	---	---	---	---	---	---	---	STAGE 3
	TOTALS	2720	4660	2							

FENCE WOVEN WIRE (4-FT)

STATION - STATION	LOCATION	616.0100 LF	REMARKS
45+00EX - 49+50EX	STH 34 (RT)	450	R/W FENCE
109+19SB - 112+44SB	STH 34 (LT)	350	R/W FENCE
	TOTAL	800	

WATER

LOCATION	624.0100 WATER MGAL	630.0500 SEED WATER MGAL	REMARKS
PROJECT LIMTS	273	330	
TOTAL	273	330	

3

STORM SEWER PIPE

FROM	-	TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
1-RAB	-	119	RAB	63	1147.98	1147.47	0.0081
2-RAB	-	1-RAB	RAB	6	1148.01	1147.98	0.0050
3	-	4	STH 34 NB	8	1147.41	1147.38	0.0028
4	-		STH 34 NB	27	1147.38	1147.30	0.0030
6	-	7	STH 34 SB	8	1148.79	1148.76	0.0030
7	-	118	STH 34 SB	31	1148.76	1148.67	0.0030
9	-	117	STH 34 NB	45	1150.28	1149.06	0.0269
11	-	12	STH 34 SB	9	1149.26	1149.24	0.0027
12	-	120	STH 34 SB	46	1149.24	1149.05	0.0041
14	-	15	STH 34 SB	7	1146.28	1146.15	0.0194
15	-	115	STH 34 SB	45	1146.15	1143.82	0.0514
			TOTAL	295			

CONCRETE SIDEWALK & CURB RAMP DETECTABLE WARNING FIELD

STATION - STATION	LOCATION	602.0405 SIDEWALK 4-INCH SF	602.0505 WARNING FIELD YELLOW SF	REMARKS
11+82NB - 14+17NB	STH 34 MEDIAN	2057	20	
17+80NB - 20+49NB	STH 34 MEDIAN	1482	20	
104+49SB - 105+40SB	STH 34 MEDIAN	1260	20	
106+97SB - 107+65SB	STH 34 MEDIAN	1724	20	
54+39D - 56+01D	CTH DB/OLD HWY 51 MEDIAN	1038	20	
56+01D - 56+91D	CTH DB/OLD HWY 51 MEDIAN	968	20	
58+45D - 59+31D	CTH DB/OLD HWY 51 MEDIAN	585	20	
59+31D - 60+45D	CTH DB/OLD HWY 51 MEDIAN	852	20	
	TOTALS	9966	160	

CONCRETE MEDIAN SLOPE NOSE

STATION	LOCATION	620.0300 SF	REMARKS
11+82NB	STH 34 NB MEDIAN	68	TYPE 1
15+34NB	STH 34 NB MEDIAN	14	TYPE 2
16+89NB	STH 34 NB MEDIAN	34	TYPE 2
20+48NB	STH 34 NB MEDIAN	69	TYPE 1
105+40SB	STH 34 SB MEDIAN	32	TYPE 2
106+91SB	STH 34 SB MEDIAN	15	TYPE 2
54+38D	CTH DB/OLD HWY 51 NB MEDIAN	69	TYPE 1
56+91D	CTH DB/OLD HWY 51 NB MEDIAN	15	TYPE 2
58+45D	CTH DB/OLD HWY 51 NB MEDIAN	25	TYPE 2
60+45D	CTH DB/OLD HWY 51 NB MEDIAN	68	TYPE 1
506+87B	CTH DB/OLD HWY 51 SB MEDIAN	30	TYPE 2
508+42B	CTH DB/OLD HWY 51 SB MEDIAN	15	TYPE 2
	TOTAL	454	

3

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	LOCATION	# 520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 522.1012 12-INCH EACH	522.1024 # 24-INCH EACH	INLET INLET COVERS 611.0624 TYPE H EACH	611.0627 TYPE HM EACH	611.0652 TYPE T EACH	INLETS 611.3225 2X2.5-FT EACH	611.3230 2X3-FT EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
1-RAB	2+04.00C	1.72' LT	RAB	---	---	---	---	---	1	1	---	1	1153.31	1147.98	4.41
2-RAB	1+98.27C	1.73' LT	RAB	---	---	---	---	---	1	1	---	1	1153.31	1148.01	4.39
3	504+48.69B	9.42' RT	CTH DB SB	---	---	---	1	---	---	---	1	1	1151.64	1147.41	3.40
4	504+48.71B	0.99' RT	CTH DB SB	---	---	---	1	---	---	---	1	1	1151.54	1147.38	3.32
5	504+48.29B	25.50' LT	CTH DB SB	---	1	---	---	---	---	---	---	1	---	1148.47	---
6	18+45.40NB	10.34' LT	STH 34 NB	---	---	---	---	1	---	---	1	1	1153.33	1148.79	3.71
7	18+48.31NB	1.50' LT	STH 34 NB	---	---	---	---	1	---	---	1	1	1153.25	1148.76	3.66
9	20+44.72NB	1.50' LT	STH 34 NB	---	---	---	---	1	---	---	1	1	1156.17	1150.28	5.06
11	509+22.37B	9.84' RT	OLD HWY 51 SB	---	---	---	1	---	---	---	1	1	1154.11	1149.26	4.01
12	509+24.65B	0.98' RT	OLD HWY 51 SB	---	---	---	1	---	---	---	1	1	1153.96	1149.24	3.89
14	11+93.16NB	10.96' LT	STH 34 NB	---	---	---	---	1	---	---	1	1	1151.64	1146.28	4.52
15	11+94.33NB	2.82' LT	STH 34 NB	---	---	---	---	1	---	---	1	1	1151.69	1146.15	4.71
19	9+14.83NB	55.88' LT	STH 34 NB	1	---	---	---	---	---	---	---	---	---	1140.95	---
20	9+11.69NB	52.08' RT	STH 34 NB	---	---	1	---	---	---	---	---	---	---	1140.44	---
113	59+49.08D	41.60' LT	OLD HWY 51 NB	---	---	1	---	---	---	---	---	---	---	1148.05	---
114	59+44.63D	30.27' RT	OLD HWY 51 NB	---	---	1	---	---	---	---	---	---	---	1148.44	---
115	11+90.62NB	41.54' RT	STH 34 NB	---	1	---	---	---	---	---	---	1	---	1143.82	---
117	20+61.81NB	39.97' RT	STH 34 NB	---	1	---	---	---	---	---	---	1	---	1149.06	---
118	18+50.06NB	28.65' RT	STH 34 NB	---	1	---	---	---	---	---	---	1	---	1148.67	---
119	2+06.52C	61.84' RT	RAB	---	1	---	---	---	---	---	---	1	---	1147.47	---
120	509+05.06D	41.13' LT	OLD HWY 51 SB	---	1	---	---	---	---	---	---	1	---	1149.05	---
122	10+24.88T	41.35' LT	TEMP RD	---	---	1	---	---	---	---	---	---	---	1141.00	---
			TOTALS	1	6	4	4	5	2	2	9	17			

REMARKS:

*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

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

****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

QUANTITIES SHOWN ELSEWHERE IN MISCELLANEOUS QUANTITIES.

TOPSOIL, EROSION MAT, SEED, FERTILIZER & MULCH

STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 TEMPORARY SEEDING LB	SPV.0030.01 FERTILIZER FOR LAWN TYPE TURF CWT	SPV.0085.01 SEEDING NO MOW FESCUE LB	SPV.0180.01 PREPARING TOPSOIL FOR LAWN TYPE TURF SY	REMARKS
5+74T - 26+70T	TEMPORARY ROAD	6368	6368	4.01	115	53	---	---	---	
8+42NB - 15+52NB	STH 34 NB (RT)	1759	1759	1.11	32	---	---	---	---	
16+82NB - 25+35NB	STH 34 NB (RT)	2825	2825	1.78	51	---	---	---	---	
95+00SB - 105+87SB	STH 34 SB (LT)	4516	4516	2.85	81	---	---	---	---	
106+72SB - 115+62SE	STH 34 SB (LT)	5712	5712	3.60	103	---	---	---	---	
50+10D - 57+31D	CTH DB/OLD HWY 51 NB (RT)	2548	2548	1.61	46	---	---	---	---	
58+37D - 62+90D	CTH DB/OLD HWY 51 NB (RT)	1588	1588	---	29	---	1.00	---	1588	
500+10B - 506+98B	CTH DB/OLD HWY 51 SB (LT)	3047	3047	1.92	55	---	---	---	---	
508+40B - 512+90B	CTH DB/OLD HWY 51 SB (LT)	1185	1185	---	21	---	0.75	---	1185	
1+00C - 4+25C	ROUNDABOUT	489	489	---	---	---	---	22	---	
UNDISTRIBUTED	PROJECT LIMITS	2963	2963	2.13	53	5	0.25	2	277	
TOTALS		33000	33000	19.00	585	58	2.00	24	3050	

EROSION CONTROL

STATION - STATION	LOCATION	SILT FENCE 628.1504 LF	SILT FENCE 628.1520 MAINTENANCE LF	MOBILIZATIONS 628.1905 EROSION CONTROL EACH	MOBILIZATIONS 628.1910 EMERGENCY EROSION CONTROL EACH	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	REMARKS
7+50T	TEMPORARY RD (LT)	---	---	---	---	---	---	---	3	---	STAGE 1
10+00T - 16+70T	TEMPORARY RD (LT)	670	670	---	---	---	---	---	3	17	STAGE 1
17+75T - 19+00T	TEMPORARY RD (LT)	125	125	---	---	---	---	---	---	---	STAGE 1
22+25T - 26+25T	TEMPORARY RD (LT)	400	400	---	---	---	---	9	---	---	STAGE 1
9+13NB	STH 34 NB (RT)	---	---	---	---	10	---	---	3	---	STAGE 2
9+85NB - 15+50NB	STH 34 NB (RT)	550	550	---	---	---	---	9	3	17	STAGE 2
11+90NB	STH 34 NB	---	---	---	---	7	2	---	---	17	STAGE 2
14+12NB	STH 34 NB (RT)	---	---	---	---	---	---	---	---	---	STAGE 2
14+15NB - 505+95B	SW QUAD	---	---	---	---	142	---	---	---	---	STAGE 2
2+04C	ROUNDABOUT	---	---	---	---	7	2	---	---	---	STAGE 2
56+00D - 17+80NB	SE QUAD	---	---	---	---	140	---	---	---	---	STAGE 2
18+50NB	STH 34 NB	---	---	---	---	7	2	---	---	---	STAGE 2
20+45NB	STH 34 NB	---	---	---	---	7	1	---	---	---	STAGE 2
21+60NB - 25+45NB	STH 34 NB (RT)	385	385	---	---	---	---	9	---	---	STAGE 2
58+60D - 107+95SB	NE QUAD	---	---	---	---	84	---	---	---	---	STAGE 2
50+00D	CTH DB	---	---	---	---	---	---	6	---	---	STAGE 2
55+50D	CTH DB (RT)	---	---	---	---	7	---	---	3	---	STAGE 2
9+13NB	STH 34 NB	---	---	---	---	---	---	---	3	---	STAGE 3
10+50NB	STH 34 NB	---	---	---	---	---	---	---	3	---	STAGE 3
104+50SB - 508+45B	NW QUAD	---	---	---	---	87	---	---	---	---	STAGE 3
9+13NB	STH 34 NB (LT)	---	---	---	---	---	---	---	3	---	STAGE 4
508+45B - 509+32B	OLD HWY 51 (LT)	---	---	---	---	50	---	---	---	---	STAGE 4
510+85B	OLD HWY 51 (LT)	---	---	---	---	7	---	---	3	---	STAGE 4
58+60D - 59+45D	OLD HWY 51 (RT)	---	---	---	---	46	---	---	---	---	STAGE 4
59+25D	OLD HWY 51	---	---	---	---	7	2	---	---	---	STAGE 4
59+47D	OLD HWY 51	---	---	---	---	10	---	---	3	---	STAGE 4
25+70NB - 26+80NB	STH 34 NB (LT)	---	---	---	---	32	---	---	---	---	STAGE 4
UNDISTRIBUTED	PROJECT LIMITS	570	570	10	4	164	2	7	8	14	
TOTALS		2700	2700	10	4	814	11	40	38	65	

SHRUBS (SEA GREEN JUNIPER)(5 GAL)

STATION	LOCATION	632.0201.01 EACH	COMMON NAME	CALIPER OR HEIGHT WHEN PLANTED	ROOT ZONE MODE
1+18C	ROUNDABOUT; 33' LT	1	JUNIPER	2.5' HT	B&B
2+45C	ROUNDABOUT; 38' LT	1	JUNIPER	2.5' HT	B&B
3+41C	ROUNDABOUT; 37' LT	1	JUNIPER	2.5' HT	B&B
TOTAL		3			

MARKERS CULVERT END

STATION	LOCATION	633.5200 EACH	REMARKS
9+13NB	STH 34 NB	2	CROSS DRAIN
11+91NB	STH 34 NB	1	STRUCTURE - 115
18+50NB	STH 34 NB	1	STRUCTURE - 118
20+62NB	STH 34 NB	1	STRUCTURE - 117
59+47D	OLD HWY 51 NB	2	CROSS DRAIN
504+48B	CTH DB SB	1	STRUCTURE - 5
509+05D	OLD HWY 51 SB	1	STRUCTURE - 120
2+07C	RAB	1	STRUCTURE - 119
TOTAL		10	

3

SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE	POSTS WOOD 4X6-INCH 634.0612 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	634.0620 20-FT EACH	634.0622 22-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
04-01	D2-2	RUDOLPH 21 / WIS RAPIDS 27	84"X24"	---	1	1	---	---	---	14.00	---	
04-02	W2-6	ROUNDABOUT AHEAD SYMBOL	30"X30"	---	---	1	---	---	---	---	6.25	SAME POST AS 04-03
04-03	W13-1	15 MPH	18"X18"	---	---	---	---	---	---	---	2.25	SAME POST AS 04-02
04-04	J1-1	JCT CTH DB	24"X39"	---	---	1	---	---	---	6.50	---	
04-05	D1-62	ROUNDABOUT DIAGRAMETRIC	138"X66"	---	---	---	1	1	1	63.25	---	
04-06	R2-1	SPEED LIMIT 55	24"X30"	---	---	1	---	---	---	5.00	---	
04-07	R4-7	KEEP RIGHT SYMBOL	24"X30"	---	1	---	---	---	---	5.00	---	SAME POST AS 04-08
04-08	W5-54	IN ROAD OBJECT MARKER	18"X18"	---	---	---	---	---	---	---	2.25	SAME POST AS 04-07
04-09	R5-1	DO NOT ENTER	30"X30"	---	---	1	---	---	---	6.25	---	
04-10	R5-1A	WRONG WAY	36"X24"	---	1	---	---	---	---	6.00	---	
04-11	J1-2	SOUTH STH 34 / CTH C	48"X39"	---	---	2	---	---	---	13.00	---	
05-01	J1-3	JCT I-39 / JCT USH 51 / END STH 34	72"X39"	---	---	2	---	---	---	19.50	---	
05-02	R5-1A	WRONG WAY	36"X24"	---	1	---	---	---	---	6.00	---	
05-04	R4-7	KEEP RIGHT SYMBOL	24"X30"	---	1	---	---	---	---	5.00	---	SAME AS POST 05-05
05-05	W5-54	IN ROAD OBJECT MARKER	18"X18"	---	---	---	---	---	---	---	2.25	SAME POST AS 05-04
05-06	R5-1	DO NOT ENTER	30"X30"	---	---	1	---	---	---	6.25	---	
05-07	D1-62	ROUNDABOUT DIAGRAMETRIC	138"X78"	---	---	---	---	2	1	74.75	---	
05-08	R2-1	SPEED LIMIT 55	24"X30"	---	---	1	---	---	---	5.00	---	
05-09	D1-2	WAUSAU / STEVENS PT	90"X30"	---	---	2	---	---	---	18.75	---	
05-10	W2-6	ROUNDABOUT AHEAD SYMBOL	30"X30"	---	---	1	---	---	---	---	6.25	SAME POST AS 05-11
05-11	W13-1	15 MPH	18"X18"	---	---	---	---	---	---	---	2.25	SAME POST AS 05-10
05-12	J1-3	SOUTH STH 34 / JCT CTH C / JCT CTH DB	72"X39"	---	---	1	1	---	---	19.50	---	
05-13	D1-1	WAUSAU	60"X15"	---	---	2	---	---	---	6.25	---	
06-01	W2-6	ROUNDABOUT AHEAD SYMBOL	30"X30"	---	---	1	---	---	---	---	6.25	SAME POST AS 06-02
06-02	W13-1	15 MPH	18"X18"	---	---	---	---	---	---	---	2.25	SAME POST AS 06-01
06-03	J1-2	JCT STH 34 / END CTH DB	48"X39"	---	---	2	---	---	---	13.00	---	
06-04	R2-1	SPEED LIMIT 45	24"X30"	---	1	---	---	---	---	5.00	---	
06-05	R4-7	KEEP RIGHT SYMBOL	24"X30"	---	1	---	---	---	---	5.00	---	SAME POST AS 06-06
06-06	W5-54	IN ROAD OBJECT MARKER	18"X18"	---	---	---	---	---	---	---	2.25	SAME POST AS 06-05
06-07	R5-1	DO NOT ENTER	30"X30"	---	---	1	---	---	---	6.25	---	
06-08	R5-1A	WRONG WAY	36"X24"	---	---	1	---	---	---	6.00	---	
06-09	J4-2 (MOD)	CTH DB / CTH C	48"X24"	---	1	1	---	---	---	8.00	---	
06-10	R5-1A	WRONG WAY	36"X24"	---	---	1	---	---	---	6.00	---	
06-11	R4-7	KEEP RIGHT SYMBOL	24"X30"	---	1	---	---	---	---	5.00	---	SAME POST AS 06-12
06-12	W5-54	IN ROAD OBJECT MARKER	18"X18"	---	---	---	---	---	---	---	2.25	SAME POST AS 06-11
06-13	R5-1	DO NOT ENTER	30"X30"	---	---	1	---	---	---	6.25	---	
06-14	R2-1	SPEED LIMIT 45	24"X30"	---	---	1	---	---	---	5.00	---	
06-15	W2-6	ROUNDABOUT AHEAD SYMBOL	30"X30"	---	---	1	---	---	---	---	6.25	SAME POST AS 06-16
06-16	W13-1	15 MPH	18"X18"	---	---	---	---	---	---	---	2.25	SAME POST AS 06-15
06-19	J1-3	JCT STH 34 / JCT CTH C / JCT CTH DB	72"X39"	---	---	1	1	---	---	19.50	---	

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SIGN LISTING

SIGN NO.	SIGN CODE	MESSAGE	SIZE	POSTS WOOD 4X6-INCH 634.0612 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT EACH	634.0620 20-FT EACH	634.0622 22-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
07-01	R1-2	YIELD	36"X31"	---	1	---	---	---	---	3.88	---	
07-02	R1-2	YIELD	36"X31"	---	1	---	---	---	---	3.88	---	
07-03	R6-1R	ONE WAY ARROW	36"X12"	2		---	---	---	---	3.00	---	SAME POSTS AS 07-04
07-04	R6-4B	CHEVRON	60"X24"	---	---	---	---	---	---	10.00	---	SAME POSTS AS 07-03 (MOUNT 4' ABOVE TRUCK APRON SURFACE)
07-05	D1-1	CTH DB & CTH C ARROW	54"X18"	---	2	---	---	---	---	6.75	---	
07-06	R1-2	YIELD	36"X31"	---	1	---	---	---	---	3.88	---	
07-07	R1-2	YIELD	36"X31"	---	1	---	---	---	---	3.88	---	
07-08	R6-1R	ONE WAY ARROW	36"X12"	2	---	---	---	---	---	3.00	---	SAME POSTS AS 07-09
07-09	R6-4B	CHEVRON	60"X24"	---	---	---	---	---	---	10.00	---	SAME POSTS AS 07-08 (MOUNT 4' ABOVE TRUCK APRON SURFACE)
07-10	D1-1	NORTH STH 34 ARROW	42"X30"	---	1	---	---	---	---	8.75	---	
07-11	R1-2	YIELD	36"X31"	---	1	---	---	---	---	3.88	---	
07-12	R1-2	YIELD	36"X31"	---	1	---	---	---	---	3.88	---	
07-13	R6-1R	ONE WAY ARROW	36"X12"	2	---	---	---	---	---	3.00	---	SAME POSTS AS 07-14
07-14	R6-4B	CHEVRON	60"X24"	---	---	---	---	---	---	10.00	---	SAME POSTS AS 07-13 (MOUNT 4' ABOVE TRUCK APRON SURFACE)
07-15	D1-1	OLD HWY 51	78"X15"	---	2	---	---	---	---	8.13	---	
07-16	R1-2	YIELD	36"X31"	---	1	---	---	---	---	3.88	---	
07-17	R1-2	YIELD	36"X31"	---	1	---	---	---	---	3.88	---	
07-18	R6-1R	ONE WAY ARROW	36"X12"	2	---	---	---	---	---	3.00	---	SAME POSTS AS 07-19
07-19	R6-4B	CHEVRON	60"X24"	---	---	---	---	---	---	10.00	---	SAME POSTS AS 07-18 (MOUNT 4' ABOVE TRUCK APRON SURFACE)
07-20	D1-1	SOUTH STH 34 & CTH C ARROW	60"X30"	---	2	---	---	---	---	12.50	---	
			TOTALS	8	24	28	3	3	2	484.17	43.00	

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MOVING & REMOVING SIGNS

SIGN NO.	STATION	LOCATION	MESSAGE	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
01-01	22+90EX	STH 34 (RT)	SPEED LIMIT AHEAD (45)	---	1	1	---	
01-02	30+50EX	STH 34 (RT)	SPEED LIMIT 45	---	1	1	---	
01-03	30+50EX	STH 34 (LT)	SPEED LIMIT 55	---	1	1	---	
01-04	31+70EX	STH 34 (RT)	JCT CTH DB / CTH C ARROW	---	1	1	---	
01-05	37+40EX	STH 34 (RT)	KNOWLTON	---	1	2	---	
01-06	37+90EX	STH 34 (LT)	JUCTION CITY 12 / WIS RAPIDS 28	---	1	2	---	
01-07	41+35EX	STH 34 (LT)	SPEED LIMIT 45	---	1	1	---	
01-08	41+70EX	STH 34 (LT)	SOUTH STH 34	---	1	1	---	
01-09	42+45EX	STH 34 (RT)	CTH DB ARROWS/ CTH C ARROWS	---	1	1	---	
02-01	45+50EX	STH 34 (RT)	JCT I39 / JCT US 51 / END STH 34	---	1	2	---	
02-02	47+25EX	STH 34 (RT)	SPEED LIMIT 45	---	1	1	---	
02-03	47+75EX	STH 34 (LT)	CTH DB ARROWS / CTH C ARROWS	---	1	1	---	
02-04	49+15EX	STH 34 (LT)	KNOWLTON	---	1	2	---	
02-05	49+30EX	STH 34 (RT)	MOSINEE / STEVENS PT	---	1	2	---	
02-06	50+30EX	STH 34 (LT)	JCT CTH DB / JCT CTH C	---	1	1	---	
02-07	51+35EX	STH 34 (LT)	SPEED LIMIT 45	---	1	1	---	
02-08	52+40EX	STH 34 (LT)	SOUTH STH 34	---	1	1	---	
02-09	56+85EX	STH 34 (RT)	MOSINEE ARROW	---	1	1	---	
03-01	169+10E	CTH DB (RT)	JCT 34 / END DB	---	1	1	---	
03-02	171+05E	CTH DB (LT)	STOP AHEAD	---	1	1	---	
03-03	171+05E	CTH DB (RT)	STOP AHEAD	---	1	1	---	
03-04	172+00E	CTH DB (LT)	NO PASSING ZONE	---	1	1	---	SHARED SUPPORT WITH 03-05
03-05	172+00E	CTH DB (LT)	NO ENGINE BRAKING	---	1	-	---	SHARED SUPPORT WITH 03-04
03-06	172+80E	CTH DB (LT)	"MULLINS CHEESE THIS WAY"	---	1	4	---	PRIVATE SIGN
03-07	173+70E	CTH DB (LT)	ADOPT A HIGHWAY	---	1	1	---	
03-08	173+95E	CTH DB (LT)	SPEED LIMIT 45	---	1	1	---	
03-09	174+00E	CTH DB (RT)	STH 34 ARROWS / CTH C ARROWS	---	1	1	---	
03-10	175+20E	CTH DB (RT)	DOUBLE DOWN ARROWS	---	1	1	---	SPLITTER ISLAND
03-11	175+45E	CTH DB (RT)	STOP	---	1	1	---	SPLITTER ISLAND
03-12	175+46E	CTH DB (RT)	STH 34 ARROWS / CTH C ARROWS	---	1	1	---	SPLITTER ISLAND
03-13	175+46E	CTH DB (RT)	STOP	---	1	1	---	OUTSIDE OF RIGHT TURN LANE
03-14	175+90E	OLD HWY 51 (LT)	KEEP LEFT	---	1	1	---	SPLITTER ISLAND
03-15	175+95E	OLD HWY 51 (LT)	STOP	---	1	1	---	OUTSIDE OF RIGHT TURN LANE
03-16	175+95E	OLD HWY 51 (LT)	STOP	---	1	1	---	SPLITTER ISLAND
03-17	176+15E	OLD HWY 51 (LT)	DOUBLE DOWN ARROWS	---	1	1	---	SPLITTER ISLAND
03-18	176+90E	OLD HWY 51 (RT)	NO THRU TRUCKS	---	1	1	---	
03-19	177+50E	OLD HWY 51 (RT)	SPEED LIMIT 45	---	1	1	---	SHARED SUPPORT WITH 03-20
03-20	177+50E	OLD HWY 51 (RT)	WEIGHT LIMIT 10 TONS	---	1	-	---	SHARED SUPPORT WITH 03-19
03-21	177+55E	OLD HWY 51 (LT)	STH 34 ARROWS /CTH DB ARROWS / CTH C ARROWS	---	1	2	---	
03-22	177+95E	OLD HWY 51 (RT)	ROUGH ROAD NEXT 3 MILES	1	---	---	1	MOVE TO STA 63+00D RT
03-23	182+45E	OLD HWY 51 (LT)	STOP AHEAD	---	1	1	---	
03-24	182+45E	OLD HWY 51 (RT)	STOP AHEAD	---	1	1	---	
			TOTALS	1	41	48	1	

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TRAFFIC CONTROL DRUMS & WARNING LIGHTS

STATION - STATION	LOCATION	643.0300 DRUMS NO	DAYS	DAY	643.0715 LIGHTS TYPE C NO	DAYS	DAY	REMARKS
STAGE 1								
31+90EX - 59+00EX	EXISTING STH 34 (LT)	30	15	450	---	---	---	SEE STAGE CONSTRUCTION - STAGE 1
	STAGE 1 SUB-TOTALS			450			0	
STAGE 2								
5+00T - 10+00T	TEMPORARY RD (RT)	11	60	660	11	33	363	SEE STAGE CONSTRUCTION - STAGE 2
27+00T - 29+50T	TEMPORARY RD (RT)	7	60	420	---	---	---	SEE STAGE CONSTRUCTION - STAGE 2
	STAGE 2 SUB-TOTALS			1080			363	
STAGE 3								
6+50T - 10+50T	TEMPORARY RD (RT)	9	10	90	---	---	---	SEE STAGE CONSTRUCTION - STAGE 3
5+40NB - 14+25NB	STH 34 NB (LT)	18	10	180	---	---	---	SEE STAGE CONSTRUCTION - STAGE 3
20+50NB - 21+25NB	STH 34 NB (LT)	4	10	40	---	---	---	SEE STAGE CONSTRUCTION - STAGE 3
25+50NB - 28+50NB	STH 34 NB (LT)	15	10	150	4	5	20	SEE STAGE CONSTRUCTION - STAGE 3
	STAGE 3 SUB-TOTALS			460			20	
STAGE 4								
4+00NB - 10+00NB	STH 34 NB (LT)	9	34	306	---	---	---	SEE STAGE CONSTRUCTION - STAGE 4
100+00SB - 104+50SB	STH 34 SB (LT)	10	34	340	---	---	---	SEE STAGE CONSTRUCTION - STAGE 4
108+00SB - 115+00SB	STH 34 SB (LT)	15	34	510	---	---	---	SEE STAGE CONSTRUCTION - STAGE 4
25+50NB - 31+50NB	STH 34 NB (LT)	27	34	918	---	---	---	SEE STAGE CONSTRUCTION - STAGE 4
	STAGE 4 SUB-TOTALS			2074			0	
DETOUR								
IH 39 SB OFF RAMP	STH 34 INTERCHANGE	20	1	20	---	---	---	SEE DETOUR - STAGE 1
	DETOUR SUB-TOTALS			20			0	
	GRAND TOTALS			4084			383	

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TRAFFIC CONTROL BARRICADE & WARNING LIGHTS TYPE A

		643.0420 BARRICADE TYPE III			643.0705 LIGHTS TYPE A			
STATION	LOCATION	NO	DAYS	DAY	NO	DAYS	DAY	REMARKS
STAGE 1								
175+90E	OLD HWY 51	5	15	75	6	12	72	SEE STAGE CONSTRUCTION - STAGE 1
177+90E	OLD HWY 51	5	15	75	6	12	72	SEE STAGE CONSTRUCTION - STAGE 1
	STAGE 1 SUB-TOTALS			75			144	
STAGE 2								
7+30NB	STH 34 NB	3	60	180	4	33	132	SEE STAGE CONSTRUCTION - STAGE 2
26+10NB	STH 34 NB	4	60	240	8	33	264	SEE STAGE CONSTRUCTION - STAGE 2
167+00E	CTH DB	5	60	300	6	33	198	SEE STAGE CONSTRUCTION - STAGE 2
177+50E	OLD HWY 51	5	60	300	6	33	198	SEE STAGE CONSTRUCTION - STAGE 2
177+90E	OLD HWY 51	5	60	300	6	33	198	SEE STAGE CONSTRUCTION - STAGE 2
	STAGE 2 SUB-TOTALS			1320			990	
STAGE 3								
8+50NB	STH 34 NB (LT)	2	10	20	4	5	20	SEE STAGE CONSTRUCTION - STAGE 3
15+50NB	STH 34 NB (LT)	2	10	20	4	5	20	SEE STAGE CONSTRUCTION - STAGE 3
16+75NB	STH 34 NB (LT)	2	10	20	4	5	20	SEE STAGE CONSTRUCTION - STAGE 3
177+50E	OLD HWY 51	5	60	300	6	33	198	SEE STAGE CONSTRUCTION - STAGE 3
177+90E	OLD HWY 51	5	60	300	6	33	198	SEE STAGE CONSTRUCTION - STAGE 3
	STAGE 3 SUB-TOTALS			660			456	
STAGE 4								
58+50D	OLD HWY 51	4	34	136	8	10	80	SEE STAGE CONSTRUCTION - STAGE 4
63+00D	OLD HWY 51	5	34	170	6	10	60	SEE STAGE CONSTRUCTION - STAGE 4
26+25NB	I39/USH 51 SB OFF RAMP	2	34	68	4	10	40	SEE STAGE CONSTRUCTION - STAGE 4
	STAGE 4 SUB-TOTALS			374			180	
DETOUR								
IH 39 SB OFF RAMP	STH 34 INTERCHANGE	3	1	3	2	1	2	SEE DETOUR - STAGE 1
	DETOUR SUB-TOTALS			3			2	
	GRAND TOTALS			2432			1772	

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TRAFFIC CONTROL SIGNS

LOCATION	MESSAGE	SIGN CODE	NO	DAYS	643.0900 DAY	REMARKS
STAGE 1						
PROJECT LIMITS	MAX 12' WIDTH	W12-52	1	15	15	SEE STAGE CONSTRUCTION - STAGE 1
	ROAD WORK AHEAD	W20-1A	4	15	60	SEE STAGE CONSTRUCTION - STAGE 1
	END ROAD WORK	G20-2A	5	15	75	SEE STAGE CONSTRUCTION - STAGE 1
	ROAD CLOSED	R11-2	1	15	15	SEE STAGE CONSTRUCTION - STAGE 1
	ROAD CLOSED AHEAD	W20-3A	2	15	30	SEE STAGE CONSTRUCTION - STAGE 1
	ROAD CLOSED 500 FT	W20-3D	1	15	15	SEE STAGE CONSTRUCTION - STAGE 1
	SHOULDER WORK	W21-5	1	15	15	SEE STAGE CONSTRUCTION - STAGE 1
				STAGE 1 SUB-TOTAL	225	
STAGE 2						
PROJECT LIMITS	MAX 12' WIDTH	W12-52	2	60	120	SEE STAGE CONSTRUCTION - STAGE 2
	ROAD WORK AHEAD	W20-1A	4	60	240	SEE STAGE CONSTRUCTION - STAGE 2
	LEFT CURVE AHEAD	WO1-4L	2	60	120	SEE STAGE CONSTRUCTION - STAGE 2
	END ROAD WORK	G20-2A	4	60	240	SEE STAGE CONSTRUCTION - STAGE 2
	ONE-DIRECTION LARGE ARROW	WO1-6	1	60	60	SEE STAGE CONSTRUCTION - STAGE 2
	ROAD CLOSED	R11-2	5	60	300	SEE STAGE CONSTRUCTION - STAGE 2
	ROAD CLOSED AHEAD	W20-3A	3	60	180	SEE STAGE CONSTRUCTION - STAGE 2
	ROAD CLOSED 500 FT	W20-3D	3	60	180	SEE STAGE CONSTRUCTION - STAGE 2
	RIGHT CURVE AHEAD	WO1-4R	1	60	60	SEE STAGE CONSTRUCTION - STAGE 2
	BEGIN RIGHT TURN LANE	R3-20R	1	60	60	SEE STAGE CONSTRUCTION - STAGE 2
	SOUTH 39 ARROW / SOUTH 51 ARROW	J2-2	1	60	60	SEE STAGE CONSTRUCTION - STAGE 2
				STAGE 2 SUB-TOTAL	1620	
STAGE 3						
PROJECT LIMITS	MAX 13' WIDTH	W12-52	2	10	20	SEE STAGE CONSTRUCTION - STAGE 3
	ROAD WORK AHEAD	W20-1A	5	10	50	SEE STAGE CONSTRUCTION - STAGE 3
	END ROAD WORK	G20-2A	5	10	50	SEE STAGE CONSTRUCTION - STAGE 3
	ONE-DIRECTION LARGE ARROW	WO1-6	2	10	20	SEE STAGE CONSTRUCTION - STAGE 3
	ROAD CLOSED	R11-2	3	10	30	SEE STAGE CONSTRUCTION - STAGE 3
	ROAD CLOSED AHEAD	W20-3A	1	10	10	SEE STAGE CONSTRUCTION - STAGE 3
	ROAD CLOSED 500 FT	W20-3D	2	10	20	SEE STAGE CONSTRUCTION - STAGE 3
	RIGHT CURVE AHEAD	WO1-4R	1	10	10	SEE STAGE CONSTRUCTION - STAGE 3
	DIVIDED HIGHWAY SYMBOL	WO6-1	1	10	10	SEE STAGE CONSTRUCTION - STAGE 3
				STAGE 3 SUB-TOTAL	220	

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3

TRAFFIC CONTROL SIGNS

LOCATION	MESSAGE	SIGN CODE	NO	DAYS	643.0900 DAY	REMARKS
STAGE 4						
PROJECT LIMITS	SHOULDER WORK	W21-5	1	34	34	SEE STAGE CONSTRUCTION - STAGE 4
	ROAD WORK AHEAD	W20-1A	4	34	136	SEE STAGE CONSTRUCTION - STAGE 4
	END ROAD WORK	G20-2A	5	34	170	SEE STAGE CONSTRUCTION - STAGE 4
	ONE-DIRECTION LARGE ARROW	WO1-6	2	34	68	SEE STAGE CONSTRUCTION - STAGE 4
	ROAD CLOSED	R11-2	1	34	34	SEE STAGE CONSTRUCTION - STAGE 4
	ROAD CLOSED AHEAD	W20-3A	1	34	34	SEE STAGE CONSTRUCTION - STAGE 4
	ROAD CLOSED 500 FT	W20-3D	1	34	34	SEE STAGE CONSTRUCTION - STAGE 4
				STAGE 4 SUB-TOTAL	510	
WIDTH RESTRICTIONS *						
STH 34 & CTH C INTERSECTION	MAX xx' WIDTH	W12-52	1	50	50	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
	3 MILES AHEAD	WO57-52	1	50	50	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
CTH C	NORTH	M3-1	1	50	50	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
(STH 34 & CTH C INTERSECTION)	STH 34	M1-6	1	50	50	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
	MAX xx' WIDTH	W12-52	1	50	50	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
USH 10 EB	NORTH	M3-1	1	50	50	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
(PRIOR TO STH 34 NORTH EXIT)	STH 34	M1-6	1	50	50	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
	MAX xx' WIDTH	W12-52	1	50	50	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
I39/US 51 LT & RT SHOULDER &	SOUTH	M3-3	4	50	200	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
I39/US 51 NB 1000' PRIOR TO	STH 34	M1-6	4	50	200	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
OFF RAMP	MAX xx' WIDTH	W12-52	4	50	200	SEE STAGE CONSTRUCTION - STAGE 1, 2, 3
				WIDTH RESTRICTIONS SUB-TOTAL	1000	
DETOUR						
IH 39 SB OFF RAMP	RAMP CLOSED	R11-2R	1	1	1	SEE DETOUR - STAGE 1
				DETOURS SUB-TOTAL	1	
				GRAND TOTAL	3576	

* STAGE 1 = 12' WIDTH RESTRICTION
STAGE 2 = 12' WIDTH RESTRICTION
STAGE 3 = 13' WIDTH RESTRICTION

TRAFFIC CONTROL SIGNS PCMS

STATION	LOCATION	DESCRIPTION PHASE 1	DESCRIPTION PHASE 2	643.1050 DAY	REMARKS
DETOUR					
IH 39/USH 51 SB	1 MILE PRIOR TO EXIT 172 SB OFF RAMP	NIGHTLY RAMP CLOSURE	MONTH DAY TIME - TIME	7	SEE DETOUR -STAGE 1 (INSTALL 7 DAYS PRIOR TO RAMP CLOSURE)
		EXIT 175 CLOSED	USE EXIT 171	1	SEE DETOUR - STAGE 1 (INSTALL DURING CLOSURE)
			TOTAL	8	

TRAFFIC CONTROL SIGNS FIXED MESSAGE

LOCATION	DESCRIPTION	SIZE	643.1000 SF	REMARKS
BEGINNING OF PROJECT	HWY 34	72"x36"	18	
END OF PROJECT	ROAD WORK		18	
IH39 SB OFF RAMP	BEGINS XXX-XX		18	
STH 153 & OLD HWY 51	OLD HWY 51 CLOSED AT WIS 34	60"x36"	15	
		TOTAL	69	

GEOTEXTILE TYPE SAS

STATION	LOCATION	645.0140 SY	REMARKS
8+50NB - 11+82NB	STH 34 NB	591	UNDER BREAKER RUN
11+82NB - 14+17NB	STH 34 NB	835	UNDER BREAKER RUN
14+17NB - 14+64NB	STH 34 NB	122	UNDER BREAKER RUN
14+64NB - 15+28NB	STH 34 NB	163	UNDER BREAKER RUN
15+28NB - 15+34NB	STH 34 NB	23	UNDER BREAKER RUN
16+89NB - 17+80NB	STH 34 NB	252	UNDER BREAKER RUN
17+80NB - 20+49NB	STH 34 NB	859	UNDER BREAKER RUN
20+49NB - 25+36NB	STH 34 NB	1443	UNDER BREAKER RUN
98+50SB - 101+82SB	STH 34 SB	586	UNDER BREAKER RUN
101+82SB - 104+49SE	STH 34 SB	678	UNDER BREAKER RUN
104+49SB - 105+40SE	STH 34 SB	393	UNDER BREAKER RUN
106+91SB - 106+97SE	STH 34 SB	21	UNDER BREAKER RUN
106+97SB - 107+65SE	STH 34 SB	370	UNDER BREAKER RUN
107+65SB - 107+95SE	STH 34 SB	78	UNDER BREAKER RUN
107+95SB - 110+38SE	STH 34 SB	614	UNDER BREAKER RUN
110+38SB - 115+26SE	STH 34 SB	1221	UNDER BREAKER RUN
56+01D - 56+91D	CTH DB NB	342	UNDER BREAKER RUN
58+45D - 59+31D	OLD HWY 51 NB	313	UNDER BREAKER RUN
505+93B - 506+87B	CTH DB SB	262	UNDER BREAKER RUN
508+42B - 509+32B	OLD HWY 51 SB	234	UNDER BREAKER RUN
1+00C - 4+46C	ROUNDABOUT	1900	UNDER BREAKER RUN
	TOTAL	11302	

3

MARKING LINE

STATION - STATION	LOCATION	646.1020 4-INCH EPOXY EDGELINE OR C/L DOUBLE YELLOW LF	646.1020 4-INCH EPOXY EDGELINE (INCL 3-9 SKIP) WHITE LF	646.1040 4-INCH GROOVED WET REF EPOXY EDGELINE OR C/L DOUBLE YELLOW LF	646.1040 4-INCH GROOVED WET REF EPOXY EDGELINE (INCL 3-9 SKIP) WHITE LF	646.3020 8-INCH EPOXY LF	646.3040 8-INCH GROOVED WET REF EPOXY CHANNELIZING WHITE LF	646.7120 DIAGONAL 12-INCH EPOXY YELLOW LF	646.4520 SAME DAY EPOXY 4-INCH C/L DOUBLE YELLOW LF	646.4520 SAME DAY EPOXY 4-INCH EDGELINE WHITE LF	646.4620 SAME DAY EPOXY 8-INCH WHITE LF	646.6120 STOP LINE EPOXY 18-INCH LF	646.6320 DOTTED EXTENSION EPOXY 18-INCH LF	646.8120 CURB EPOXY LF	646.8220 ISLAND NOSE EPOXY EACH	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	TEMPORARY MARKING LINE 649.0105 PAINT 4-INCH LF	TEMPORARY MARKING LINE 649.0150 REMOVABLE TAPE 4-INCH LF	TEMPORARY MARKING LINE 649.0250 REMOVABLE TAPE 8-INCH LF	REMARKS
3+87NB - 15+38NB	TEMPORARY ROADWAY	---	---	---	---	---	---	---	4785	1260	365	---	---	---	---	5839	365	---	---	---	STAGE 1
5+00T - 30+00T	TEMPORARY ROADWAY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5000	260	130	STAGE 2
6+00T - 28+50T	TEMPORARY ROADWAY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2200	---	---	STAGE 2
3+87NB - 15+38NB	STH 34 WEST TO RAB	---	---	2609	2120	68	---	43	---	---	---	---	18	10	1	---	---	---	---	---	
16+82NB - 29+46NB	STH 34 TO IH-39 STRUCTURE	---	---	2996	2131	76	171	75	---	---	---	---	19	10	1	---	---	---	---	---	
	IH 39 SB EXIT RAMP	---	50	---	---	---	---	---	---	---	---	44	---	40	---	---	---	---	---	---	
47+25D - 56+94D	CTH DB SOUTH TO RAB	2387	1221	---	---	60	---	84	---	---	---	---	17	10	1	---	---	---	---	---	
58+44D - 62+50D	RAB TO CTH DB NORTH	2248	772	---	---	49	---	58	---	---	---	---	16	10	1	---	---	---	---	---	
	SUB-TOTALS	4635	2043	5605	4251	253	171	260	4785	1260	365	44	69	80	4	5839	365	7200	260	130	
	TOTALS	6678		9856		253	171	260	6045		365	44	69	80	4	5839	365	7200	260	130	

* QUANTITY SHOWN ELSEWHERE IN MISCELLANEOUS QUANTITIES

3

CONSTRUCTION STAKING

STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB & GUTTER LF	650.6000 PIPE CULVERTS EACH	650.9920 SLOPE STAKES LF	REMARKS
6+85T - 28+56T	TEMPORARY ROAD	2171	2171	---	---	2171	
8+50NB - 15+34NB	STH 34 NB	684	684	603	---	684	
16+89NB - 25+36NB	STH 34 NB	847	847	346	---	847	
98+50SB - 105+40SB	STH 34 SB	690	690	594	---	690	
106+91SB - 115+26SB	STH 34 SB	835	835	568	---	835	
50+00D - 56+91D	CTH DB/OLD HWY 51 NB	691	691	241	---	691	
58+45D - 62+90D	CTH DB/OLD HWY 51 NB	445	445	188	---	445	
500+00B - 506+87B	CTH DB/OLD HWY 51 SB	687	687	237	---	687	
508+42B - 512+89B	CTH DB/OLD HWY 51 SB	447	447	193	---	447	
1+00C - 4+46C	ROUNDABOUT	346	346	666	---	346	
10+22T	TEMPORARY ROAD	---	---	---	1	---	
9+13NB	STH 34 NB	---	---	---	1	---	
59+47D	OLD HWY 51 NB	---	---	---	1	---	
510+85B	OLD HWY 51 SB	---	---	---	1	---	
PROJECT LIMITS	STH 34	---	---	---	---	---	
TOTALS		7843	7843	3636	4	7843	

NOTE: CONSTRUCTION STAKING STORM SEWER SEE STORM SEWER STRUCTURES QUANTITIES

PULL BOXES NON-CONDUTIVE 24X42-INCH

DESCRIPTION	STATION	OFFSET	653.0164 EACH
LPB-1	510+40.00 B	25.5' LT	1
LPB-2	509+07.55 B	32.2' LT	1
LPB-3	59+01.89 D	35.4' RT	1
LPB-4	107+62.23 SB	33.6' LT	1
LPB-5	17+44.74 NB	34.7' RT	1
LPB-6	56+25.18 D	32.1' RT	1
LPB-7	506+20.14 B	33.7' LT	1
LPB-8	14+61.79 NB	37.3' RT	1
LPB-9	104+80.32 SB	34.6' LT	1
TOTALS			9

LIGHTING CONTROL CABINET AND BASES

DESCRIPTION	STATION	OFFSET	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LCC A) LS	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH
LCC A	510+40.00 B	43.0' LT	1	1	1
TOTALS			1	1	1

3

CONDUIT RIGID NONMETALLIC SCHEDULE 40
AND ELECTRICAL WIRE LIGHTING

FROM	TO	652.0225 2-INCH LF	652.0235 3-INCH LF	655.0620 8 AWG LF
LCC A	LPB-1	---	45	147
LPB-1	A-1	124	---	390
A-1	STUB	10	---	---
LPB-1	LPB-2	138	---	720
LPB-2	A-2	10	---	48
A-2	A-15	87	---	279
A-15	LPB-9	64	---	350
LPB-9	A-16	123	---	387
A-16	STUB	10	---	---
LPB-9	LPB-8	86	---	276
LPB-8	A-13	10	---	80
LPB-8	A-14	260	---	798
A-14	STUB	10	---	---
A-13	A-11	71	---	231
A-11	LPB-7	67	---	219
LPB-7	A-12	101	---	321
A-12	STUB	10	---	---
LPB-2	LPB-3	78	---	252
LPB-3	A-3	111	---	351
A-3	STUB	10	---	---
LPB-3	A-4	49	---	275
A-4	A-5	71	---	231
A-5	LPB-4	10	---	80
LPB-4	A-6	254	---	780
A-6	STUB	10	---	---
LPB-4	LPB-5	88	---	282
LPB-5	A-8	142	---	444
A-8	STUB	10	---	---
LPB-5	A-7	59	---	325
A-7	A-9	96	---	306
A-9	LPB-6	10	---	48
LPB-6	A-10	272	---	834
A-10	STUB	10	---	---
LPB-6	LPB-7	78	---	---
	TOTALS	2539	45	8454

CONCRETE BASES TYPE 5

DESCRIPTION	STATION	OFFSET	654.0105 EACH
A-1	511+63.84 B	22.0' LT	1
A-2	508+98.28 B	34.9' LT	1
A-3	60+15.35 D	22.0' RT	1
A-4	58+50.89 D	48.2' RT	1
A-5	107+51.79 SB	37.0' LT	1
A-6	110+20.27 SB	24.0' LT	1
A-7	16+85.04 NB	41.3' RT	1
A-8	18+80.30 NB	24.2' RT	1
A-9	56+34.74 D	34.8' RT	1
A-10	53+63.88 D	22.0' RT	1
A-11	506+91.64 B	46.2' LT	1
A-12	505+15.54 B	22.7' LT	1
A-13	14+71.69 NB	39.4' RT	1
A-14	12+05.11 NB	24.0' RT	1
A-15	105+44.18 SB	43.6' LT	1
A-16	103+57.28 SB	24.0' LT	1
	TOTAL		16

SAWING

STATION	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF	REMARKS
42+65T - 45+10T	TEMPORARY ROAD	245	---	OLD 51 ROAD
53+25T - 54+35T	I39/USH 51 SB OFF RAMP	18	130	
8+50NB	STH 34 NB	30	---	
25+35NB	STH 34 NB	48	---	
50+00D	CTH DB	22	---	
62+90D	OLD HWY 51	22	---	
	TOTALS	385	130	

LIGHTING UNITS AND ELECTRICAL WIRE LIGHTING

DESCRIPTION	STATION	OFFSET	655.0610 ELETRICAL WIRE LIGHTING 12 AWG EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2- CLAMP 8-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH
A-1	511+63.84 B	22.0' LT	164	1	1	1	1
A-2	508+98.28 B	34.9' LT	164	1	1	1	1
A-3	60+15.35 D	22.0' RT	164	1	1	1	1
A-4	58+50.89 D	48.2' RT	164	1	1	1	1
A-5	107+51.79 SB	37.0' LT	164	1	1	1	1
A-6	110+20.27 SB	24.0' LT	164	1	1	1	1
A-7	16+85.04 NB	41.3' RT	164	1	1	1	1
A-8	18+80.30 NB	24.2' RT	164	1	1	1	1
A-9	56+34.74 D	34.8' RT	164	1	1	1	1
A-10	53+63.88 D	22.0' RT	164	1	1	1	1
A-11	506+91.64 B	46.2' LT	164	1	1	1	1
A-12	505+15.54 B	22.7' LT	164	1	1	1	1
A-13	14+71.69 NB	39.4' RT	164	1	1	1	1
A-14	12+05.11 NB	24.0' RT	164	1	1	1	1
A-15	105+44.18 SB	43.6' LT	164	1	1	1	1
A-16	103+57.28 SB	24.0' LT	164	1	1	1	1
		TOTALS	2616	16	16	16	16

EXISTING LAND PARCEL MONUMENTS

STATION	LOCATION	* POINT	SPV.0060.01 RESEARCH AND LOCATE EACH	SPV.0060.02 VERIFY AND REPLACE EACH	REMARKS
291+39.73	STH 34; 80.00' RT	122	1	1	
295+95.85	STH 34; 129.74 RT	121	1	1	
296+45.73	STH 34; 190.67' RT	120/PROP521	1	1	
11+00.00	CTH DB; 33.00' RT	117	1	1	
11+00.00	CTH DB; 43.00' RT	TLE156	1	1	
11+67.42	CTH DB; 33.00' RT	116	1	1	
12+01.04	CTH DB; 43.00' RT	TLE155	1	1	
15+00.05	CTH DB; 131.55' RT	115	1	1	
17+60.97	CTH DB; 162.49' RT	114	1	1	
301+99.48	STH 34; 141.27' RT	113	1	1	
304+26.00	STH 34; 102.51' RT	112	1	1	
298+54.02	STH 34; 214.39' LT	TLE150	1	1	
298+79.55	STH 34; 229.41' LT	101	1	1	
24+01.86	OLD HWY 51; 48.00' LT	TLE151	1	1	
24+01.86	OLD HWY 51; 33.00' LT	TLE152	1	1	
23+47.44	OLD HWY 51; 33.00' RT	104	1	1	
23+47.44	OLD HWY 51; 51.35' RT	105	1	1	
21+95.95	OLD HWY 51;68.69' RT	106	1	1	
300+41.42	STH 34; 82.00' LT	TLE153	1	1	
300+45.54	STH 34; 75.00' LT	107	1	1	
303+90.06	STH 34; 75.00' LT	108	1	1	
304+27.24	STH 34; 82.00' LT	TLE 154	1	1	
		TOTALS	22	22	

* SEE TRANSPORATION PROJECT PLAT NO: 6610-04-20-4.01 AMENDMENT NO. 1 FOR MORE INFORMATION

STATE OF WISCONSIN - MARATHON COUNTY
RECORDED
08-17-2021 at 9:36 AM
DEAN J. STRATZ, REGISTER OF DEEDS
DOC#: **1843298**
Pages: 1

*This document has been electronically recorded
and returned to: WisDOT - NC Region - Rhinelander / WI Rapids P

TRANSPORTATION PROJECT PLAT NO: 6610-04-20-4.01 AMENDMENT NO. 1

AMENDS PARCELS 1 AND 2 AND REMOVES PARCEL 6 TO TRANSPORTATION PROJECT PLAT NO: 6610-04-20-4.01, RECORDED AS DOCUMENT NUMBER 1836672, LOCATED IN PART OF LOT 1 OF CSM NO. 18121, LOT 1 OF CSM NO. 9781, LOT 1 OF CSM NO. 10231 AND OUTLOT 1 OF CSM NO. 14947; ALL LOCATED IN AND INCLUDING PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, PART OF LOT 1 OF CSM NO. 18121 LOCATED IN PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, AND PART OF LOT 1 OF CSM NO. 9781 LOCATED IN PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4; ALL OF SECTION 21, TOWNSHIP 26 NORTH, RANGE 7 EAST, TOWN OF KNOWLTON, MARATHON COUNTY, WISCONSIN

RELOCATION ORDER S.T.H. "34", RUDOLPH - KNOWLTON (STH 34 & CTH DB/OLD 51 INTERSECTION) MARATHON COUNTY

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

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

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6610-04-20 - 4.01
SHEET 1 OF 1
AMENDMENT NO: 1

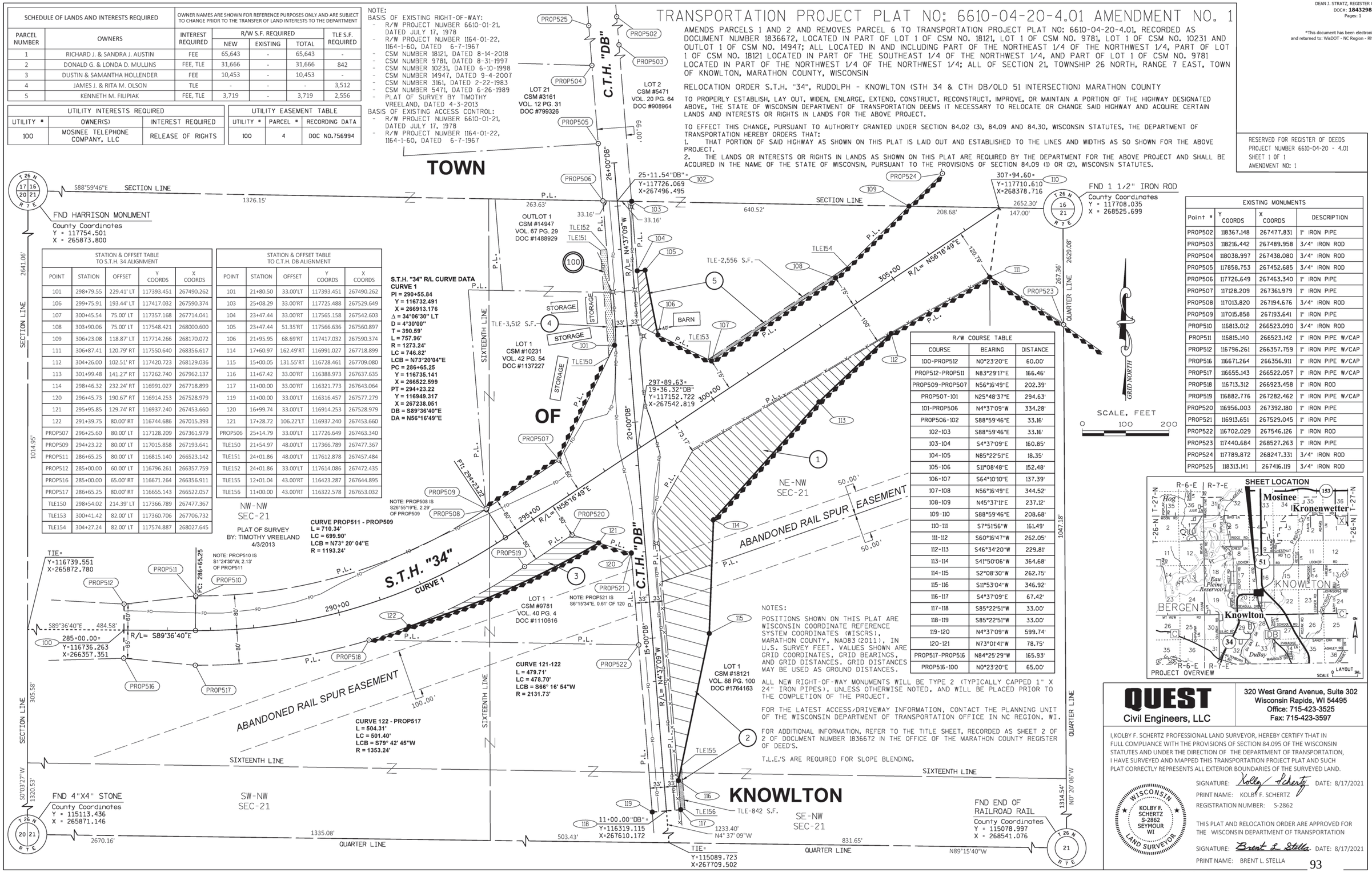
SCHEDULE OF LANDS AND INTERESTS REQUIRED		OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT				
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W S.F. REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
1	RICHARD J. & SANDRA J. AUSTIN	FEE	65,643	-	65,643	-
2	DONALD G. & LONDA D. MULLINS	FEE, TLE	31,666	-	31,666	842
3	DUSTIN & SAMANTHA HOLLENDER	FEE	10,453	-	10,453	-
4	JAMES J. & RITA M. OLSON	TLE	-	-	-	3,512
5	KENNETH M. FILIPIAK	FEE, TLE	3,719	-	3,719	2,556

UTILITY INTERESTS REQUIRED		
UTILITY #	OWNER(S)	INTEREST REQUIRED
100	MOSINEE TELEPHONE COMPANY, LLC	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE		
UTILITY #	PARCEL #	RECORDING DATA
100	4	DOC NO.756994

NOTE:
BASIS OF EXISTING RIGHT-OF-WAY:
- R/W PROJECT NUMBER 6610-01-21, DATED JULY 17, 1978
- R/W PROJECT NUMBER 1164-01-22, 1164-1-60, DATED 6-7-1967
- CSM NUMBER 18121, DATED 8-14-2018
- CSM NUMBER 9781, DATED 8-31-1997
- CSM NUMBER 10231, DATED 6-10-1998
- CSM NUMBER 14947, DATED 9-4-2007
- CSM NUMBER 3161, DATED 2-22-1983
- CSM NUMBER 5471, DATED 6-26-1989
- PLAT OF SURVEY BY TIMOTHY VREELAND, DATED 4-3-2013

BASIS OF EXISTING ACCESS CONTROL:
- R/W PROJECT NUMBER 6610-01-21, DATED JULY 17, 1978
- R/W PROJECT NUMBER 1164-01-22, 1164-1-60, DATED 6-7-1967



R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
100-PROP512	N0°23'20"E	60.00'
PROP512-PROP511	N83°29'17"E	166.46'
PROP509-PROP507	N56°16'49"E	202.39'
PROP507-101	N25°48'37"E	294.63'
101-PROP506	N4°37'09"W	334.28'
PROP506-102	S88°59'46"E	33.16'
102-103	S88°59'46"E	33.16'
103-104	S4°37'09"E	160.85'
104-105	N85°22'51"E	18.35'
105-106	S11°08'48"E	152.48'
106-107	S64°10'10"E	137.39'
107-108	N56°16'49"E	344.52'
108-109	N45°37'11"E	237.12'
109-110	S88°59'46"E	208.68'
110-111	S7°51'56"W	161.49'
111-112	S60°16'47"W	262.05'
112-113	S46°34'20"W	229.81'
113-114	S41°50'06"W	364.68'
114-115	S2°08'30"W	262.75'
115-116	S11°53'04"W	346.92'
116-117	S4°37'09"E	67.42'
117-118	S85°22'51"W	33.00'
118-119	S85°22'51"W	33.00'
119-120	N4°37'09"W	599.74'
120-121	N73°01'41"W	78.75'
PROP517-PROP516	N84°25'29"W	165.93'
PROP516-100	N0°23'20"E	65.00'

EXISTING MONUMENTS			
Point #	Y COORDS	X COORDS	DESCRIPTION
PROP502	118367.148	267477.831	1" IRON PIPE
PROP503	118216.442	267489.958	3/4" IRON ROD
PROP504	118038.997	267438.080	3/4" IRON ROD
PROP505	117858.753	267452.685	3/4" IRON ROD
PROP506	117726.649	267463.340	1" IRON PIPE
PROP507	117128.209	267361.979	1" IRON PIPE
PROP508	117013.820	267194.676	3/4" IRON ROD
PROP509	117015.858	267193.641	1" IRON PIPE
PROP510	116813.012	266523.090	3/4" IRON ROD
PROP511	116815.140	266523.142	1" IRON PIPE W/CAP
PROP512	116796.261	266357.759	1" IRON PIPE W/CAP
PROP516	116671.264	266356.911	1" IRON PIPE W/CAP
PROP517	116655.143	266522.057	1" IRON PIPE W/CAP
PROP518	116713.312	266923.458	1" IRON ROD
PROP519	116882.776	267282.462	1" IRON PIPE W/CAP
PROP520	116956.003	267392.180	1" IRON PIPE
PROP521	116913.651	267529.045	1" IRON PIPE
PROP522	116702.029	267546.126	1" IRON ROD
PROP523	117440.684	268527.263	1" IRON PIPE
PROP524	117789.872	268247.331	3/4" IRON ROD
PROP525	118313.141	267416.119	3/4" IRON ROD

STATION & OFFSET TABLE TO S.T.H. 34 ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
101	298+79.55	229.41' LT	117393.451	267490.262
106	299+75.91	193.44' LT	117417.032	267590.374
107	300+45.54	75.00' LT	117357.168	267714.041
108	303+90.06	75.00' LT	117548.421	268000.600
109	306+23.08	118.87' LT	117714.266	268170.072
111	306+87.41	120.79' RT	117550.640	268356.617
112	304+26.00	102.51' RT	117420.723	268129.036
113	301+99.48	141.27' RT	117262.740	267962.137
114	298+46.32	232.24' RT	116991.027	267718.899
120	296+45.73	190.67' RT	116914.253	267528.979
121	295+95.85	129.74' RT	116937.240	267453.660
122	291+39.75	80.00' RT	116744.686	267015.393
PROP507	296+25.60	80.00' LT	117128.209	267361.979
PROP509	294+23.22	80.00' LT	117015.858	267193.641
PROP511	286+65.25	80.00' LT	116815.140	266523.142
PROP512	285+00.00	60.00' LT	116796.261	266357.759
PROP516	285+00.00	65.00' RT	116671.264	266356.911
PROP517	286+65.25	80.00' RT	116655.143	266522.057
TLE150	298+54.02	214.39' LT	117366.789	267477.367
TLE153	300+41.42	82.00' LT	117360.706	267706.732
TLE154	304+27.24	82.00' LT	117574.887	268027.645

STATION & OFFSET TABLE TO C.T.H. DB ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
101	21+80.50	33.00'LT	117393.451	267490.262
103	25+08.29	33.00'RT	117725.488	267529.649
104	23+47.44	33.00'RT	117565.158	267542.603
105	23+47.44	51.35'RT	117566.636	267560.897
106	21+95.95	68.69'RT	117417.032	267590.374
114	17+60.97	162.49'RT	116991.027	267718.899
115	15+00.05	131.55'RT	116728.461	267709.080
116	11+67.42	33.00'RT	116388.973	267637.635
117	11+00.00	33.00'RT	116321.773	267643.064
119	11+00.00	33.00'LT	116316.457	267577.279
120	16+99.74	33.00'LT	116914.253	267528.979
121	17+28.72	106.22'LT	116937.240	267453.660
PROP506	25+14.79	33.00'LT	117726.649	267463.340
TLE150	21+54.97	48.00'LT	117366.789	267477.367
TLE151	24+01.86	48.00'LT	117612.878	267457.484
TLE152	24+01.86	33.00'LT	117614.086	267472.435
TLE155	12+01.04	43.00'RT	116423.287	267644.895
TLE156	11+00.00	43.00'RT	116322.578	267653.032

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83 (2011), IN U.S. 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 (TYPICALLY CAPPED 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

FOR ADDITIONAL INFORMATION, REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1836672 IN THE OFFICE OF THE MARATHON COUNTY REGISTER OF DEED'S.

T.L.E.'S ARE REQUIRED FOR SLOPE BLENDING.

QUEST
Civil Engineers, LLC

320 West Grand Avenue, Suite 302
Wisconsin Rapids, WI 54495
Office: 715-423-3525
Fax: 715-423-3597

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

WISCONSIN
KOLBY F. SCHERTZ
S-2862
SEYMOUR
WI
LAND SURVEYOR

SIGNATURE: Kolby F. Schertz DATE: 8/17/2021
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER: S-2862

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Brent L. Stella DATE: 8/17/2021
PRINT NAME: BRENT L. STELLA

FILE NAME : S:\SURVEY\LAND SURVEYS\2020 PROJECTS\WO#7_NC_MC06972379_JV10094215_66100470-STH34_TPP\C3D\TPP_STH34_66100420_A1.DWG
APPRAISAL PLAT DATE : 8-17-2021
PLOT DATE : August 17, 2021 PLOT BY : KFS PLOT NAME : STH 34 PLOT SCALE : 1" = 100'
6610-04-20 - 4.01 AMENDMENT NO. 1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 6610-04-20
RUDOLPH - KNOWLTON
STH 34 & CTH DB/OLD 51 INTERSECTION
S.T.H. "34"
MARATHON COUNTY



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
PARALLEL OFFSETS

SECTION CORNER SYMBOL (30 25 36 / 31 6 1)
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN (SIGN)
OFF-PREMISE SIGN (61-25 SIGN)

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (AS NOTED)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	●	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	✱	✳
LIGHT POLE	✱	✳
FIRE HYDRANT	●	⌀
WATER VALVE	◒	⊘

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)
EXISTING MONUMENT NUMBER
R/W BOUNDARY POINT NUMBER

CONVENTIONAL ABBREVIATIONS

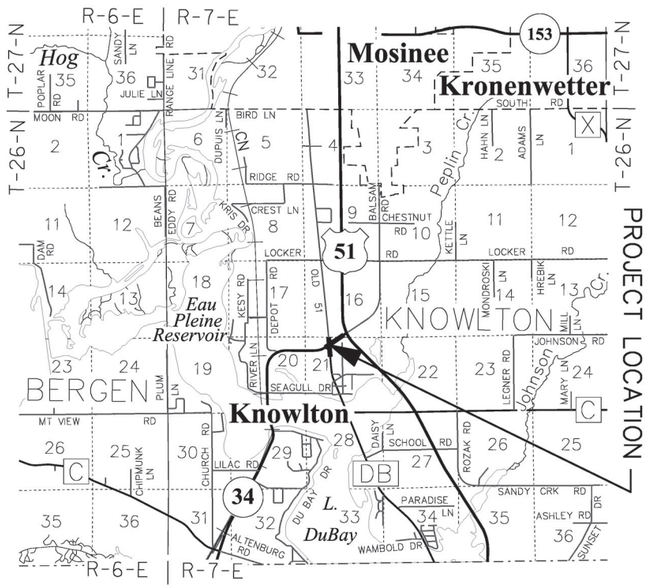
ACCESS RIGHTS	AR
ACRES	AC
AHEAD	AH
ALUMINUM	ALUM
AND OTHERS	ET AL
BACK	BK
BLOCK	BLK
CENTERLINE	C/L
CERTIFIED SURVEY MAP	CSM
CONCRETE	CONC
COUNTY	CO
COUNTY TRUNK HIGHWAY	CTH
DISTANCE	DIST
CORNER	COR
DOCUMENT NUMBER	DOC
EASEMENT	EASE
EXISTING	EX
GAS VALVE	GV
GRID NORTH	GN
HIGHWAY EASEMENT	HE
IDENTIFICATION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

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
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



THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6610-04-20.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARATHON COUNTY, NAD83(2011), IN U.S. 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 (TYPICALLY CAPPED 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

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

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

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

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

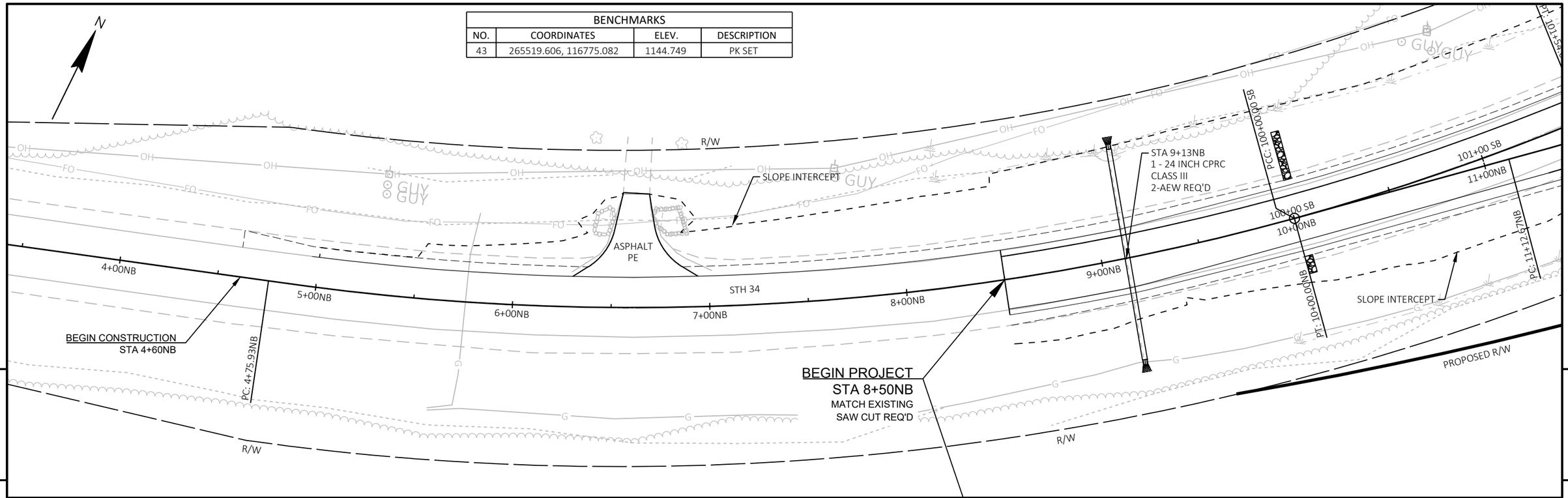
PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TRANSPORTATION PROJECT PLAT DETAIL SHEETS.

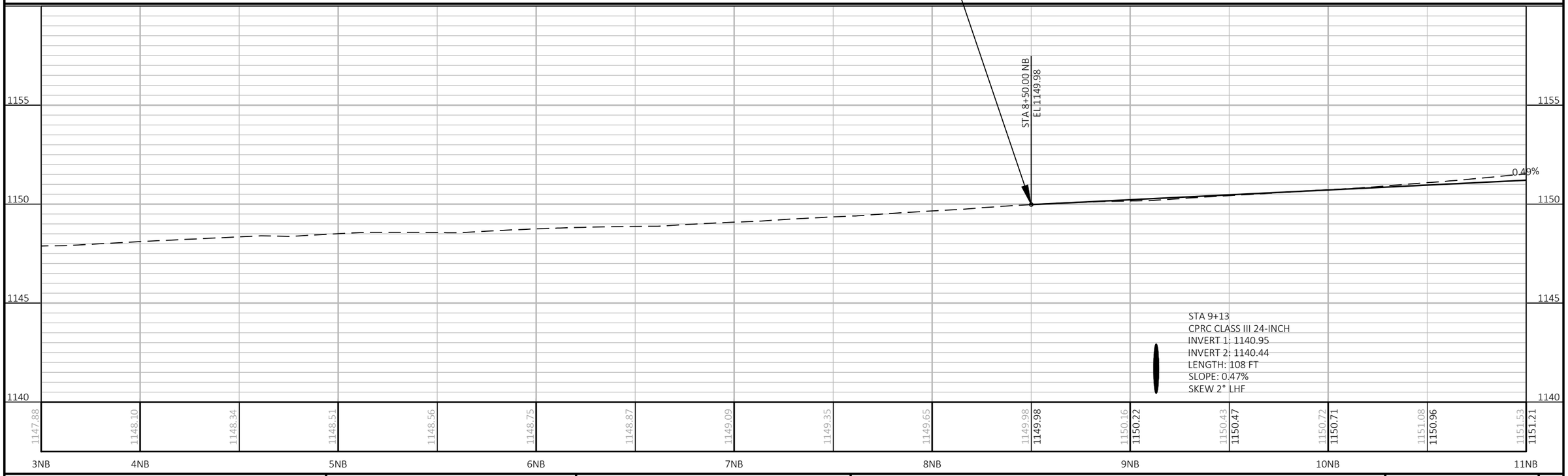
INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TRANSPORTATION PROJECT PLAT DETAIL SHEETS.

PROJECT NUMBER 6610-04-20 -4. 01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : S:\SURVEY\LAND SURVEYS\2020 PROJECTS\WO#7_NC_MC06972379_IV10094215_66100470-STH34_TPP\C3D\TPP_STH34_66100420.DWG
LAYOUT NAME: TPP Title Sheet
PLOT DATE : May 26, 2021 PLOT BY : KFS PLOT NAME : S.T.H. "34"

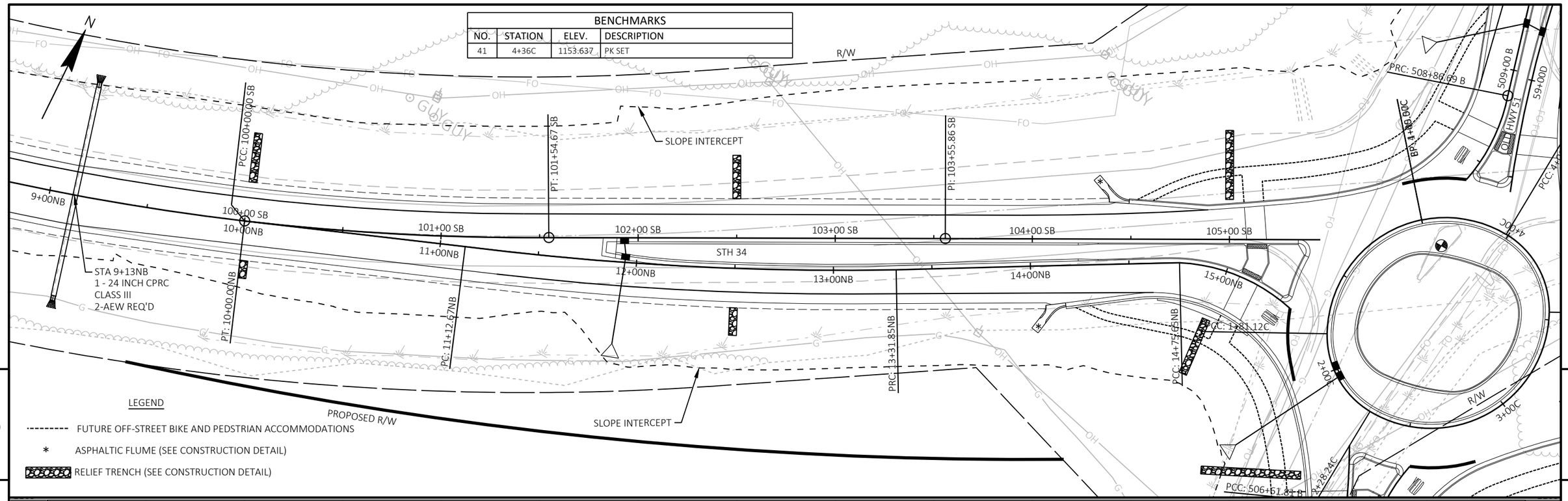
BENCHMARKS			
NO.	COORDINATES	ELEV.	DESCRIPTION
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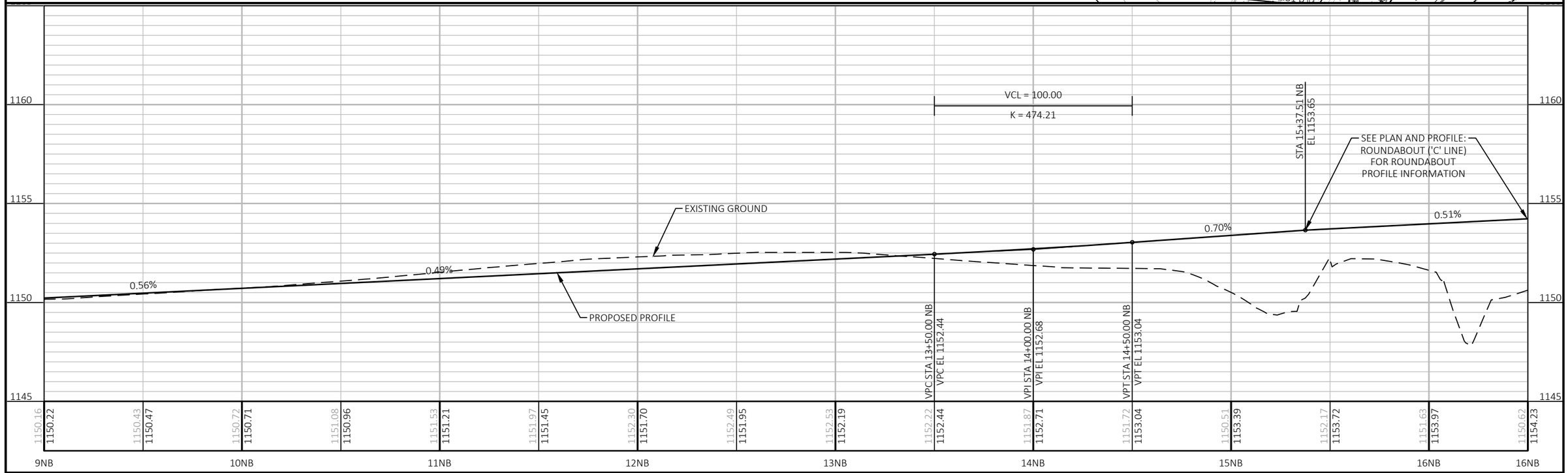




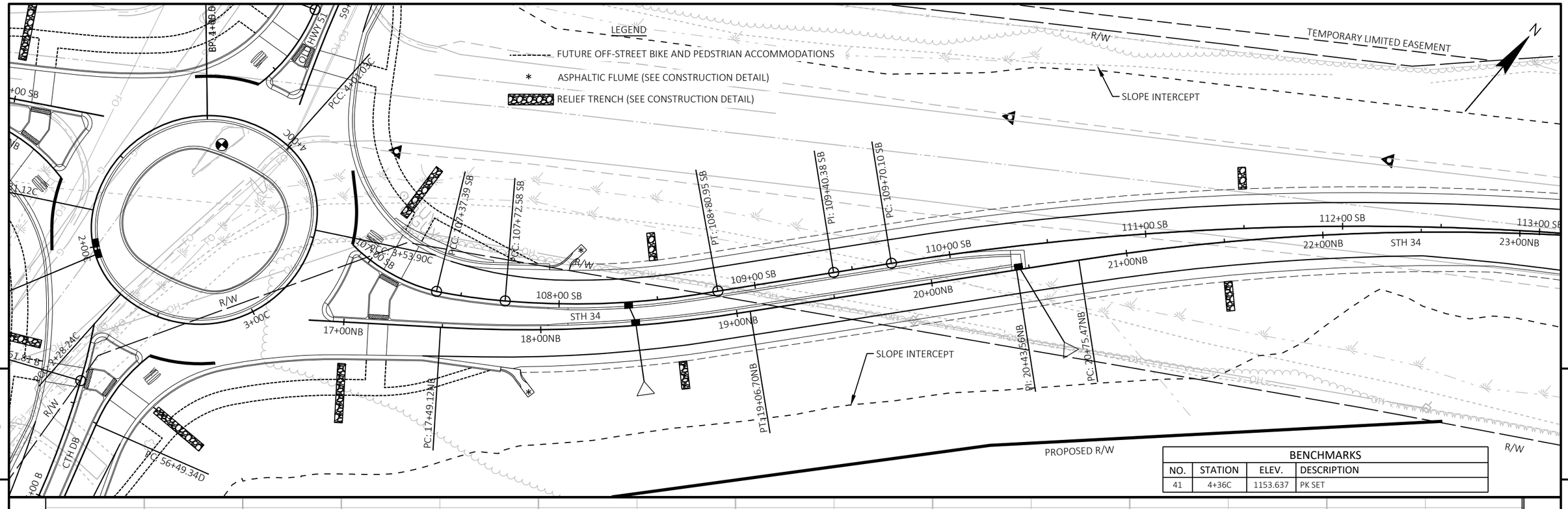
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: STH 34 - NB ('NB' LINE)	SHEET 95	E

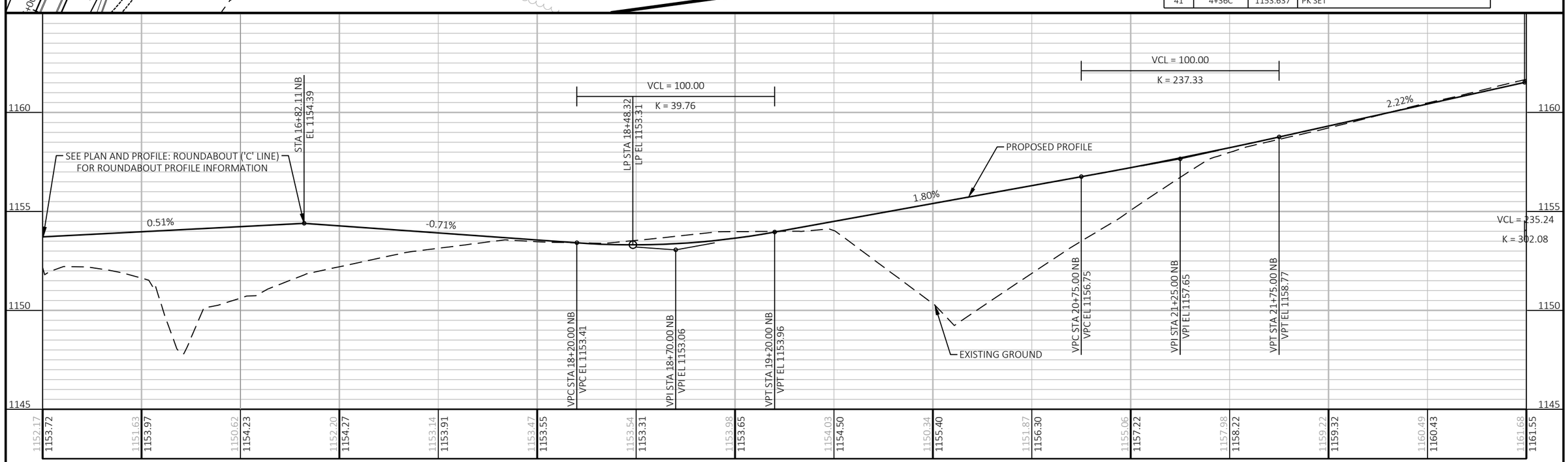
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
41	4+36C	1153.637	PK SET





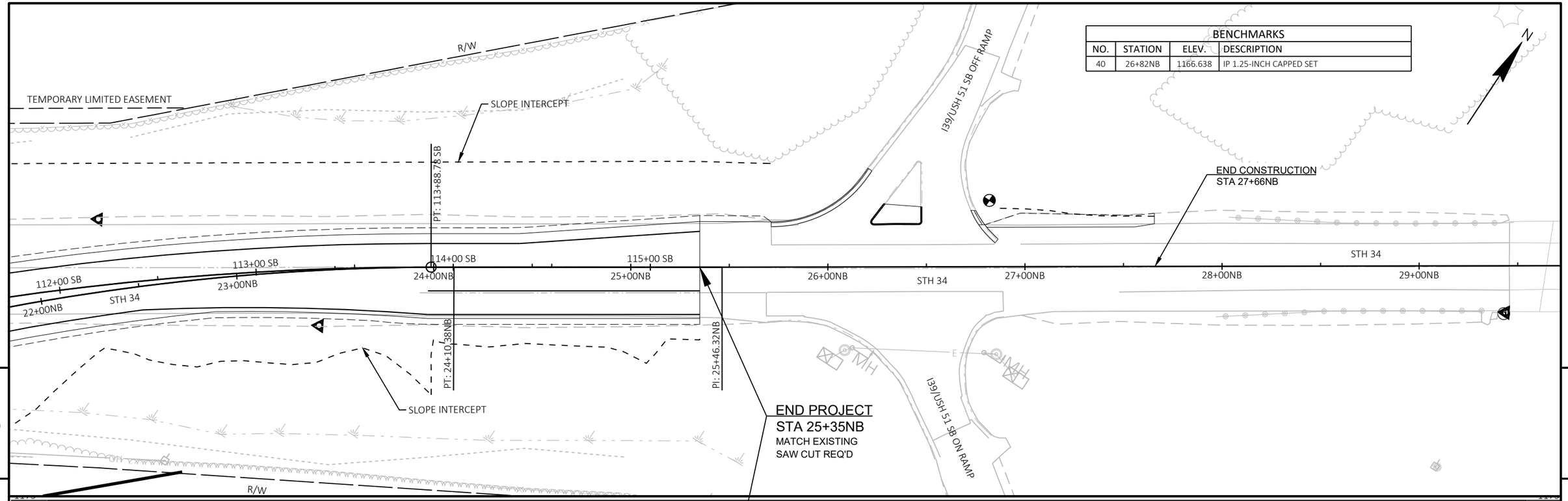
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: STH 34 - NB ('NB' LINE)	SHEET 96	E





PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: STH 34 - NB ('NB' LINE)	SHEET 97 E

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
40	26+82NB	1166.638	IP 1.25-INCH CAPPED SET

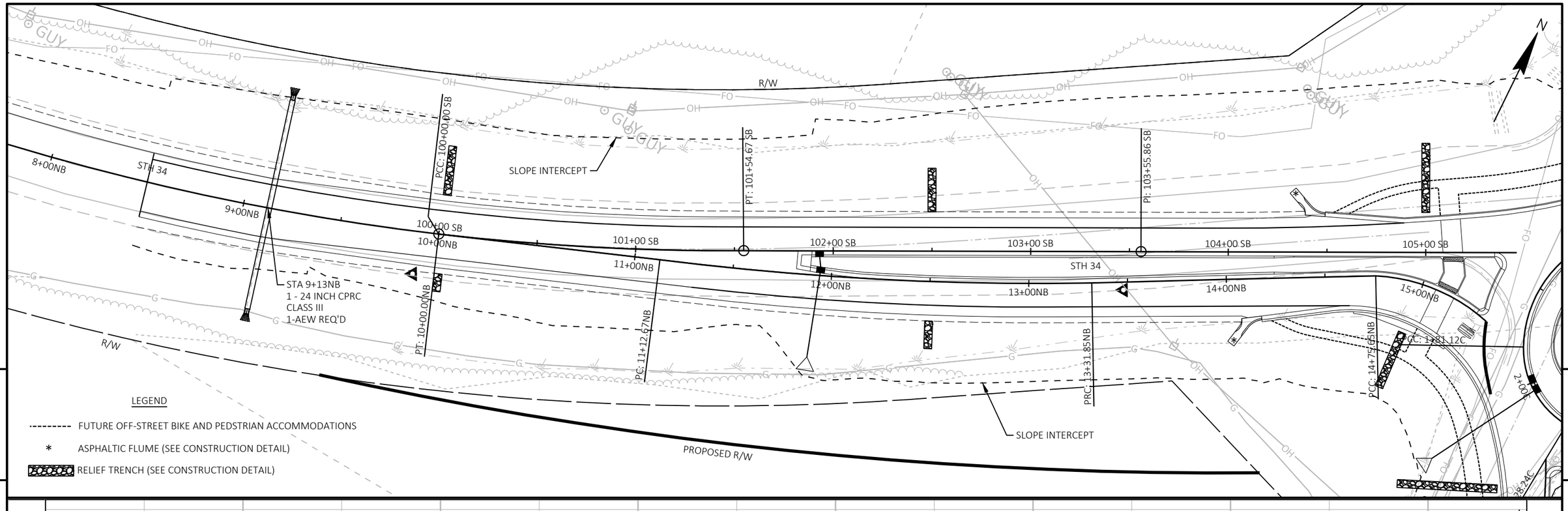


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: STH 34 - NB ('NB' LINE)	SHEET 98	E

FILE NAME : \\WISRTOPFLPPI01\N3PUBLIC\PDS\C3D\66100400\SHEETSPLAN\050501_PP.DWG
LAYOUT NAME - 04

PLOT DATE : 1/31/2022 4:47 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

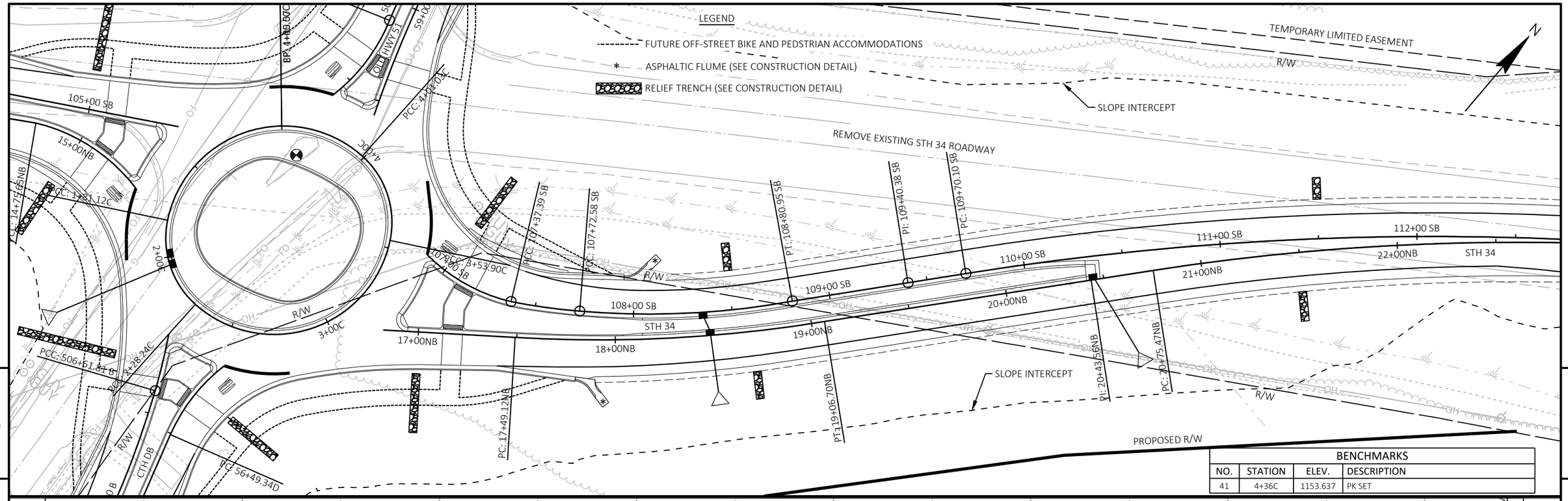


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: STH 34 - SB ('SB' LINE)	SHEET 99 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050502_PP.DWG
LAYOUT NAME - 04

PLOT DATE : 1/31/2022 4:52 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



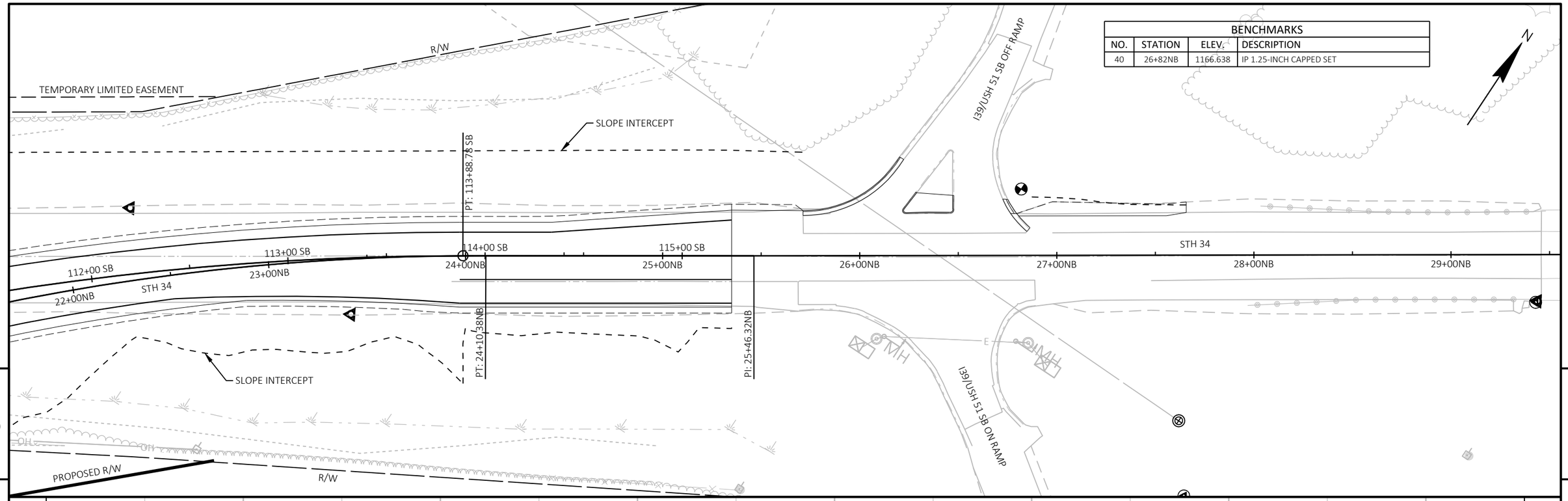
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: STH 34 - SB ('SB' LINE)	SHEET 100	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050502_PP.DWG
LAYOUT NAME - 05

PLOT DATE : 1/31/2022 4:53 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
40	26+82NB	1166.638	IP 1.25-INCH CAPPED SET

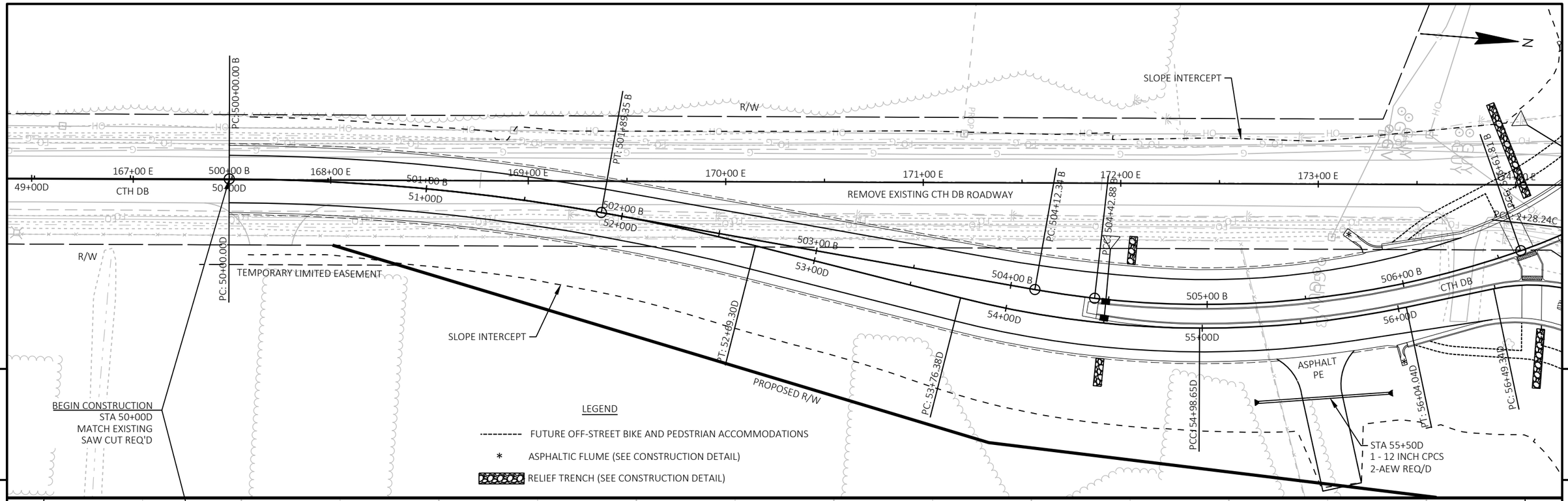


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: STH 34 - SB ('SB' LINE)	SHEET 101	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050502_PP.DWG
LAYOUT NAME - 06

PLOT DATE : 1/31/2022 4:53 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: CTH DB-OLD 51 - NB ('D' LINE)	SHEET 102	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050503_PP.DWG
LAYOUT NAME - 07

PLOT DATE : 1/31/2022 4:57 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
41	4+36C	1153.637	PK SET
42	60+26D	1155.399	IP 1.25-INCH CAPPED SET

N

SLOPE INTERCEPT
PCC: 14+75.00NB
15+00NB
105+00 SB
STH 34
PCC: 14+61.81 B
DB
PCC: 2+28.24C
2+00C
175+00 E
EP: 4+86.02C
176+00 E
PRC: 508+86.69 B
PCC: 509+39.24 B
SLOPE INTERCEPT
R/W
PCC: 510+28.47 B
TEMPORARY LIMITED EASEMENT
ASPHALT CE
177+00 E
510+00 B
509+00 B
OLD HWY 51
178+00 E
511+00 B
179+00 E
512+00 B
180+00 E
PT: 512+89.17 B
R/W
181+00 E
OLD HWY 51
59+00D
60+00D
61+00D
62+00D
63+00D
4+00C
PCC: 4+01.03C
3+00C
PC: 56+49.34D
STA 59+47D
1 - 24 INCH CPRC
CLASS III
2-AEW REQ'D
PT: 59+77.18D
PI: 60+40.32D
PC: 61+48.15D
ASPHALT PE
PROPOSED R/W
PT: 62+89.82D
EP: 63+14.43D
R/W
PROP
SLOPE INTERCEPT
17+00NB
STH 34
107+00 SB
PCC: 3+58.38C
PCC: 107+37.39 SB
R/W

LEGEND
- FUTURE OFF-STREET BIKE AND PEDSTRIAN ACCOMMODATIONS
- * ASPHALTIC FLUME (SEE CONSTRUCTION DETAIL)
- RELIEF TRENCH (SEE CONSTRUCTION DETAIL)

END CONSTRUCTION
STA 62+90D
MATCH EXISTING
SAW CUT REQ'D

VCL = 100.00
K = 41.32
STA 56+94.13 D
EL 1153.78
STA 58+42.22 D
EL 1154.60
LP STA 59+25.21
LP EL 1154.17
VPC STA 62+35.00 D
VPC EL 1159.10
VPI STA 62+60.00 D
VPI EL 1159.55
VPT STA 62+85.00 D
VPT EL 1159.81
STA 62+90.00 D
EL 1159.86
SEE PLAN AND PROFILE: ROUNDABOUT ('C' LINE)
FOR ROUNDABOUT PROFILE INFORMATION
EXISTING GROUND
0.56%
-0.61%
1.81%
-1.04%
1.17%
VPC STA 59+00.00 D
VPC EL 1154.25
VPI STA 59+50.00 D
VPI EL 1153.94
VPT STA 60+00.00 D
VPT EL 1154.85
PROPOSED PROFILE
VCL = 50.00
K = 64.84
STA 59+47
CPRC CLASS III 24-INCH
INVERT 1: 1148.44
INVERT 2: 1148.05
LENGTH: 72 FT
SLOPE: 0.54%
SKEW 4° LHF

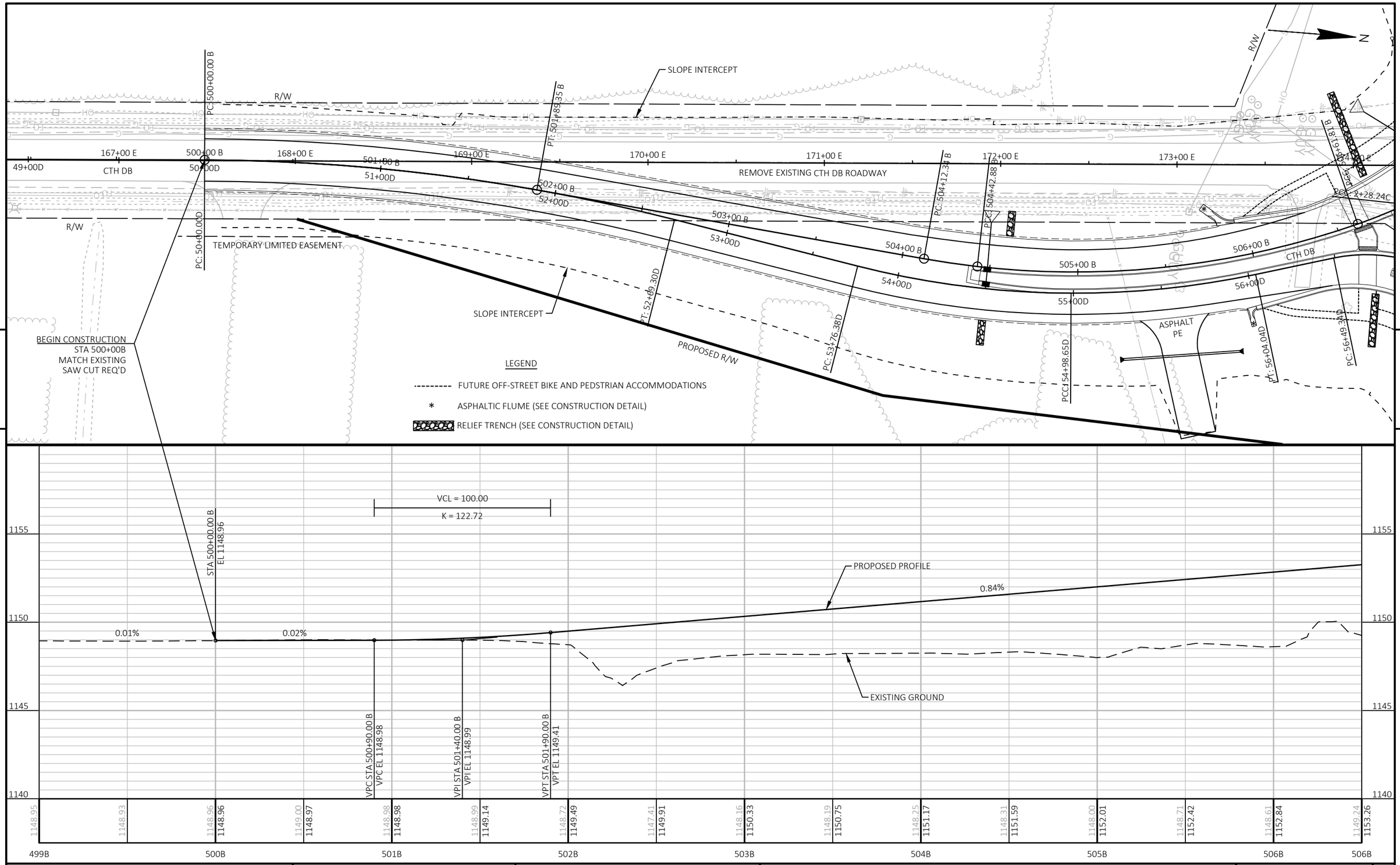
1160
1155
1150
1145

1149.54	1149.75	1147.97	1152.01	1153.88	1153.57	1154.47	1155.11	1155.90	1156.77	1157.53	1158.28	1159.25	1159.98
1153.39	1153.81	1154.09	1154.36	1154.55	1154.25	1154.24	1154.85	1155.75	1156.66	1157.56	1158.47	1159.35	

56D 57D 58D 59D 60D 61D 62D 63D 64D

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: CTH DB-OLD 51 - NB ('D' LINE)	SHEET 103	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050503_PP.DWG
LAYOUT NAME - 08
PLOT DATE : 1/31/2022 4:57 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

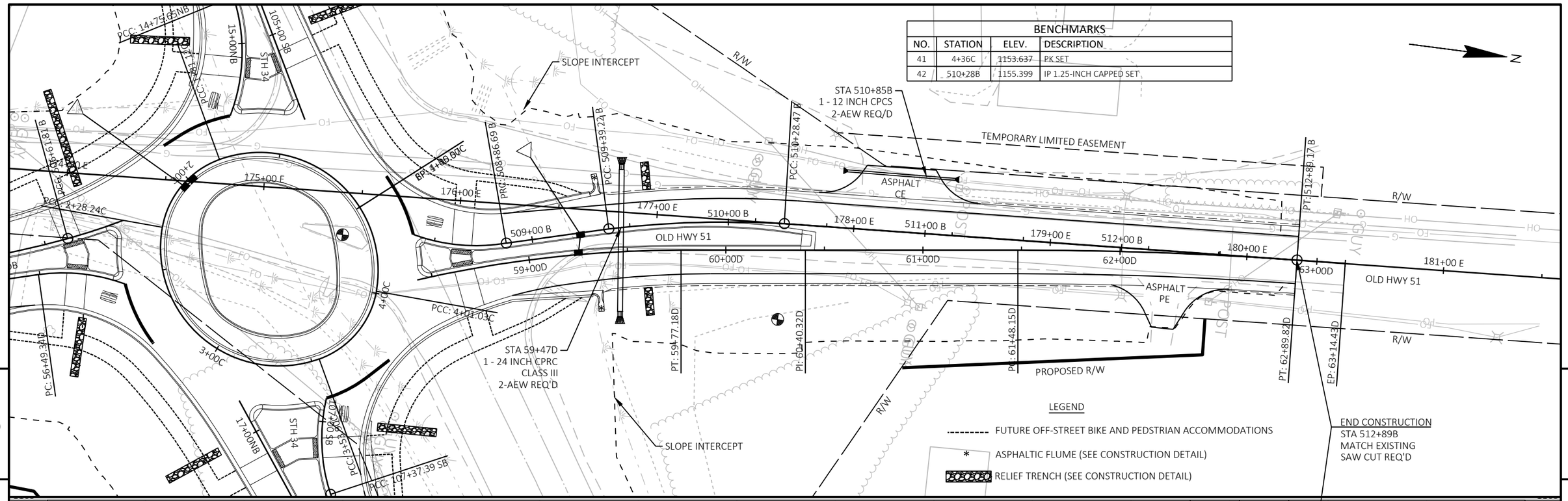


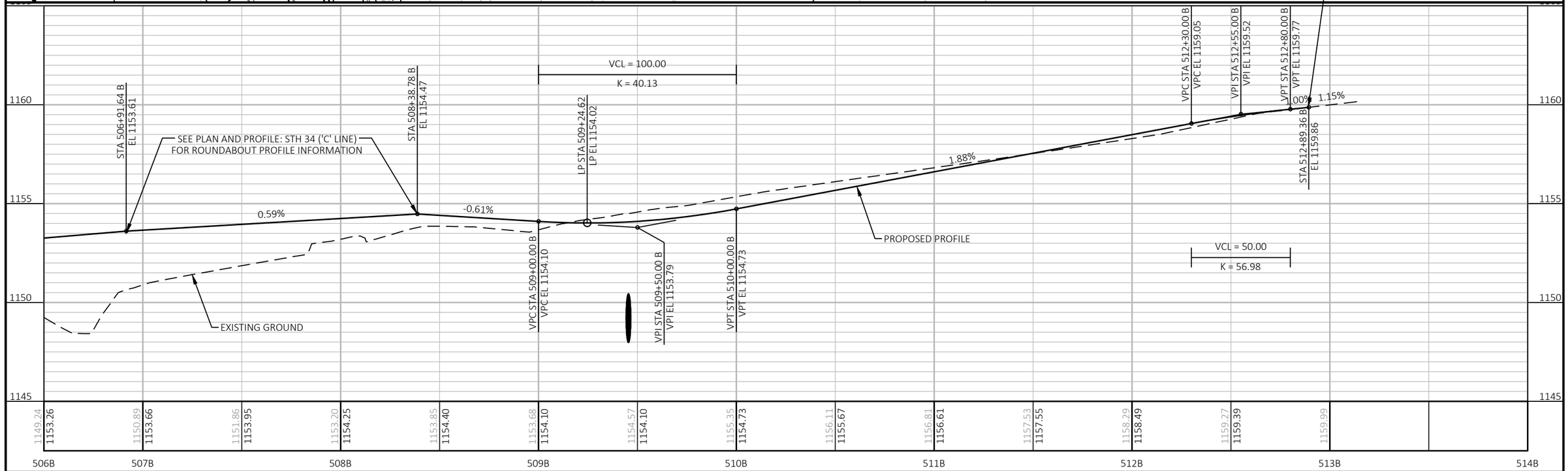
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: CTH DB-OLD 51 - SB ('B' LINE)	SHEET 104	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050504_PP.DWG
LAYOUT NAME - 09

PLOT DATE : 1/31/2022 5:02 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

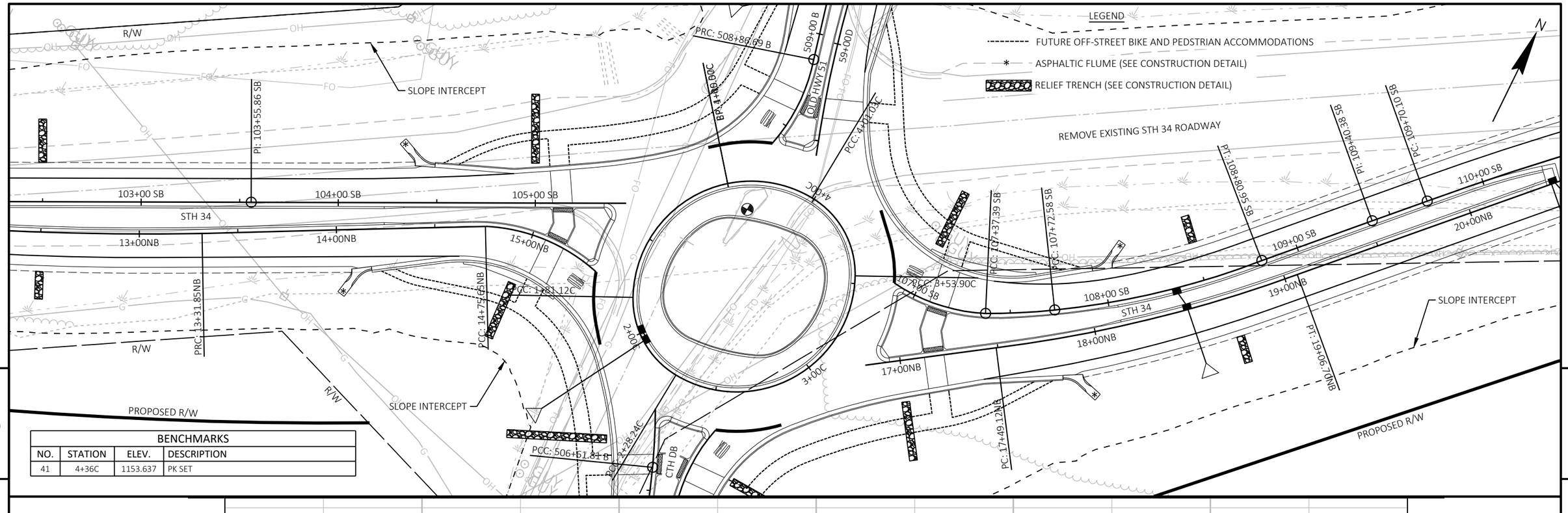
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
41	4+36C	1153.637	PK SET
42	510+28B	1155.399	IP 1.25-INCH CAPPED SET



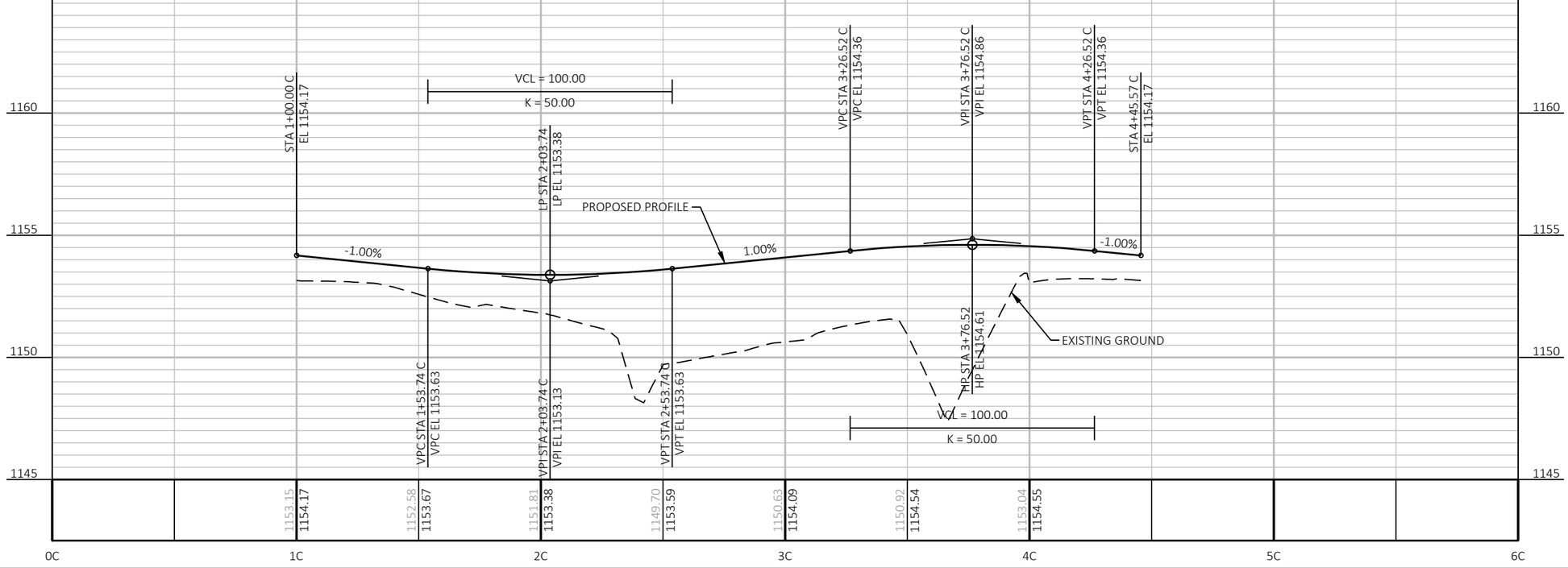


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: CTH DB-OLD 51 - SB ('B' LINE)	SHEET 105	E

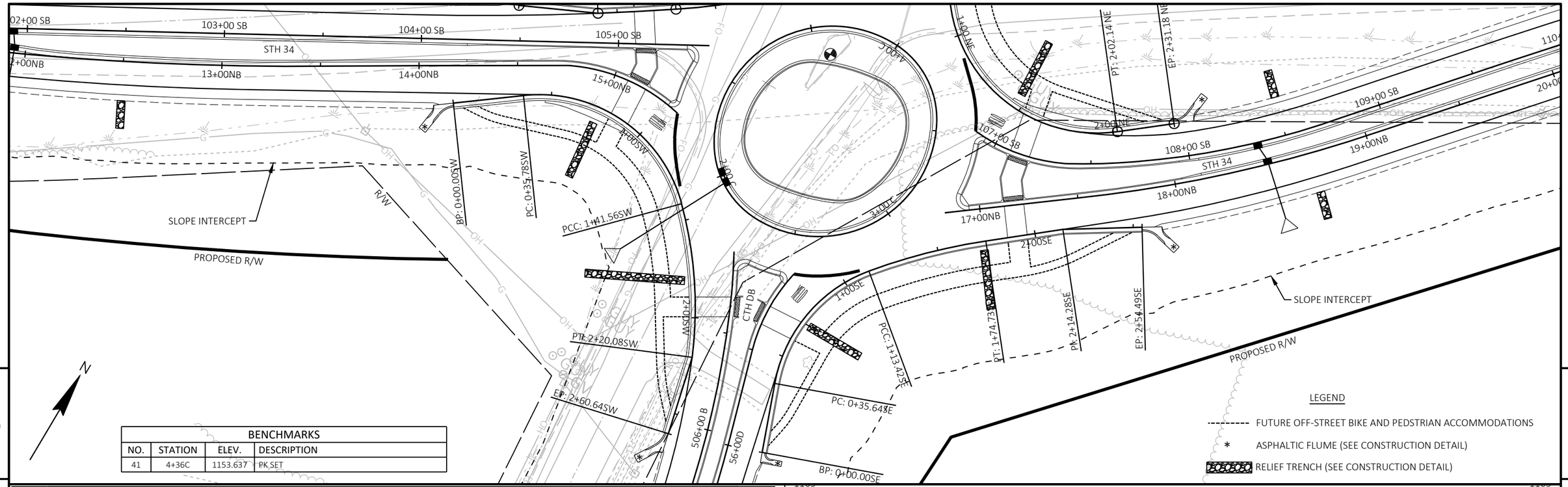
FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050504_PP.DWG
LAYOUT NAME - 10
PLOT DATE : 1/31/2022 5:02 PM
PLOT BY : CHRISTIANSON, ERIN M
PLOT NAME :
PLOT SCALE : 1 IN:50 FT



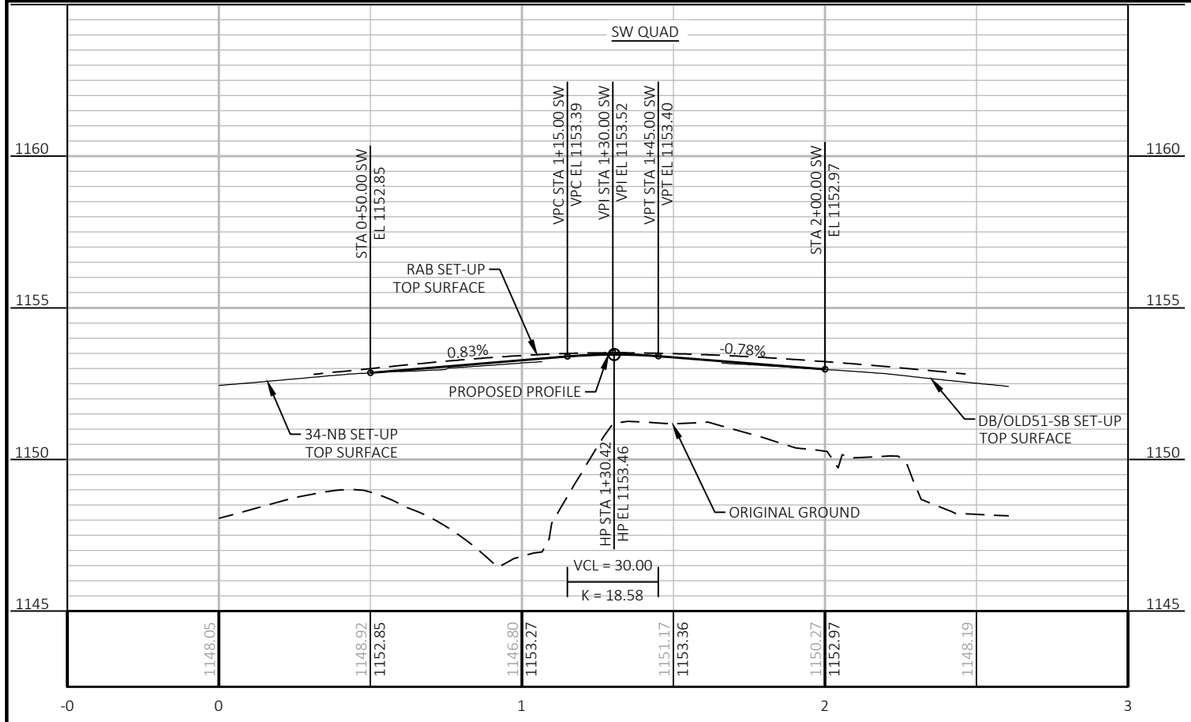
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
41	4+36C	1153.637	PK SET

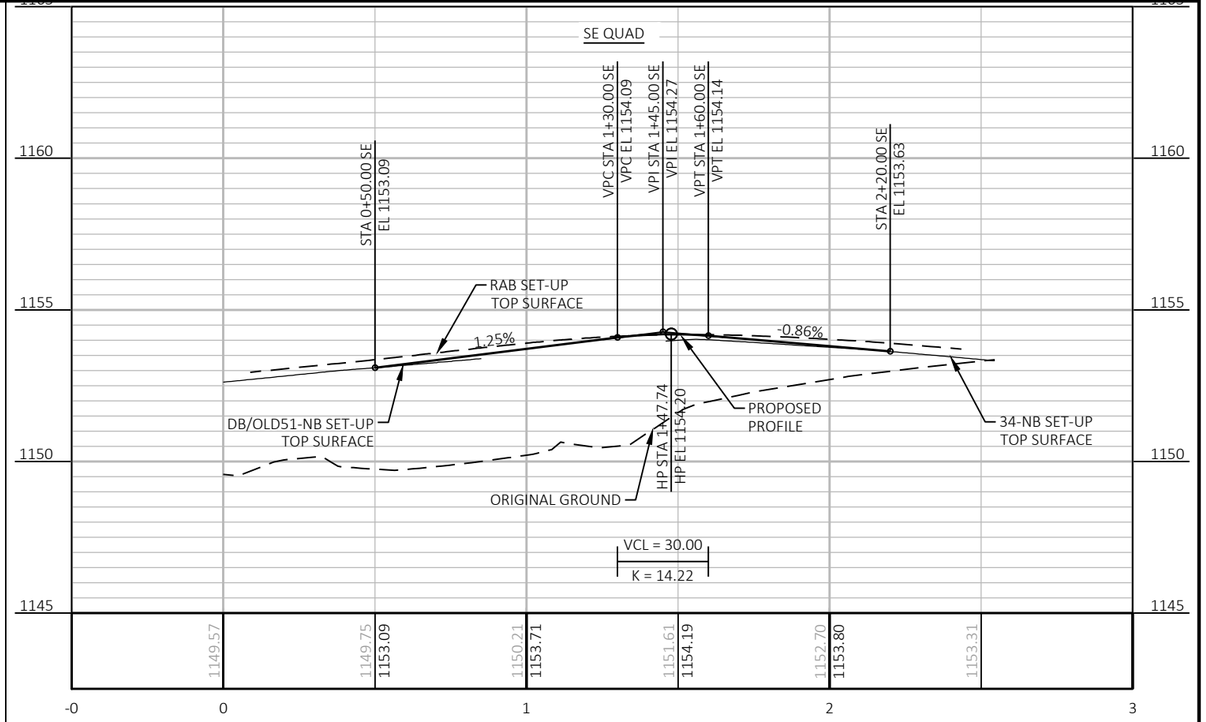


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: ROUNDABOUT ('C' LINE)	SHEET 106	E



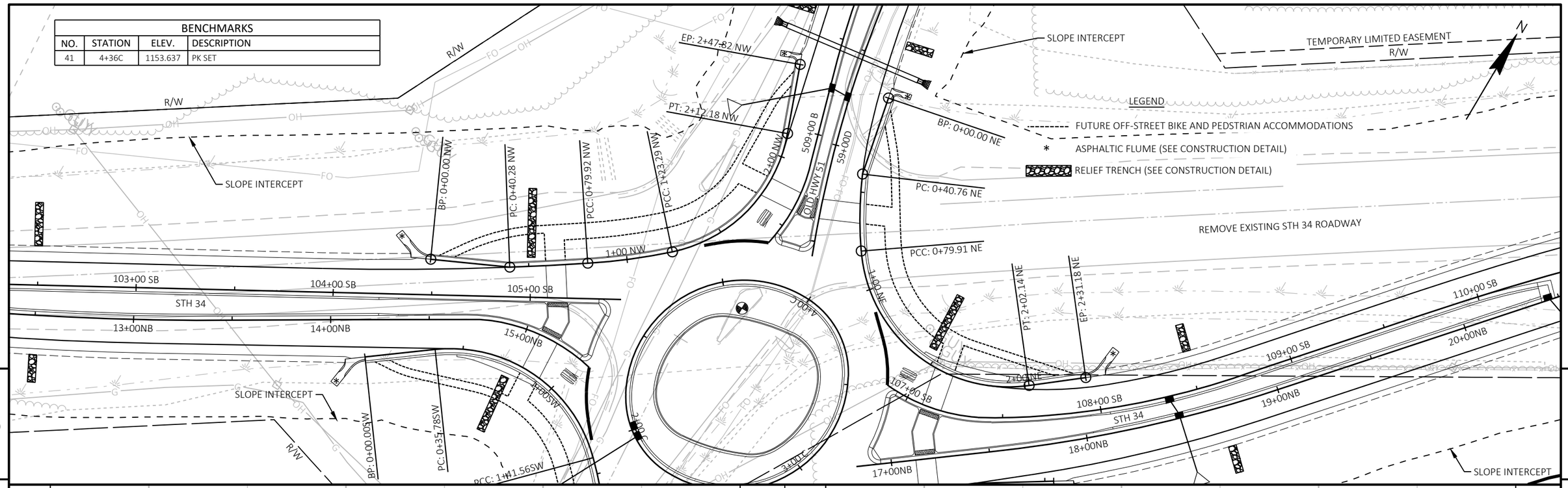
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
41	4+36C	1153.637	PK SET

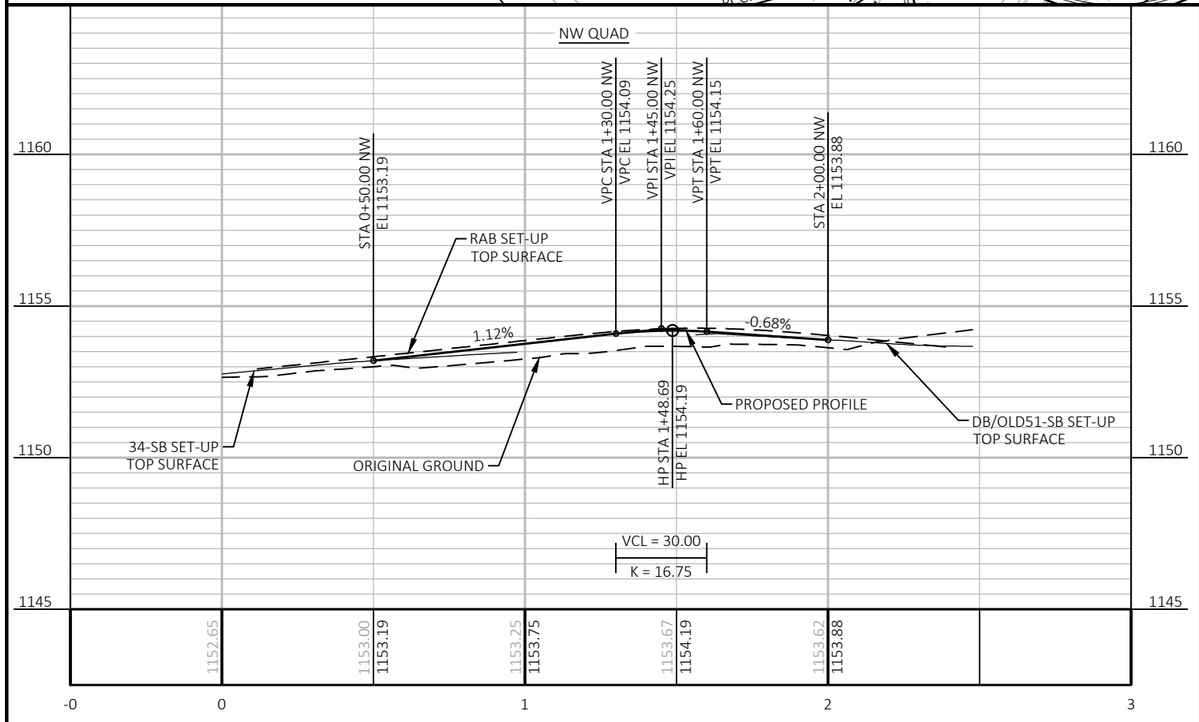


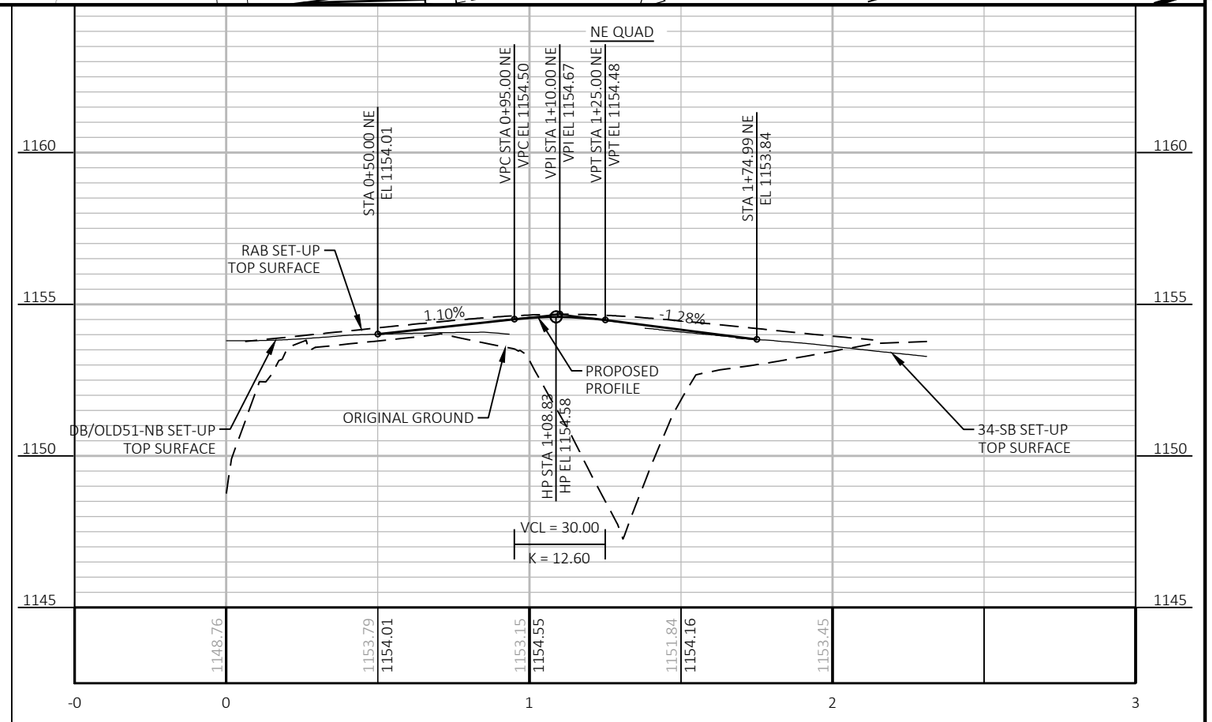


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CURB RETURNS	SHEET 107	E

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
41	4+36C	1153.637	PK SET

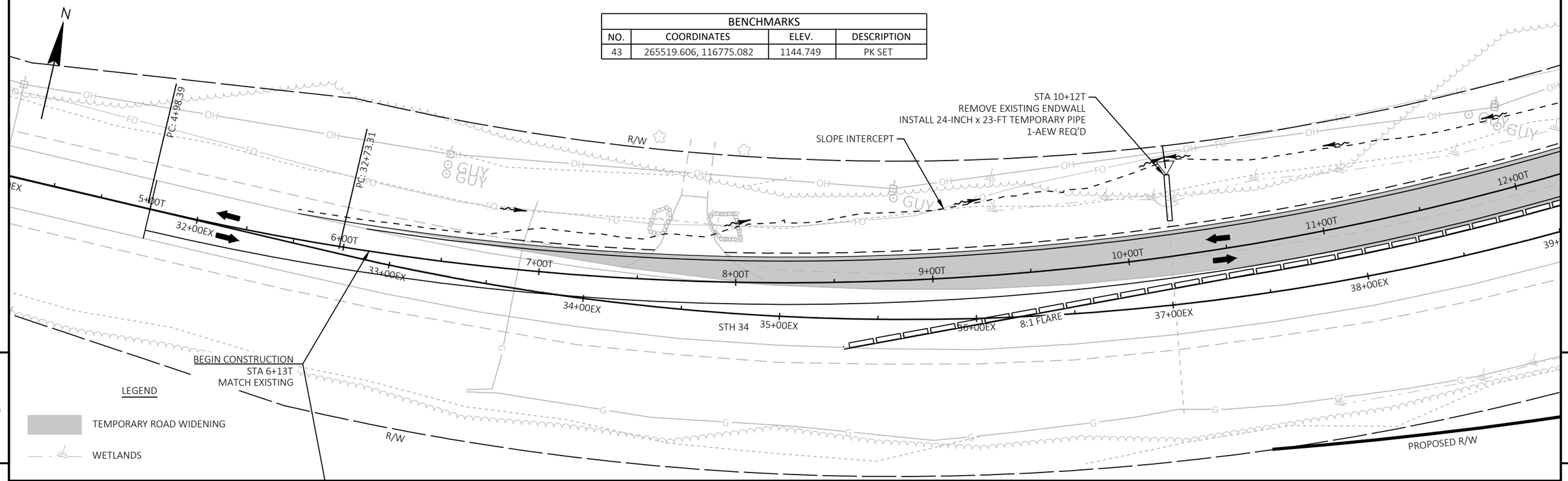


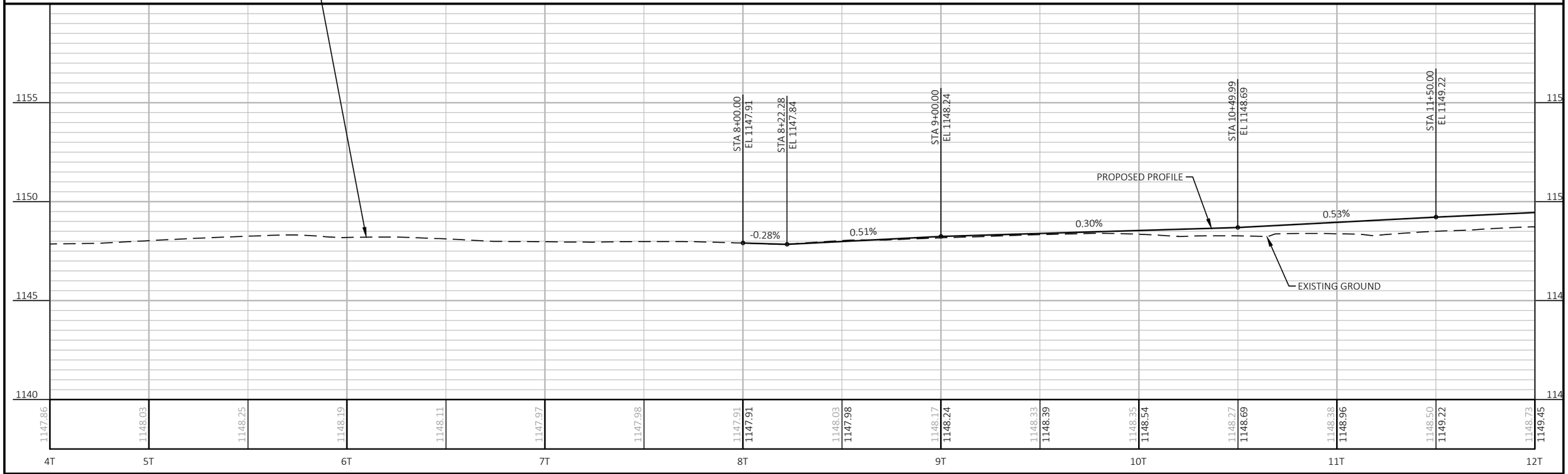




PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CURB RETURNS	SHEET 108 E

BENCHMARKS			
NO.	COORDINATES	ELEV.	DESCRIPTION
43	265519.606, 116775.082	1144.749	PK SET





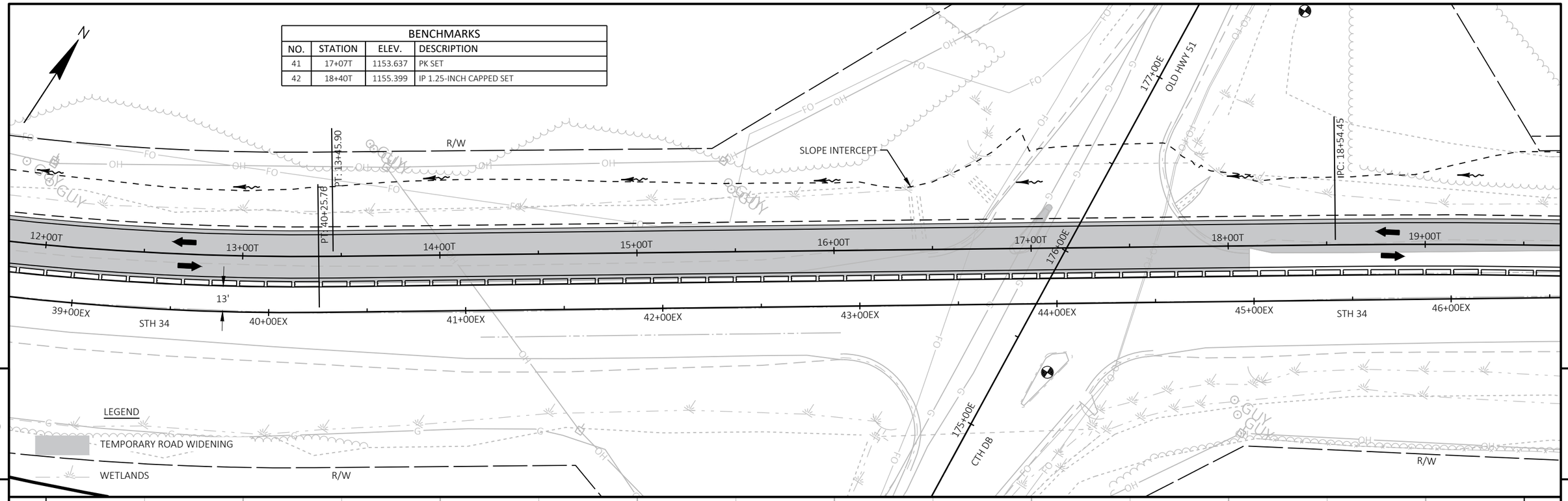
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: TEMPORARY ROAD ('T' LINE)	SHEET 109 E

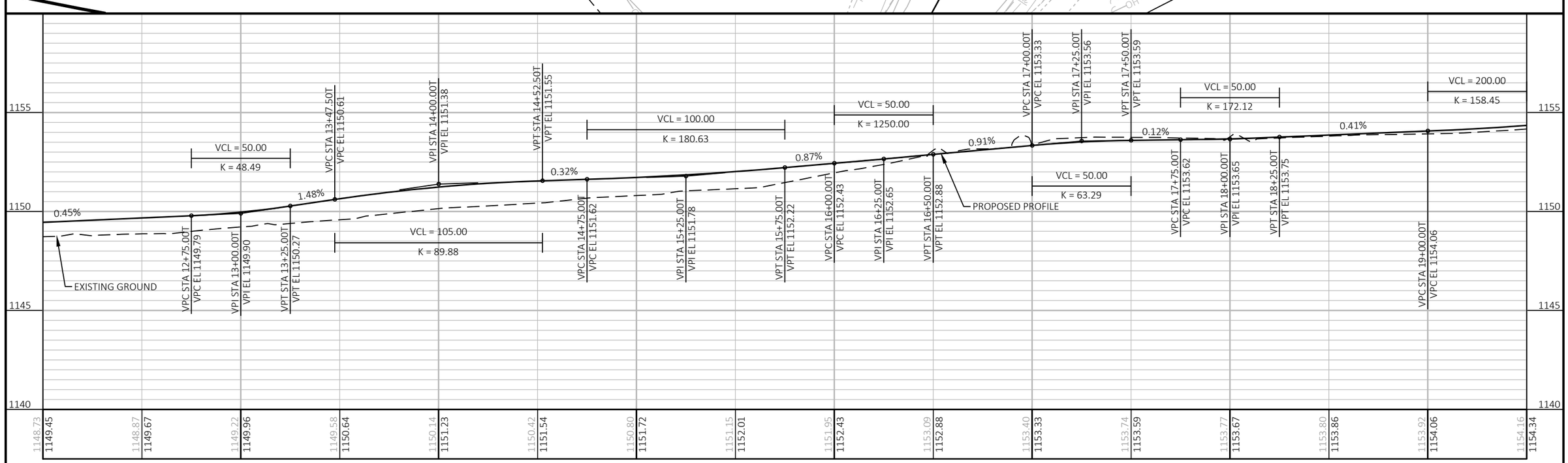
FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050507_PP.DWG
LAYOUT NAME - PP-01

PLOT DATE : 1/31/2022 5:14 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
41	17+07T	1153.637	PK SET
42	18+40T	1155.399	IP 1.25-INCH CAPPED SET



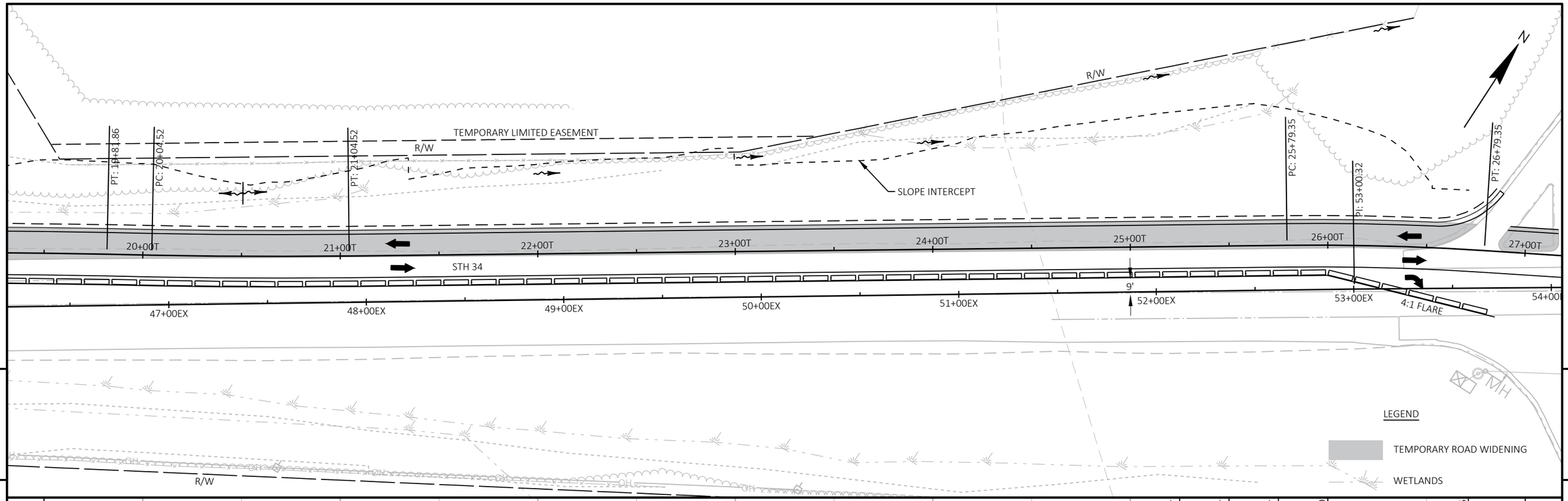


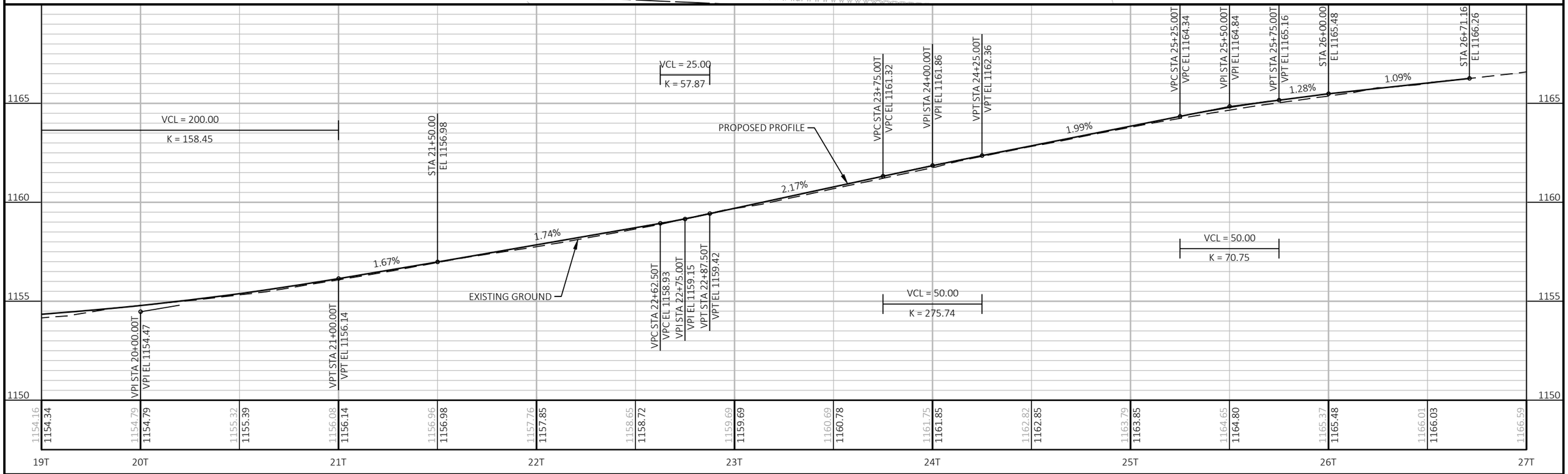
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: TEMPORARY ROAD ('T' LINE)	SHEET 110	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050507_PP.DWG
LAYOUT NAME - PP-02

PLOT DATE : 1/31/2022 5:14 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44





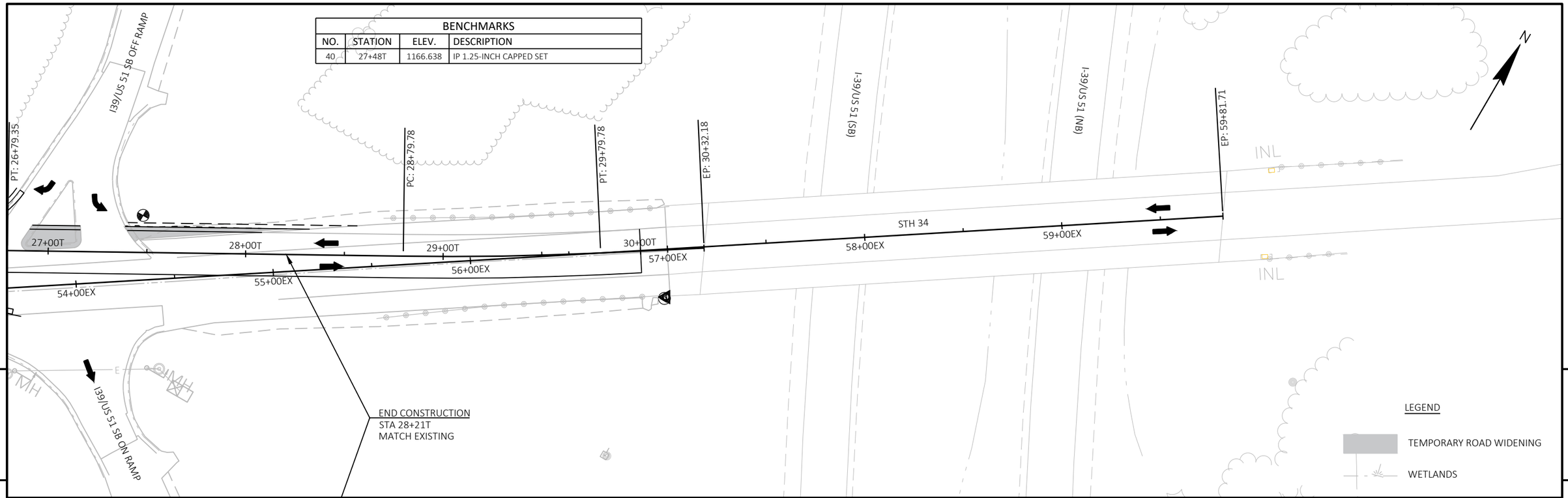
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: TEMPORARY ROAD ('T' LINE)	SHEET 111	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050507_PP.DWG
LAYOUT NAME - PP-03

PLOT DATE : 1/31/2022 5:14 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
40	27+48T	1166.638	IP 1.25-INCH CAPPED SET



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	PLAN AND PROFILE: TEMPORARY ROAD ('T' LINE)	SHEET 112 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\050507_PP.DWG
LAYOUT NAME - PP-04

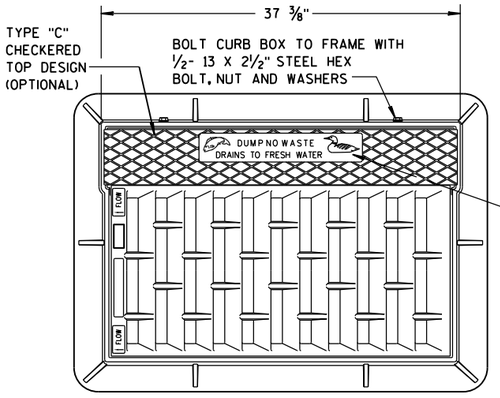
PLOT DATE : 1/31/2022 5:14 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

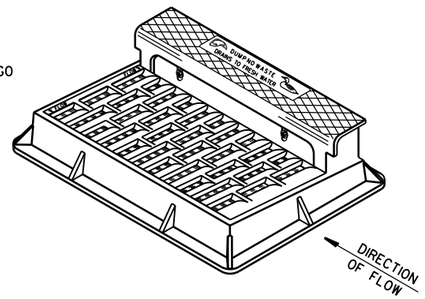
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C05-10	CONCRETE CONTROL CABINET BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
14A02-01	TREE PLANTING DETAIL
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D16-04	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

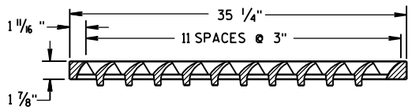
6

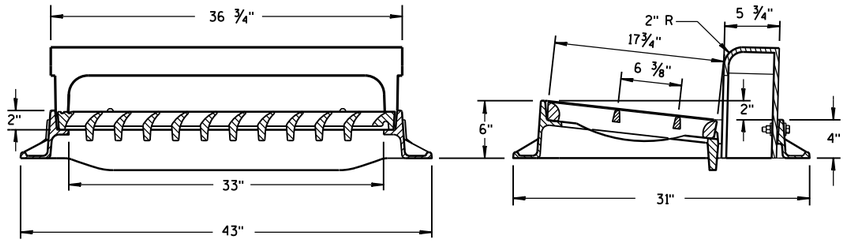


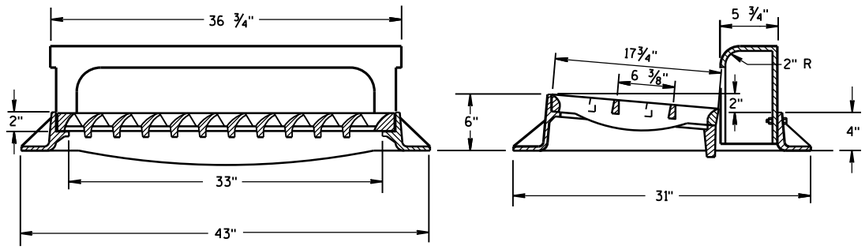
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

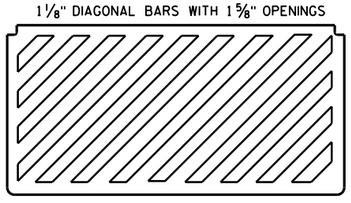






TYPE "H"

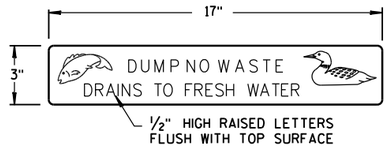
NOTE: EITHER CASTING IS ACCEPTABLE



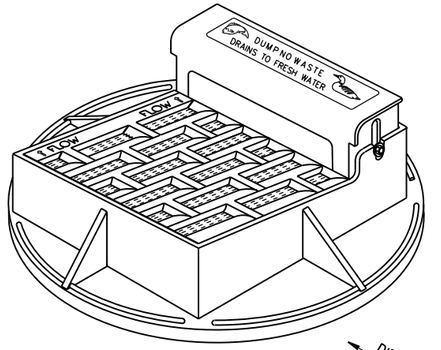
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

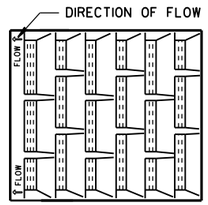
NOTE:
GRATE IS REVERSIBLE.

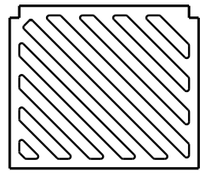
GENERAL NOTES

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

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

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

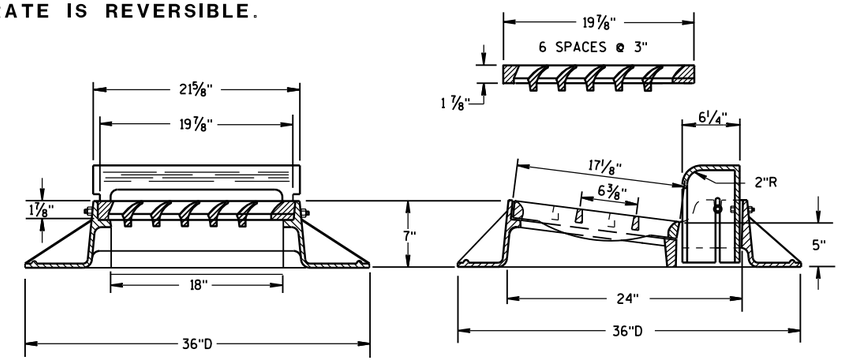




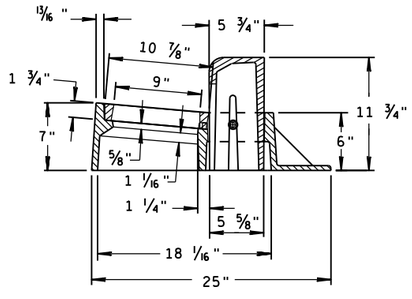
SPECIAL GRATE FOR TYPE "A" COVER

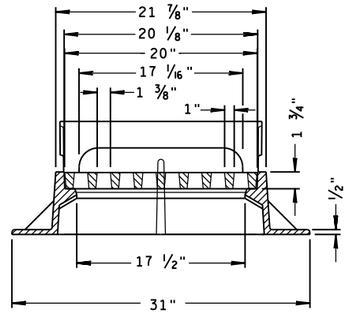
(MEASURES 19 3/4" X 17" X 1 7/8")

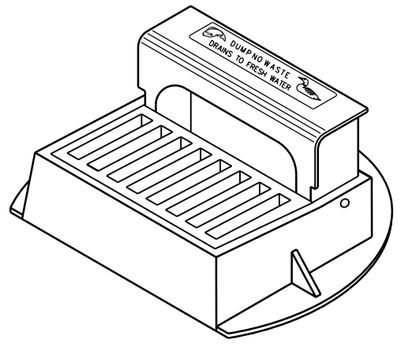
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

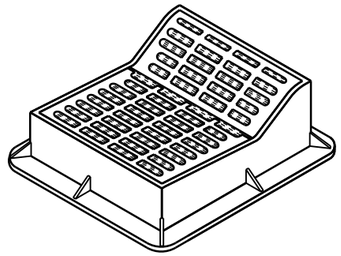
INLET COVERS
TYPE A, H, A-S, H-S & Z

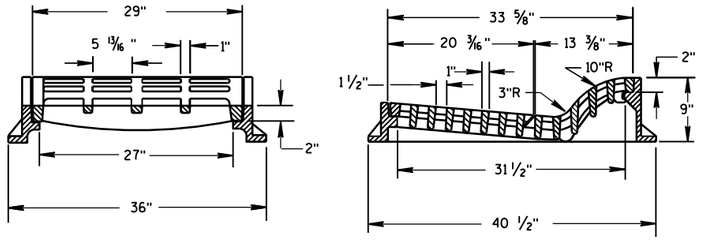
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

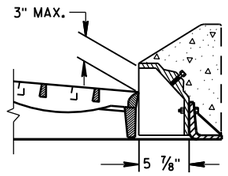
S.D.D. 8 A 5-19a





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

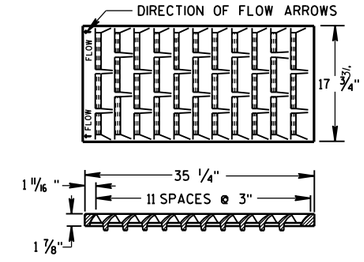
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

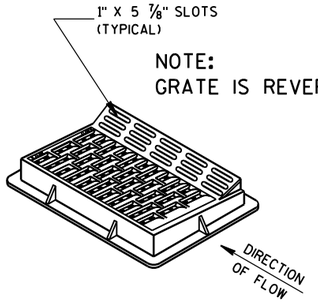
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

GENERAL NOTES

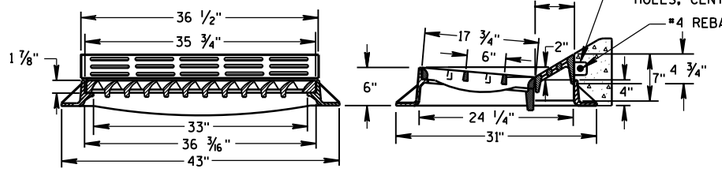
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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





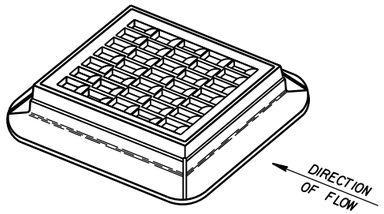
NOTE:
GRATE IS REVERSIBLE.

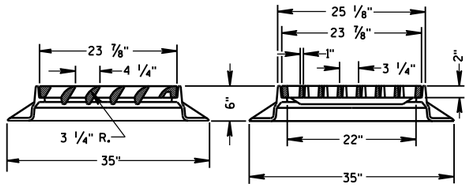


TYPE "HM"

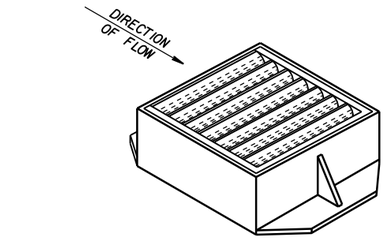
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

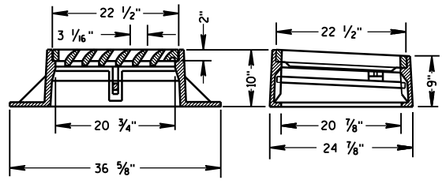
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



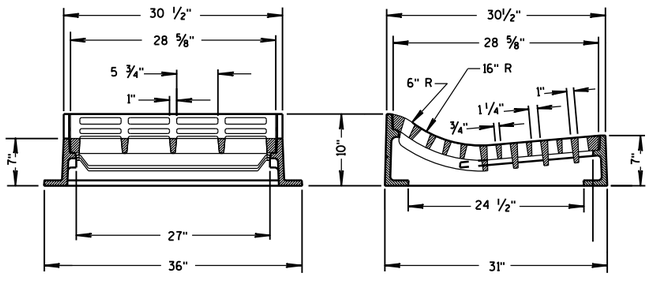


TYPE "S"



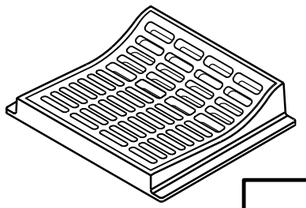


TYPE "V"



TYPE "T"

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



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

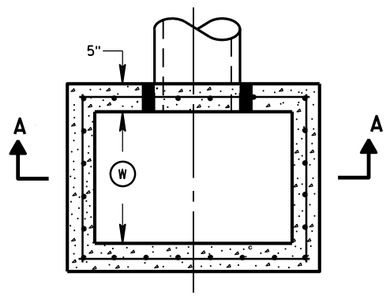
FHWA

6

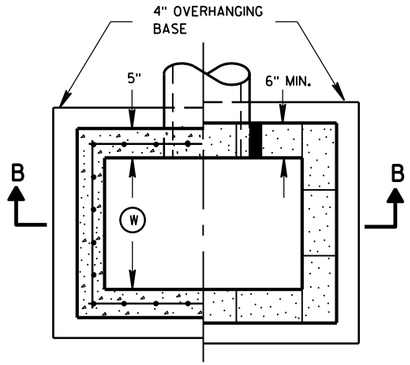
S.D.D. 8 A 5-19c

6

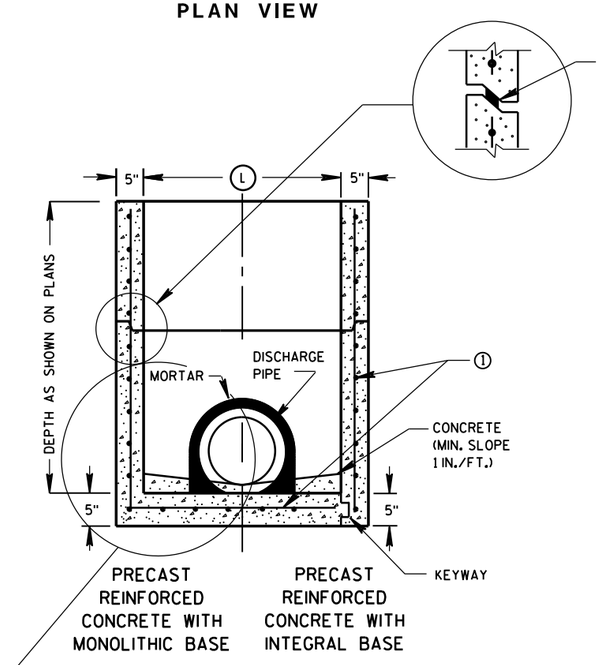
S.D.D. 8 A 5-19c



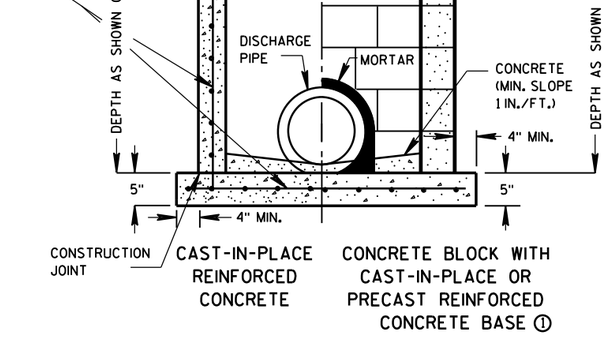
PLAN VIEW



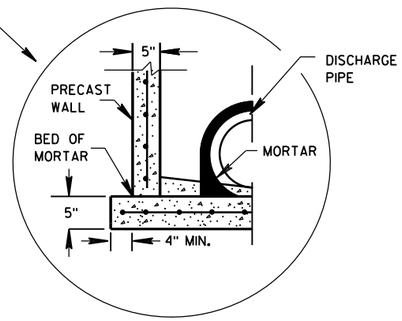
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

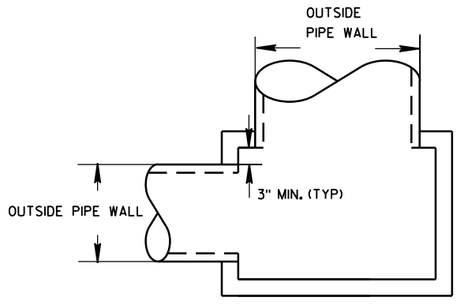
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



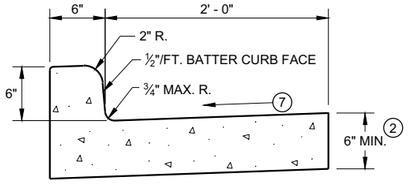
DETAIL "A"

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

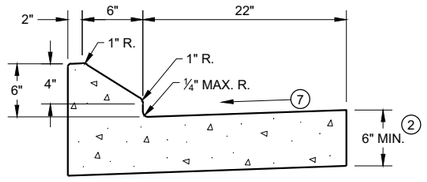
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

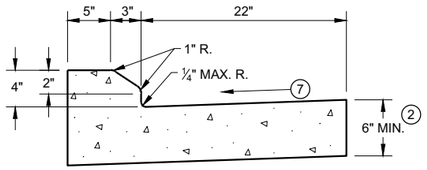
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



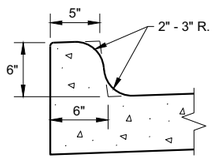
TYPES A[1] & D



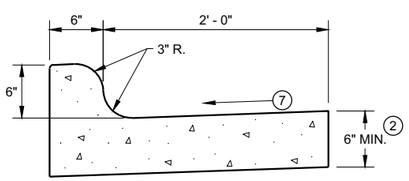
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

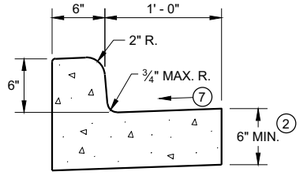


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



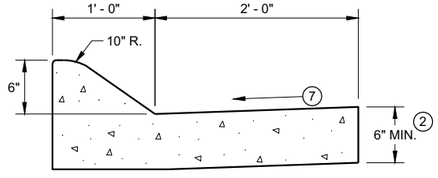
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"



TYPES A[1] & D

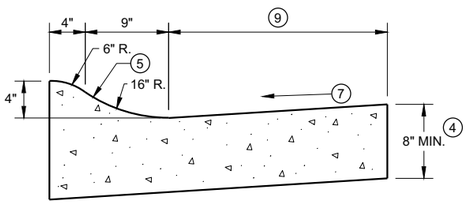
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D

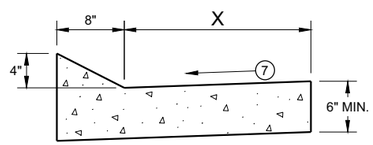
4" SLOPED CURB TYPES A[1] & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R[1] & T

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

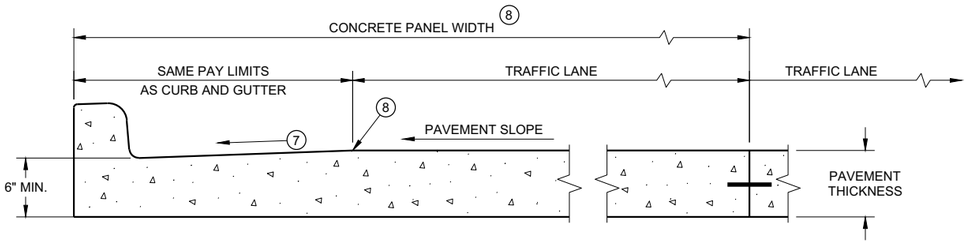


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

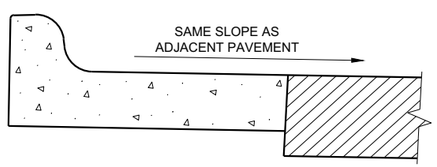
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER[6]
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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

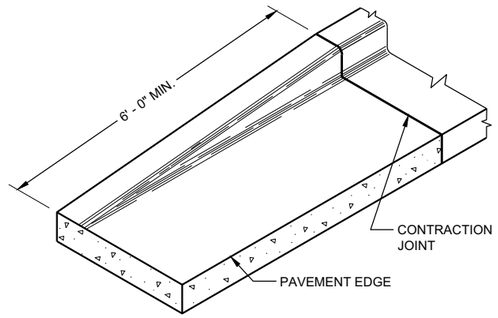
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

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

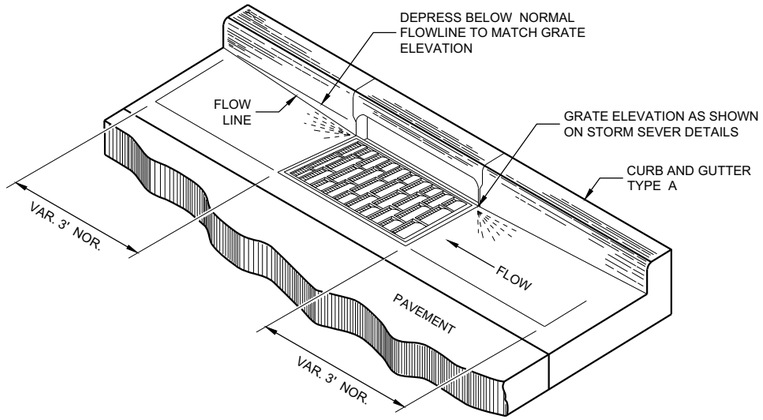
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
4. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
5. UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
6. WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
7. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
8. INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.
9. CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
   CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

SDD 08D01 - 22a
6



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

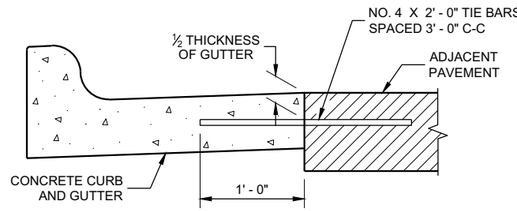
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

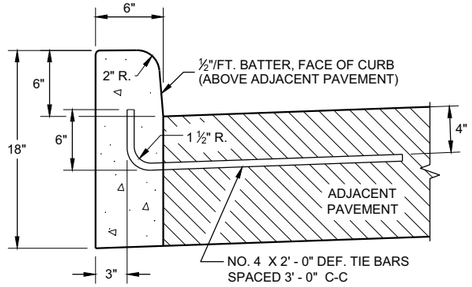
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

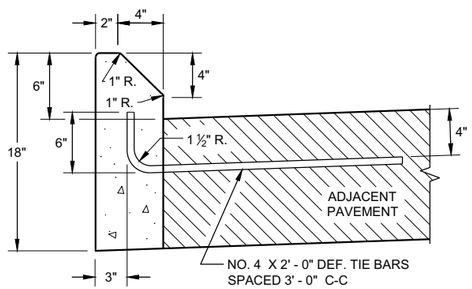
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

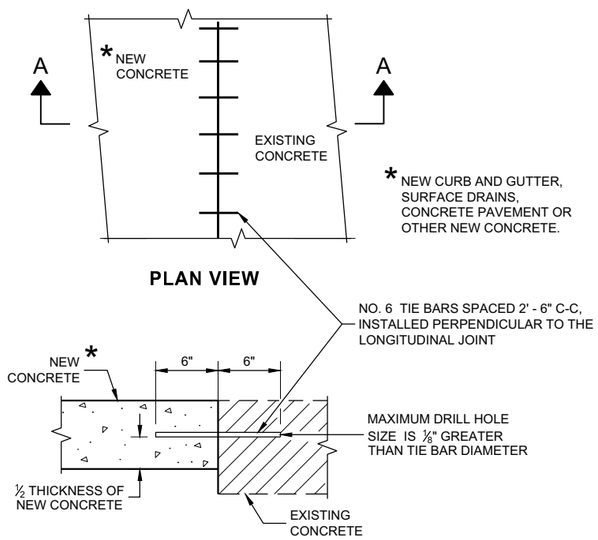


TYPES A (1) & D



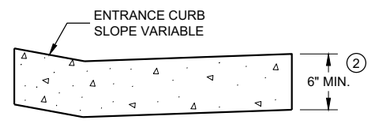
TYPES G (1) & J

CONCRETE CURB



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

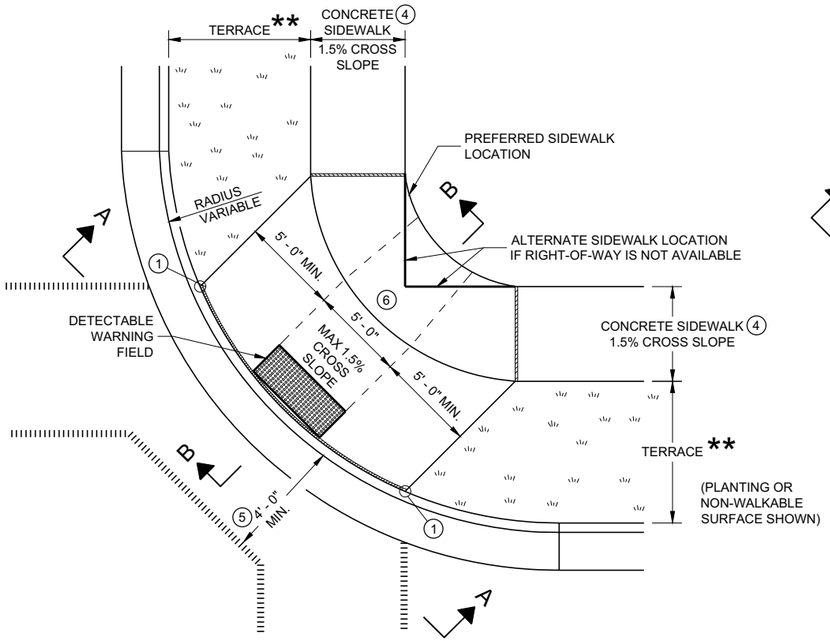
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

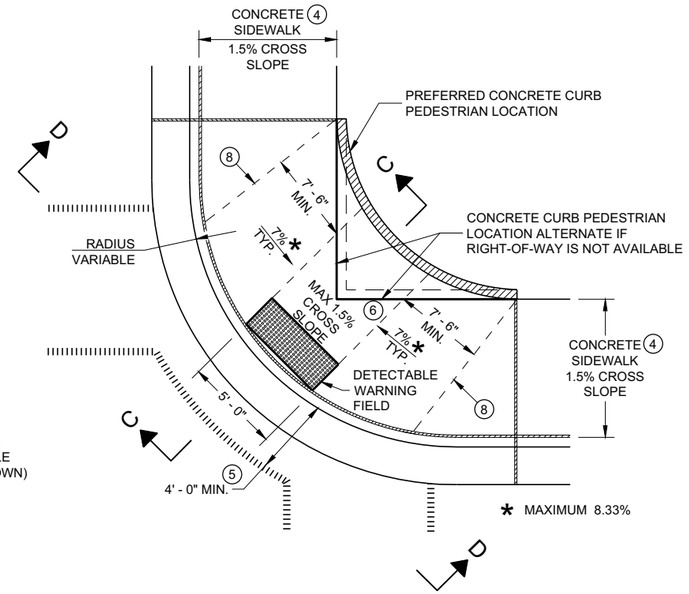
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

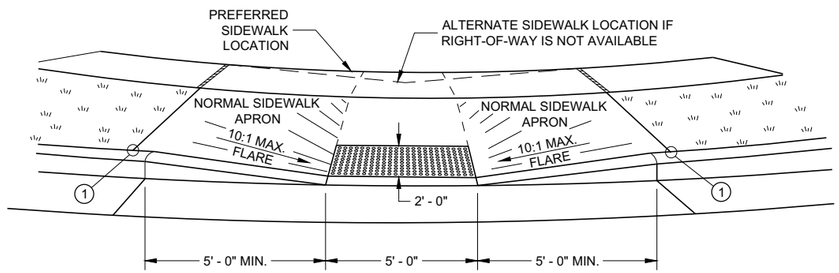
(CENTER OF CORNER RADIUS)



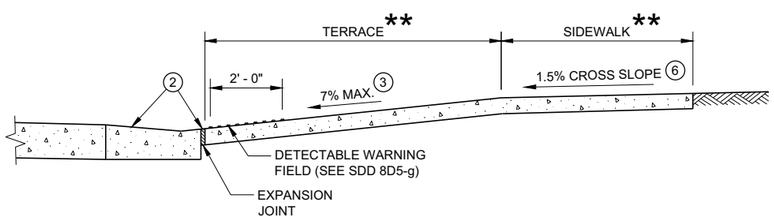
PLAN VIEW

CURB RAMP TYPE 1 - A

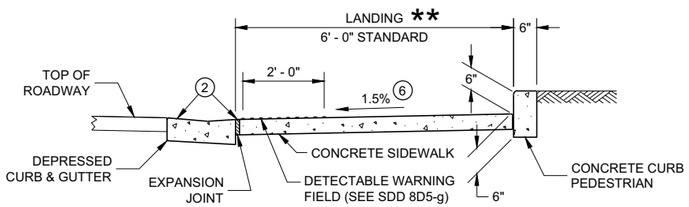
(NO TERRACE)



VIEW A - A FOR TYPE 1

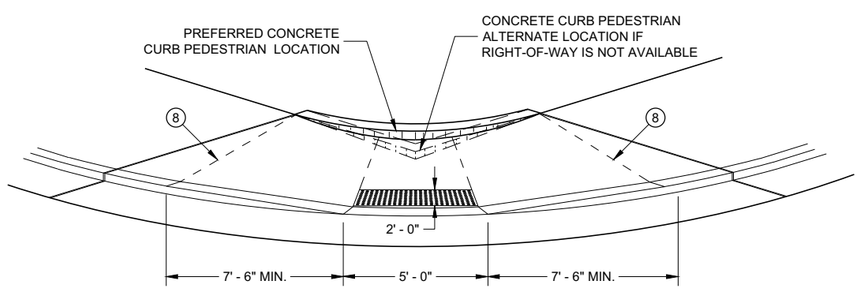


SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

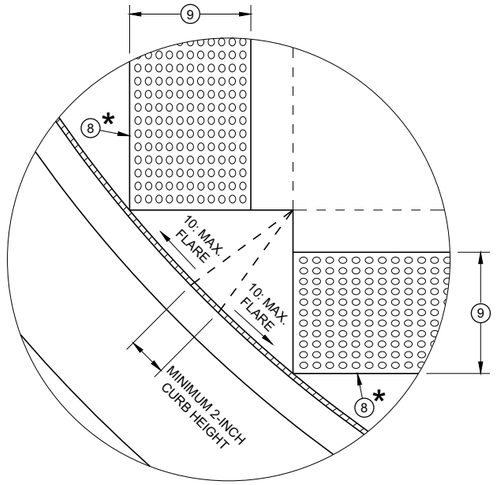
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

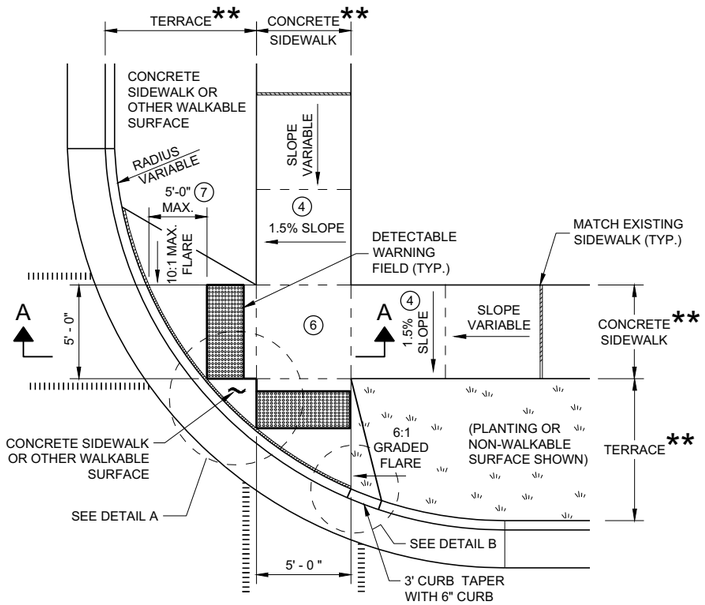
SDD 08D05 - 20a

6

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

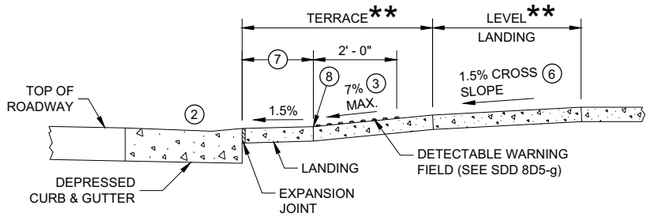
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

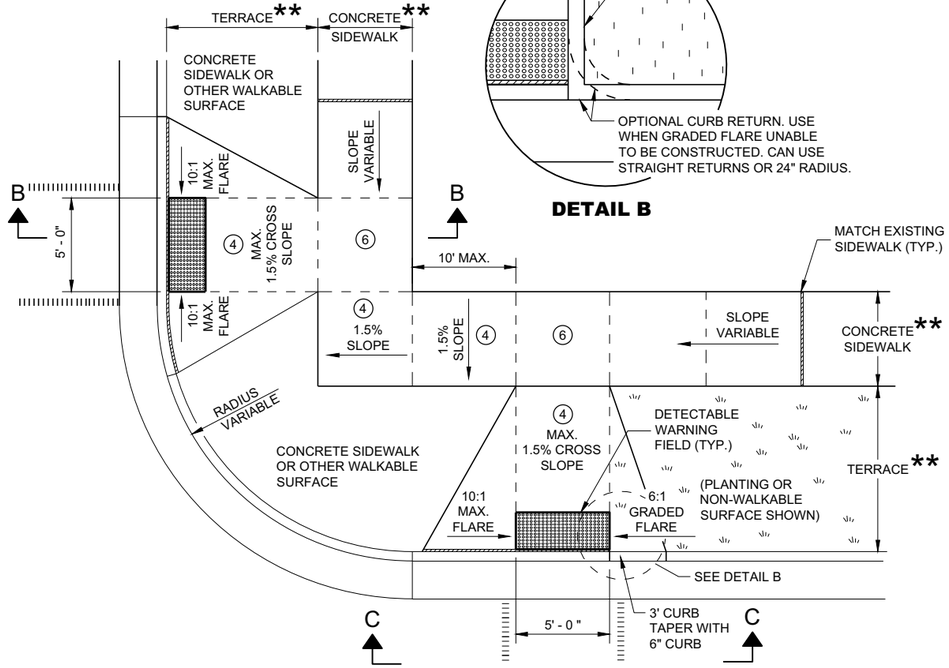
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



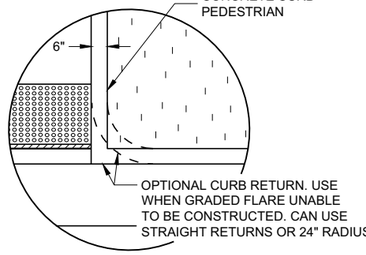
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

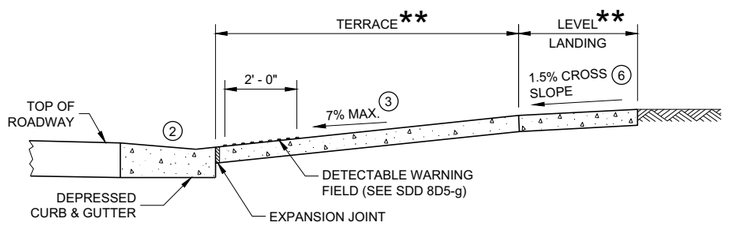
** WIDTH SHOWN ELSEWHERE IN THE PLANS



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



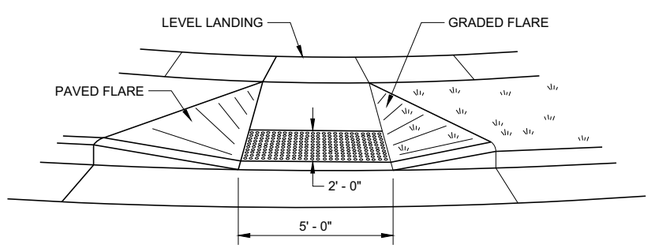
DETAIL B



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



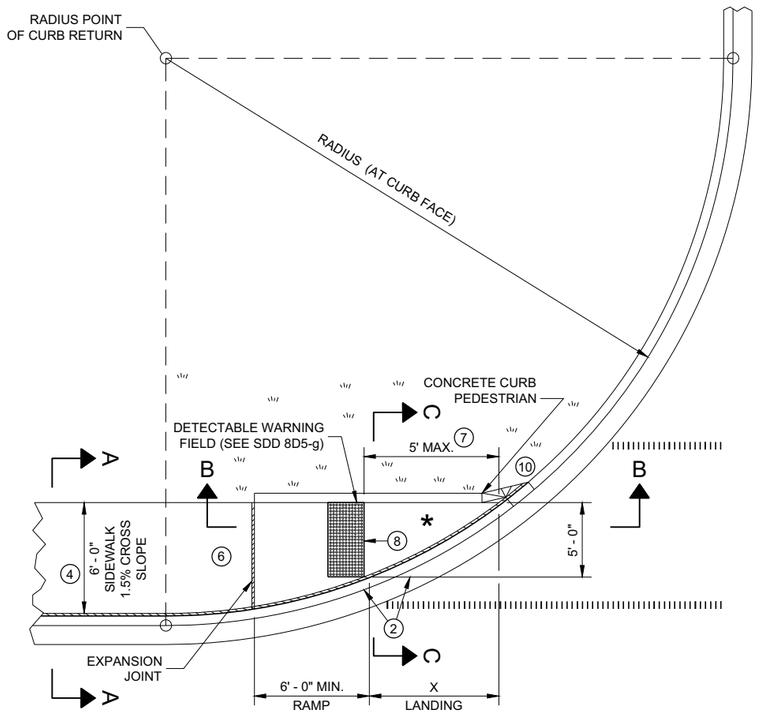
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

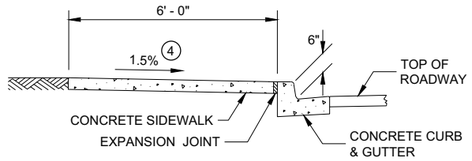


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

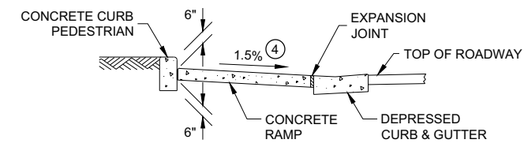
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

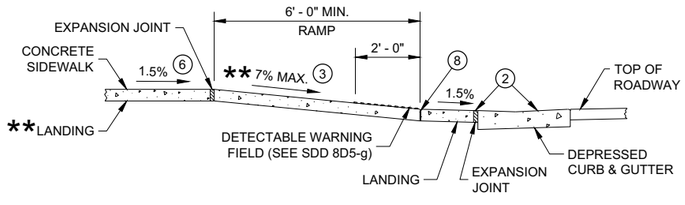
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

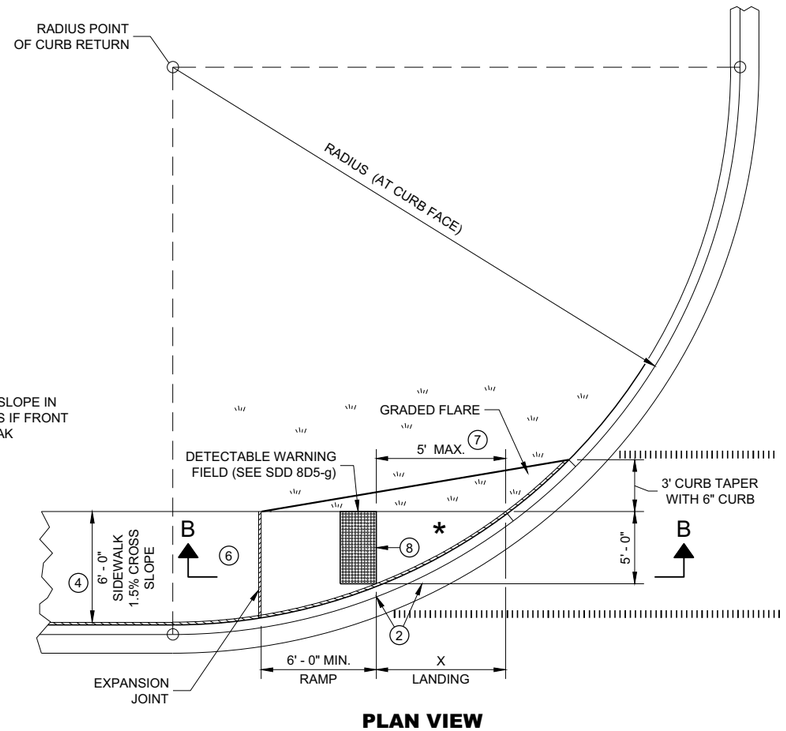


SECTION C - C FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

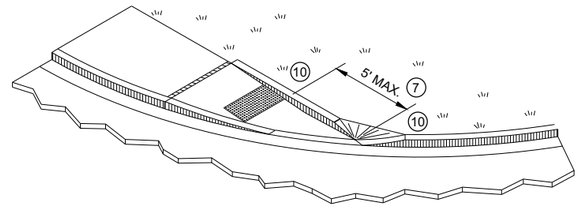
SECTION B - B FOR TYPE 4A AND TYPE 4A1



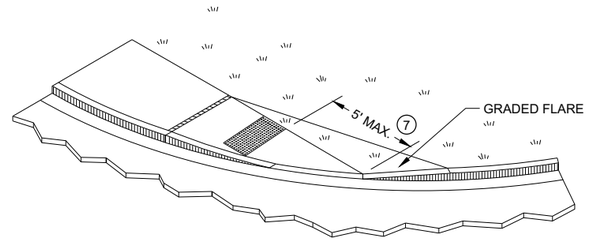
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



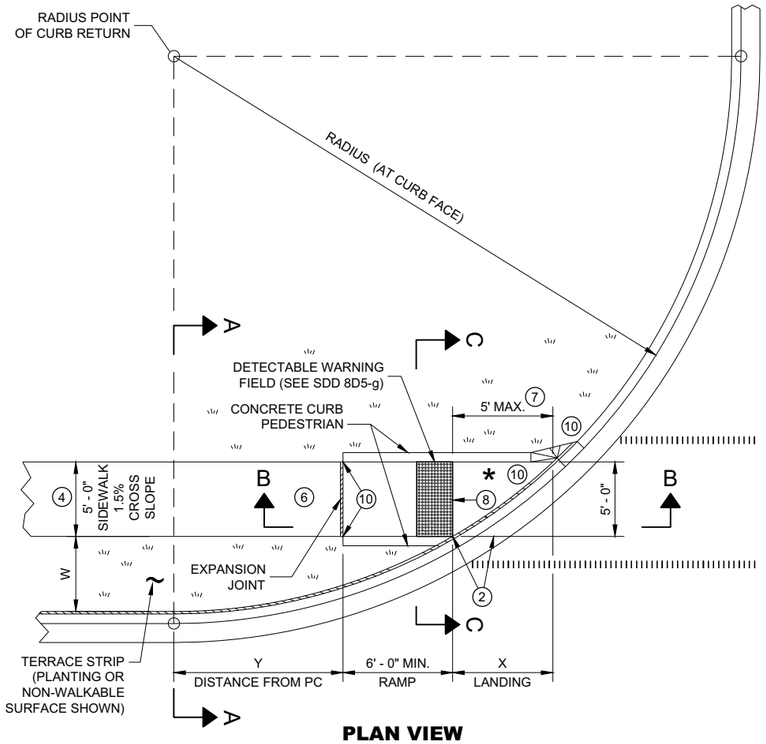
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

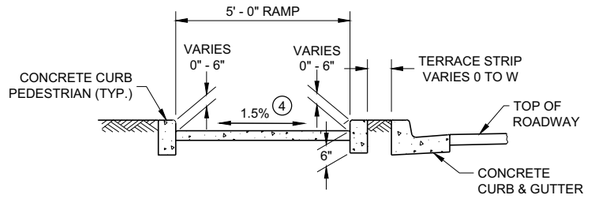
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

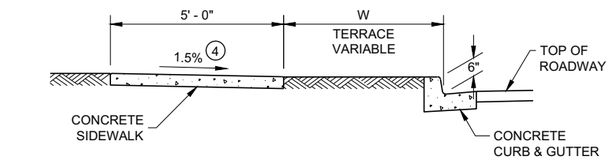
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

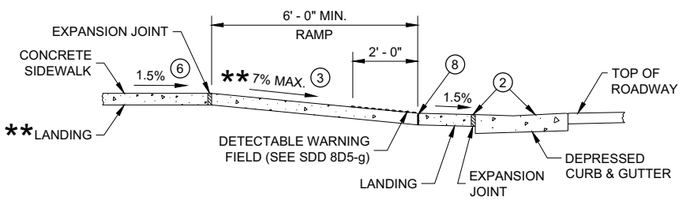
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



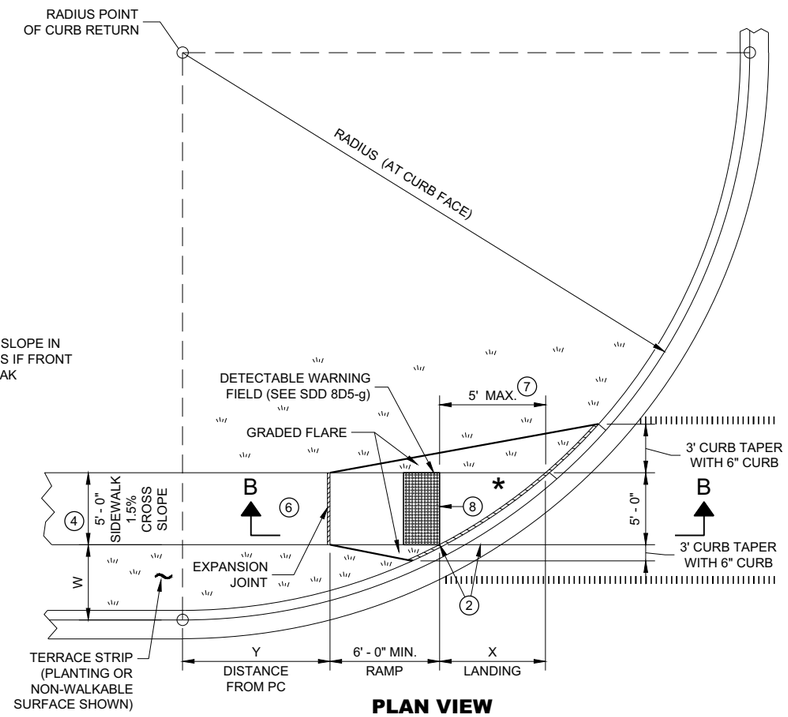
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

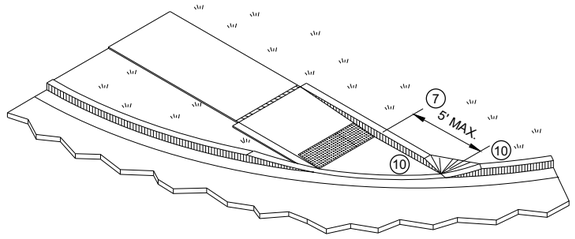
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

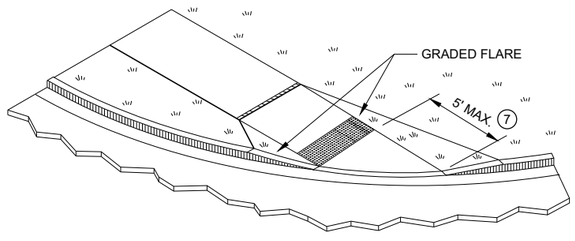


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



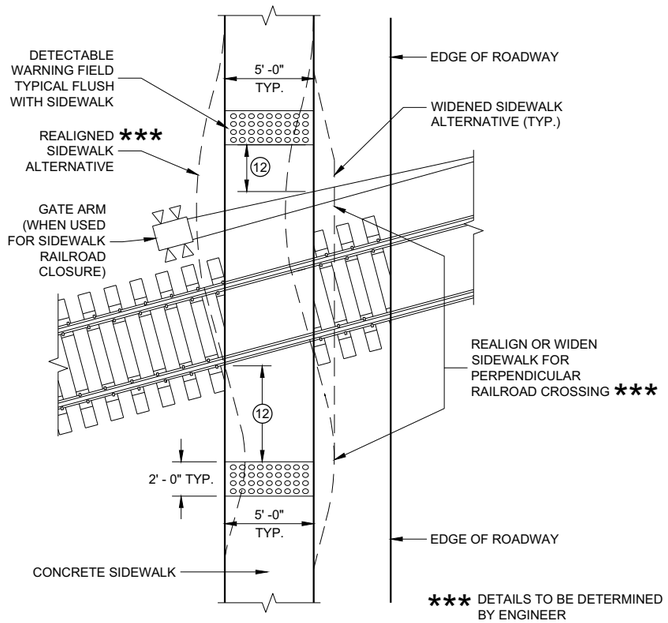
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

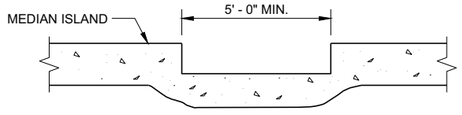
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SDD 08D05 - 20d

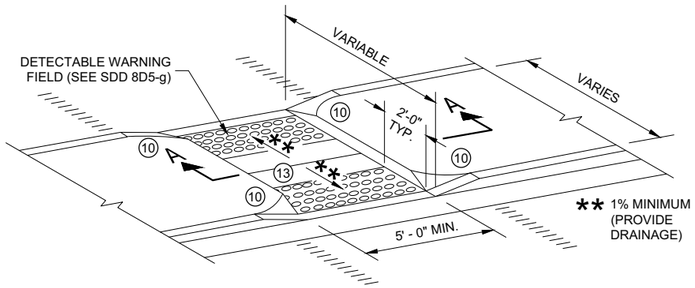


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

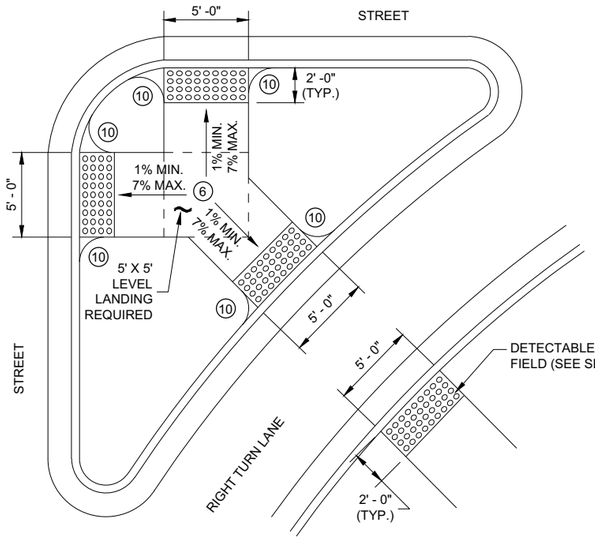
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

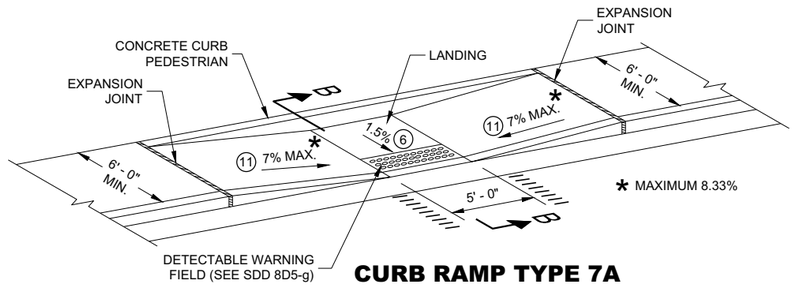
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

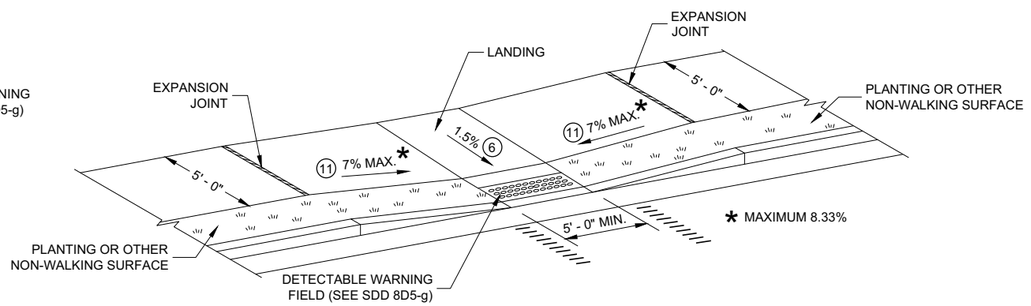
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

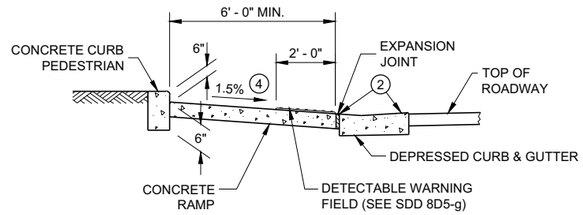
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

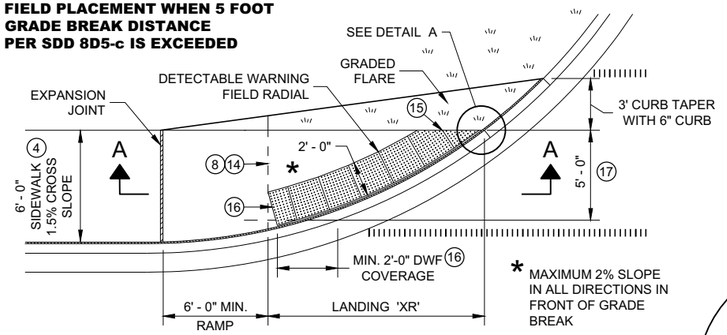
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20e

SDD 08D05 - 20e

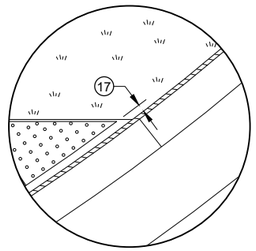
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



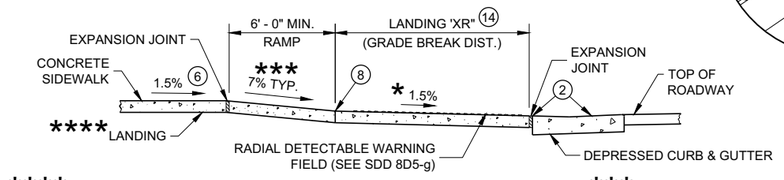
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

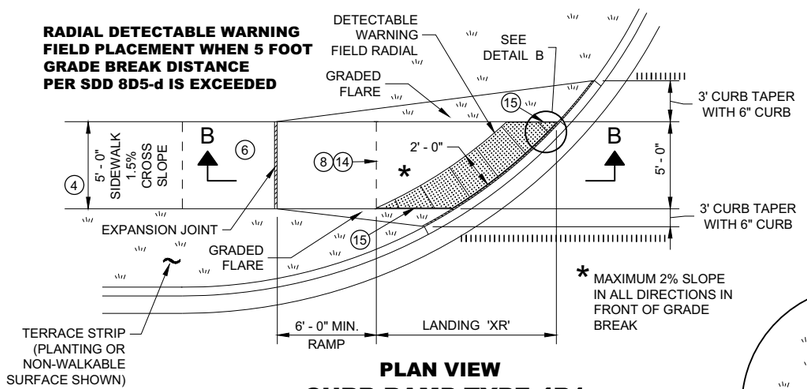


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

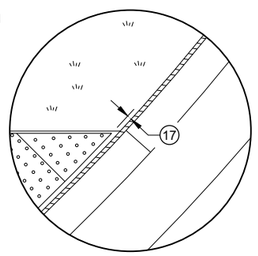
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



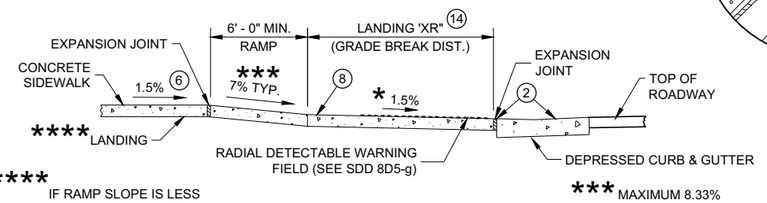
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

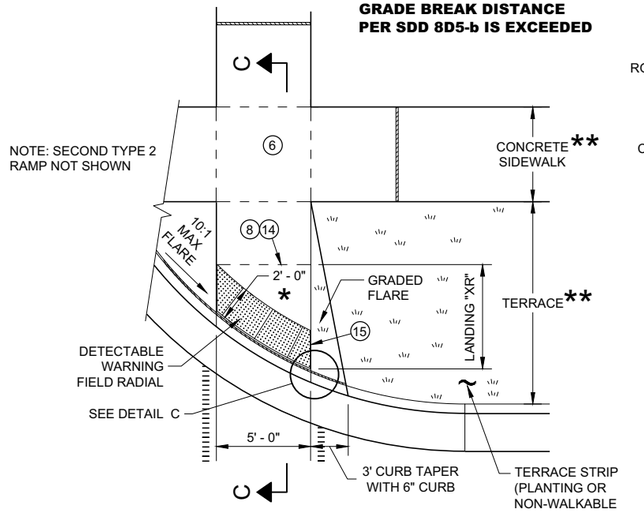
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

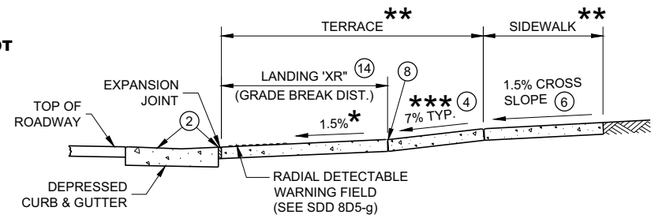


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

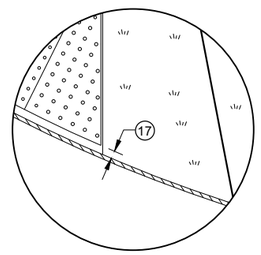


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

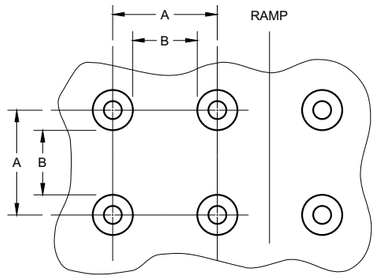
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20f

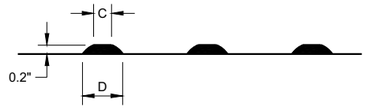
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

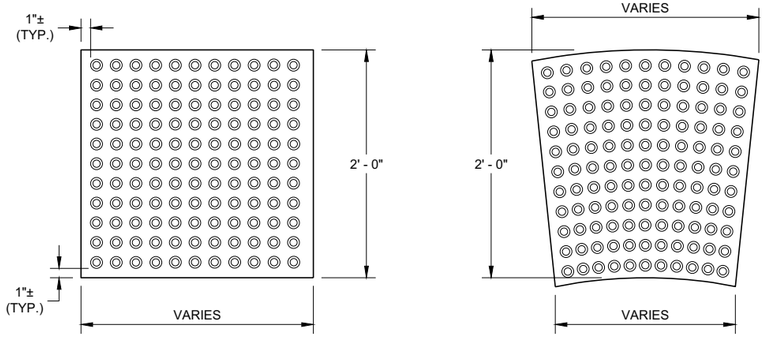


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

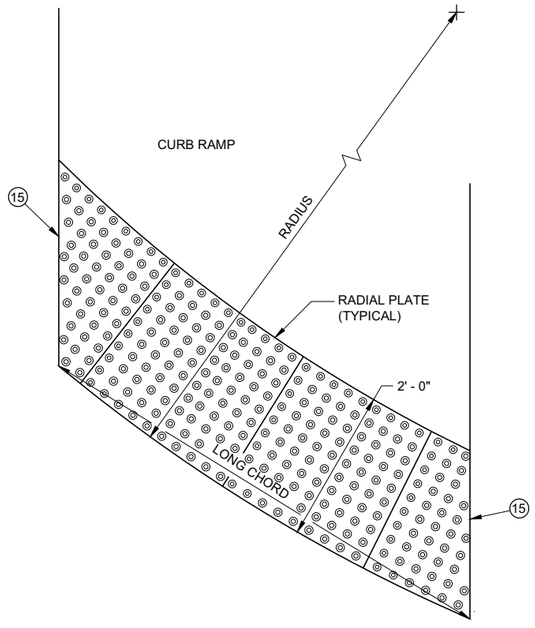
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

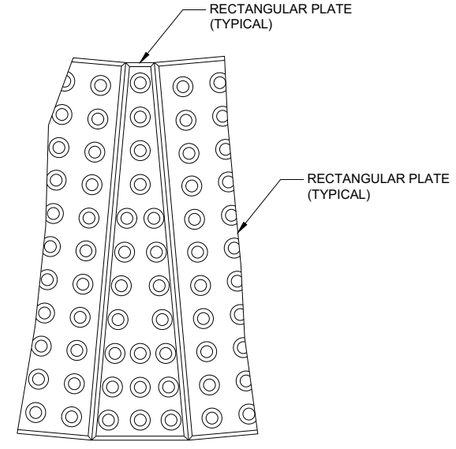
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



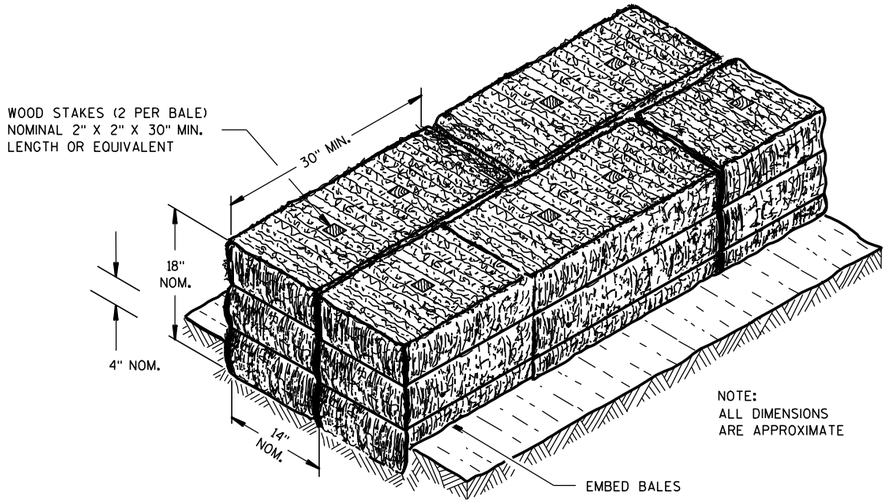
PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

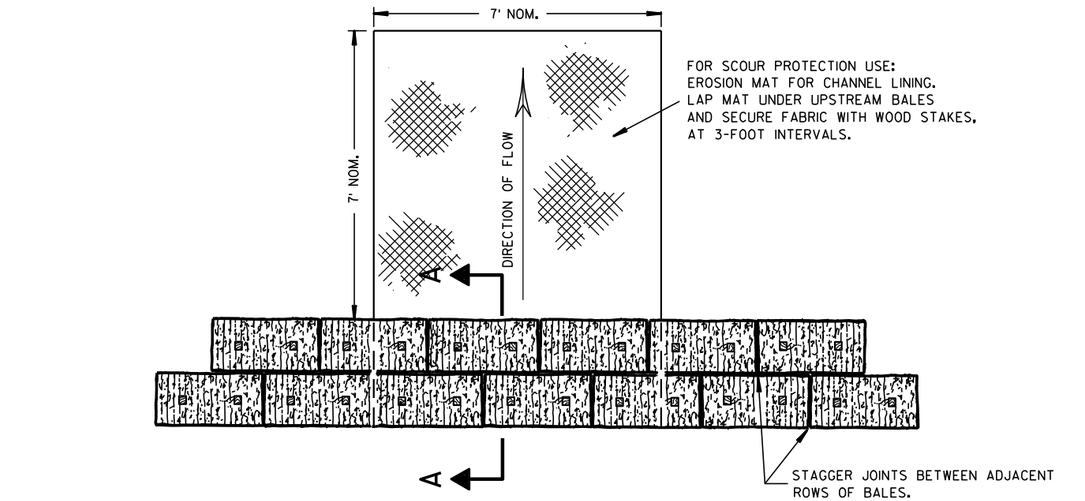
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

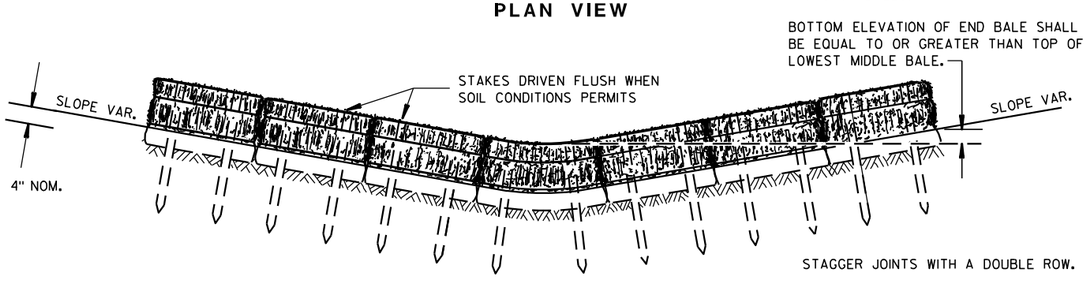
FHWA



SECTION A-A



PLAN VIEW



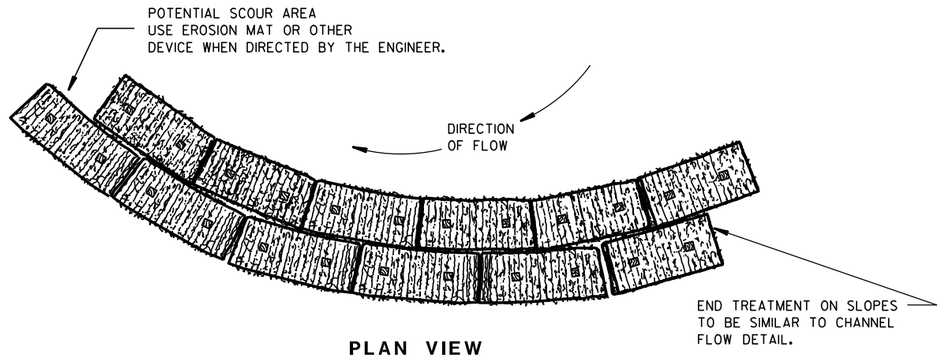
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

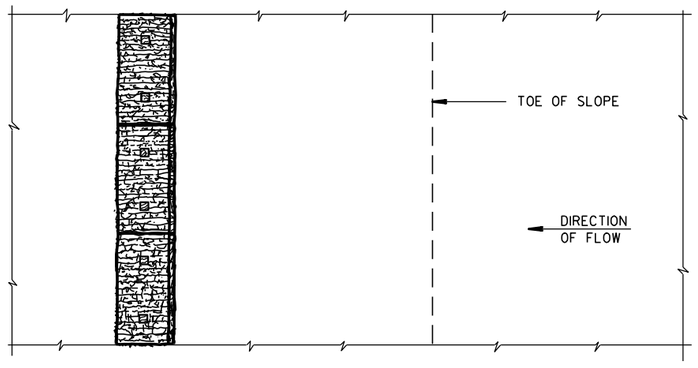
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

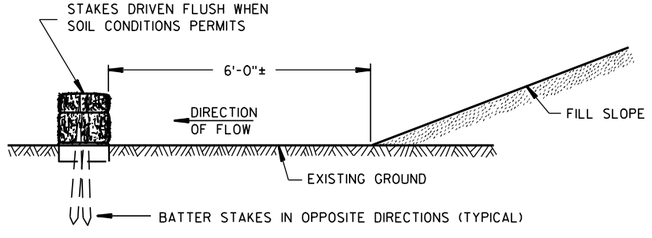


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

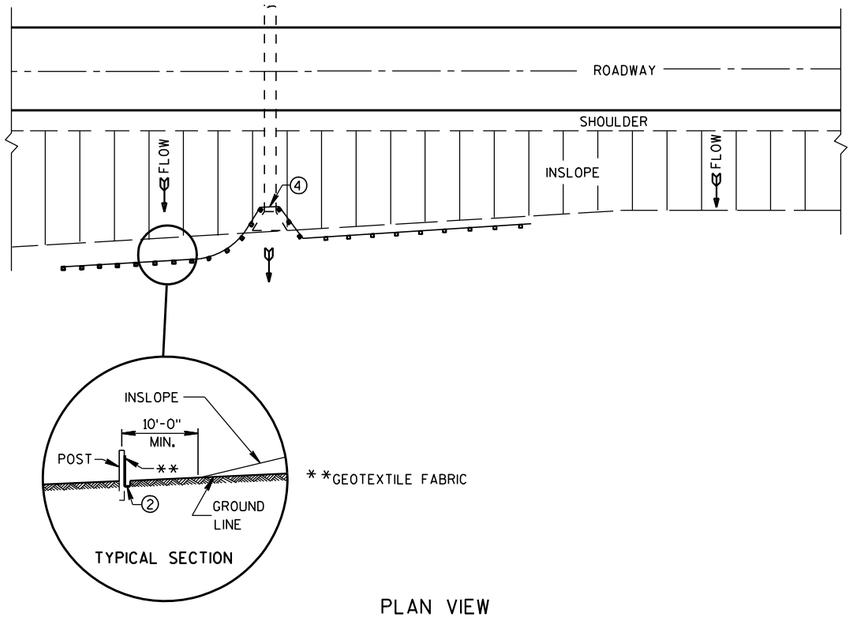
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

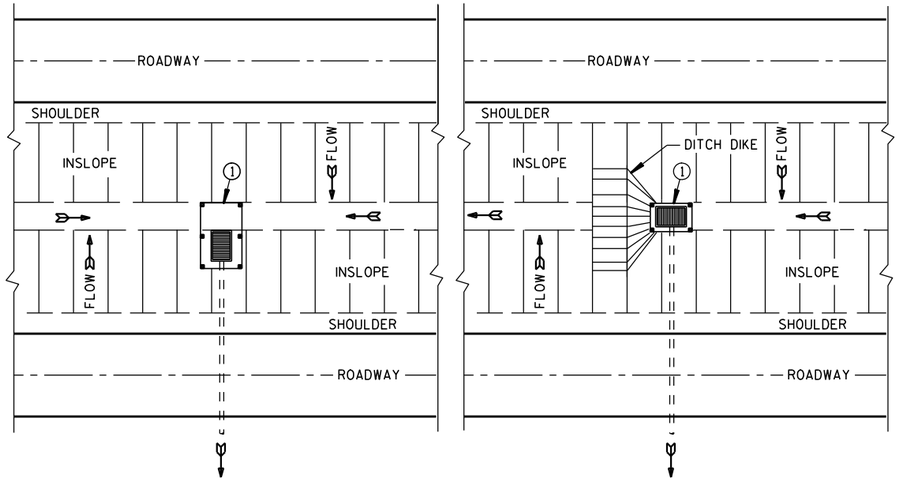
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



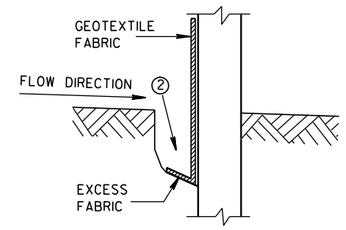
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

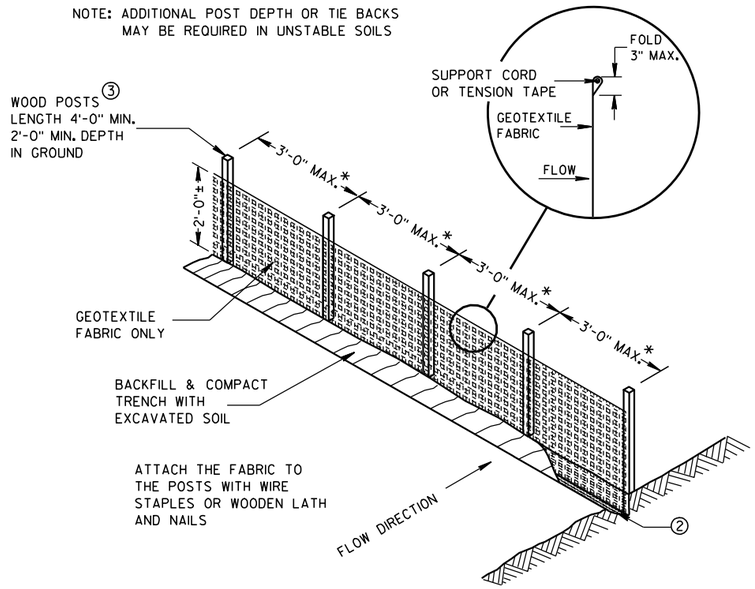
GENERAL NOTES

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

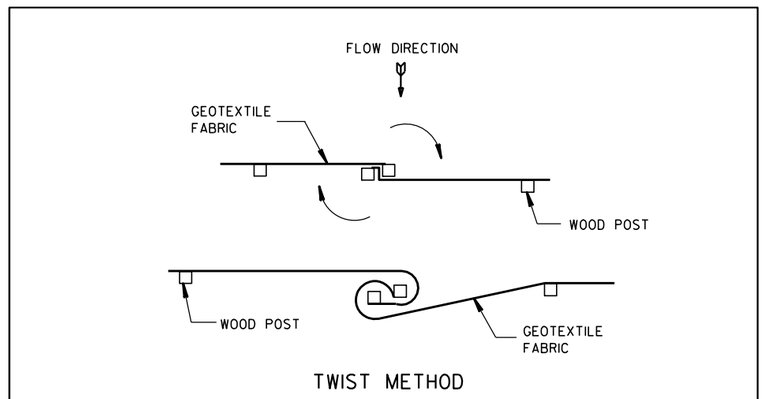
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



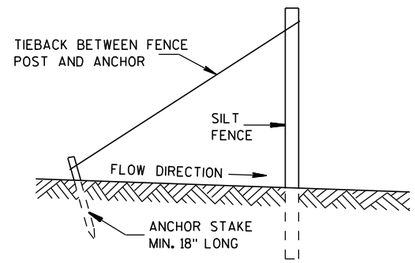
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

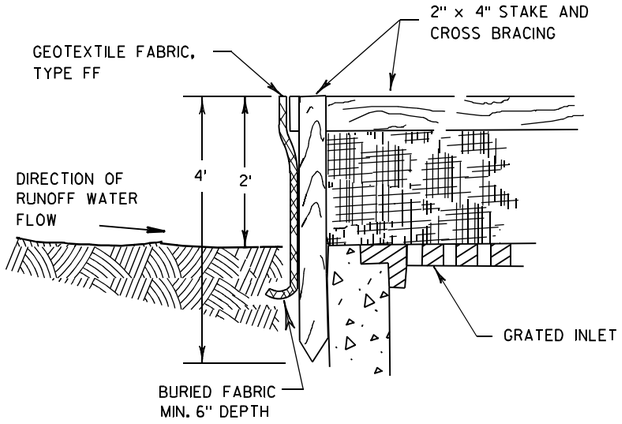
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

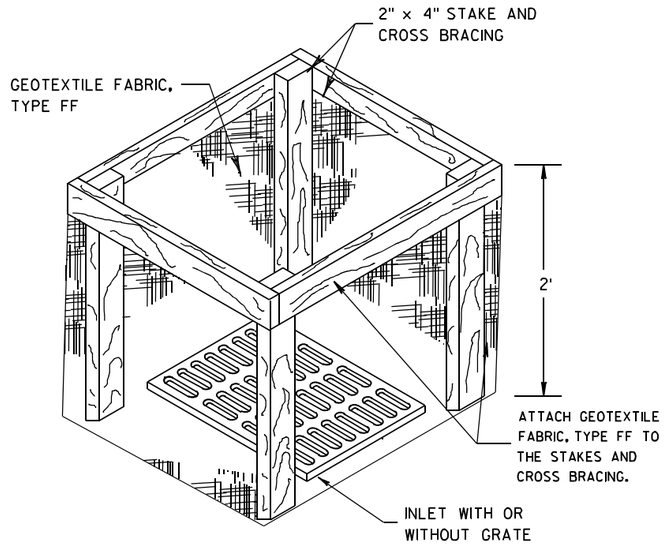
6

S.D.D. 8 E 9-6

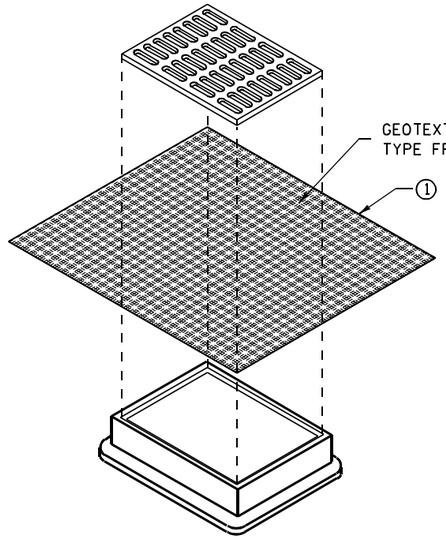
6

S.D.D. 8 E 9-6



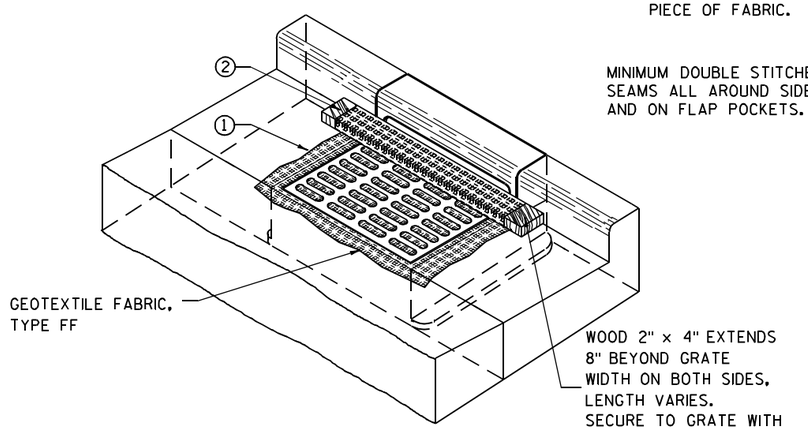


INLET PROTECTION, TYPE A

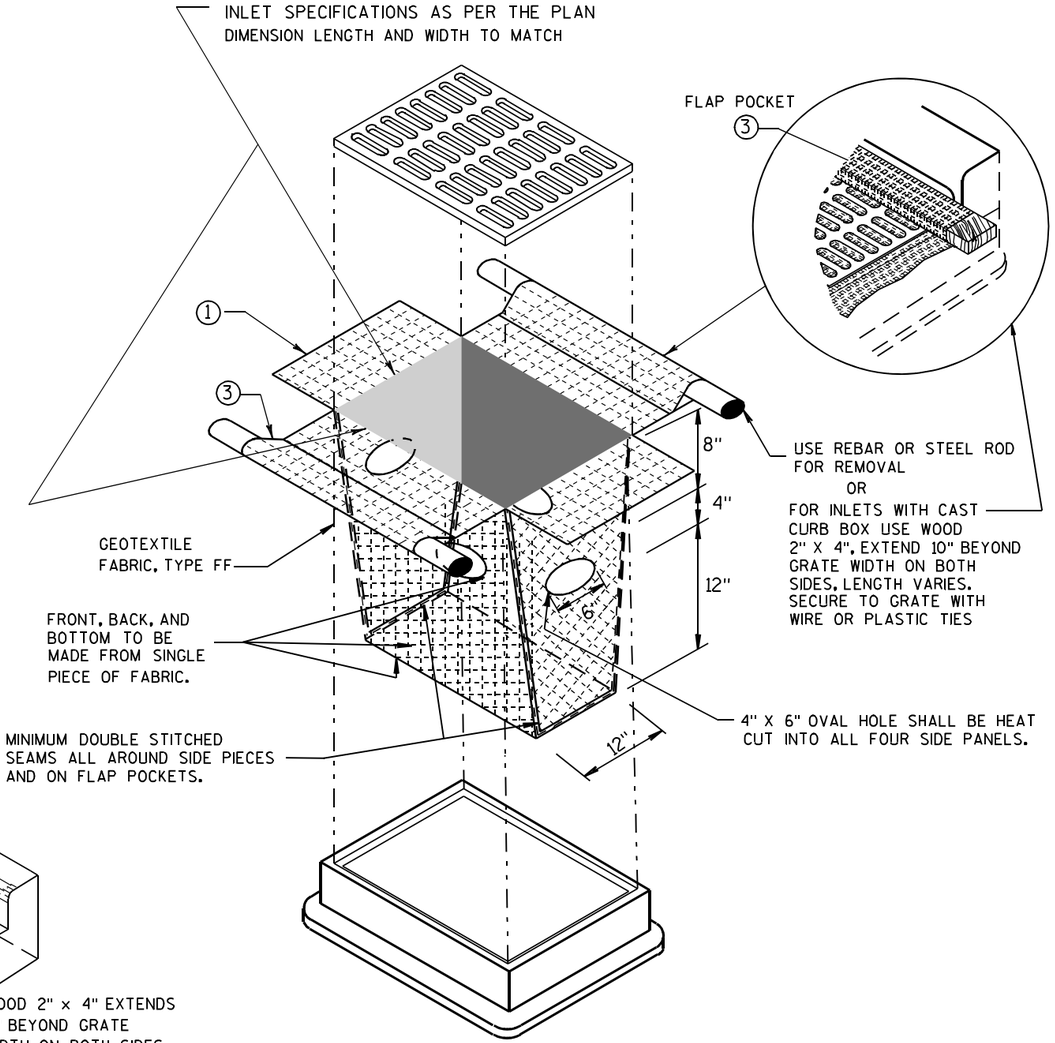


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

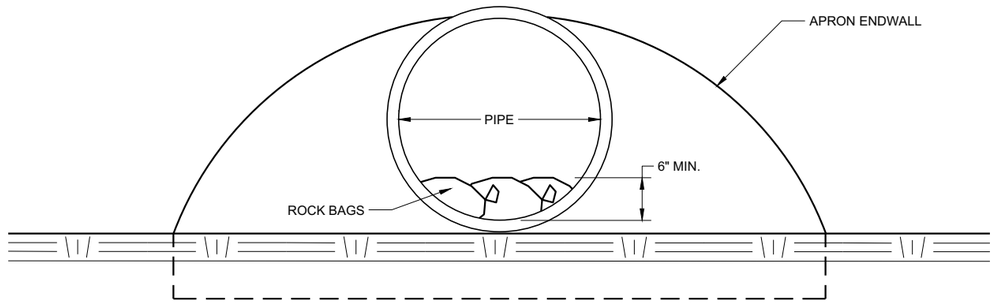
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

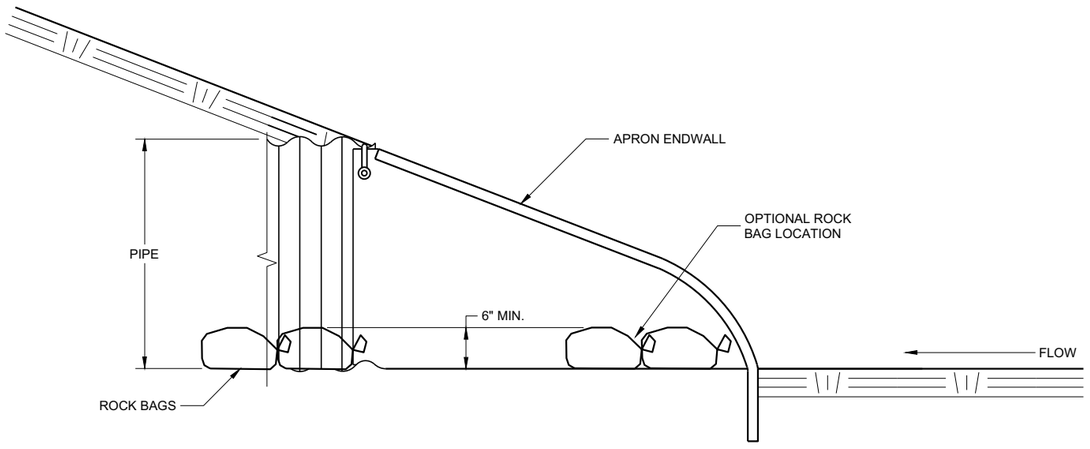
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

6
SDD 08E15 - 01

METAL APRON ENDWALLS

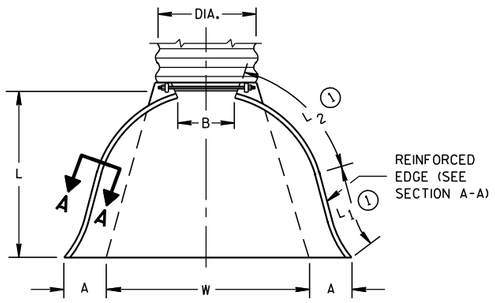
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

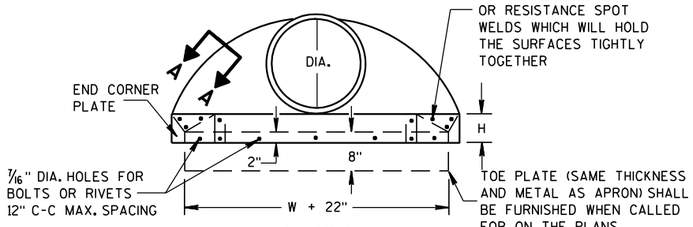
REINFORCED CONCRETE APRON ENDWALLS

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

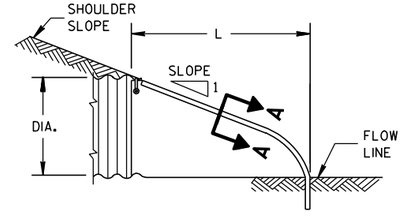
*MINIMUM
**MAXIMUM



PLAN VIEW

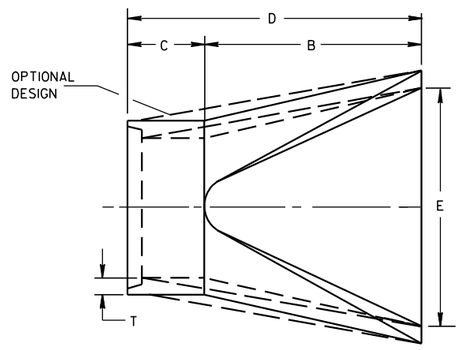


END VIEW

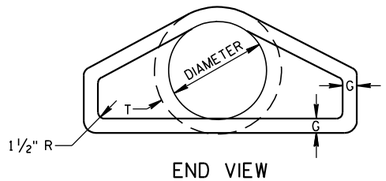


SIDE ELEVATION

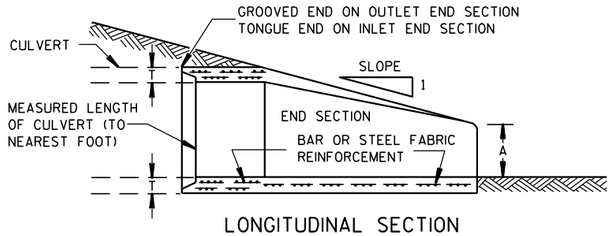
METAL ENDWALLS



PLAN

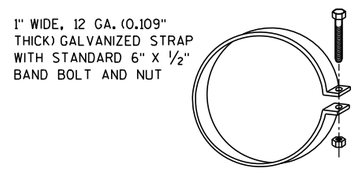


END VIEW



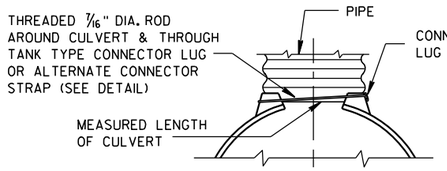
LONGITUDINAL SECTION

CONCRETE ENDWALLS

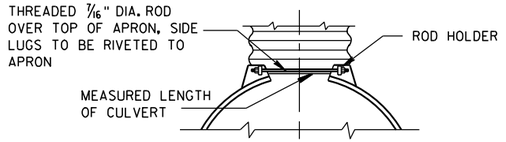


ALTERNATE FOR TYPE 1 CONNECTION

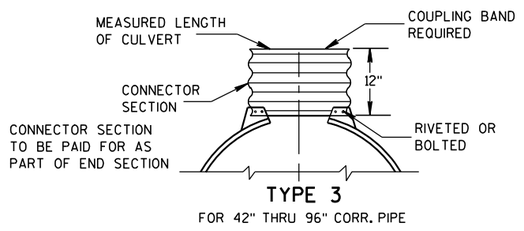
END SECTION CONNECTOR STRAP



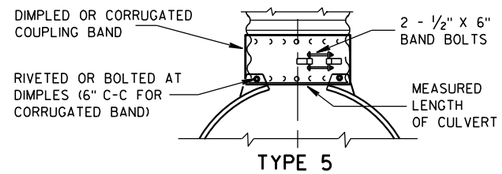
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

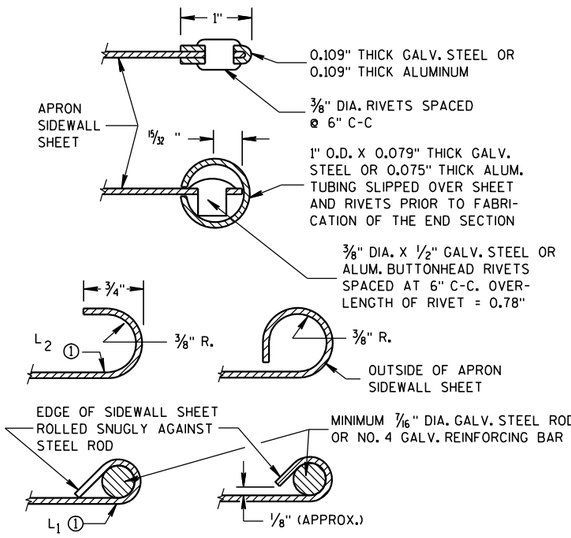
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

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

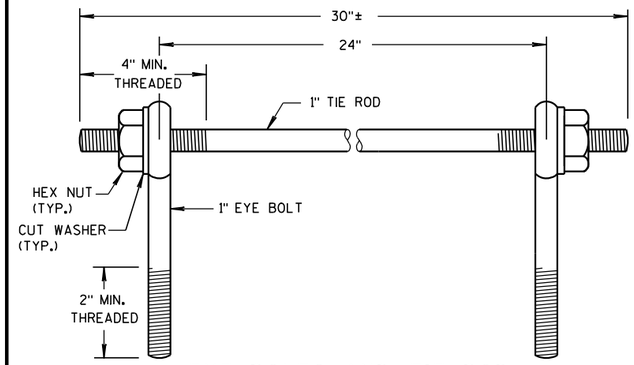
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

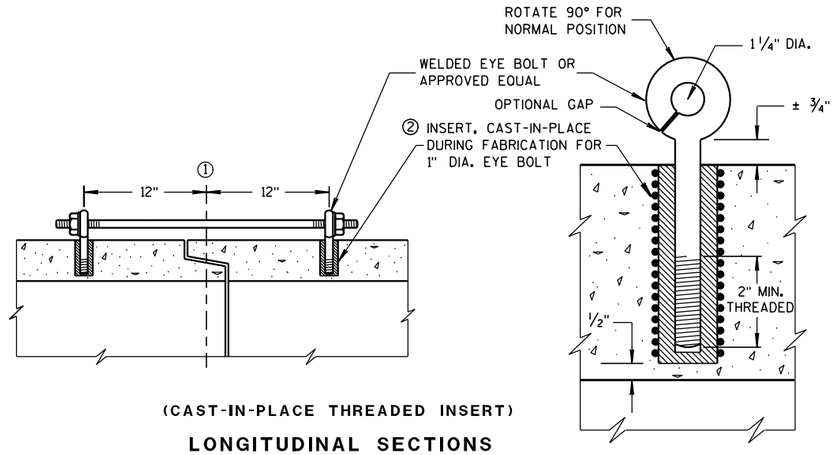
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

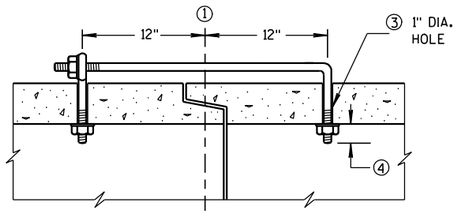
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

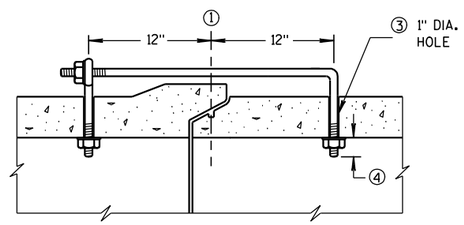
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

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



(TONGUE & GROOVE PIPE)

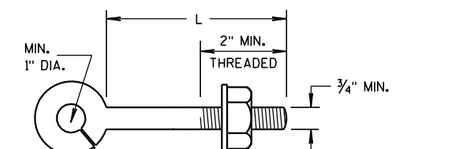


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

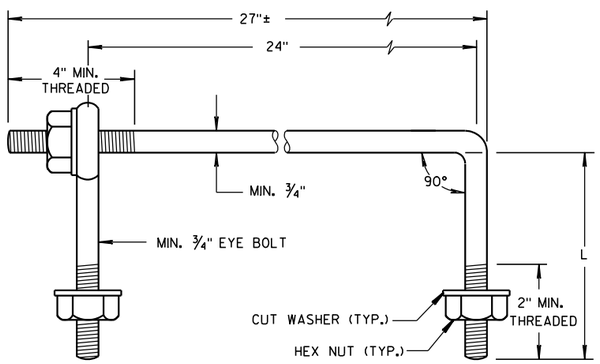
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

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



EYE BOLT AND TIE ROD

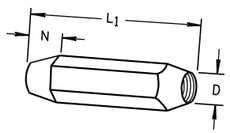
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

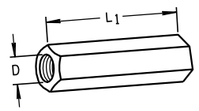
ADJUSTABLE TIE ROD TABLE

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

DIMENSIONS SHOWN ARE IN INCHES



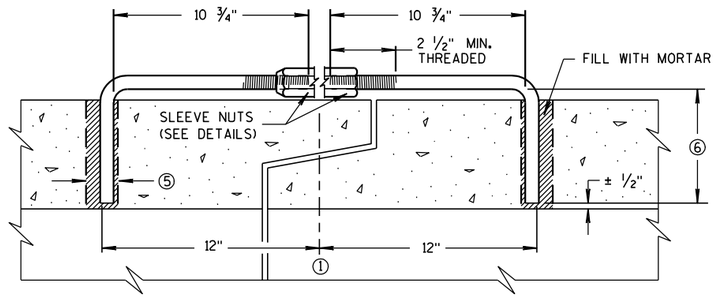
TAPERED



PLAIN

RIGHT AND LEFT THREADS

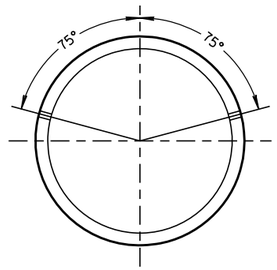
SLEEVE NUTS



LONGITUDINAL SECTION

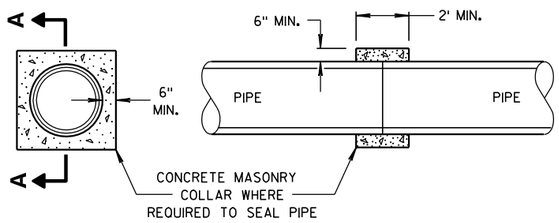
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

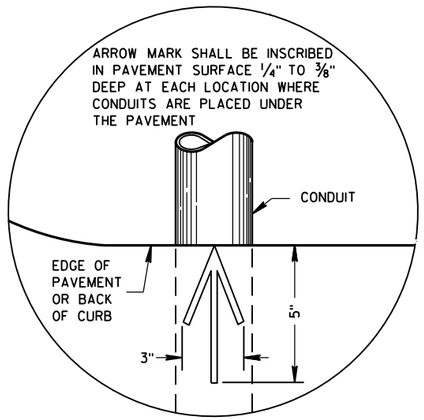
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
131
FHWA

6

S.D.D. 8 F 4-7

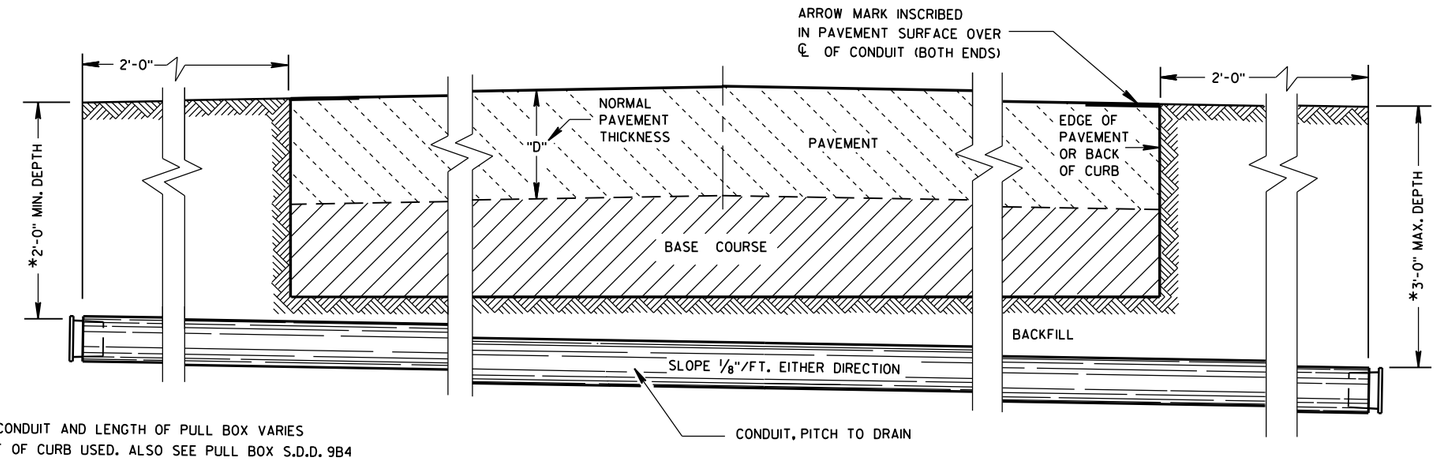
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S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

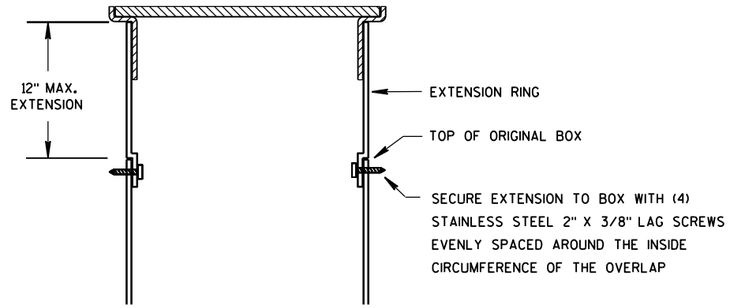
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

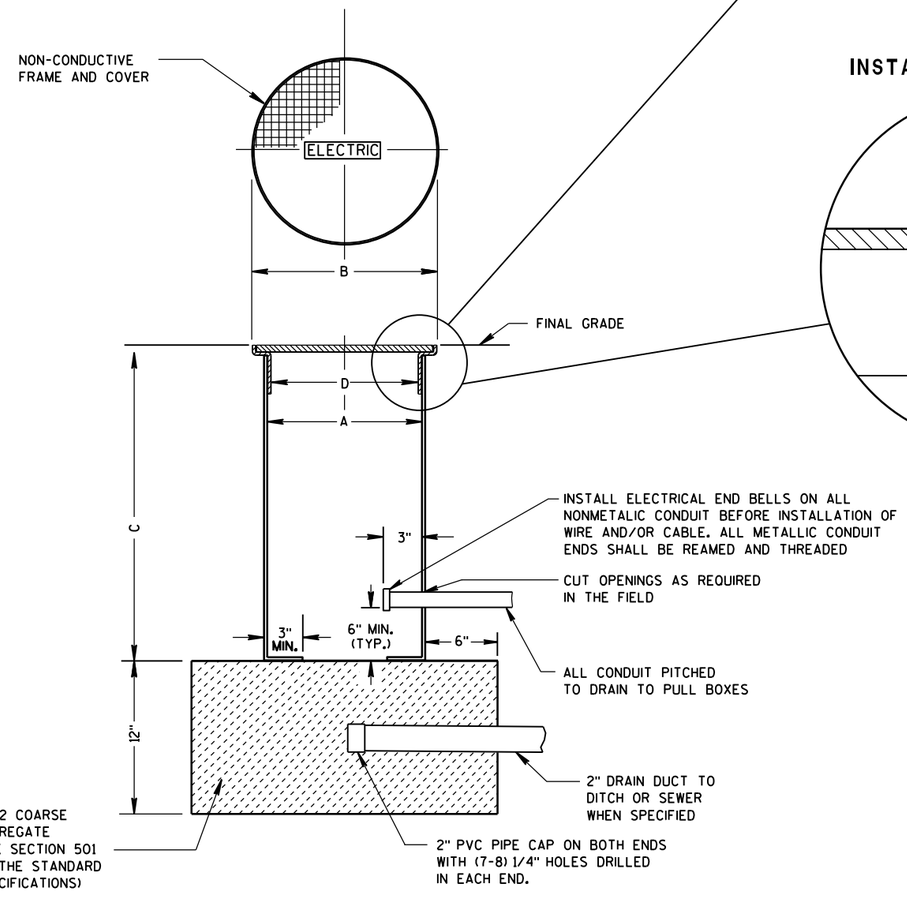
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

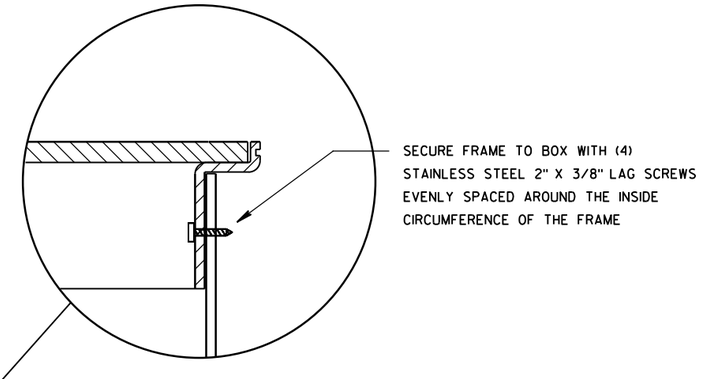


BOX EXTENSION

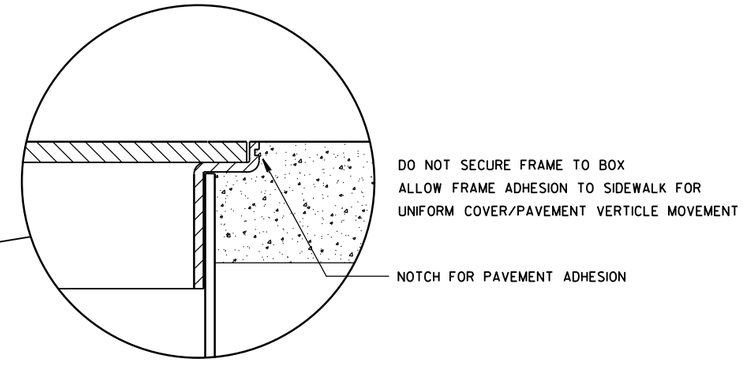


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



PULL BOX NON-CONDUCTIVE

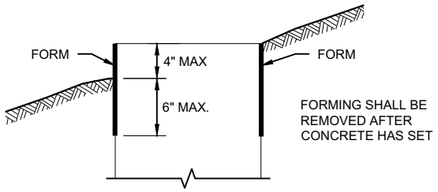
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 B 16-1

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

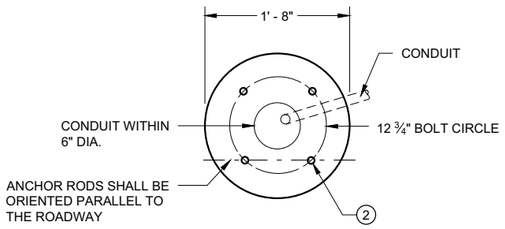
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

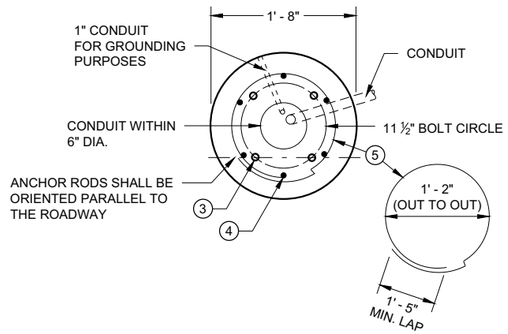
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

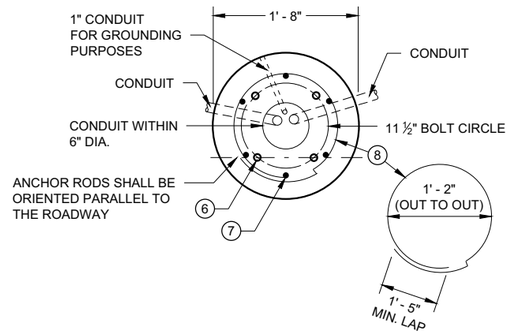
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

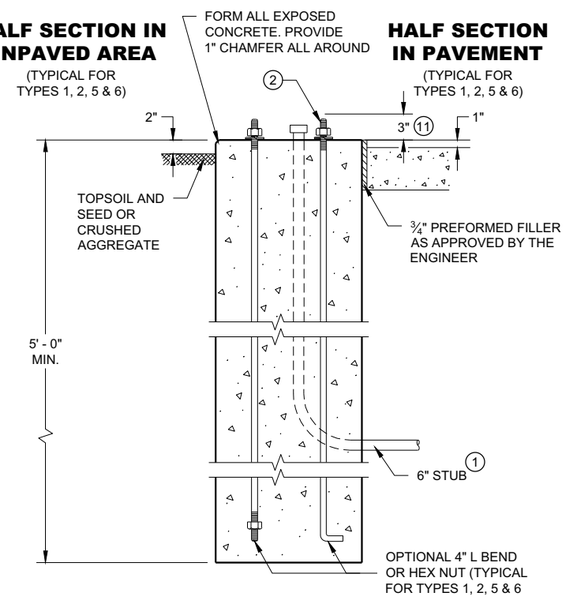
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

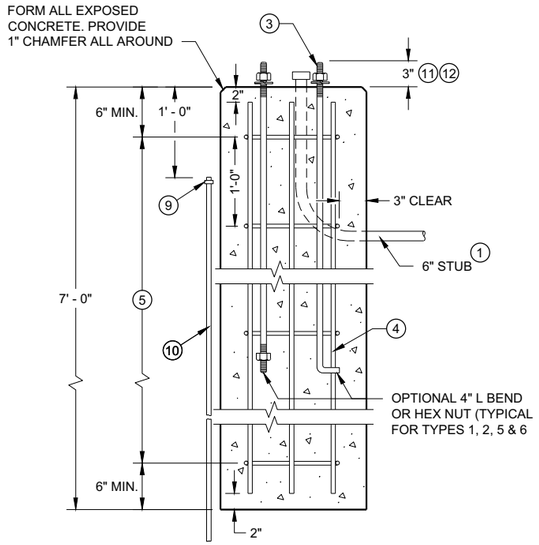
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

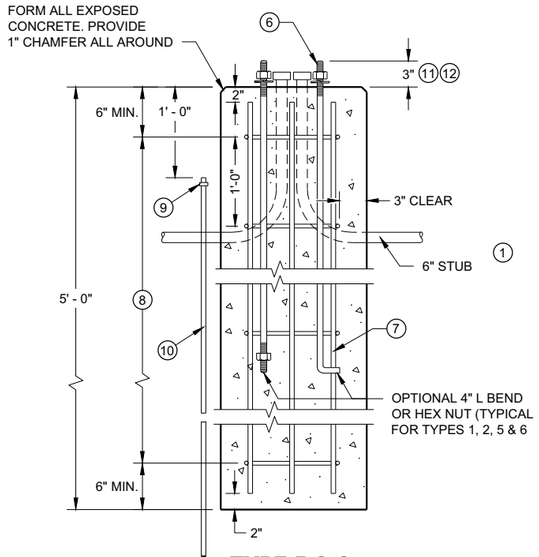
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

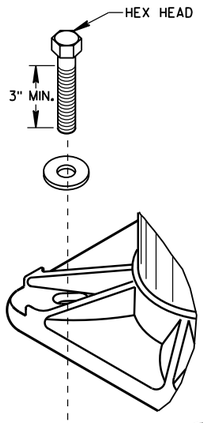
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

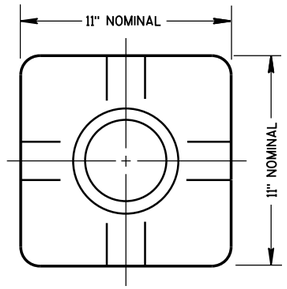
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

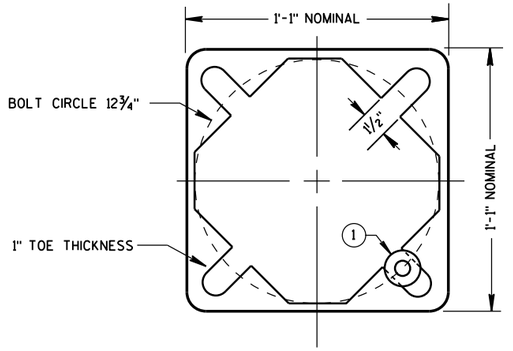
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

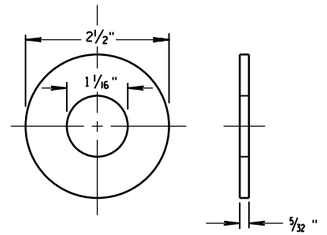




TOP VIEW
(PEDESTAL BASE)

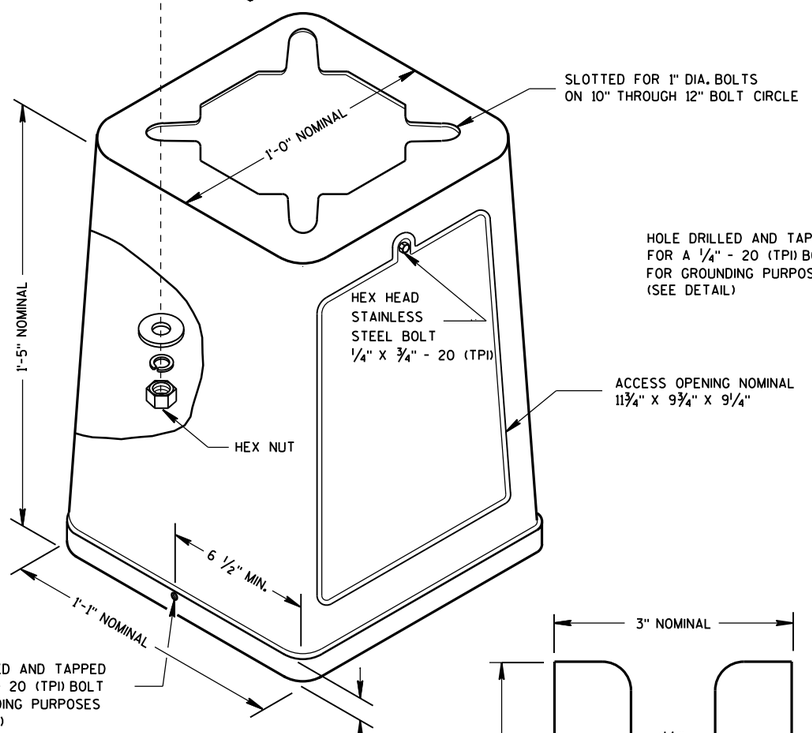


BOTTOM VIEW
(PEDESTAL BASE)

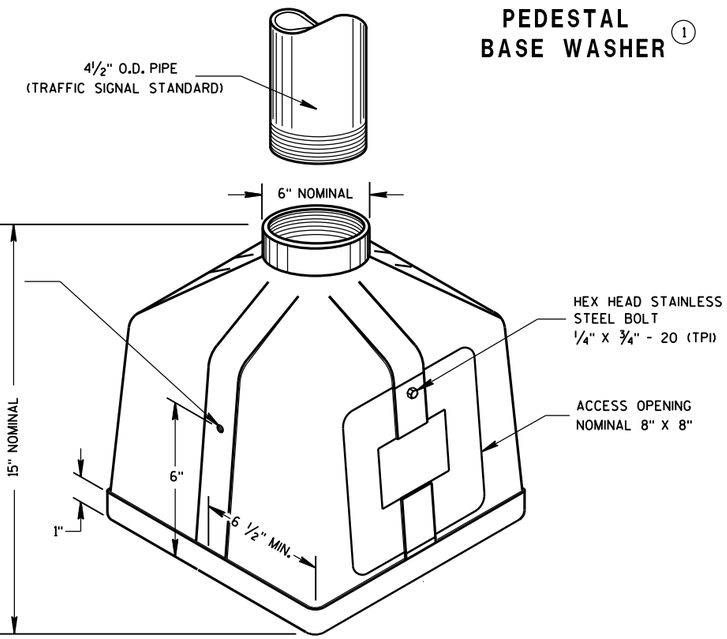


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

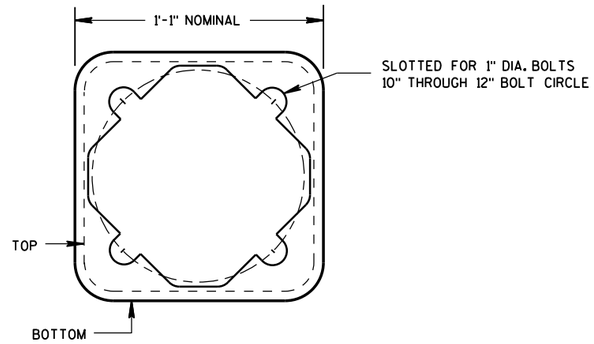


ISOMETRIC VIEW

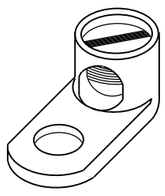


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

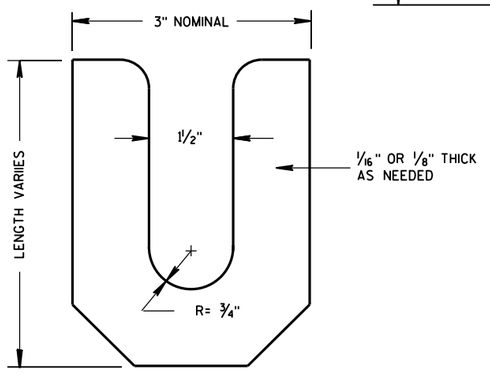


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
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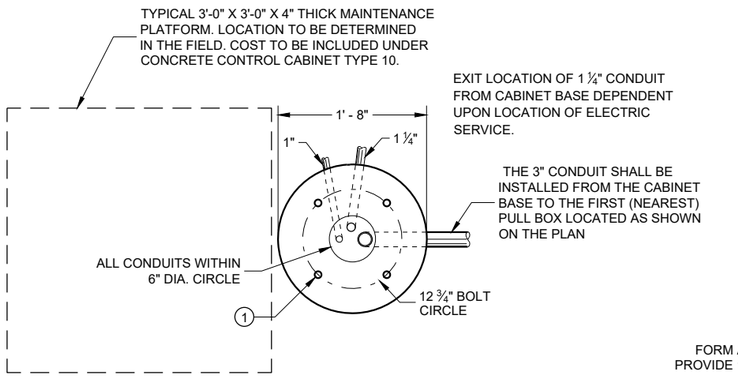
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

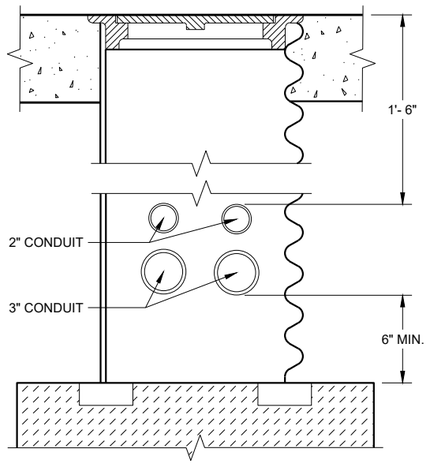
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S.D.D. 9 C 3-4

CONTROL CABINET BASE TYPE	DIMENSIONS				CUBIC YARD CONCRETE (APPROX.)
	H	I	J	K	
TYPE 6 - 30" CABINET	34"	60"	10"	17"	.64
TYPE 7 - 38" CABINET	42"	60"	10"	21"	.93
TYPE 8 - 38" CABINET	42"	72"	12"	21"	1.29
TYPE 9 - VARIABLE	54"	72"	14"	27"	1.56
TYPE 10 - POST MOUNT	AS SHOWN				.65*

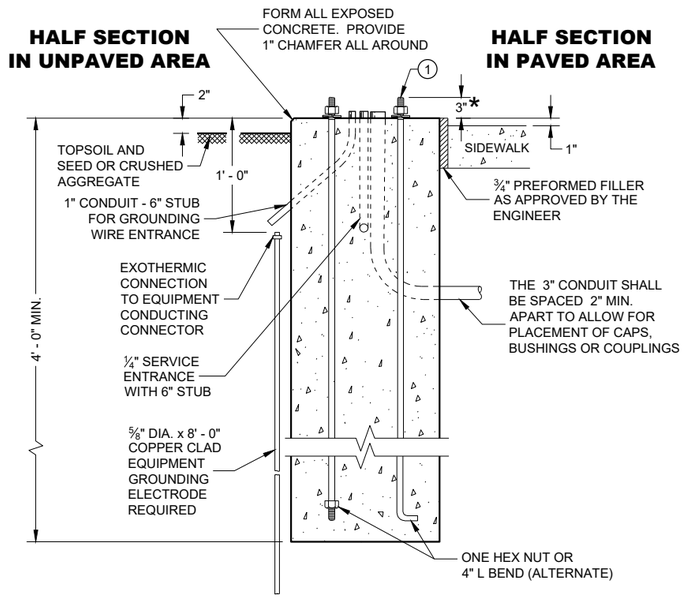
*INCLUDES MAINTENANCE PLATFORM.





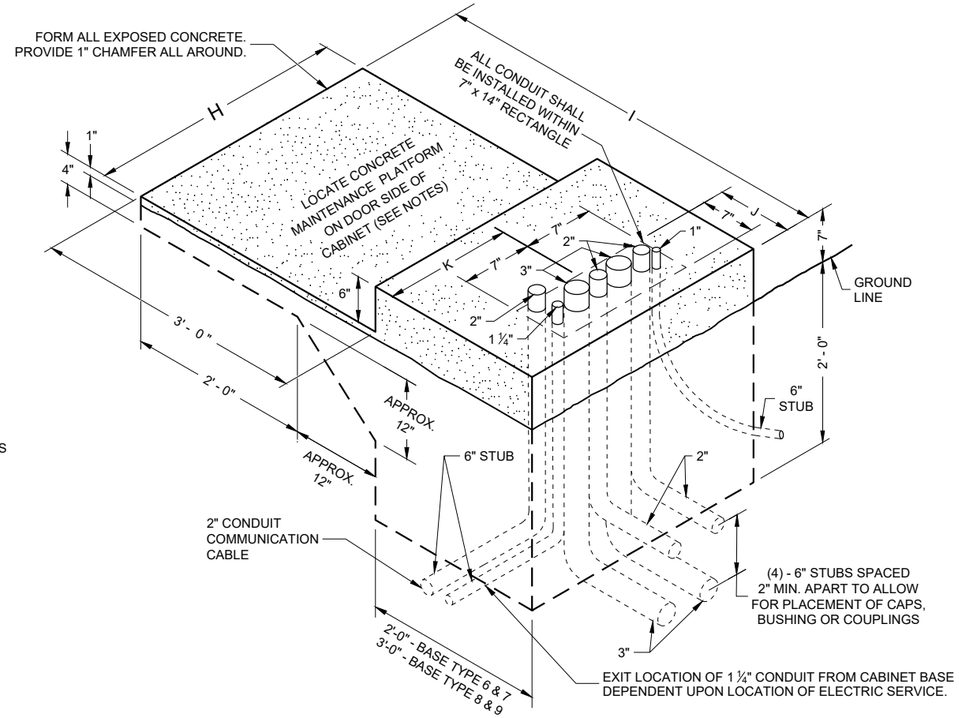
CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)



TYPE 10

*ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.



ISOMETRIC VIEW
TYPE 6, 7, 8 AND 9

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR (4) ½" INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

ALL FOUR (TWO INCH AND THREE INCH) CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST (NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

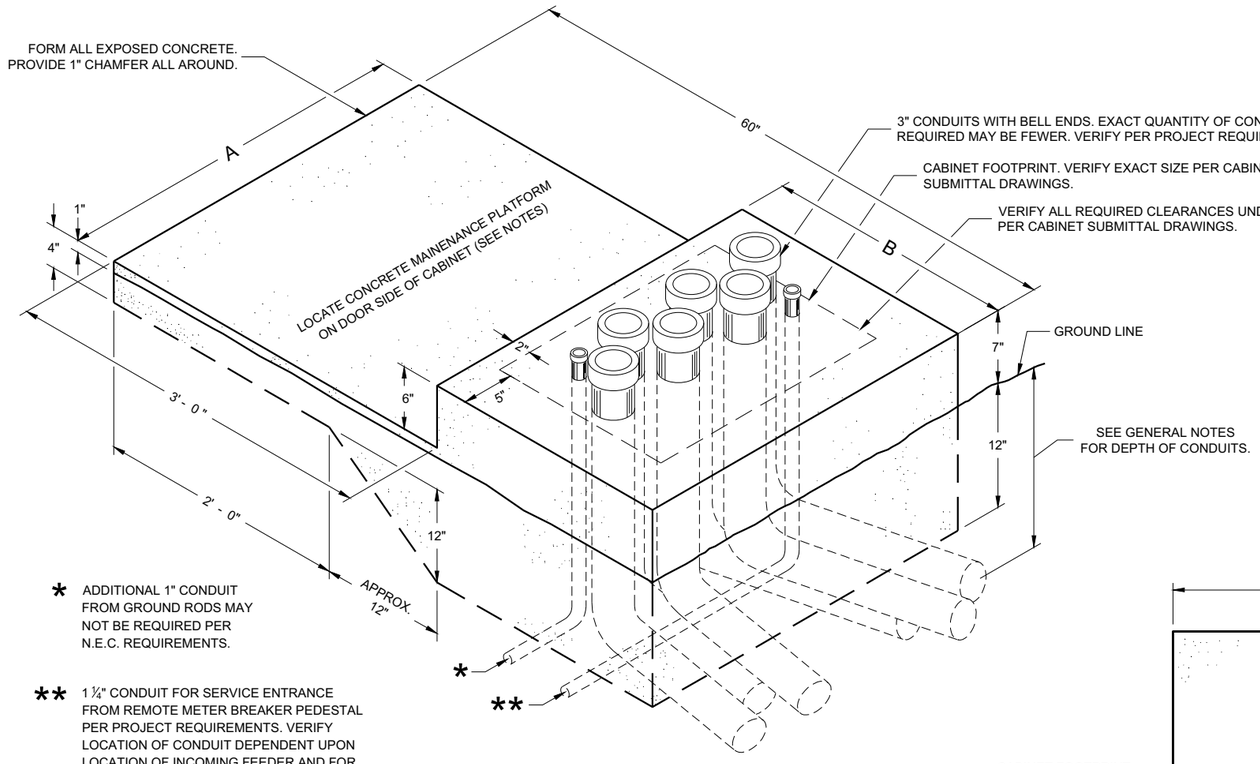
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1 :40 FROM VERTICAL.

(1) FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6". ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2 OF THE STANDARD SPECIFICATIONS.

CONCRETE CABINET CONTROL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2016
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 136
FHWA



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

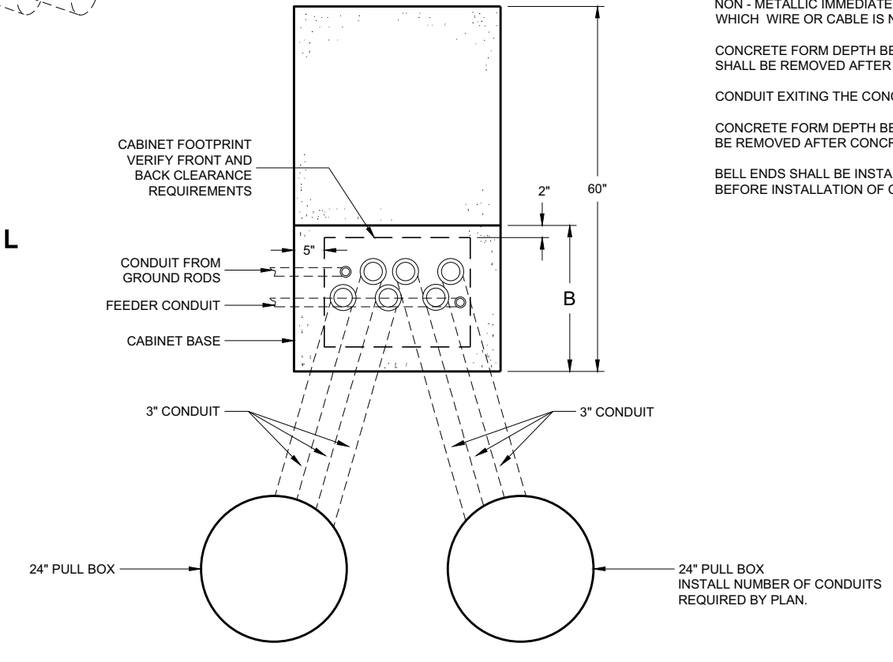
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

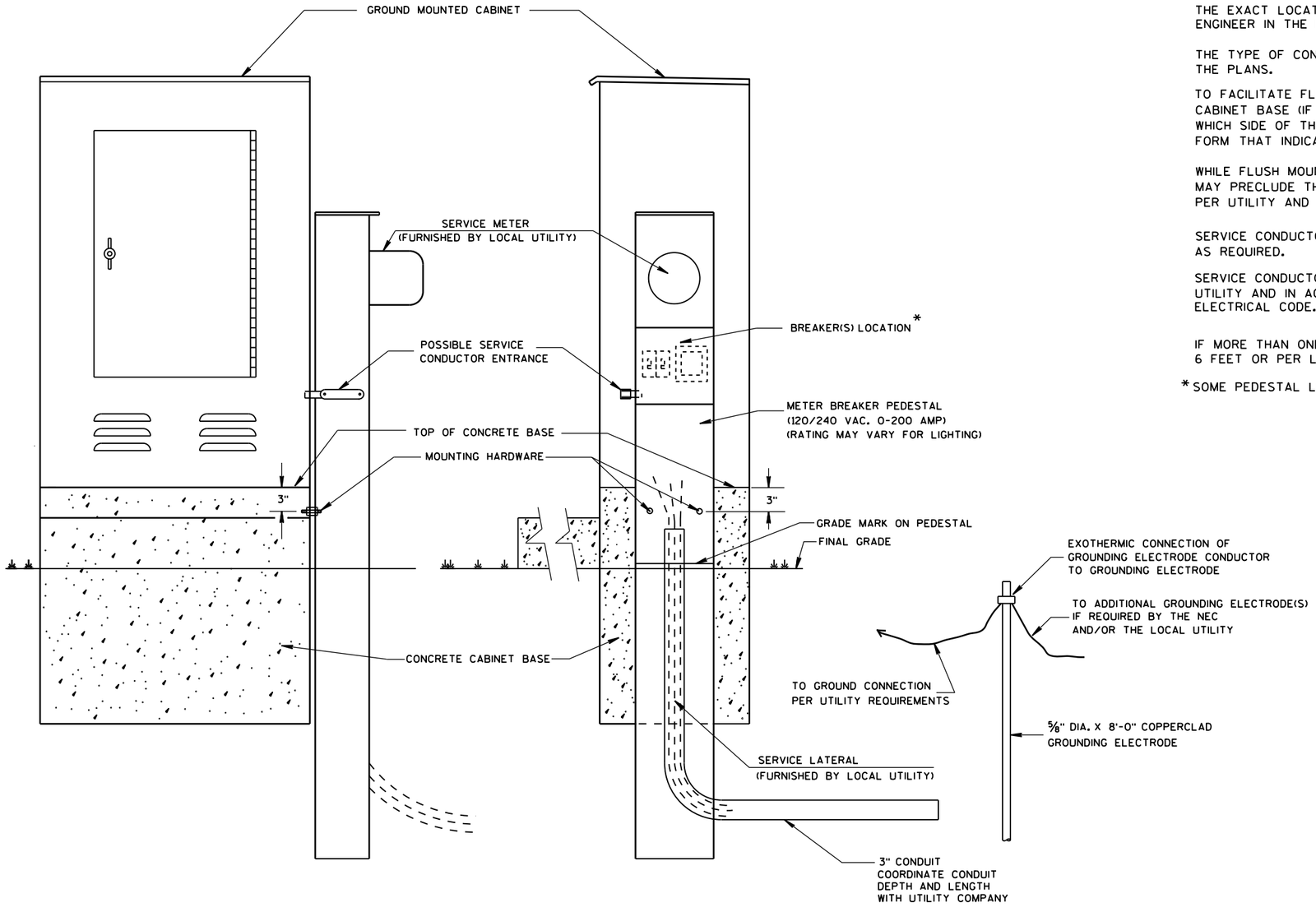
CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

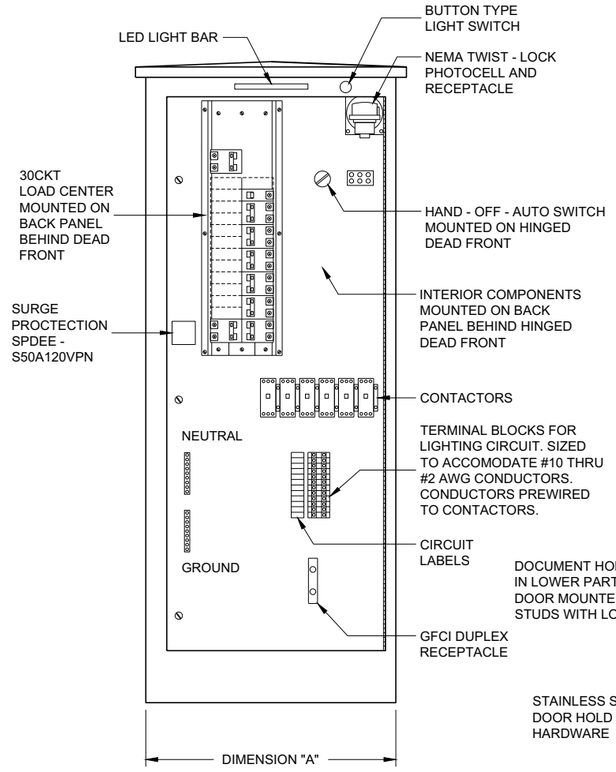
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

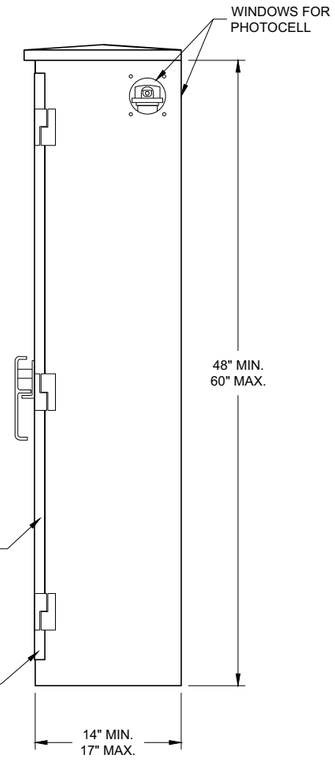
/S/ Ahmet Demirbilek
STATE ELECTRICAL

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FRONT INTERIOR ELEVATION



SIDE VIEW



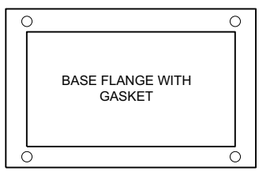
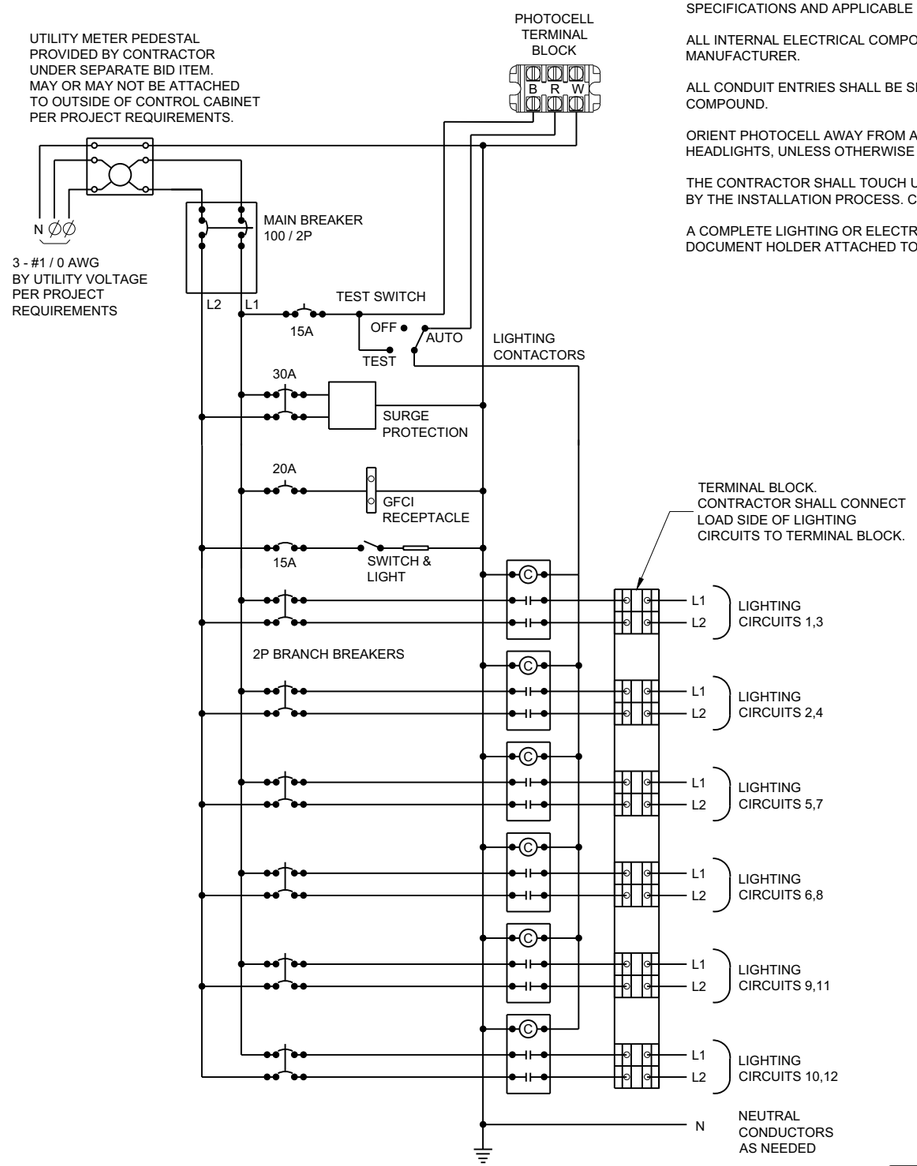


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET 120 / 240 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

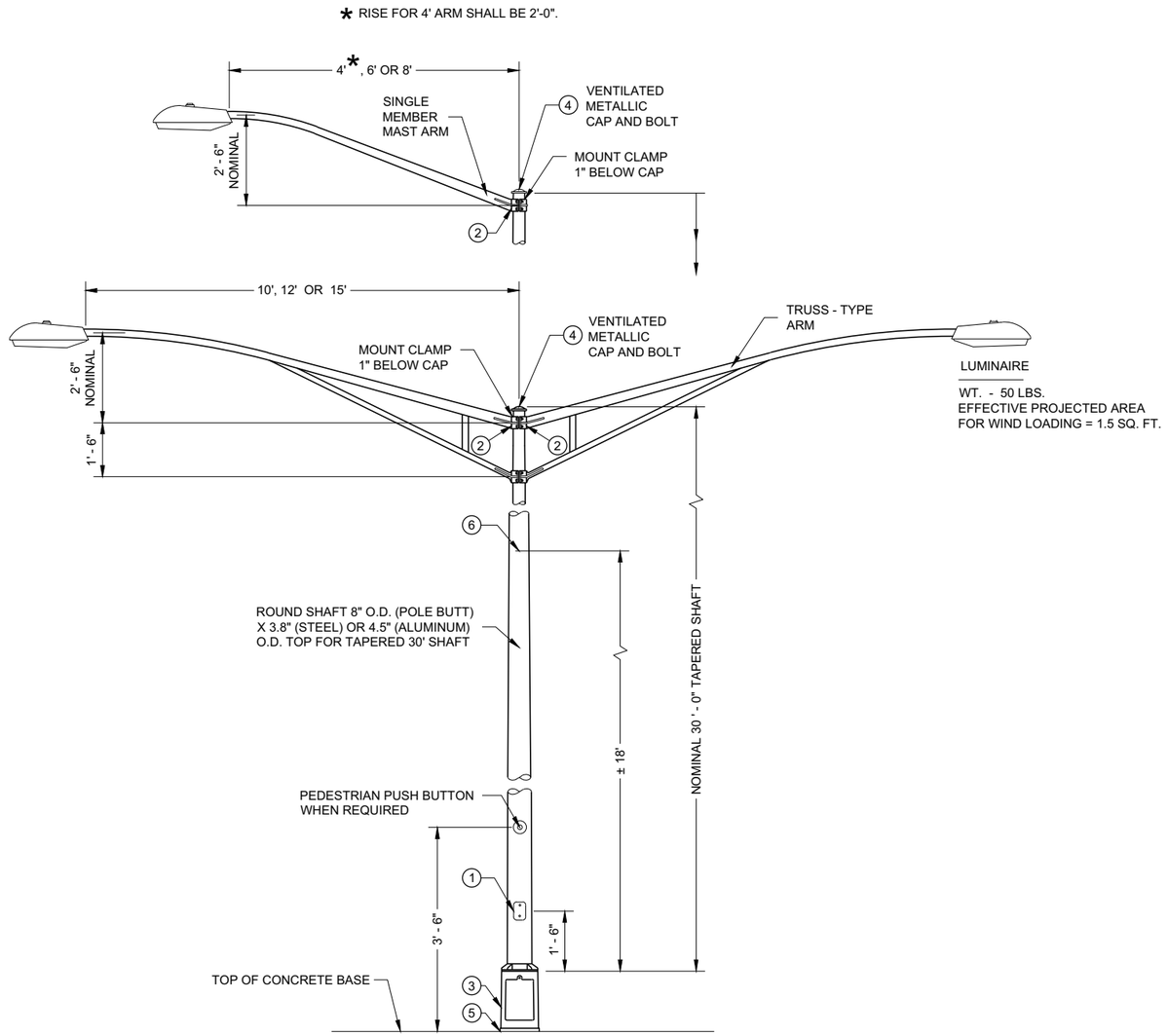
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November 2018
DATE

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SDD 09D04 - 03



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

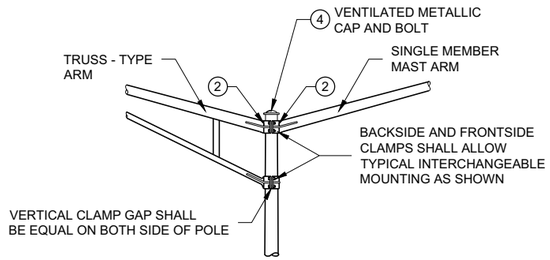
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

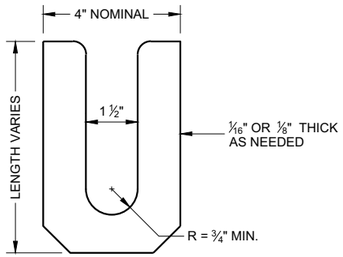
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 140

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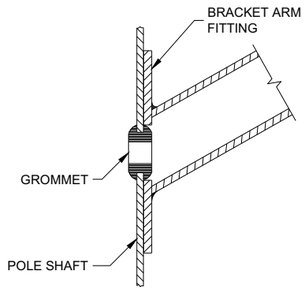
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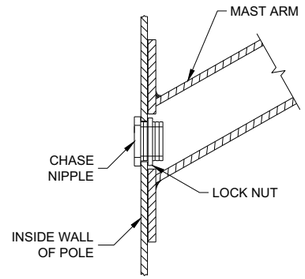
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LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

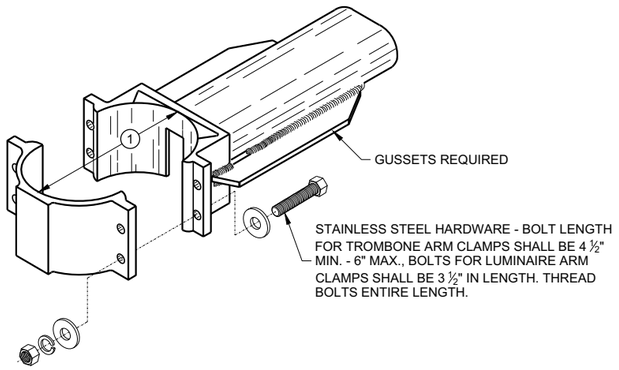
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

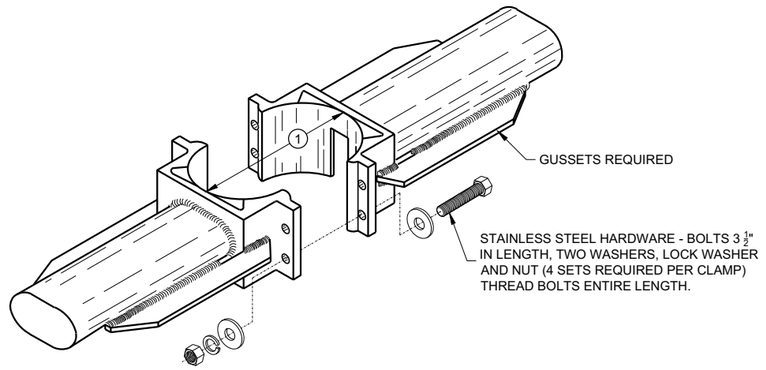
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

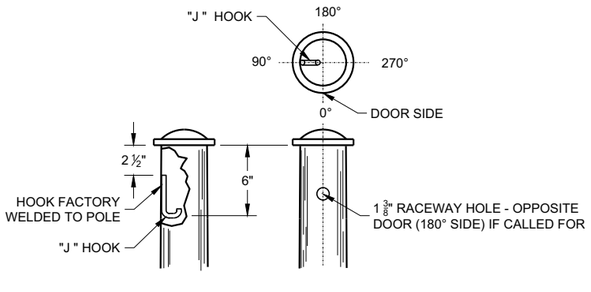
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



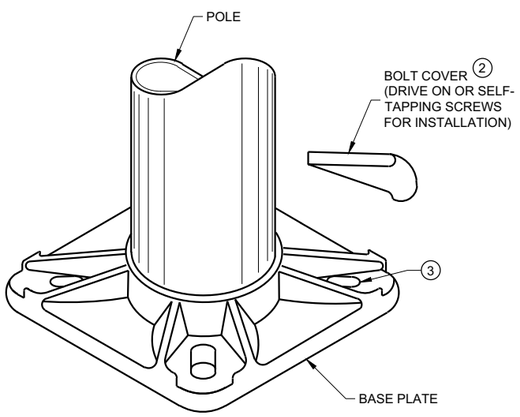
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



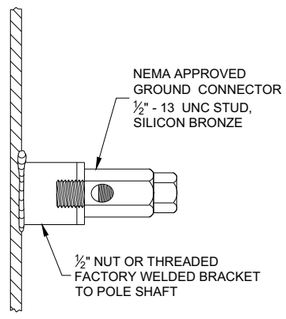
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

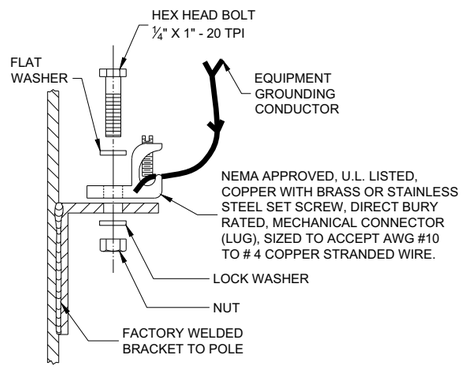


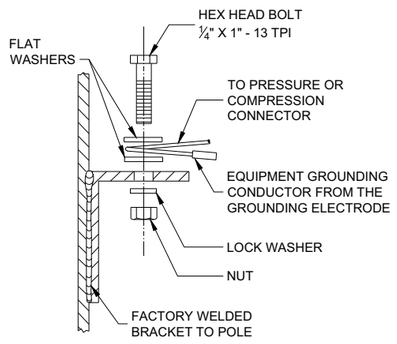
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
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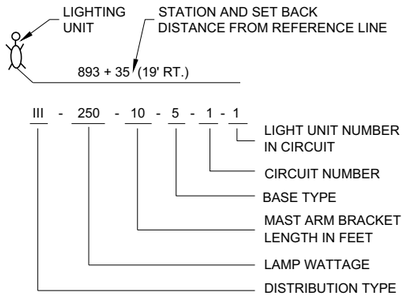
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GENERAL NOTES

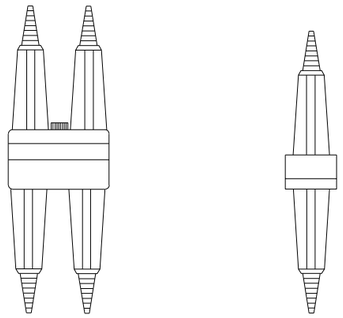
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

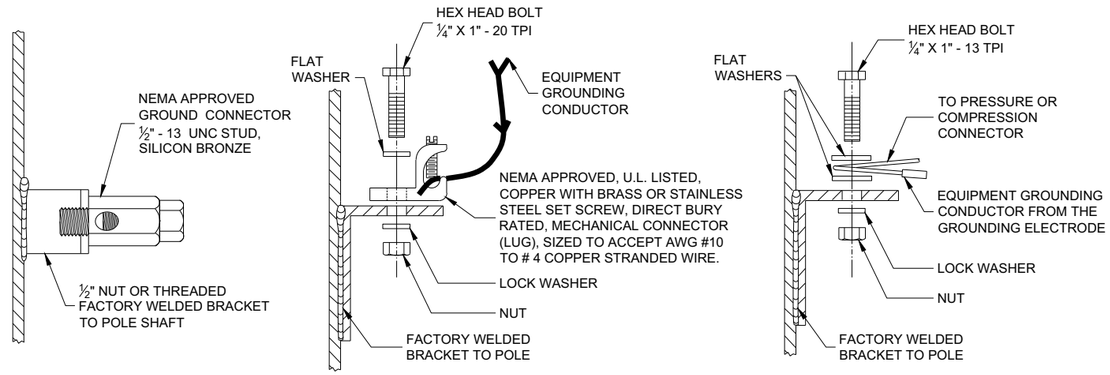


LIGHTING UNIT CODE
(TYPICAL)

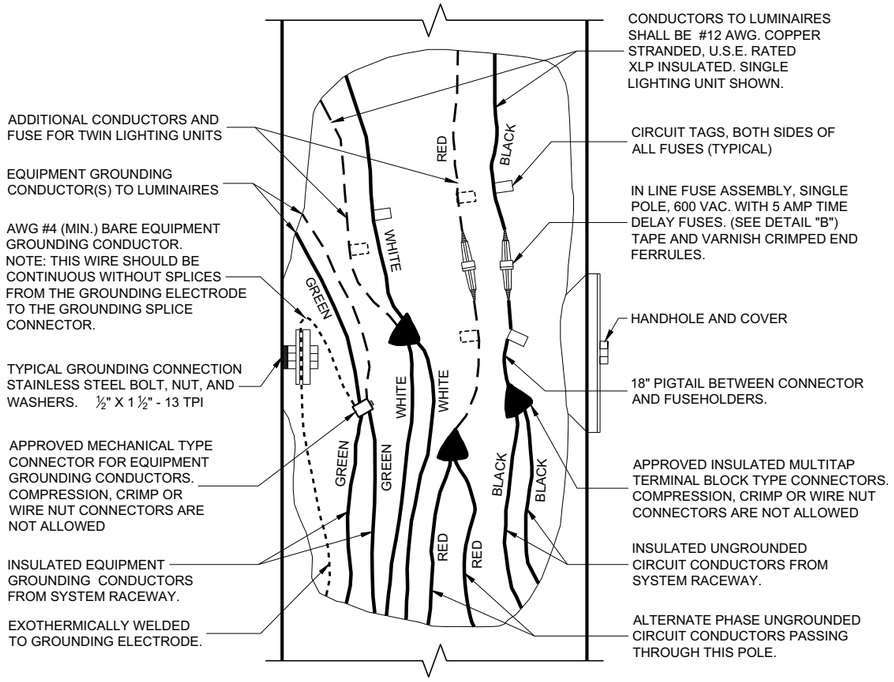


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

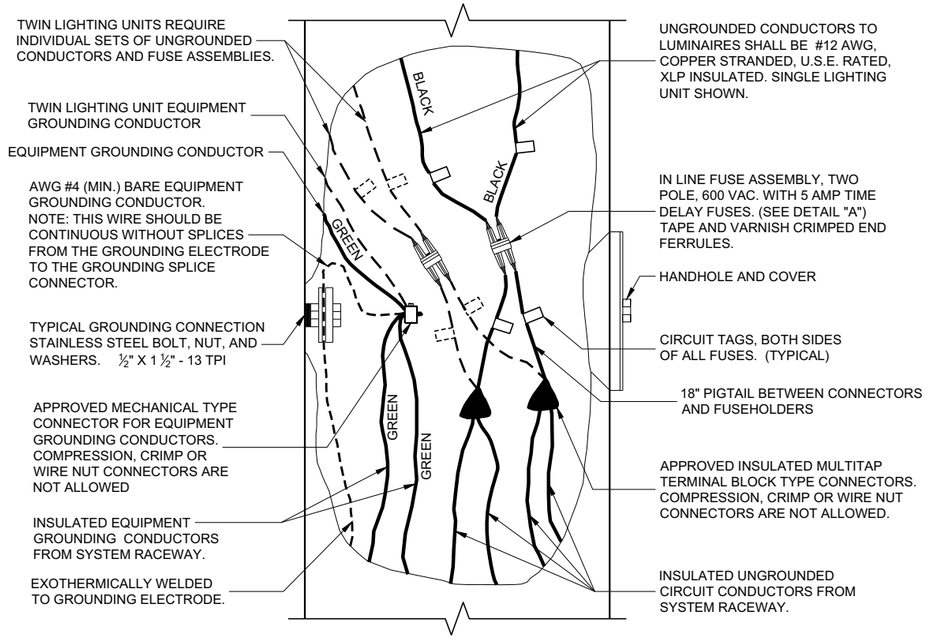
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

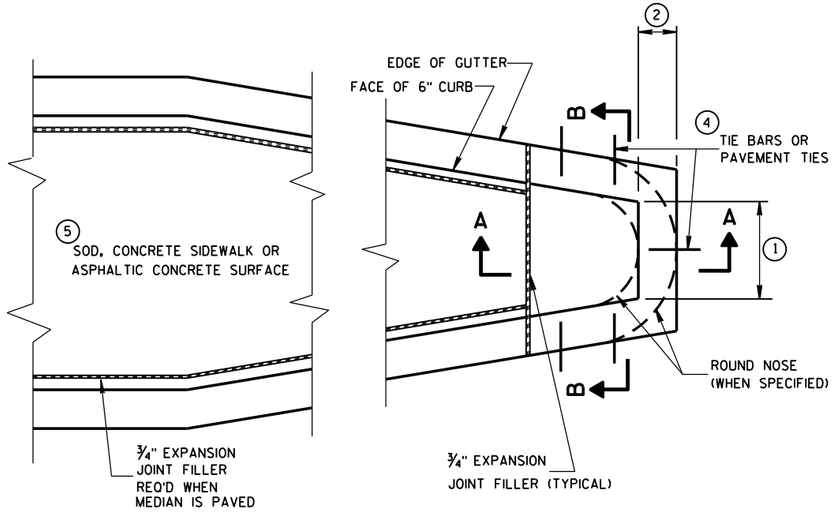
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

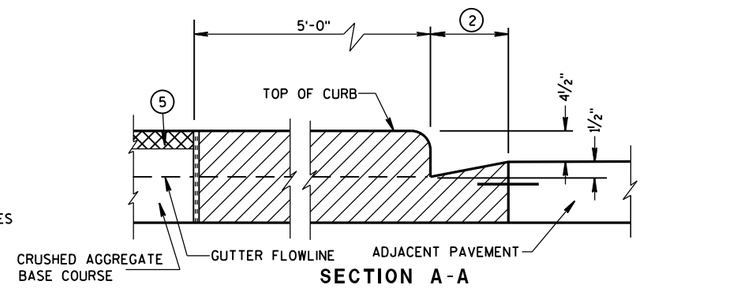
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

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SDD 09E03 - 06





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

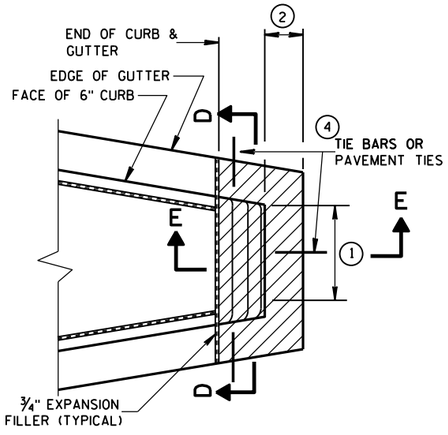
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

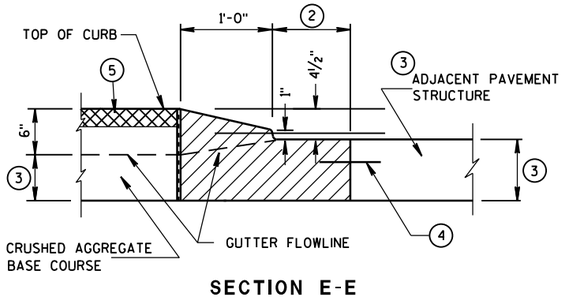
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

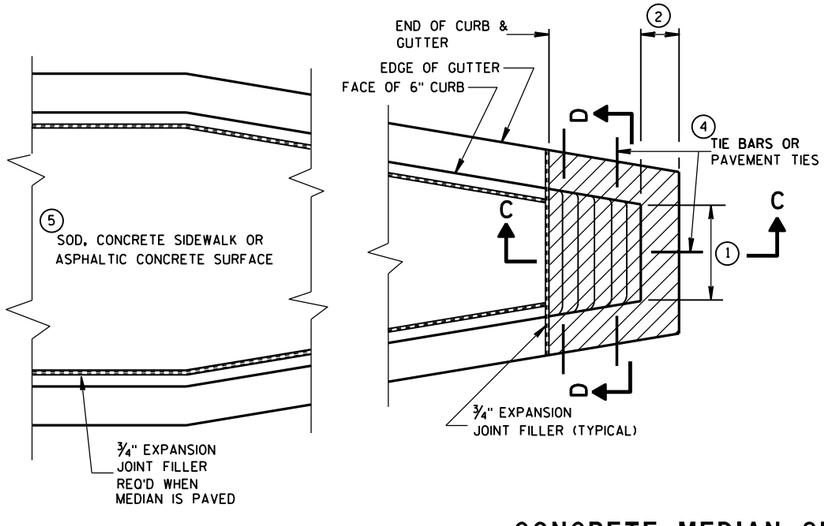
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

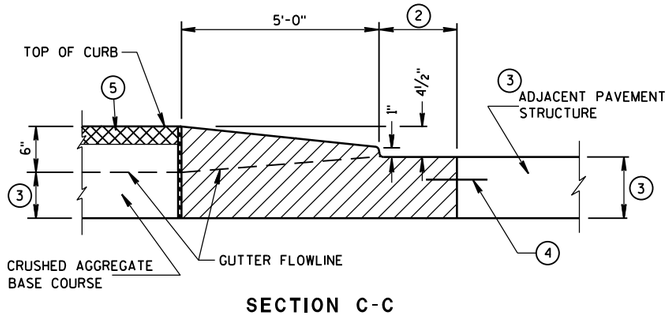




SECTION E-E

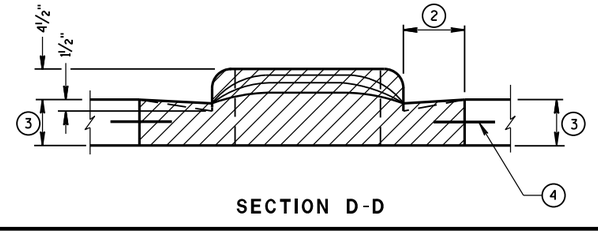
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

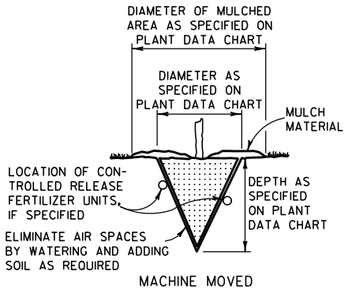
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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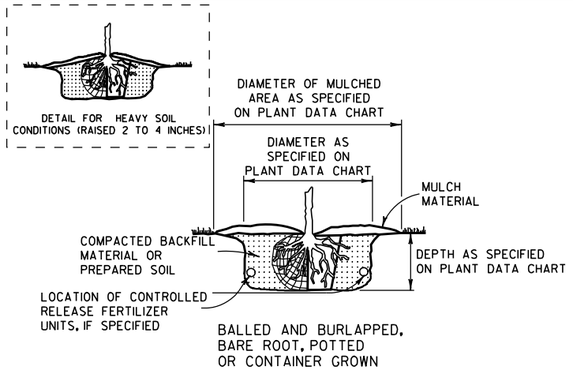
S.D.D. 11 B 2-2

6

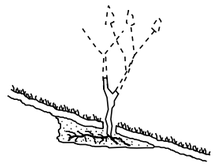
S.D.D. 11 B 2-2



MACHINE MOVED

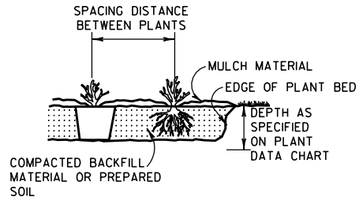


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



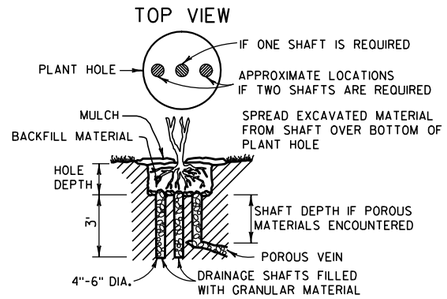
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



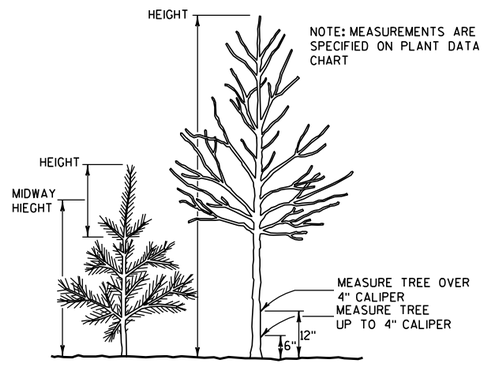
PREPARED BED (BARE ROOT AND POTTED)

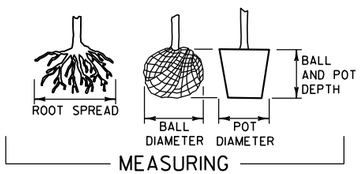
PLANTING



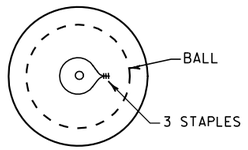
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

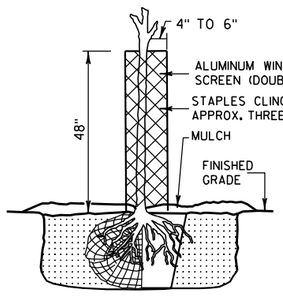




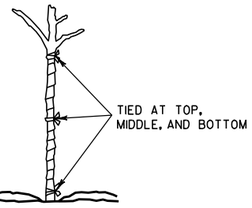
MEASURING



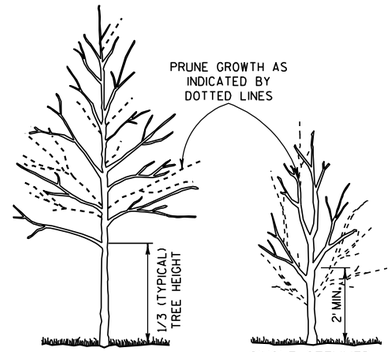
TOP VIEW



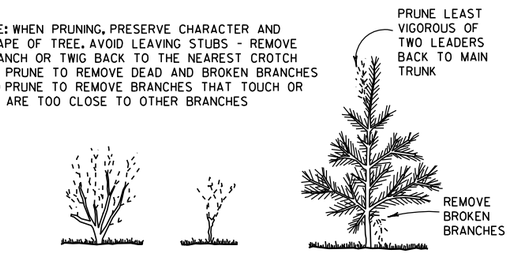
RODENT PROTECTION



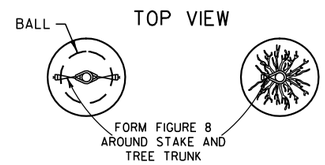
WRAPPING

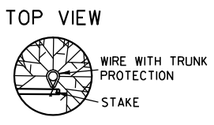


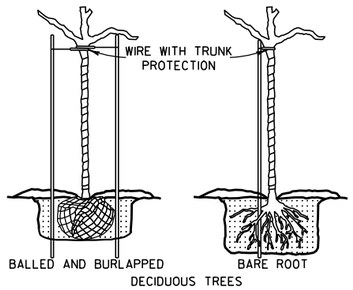
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

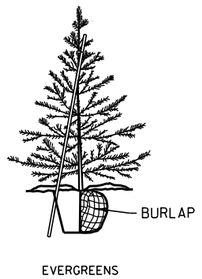


PRUNING



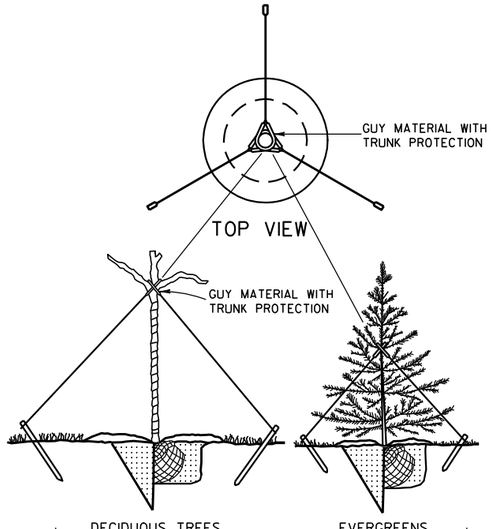




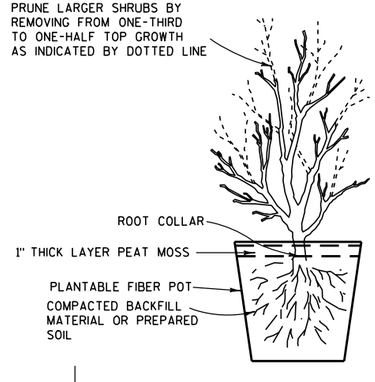


NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING



POTTING

NOTES

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

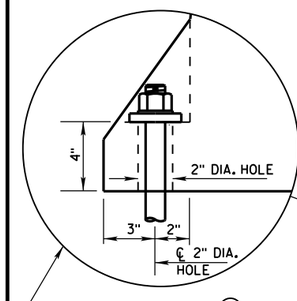
BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

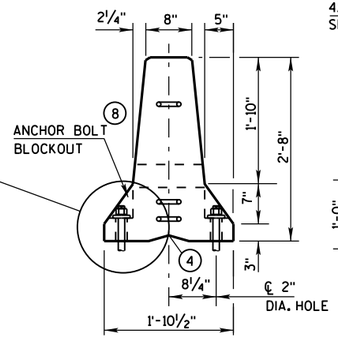
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

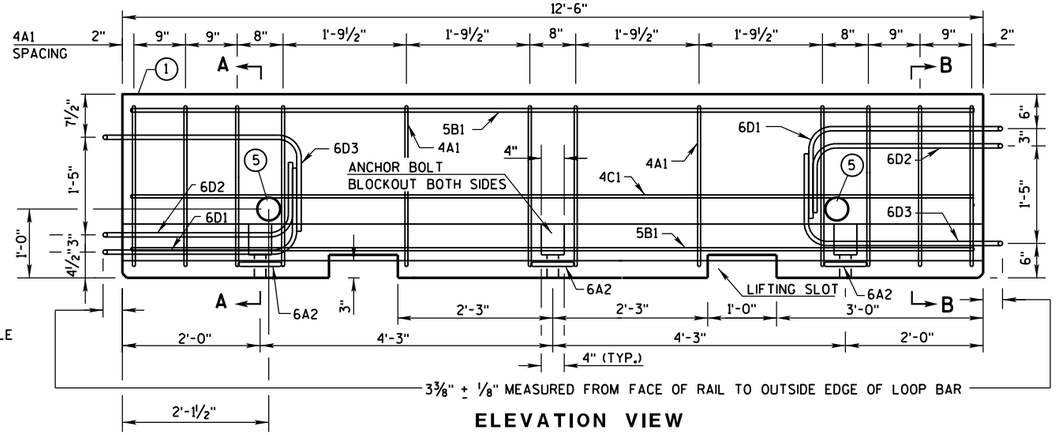
S.D.D. 14 A 2-1



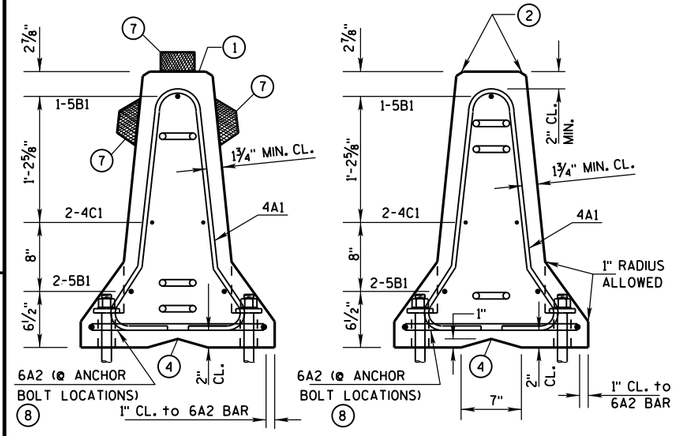
ANCHOR ON TRAFFIC SIDE (8) ONLY WHEN REQUIRED (SEE SHEET D FOR ADDITIONAL ANCHOR DETAIL)



END VIEW

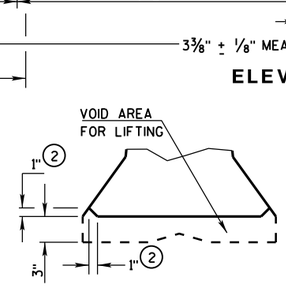


ELEVATION VIEW

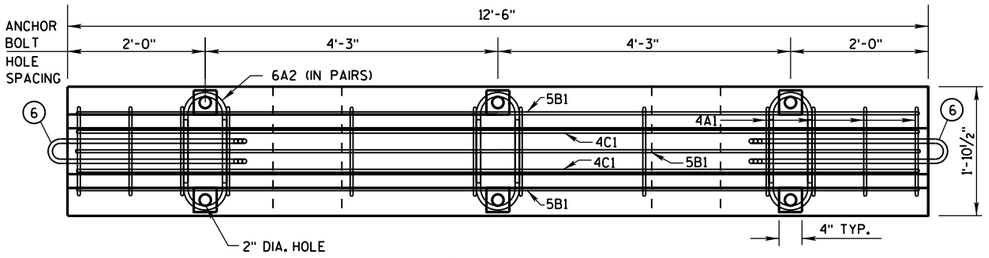


SECTION A-A
(STIRRUP PLACEMENT)

SECTION B-B
(STIRRUP PLACEMENT)

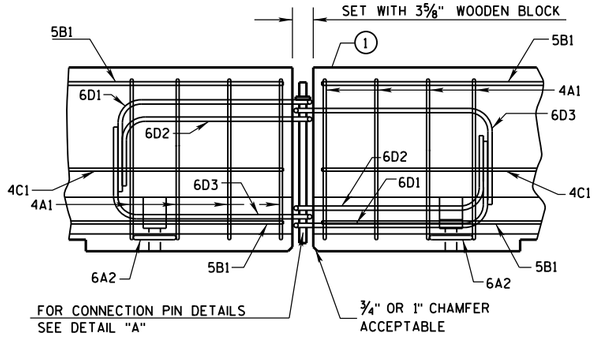


DETAIL "B"
LIFTING SLOT DETAIL

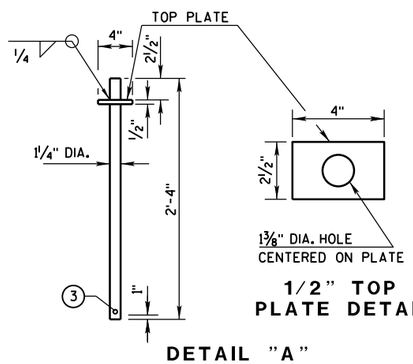


PLAN VIEW

DETAILS OF BARRIER SECTION

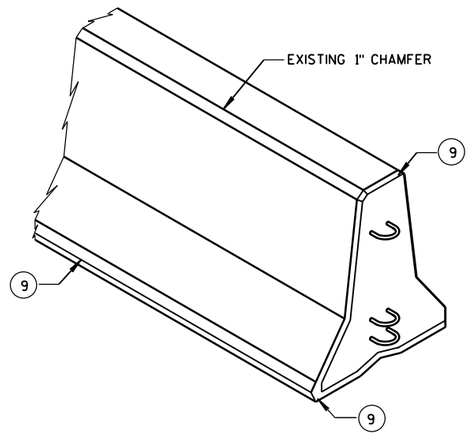


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

(9) 1" CHAMFER OPTIONAL.

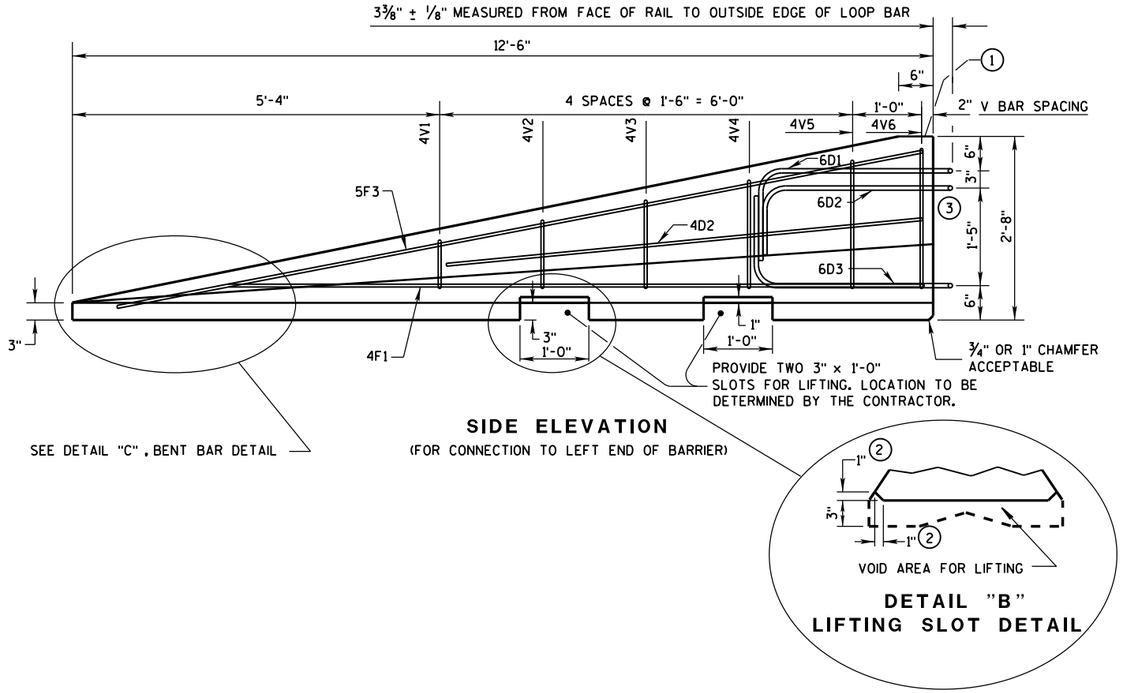
f'c = 4,000 psi

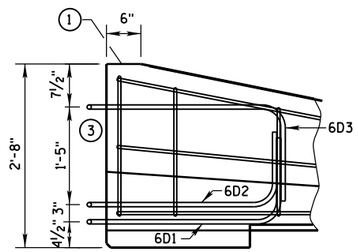
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

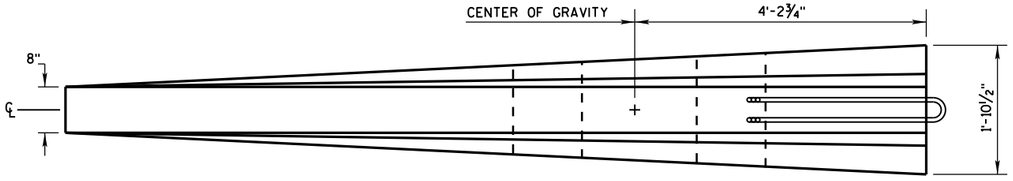
S.D.D. 14 B 7-15a

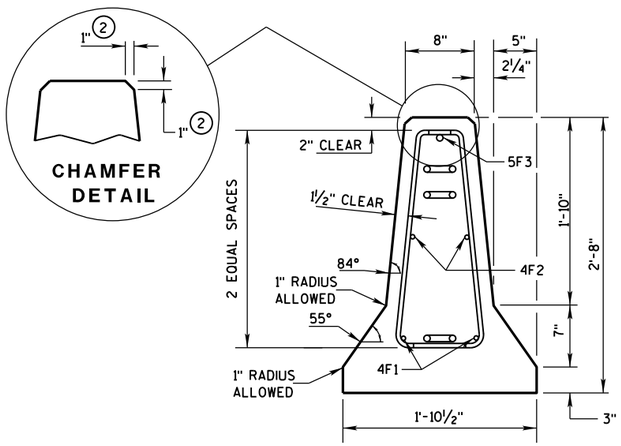


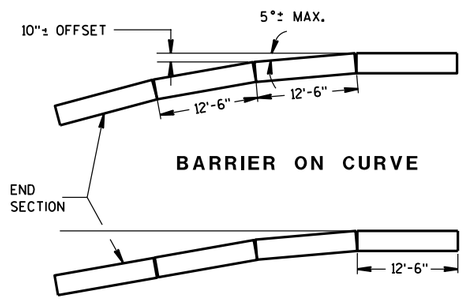


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

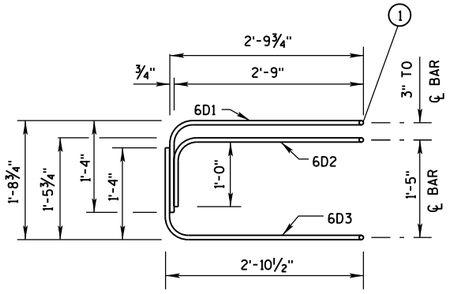
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15b

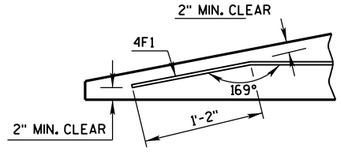
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

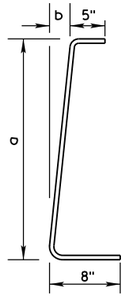
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

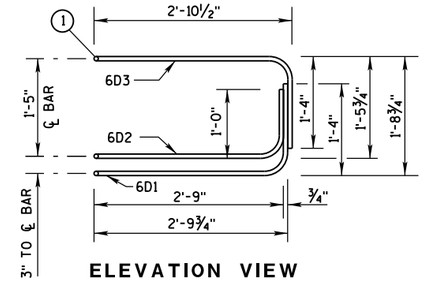
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

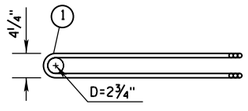
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

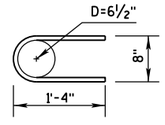
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



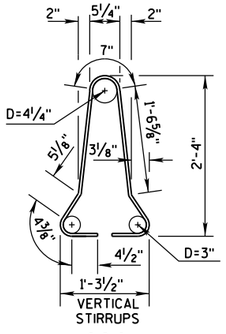
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

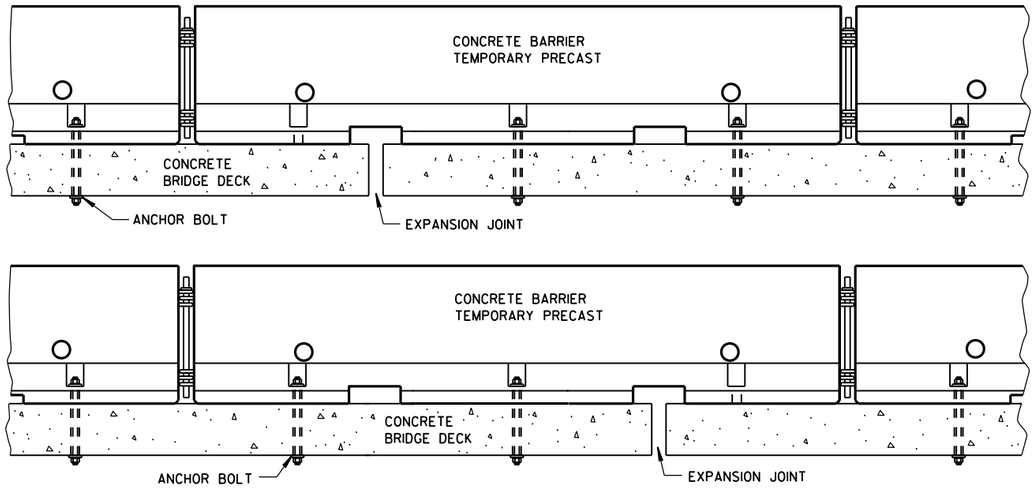
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

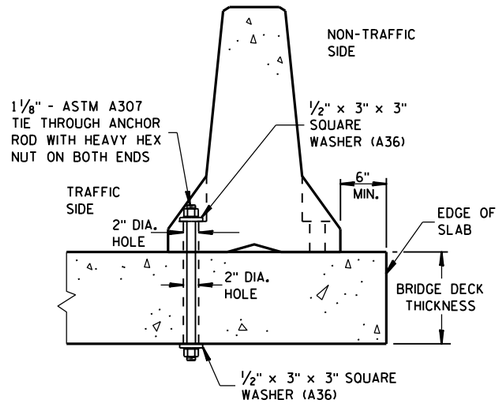
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

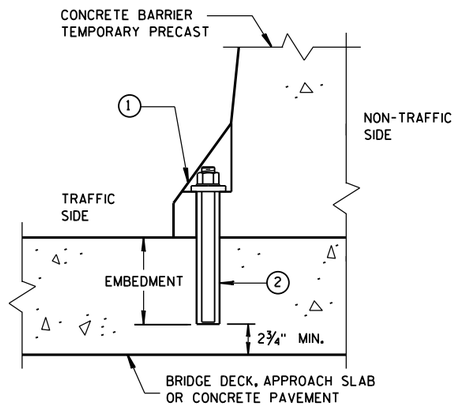
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



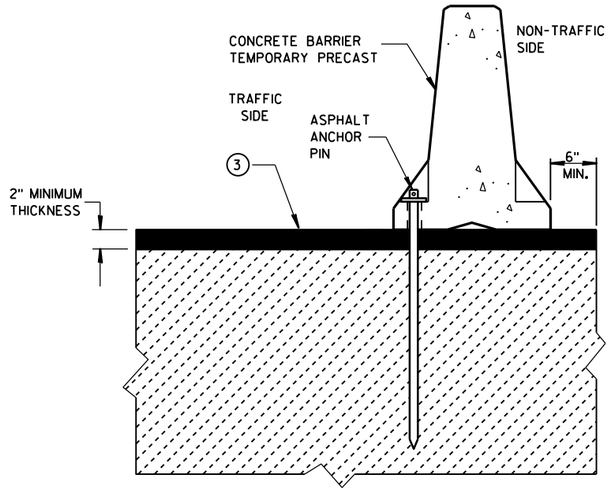
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

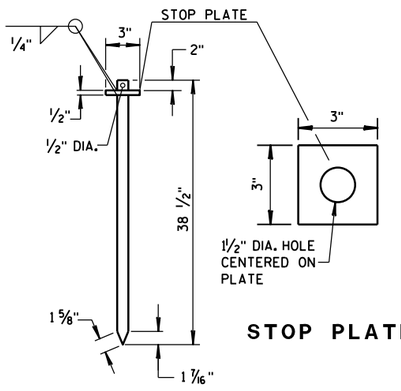


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



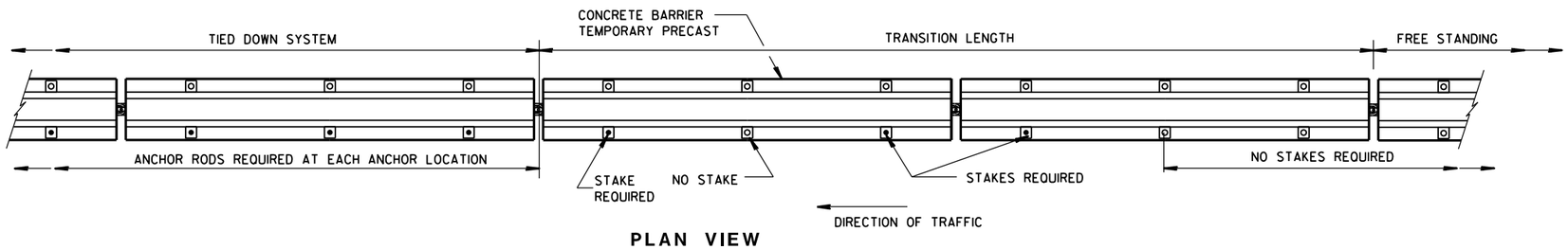
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

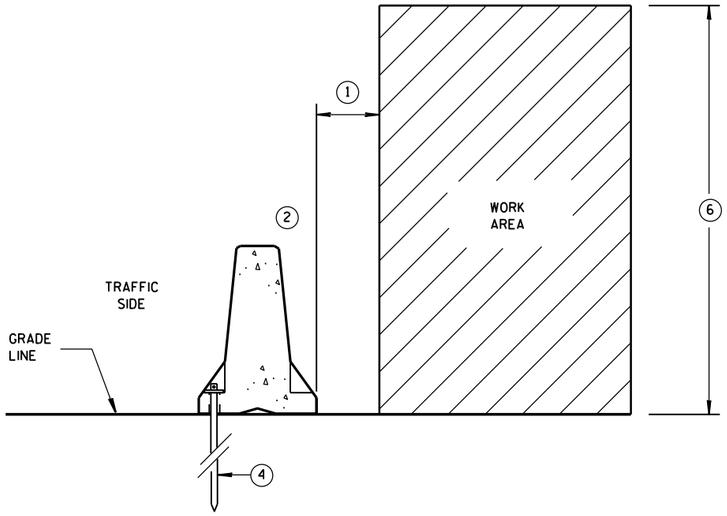
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

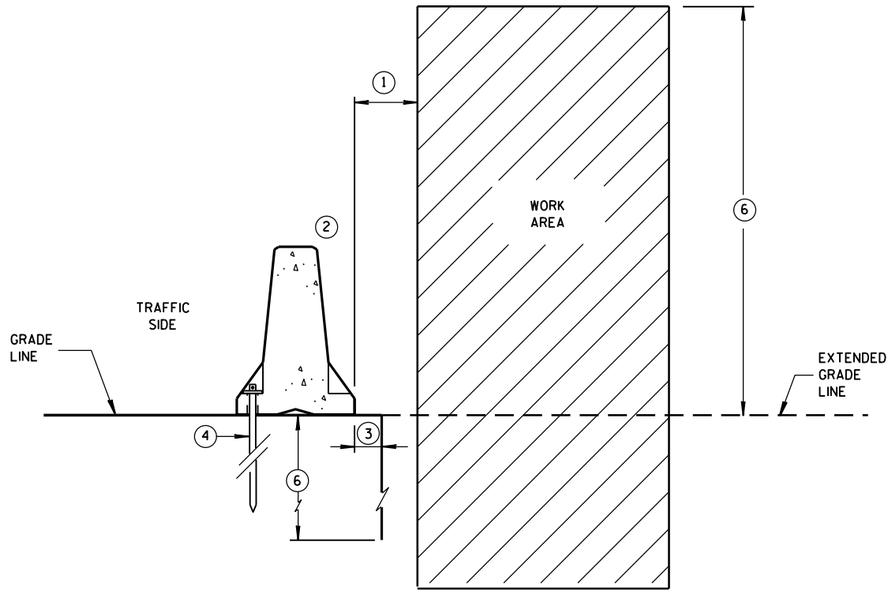
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

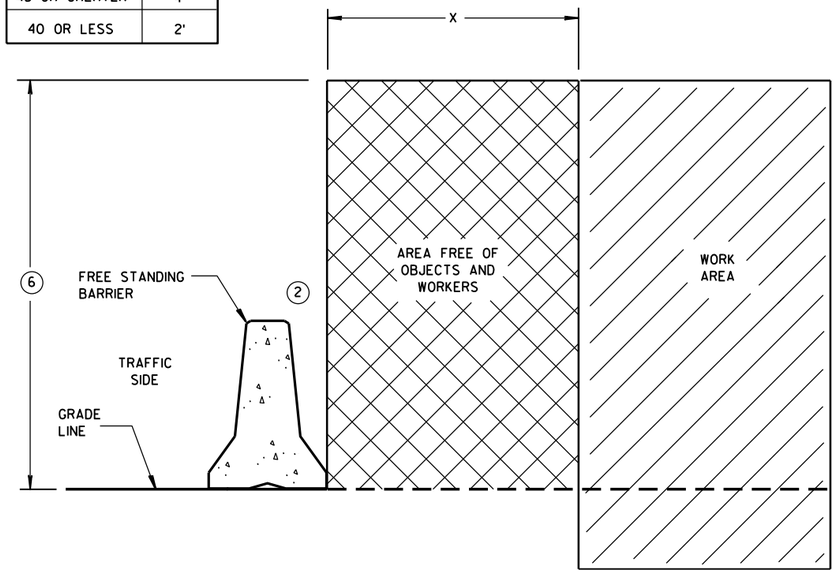


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

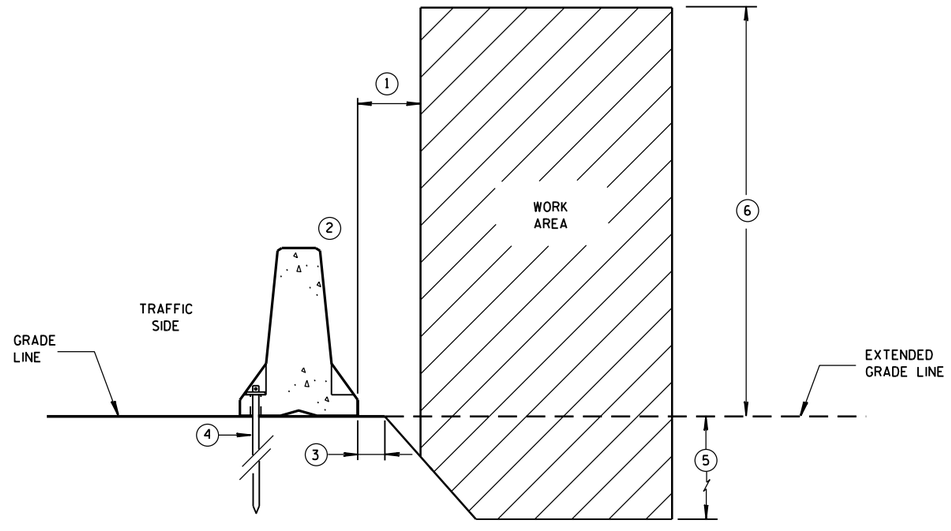
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



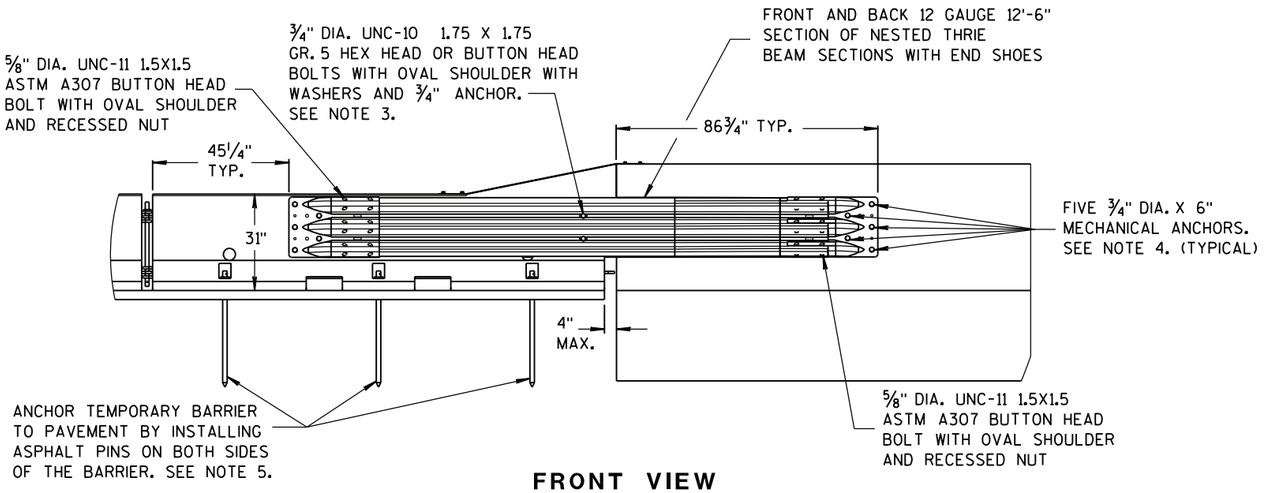
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

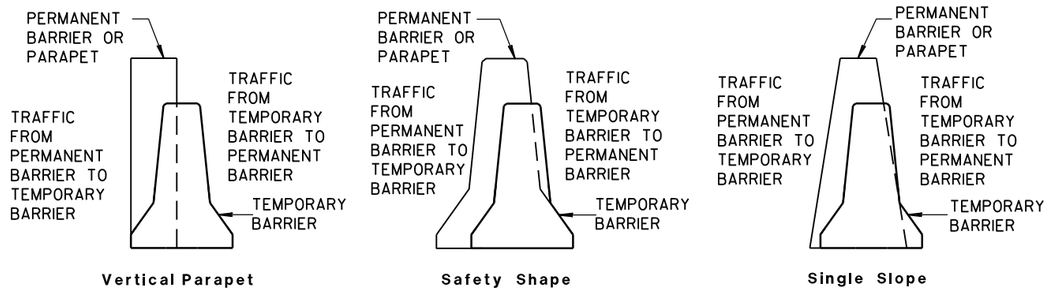
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-15e



FRONT VIEW

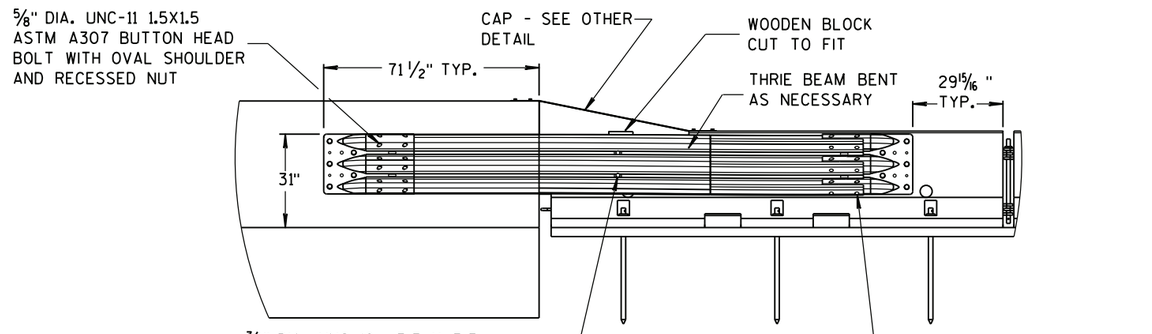


TEMPORARY BARRIER PLACEMENT FOR TRANSITION TO TIED DOWN SYSTEM

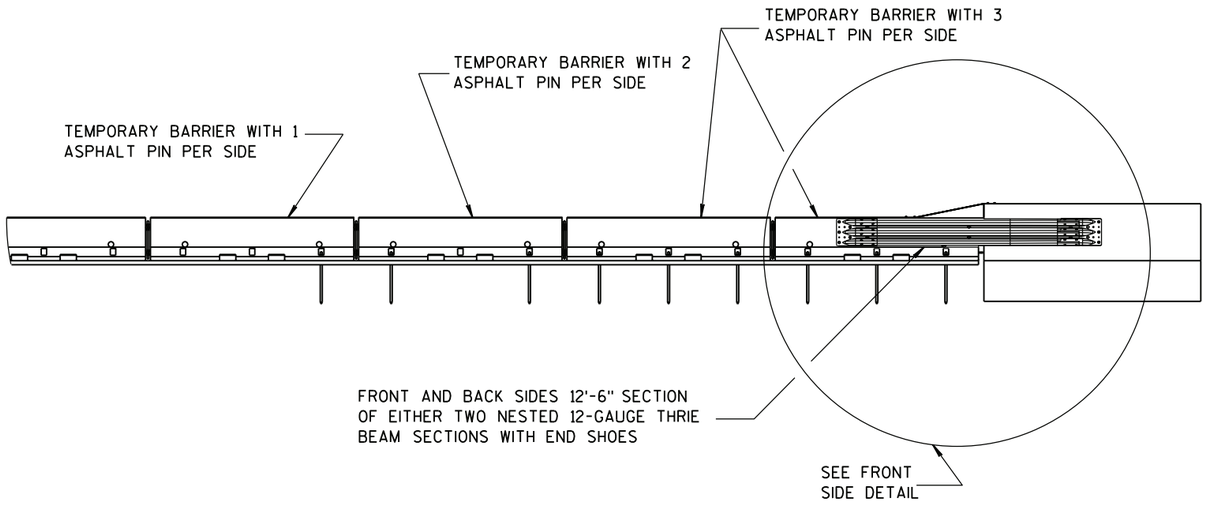
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

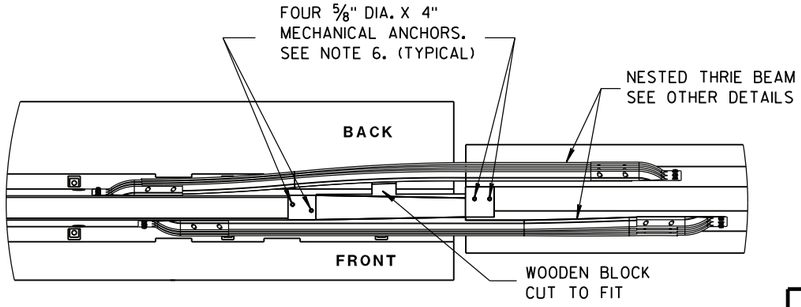
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



BACK VIEW



FRONT VIEW



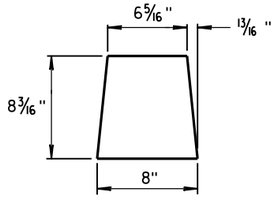
PLAN VIEW

TRANSITION TO TIED DOWN SYSTEM

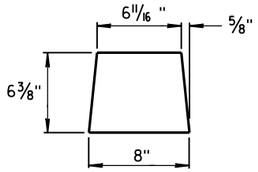
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

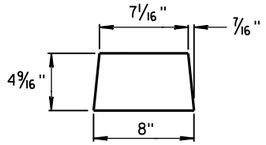
6
S.D.D. 14 B 7-15f



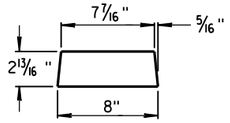
GUSSET 1



GUSSET 2

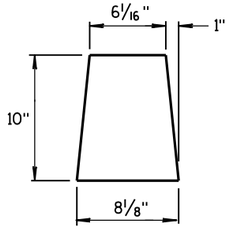


GUSSET 3

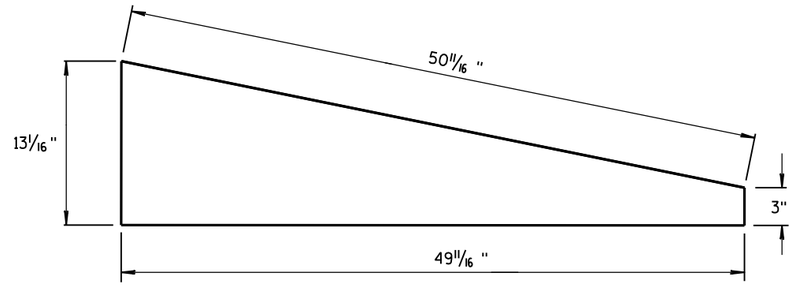


GUSSET 4

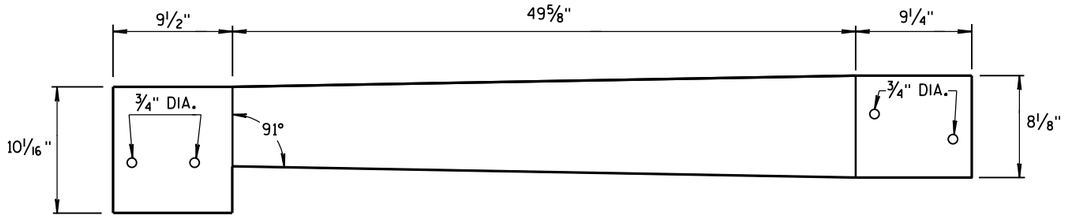
GUSSETS

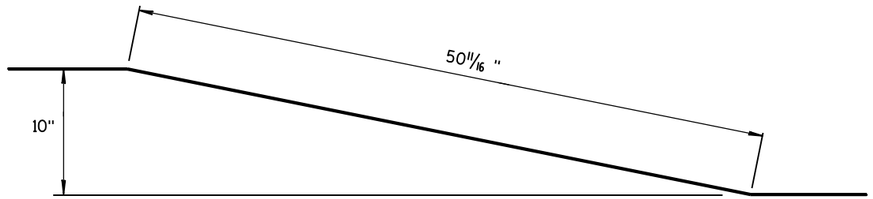


END PLATE



SIDE PLATE

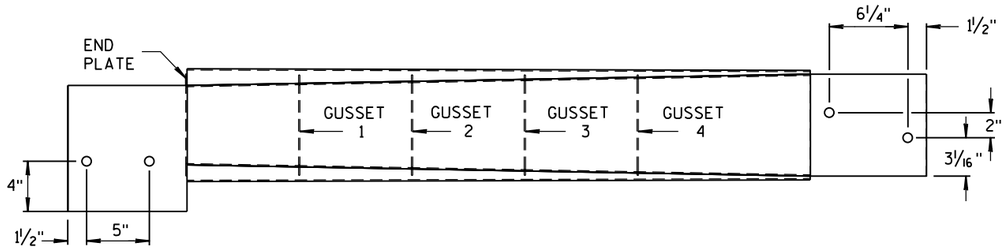


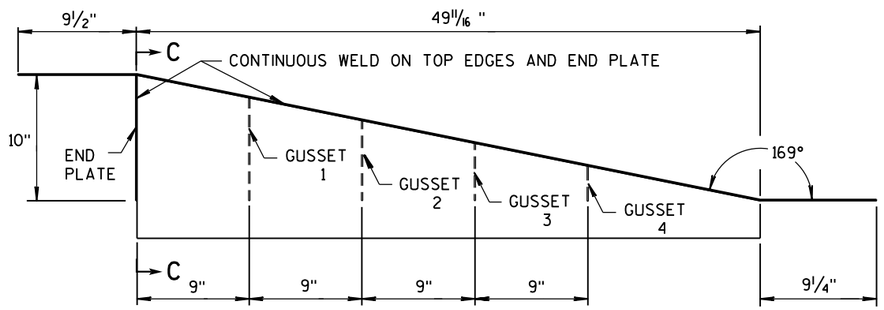


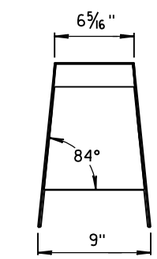
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

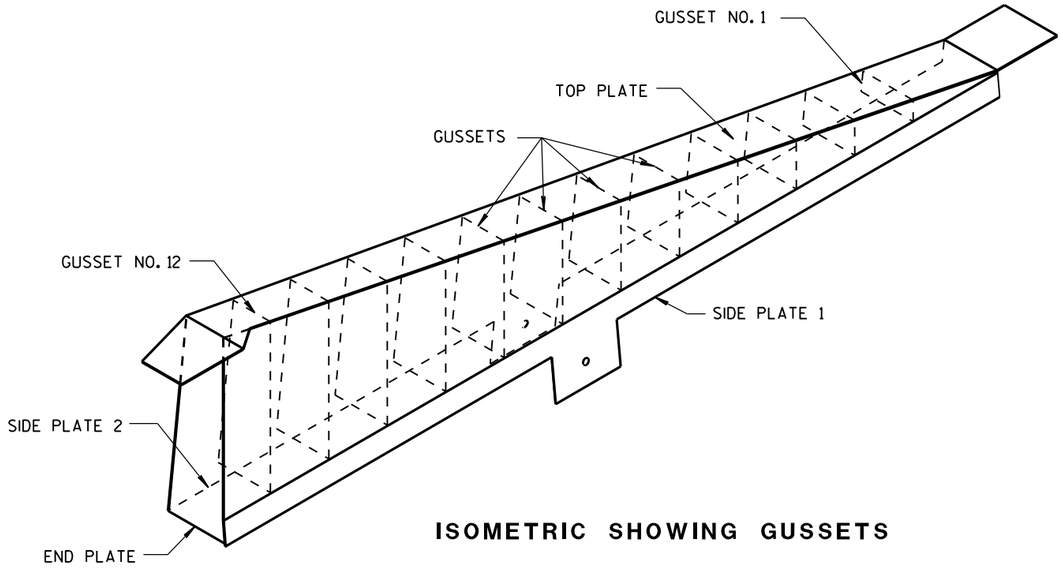
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

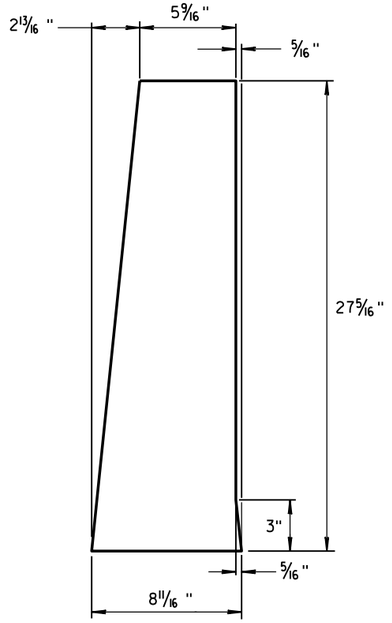
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15g

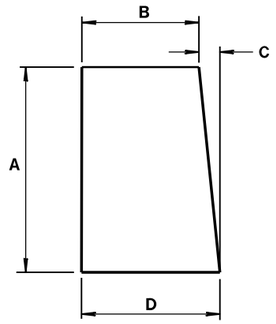


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



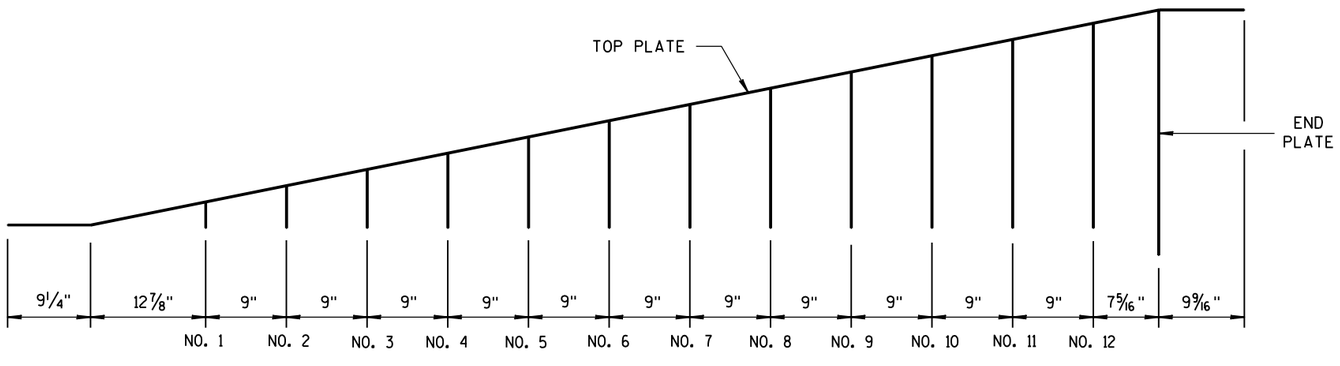
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



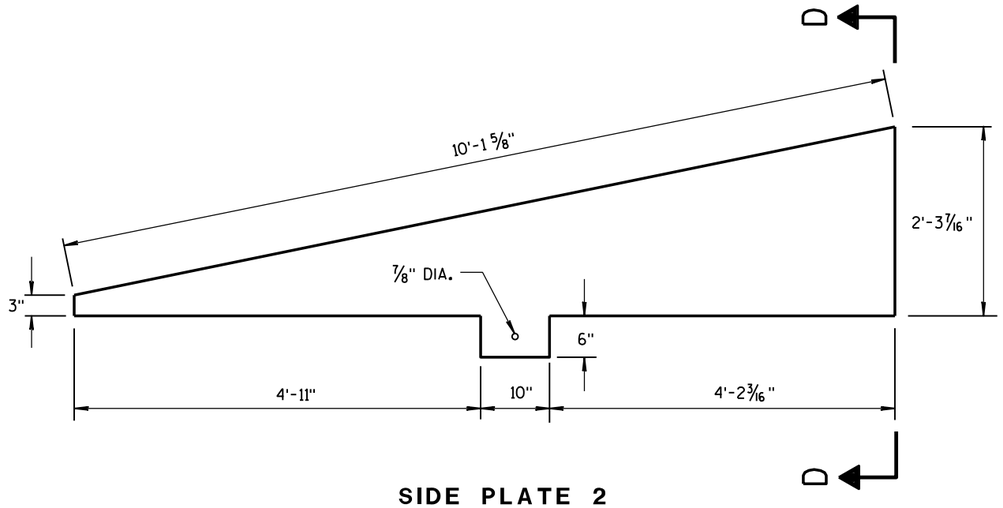
GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

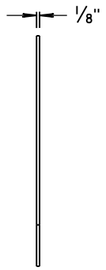
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

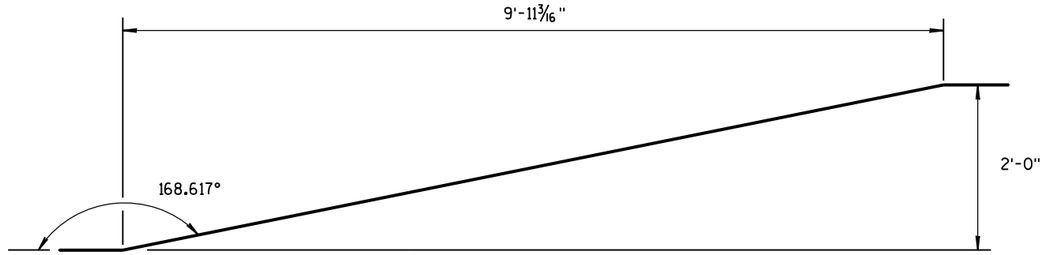
6
S.D.D. 14 B 7-15h



SIDE PLATE 2

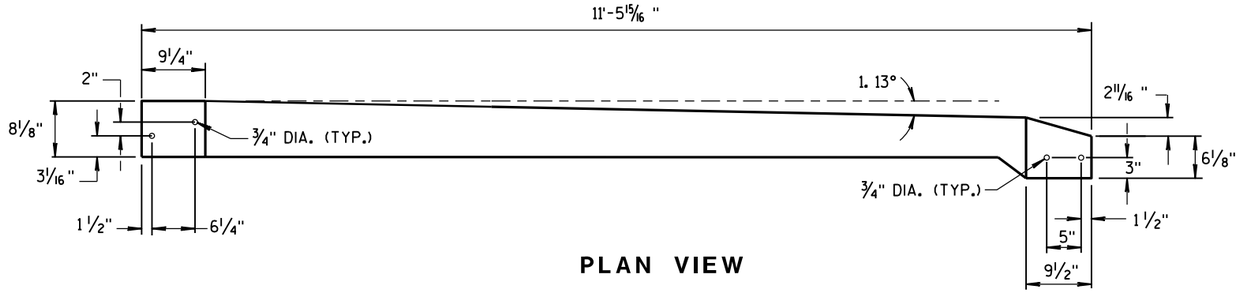


END VIEW



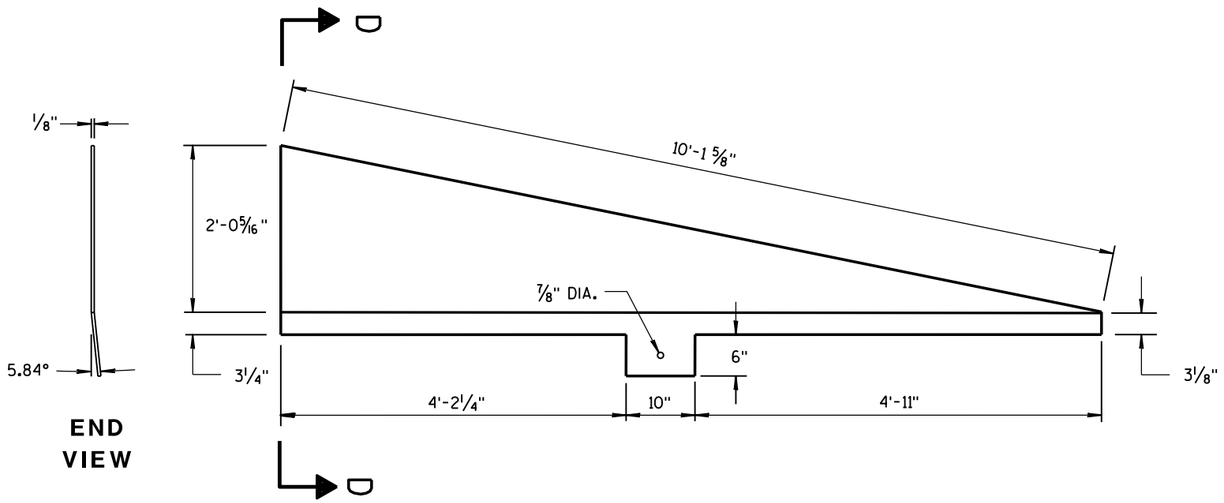
SIDE VIEW

TOP PLATE



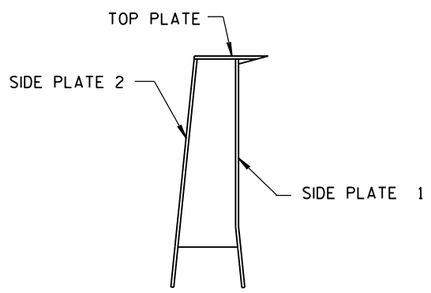
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

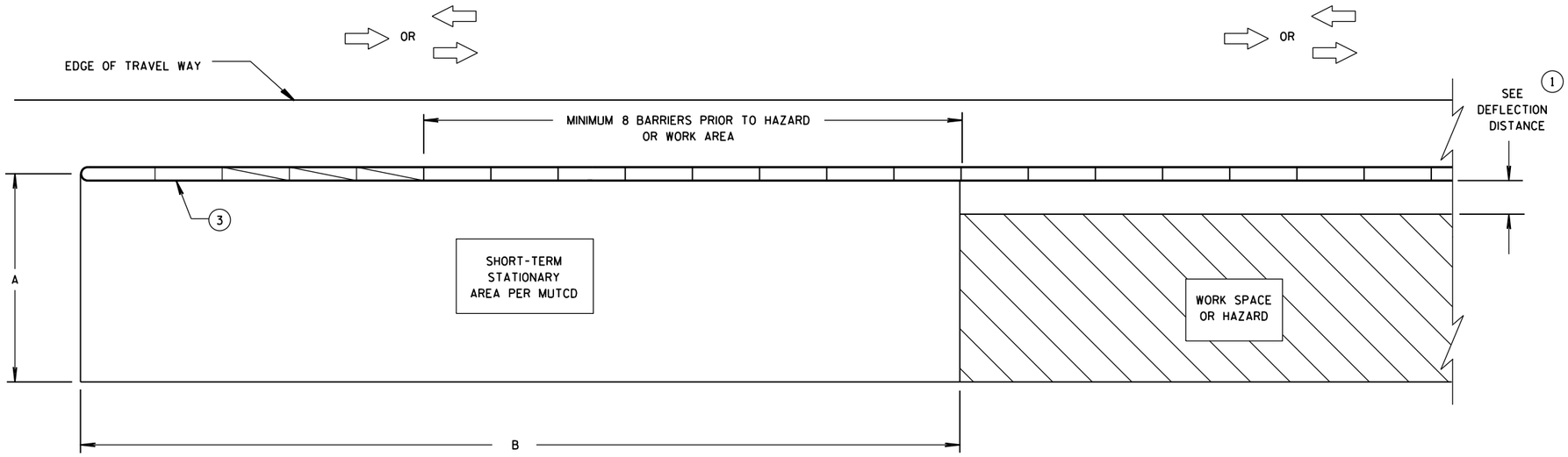
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S.D.D. 14 B 7-15i

6

S.D.D. 14 B 7-15i



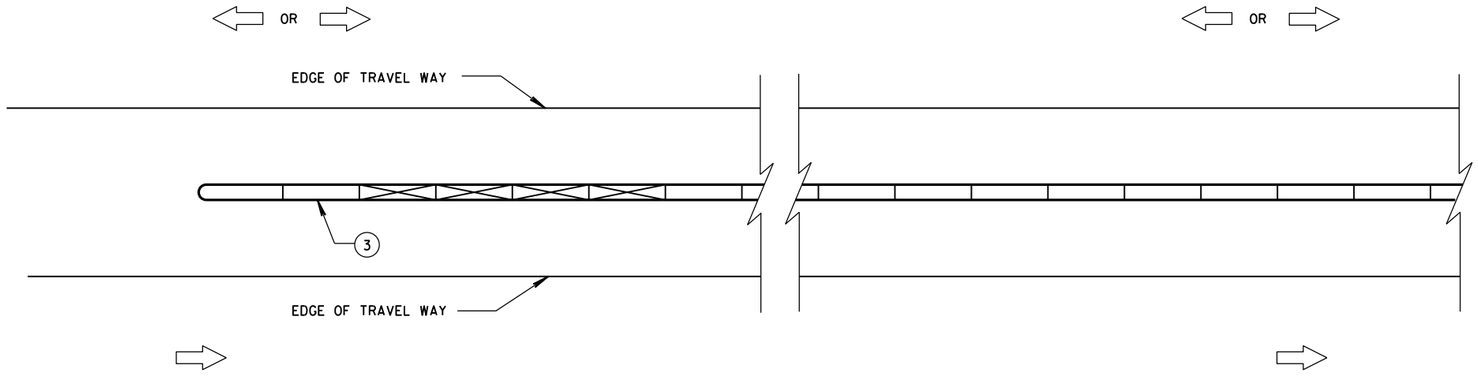
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

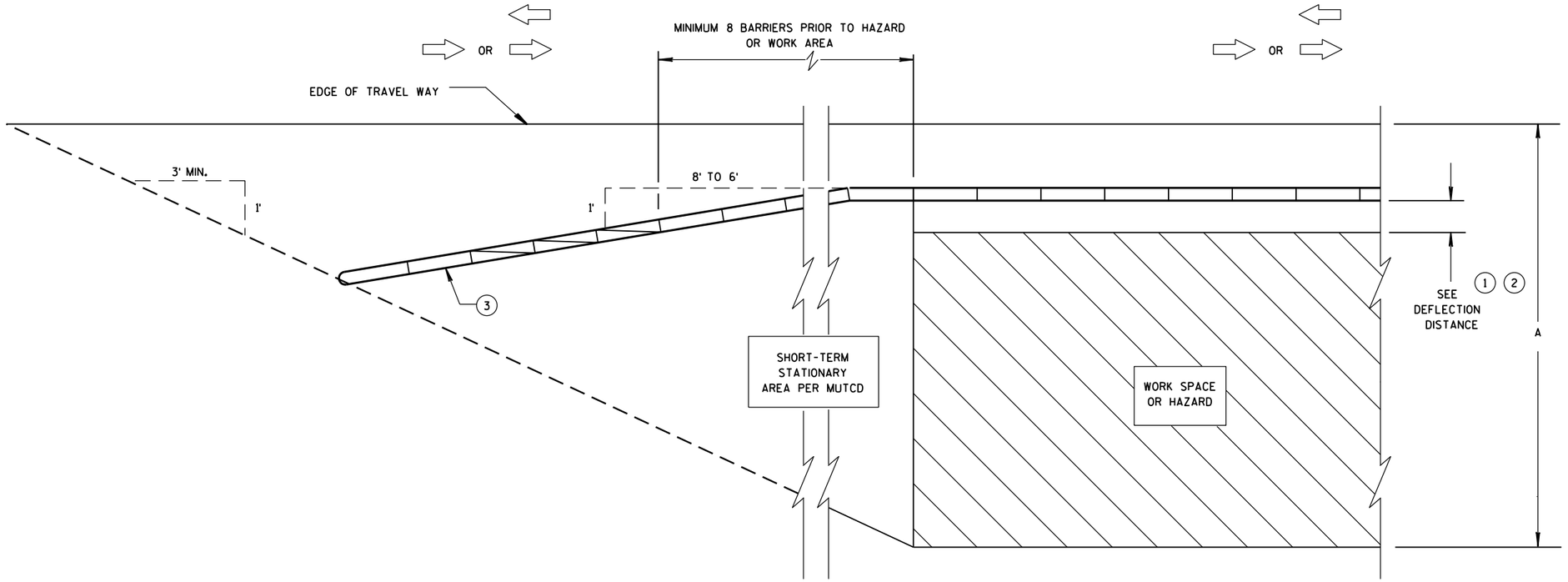
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

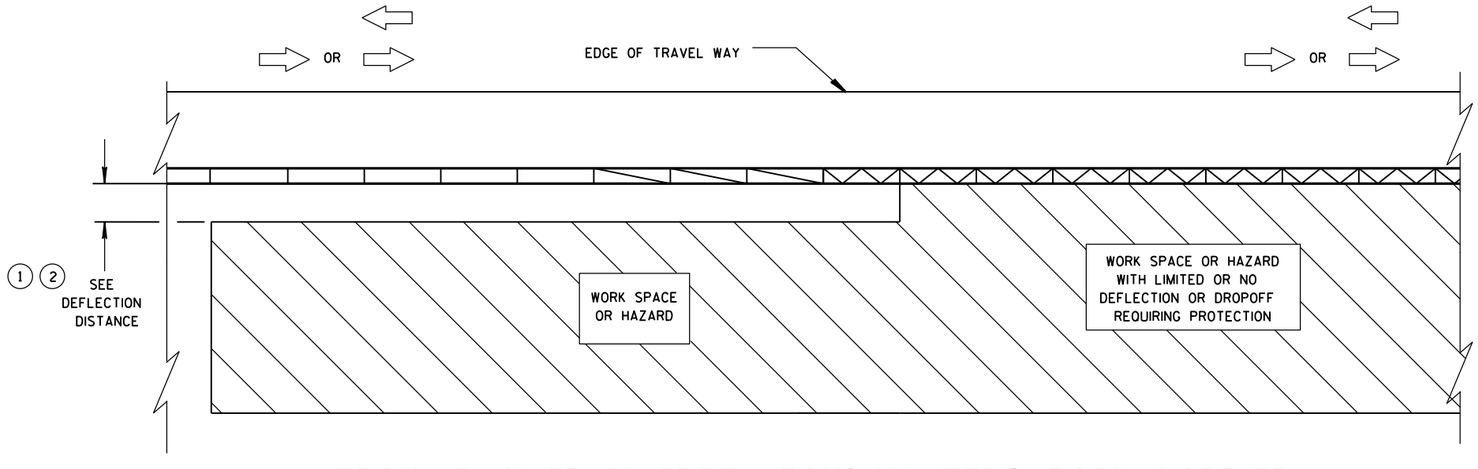
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

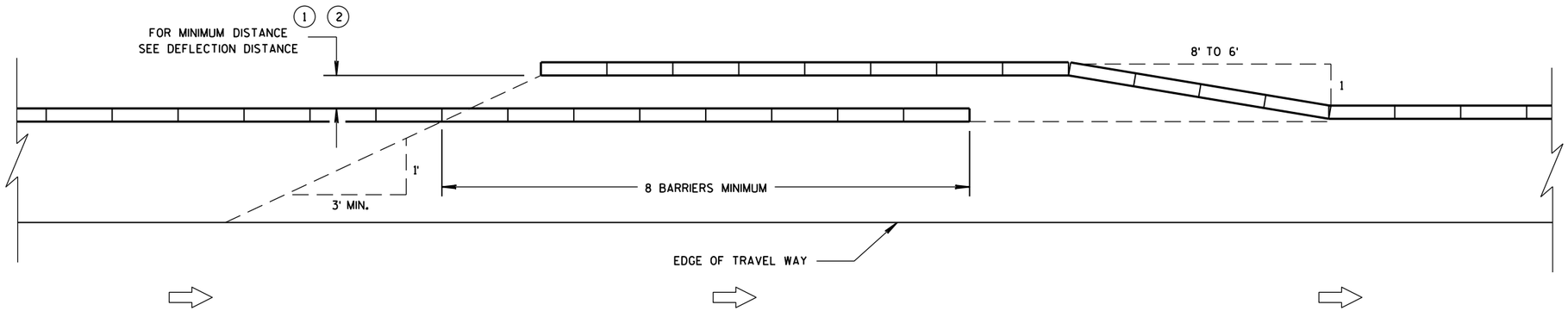
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

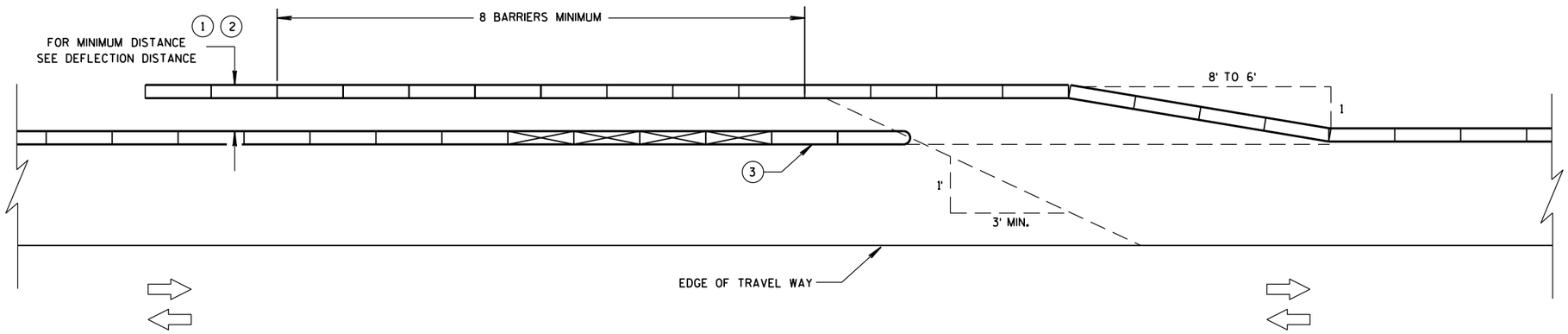
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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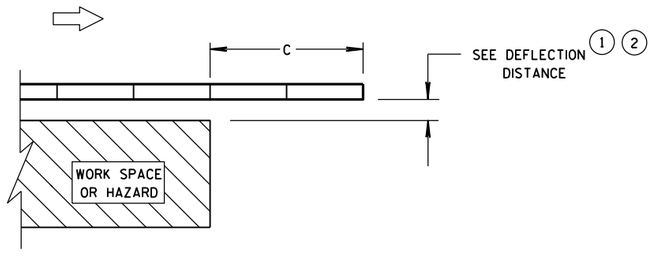
S.D.D. 14 B 8-2b



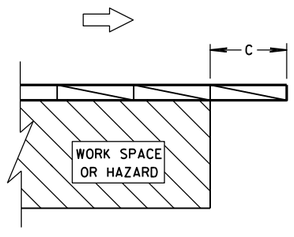
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

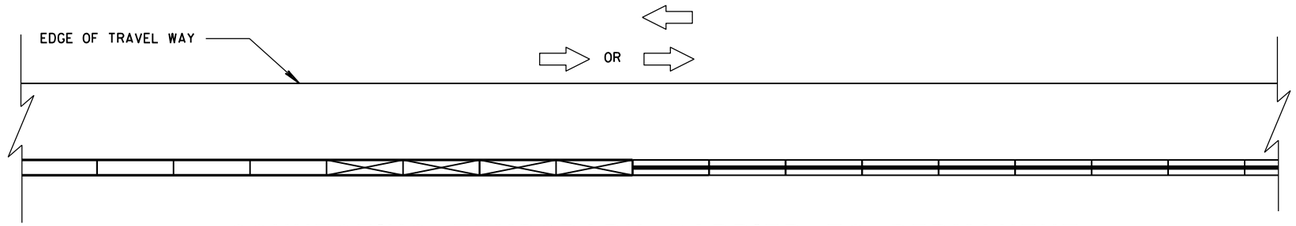
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

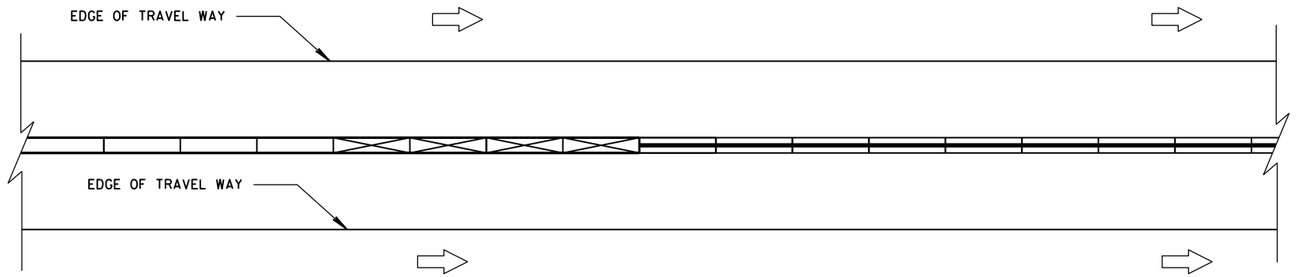
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



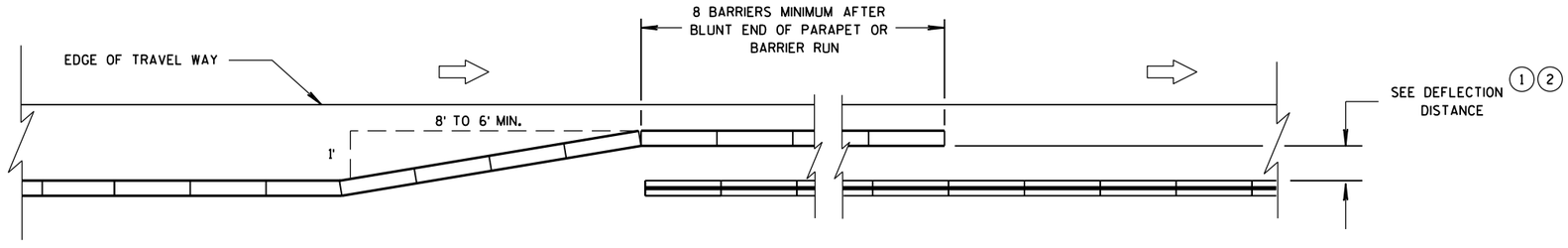
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



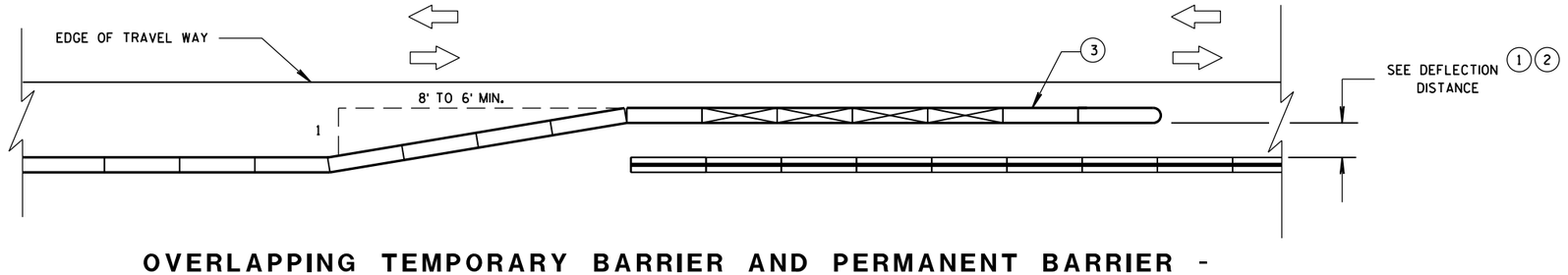
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

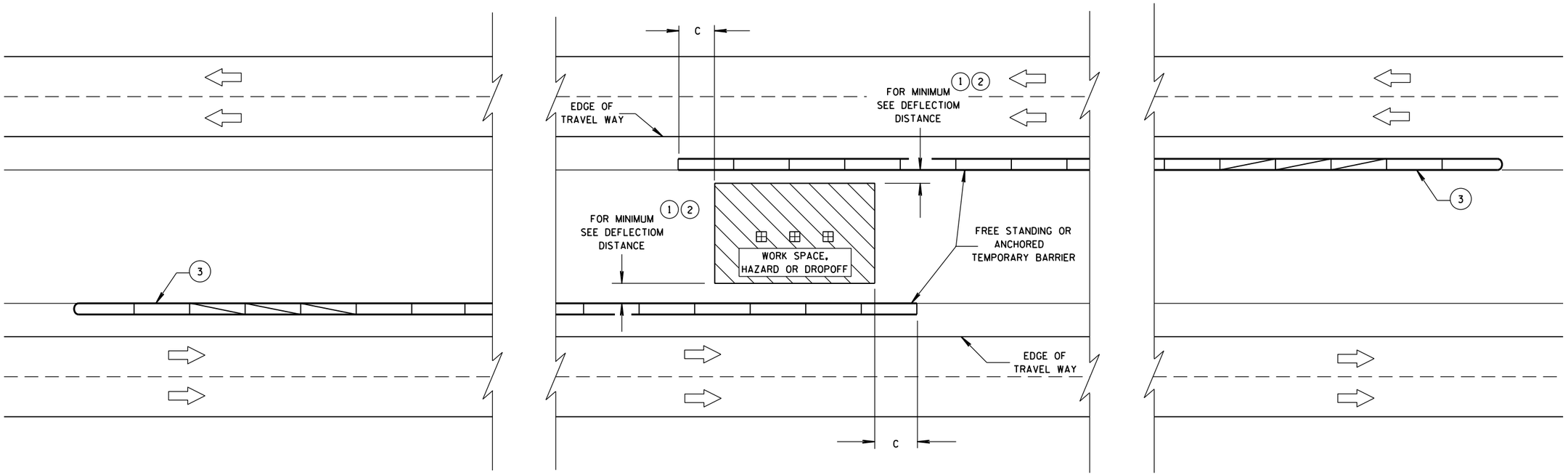
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



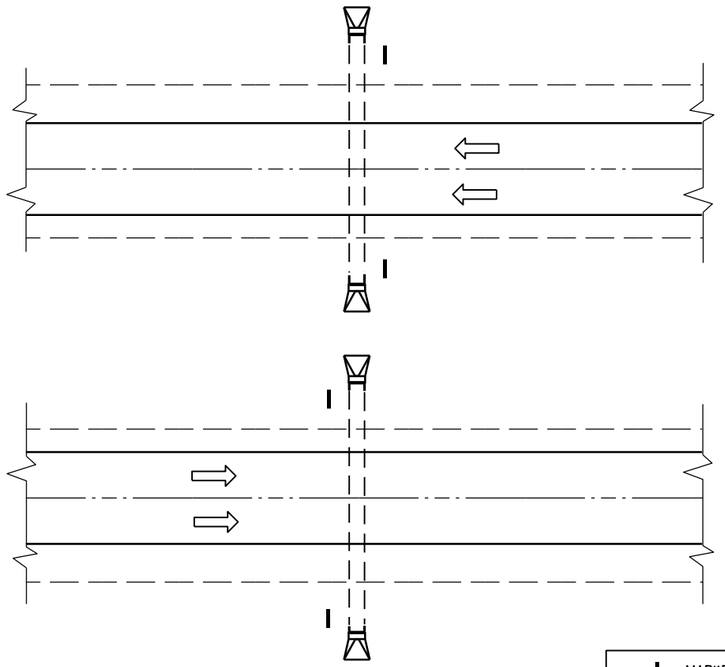
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
FHWA

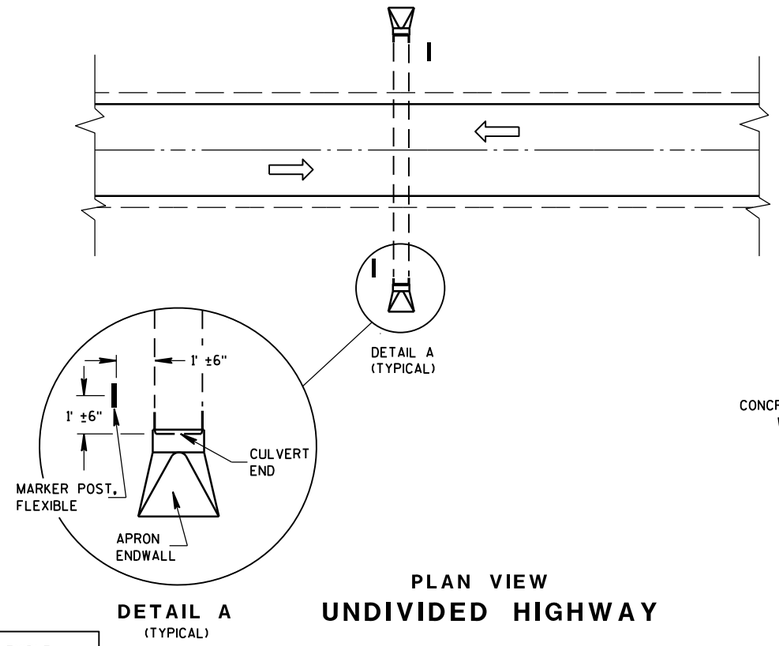
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S.D.D. 14 B 8-2e



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

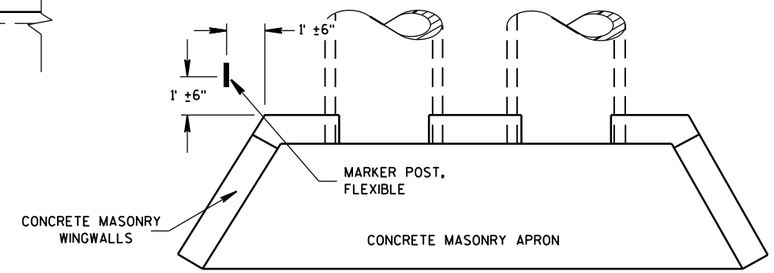
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

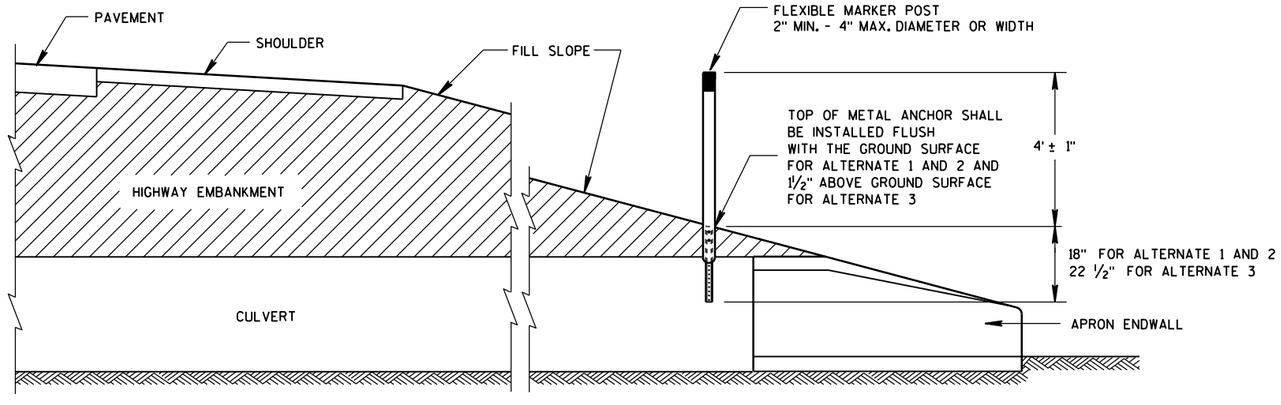
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

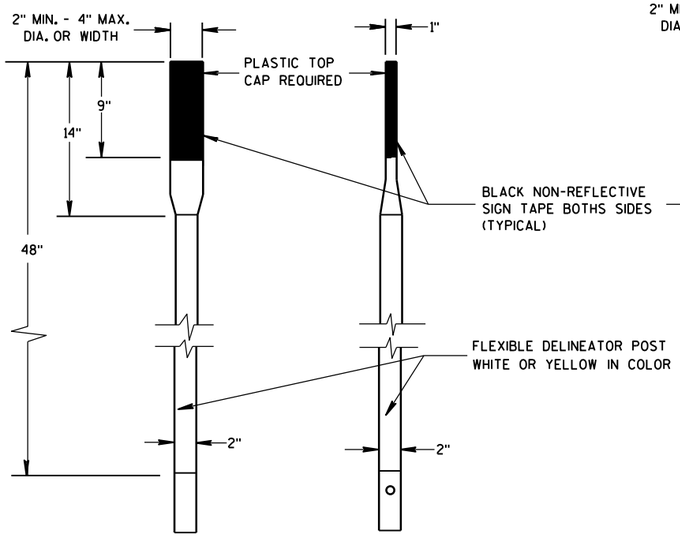
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

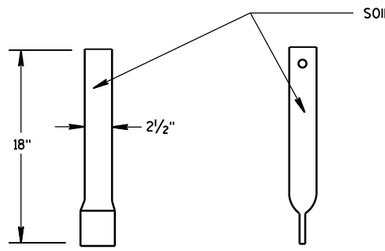
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S.D.D. 15 A 3-2a

6

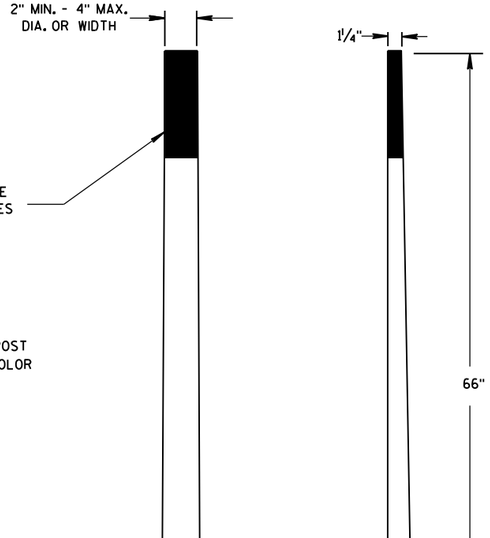
S.D.D. 15 A 3-2a





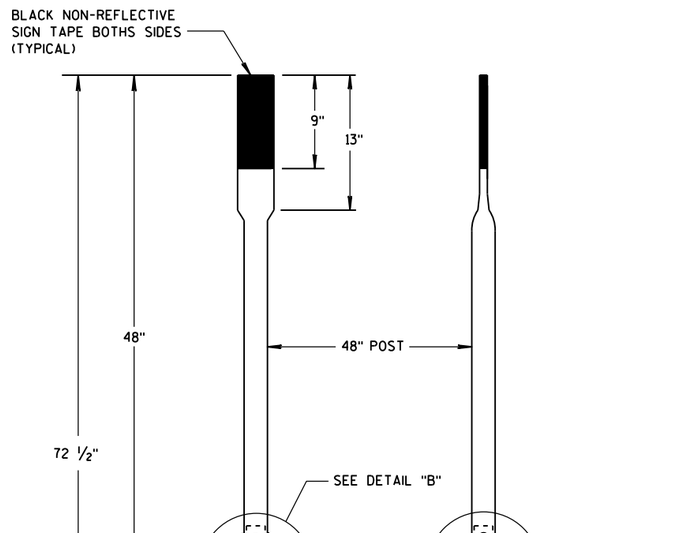
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

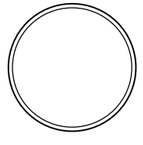
ALTERNATE 2



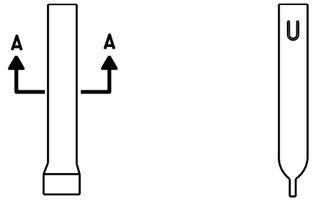
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

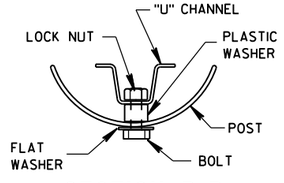


SECTION A-A

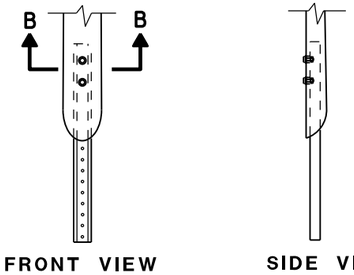


FRONT VIEW SIDE VIEW

ALTERNATE 1

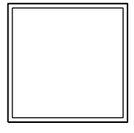


SECTION B-B

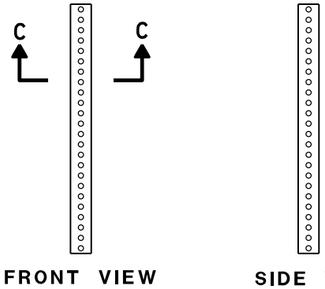


FRONT VIEW SIDE VIEW

ALTERNATE 2



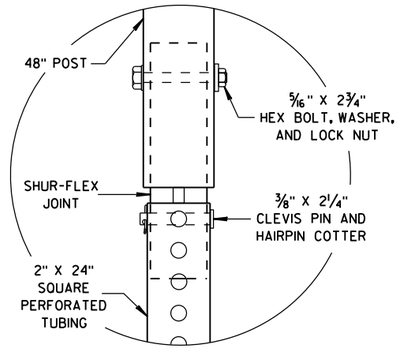
SECTION C-C



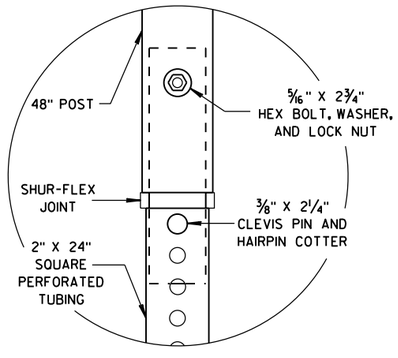
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

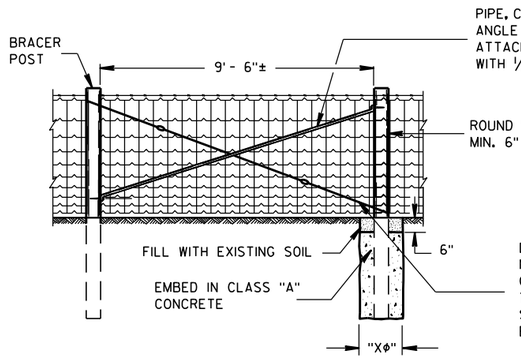
S.D.D. 15 A 3-2b

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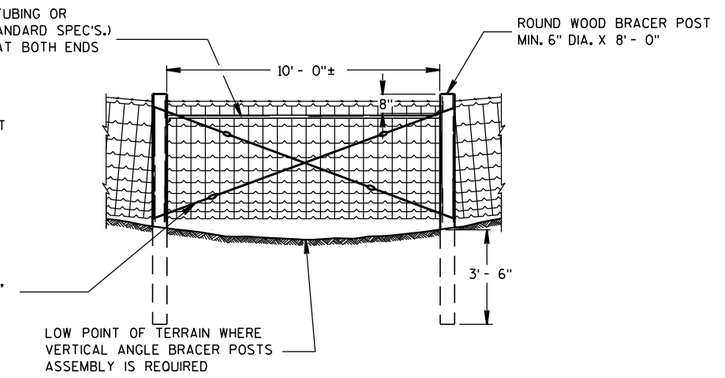
S.D.D. 15 A 3-2b

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

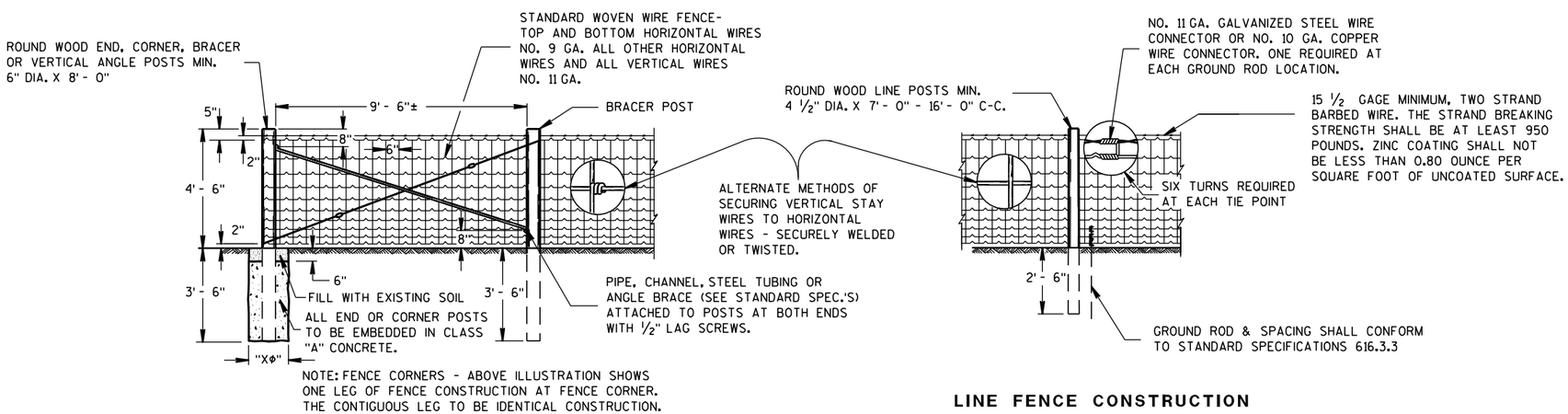
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.

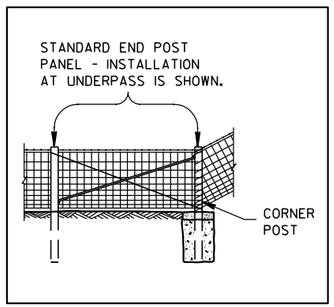


NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

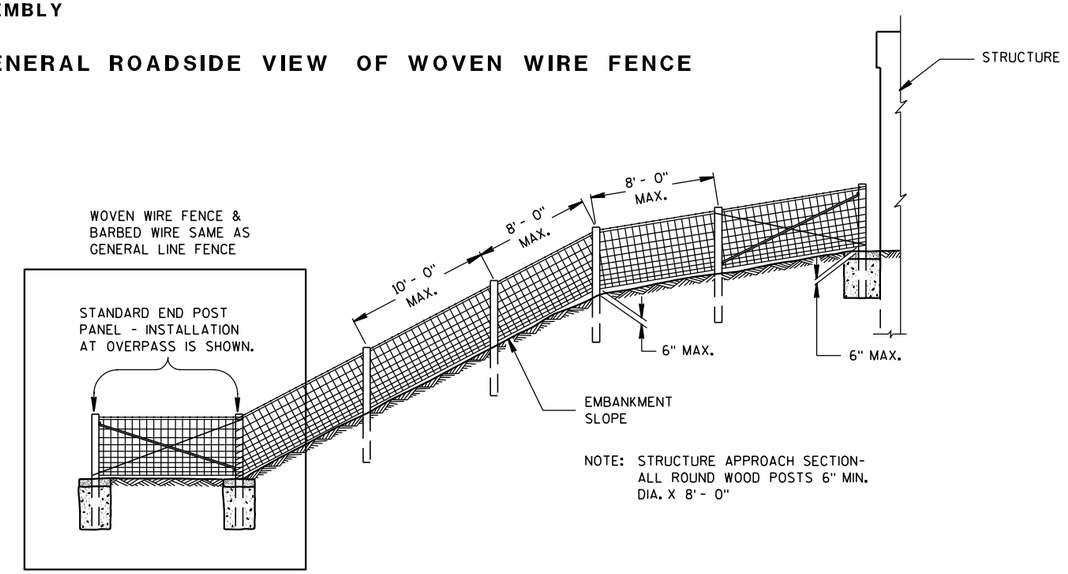
END OR CORNER POSTS ASSEMBLY

LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

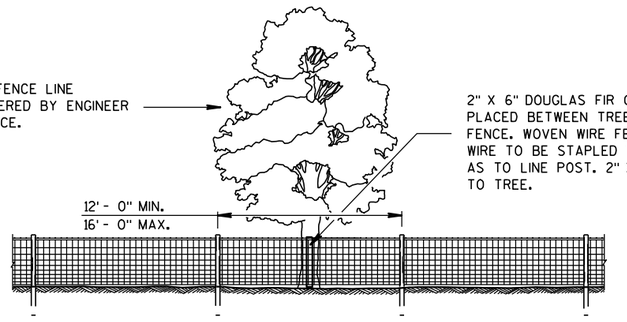
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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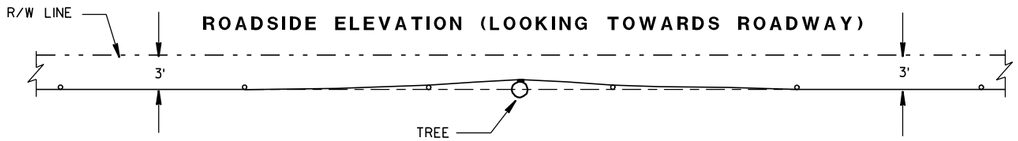
S.D.D. 15 B 1-8a

NOTE: TREE IN NORMAL FENCE LINE SPECIFICALLY ORDERED BY ENGINEER TO REMAIN IN PLACE.

2" X 6" DOUGLAS FIR OR SO. YELLOW PINE PLACED BETWEEN TREE AND WOVEN WIRE FENCE. WOVEN WIRE FENCE AND BARBED WIRE TO BE STAPLED TO 2" X 6" LIKE AS TO LINE POST. 2" X 6" NOT FASTENED TO TREE.

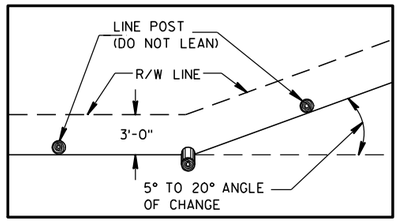


ROADSIDE ELEVATION (LOOKING TOWARDS ROADWAY)

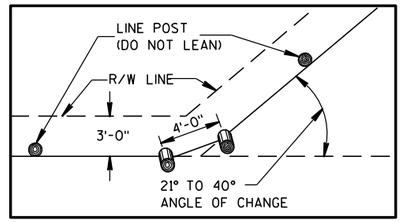


PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



PLAN VIEW
SINGLE POST CORNER

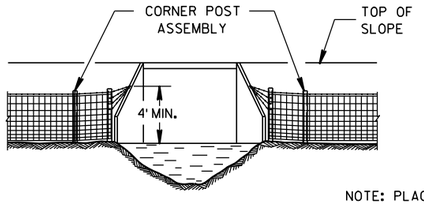


PLAN VIEW
DOUBLE POST CORNER

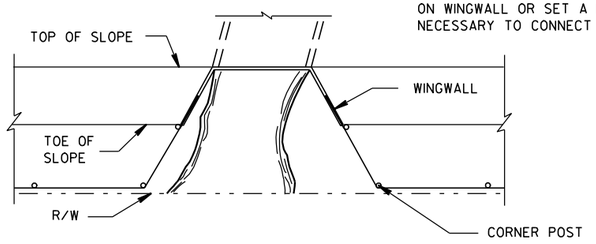
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

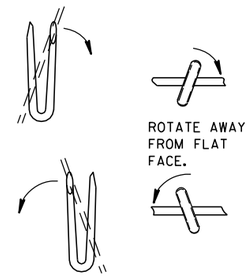
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



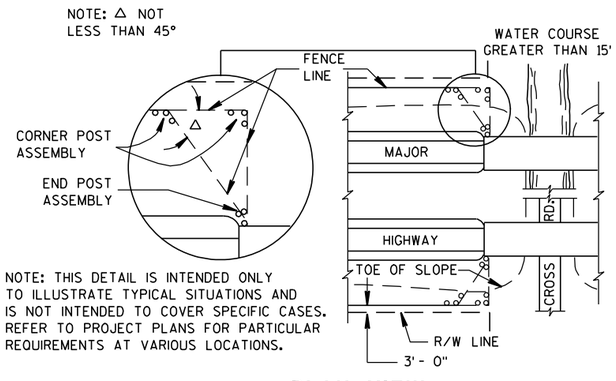
FENCE INSTALLATION TO WINGWALLS



LINE POST

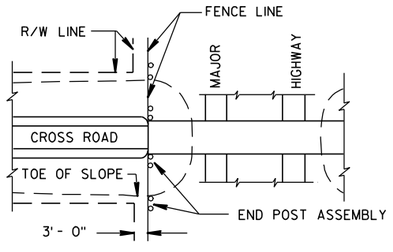
FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH

NOTE: △ NOT LESS THAN 45°



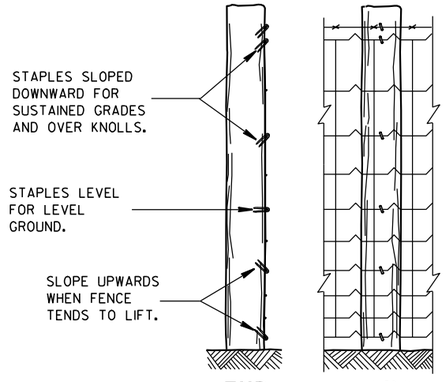
NOTE: THIS DETAIL IS INTENDED ONLY TO ILLUSTRATE TYPICAL SITUATIONS AND IS NOT INTENDED TO COVER SPECIFIC CASES. REFER TO PROJECT PLANS FOR PARTICULAR REQUIREMENTS AT VARIOUS LOCATIONS.

PLAN VIEW
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW
MAJOR HIGHWAY UNDERPASS

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION

FARM SIDE ELEVATION

FENCE MOUNTING DETAIL

FENCE LOCATION AT STRUCTURES

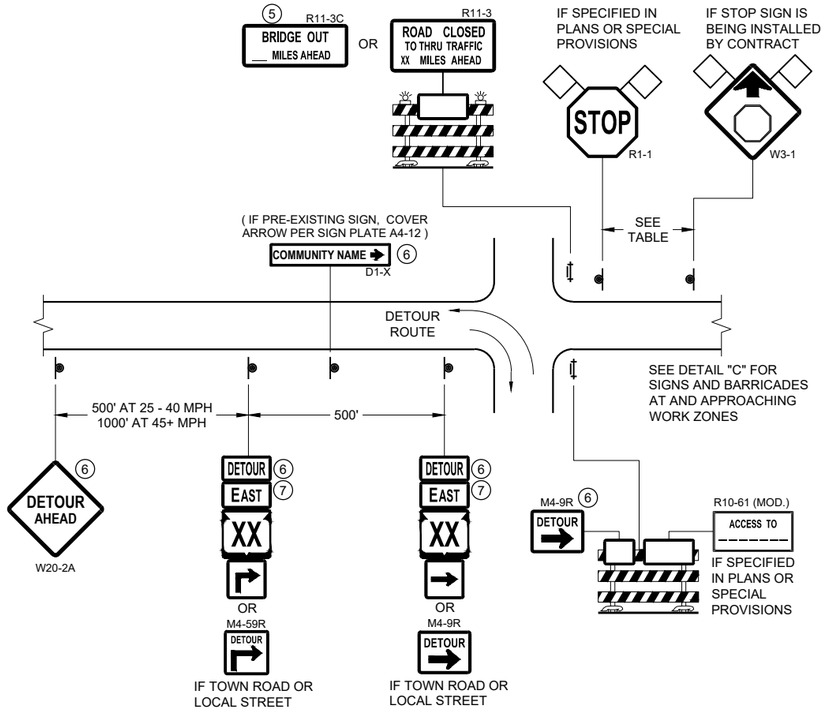
FENCE WOVEN WIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008
DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS [illegible] ENGINEER
FHWA

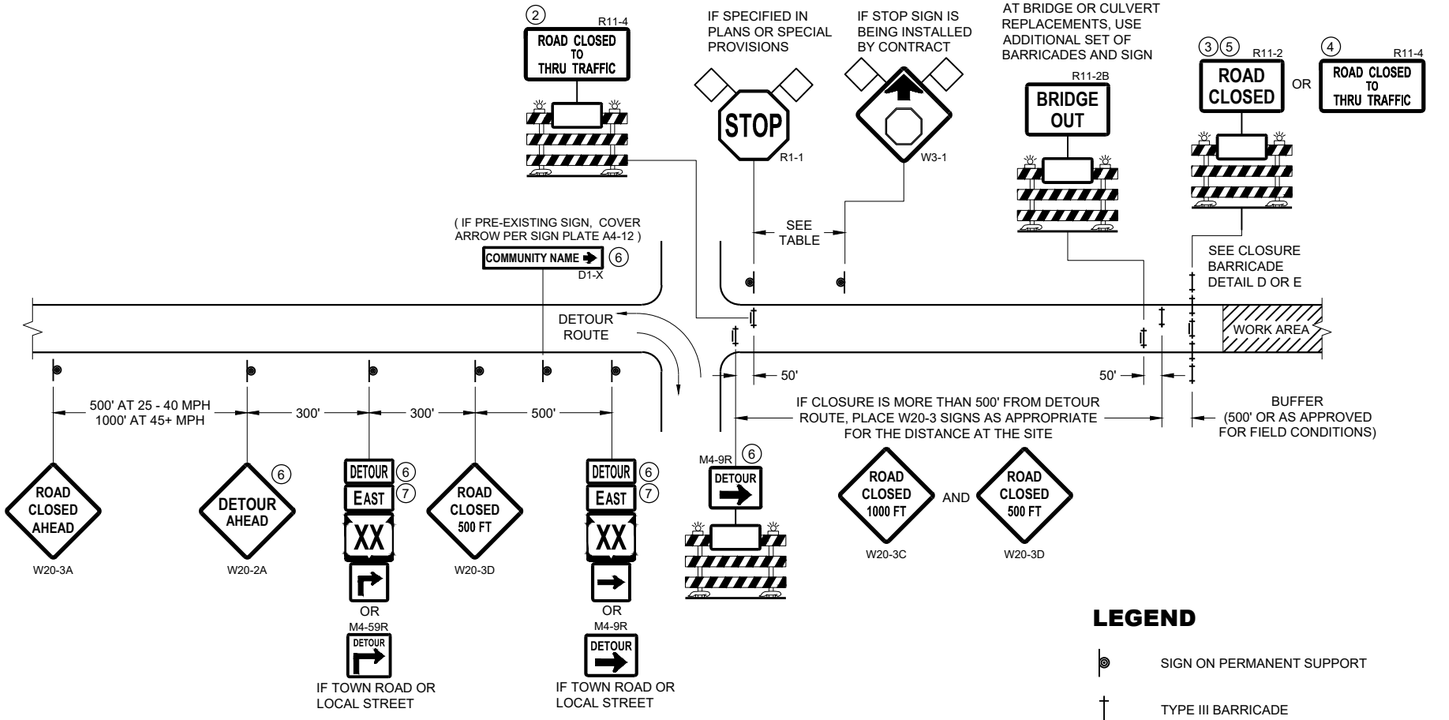
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S.D.D. 15 B 1-8b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

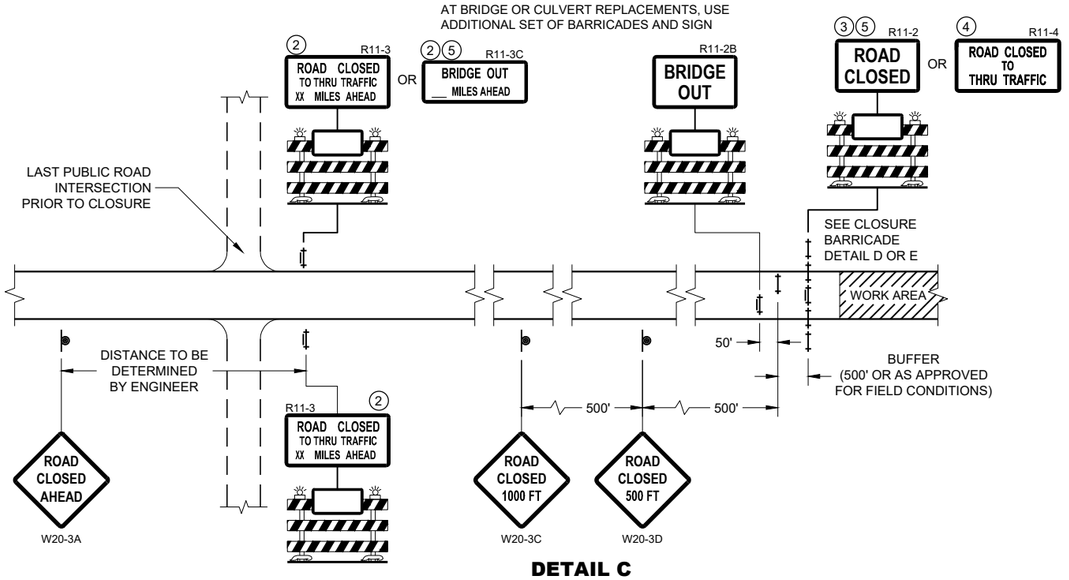


DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

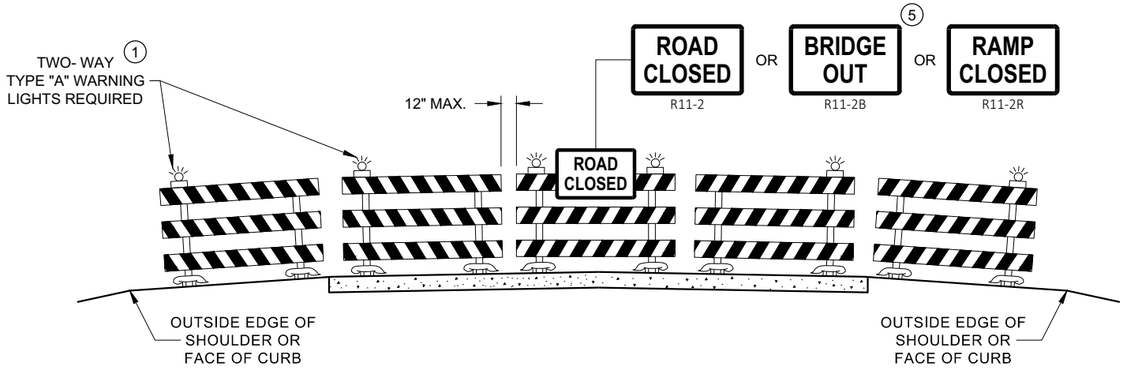
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

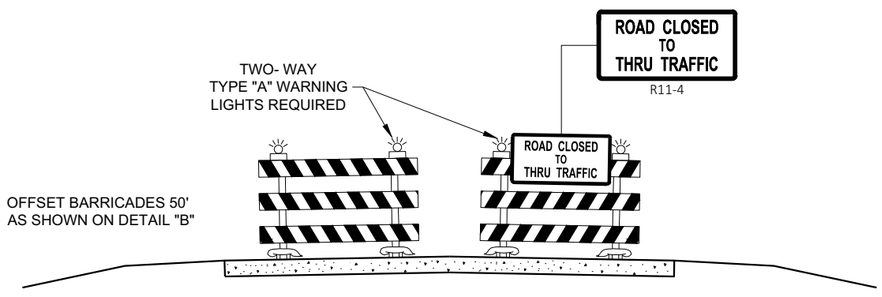
FHWA

SDD 15C02 - 08a

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SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

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

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

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

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

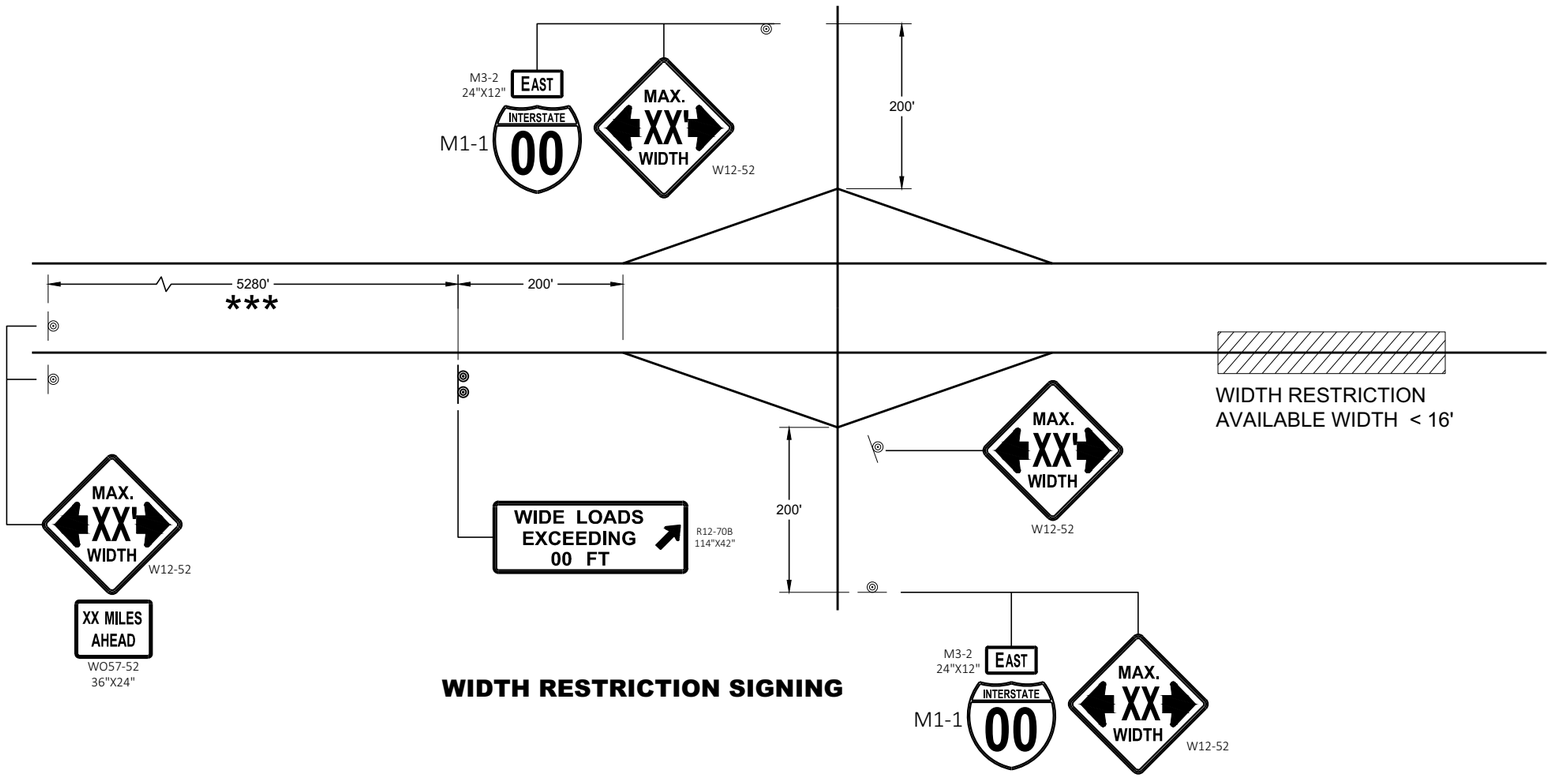
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 08b

6

SDD 15C02 - 08b



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

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

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

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

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

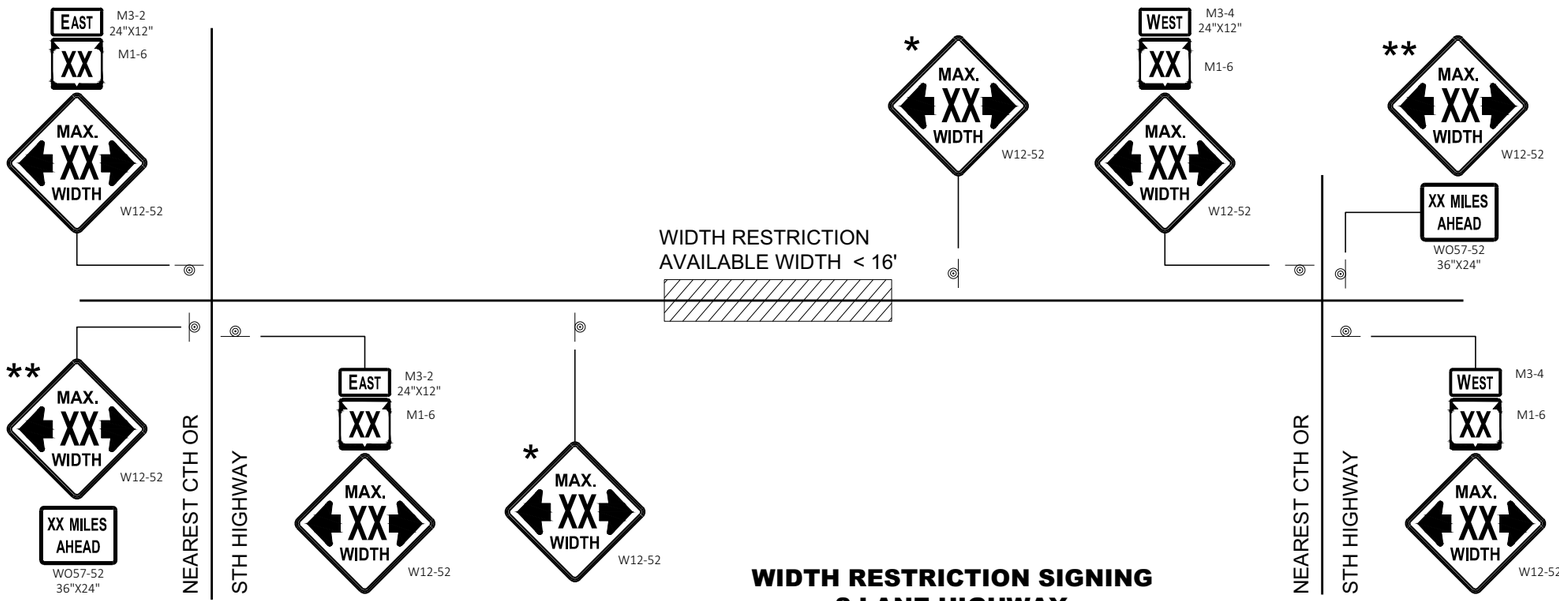
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

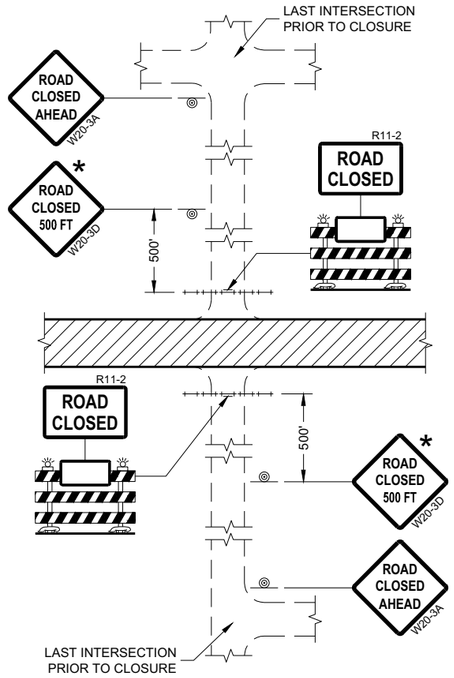
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WORK ZONE ENGINEE

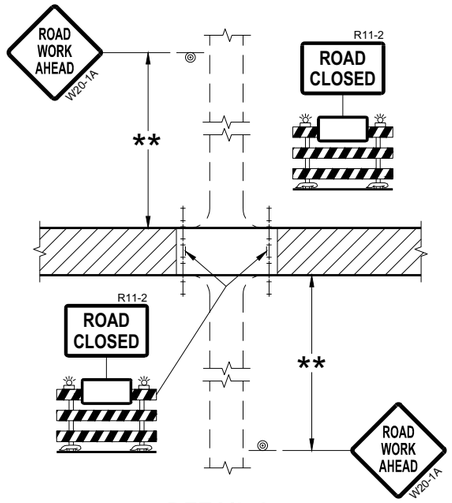
FHWA

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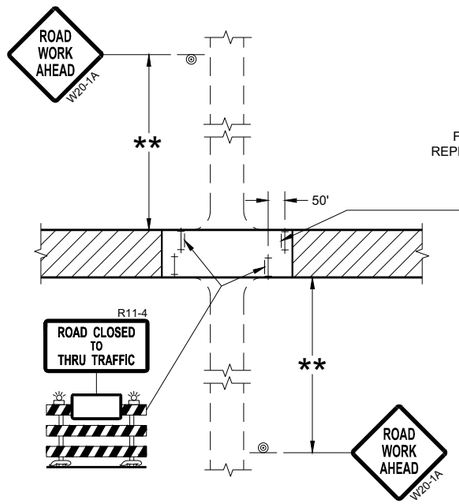
SDD 15C02 - 08f



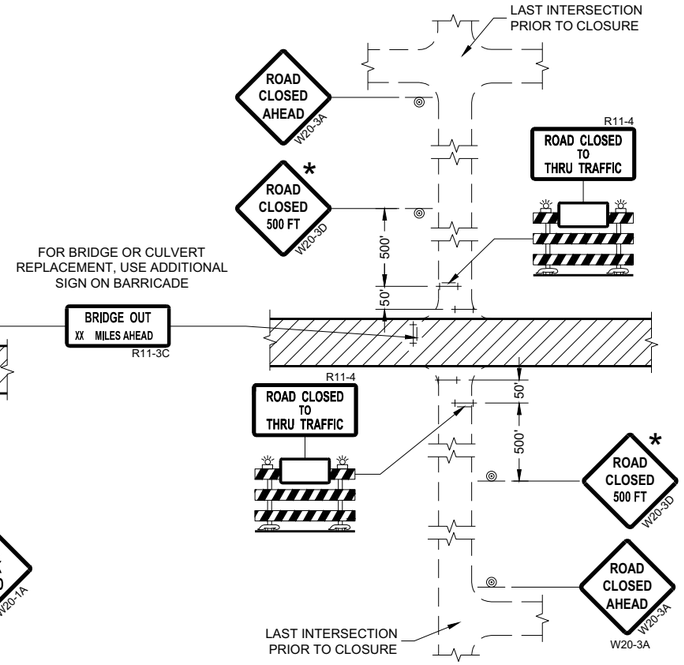
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

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

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

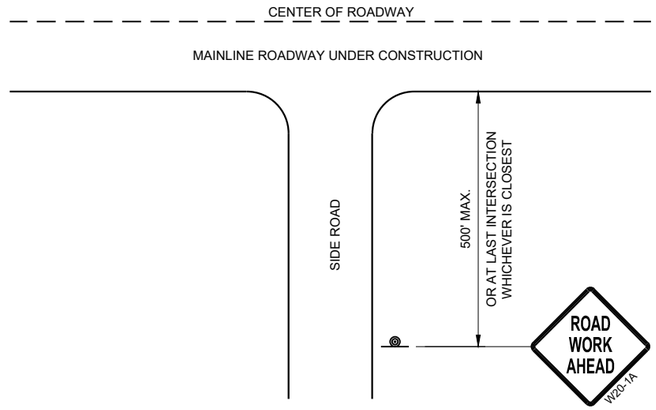
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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

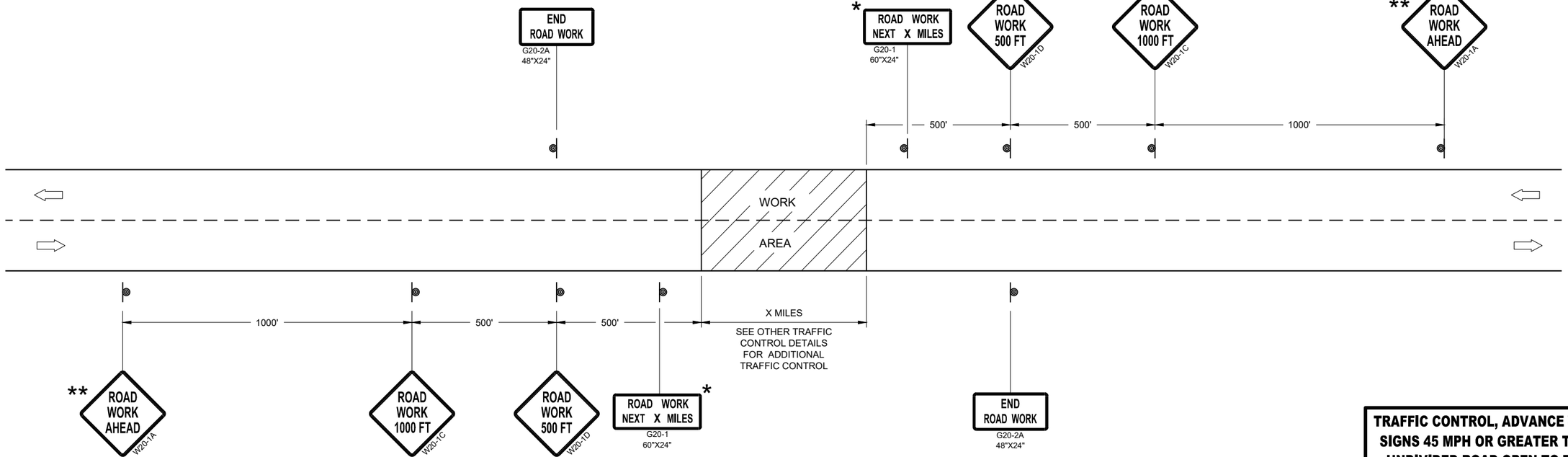
** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

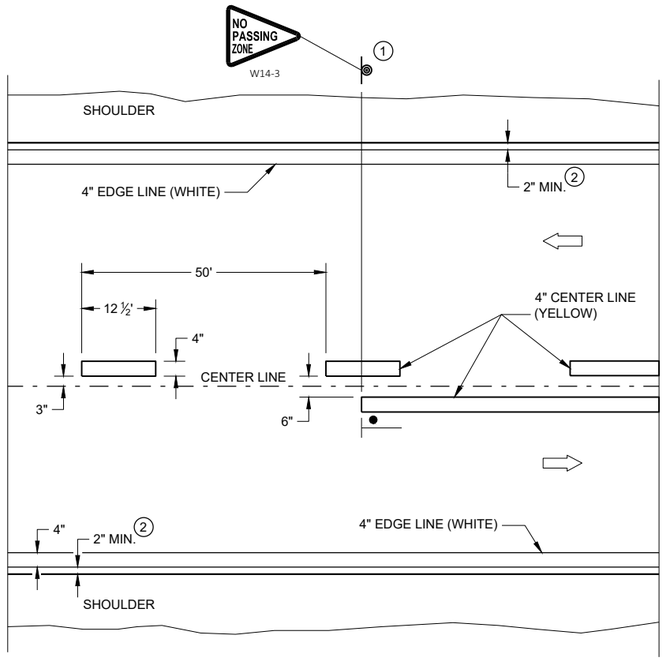
APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

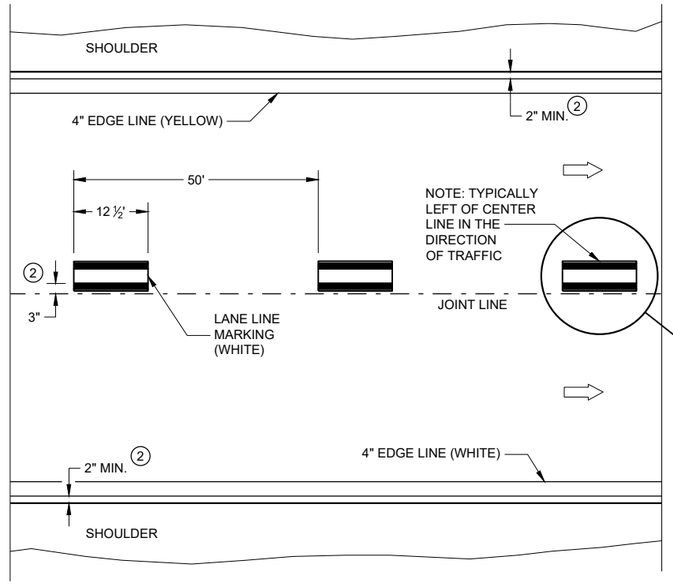
FHWA

6

SDD 15C04 - 05

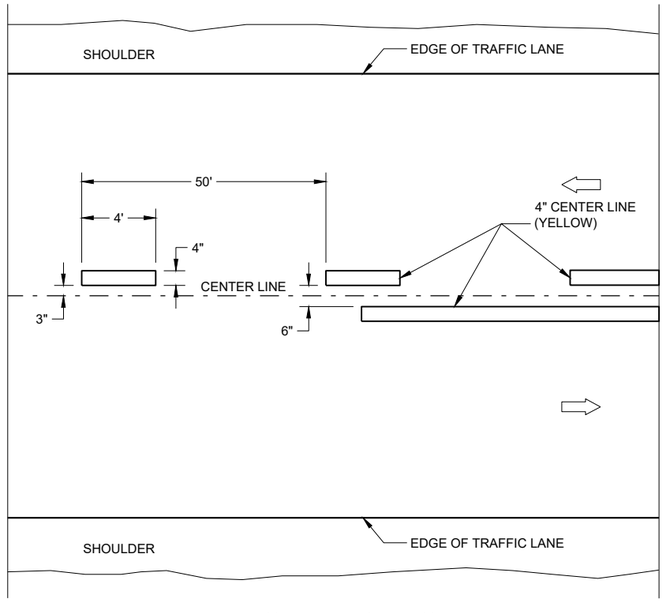


TWO WAY TRAFFIC

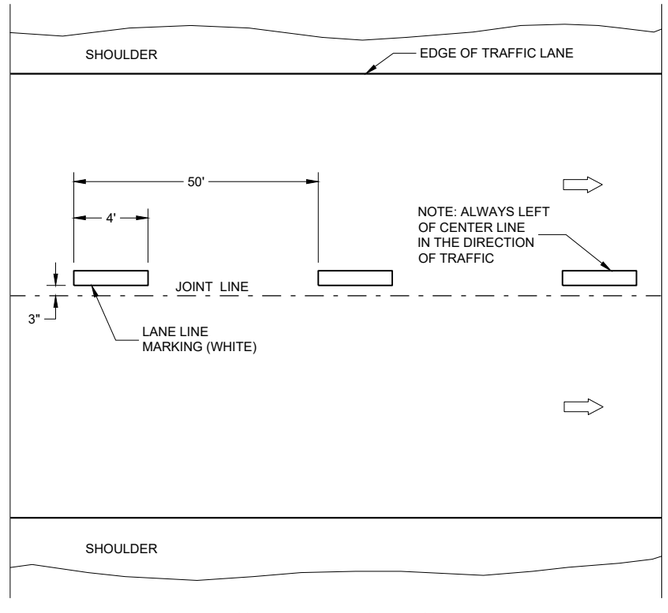


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

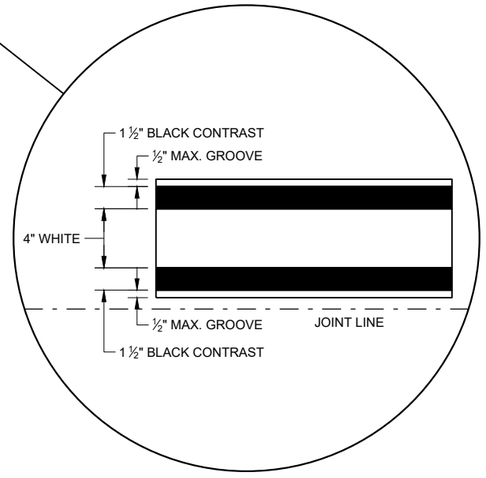
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

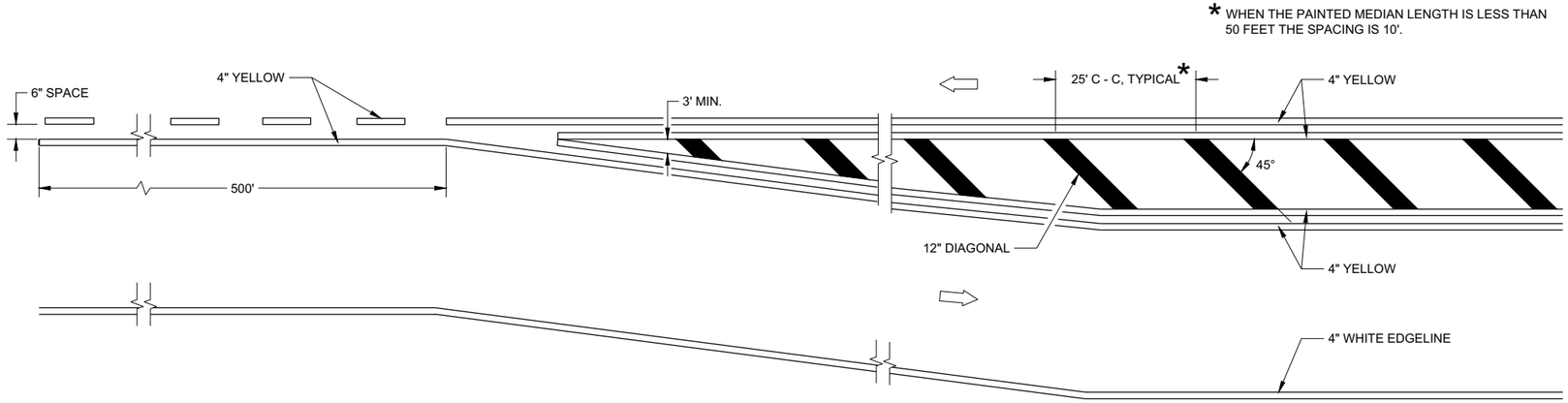
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

SDD 15C08 - 20a

SDD 15C08 - 20a

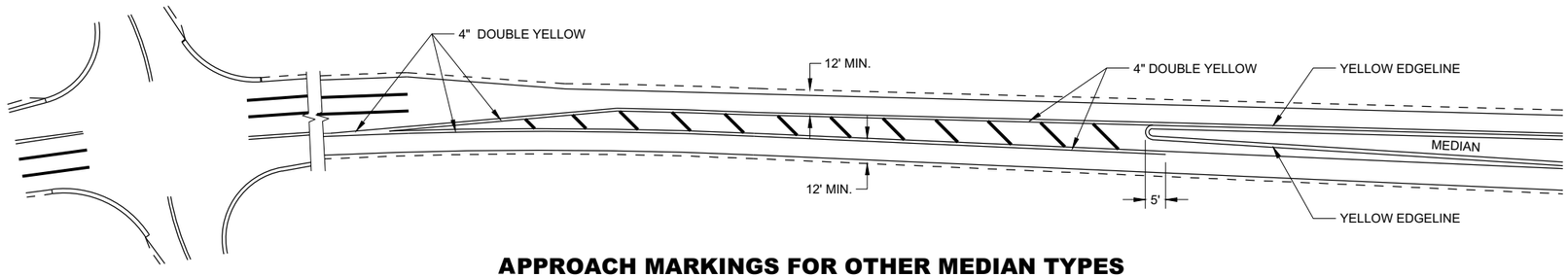


MEDIAN ISLAND DETAIL

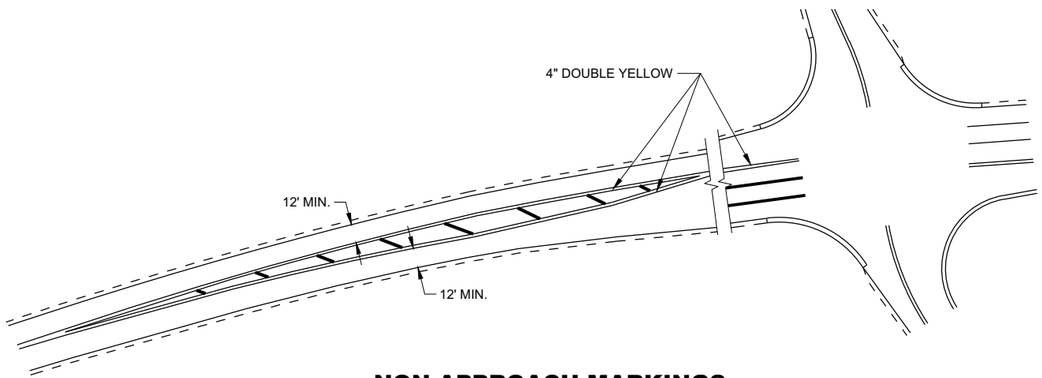
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

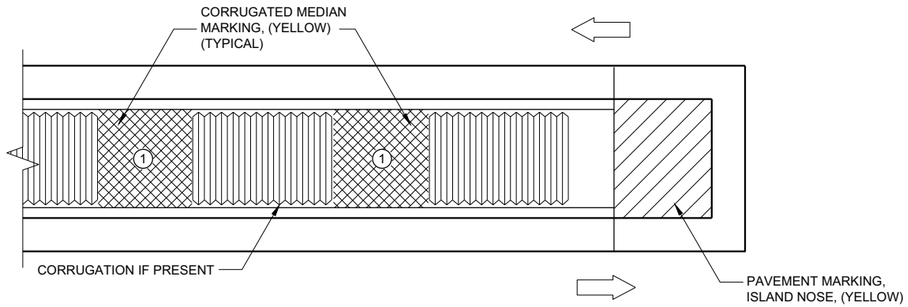
FHWA

6

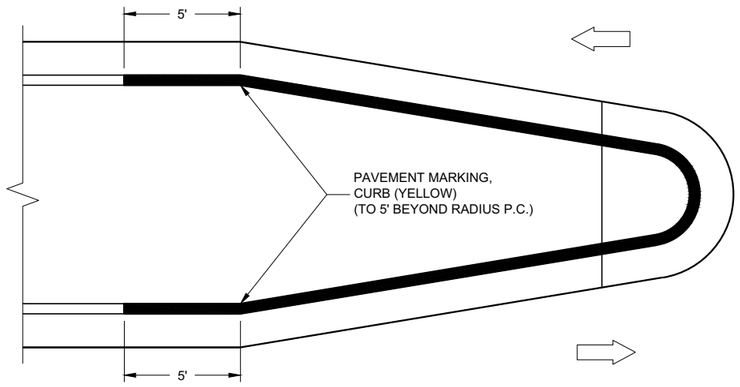
SDD 15C18 - 05a

6

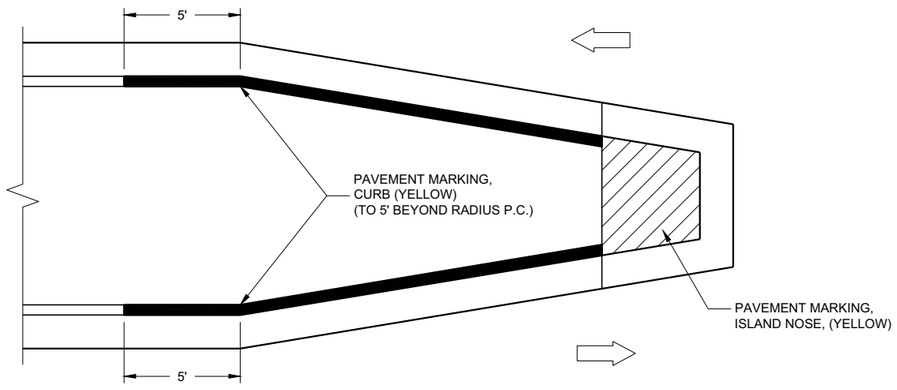
SDD 15C18 - 05a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF
ENGINEER

FHWA

6

SDD 15C18 - 05b

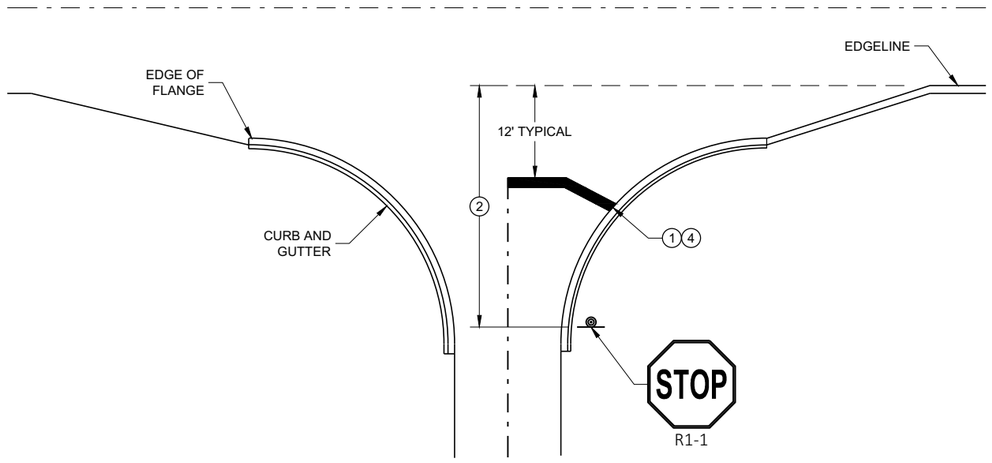
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SDD15C18 - 05b

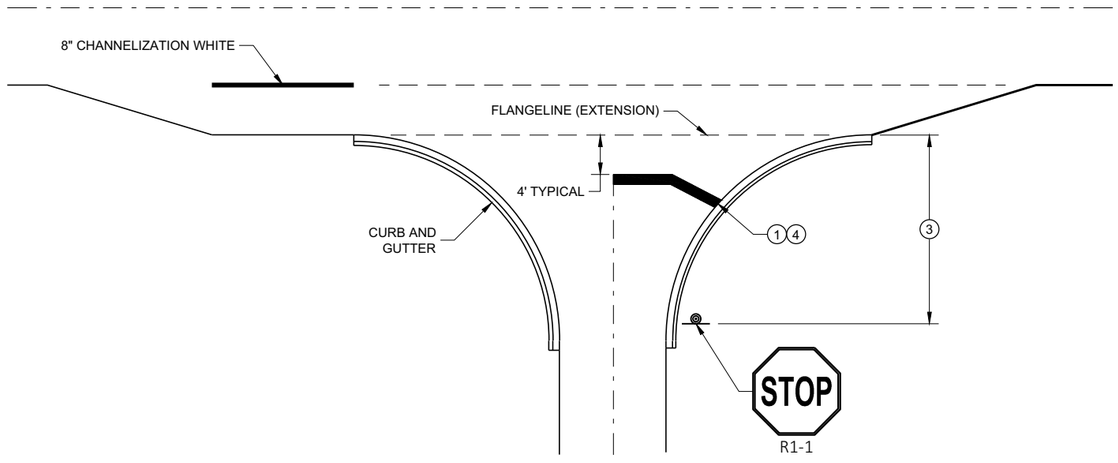
GENERAL NOTES

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

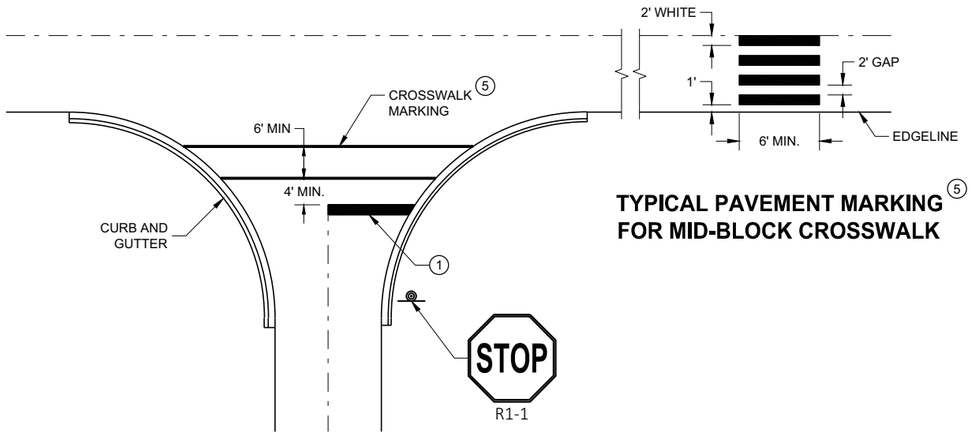
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

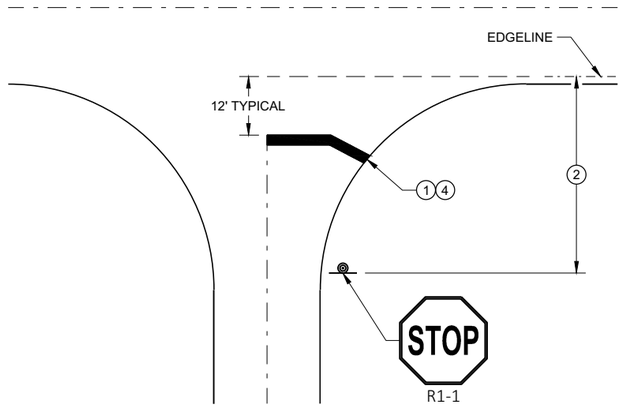


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

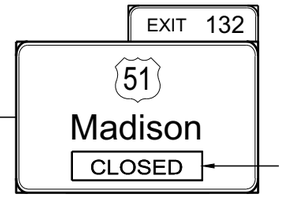
6

SDD 15C33 - 04



G20 - 60
108" X 24"

OR



G20 - 60
108" X 24"

PLACE SIGN G20 - 60 OVER MILEAGE
ON EXISTING E1 - 1A SIGN

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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

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

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

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

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.

PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROP OFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.

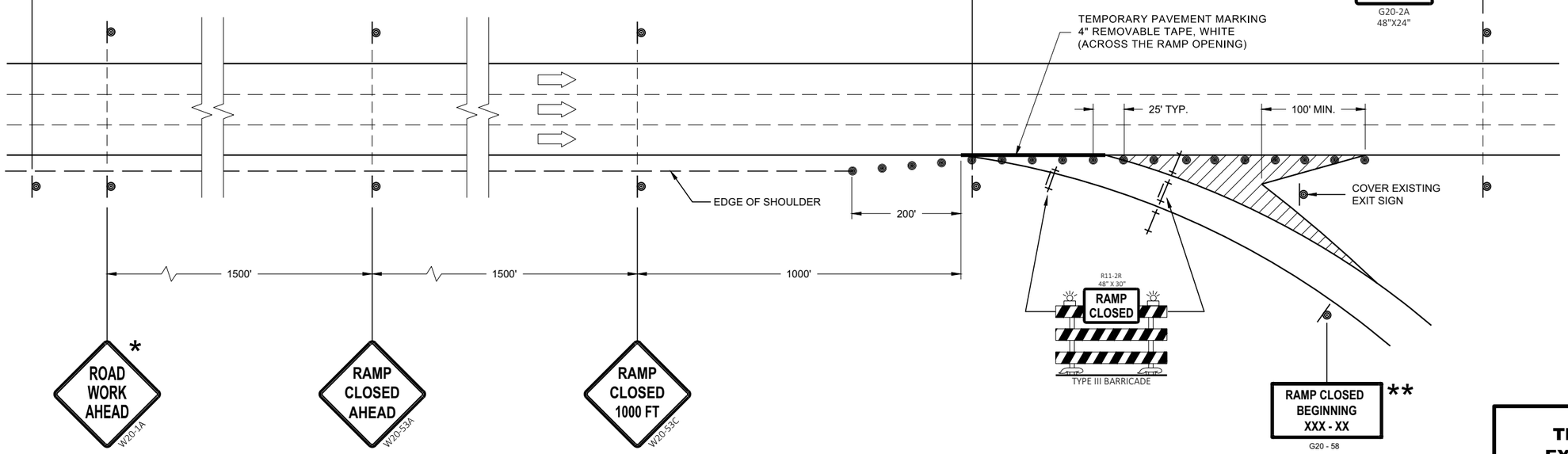
* W20 - 1A AND G20 - 2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP CLOSED BEGINNING" SIGN OR PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



COVER ARROW ON EXISTING
E4 - 1 SIGN (COVERING SIGNS
TYPE I)

G20 - 61
120 ' X 30"



OR

PCMS MESSAGING

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXDAY XX XX XX

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D16 - 04

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.

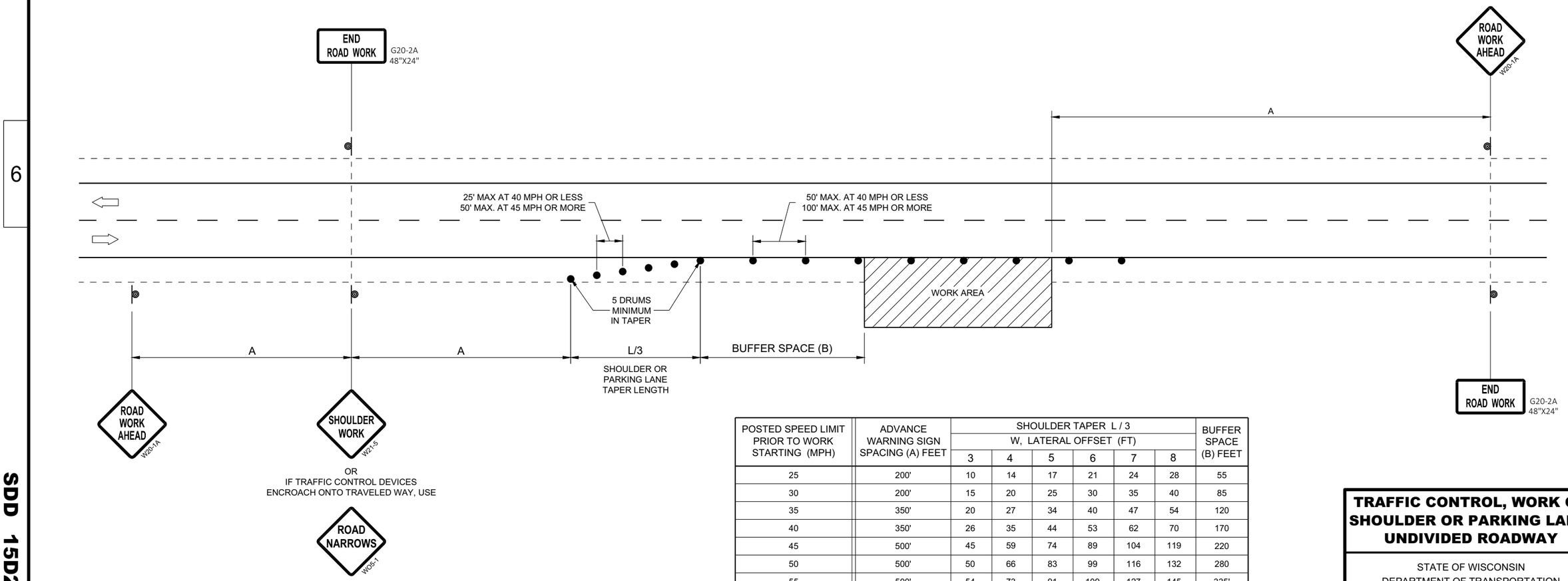
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

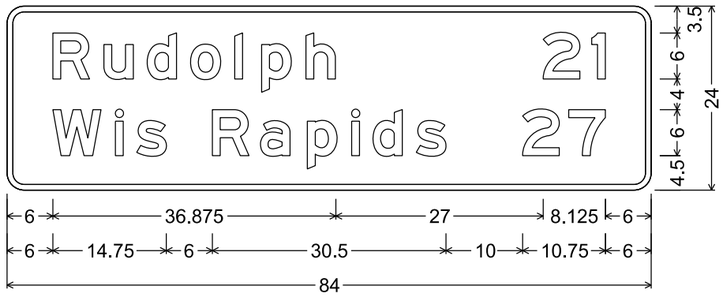
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

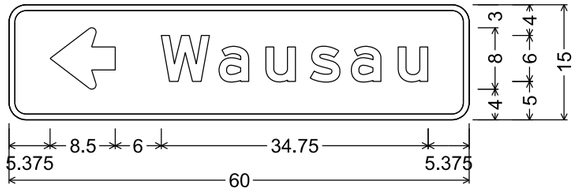
FHWA

SDD 15D28 - 04

SDD 15D28 - 04



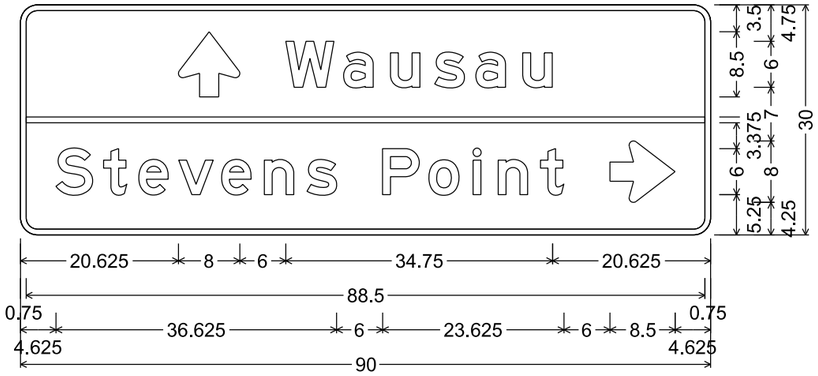
D2-2; 2.250" Radius, 0.750" Border



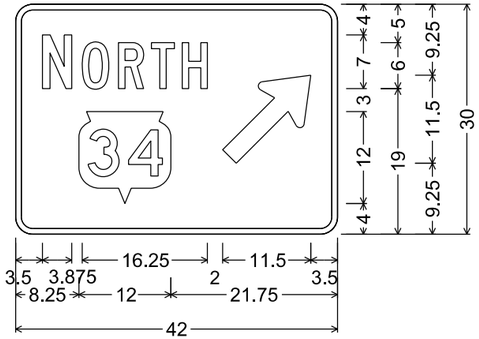
D1-1; 2.250" Radius, 0.750" Border

NOTES

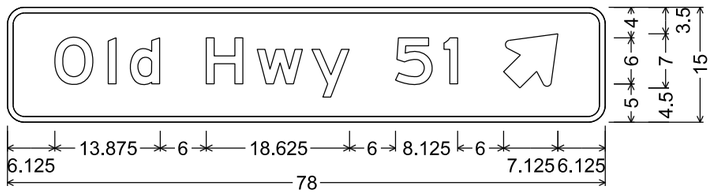
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



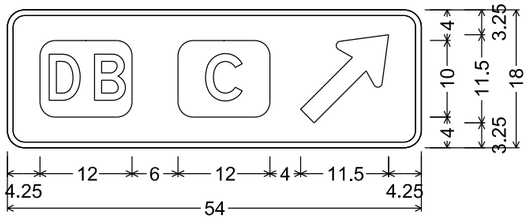
D1-2; 2.250" Radius, 0.750" Border



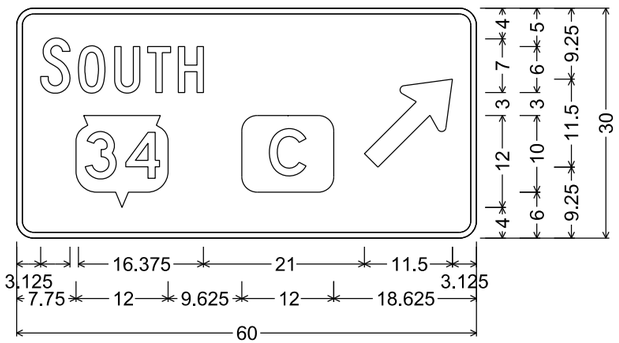
D1-1; 2.250" Radius, 0.750" Border, "NORTH", C



D1-1; 2.250" Radius, 0.750" Border



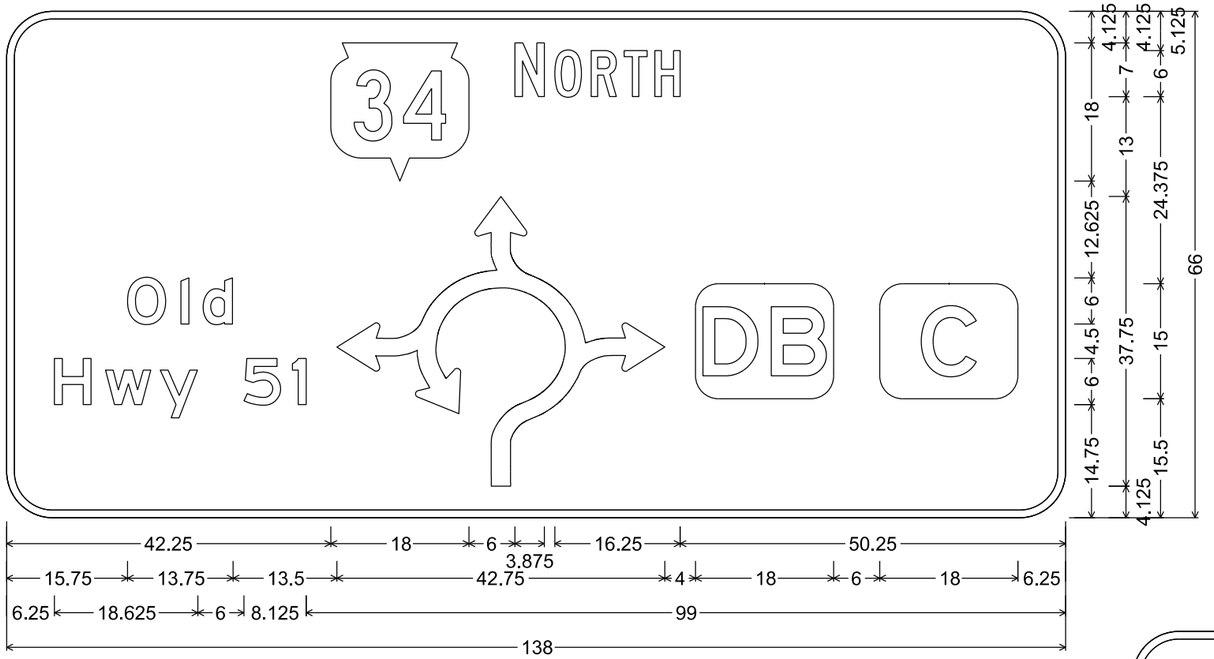
D1-1; 2.250" Radius, 0.750" Border



D1-2; 2.250" Radius, 0.750" Border, "SOUTH", C

7

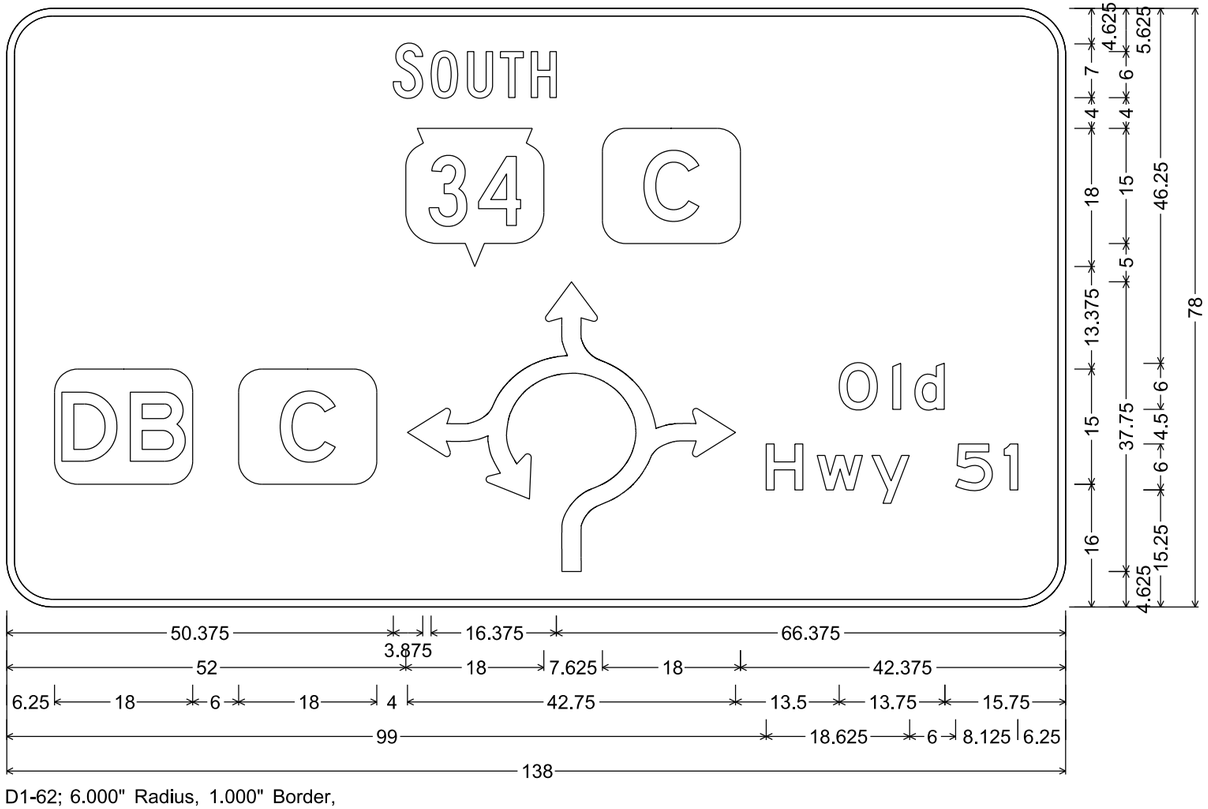
7



D1-62; 6.000" Radius, 1.000" Border
"NORTH", C; "Old", E; "Hwy", E; "51", E

NOTES

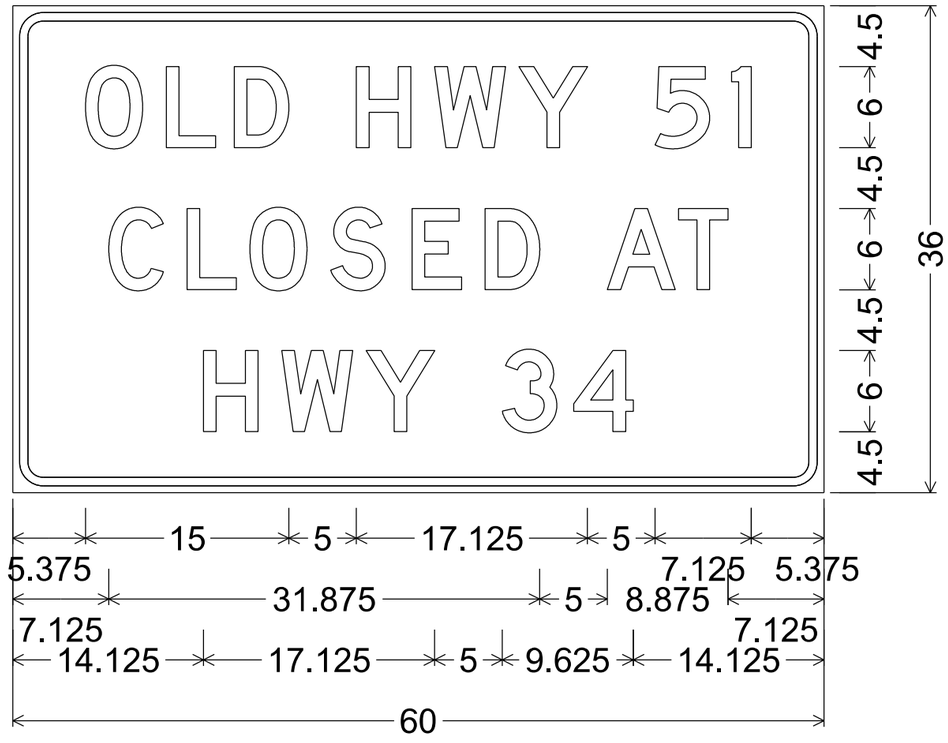
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



D1-62; 6.000" Radius, 1.000" Border,
"SOUTH", C; "Old", E; "Hwy", E; "51", E

NOTES

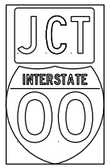
1. Fixed Message Sign Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



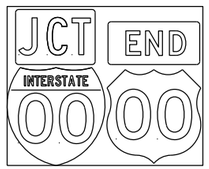
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7

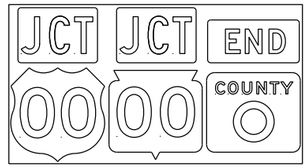
TYPICAL ASSEMBLIES



J1-1



J1-2



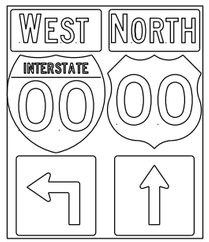
J1-3



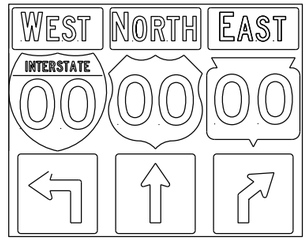
JR1-1



J2-1



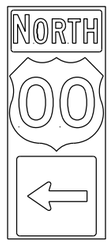
J2-2



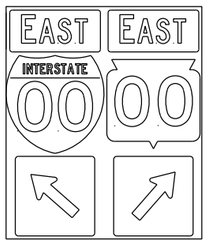
J2-3



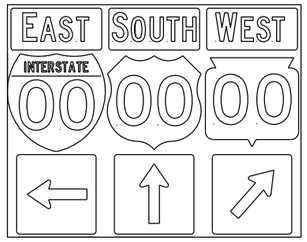
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



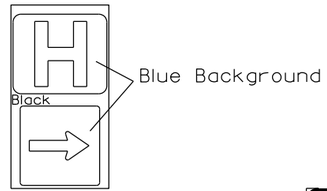
J3-1



J3-2



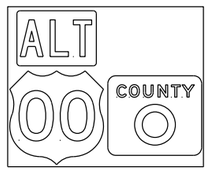
J3-3



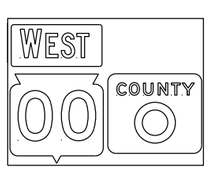
JH-1



J4-1



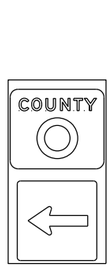
J4-2



J4-2



J12-1



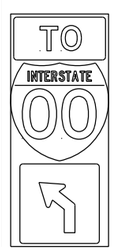
J13-1



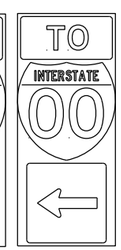
J32-1



J33-1



J22-1



J23-1



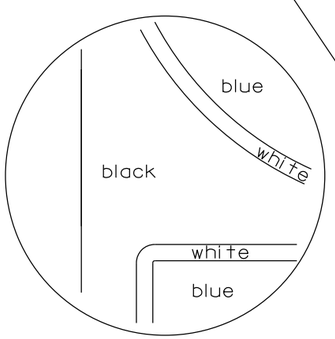
JR13-1



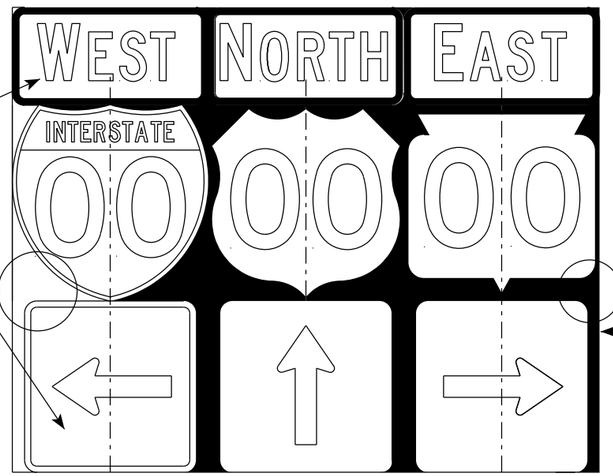
JR23-1

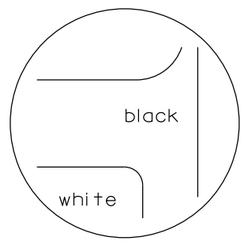


JR99-1



blue background
with interstate





black background

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

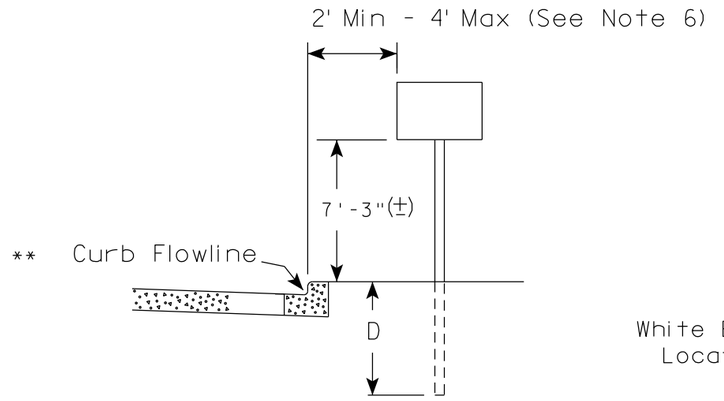
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

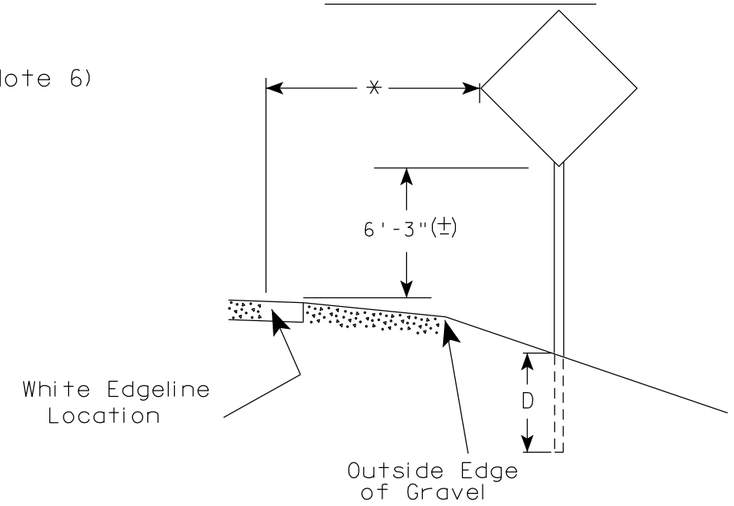
PROJECT NO:

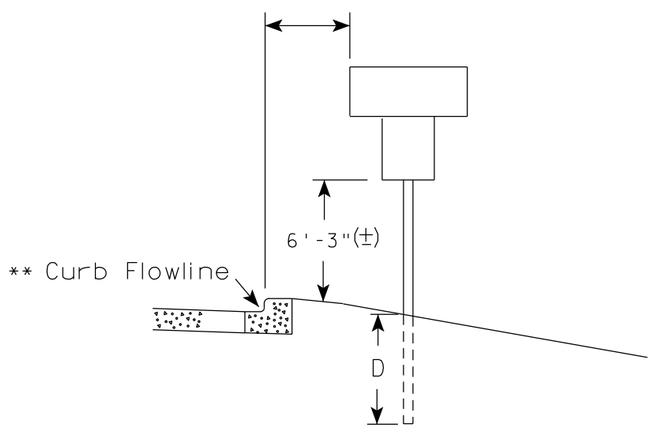
SHEET NO: 177 **E**

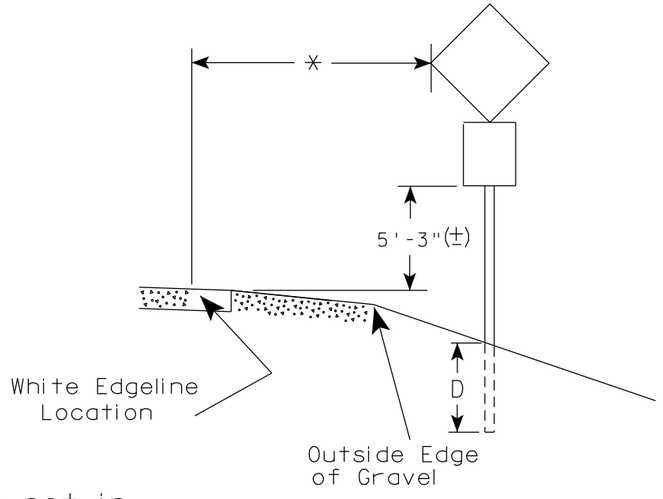
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

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

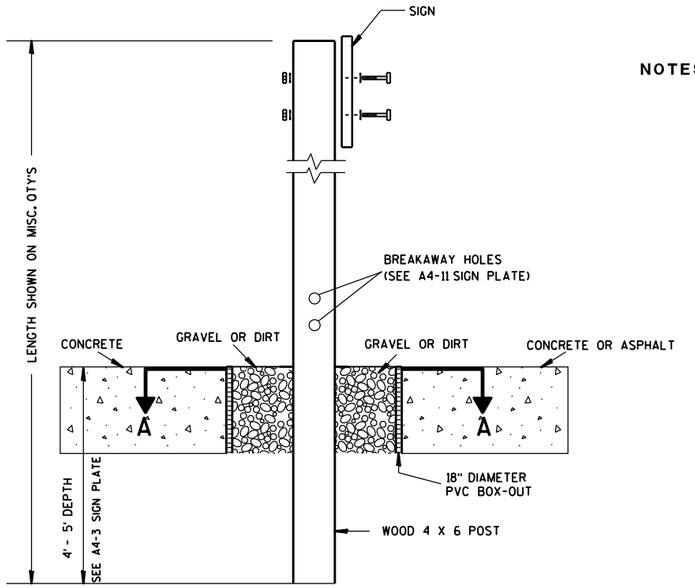
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

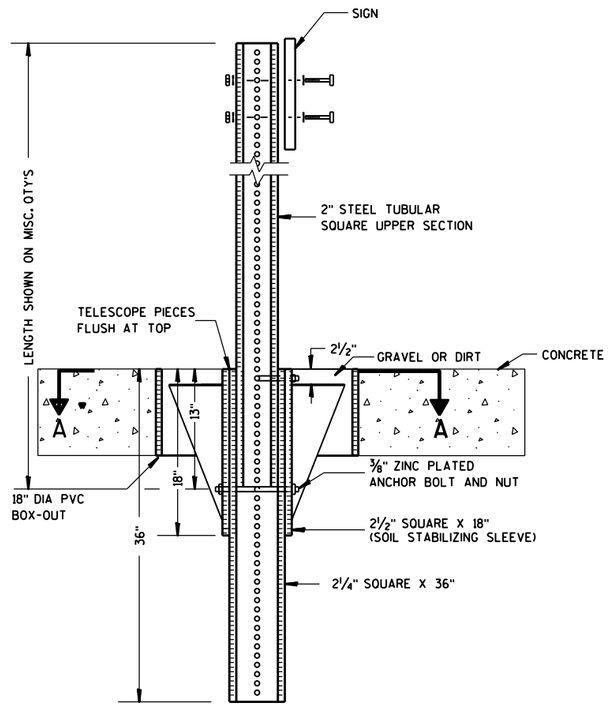
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 178	E



ELEVATION VIEW

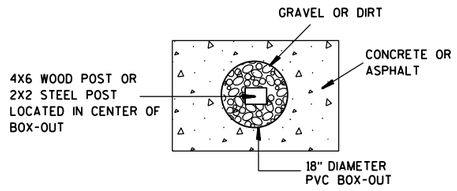
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

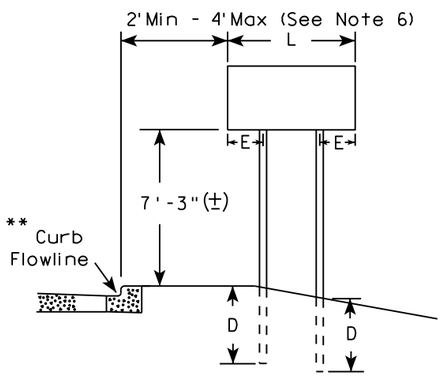
APPROVED Matthew R Rauch
for State Traffic Engineer

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

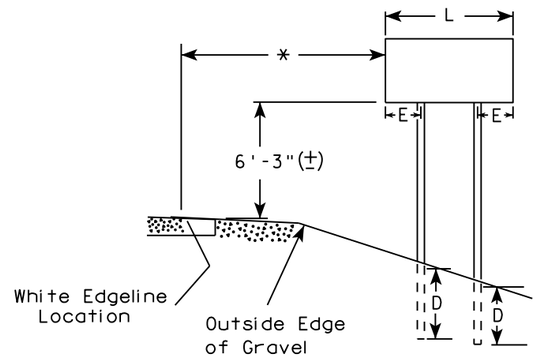
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

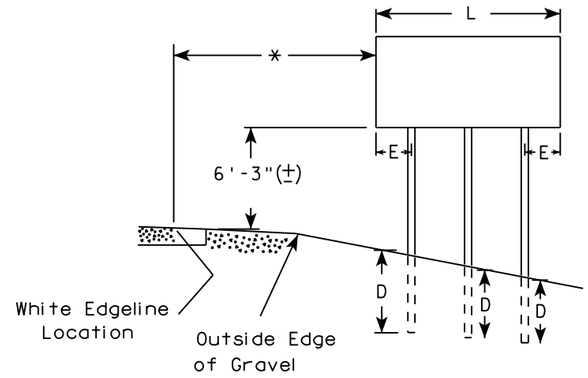
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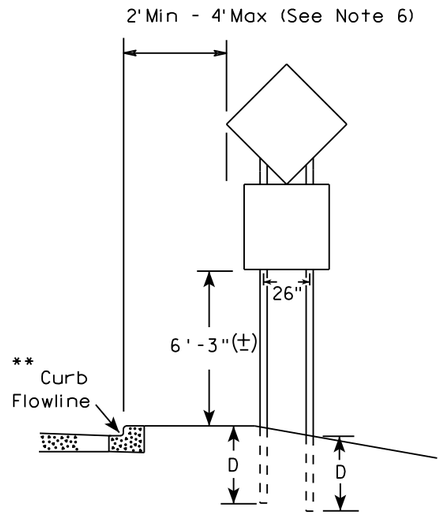
URBAN AREA



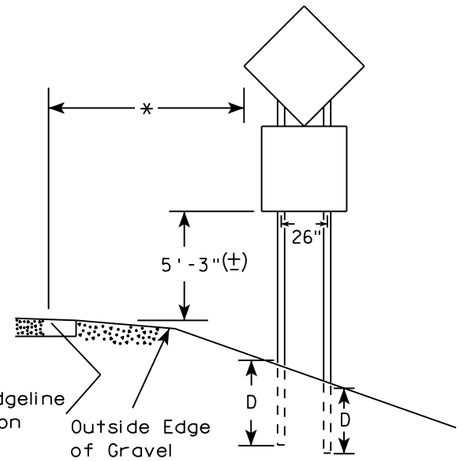
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

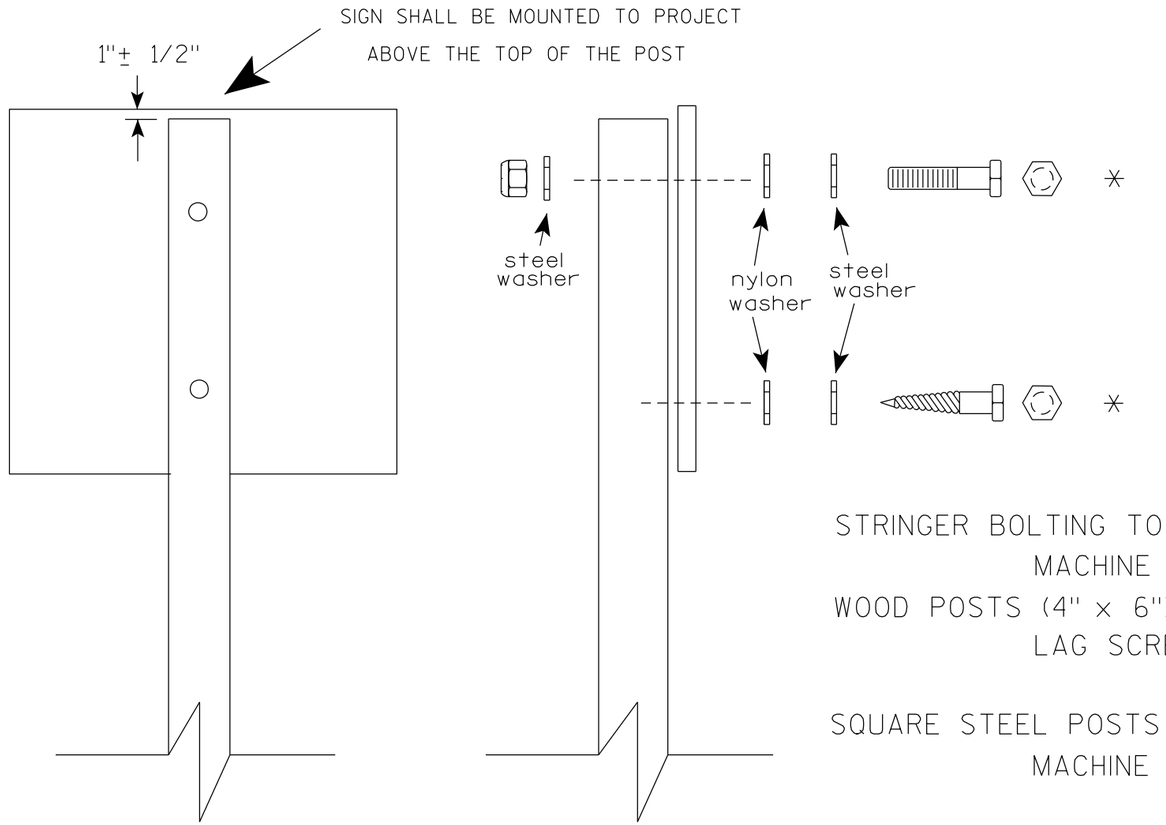
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 180	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

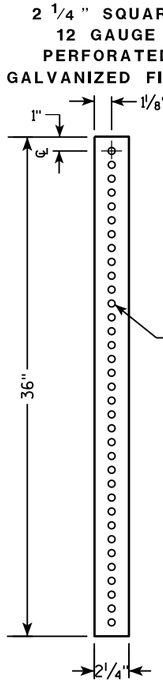
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

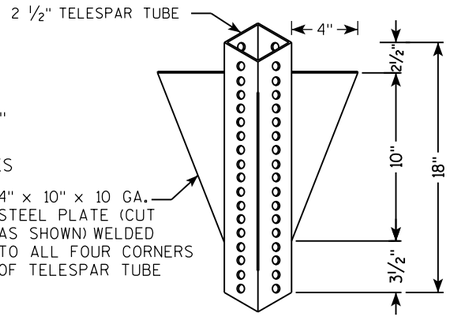
SHEET NO: 181 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

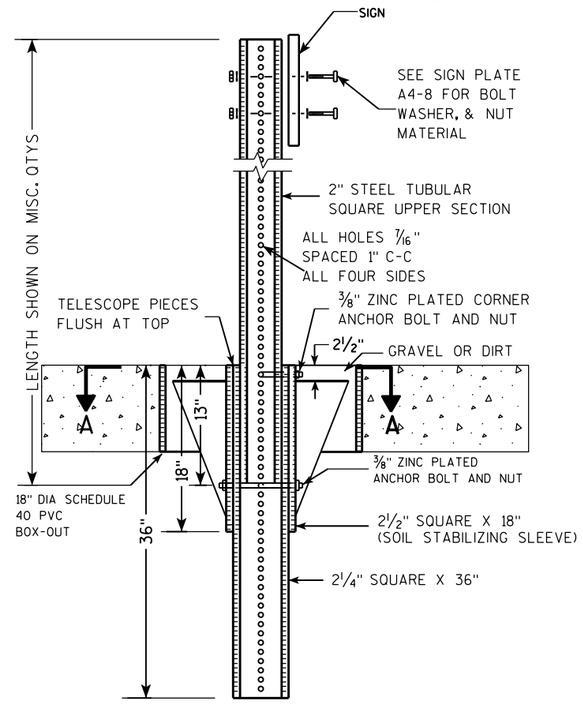
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



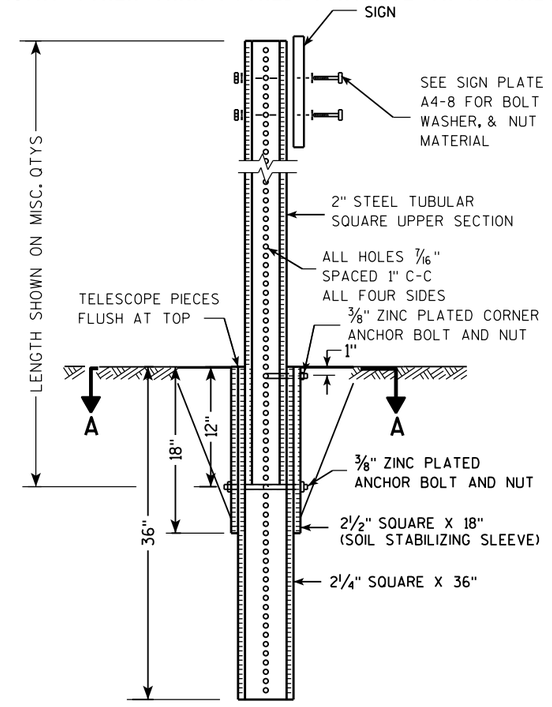
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

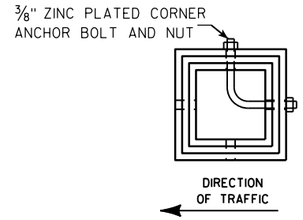


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

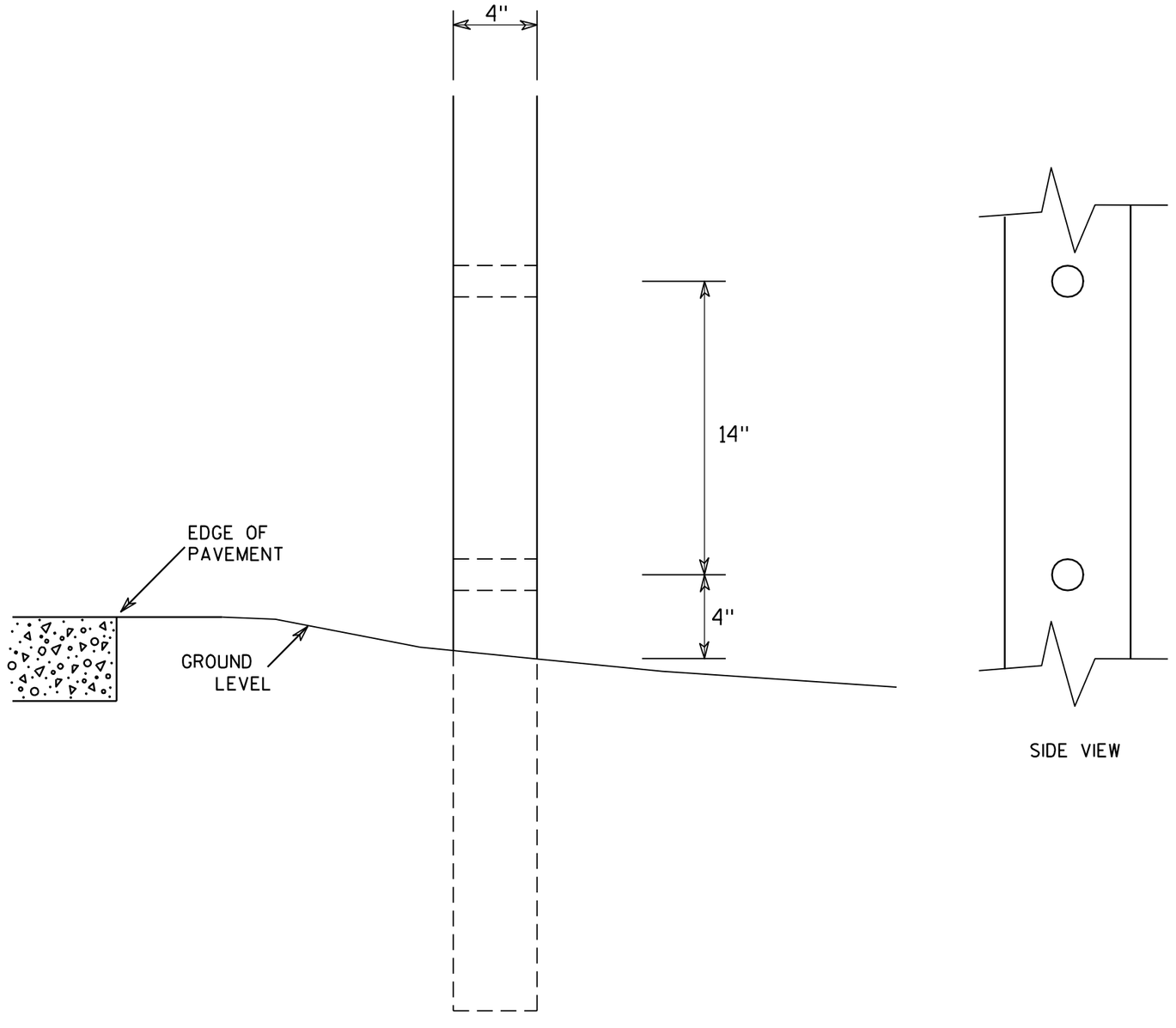
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

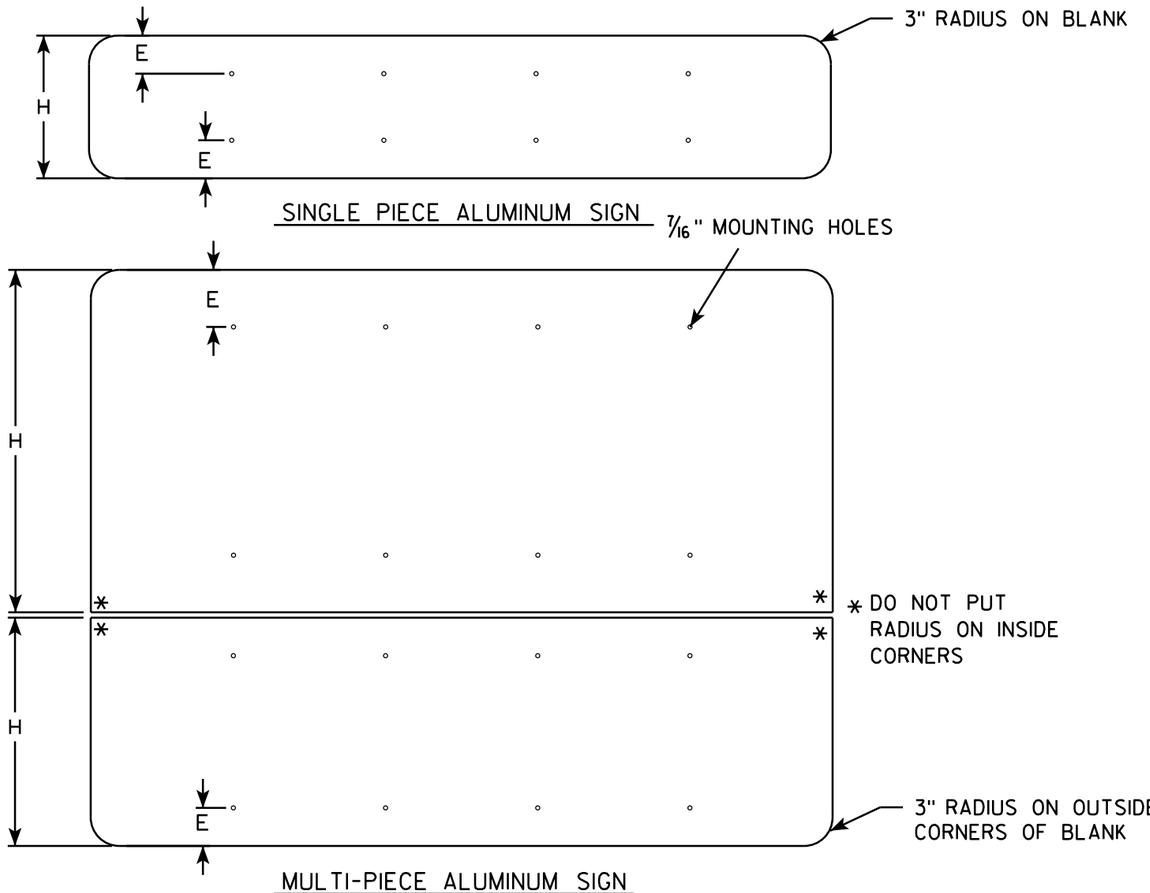
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

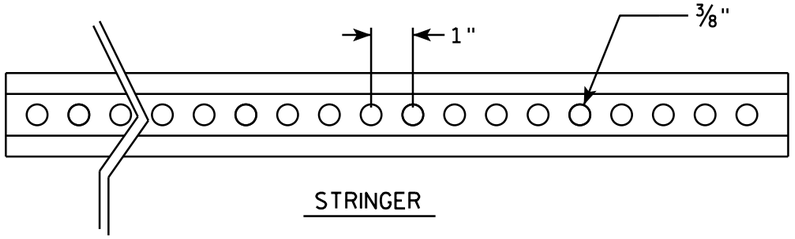
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 183	E



GENERAL NOTES

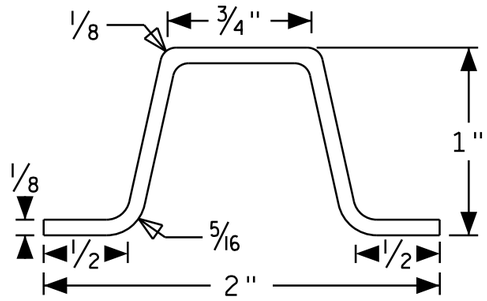
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

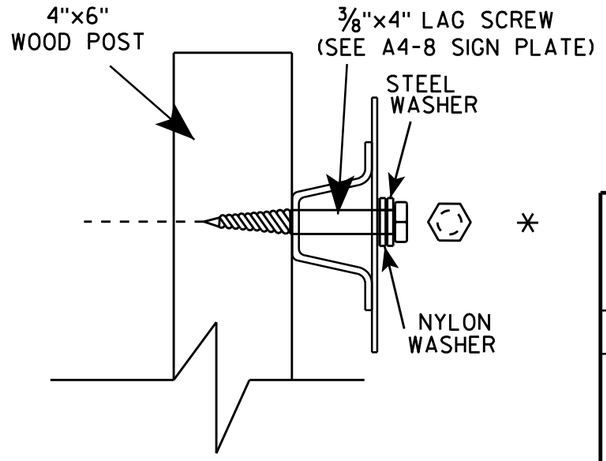


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

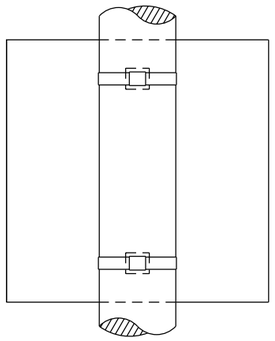
DATE 4/26/16 PLATE NO A4-18.1

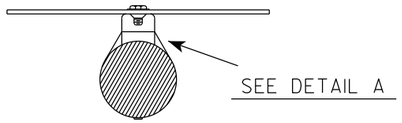
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

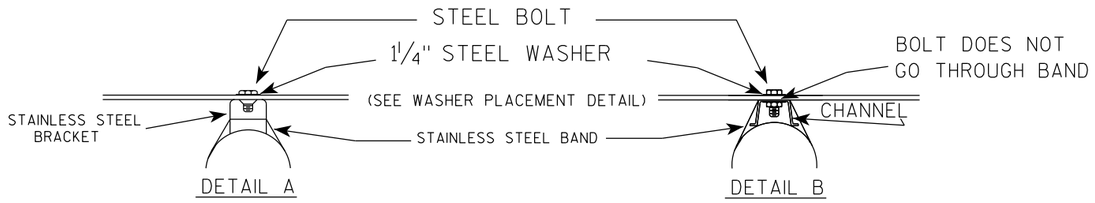
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000

BANDING

SINGLE SIGN



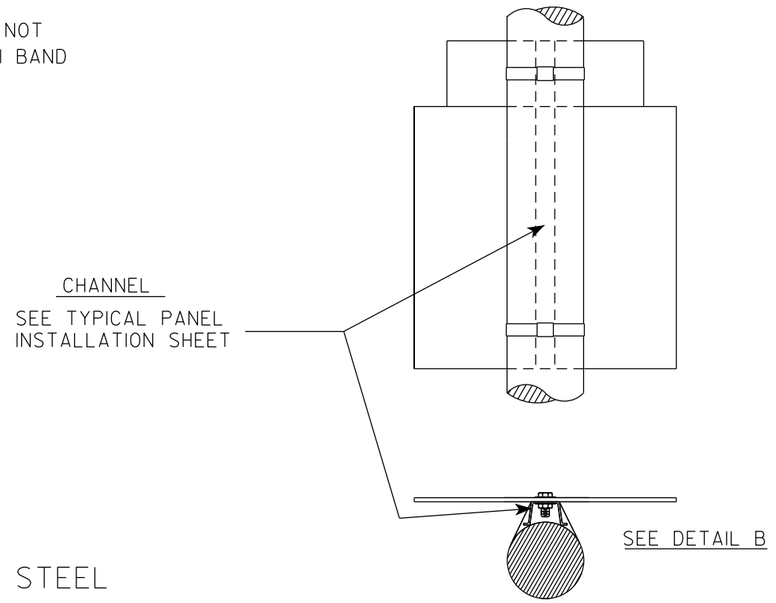




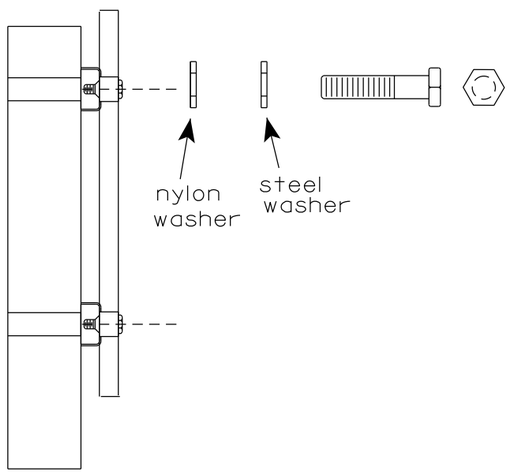
GENERAL NOTES

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. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

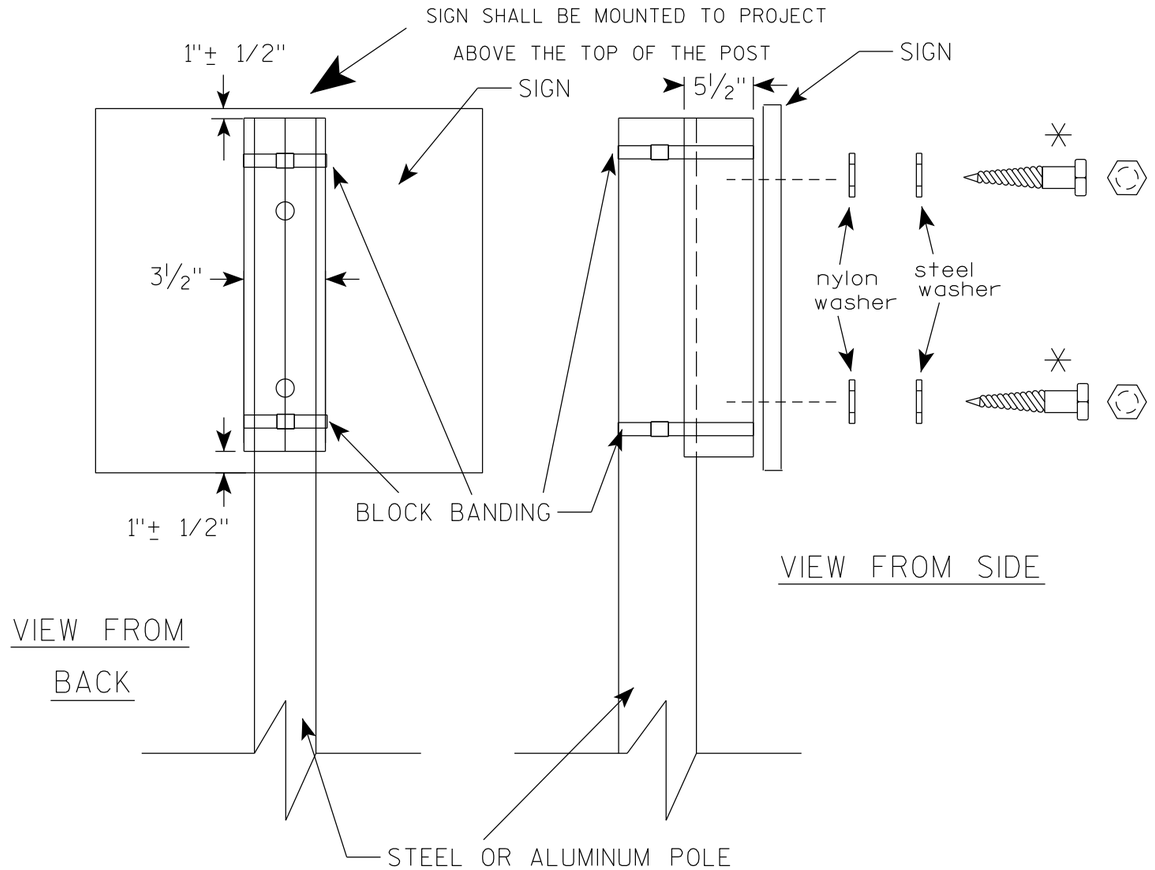
WISCONSIN DEPT OF TRANSPORTATION

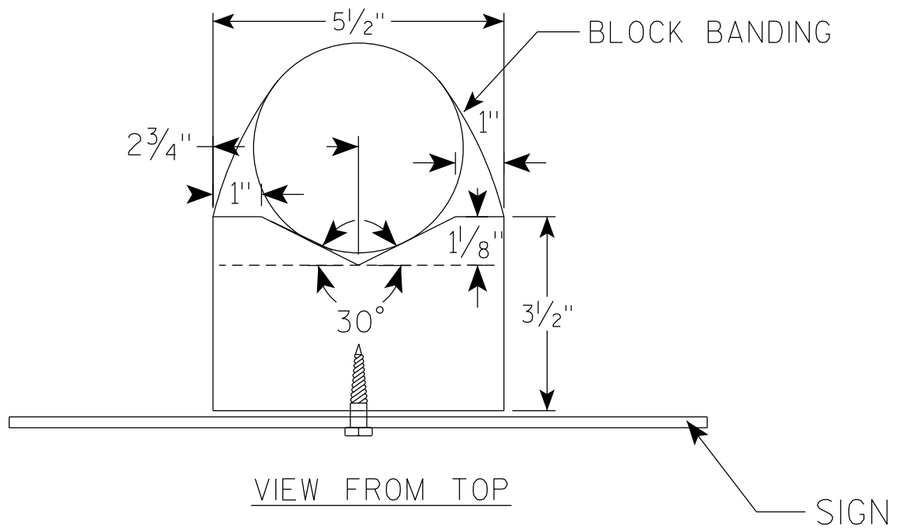
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 185	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





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"

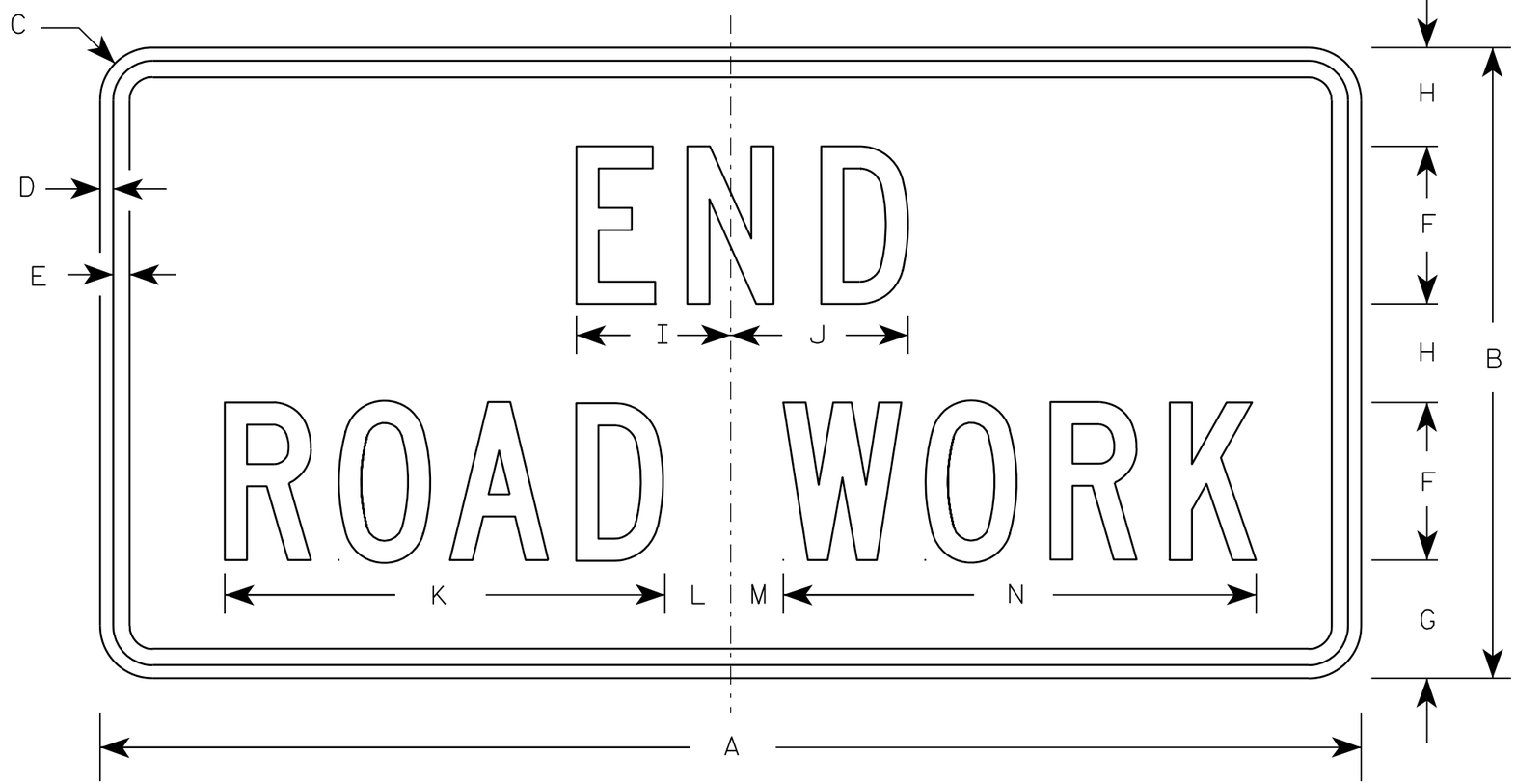
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO: | SHEET NO: 186 | E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - 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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	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	0.41
2	48	24	1 1/2	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	0.72
3	48	24	1 1/2	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	0.72
4	48	24	1 1/2	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	0.72
5	48	24	1 1/2	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	0.72

STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

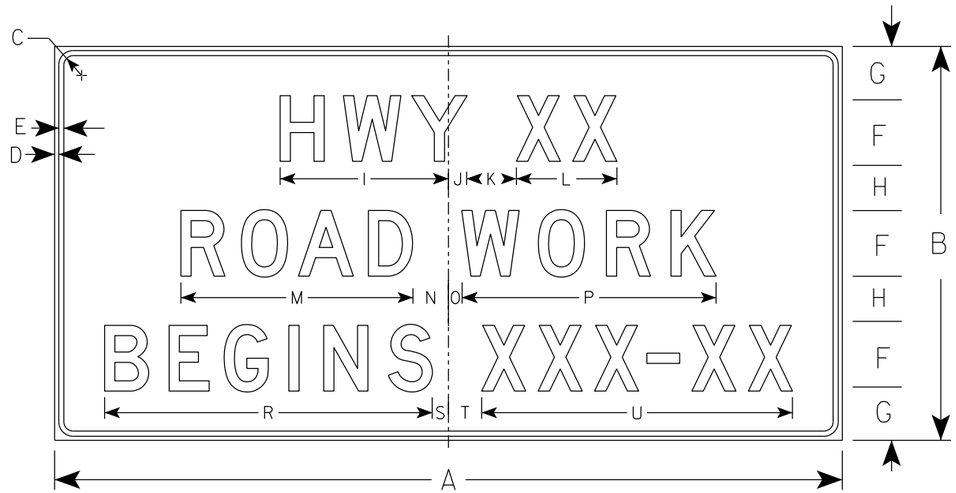
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 187	E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



G20-57

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																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/4	3 1/2	1 1/2	23 1/4		29 7/8	1 3/4	3 1/4	28 1/2						18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	2 1/4	6	12 1/4	28 1/4	4 3/8	1 5/8	31		39 1/4	2	4	37 7/8						32.0
5																											

STANDARD SIGN
G20-57

WISCONSIN DEPT OF TRANSPORTATION

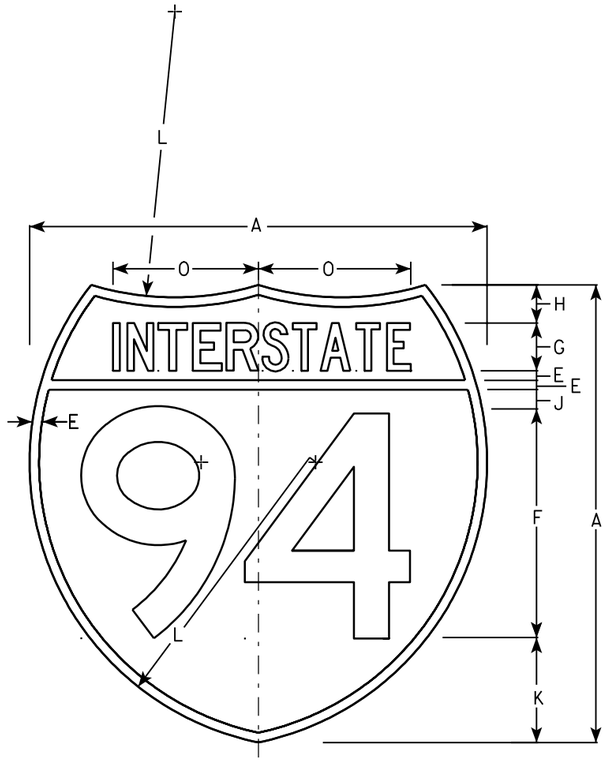
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/22/19 PLATE NO. G20-57.3

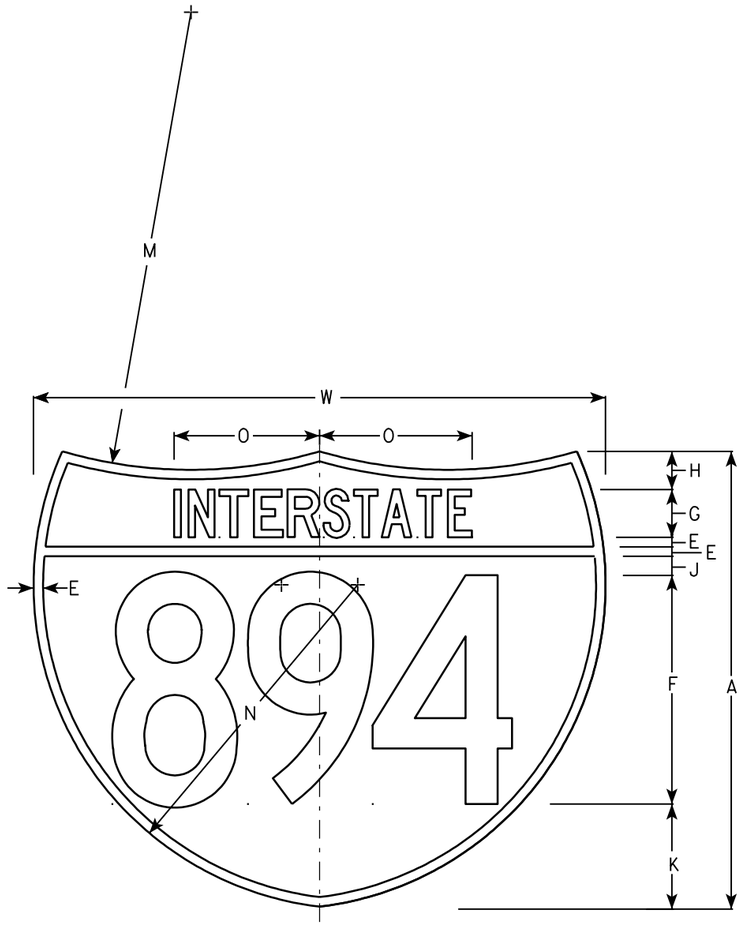
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 188 | E

7

7



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

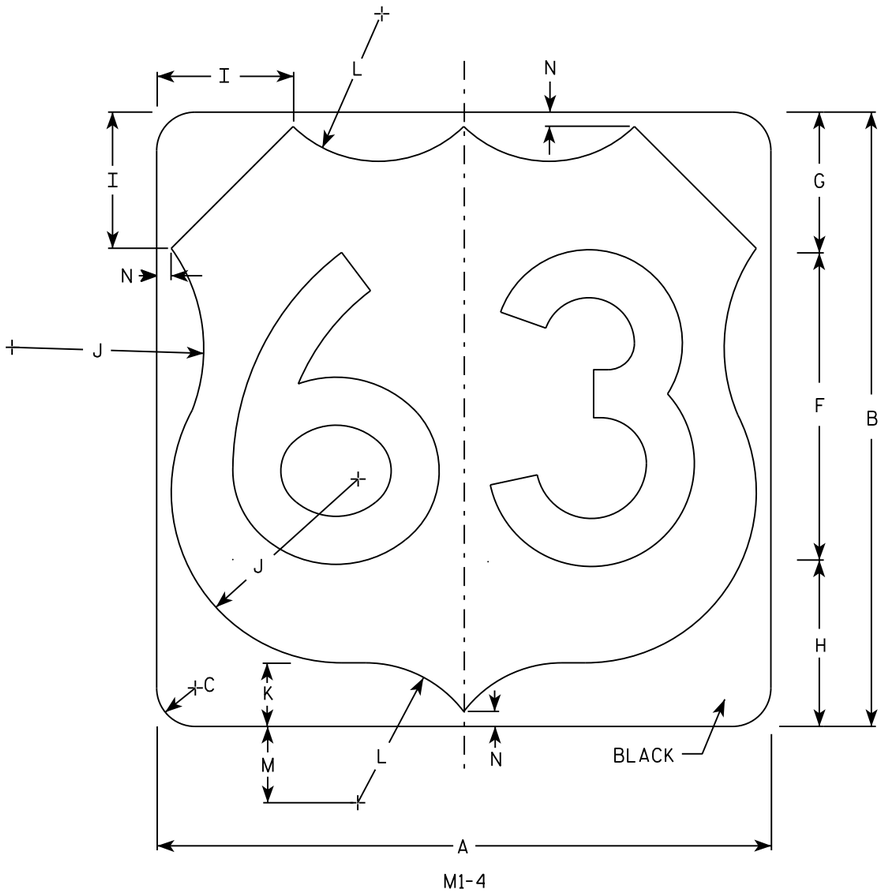
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

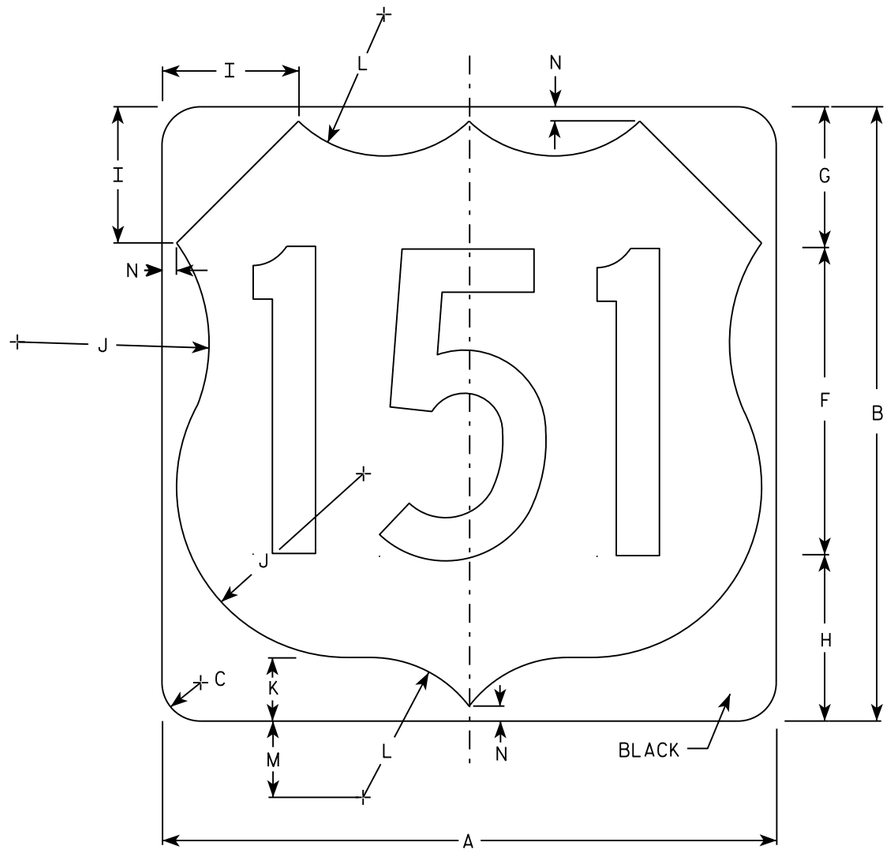
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 189	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
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.



M1-4



M1-4

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	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

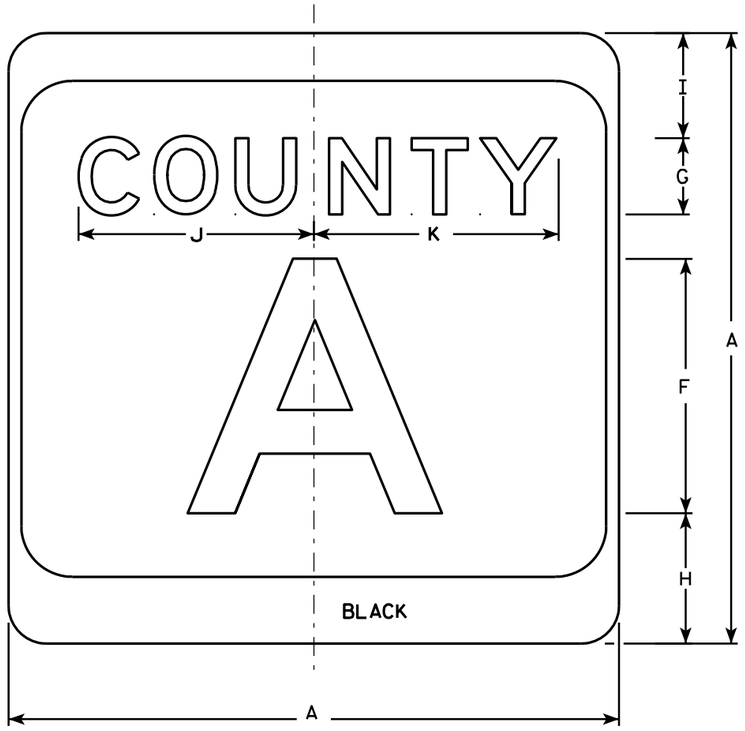
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

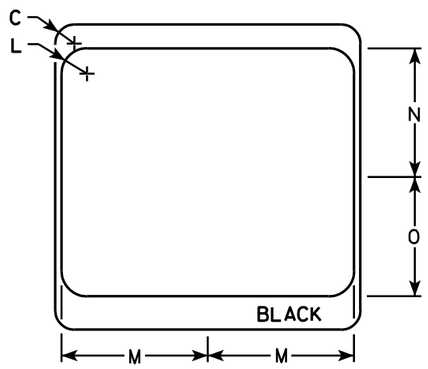
APPROVED Matthew R Rauch
for State Traffic Engineer

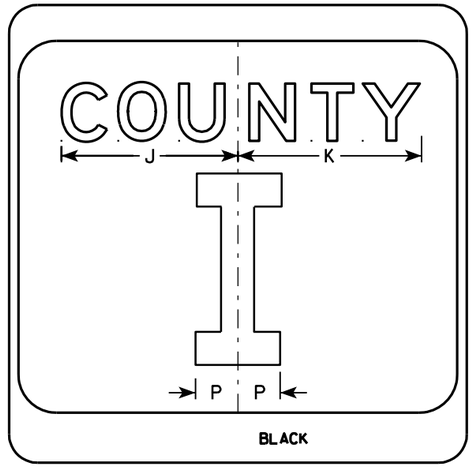
DATE 3/16/18 PLATE NO. M1-4.10

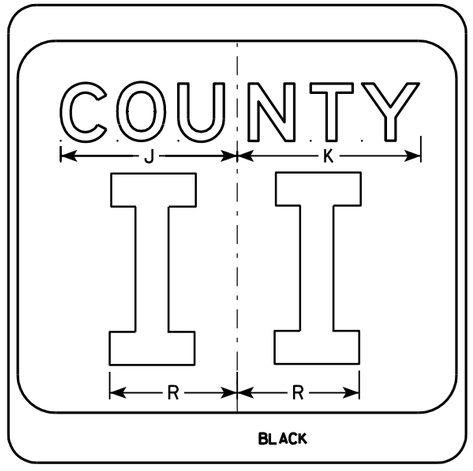
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 190	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   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. 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.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

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
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

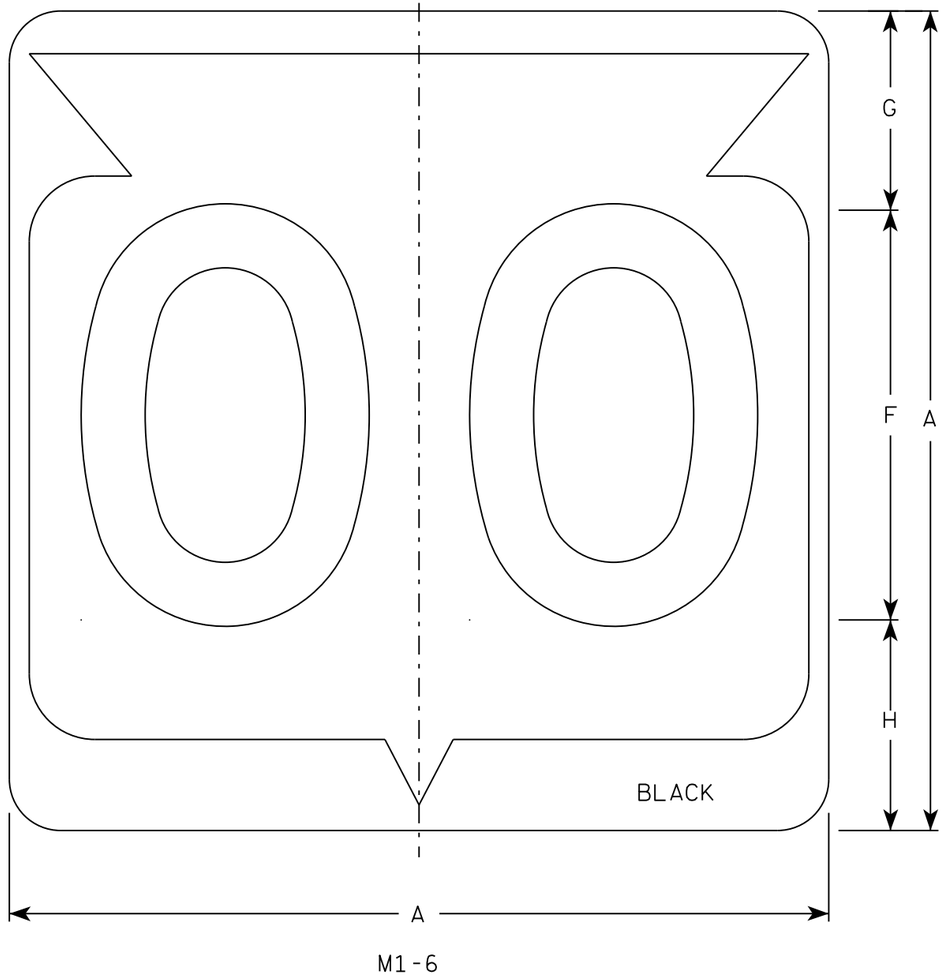
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

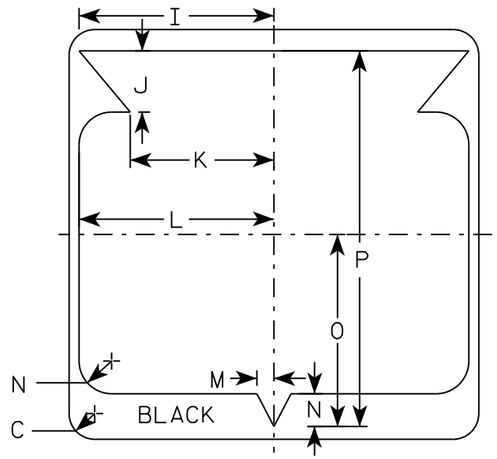
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 191	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

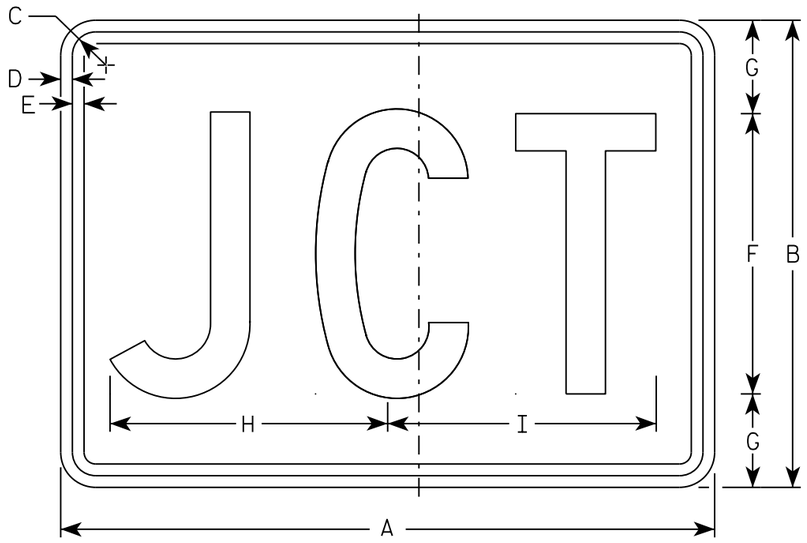
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

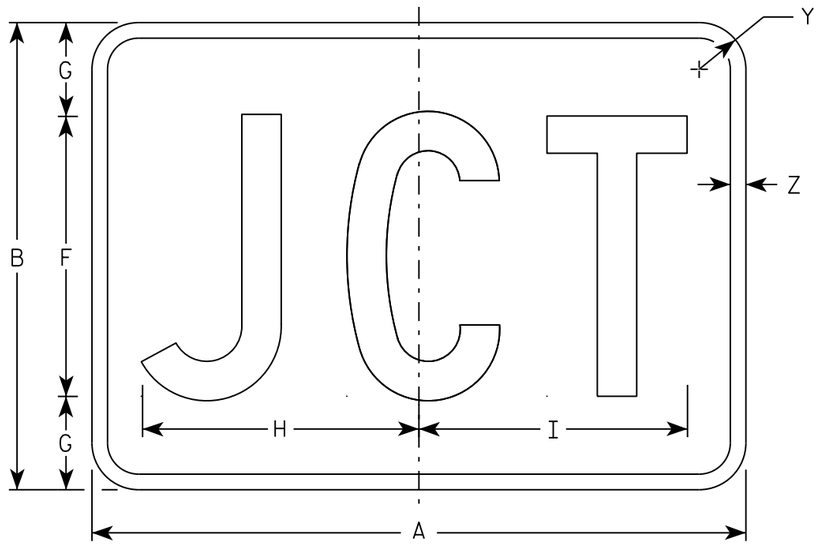
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 192 | E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

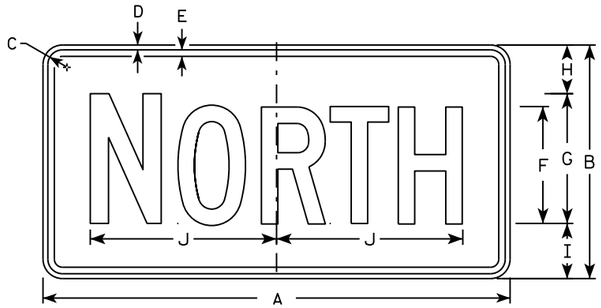
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

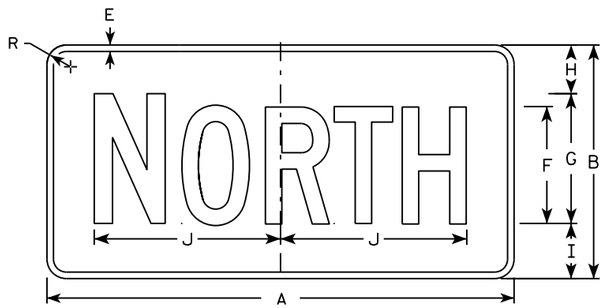
DATE 10/15/15 PLATE 193 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



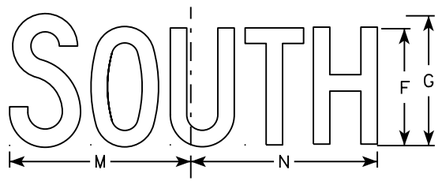
MB3-1
MK3-1
MN3-1



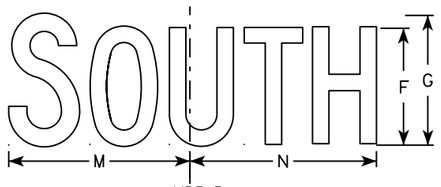
M3-2
MM3-2
MP3-2



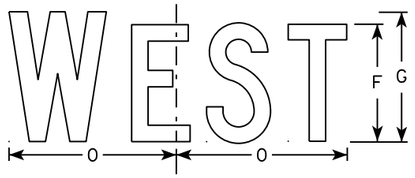
MB3-2
MK3-2
MN3-2



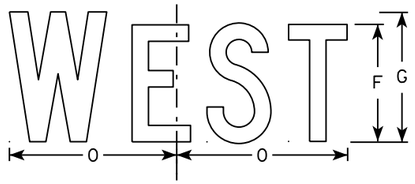
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

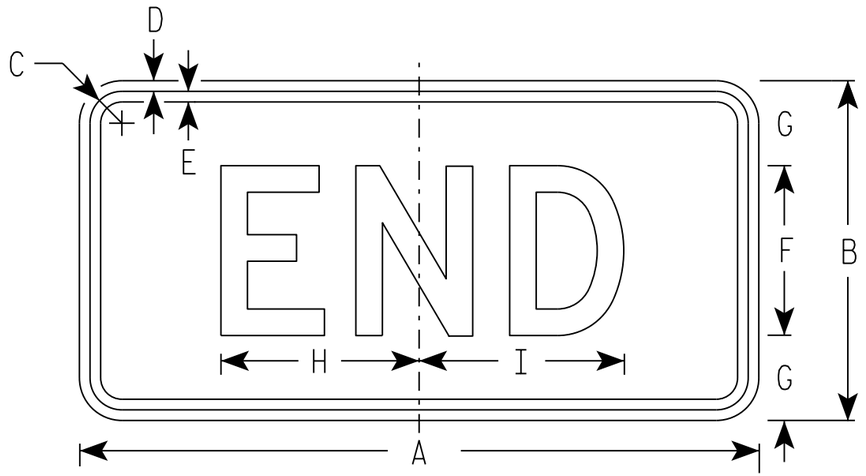
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

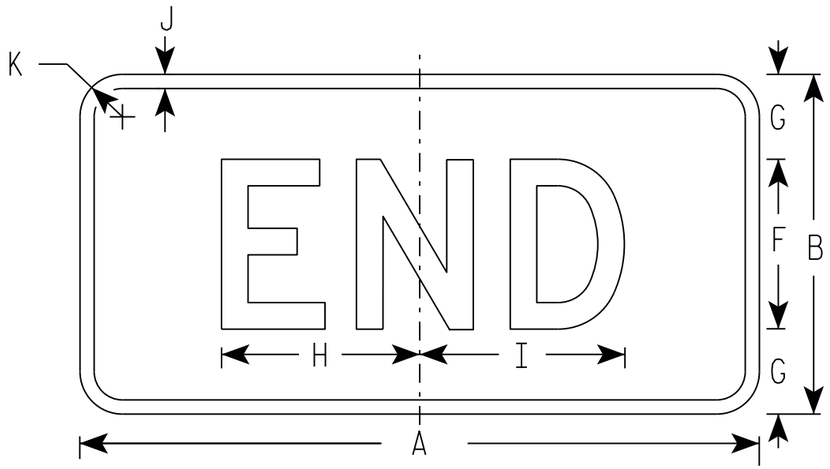
DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MP4-6 Background - White
   Message - Blue

   MR4-6 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

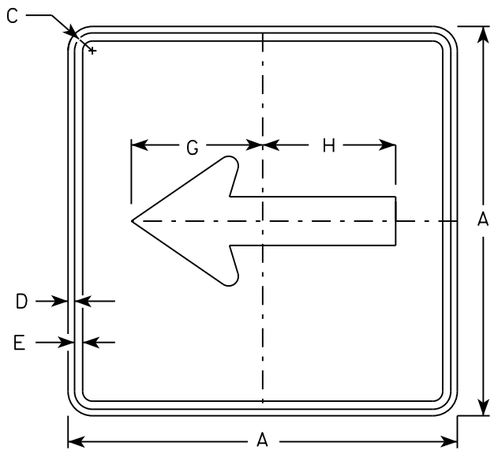
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

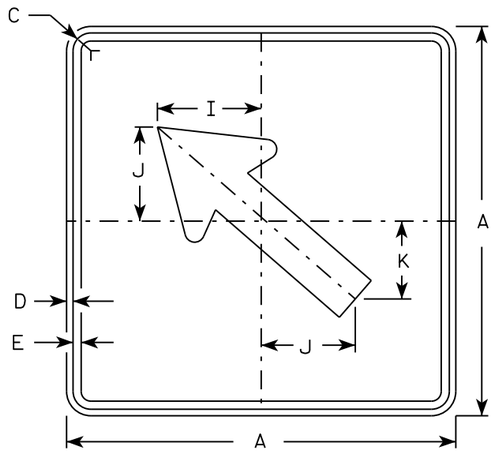
DATE 10/15/15 PLATE 195 '14-7.9

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M46.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



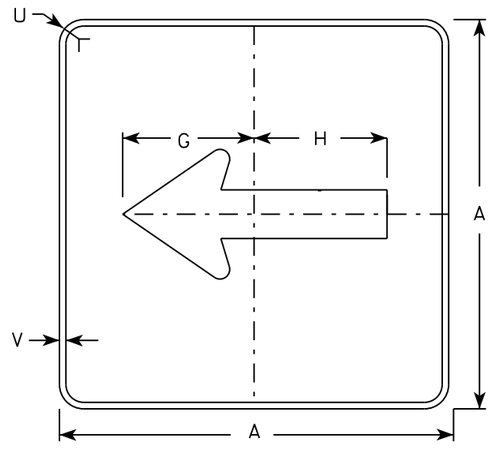
M6-1
MM6-1
MO6-1
MP6-1



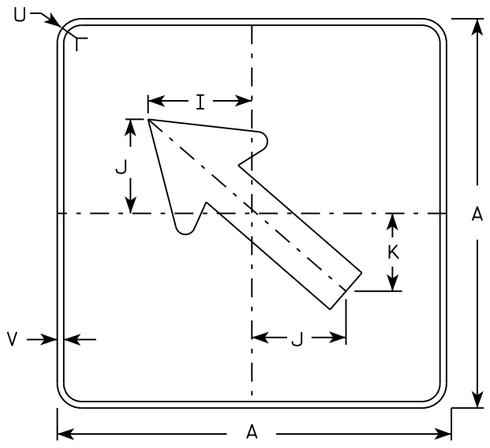
M6-2
MM6-2
MO6-2
MP6-2

NOTES

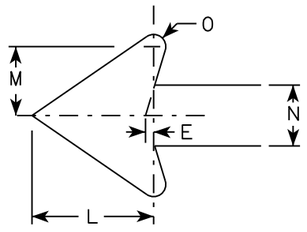
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



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	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

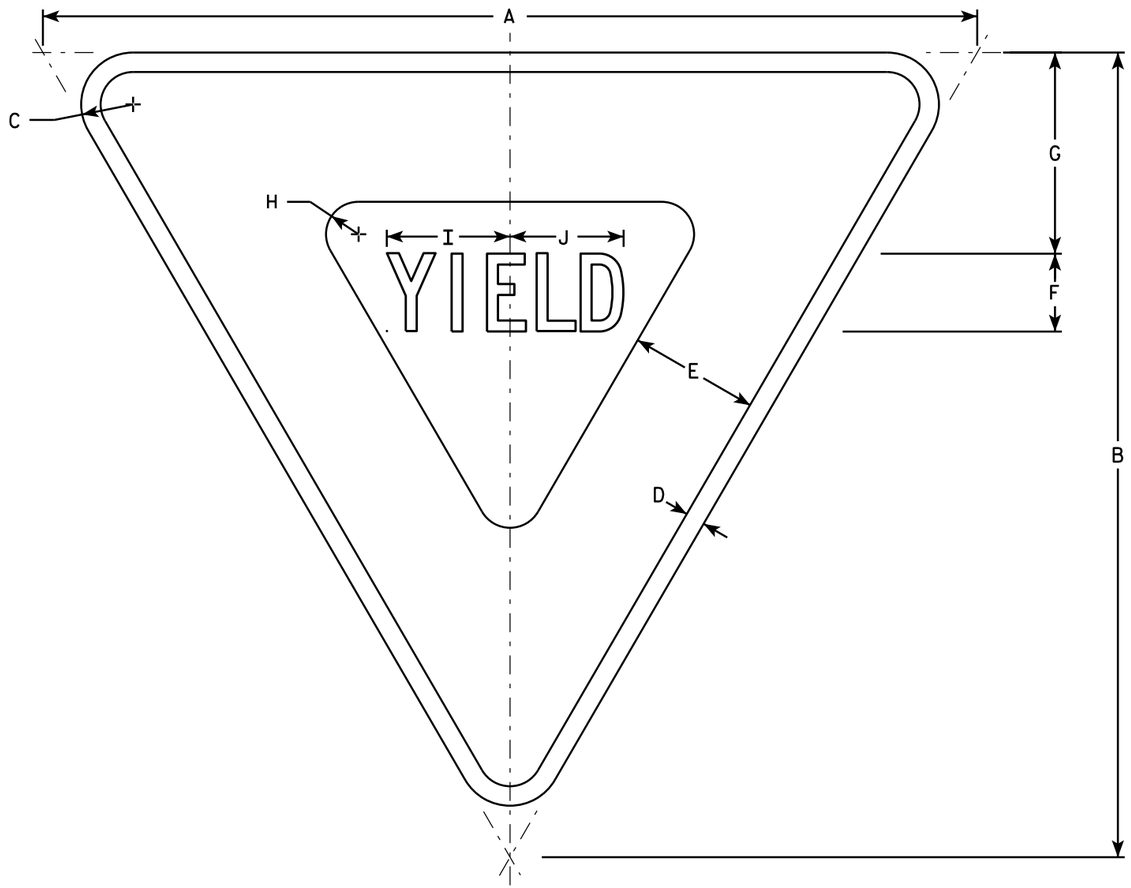
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 196 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

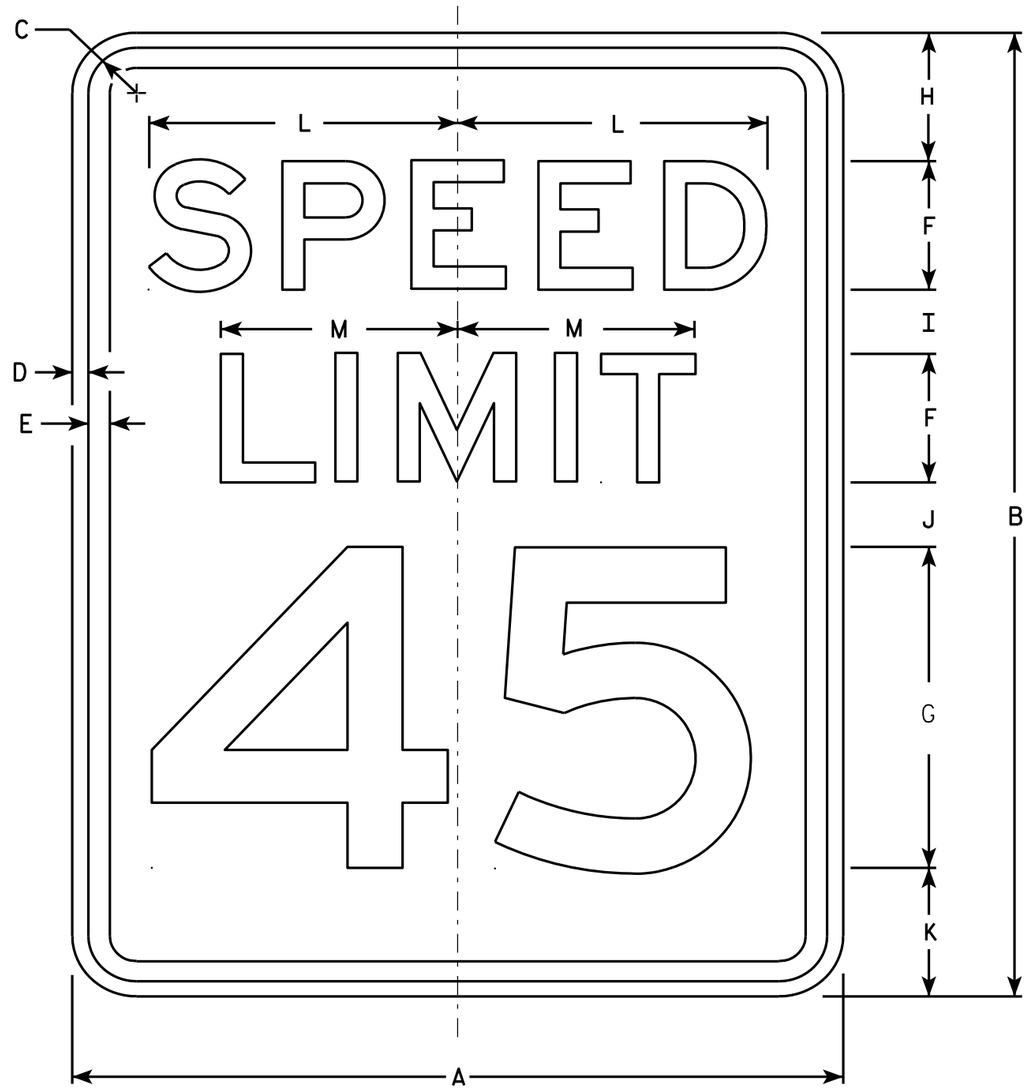
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

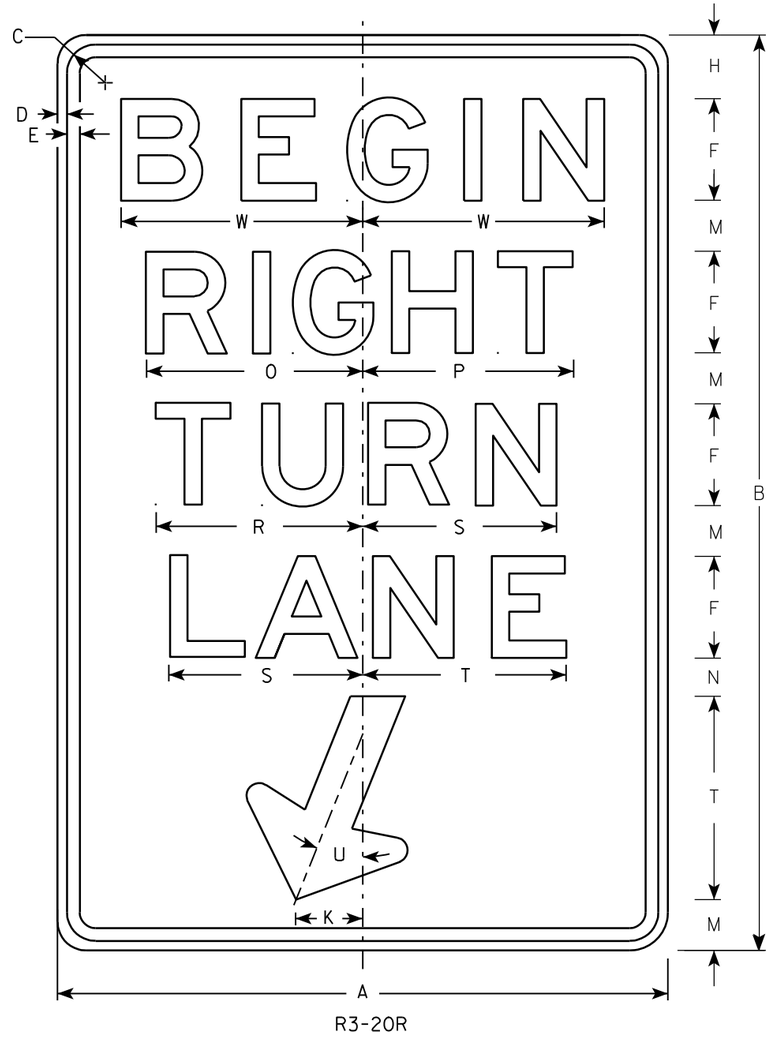
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

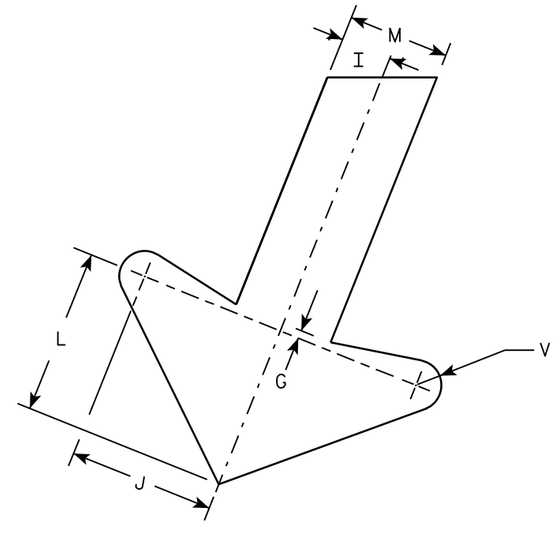
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 198 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

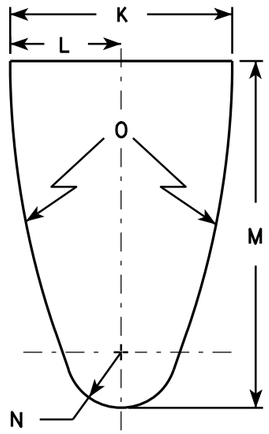
STANDARD SIGN
R3-20R

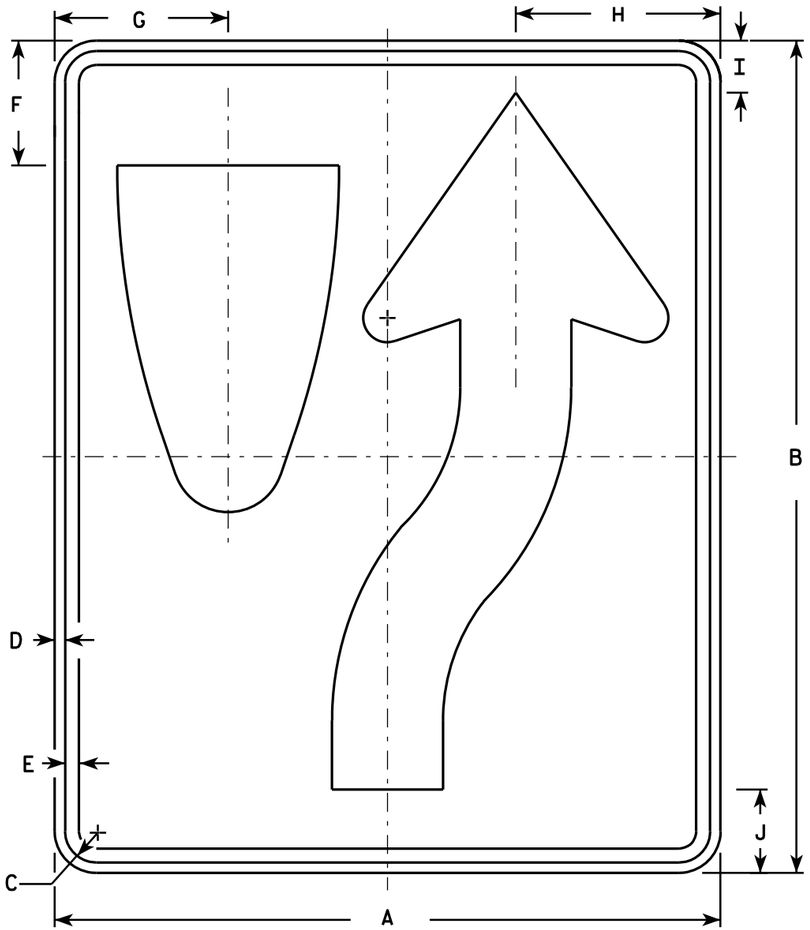
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 199 | E

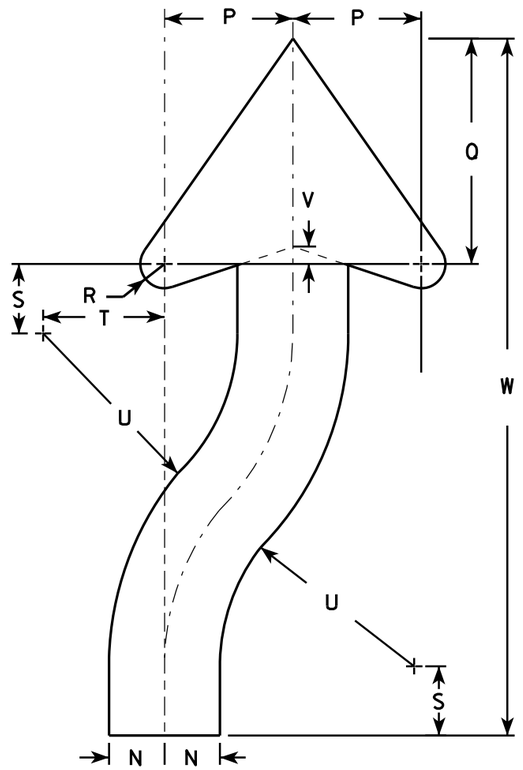




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

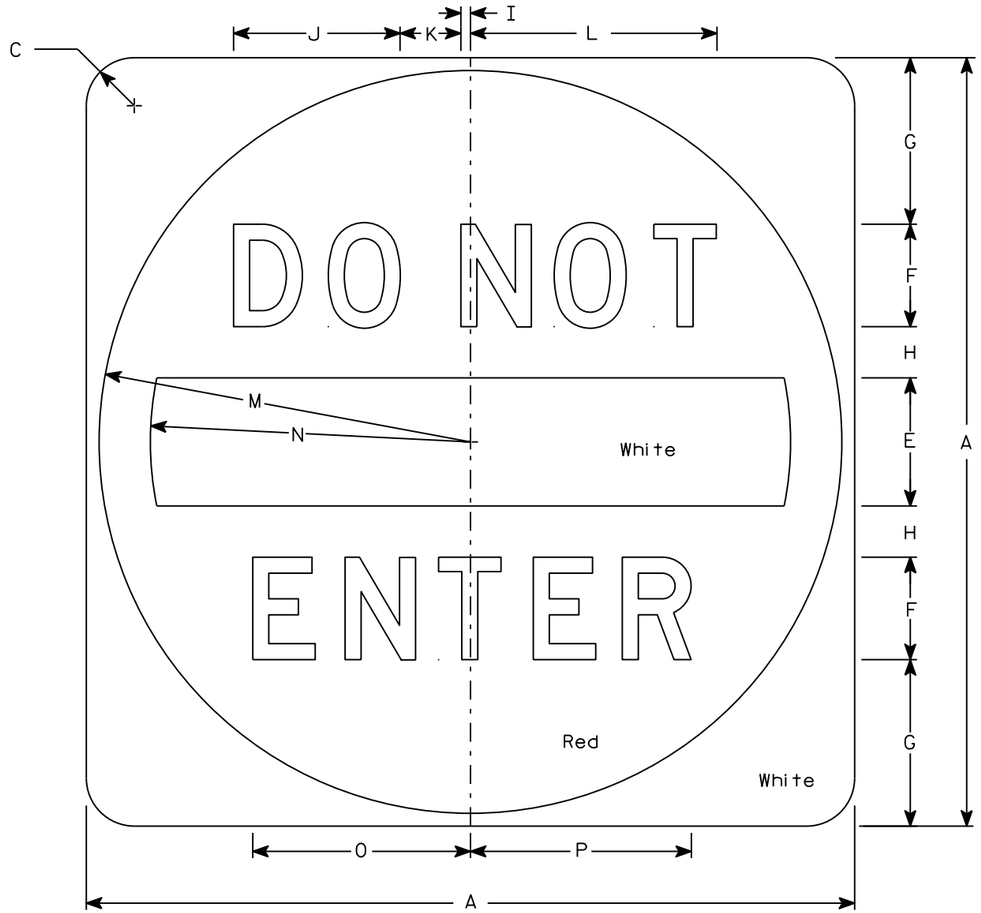
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 200	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

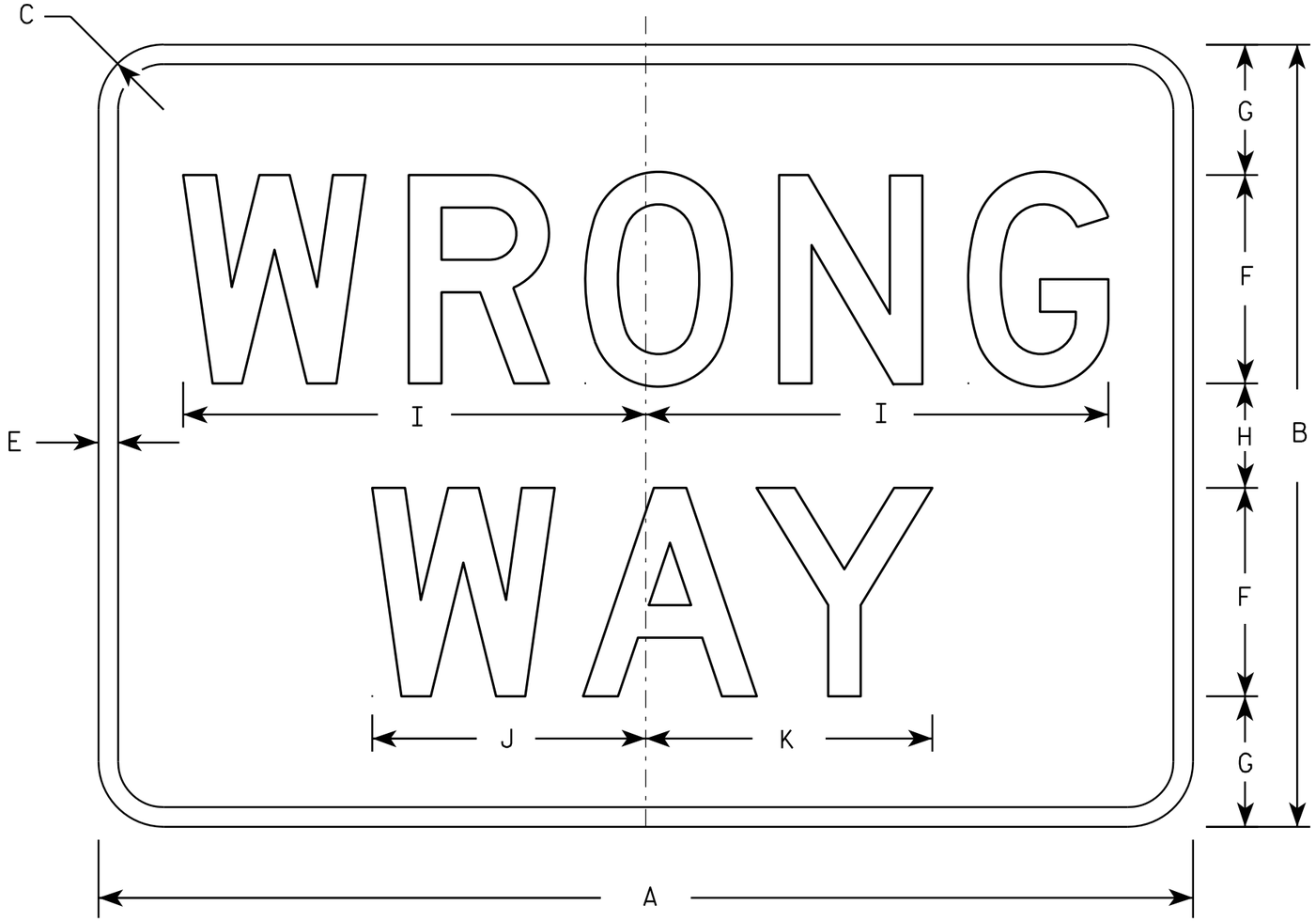
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 201 | E



R5-1A

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

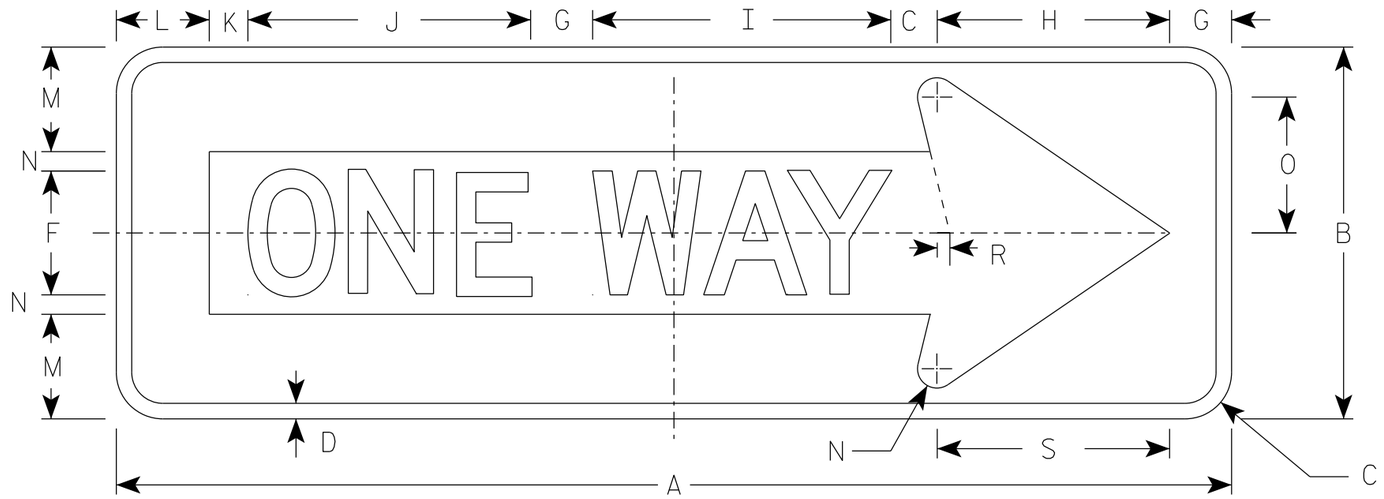
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

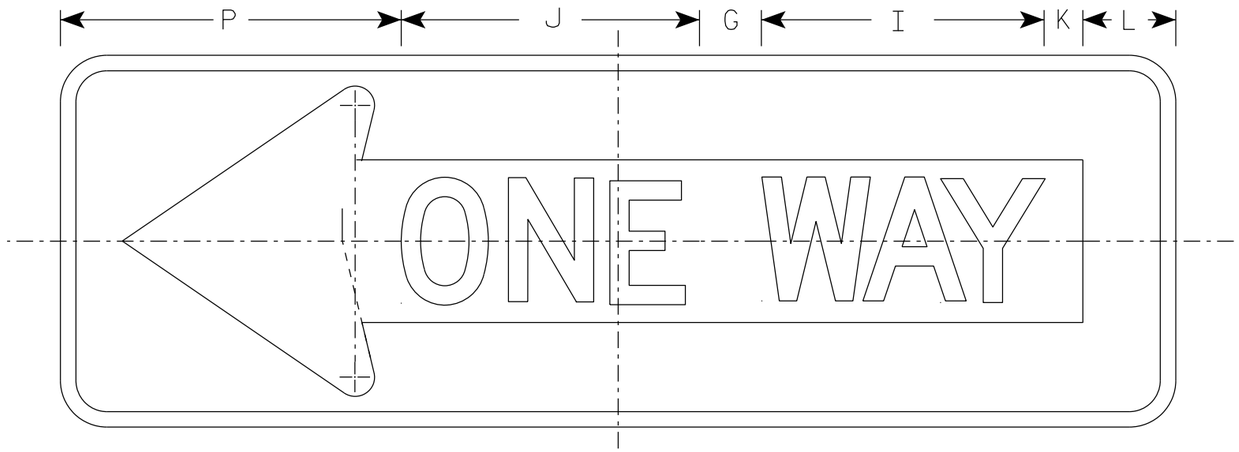
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 202	E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

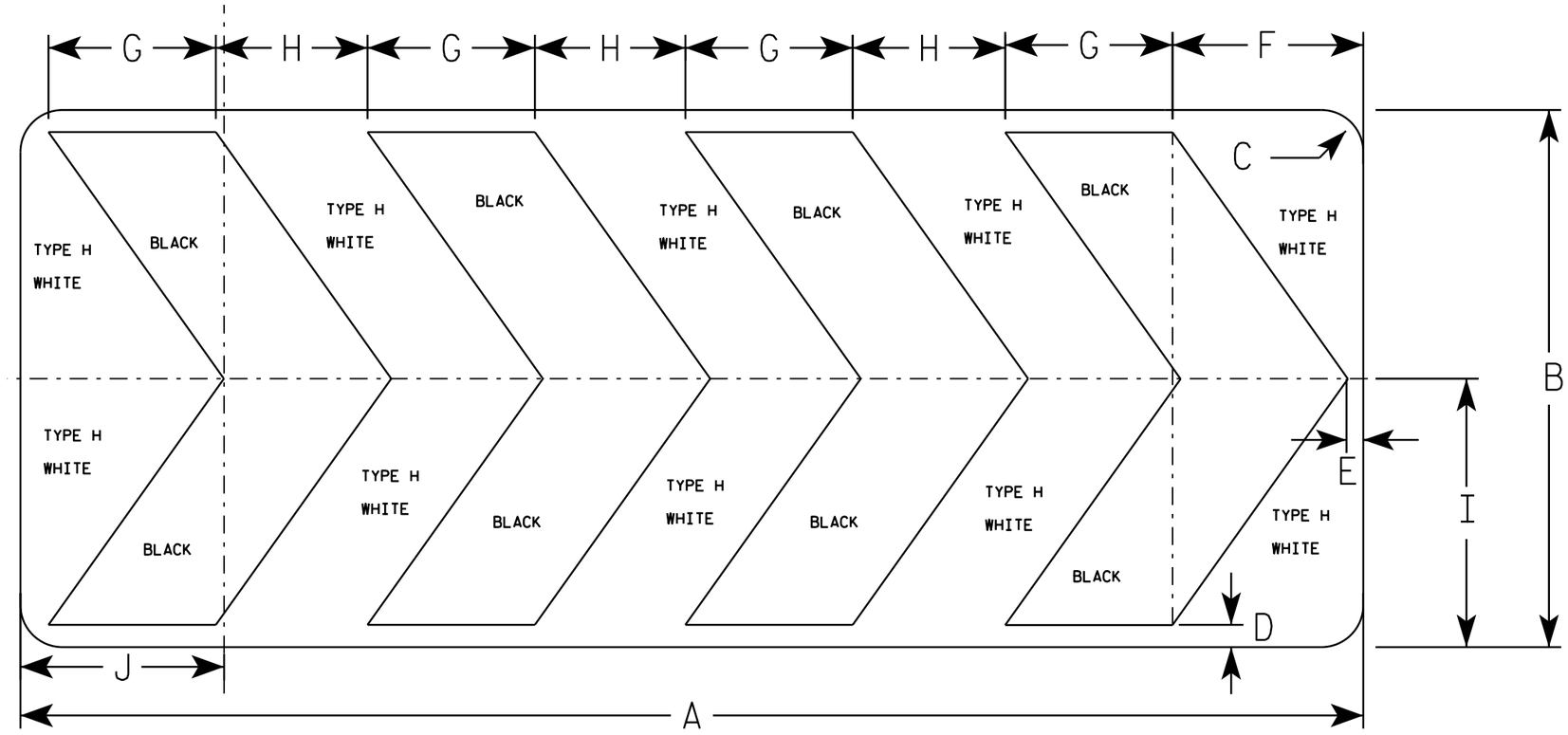
DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

SHEET NO: 203 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

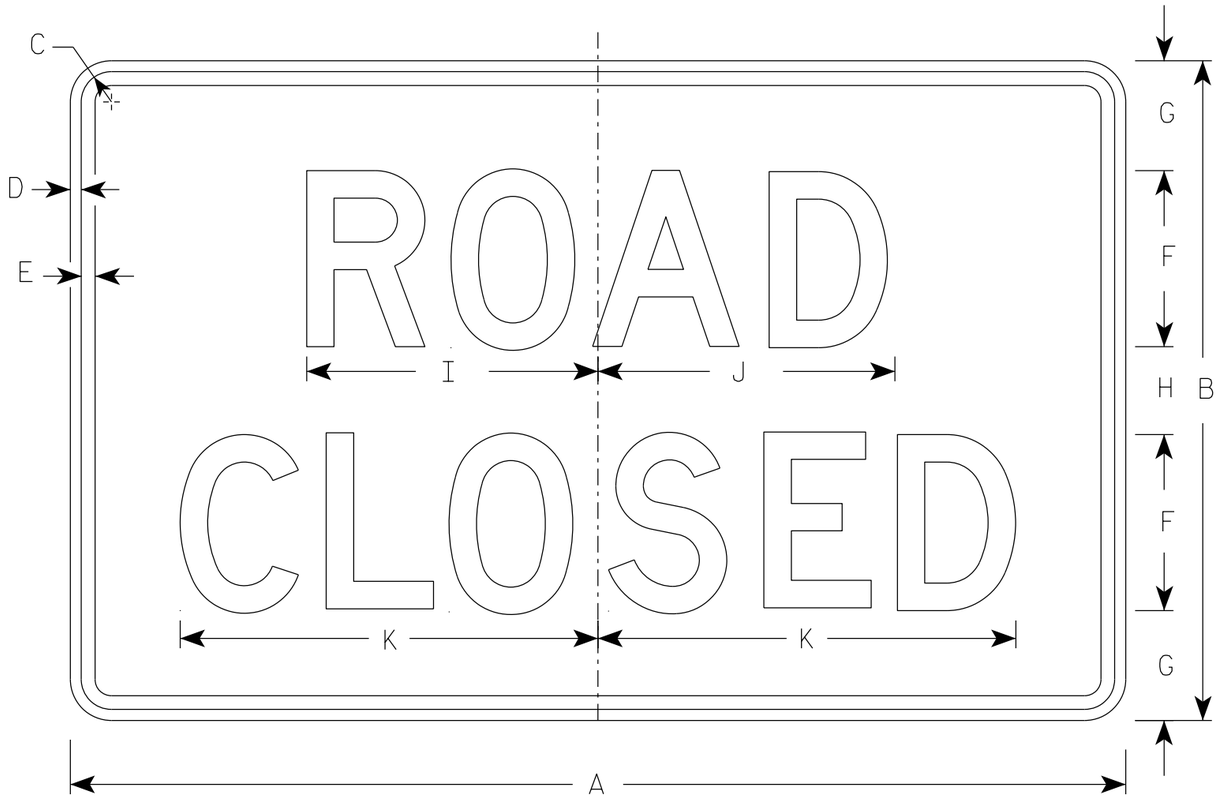
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

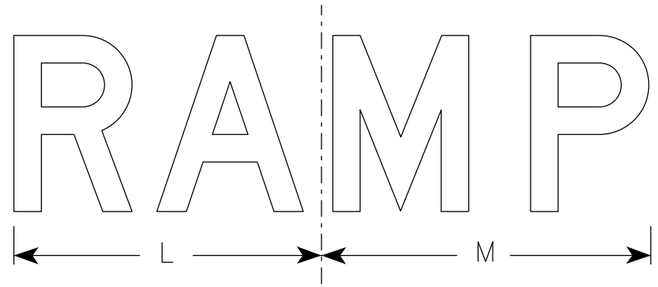
WISDOT/CADDS SHEET 42



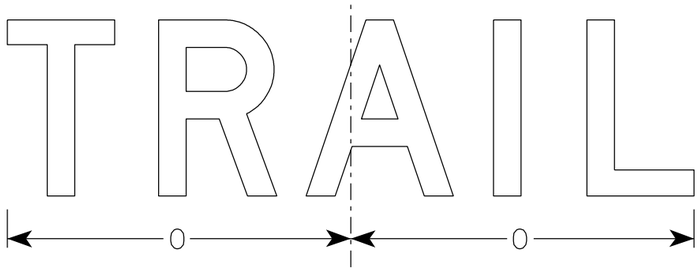
R11-2

NOTES

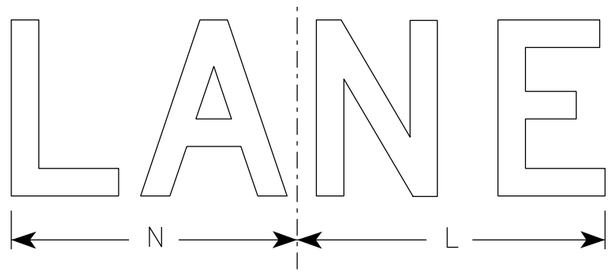
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

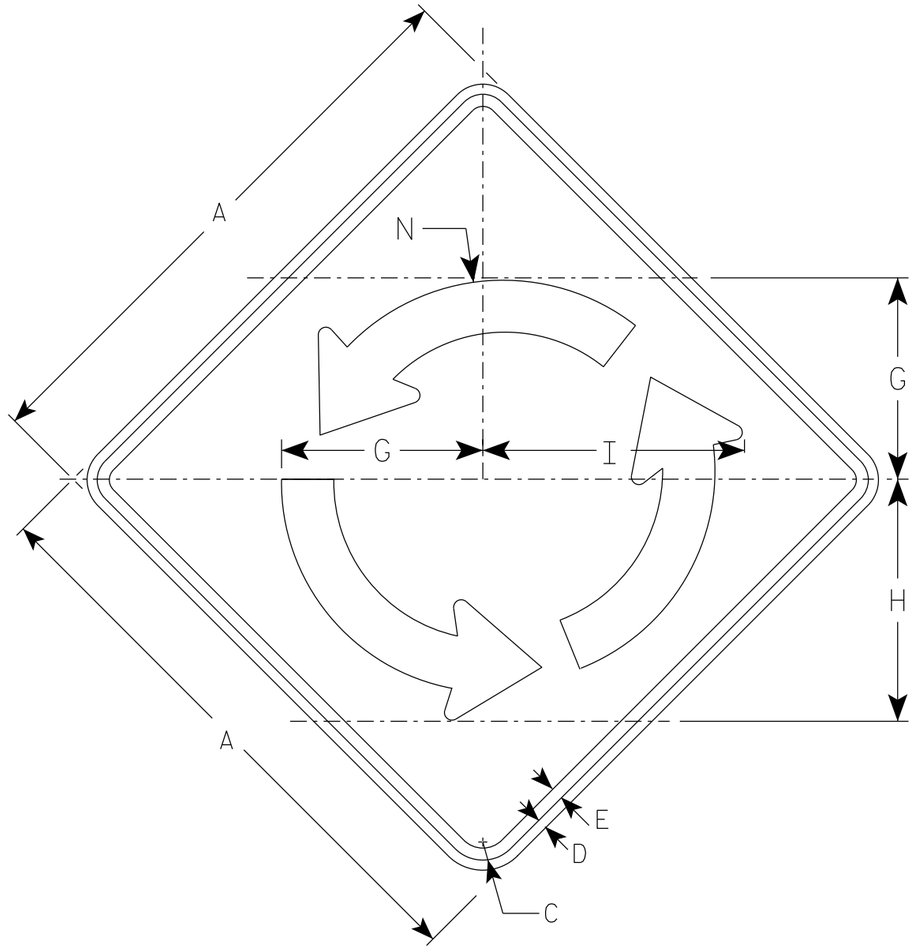
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 205	E

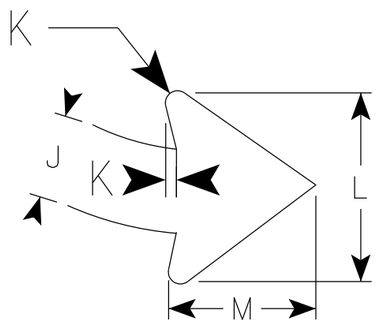


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

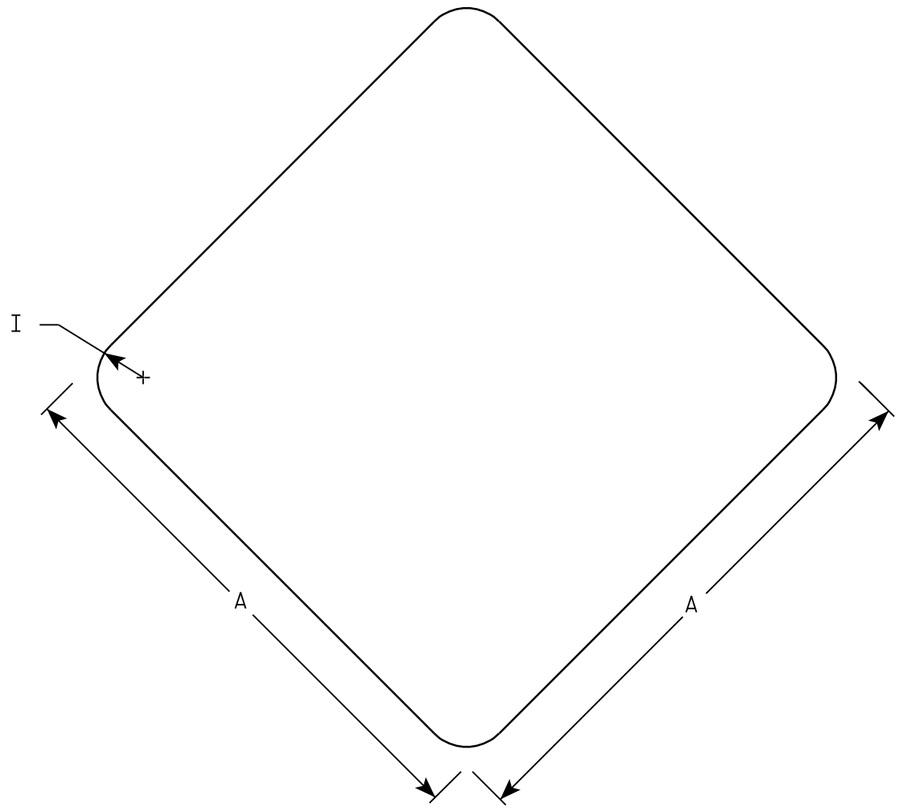
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

SHEET NO: 206 E



W5-54

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners 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	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

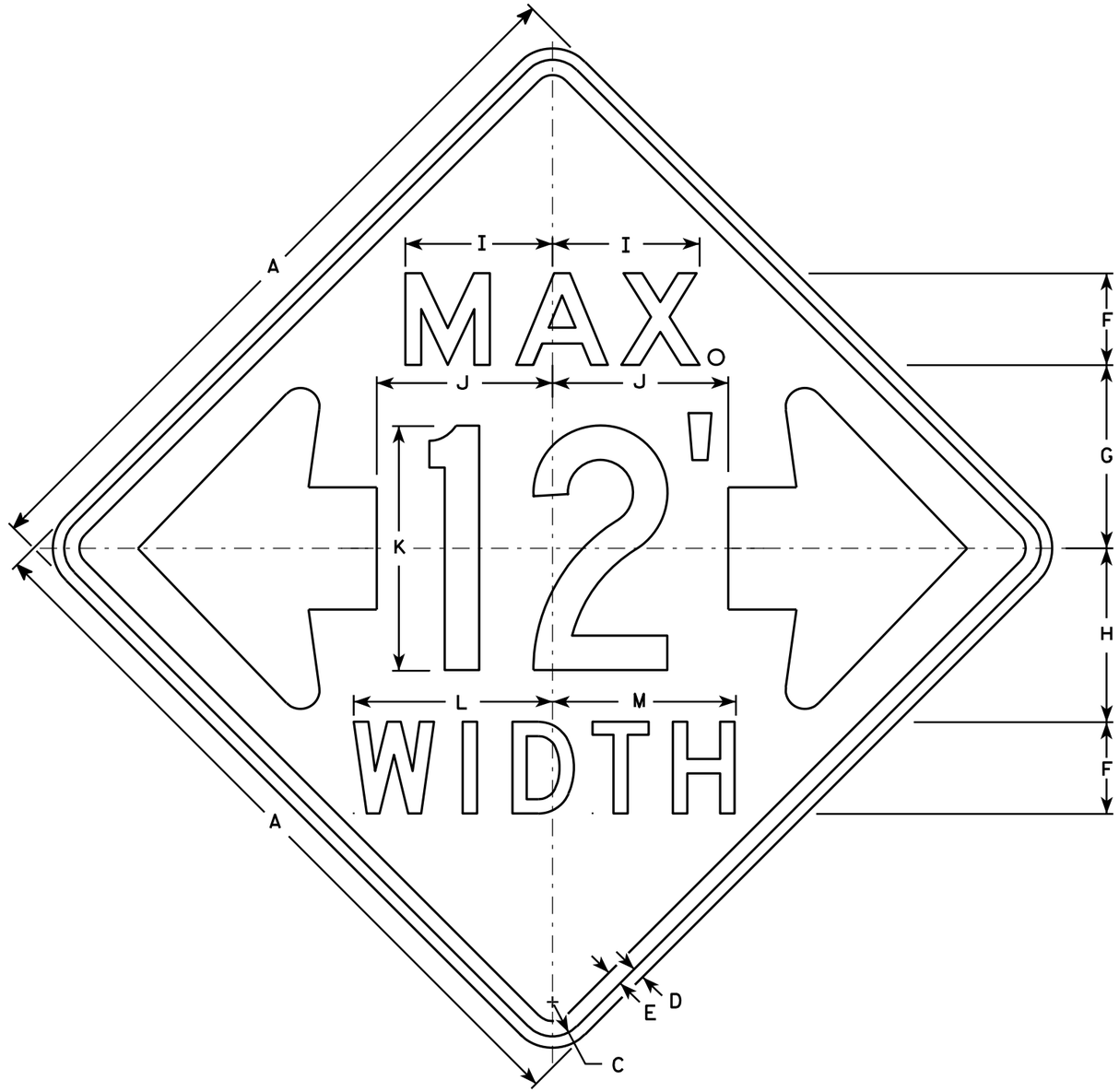
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

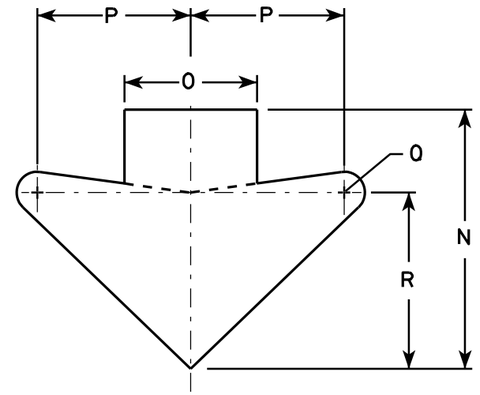
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 207 | E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

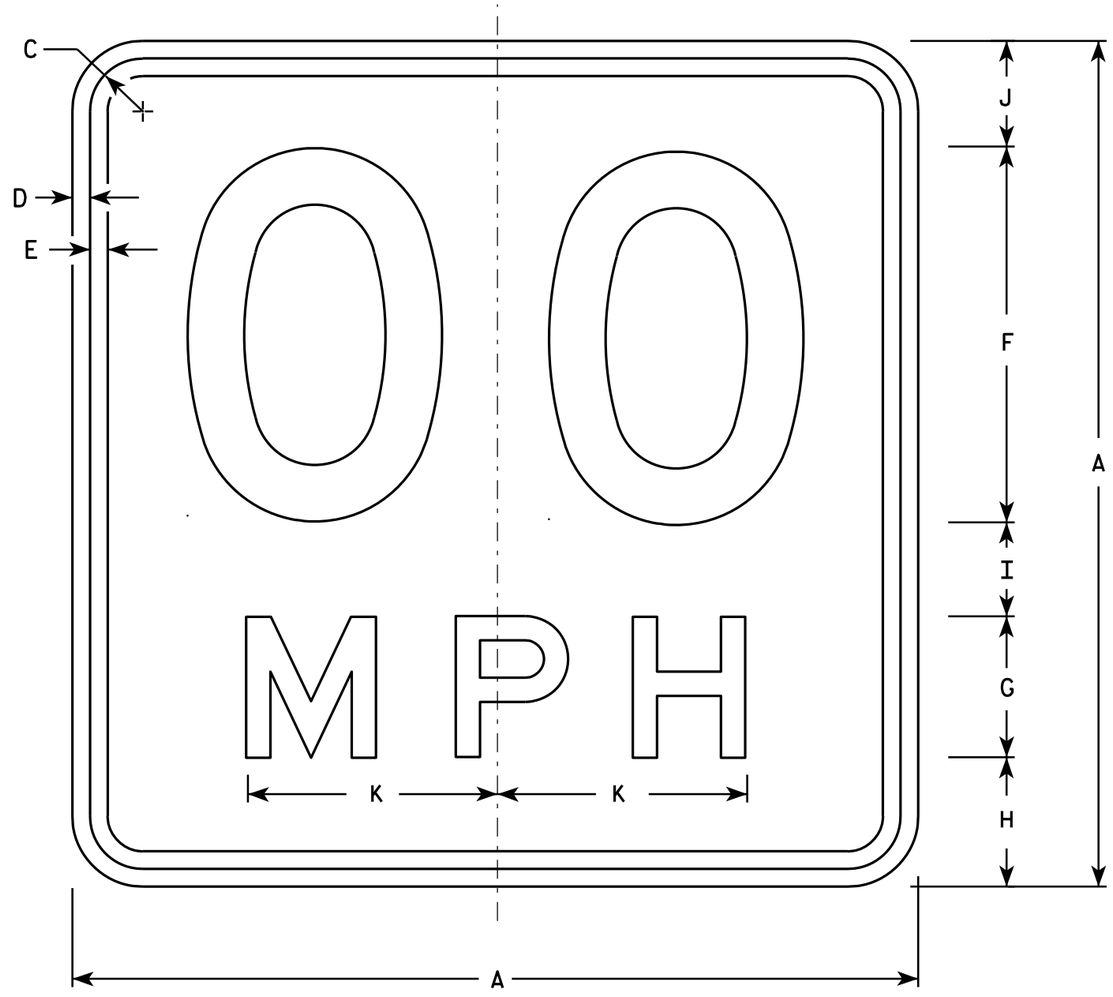
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 208 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

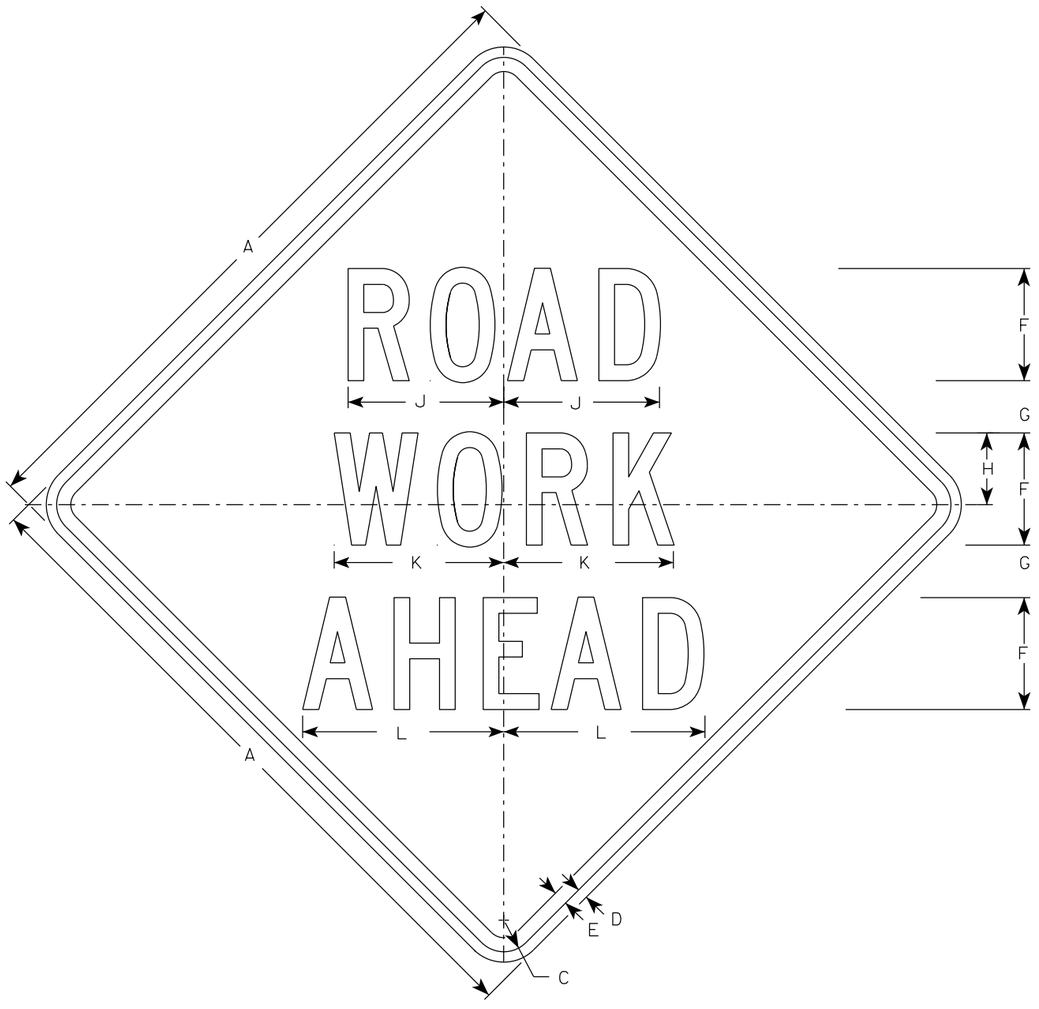
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

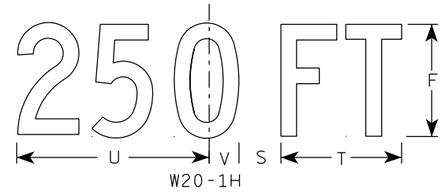
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

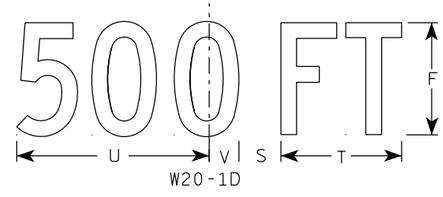
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 209 | E



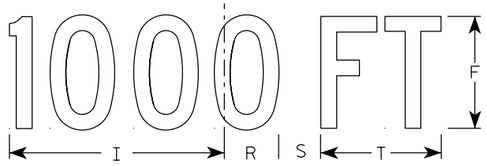
W20-1A



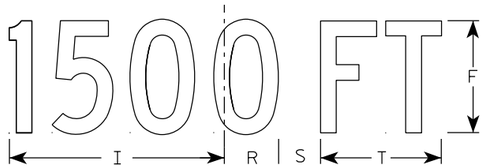
W20-1H



W20-1D



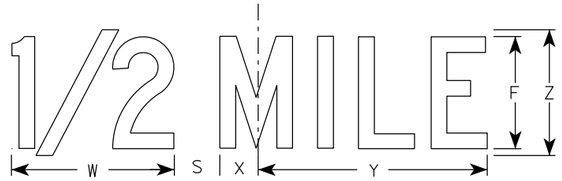
W20-1C



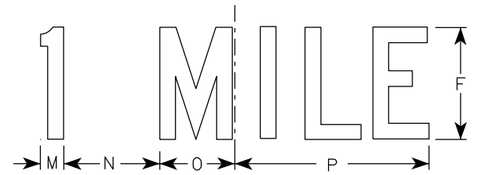
W20-1B

NOTES

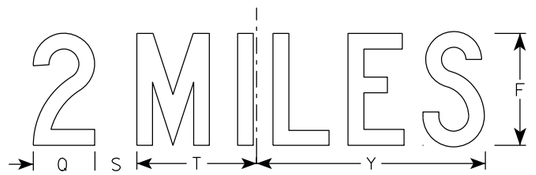
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

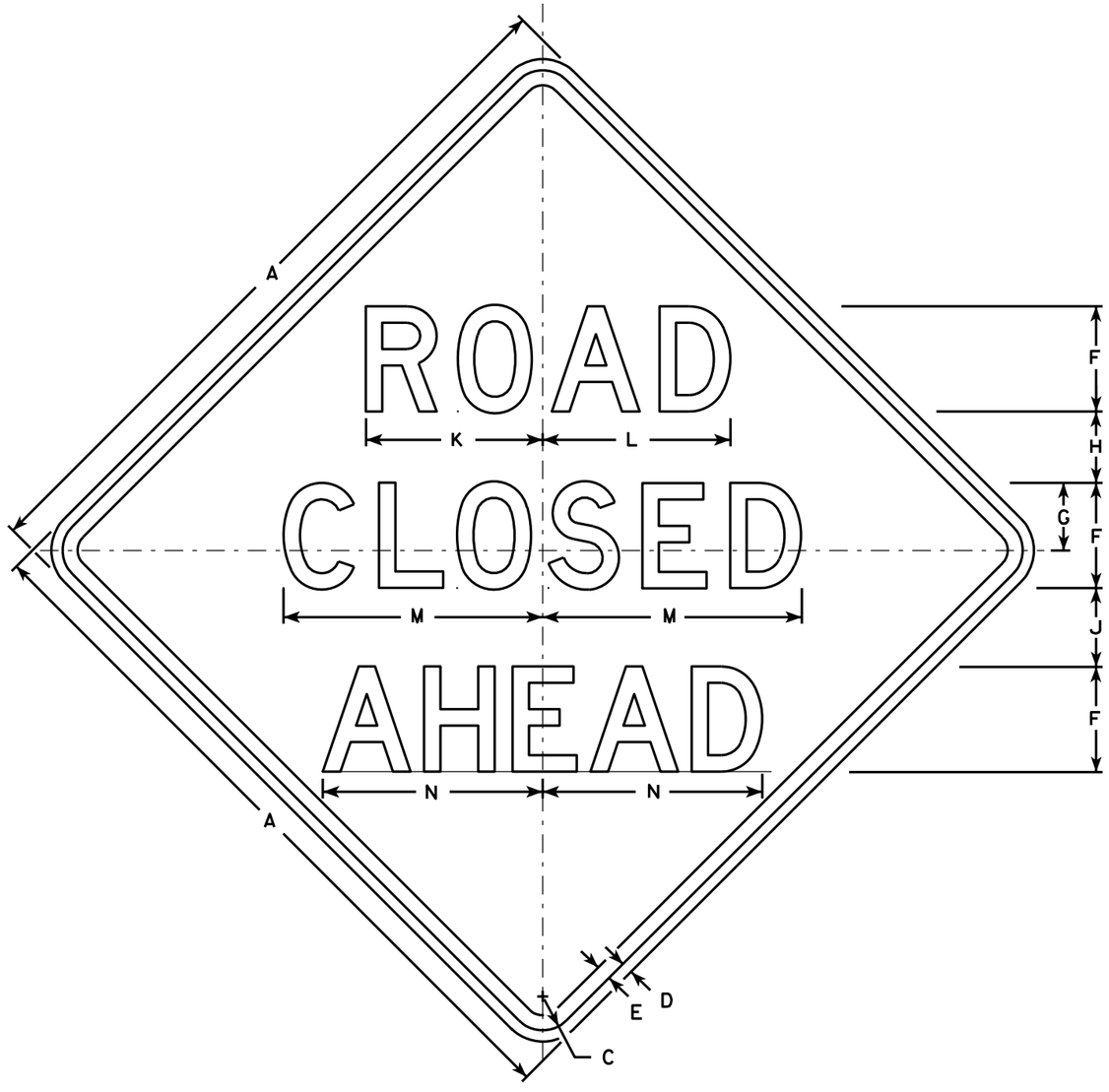
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

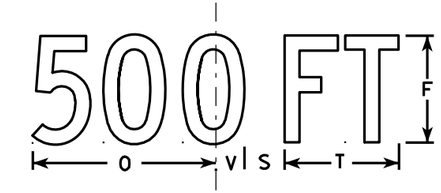
WISDOT/CADDS SHEET 42

7

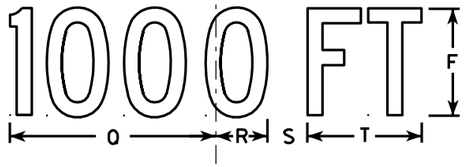
7



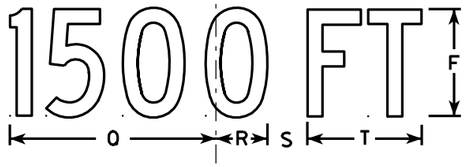
W20-3A



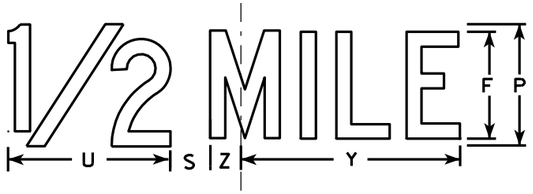
W20-3D



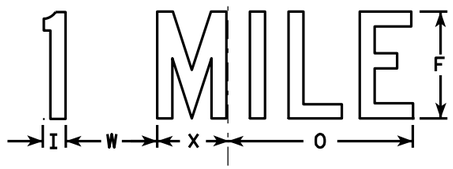
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

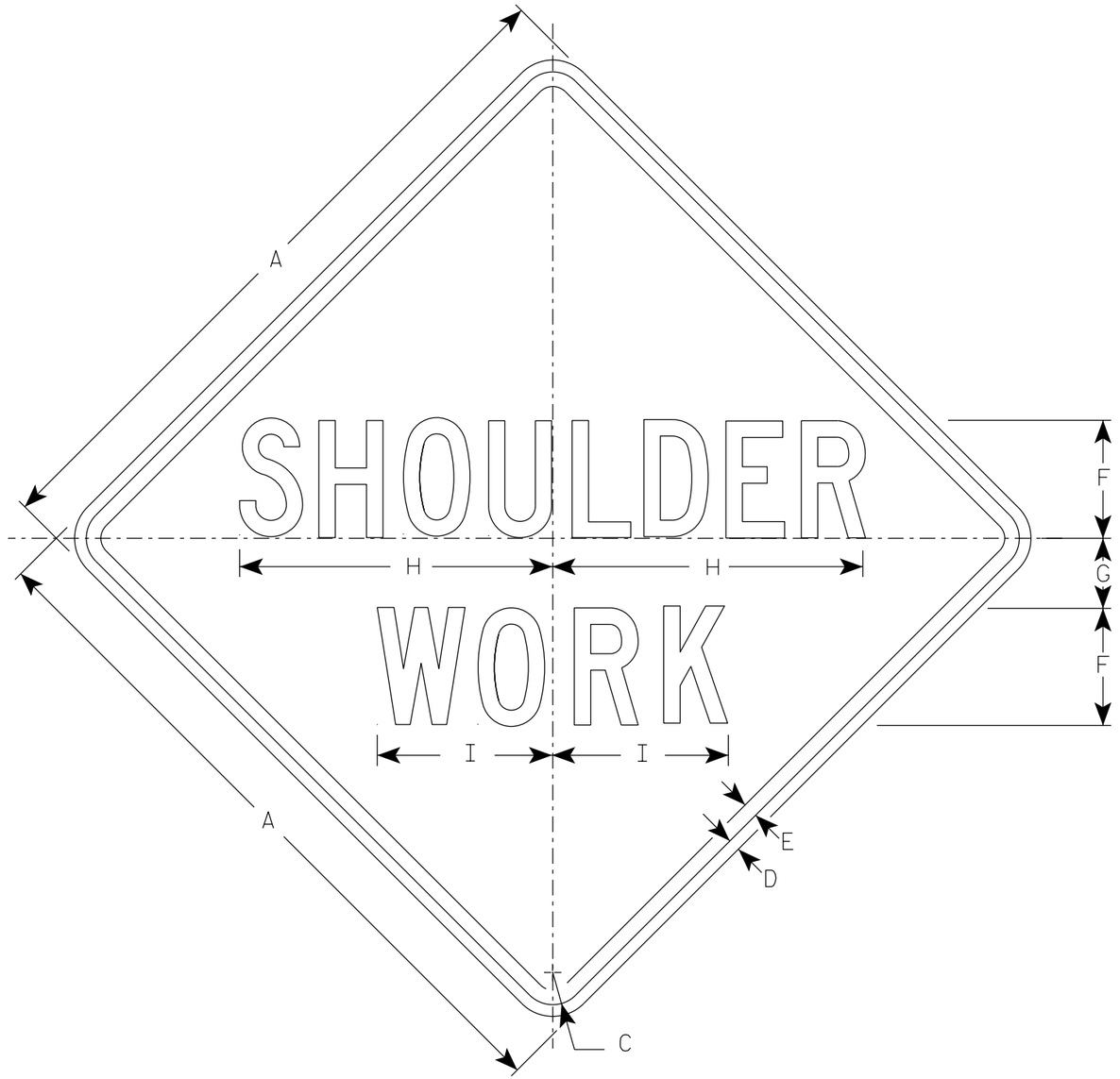
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 211 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



W21-5

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		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
2S	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

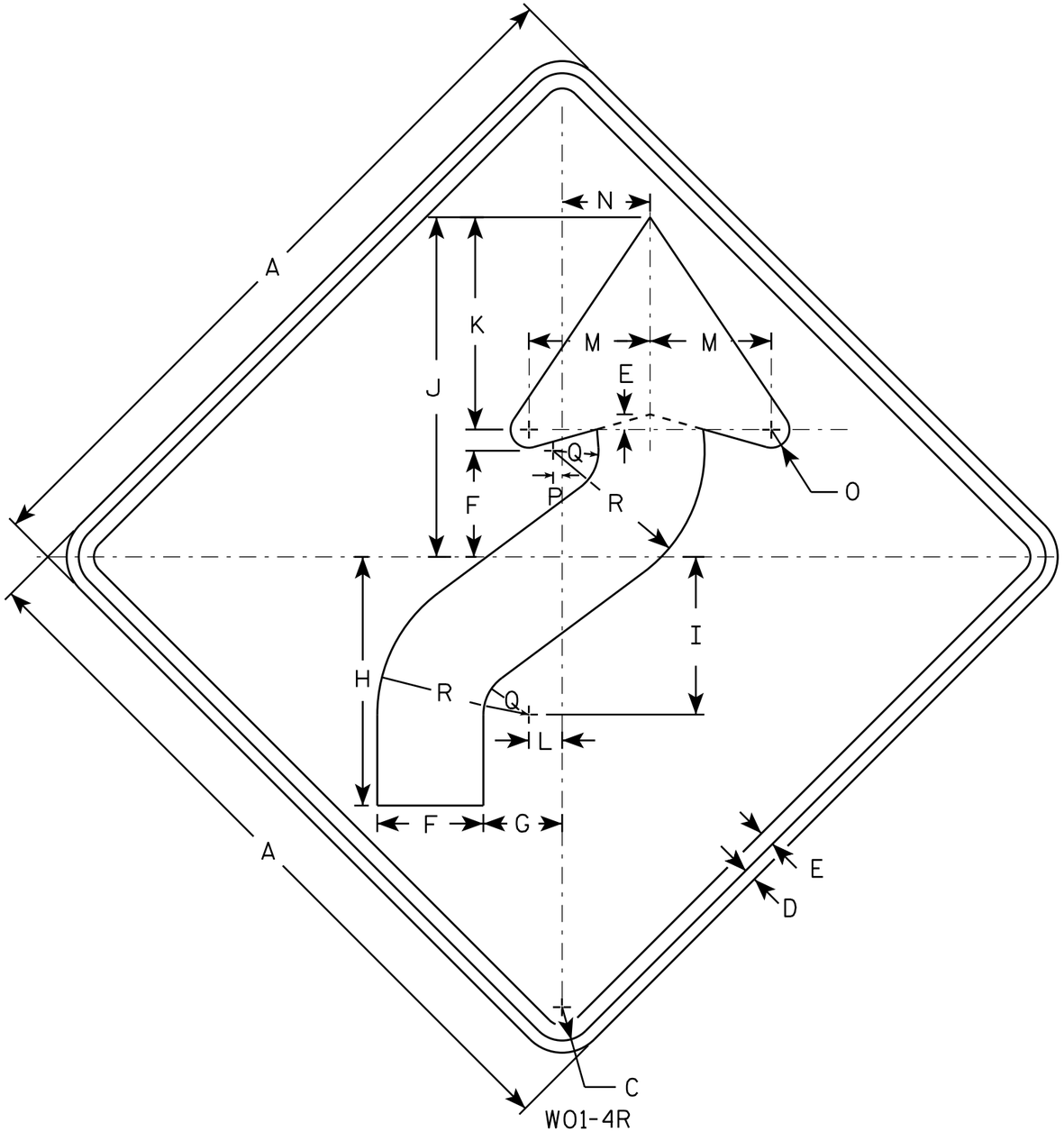
STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-5.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 212	E



WO1-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. WO1-4L is the same as WO1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
WO1-4

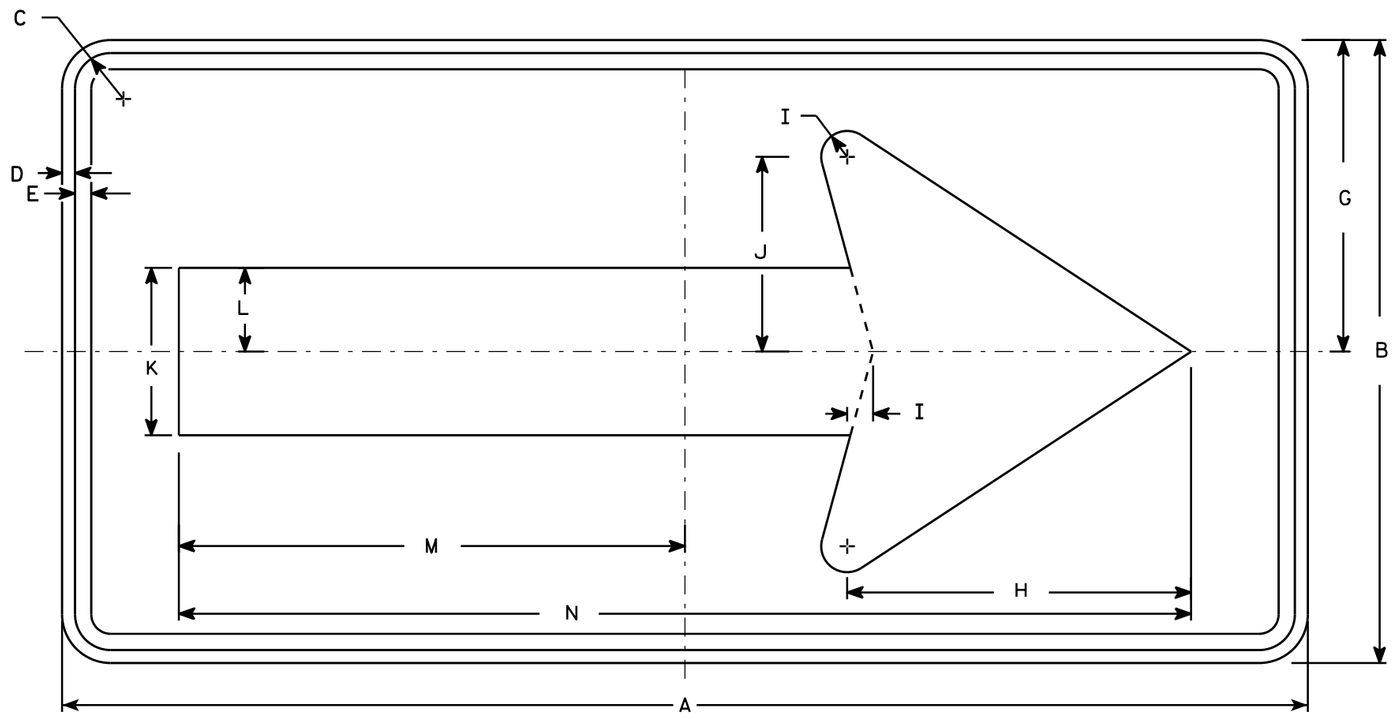
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO WO1-4.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\WO14.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

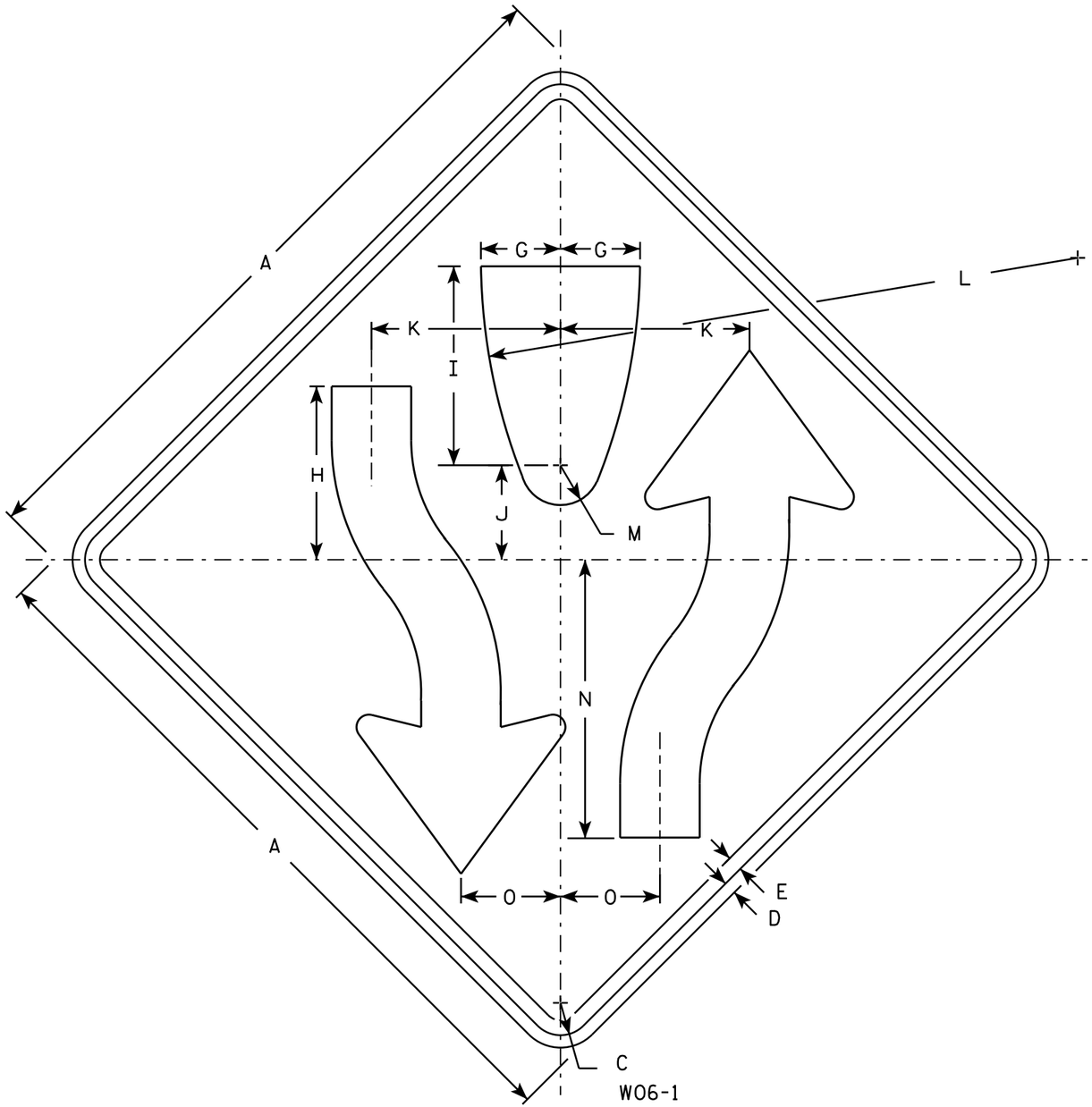
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

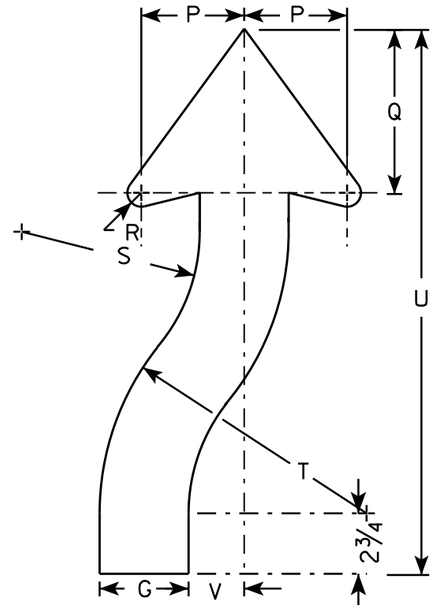
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W06-2 same as W06-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2S	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
2M	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
3	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W06-1 & W06-2

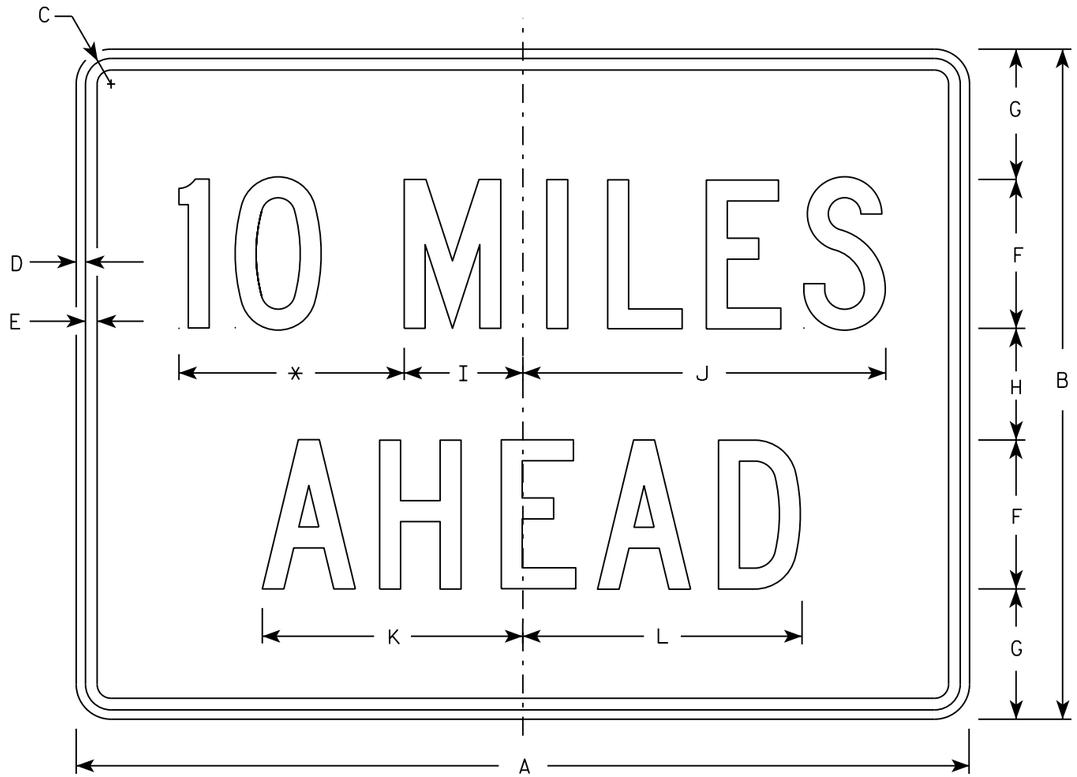
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

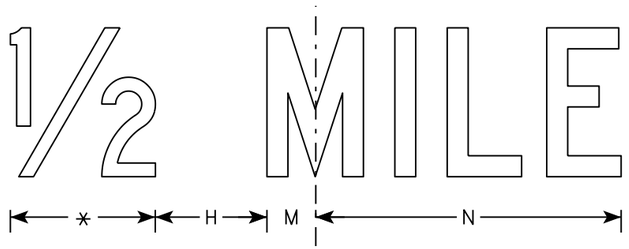
DATE 11/20/13 PLATE NO W06-1.1

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W061.DGN PLOT DATE : 20-NOV-2013 12:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810449:1.000000
WISDOT/CADDS SHEET 42



W057-52



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.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* 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	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 216	E

DIVISION 1 - TEMPORARY RD

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
5+75.00T	2.01	0.00	0	0	0	0	0
6+00.00T	3.28	0.01	2	0	2	0	2
6+25.00T	4.72	0.05	4	0	6	0	6
6+50.00T	6.06	0.05	5	0	11	0	11
6+75.00T	7.64	0.10	6	0	17	0	17
7+00.00T	9.47	0.17	8	0	25	0	25
7+25.00T	9.79	0.10	9	0	34	0	34
7+50.00T	10.47	0.00	9	0	43	0	43
7+75.00T	16.70	0.00	13	0	56	0	56
8+00.00T	10.90	2.82	13	1	69	1	68
8+25.00T	12.60	7.79	11	5	80	8	73
8+50.00T	11.90	10.99	11	9	91	19	72
8+75.00T	11.04	14.38	11	12	102	34	68
9+00.00T	10.86	15.48	10	14	112	51	61
9+25.00T	11.27	15.70	10	14	122	69	53
9+50.00T	12.20	28.63	11	21	133	95	38
9+75.00T	10.43	40.65	10	32	143	135	8
10+00.00T	10.67	61.30	10	47	153	194	-41
10+25.00T	14.69	78.75	12	65	165	275	-110
10+50.00T	14.21	62.10	13	65	178	356	-178
10+75.00T	11.43	46.02	12	50	190	419	-229
11+00.00T	10.70	52.02	10	45	200	475	-275
11+25.00T	9.72	59.17	9	51	209	539	-330
11+50.00T	10.18	55.61	9	53	218	605	-387
11+75.00T	10.65	52.13	10	50	228	668	-440
12+00.00T	10.79	45.21	10	45	238	724	-486
12+25.00T	10.61	42.09	10	40	248	774	-526
12+50.00T	10.05	48.12	10	42	258	826	-568
12+75.00T	10.19	46.69	9	44	267	881	-614
13+00.00T	10.89	41.58	10	41	277	933	-656
13+25.00T	10.78	54.54	10	45	287	989	-702
13+50.00T	9.74	65.80	10	56	297	1,059	-762
13+75.00T	9.65	70.60	9	63	306	1,138	-832
14+00.00T	10.02	76.48	9	68	315	1,223	-908
14+25.00T	9.95	78.61	9	72	324	1,313	-989
14+50.00T	9.92	74.71	9	71	333	1,401	-1,068
14+75.00T	10.42	67.27	9	66	342	1,484	-1,142
15+00.00T	10.52	61.88	10	60	352	1,559	-1,207
15+25.00T	10.82	55.11	10	54	362	1,626	-1,264
15+50.00T	9.91	48.00	10	48	372	1,686	-1,314
15+75.00T	10.26	42.39	9	42	381	1,739	-1,358
16+00.00T	12.24	34.39	10	36	391	1,784	-1,393
16+25.00T	15.57	21.68	13	26	404	1,816	-1,412

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
16+50.00T	22.15	13.38	17	16	421	1,836	-1,415
16+75.00T	76.03	0.00	45	6	466	1,844	-1,378
17+00.00T	132.61	0.00	97	0	563	1,844	-1,281
17+25.00T	140.76	0.00	127	0	690	1,844	-1,154
17+50.00T	140.65	0.00	130	0	820	1,844	-1,024
17+75.00T	124.08	0.00	123	0	943	1,844	-901
18+00.00T	28.49	7.97	71	4	1,014	1,849	-835
18+25.00T	10.21	15.00	18	11	1,032	1,863	-831
18+50.00T	8.28	20.80	9	17	1,041	1,884	-843
18+75.00T	7.44	25.55	7	21	1,048	1,910	-862
19+00.00T	8.43	26.08	7	24	1,055	1,940	-885
19+25.00T	12.82	29.22	10	26	1,065	1,973	-908
19+50.00T	18.78	34.59	15	30	1,080	2,010	-930
19+75.00T	18.29	33.21	17	31	1,097	2,049	-952
20+00.00T	13.89	30.18	15	29	1,112	2,085	-973
20+25.00T	9.66	29.80	11	28	1,123	2,120	-997
20+50.00T	6.47	28.03	7	27	1,130	2,154	-1,024
20+75.00T	5.22	40.89	5	32	1,135	2,194	-1,059
21+00.00T	6.40	62.32	5	48	1,140	2,254	-1,114
21+25.00T	9.67	70.01	7	61	1,147	2,330	-1,183
21+50.00T	4.70	70.44	7	65	1,154	2,411	-1,257
21+75.00T	5.72	71.05	5	66	1,159	2,494	-1,335
22+00.00T	6.06	77.94	5	69	1,164	2,580	-1,416
22+25.00T	6.37	83.51	6	75	1,170	2,674	-1,504
22+50.00T	6.17	83.86	6	77	1,176	2,770	-1,594
22+75.00T	8.41	82.24	7	77	1,183	2,866	-1,683
23+00.00T	4.56	73.00	6	72	1,189	2,956	-1,767
23+25.00T	4.29	64.18	4	64	1,193	3,036	-1,843
23+50.00T	4.25	65.94	4	60	1,197	3,111	-1,914
23+75.00T	4.22	66.94	4	62	1,201	3,189	-1,988
24+00.00T	4.49	79.18	4	68	1,205	3,274	-2,069
24+25.00T	4.46	122.24	4	93	1,209	3,390	-2,181
24+50.00T	4.59	158.38	4	130	1,213	3,553	-2,340
24+75.00T	4.50	189.09	4	161	1,217	3,754	-2,537
25+00.00T	4.33	226.76	4	193	1,221	3,995	-2,774
25+25.00T	4.01	242.20	4	217	1,225	4,266	-3,041
25+50.00T	3.84	208.59	4	209	1,229	4,528	-3,299
25+75.00T	4.40	163.69	4	172	1,233	4,743	-3,510
26+00.00T	5.17	124.02	4	133	1,237	4,909	-3,672
26+25.00T	6.53	67.79	5	89	1,242	5,020	-3,778
26+50.00T	15.08	5.53	10	34	1,252	5,063	-3,811
26+71.16T	0.00	0.00	6	2	1,258	5,065	-3,807

NOTE: SALVAGED/UNUSABLE PAVEMENT MATERIAL NOT SHOWN IN CROSS SECTIONS, SEE MISCELLANEOUS QUANTITIES SHEETS.

DIVISION 2 - STH 34 NB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)				
	CUT	FILL	MARSH EXC	CUT	FILL	MARSH EXC	CUT 1.00	EXPANDED FILL 1.25	EXPANDED MARSH 1.50	REDUCED MARSH IN FILL 0.60	MASS ORDINATE
4+60.00NB	0.00	0.00	0.00	0	0	0	0	0	0	0	0
4+75.00NB	0.00	0.00	0.00	0	0	0	0	0	0	0	0
5+00.00NB	1.69	0.00	0.00	1	0	0	1	0	0	0	1
5+25.00NB	1.85	0.00	0.00	2	0	0	3	0	0	0	3
5+50.00NB	1.87	0.00	0.00	2	0	0	5	0	0	0	5
5+75.00NB	2.62	0.00	0.00	2	0	0	7	0	0	0	7
6+00.00NB	2.62	0.00	0.00	2	0	0	9	0	0	0	9
6+25.00NB	2.62	0.00	0.00	2	0	0	11	0	0	0	11
6+50.00NB	1.87	0.00	0.00	2	0	0	13	0	0	0	13
6+75.00NB	1.87	0.00	0.00	2	0	0	15	0	0	0	15
7+00.00NB	2.63	0.00	0.00	2	0	0	17	0	0	0	17
7+25.00NB	4.26	0.00	0.00	3	0	0	20	0	0	0	20
7+50.00NB	4.21	0.00	0.00	4	0	0	24	0	0	0	24
7+75.00NB	4.23	0.00	0.00	4	0	0	28	0	0	0	28
8+00.00NB	4.20	0.00	0.00	4	0	0	32	0	0	0	32
8+25.00NB	3.62	0.00	0.00	4	0	0	36	0	0	0	36
8+50.00NB	145.67	0.00	0.00	69	0	0	105	0	0	0	105
8+75.00NB	145.62	0.00	0.00	135	0	0	240	0	0	0	240
9+00.00NB	143.99	0.00	0.00	134	0	0	374	0	0	0	374
9+25.00NB	142.87	0.00	0.00	133	0	0	507	0	0	0	507
9+50.00NB	142.43	0.00	0.00	132	0	0	639	0	0	0	639
9+75.00NB	142.95	0.00	0.00	132	0	0	771	0	0	0	771
10+00.00NB	69.58	0.00	0.00	98	0	0	869	0	0	0	869
10+25.00NB	80.77	0.00	0.00	70	0	0	939	0	0	0	939
10+50.00NB	88.11	0.00	0.00	78	0	0	1,017	0	0	0	1,017
10+75.00NB	95.82	0.00	0.00	85	0	0	1,102	0	0	0	1,102
11+00.00NB	104.37	0.00	157.24	93	0	73	1,195	-55	110	44	1,250
11+25.00NB	112.97	0.00	168.37	101	0	151	1,296	-168	336	134	1,464
11+50.00NB	118.65	0.00	176.48	107	0	160	1,403	-288	576	230	1,691
11+75.00NB	120.79	0.11	165.47	111	0	158	1,514	-407	813	325	1,921
12+00.00NB	108.70	1.77	155.08	106	1	148	1,620	-516	1,035	414	2,136
12+25.00NB	105.84	5.67	156.75	99	3	144	1,719	-621	1,251	500	2,340
12+50.00NB	104.39	6.82	168.55	97	6	151	1,816	-726	1,478	591	2,542
12+75.00NB	100.27	9.26	180.65	95	7	162	1,911	-839	1,721	688	2,750
13+00.00NB	92.57	14.34	172.49	89	11	163	2,000	-948	1,965	786	2,948
13+25.00NB	82.61	16.73	167.01	81	14	157	2,081	-1,048	2,201	880	3,129
13+50.00NB	69.49	20.95	155.12	70	17	149	2,151	-1,138	2,424	970	3,289
13+75.00NB	57.26	27.12	139.11	59	22	136	2,210	-1,213	2,628	1,051	3,423
14+00.00NB	44.18	32.89	124.59	47	28	122	2,257	-1,269	2,811	1,124	3,526
14+25.00NB	37.72	10.32	0.00	38	20	58	2,295	-1,288	2,898	1,159	3,583
14+50.00NB	34.37	6.39	0.00	33	8	0	2,328	-1,278	2,898	1,159	3,606
14+75.00NB	27.97	15.78	0.00	29	10	0	2,357	-1,265	2,898	1,159	3,622
15+00.00NB	21.11	40.61	0.00	23	26	0	2,380	-1,233	2,898	1,159	3,613

NOTE: SALVAGED/UNUSABLE PAVEMENT MATERIAL NOT SHOWN IN CROSS SECTIONS, SEE MISCELLANEOUS QUANTITIES SHEETS.

CONTINUE TO NEXT PAGE

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DIVISION 2 - STH 34 NB

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)				
	CUT	FILL	MARSH EXC	CUT	FILL	MARSH EXC	CUT 1.00	EXPANDED FILL 1.25	EXPANDED MARSH 1.50	REDUCED MARSH IN FILL 0.60	MASS ORDINATE
15+25.00NB	38.50	74.27	0.00	28	53	0	2,408	-1,167	2,898	1,159	3,575
15+37.50NB	0.00	61.66	0.00	9	31	0	2,417	-1,128	2,898	1,159	3,545
16+82.50NB	18.73	0.00	0.00	50	166	0	2,467	-920	2,898	1,159	3,387
17+00.00NB	57.26	0.00	0.00	25	0	0	2,492	-920	2,898	1,159	3,412
17+25.00NB	79.70	0.00	0.00	63	0	0	2,555	-920	2,898	1,159	3,475
17+50.00NB	88.93	0.00	0.00	78	0	0	2,633	-920	2,898	1,159	3,553
17+75.00NB	108.01	0.00	0.00	91	0	0	2,724	-920	2,898	1,159	3,644
18+00.00NB	118.08	0.00	0.00	105	0	0	2,829	-920	2,898	1,159	3,749
18+25.00NB	115.10	0.00	0.00	108	0	0	2,937	-920	2,898	1,159	3,857
18+50.00NB	118.90	0.00	0.00	108	0	0	3,045	-920	2,898	1,159	3,965
18+75.00NB	124.50	0.00	0.00	113	0	0	3,158	-920	2,898	1,159	4,078
19+00.00NB	123.23	0.00	0.00	115	0	0	3,273	-920	2,898	1,159	4,193
19+25.00NB	109.00	0.00	0.00	108	0	0	3,381	-920	2,898	1,159	4,301
19+50.00NB	83.82	0.00	0.00	89	0	0	3,470	-920	2,898	1,159	4,390
19+75.00NB	48.22	5.27	0.00	61	2	0	3,531	-918	2,898	1,159	4,449
20+00.00NB	15.00	32.27	0.00	29	17	0	3,560	-897	2,898	1,159	4,457
20+25.00NB	0.00	64.79	0.00	7	45	0	3,567	-840	2,898	1,159	4,407
20+50.00NB	1.59	85.54	0.00	1	70	0	3,568	-753	2,898	1,159	4,321
20+75.00NB	9.37	72.28	0.00	5	73	0	3,573	-662	2,898	1,159	4,235
21+00.00NB	20.98	43.85	0.00	14	54	0	3,587	-594	2,898	1,159	4,181
21+25.00NB	38.92	23.35	0.00	28	31	0	3,615	-555	2,898	1,159	4,170
21+50.00NB	56.91	13.51	0.00	44	17	0	3,659	-534	2,898	1,159	4,193
21+75.00NB	67.77	6.88	0.00	58	9	0	3,717	-523	2,898	1,159	4,240
22+00.00NB	73.28	2.43	0.00	65	4	0	3,782	-518	2,898	1,159	4,300
22+25.00NB	81.30	0.03	0.00	72	1	0	3,854	-517	2,898	1,159	4,371
22+50.00NB	87.09	0.00	0.00	78	0	0	3,932	-517	2,898	1,159	4,449
22+75.00NB	94.90	0.00	0.00	84	0	0	4,016	-517	2,898	1,159	4,533
23+00.00NB	102.28	0.00	0.00	91	0	0	4,107	-517	2,898	1,159	4,624
23+25.00NB	109.98	0.00	0.00	98	0	0	4,205	-517	2,898	1,159	4,722
23+50.00NB	116.29	0.00	0.00	105	0	0	4,310	-517	2,898	1,159	4,827
23+75.00NB	120.29	0.00	0.00	110	0	0	4,420	-517	2,898	1,159	4,937
23+98.48NB	115.30	0.89	0.00	102	0	0	4,522	-517	2,898	1,159	5,039
24+00.00NB	174.68	0.00	0.00	8	0	0	4,530	-517	2,898	1,159	5,047
24+25.00NB	172.75	0.09	0.00	161	0	0	4,691	-517	2,898	1,159	5,208
24+50.00NB	177.32	0.04	0.00	162	0	0	4,853	-517	2,898	1,159	5,370
24+75.00NB	186.61	0.09	0.00	168	0	0	5,021	-517	2,898	1,159	5,538
25+00.00NB	196.05	0.29	0.00	177	0	0	5,198	-517	2,898	1,159	5,715
25+25.00NB	203.35	0.00	0.00	185	0	0	5,383	-517	2,898	1,159	5,900
25+35.00NB	205.82	0.00	0.00	76	0	0	5,459	-517	2,898	1,159	5,976
25+50.00NB	8.05	0.00	0.00	59	0	0	5,518	-517	2,898	1,159	6,035
25+75.00NB	0.00	0.00	0.00	4	0	0	5,522	-517	2,898	1,159	6,039
26+00.00NB	0.00	0.00	0.00	0	0	0	5,522	-517	2,898	1,159	6,039
26+04.14NB	0.00	0.00	0.00	0	0	0	5,522	-517	2,898	1,159	6,039

NOTE: SALVAGED/UNUSABLE PAVEMENT MATERIAL NOT SHOWN IN CROSS SECTIONS, SEE MISCELLANEOUS QUANTITIES SHEETS.

DIVISION 2 - STH 34 SB

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
100+00.00SB	69.59	0.00	0	0	0	0	0
100+25.00SB	65.10	0.00	62	0	62	0	62
100+50.00SB	61.12	0.00	58	0	120	0	120
100+75.00SB	60.94	0.00	57	0	177	0	177
101+00.00SB	60.66	0.00	56	0	233	0	233
101+25.00SB	59.71	0.00	56	0	289	0	289
101+50.00SB	58.56	0.00	55	0	344	0	344
101+75.00SB	59.21	0.00	55	0	399	0	399
102+00.00SB	70.90	0.00	60	0	459	0	459
102+25.00SB	74.11	0.00	67	0	526	0	526
102+50.00SB	78.95	0.00	71	0	597	0	597
102+75.00SB	82.03	0.00	75	0	672	0	672
103+00.00SB	85.14	0.00	77	0	749	0	749
103+25.00SB	83.62	0.00	78	0	827	0	827
103+50.00SB	81.43	0.00	76	0	903	0	903
103+75.00SB	80.00	0.00	75	0	978	0	978
104+00.00SB	78.53	0.00	73	0	1,051	0	1,051
104+25.00SB	77.00	0.00	72	0	1,123	0	1,123
104+50.00SB	70.22	0.00	68	0	1,191	0	1,191
104+75.00SB	63.25	0.00	62	0	1,253	0	1,253
105+00.00SB	63.57	0.00	59	0	1,312	0	1,312
105+25.00SB	62.78	0.00	58	0	1,370	0	1,370
105+46.12SB	62.80	0.00	49	0	1,419	0	1,419
106+87.98SB	2.89	48.83	173	128	1,592	160	1,432
107+00.00SB	25.21	2.73	6	11	1,598	174	1,424
107+25.00SB	59.92	0.00	39	1	1,637	175	1,462
107+50.00SB	68.12	0.00	59	0	1,696	175	1,521
107+75.00SB	78.18	0.00	68	0	1,764	175	1,589
108+00.00SB	98.95	0.00	82	0	1,846	175	1,671
108+25.00SB	94.75	0.00	90	0	1,936	175	1,761
108+50.00SB	91.23	0.00	86	0	2,022	175	1,847
108+75.00SB	75.24	3.08	77	1	2,099	176	1,923
109+00.00SB	40.05	17.86	53	10	2,152	189	1,963
109+25.00SB	8.94	32.26	23	23	2,175	218	1,958
109+50.00SB	0.00	40.52	4	34	2,179	260	1,919
109+75.00SB	1.32	27.79	1	32	2,180	300	1,880
110+00.00SB	11.83	8.12	6	17	2,186	321	1,865
110+25.00SB	30.16	0.96	19	4	2,205	326	1,879
110+50.00SB	45.81	0.00	35	0	2,240	326	1,914
110+75.00SB	56.87	0.00	48	0	2,288	326	1,962
111+00.00SB	62.92	0.00	55	0	2,343	326	2,017
111+25.00SB	65.18	0.00	59	0	2,402	326	2,076
111+50.00SB	65.03	0.00	60	0	2,462	326	2,136
111+75.00SB	63.28	0.00	59	0	2,521	326	2,195
112+00.00SB	60.86	0.00	57	0	2,578	326	2,252
112+25.00SB	58.83	0.00	55	0	2,633	326	2,307
112+50.00SB	56.80	0.00	54	0	2,687	326	2,361
112+75.00SB	55.55	0.00	52	0	2,739	326	2,413
113+00.00SB	54.50	0.00	51	0	2,790	326	2,464
113+25.00SB	54.06	0.00	50	0	2,840	326	2,514
113+50.00SB	54.38	0.00	50	0	2,890	326	2,564
113+75.00SB	57.77	0.00	52	0	2,942	326	2,616

NOTE:
SALVAGED/UNUSABLE PAVEMENT MATERIAL NOT SHOWN IN CROSS SECTIONS, SEE MISCELLANEOUS QUANTITIES SHEETS.

DIVISION 2 - ROUNDABOUT

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
1+00.00C	110.43	0.00	0	0	0	0	0
1+13.19C	102.82	0.00	52	0	52	0	52
1+25.00C	119.56	0.00	49	0	101	0	101
1+50.00C	76.95	0.00	91	0	192	0	192
1+75.00C	55.85	3.50	61	2	253	3	251
2+00.00C	65.22	0.00	56	2	309	5	304
2+25.00C	39.33	0.00	48	0	357	5	352
2+50.00C	0.00	59.07	18	27	375	39	336
2+75.00C	0.00	23.79	0	38	375	86	289
2+90.69C	0.26	17.92	0	12	375	101	274
3+00.00C	0.50	14.77	0	6	375	109	266
3+25.00C	8.33	4.67	4	9	379	120	259
3+50.00C	6.63	27.97	7	15	386	139	247
3+75.00C	0.00	95.44	3	57	389	210	179
3+80.26C	4.33	47.97	0	14	389	228	162
4+00.00C	76.80	0.01	30	18	419	250	169
4+25.00C	85.56	0.00	75	0	494	250	244

NOTE: SALVAGED/UNUSABLE PAVEMENT MATERIAL NOT SHOWN IN CROSS SECTIONS, SEE MISCELLANEOUS QUANTITIES SHEETS.

DIVISION 2 - CTH DB/OLD HWY 51 NB

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
50+00.00D	0.00	0.00	0	0	0	0	0
50+25.00D	51.07	6.02	24	3	24	4	20
50+50.00D	52.04	5.99	48	6	72	11	61
50+75.00D	52.09	6.00	48	6	120	19	101
51+00.00D	53.20	4.38	49	5	169	25	144
51+25.00D	52.33	4.03	49	4	218	30	188
51+50.00D	47.29	4.57	46	4	264	35	229
51+75.00D	38.77	6.23	40	5	304	41	263
51+89.32D	33.36	7.40	19	4	323	46	277
52+00.00D	4.15	8.37	7	3	330	50	280
52+25.00D	1.48	9.49	3	8	333	60	273
52+50.00D	0.74	8.29	1	8	334	70	264
52+75.00D	0.26	10.38	0	9	334	81	253
53+00.00D	0.00	13.22	0	11	334	95	239
53+25.00D	0.00	18.84	0	15	334	114	220
53+50.00D	0.00	24.45	0	20	334	139	195
53+75.00D	0.00	30.57	0	25	334	170	164
54+00.00D	0.00	38.36	0	32	334	210	124
54+25.00D	0.00	44.01	0	38	334	258	77
54+50.00D	12.13	1.77	6	21	340	284	56
54+75.00D	6.98	4.63	9	3	349	288	62
55+00.00D	2.98	12.36	5	8	354	298	57
55+25.00D	1.95	12.87	2	12	356	313	44
55+50.00D	3.03	9.96	2	11	358	326	32
55+75.00D	3.05	11.50	3	10	361	339	22
56+00.00D	0.63	20.69	2	15	363	358	6
56+25.00D	5.63	1.98	3	10	366	370	-4
56+50.00D	0.03	13.19	3	7	369	379	-10
56+75.00D	0.00	35.97	0	23	369	408	-39
56+94.12D	0.00	12.18	0	17	369	429	-60
58+42.23D	62.83	0.00	172	33	541	470	71
58+50.00D	122.28	0.00	27	0	568	470	98
58+75.00D	89.54	0.00	98	0	666	470	196
59+00.00D	65.11	0.00	72	0	738	470	268
59+25.00D	1.65	34.92	31	16	769	490	279
59+50.00D	58.65	28.40	28	29	797	526	271
59+75.00D	77.58	13.97	63	20	860	551	309
60+00.00D	80.56	7.81	73	10	933	564	369
60+25.00D	77.68	1.55	73	4	1,006	569	437
60+50.00D	35.89	2.50	53	2	1,059	571	488
60+75.00D	41.72	0.01	36	1	1,095	573	523
61+00.00D	45.70	0.00	40	0	1,135	573	563
61+25.00D	44.60	0.00	42	0	1,177	573	605
61+50.00D	38.88	0.00	39	0	1,216	573	644
61+75.00D	33.69	0.00	34	0	1,250	573	678
62+00.00D	32.11	0.00	30	0	1,280	573	708
62+25.00D	24.73	0.00	26	0	1,306	573	734
62+50.00D	23.67	0.00	22	0	1,328	573	756
62+75.00D	24.95	0.00	23	0	1,351	573	779
62+90.00D	0.00	0.00	7	0	1,358	573	786

NOTE: SALVAGED/UNUSABLE PAVEMENT MATERIAL NOT SHOWN IN CROSS SECTIONS, SEE MISCELLANEOUS QUANTITIES SHEETS.

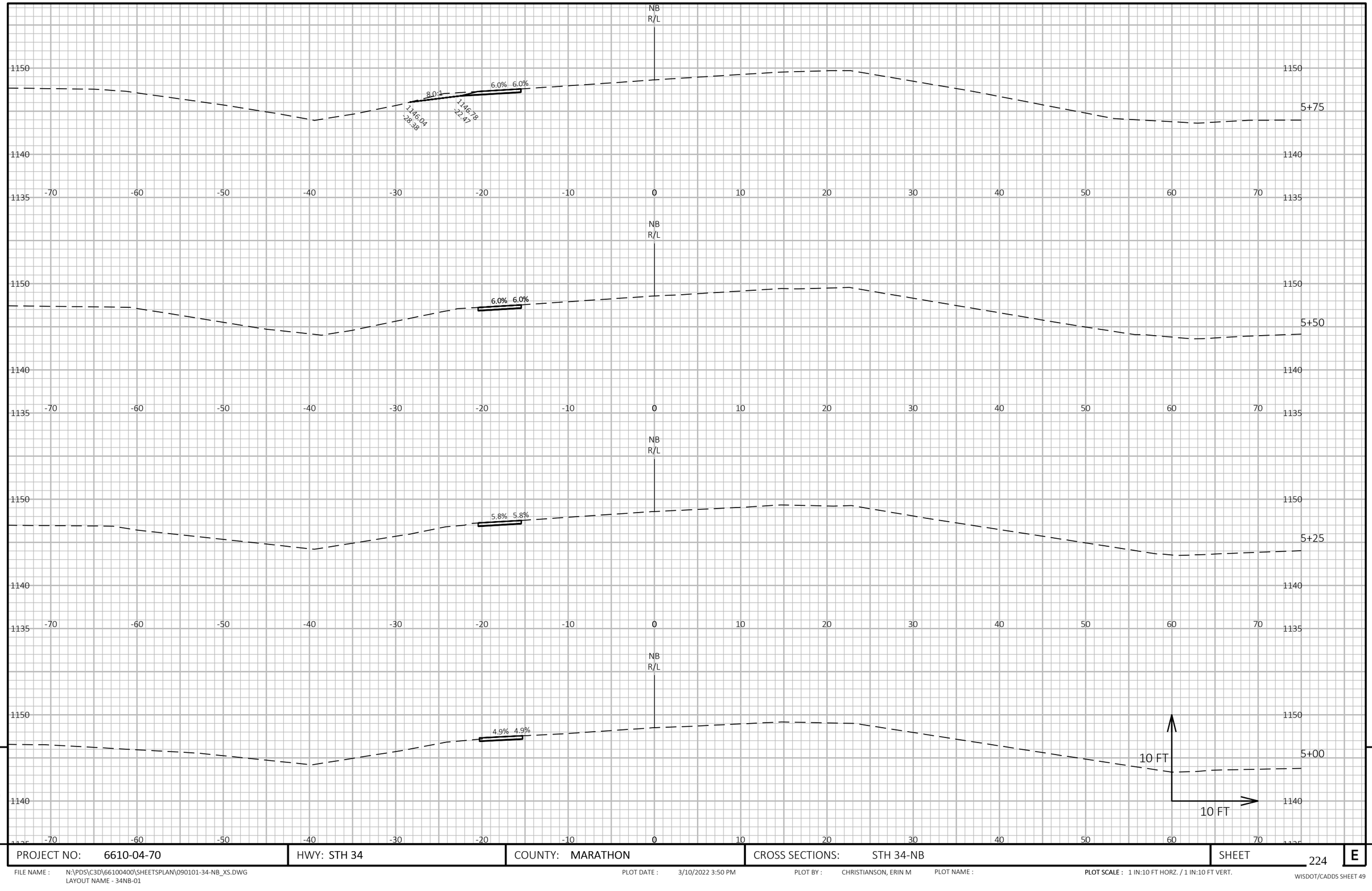
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DIVISION 2 - CTH DB/OLD HWY 51 SB

STATION	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
502+00.00B	24.62	0.00	0	0	0	0	0
502+25.00B	17.33	2.61	19	1	19	1	18
502+50.00B	10.47	9.43	13	6	32	9	23
502+75.00B	4.73	15.01	7	11	39	23	17
503+00.00B	1.09	19.87	3	16	42	43	-1
503+25.00B	0.00	25.28	1	21	43	69	-26
503+50.00B	0.00	31.03	0	26	43	101	-58
503+75.00B	0.00	32.98	0	30	43	139	-96
504+00.00B	0.00	37.20	0	32	43	179	-136
504+25.00B	0.00	45.05	0	38	43	226	-183
504+50.00B	0.03	15.88	0	28	43	261	-218
504+75.00B	0.00	24.18	0	19	43	285	-242
505+00.00B	0.00	30.43	0	25	43	316	-273
505+25.00B	0.00	22.35	0	24	43	346	-303
505+50.00B	0.00	30.55	0	24	43	376	-333
505+75.00B	0.00	36.40	0	31	43	415	-372
506+00.00B	0.00	27.55	0	30	43	453	-410
506+25.00B	1.00	4.27	0	15	43	471	-428
506+50.00B	3.19	15.20	2	9	45	483	-438
506+75.00B	10.15	9.71	6	12	51	498	-447
506+91.64B	20.96	0.00	10	3	61	501	-440
508+38.94B	59.06	0.00	218	0	279	501	-222
508+50.00B	71.49	0.00	27	0	306	501	-195
508+75.00B	62.25	0.00	62	0	368	501	-133
509+00.00B	2.07	5.96	30	3	398	505	-107
509+25.00B	67.72	0.00	32	3	430	509	-79
509+50.00B	96.10	0.00	76	0	506	509	-3
509+75.00B	98.73	0.00	90	0	596	509	87
510+00.00B	99.73	0.00	92	0	688	509	179
510+25.00B	99.79	0.00	92	0	780	509	271
510+50.00B	43.75	0.00	66	0	846	509	337
510+75.00B	41.88	0.00	40	0	886	509	377
511+00.00B	37.60	0.00	37	0	923	509	414
511+25.00B	30.48	0.00	32	0	955	509	446
511+50.00B	27.40	0.00	27	0	982	509	473
511+75.00B	24.37	0.00	24	0	1,006	509	497
512+00.00B	22.05	0.00	21	0	1,027	509	518
512+25.00B	20.95	0.01	20	0	1,047	509	538
512+50.00B	20.72	0.12	19	0	1,066	509	557
512+75.00B	22.40	0.15	20	0	1,086	509	577
512+89.36B	16.80	0.00	10	0	1,096	509	587

NOTE: SALVAGED/UNUSABLE PAVEMENT MATERIAL NOT SHOWN IN CROSS SECTIONS, SEE MISCELLANEOUS QUANTITIES SHEETS.



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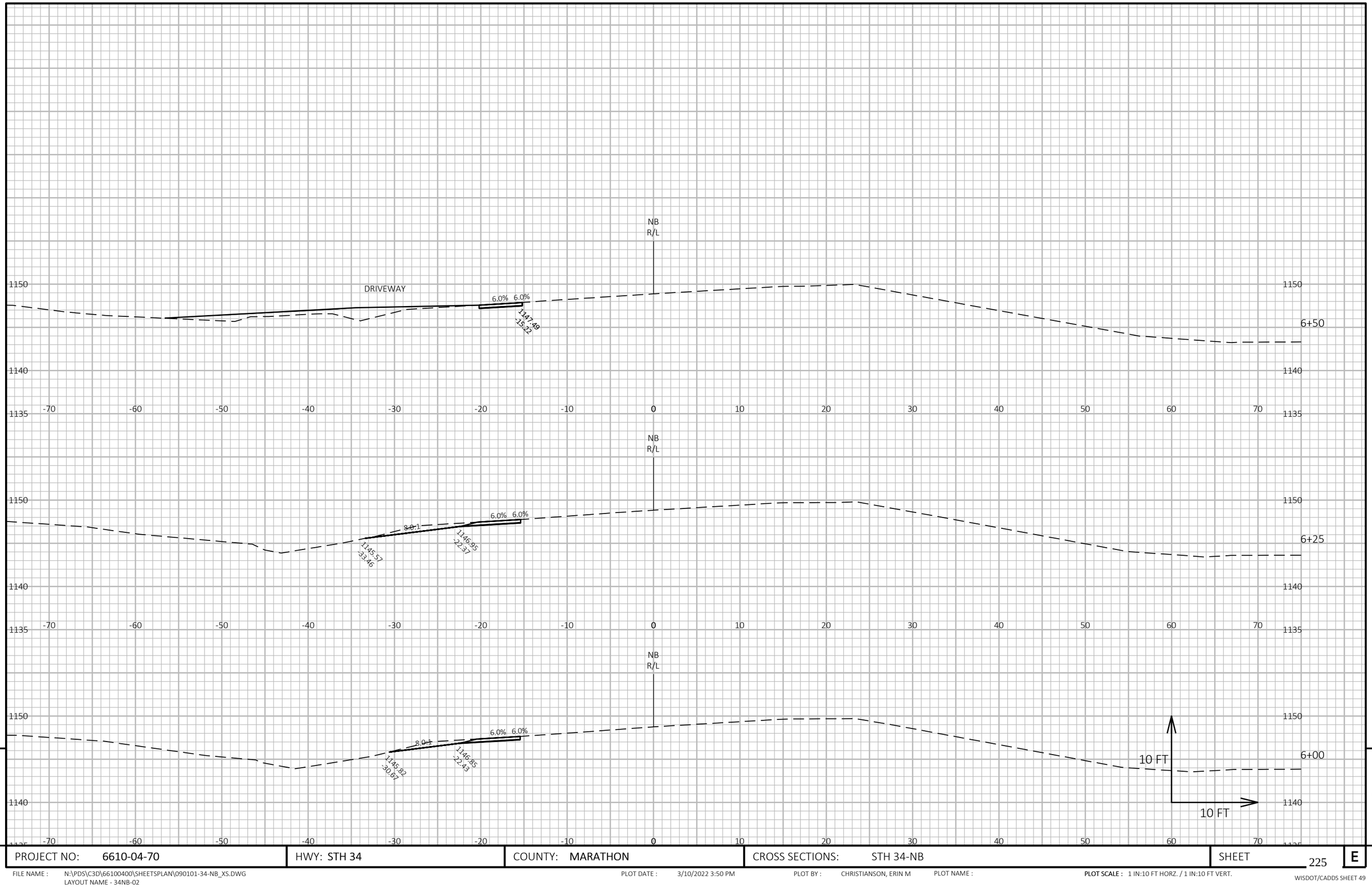
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 224	E

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LAYOUT NAME - 34NB-01

PLOT DATE : 3/10/2022 3:50 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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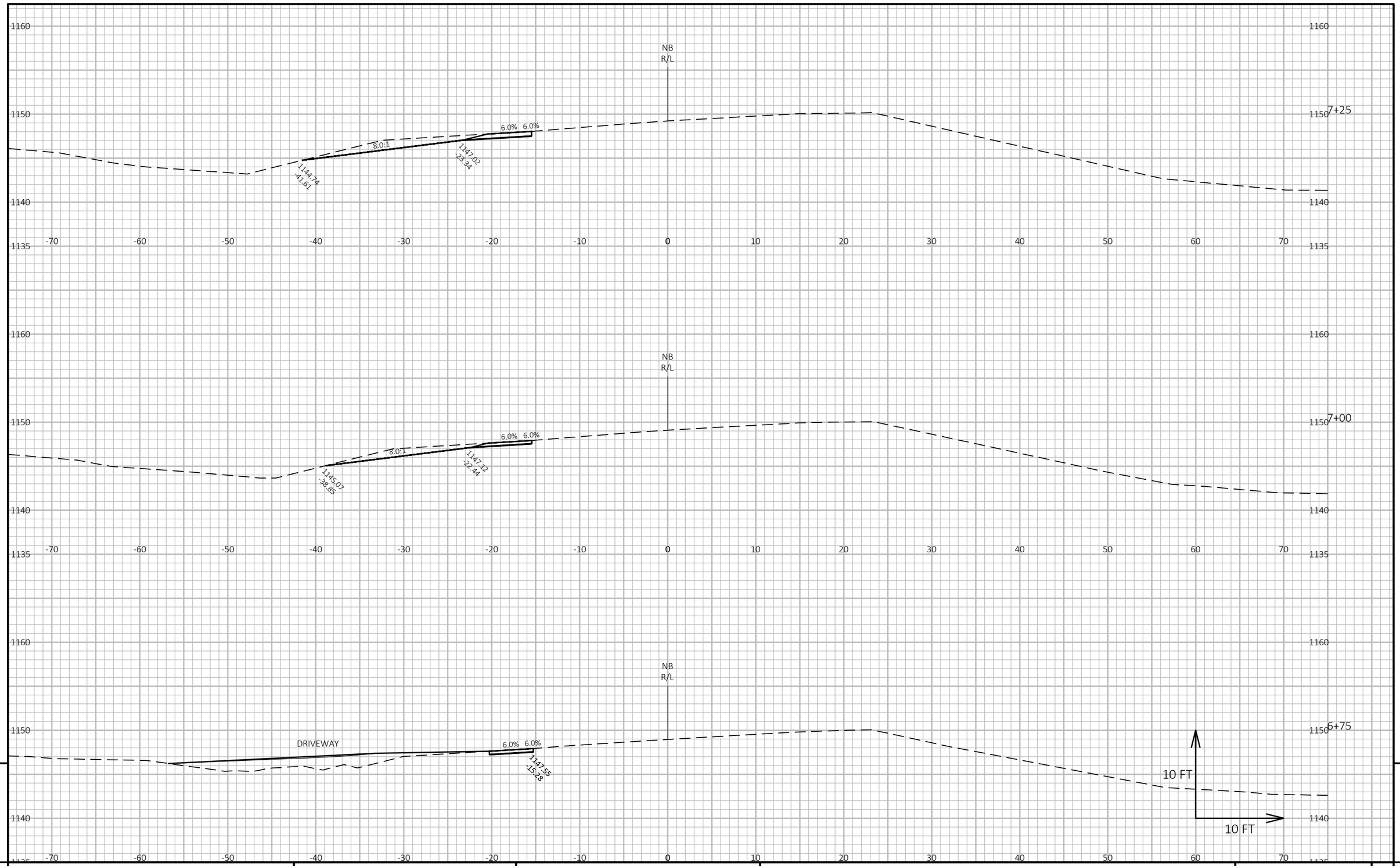
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LAYOUT NAME - 34NB-02

PLOT DATE : 3/10/2022 3:50 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 226	E

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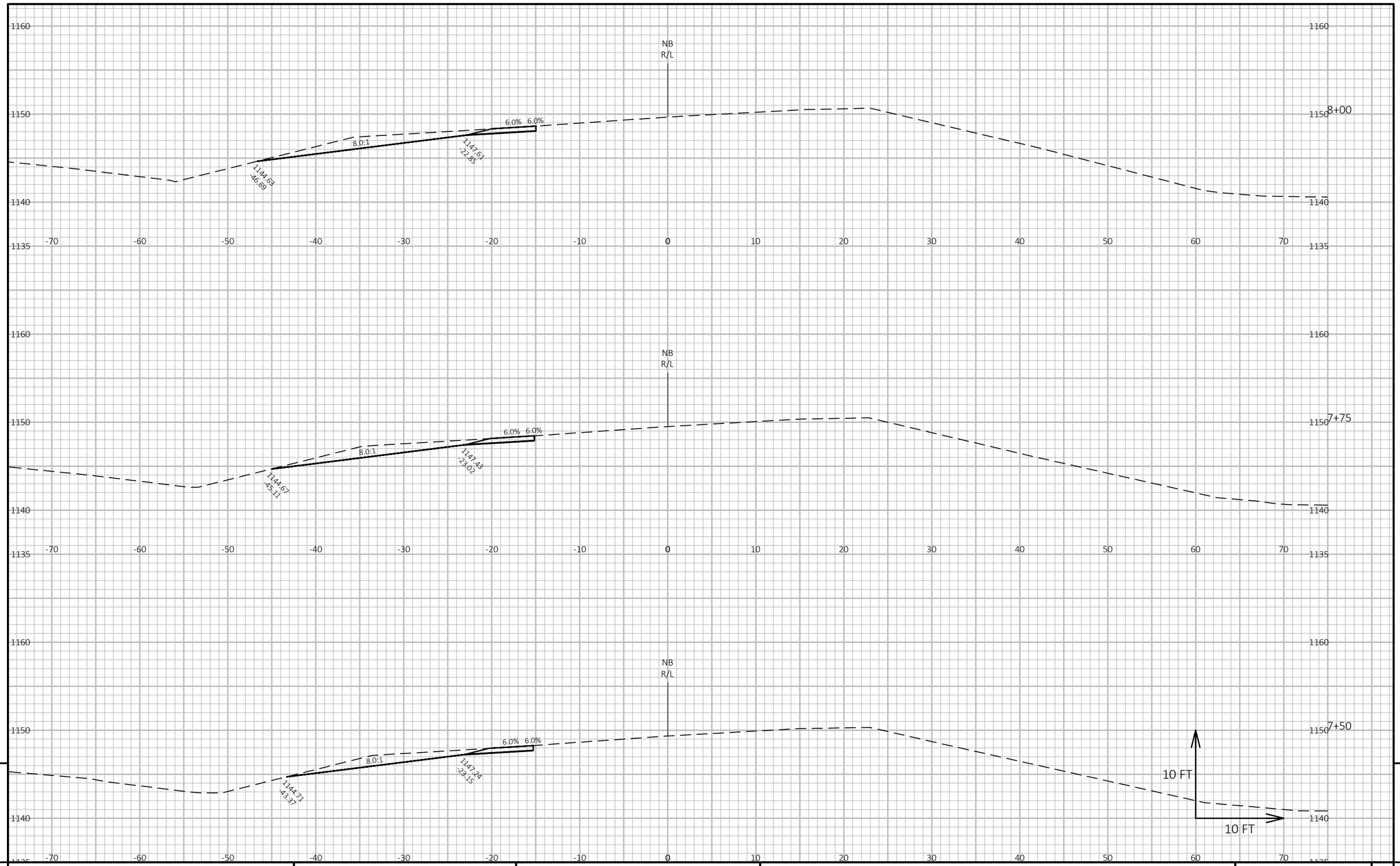
PLOT DATE : 3/10/2022 3:50 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 227	E

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LAYOUT NAME - 34NB-04

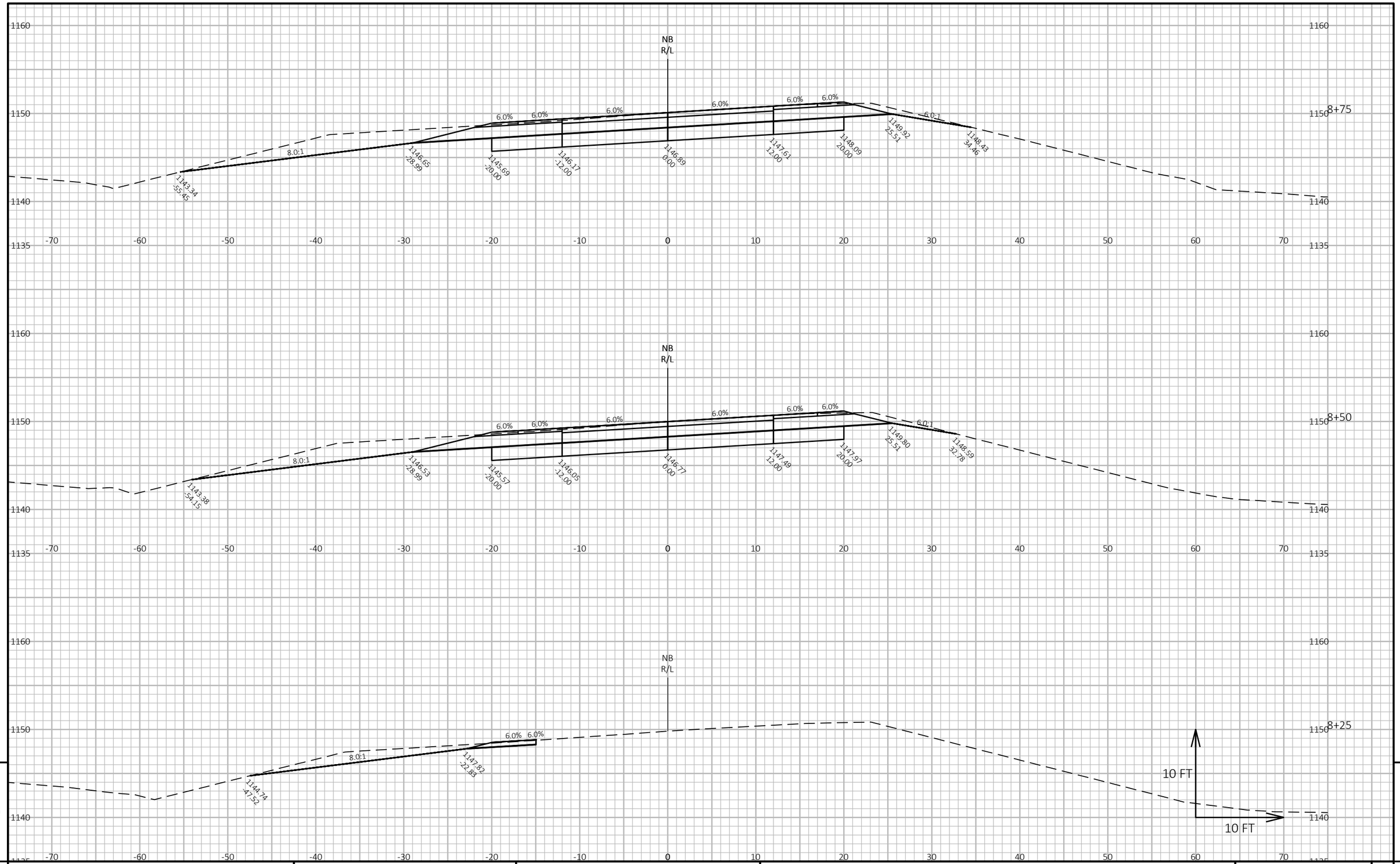
PLOT DATE : 3/10/2022 3:50 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 228	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-05

PLOT DATE : 3/10/2022 3:50 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 229	E

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LAYOUT NAME - 34NB-06

PLOT DATE : 3/10/2022 3:50 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

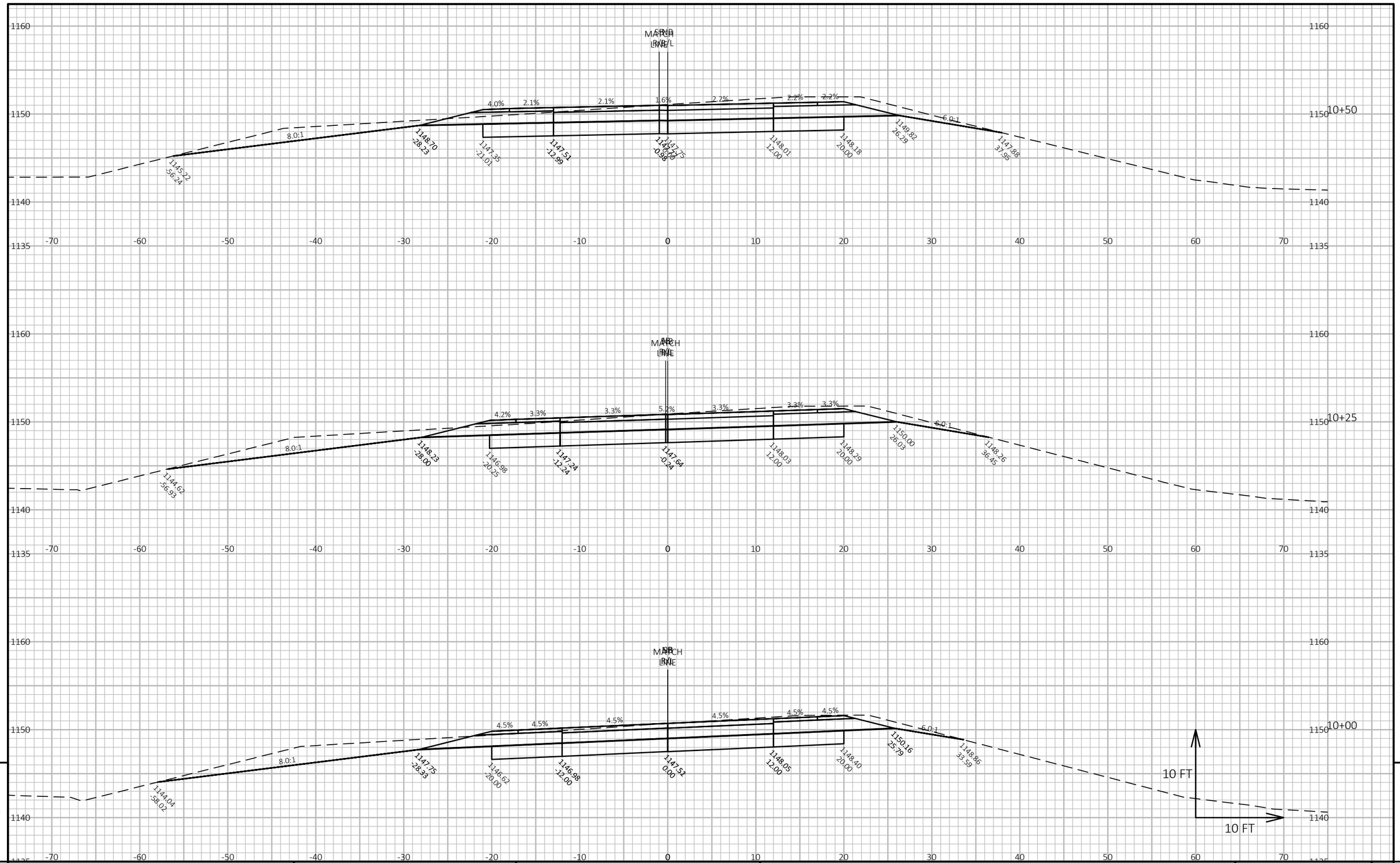
WISDOT/CADDS SHEET 49

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 230	E

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LAYOUT NAME - 34NB-07

PLOT DATE : 3/10/2022 3:50 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



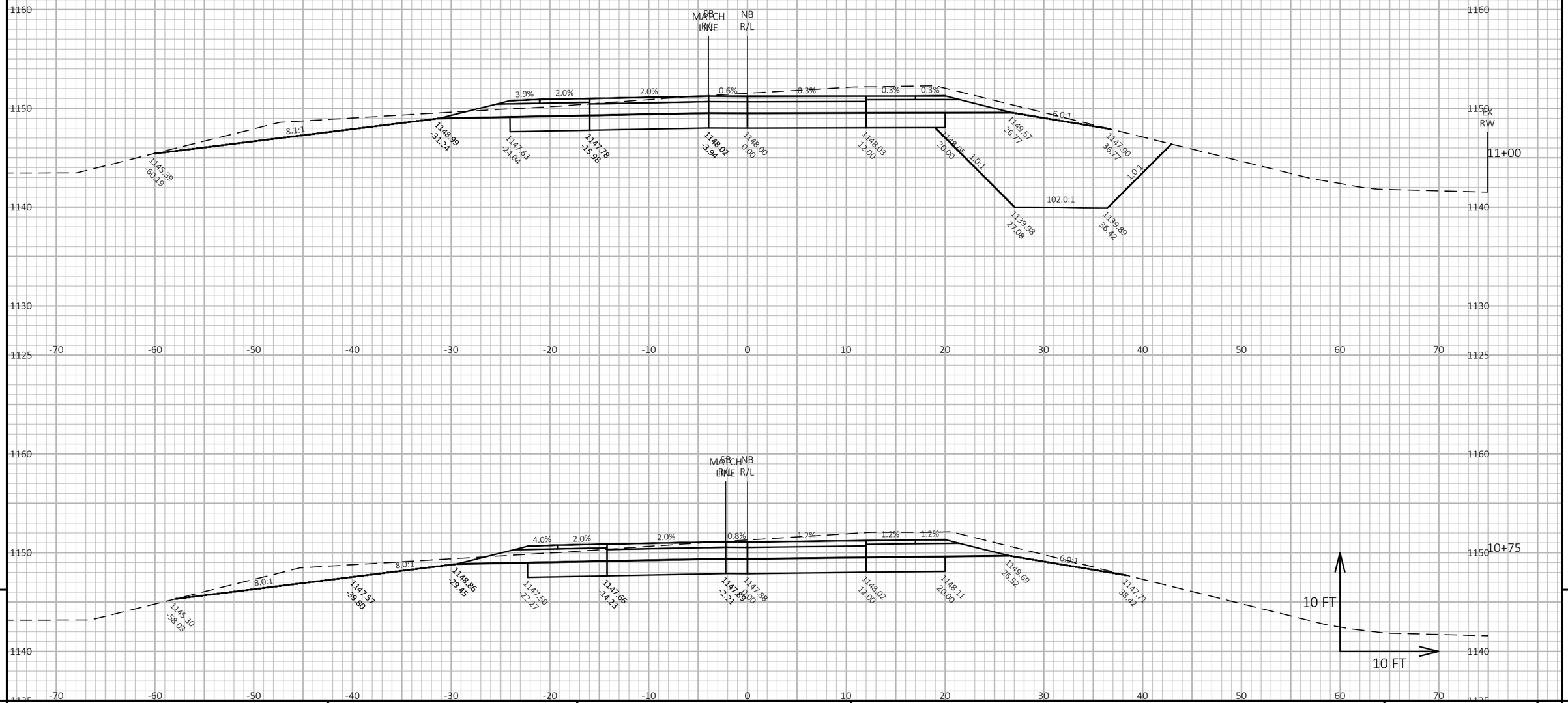
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 231	E

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LAYOUT NAME - 34NB-08

PLOT DATE : 3/10/2022 3:50 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 232	E

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LAYOUT NAME - 34NB-09

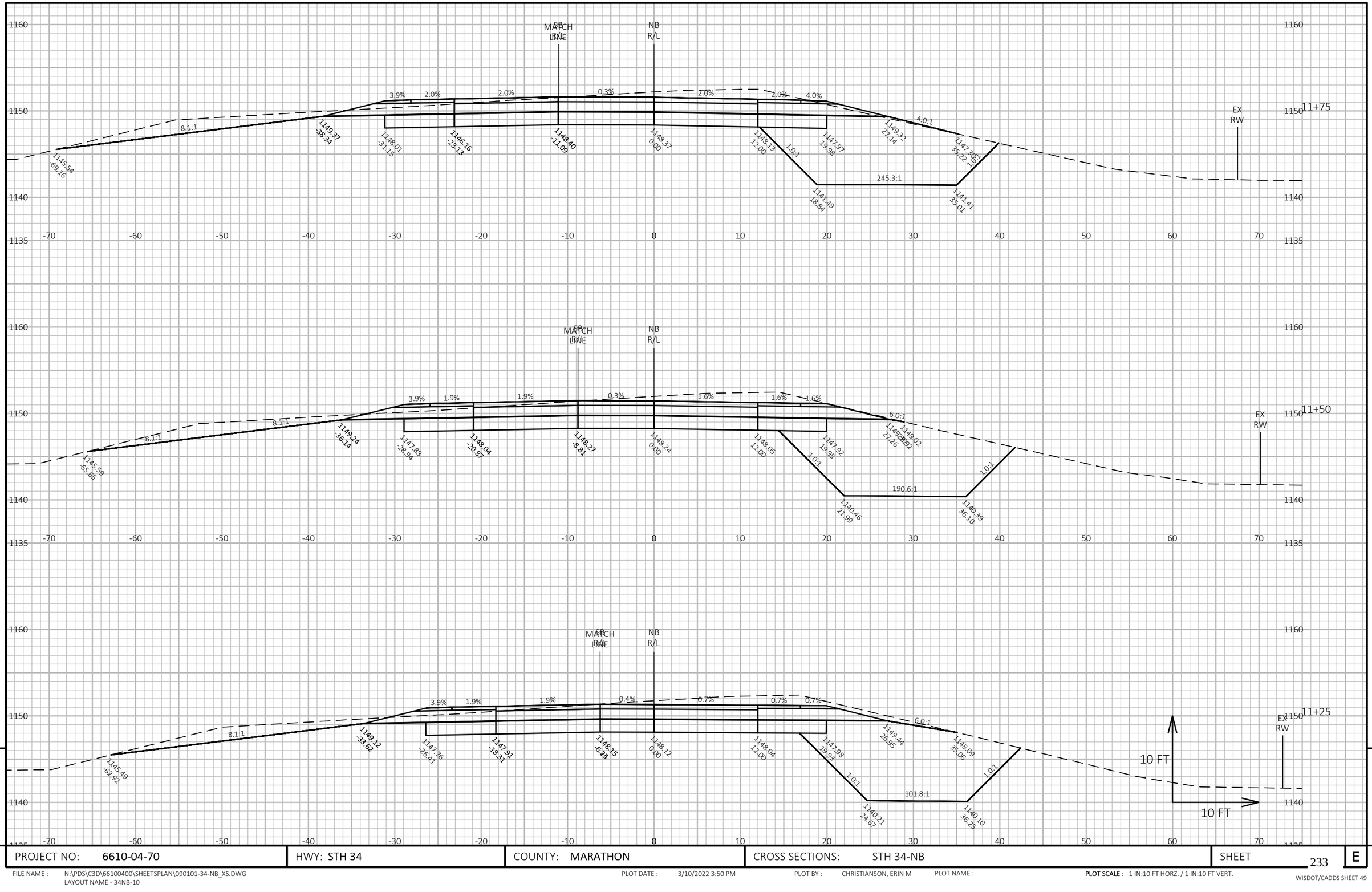
PLOT DATE : 3/10/2022 3:50 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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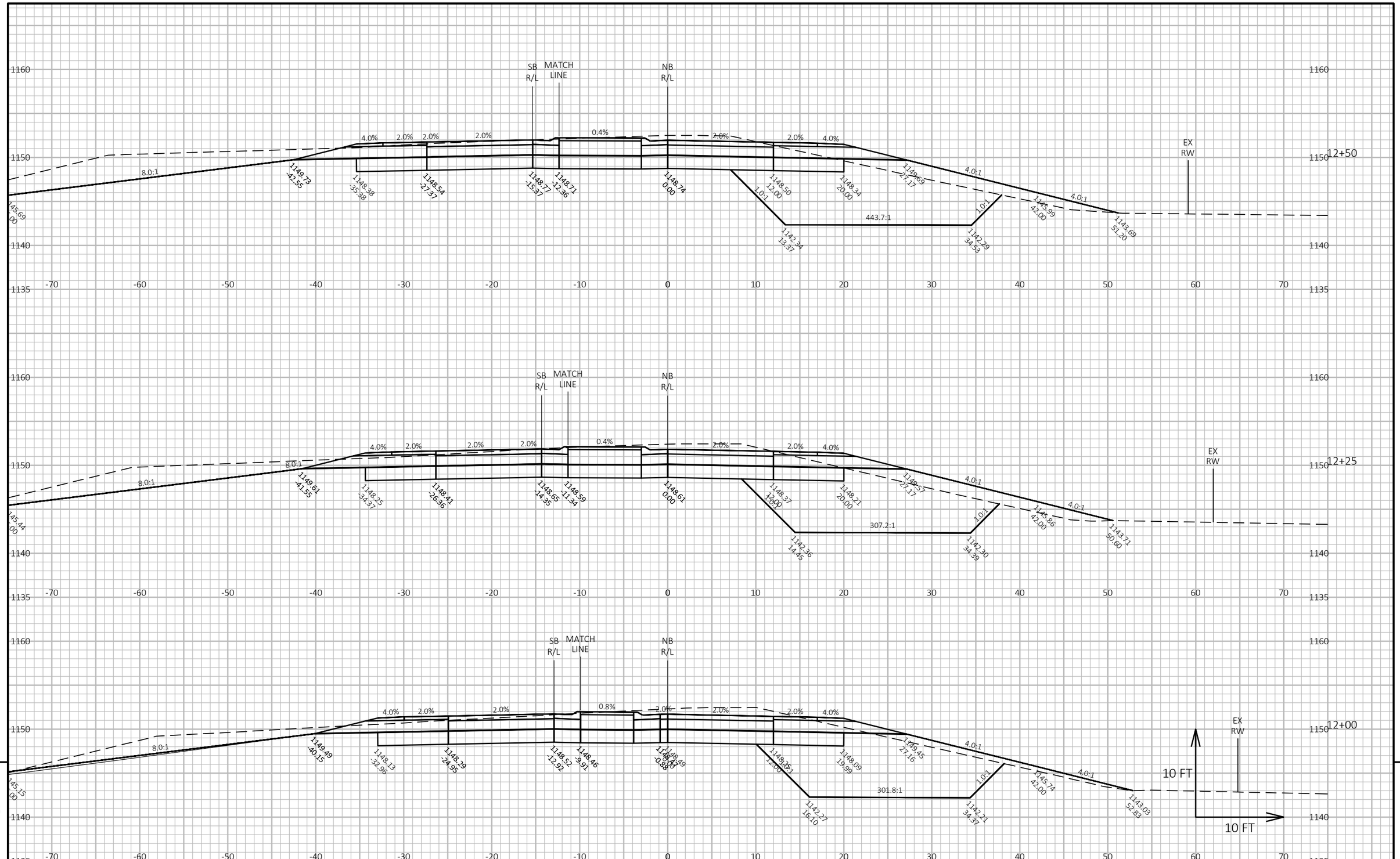
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 233	E

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LAYOUT NAME - 34NB-10

PLOT DATE : 3/10/2022 3:50 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 234	E

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LAYOUT NAME - 34NB-11

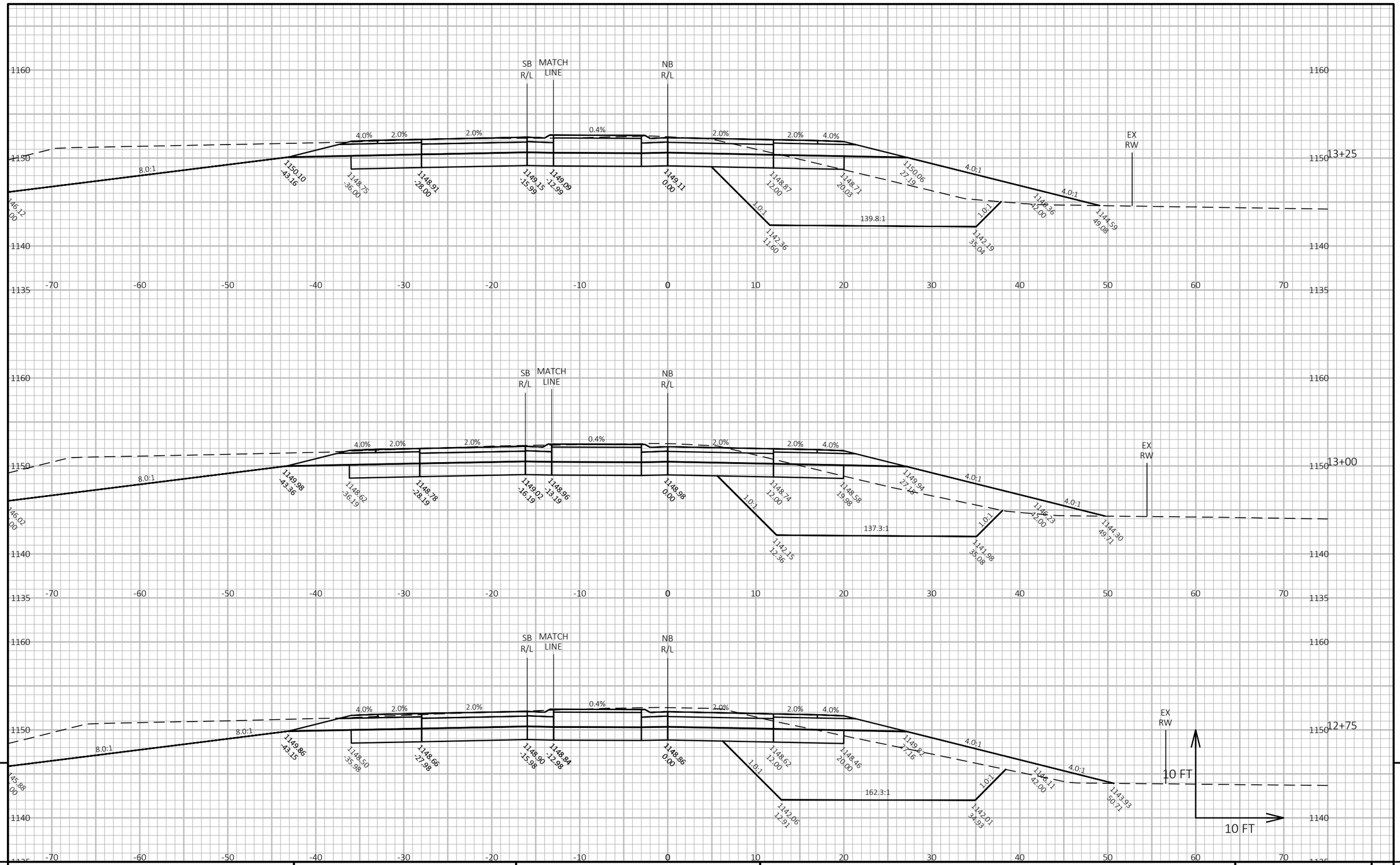
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 235	E

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LAYOUT NAME - 34NB-12

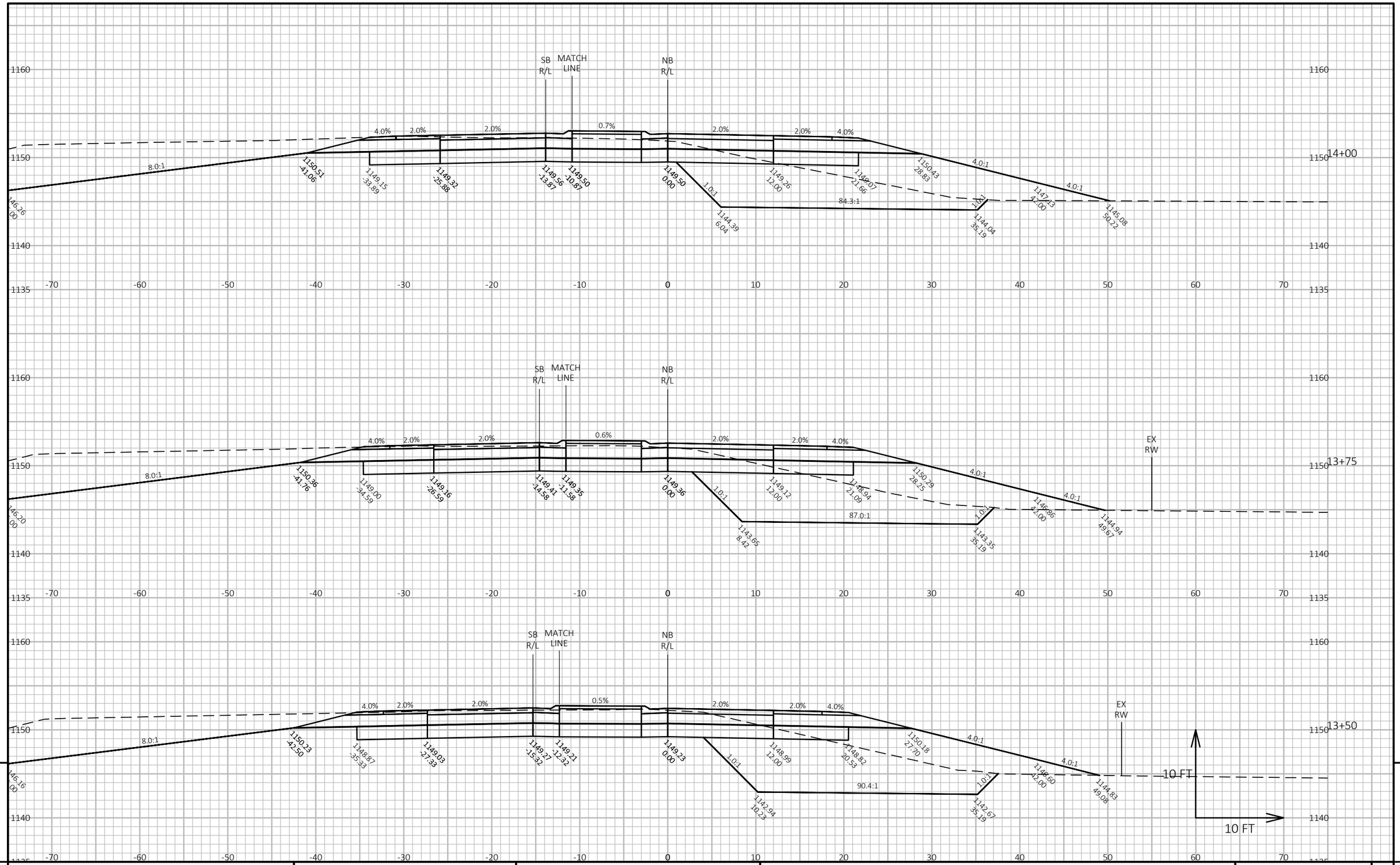
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 236	E

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LAYOUT NAME - 34NB-13

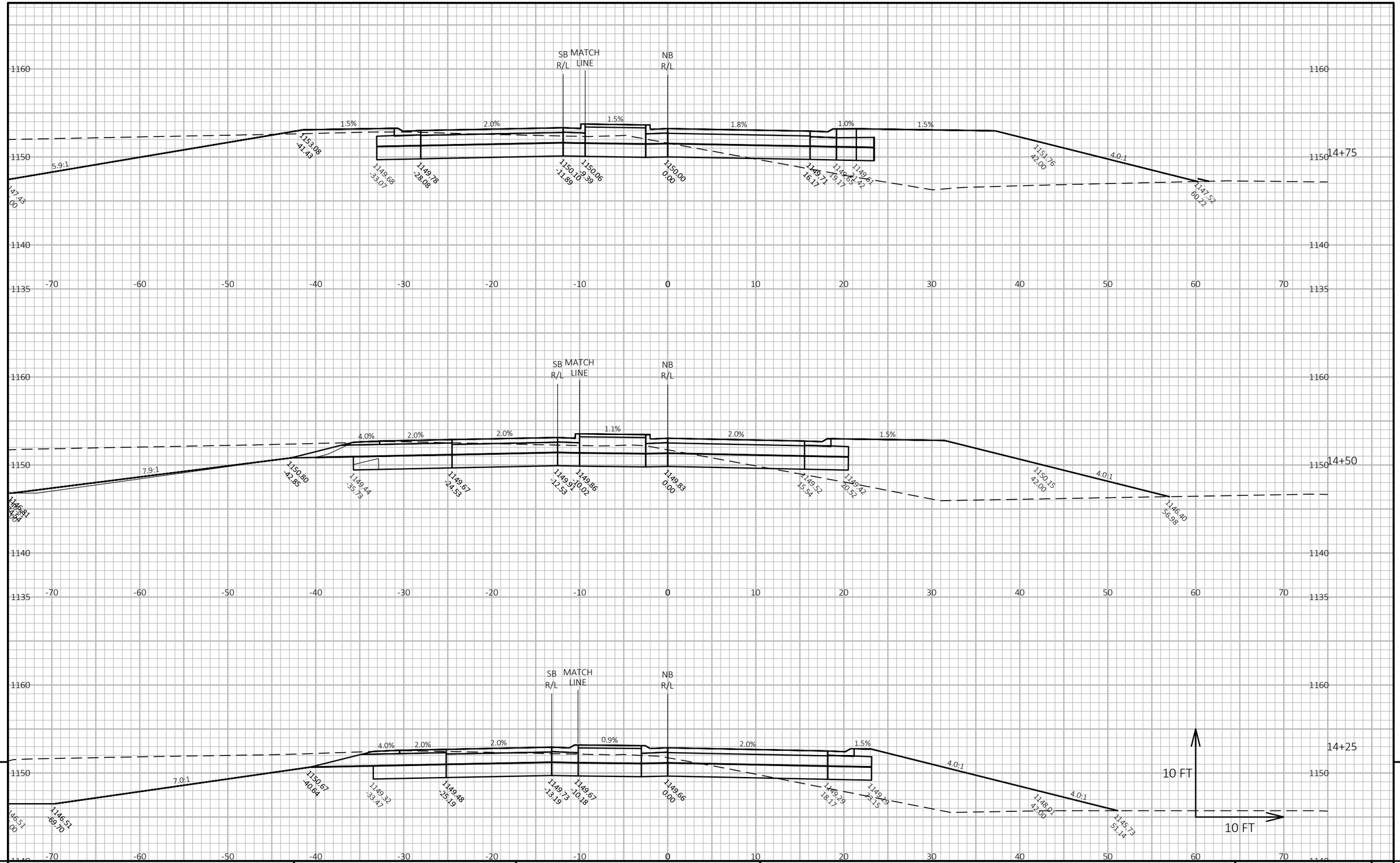
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 237	E

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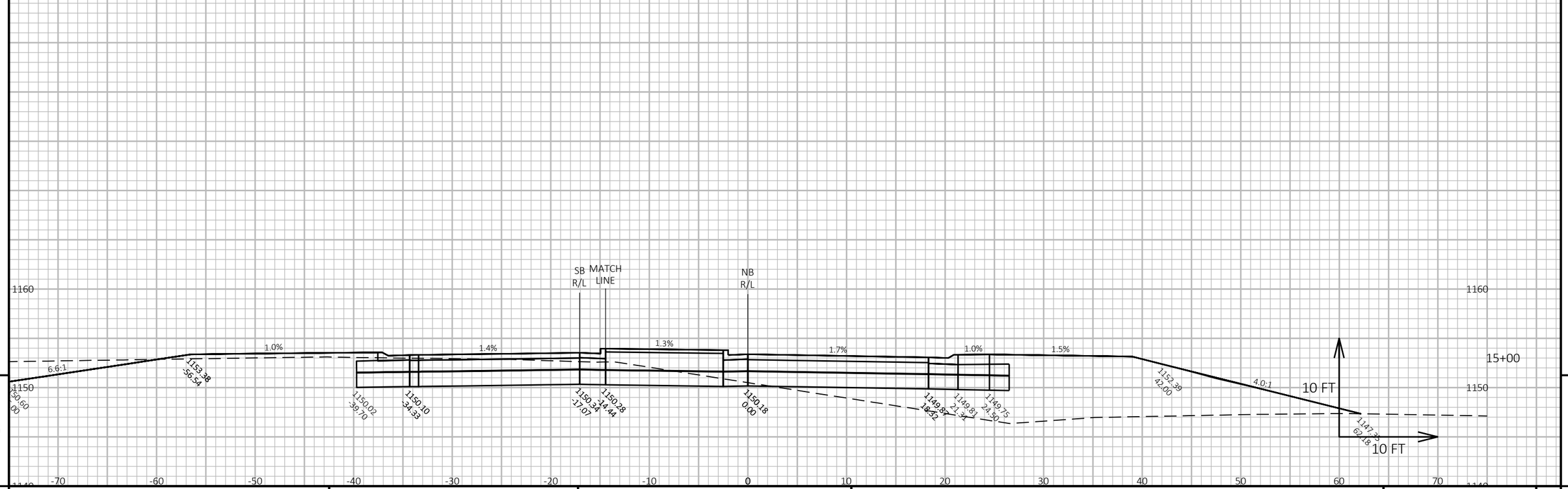
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 238	E

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LAYOUT NAME - 34NB-15

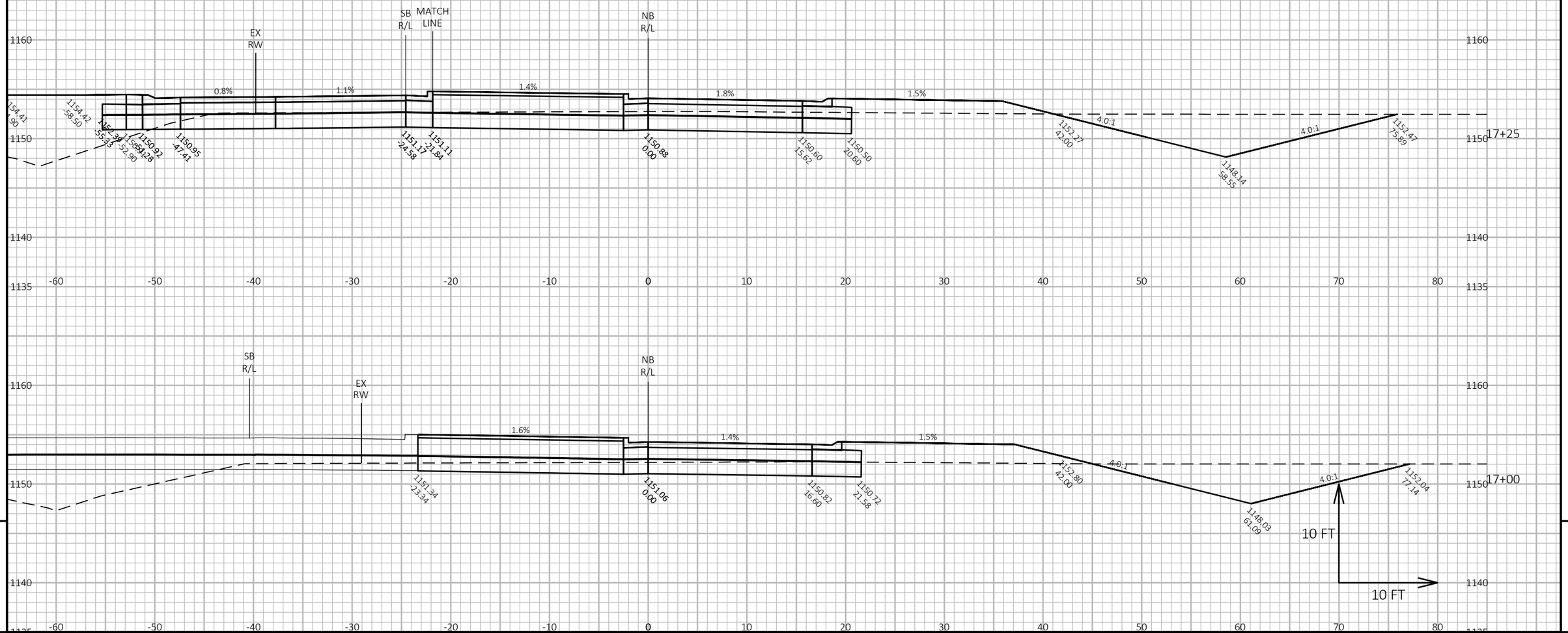
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 239	E

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LAYOUT NAME - 34NB-16

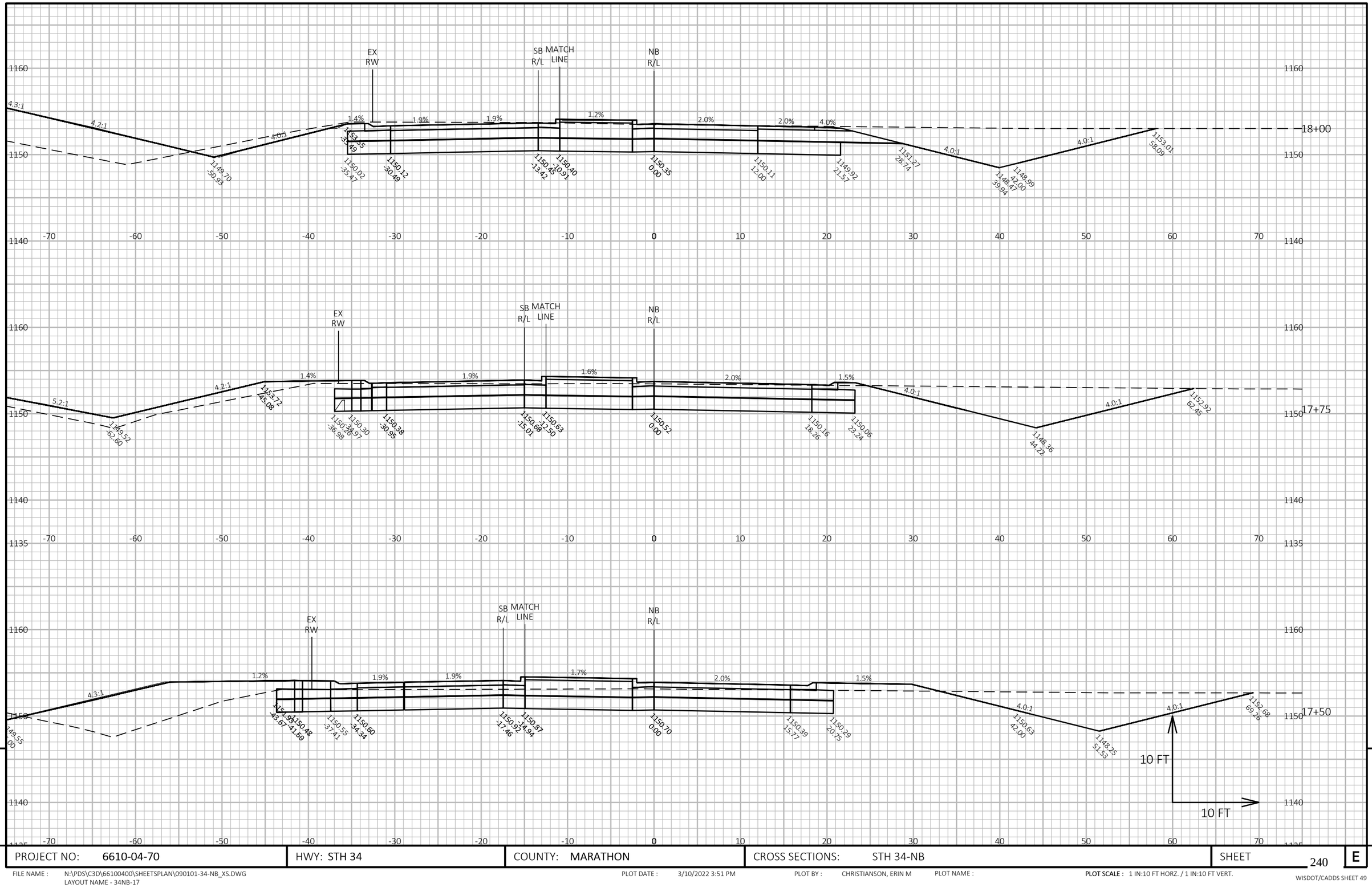
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 240 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-17

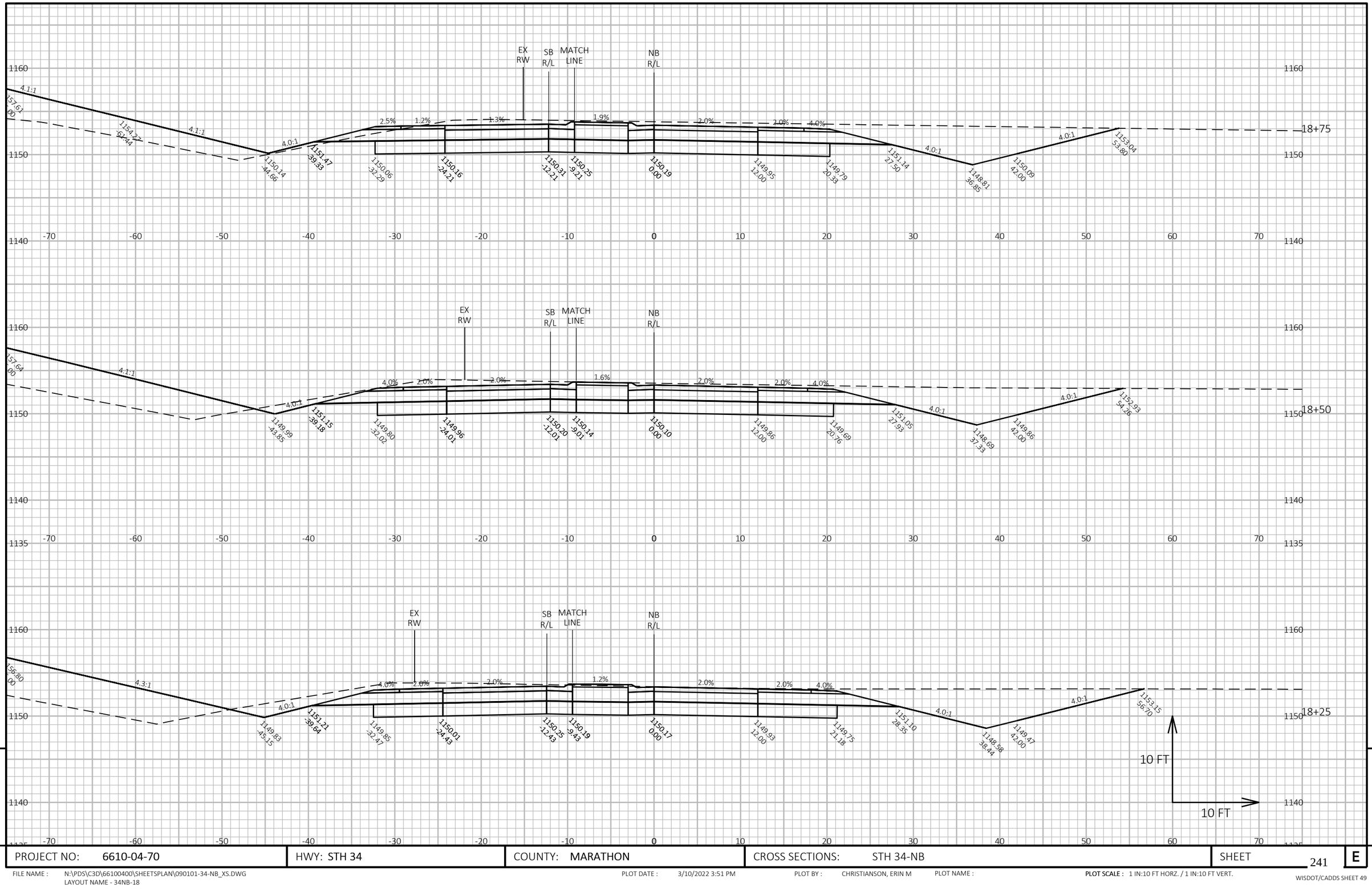
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 241	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-18

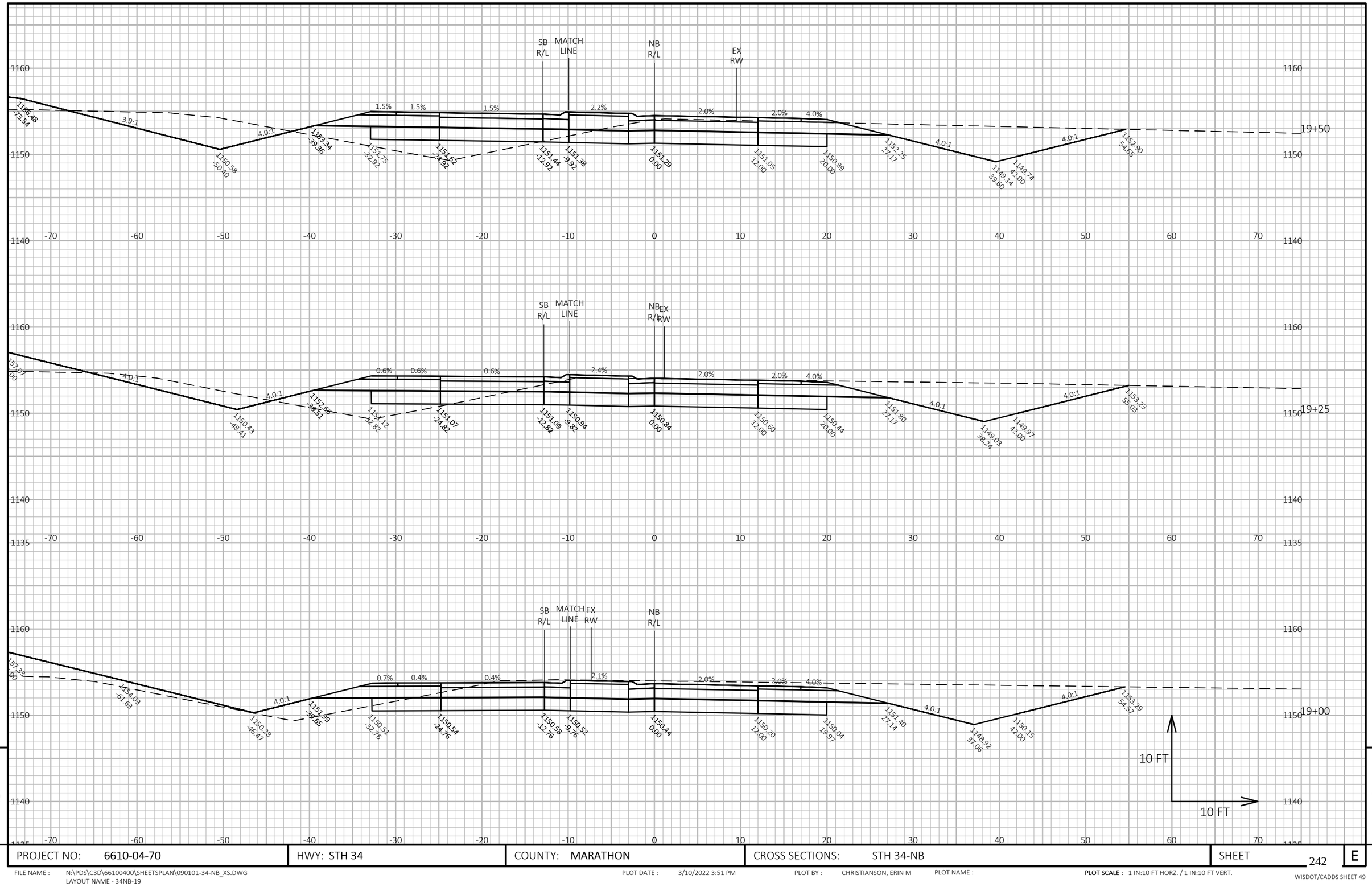
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 242	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-19

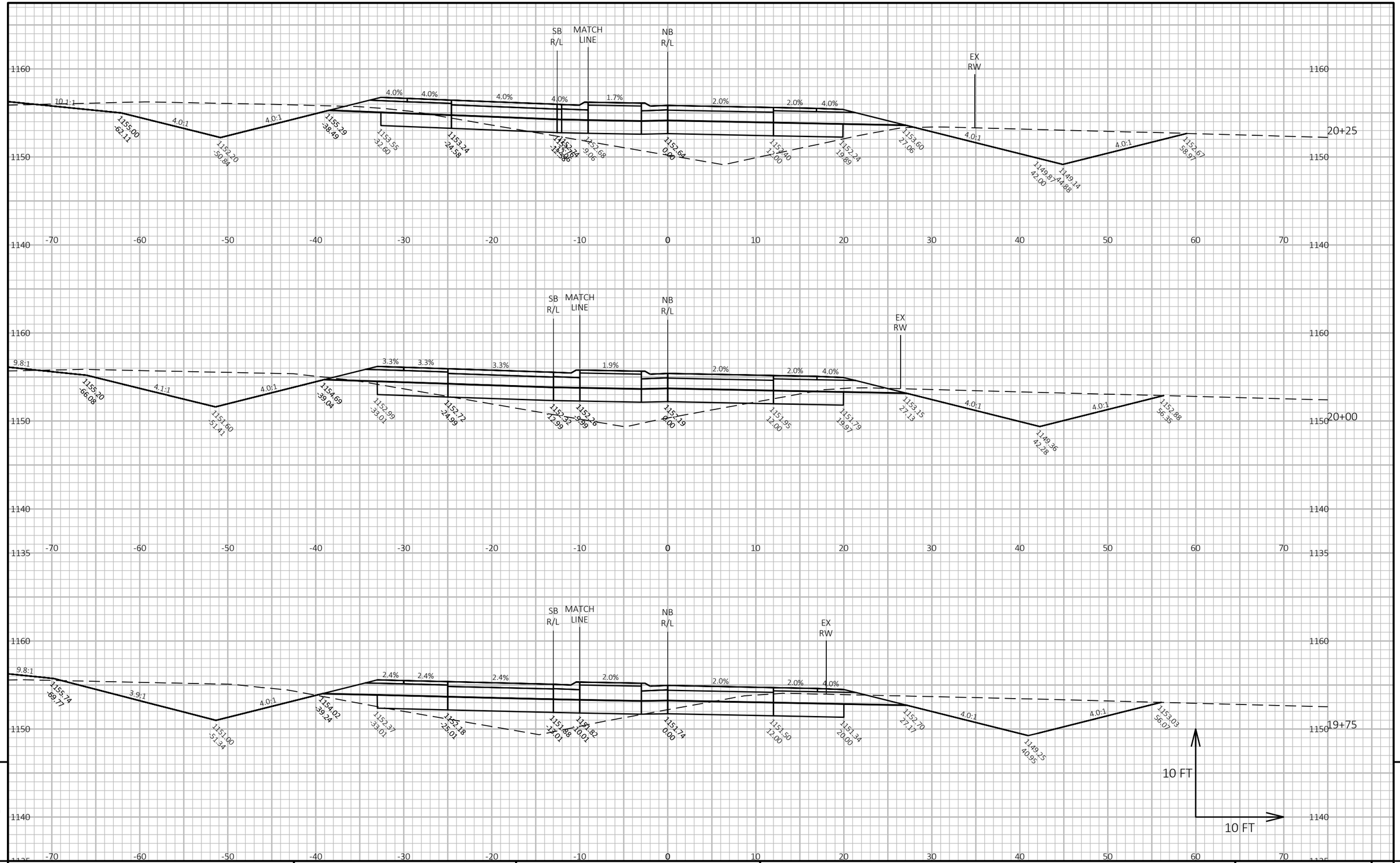
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

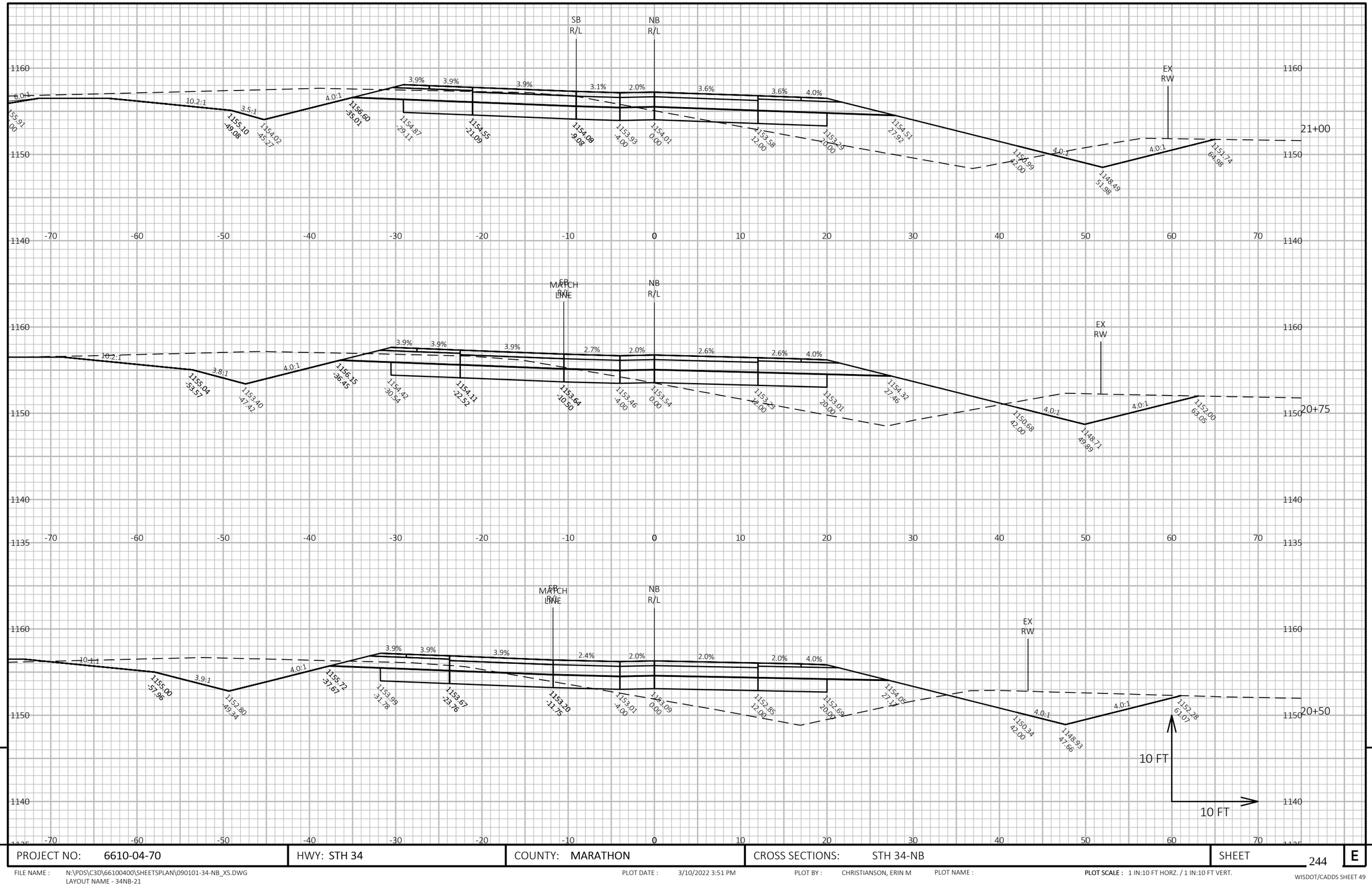


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 243 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-20

PLOT DATE : 3/10/2022 3:51 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 244	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-21

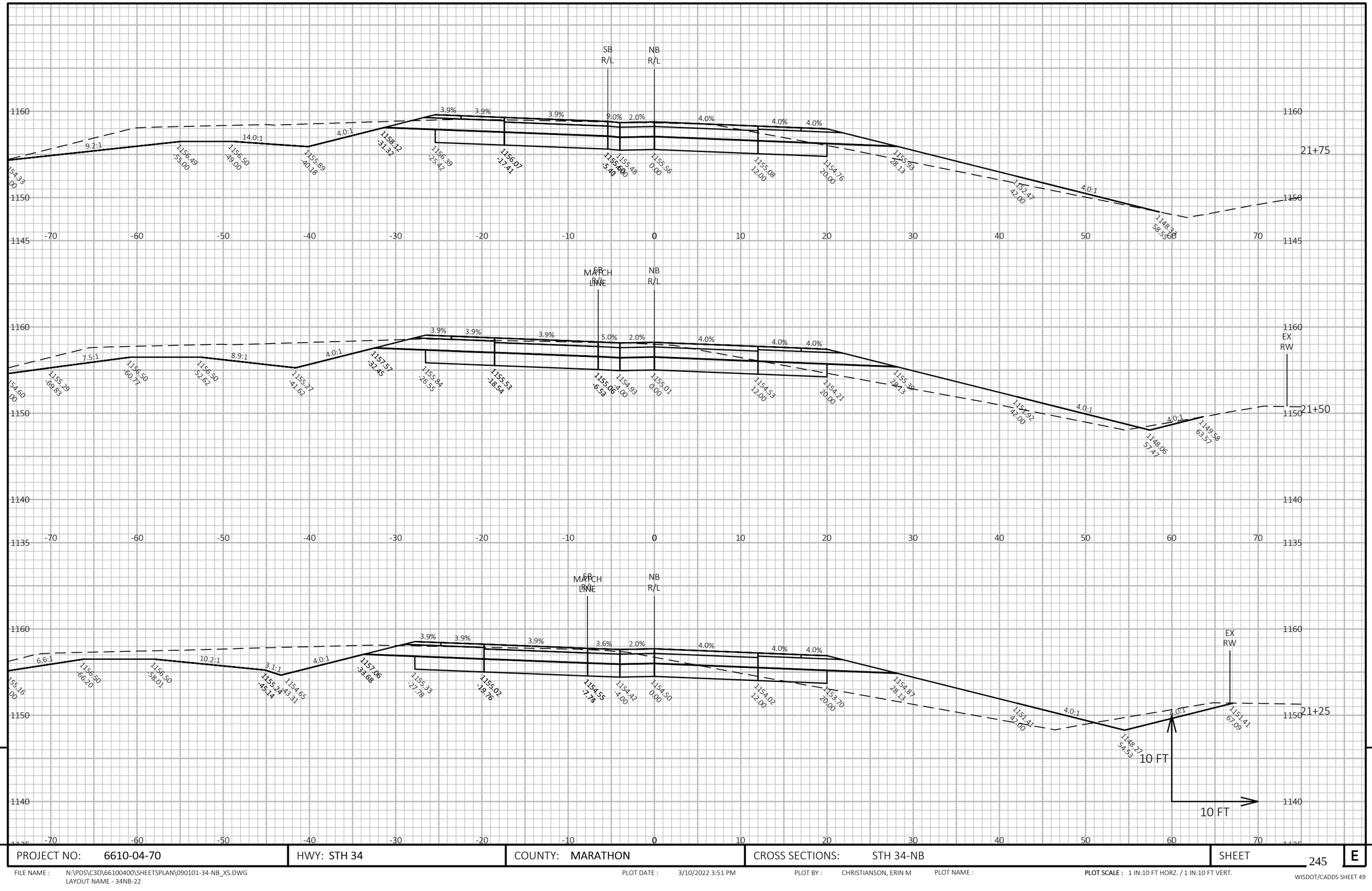
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 245	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-22

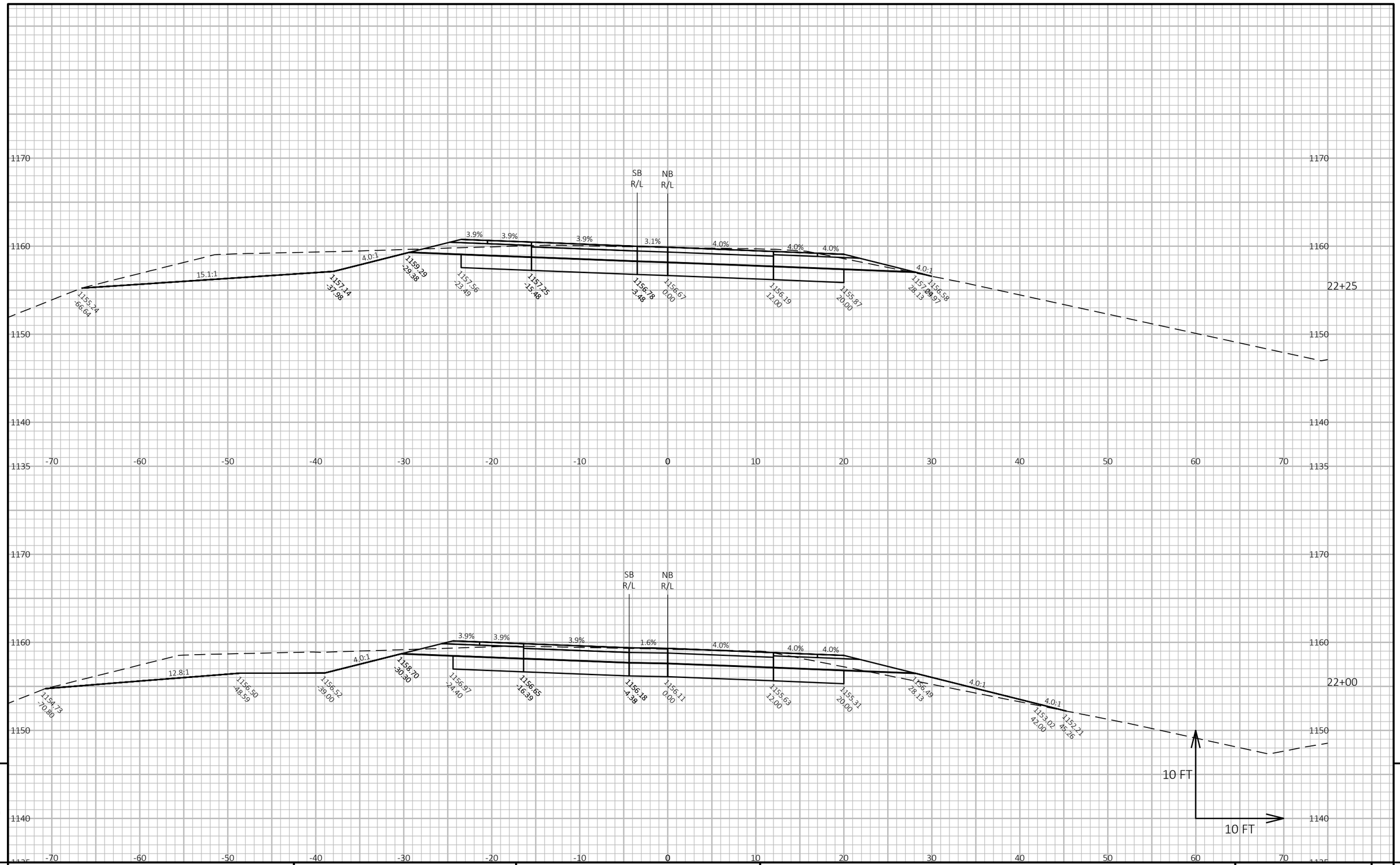
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 246	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-23

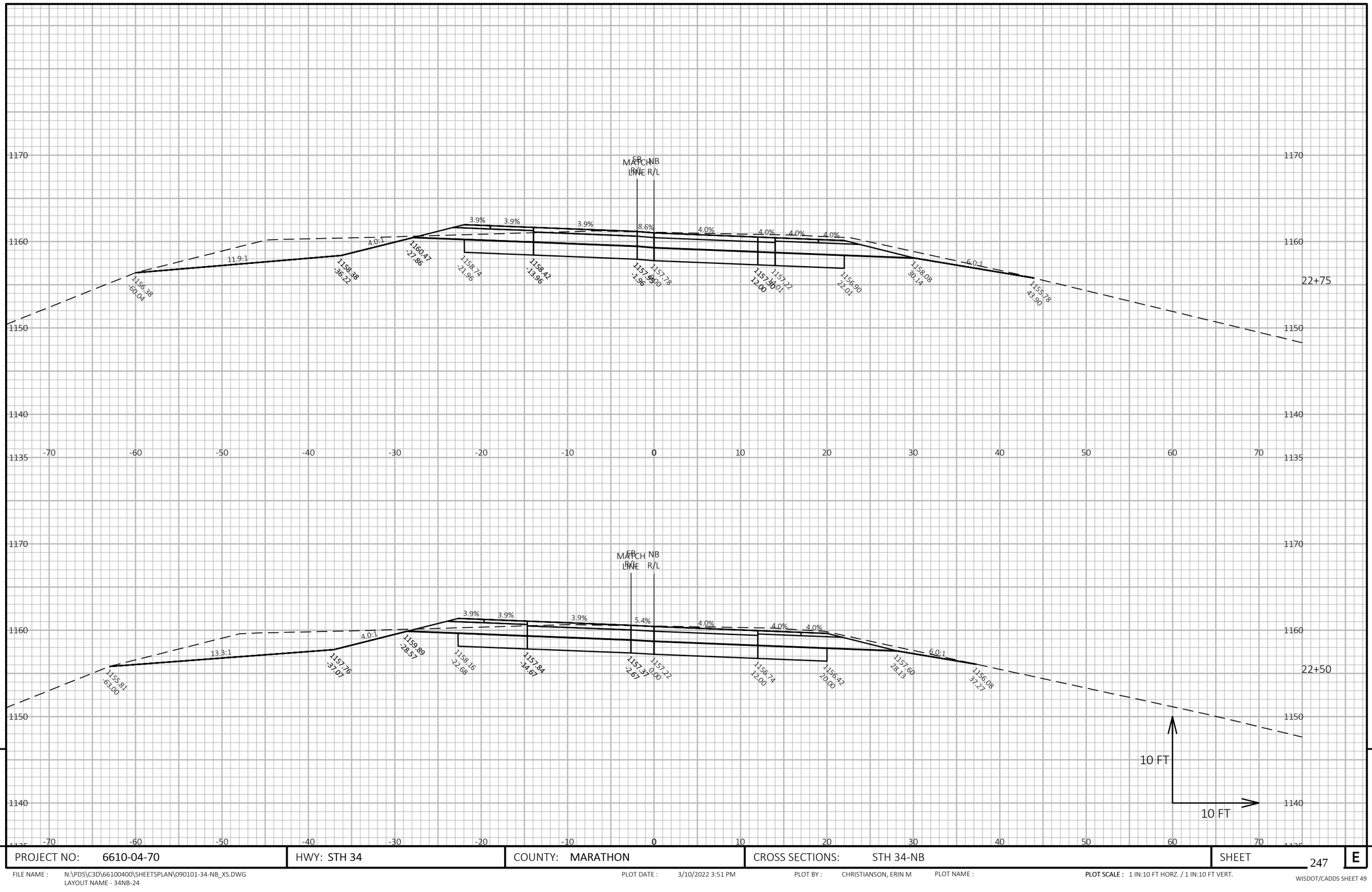
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 247	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-24

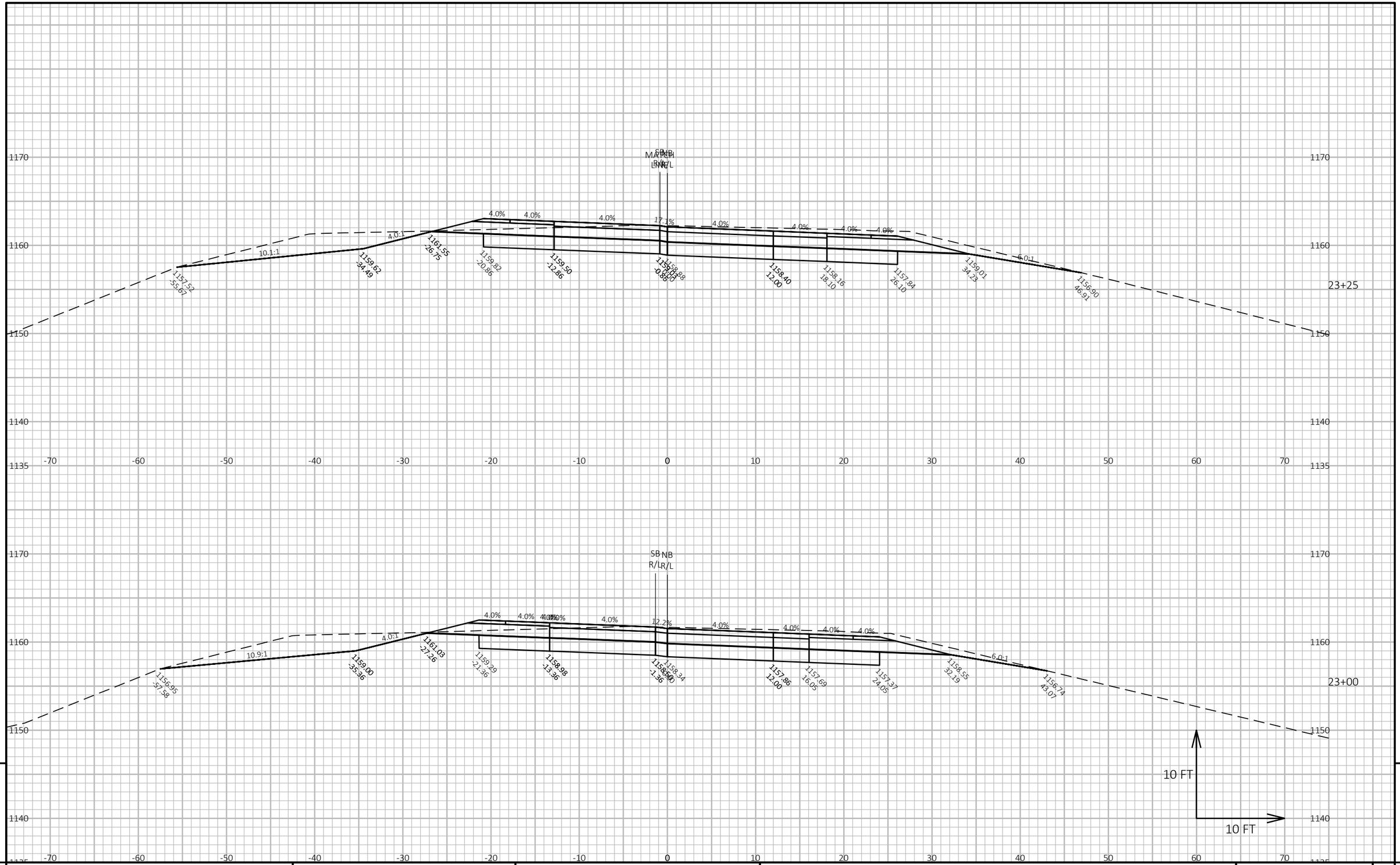
PLOT DATE : 3/10/2022 3:51 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

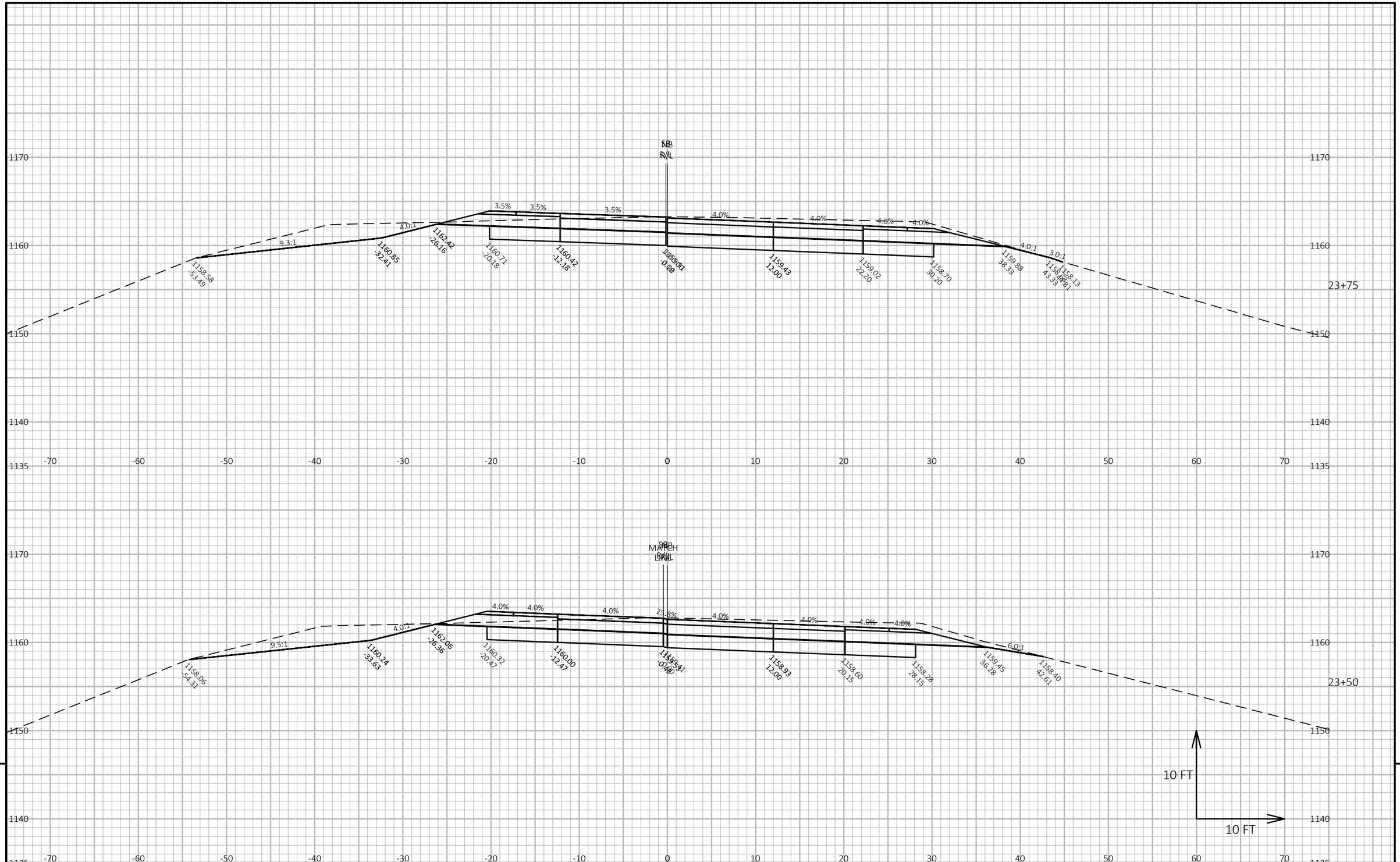


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 248	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-25

PLOT DATE : 3/10/2022 3:52 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 249	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-26

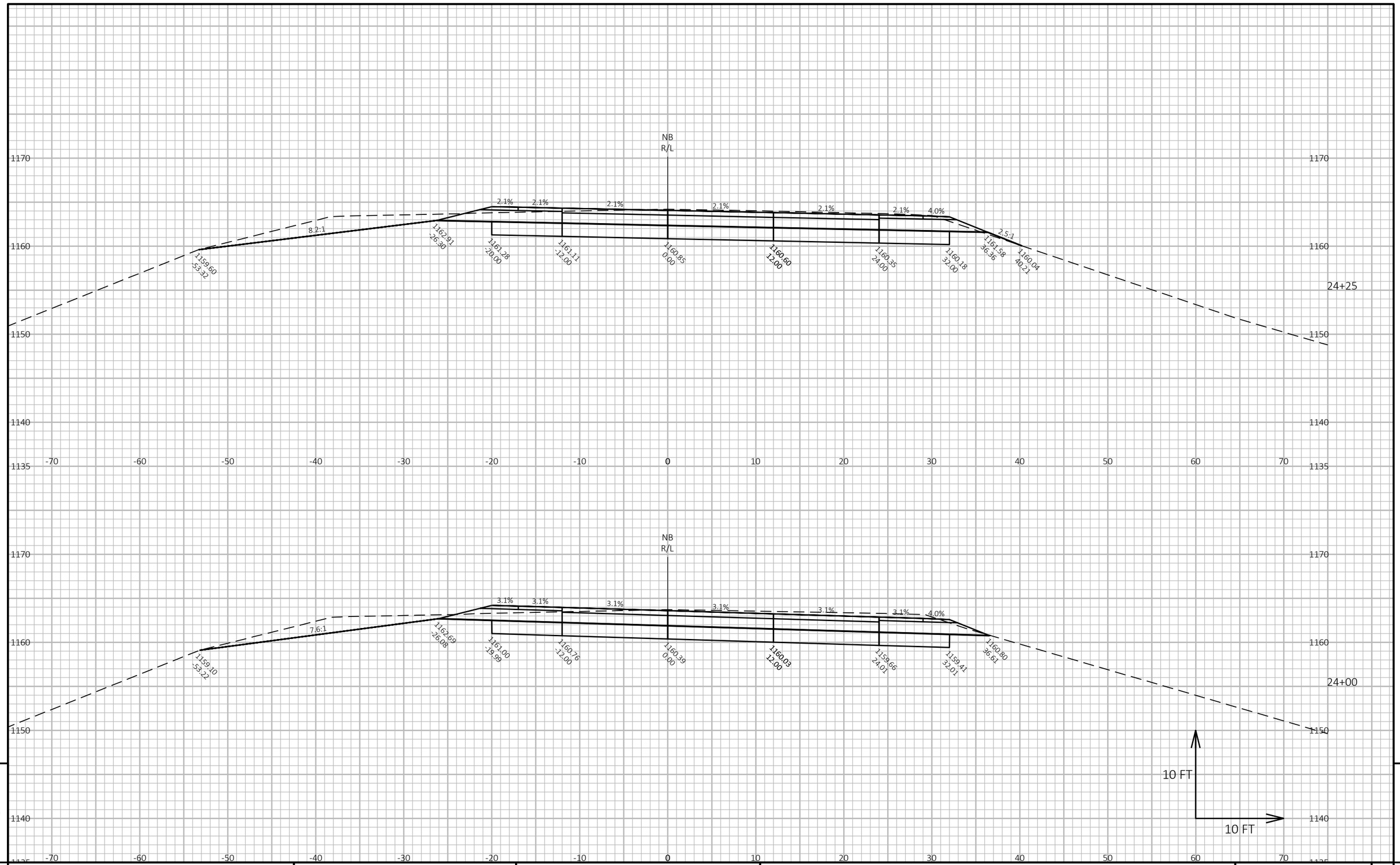
PLOT DATE : 3/10/2022 3:52 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 250	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-27

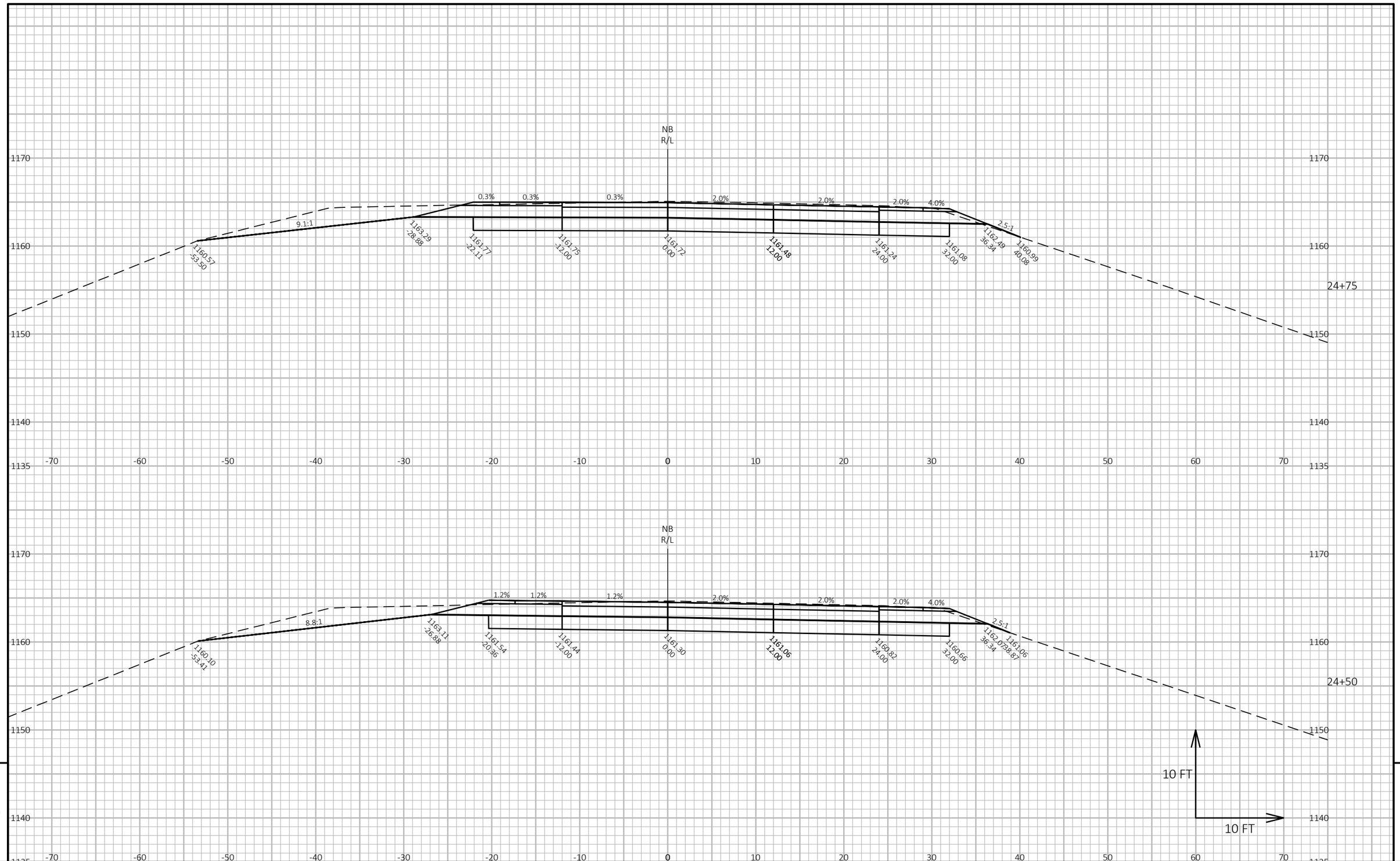
PLOT DATE : 3/10/2022 3:52 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 251	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-28

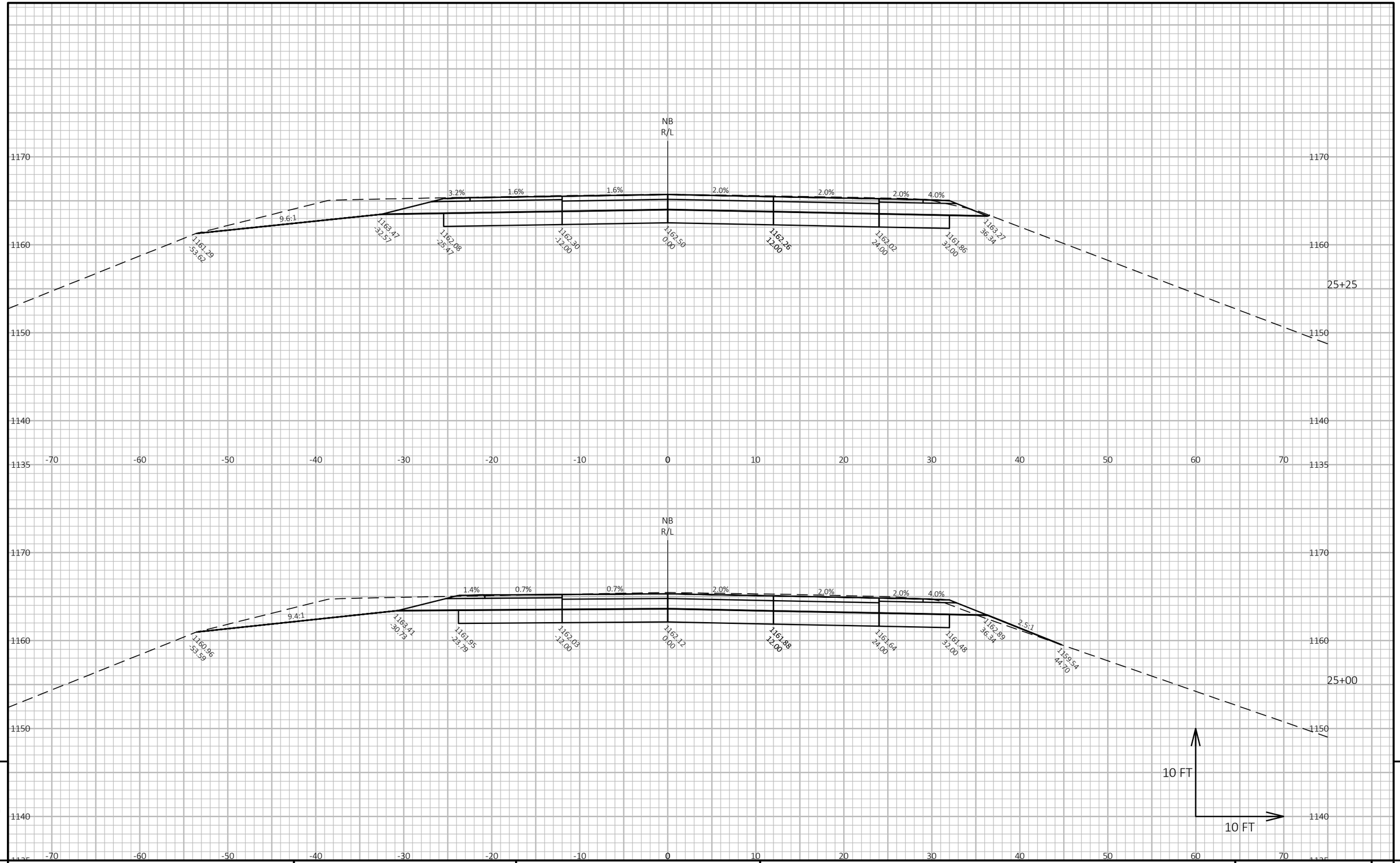
PLOT DATE : 3/10/2022 3:52 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 252	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-29

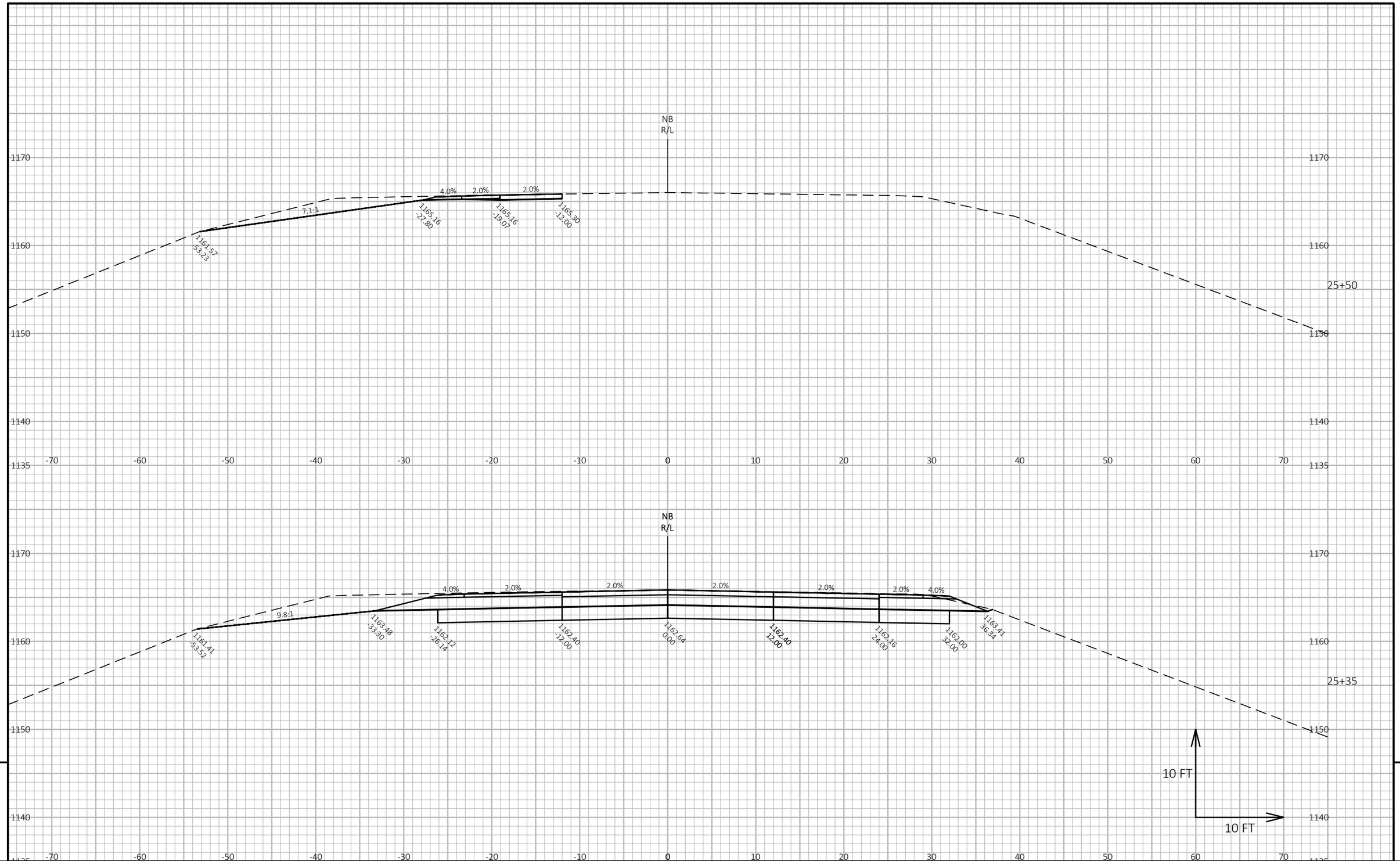
PLOT DATE : 3/10/2022 3:52 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 253 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-30

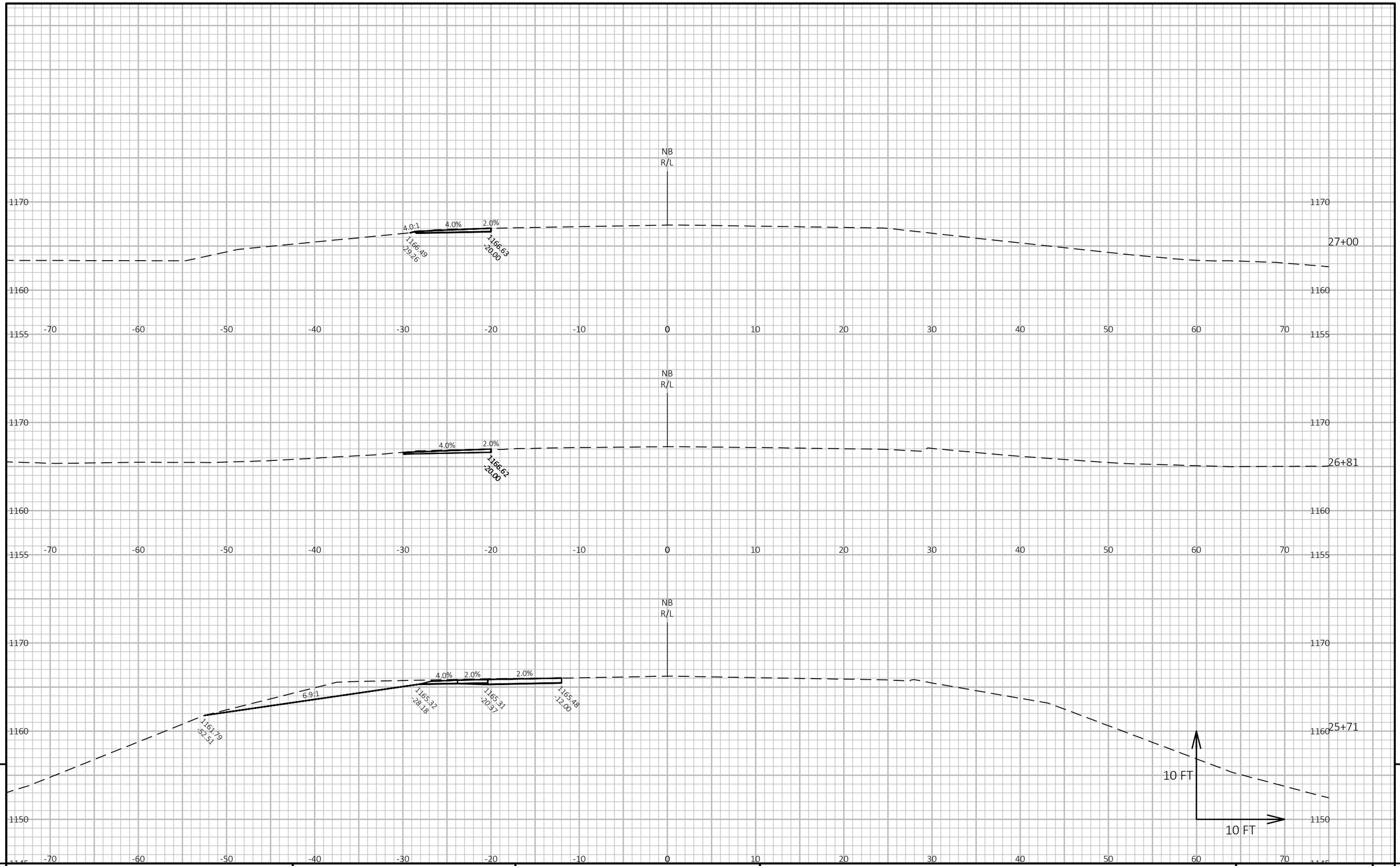
PLOT DATE : 3/10/2022 3:52 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 254	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-31

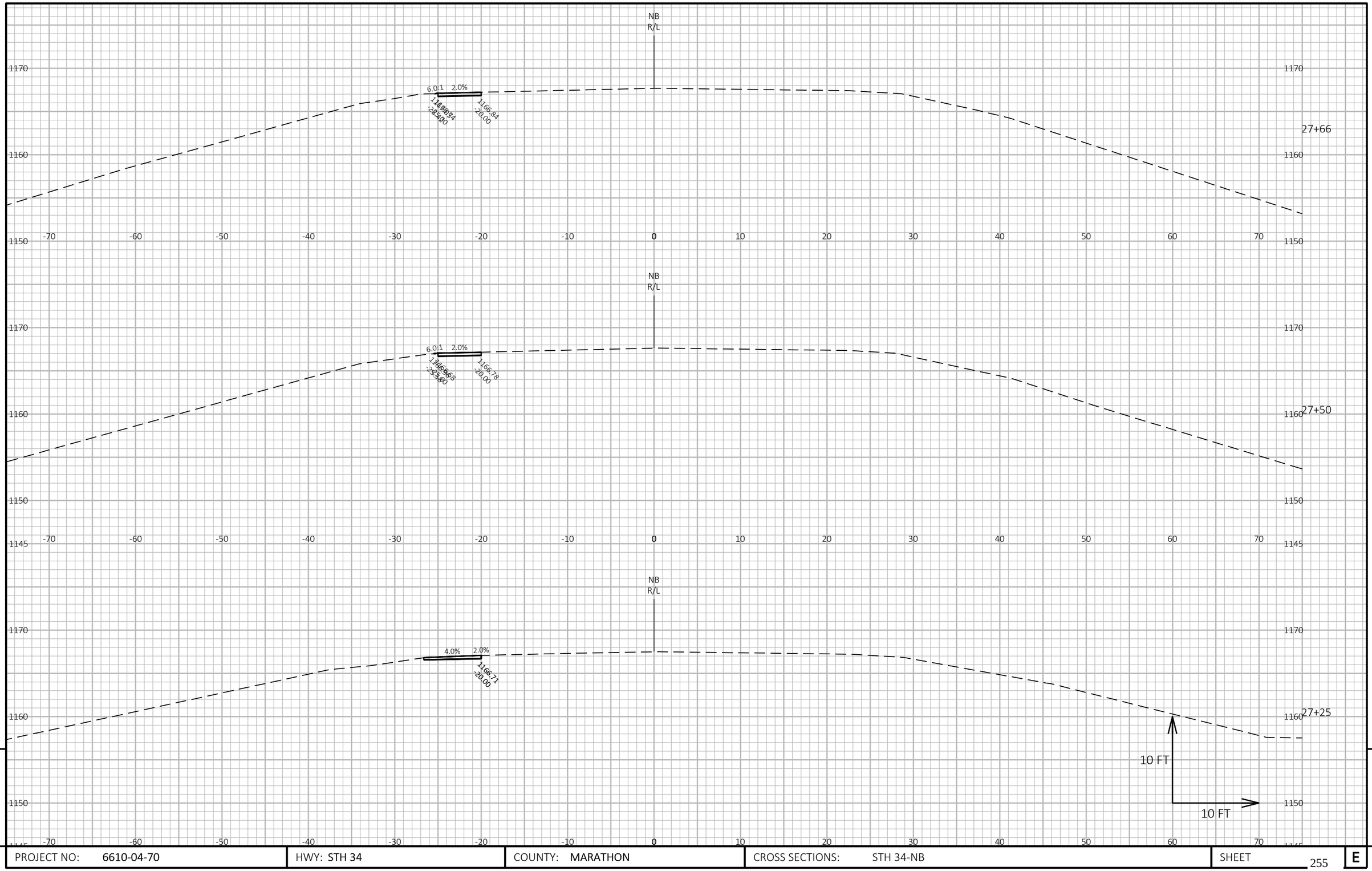
PLOT DATE : 3/10/2022 3:52 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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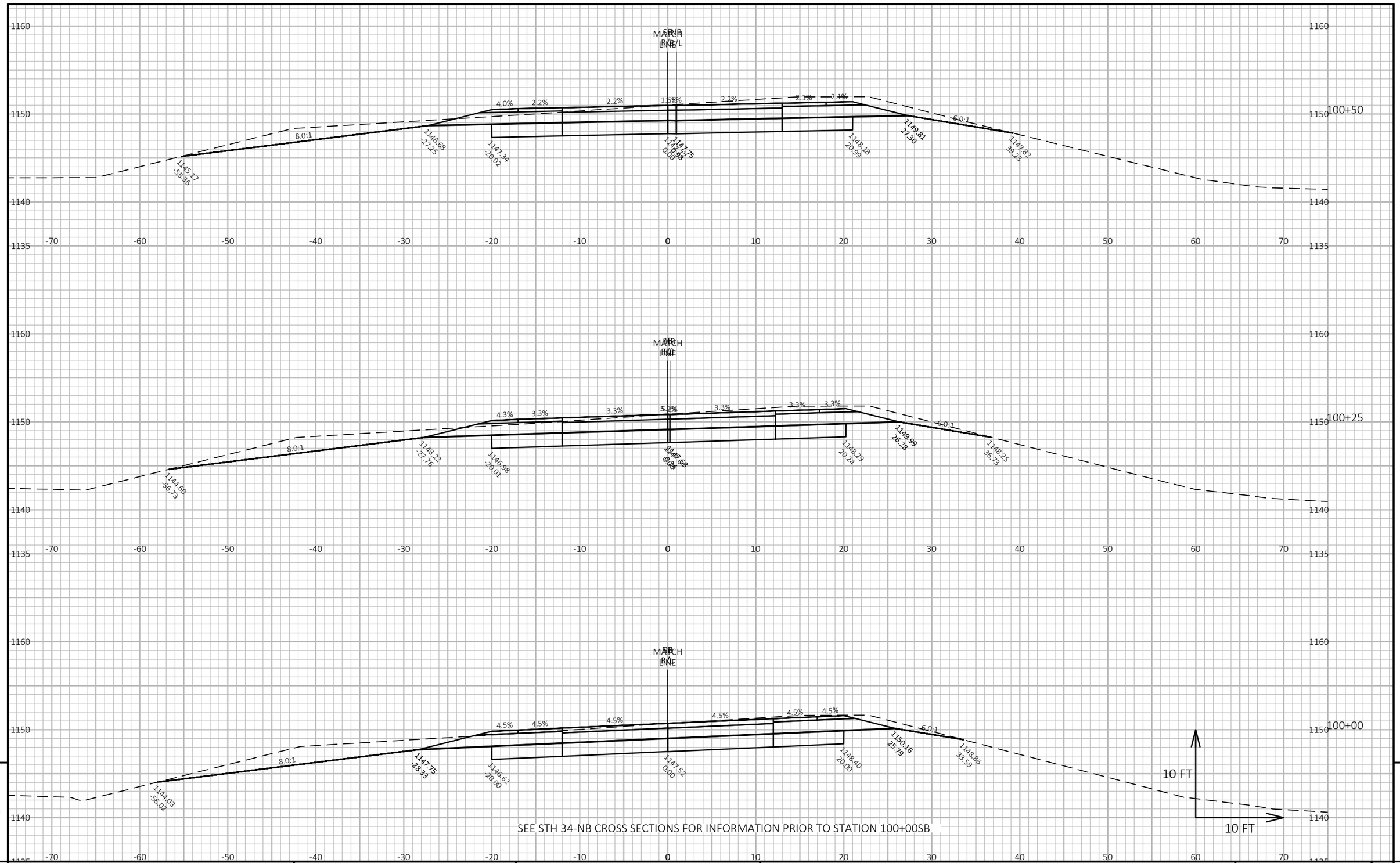
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-NB	SHEET 255	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090101-34-NB_XS.DWG
LAYOUT NAME - 34NB-32

PLOT DATE : 3/10/2022 3:52 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

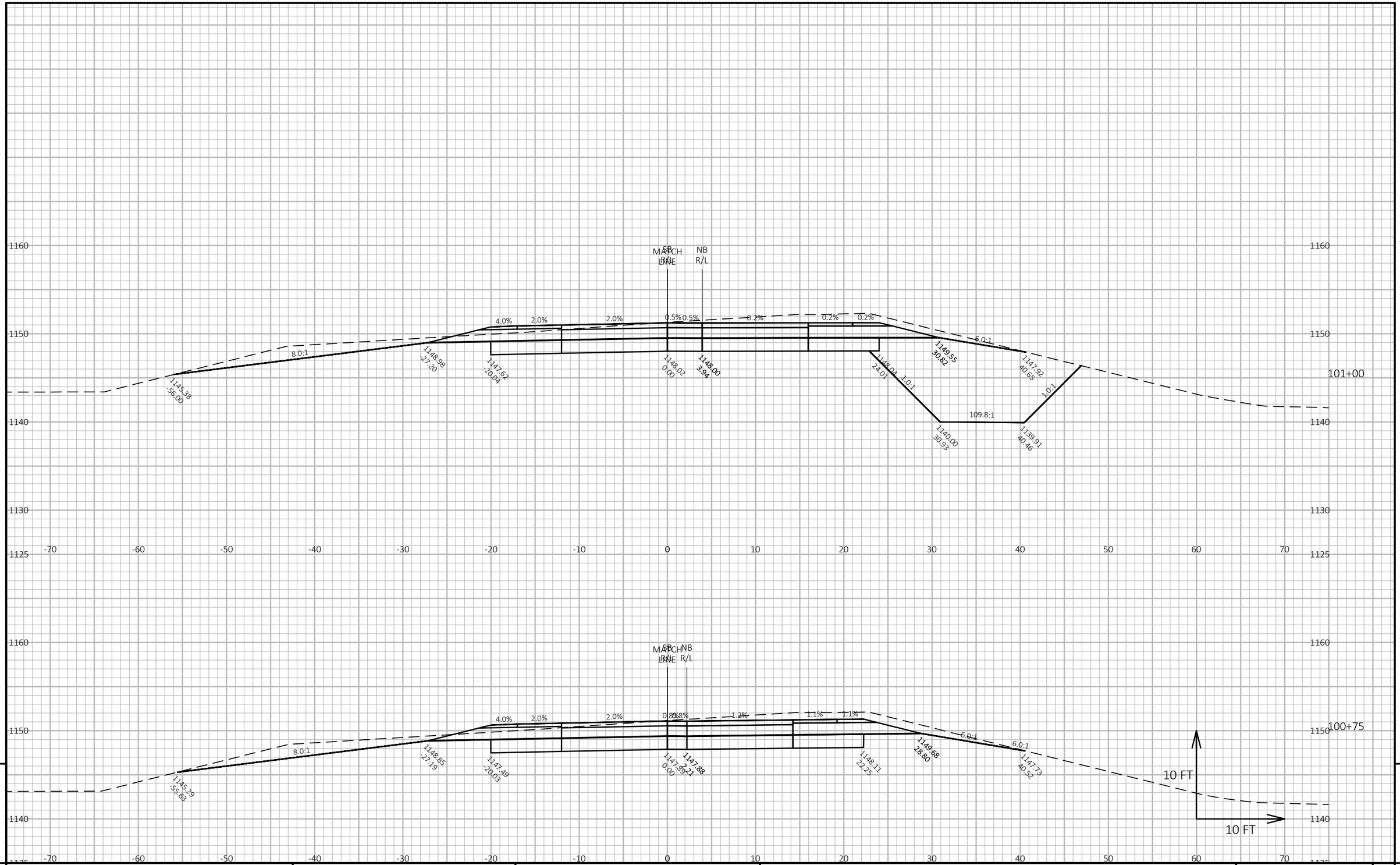


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 256	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB01

PLOT DATE : 3/10/2022 4:13 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 257	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB02

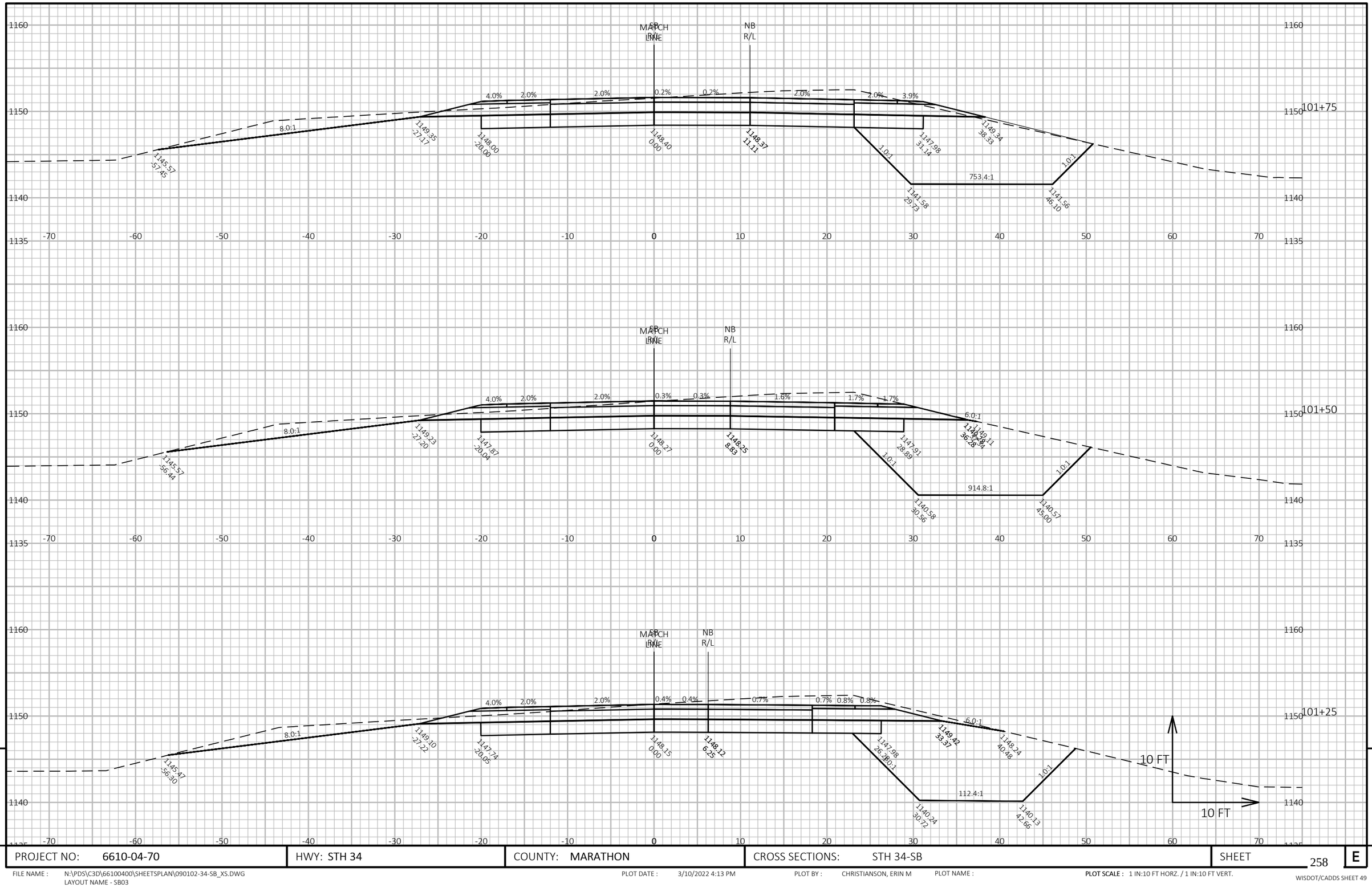
PLOT DATE : 3/10/2022 4:13 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 258	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB03

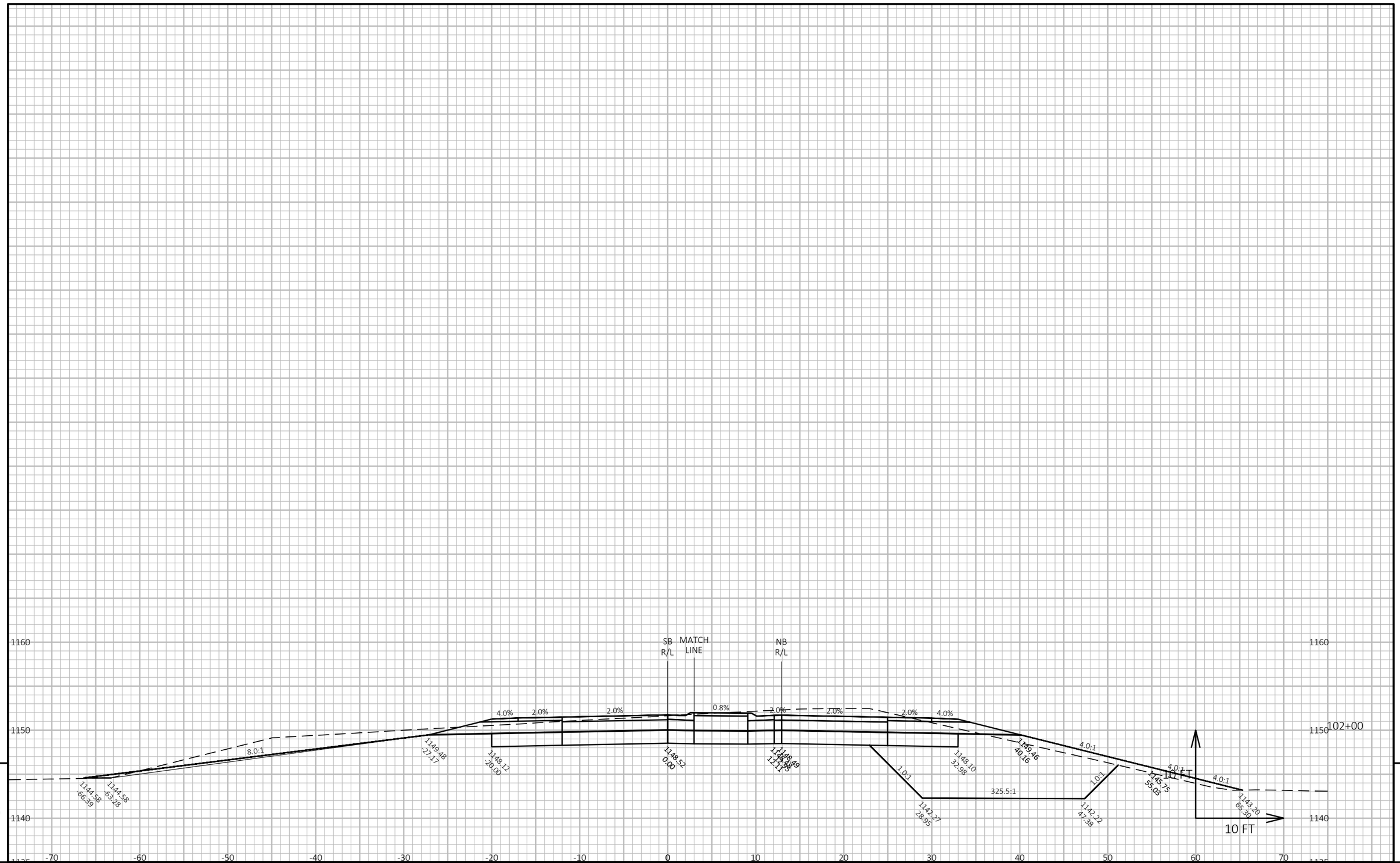
PLOT DATE : 3/10/2022 4:13 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 259	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB04

PLOT DATE : 3/10/2022 4:13 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 260	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB05

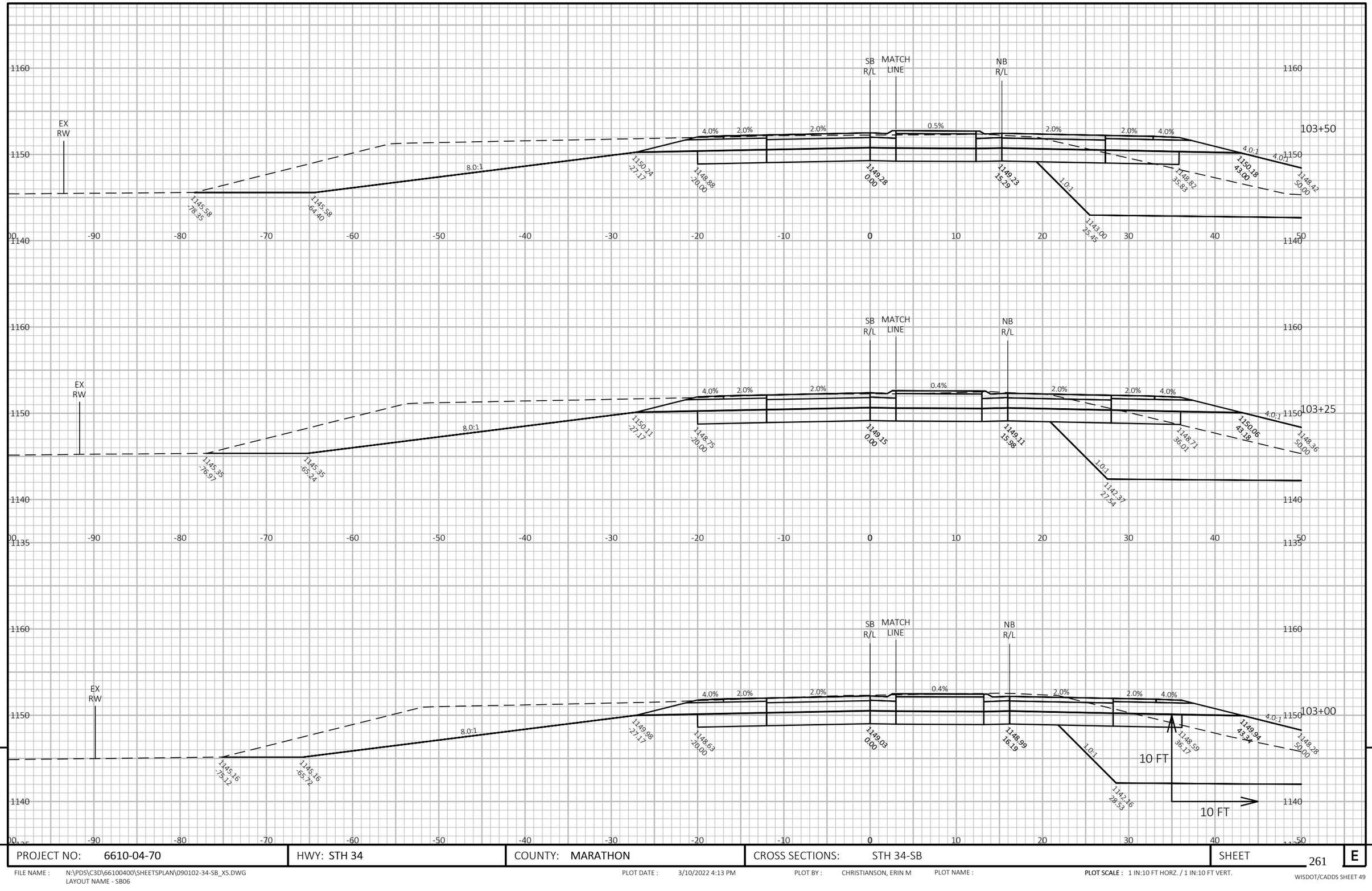
PLOT DATE : 3/10/2022 4:13 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 261	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB06

PLOT DATE : 3/10/2022 4:13 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 262	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB07

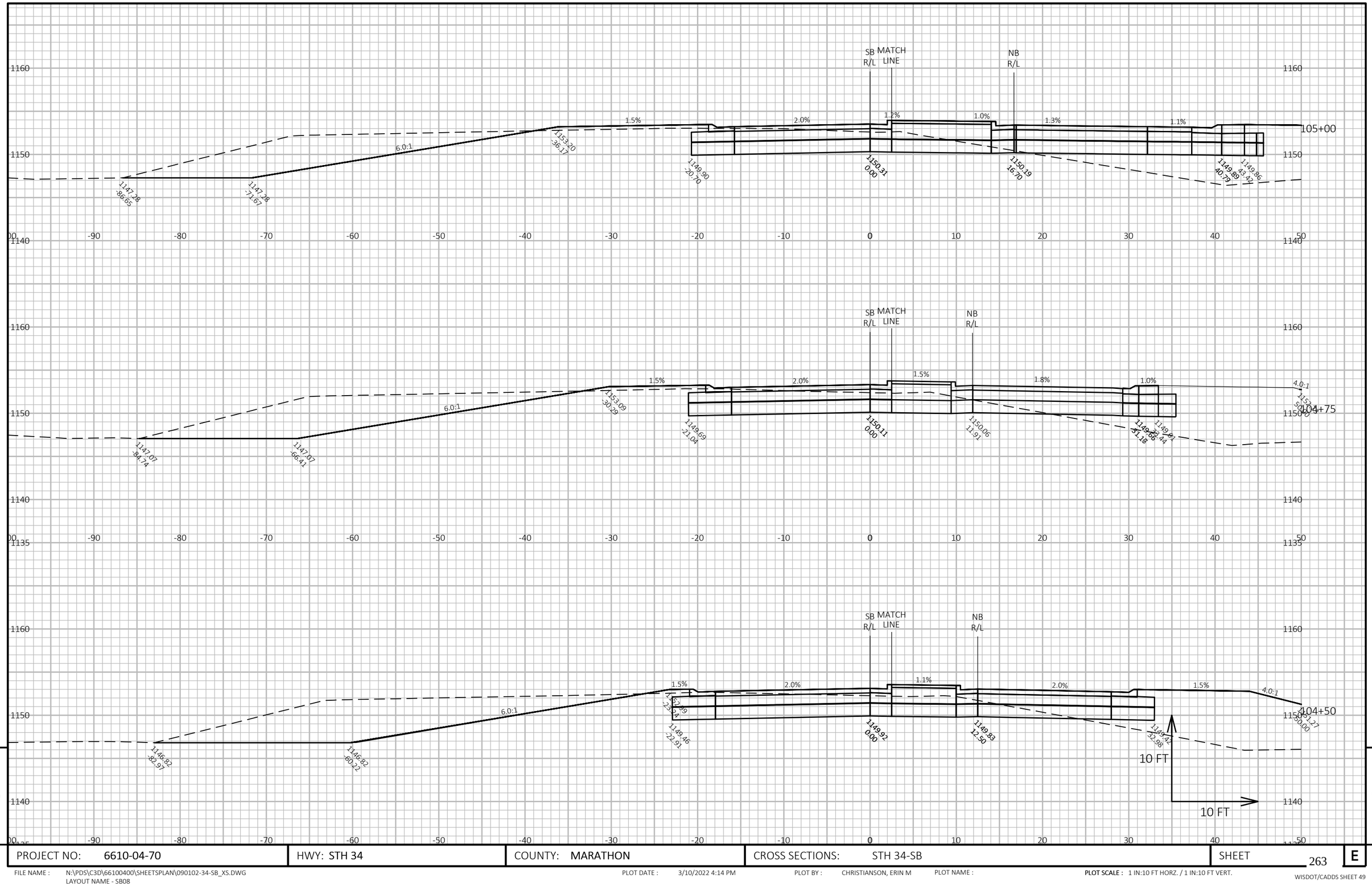
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 263 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB08

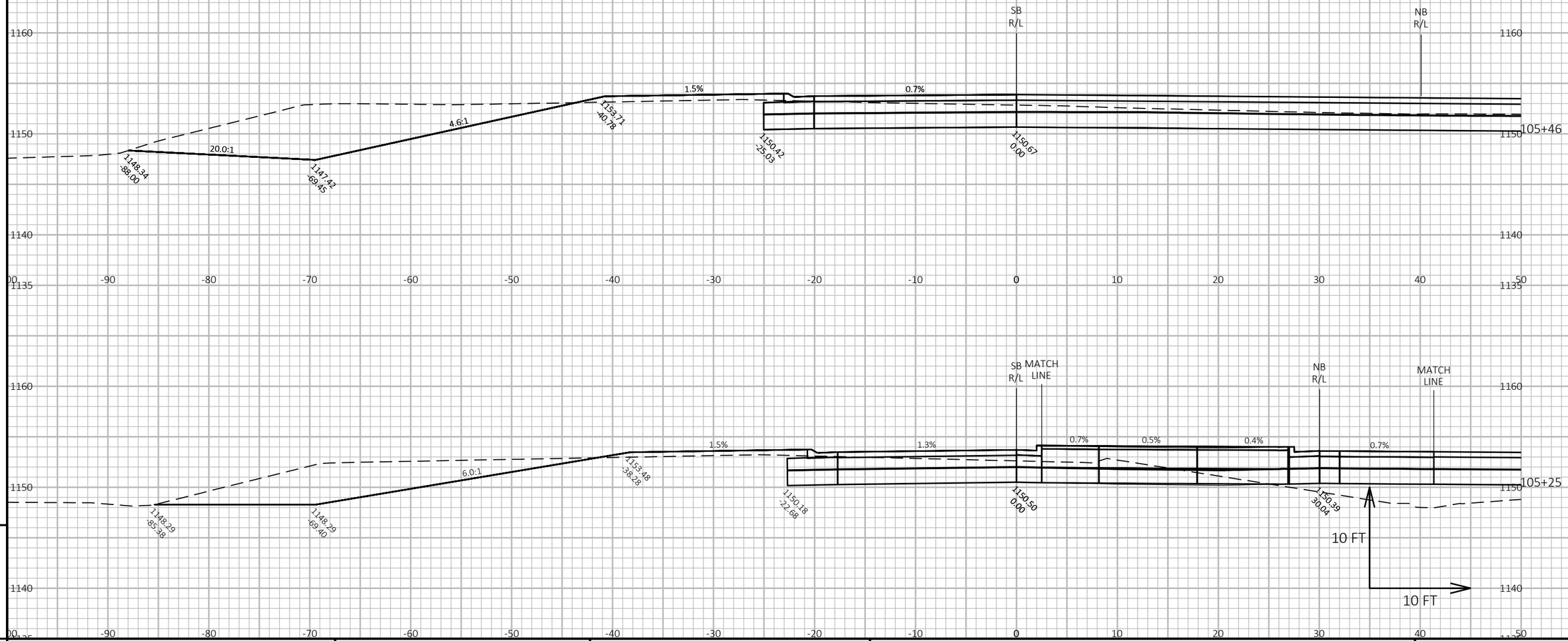
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 264	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB09

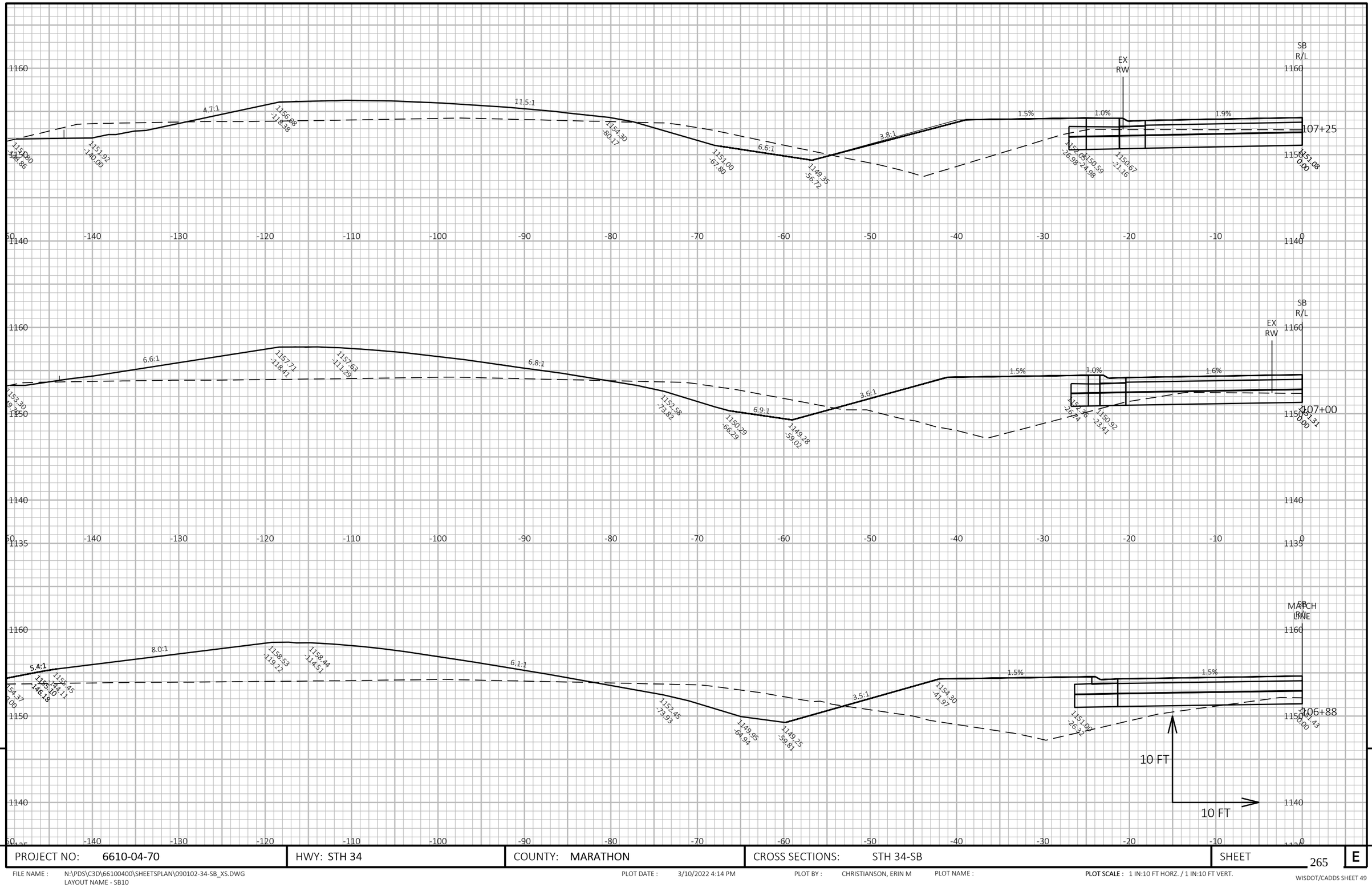
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 265	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB10

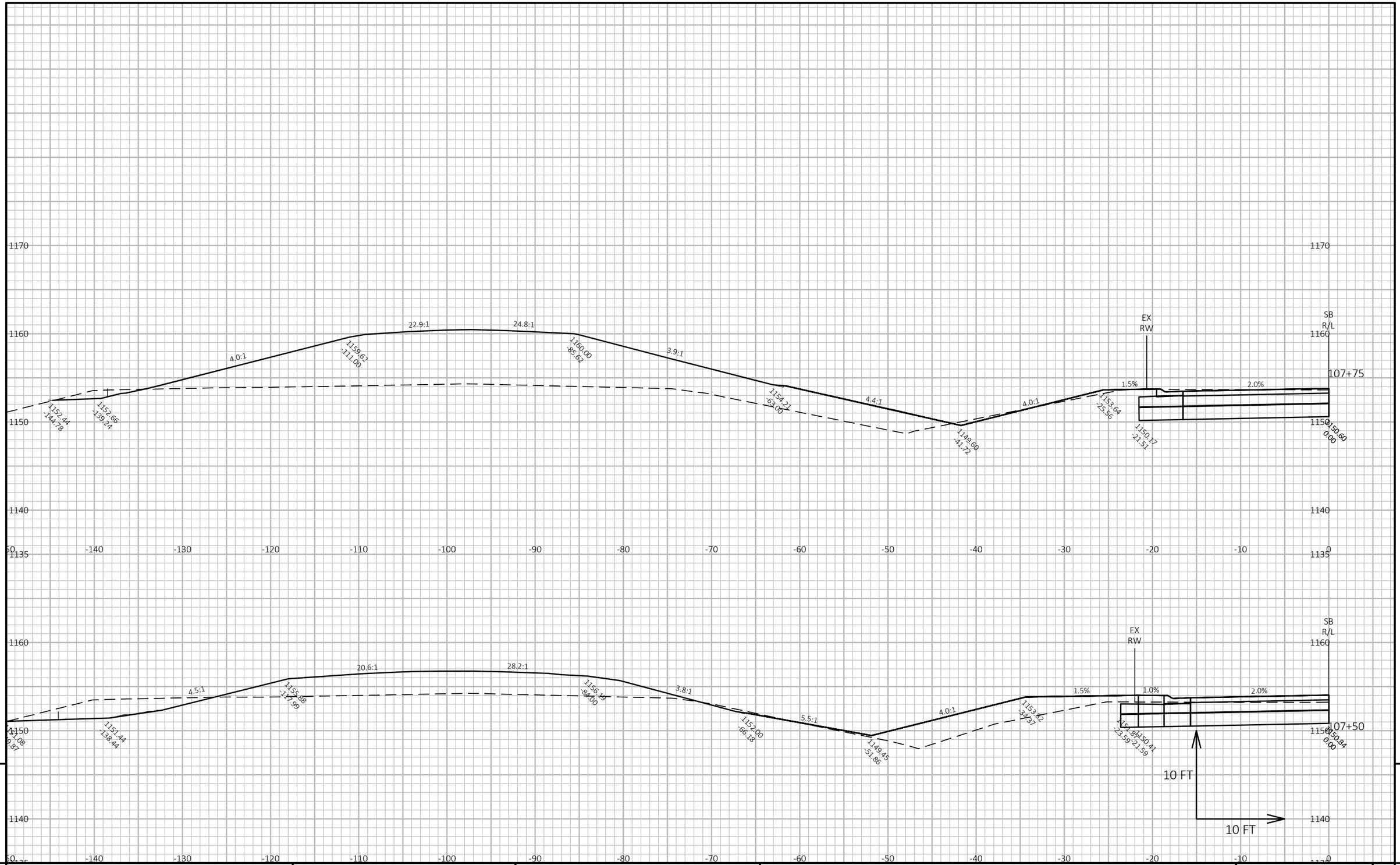
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

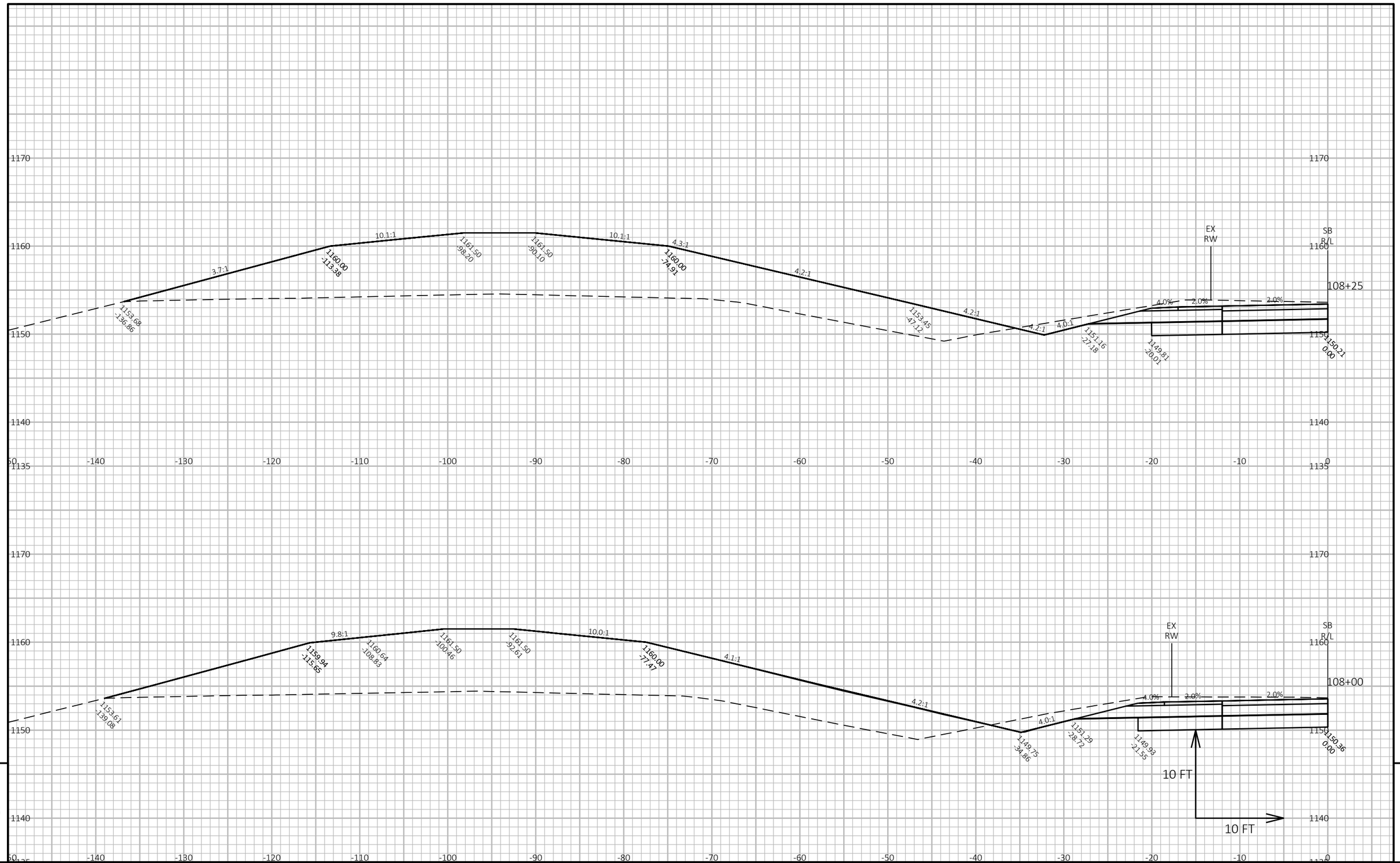


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 266	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB11

PLOT DATE : 3/10/2022 4:14 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 267	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB12

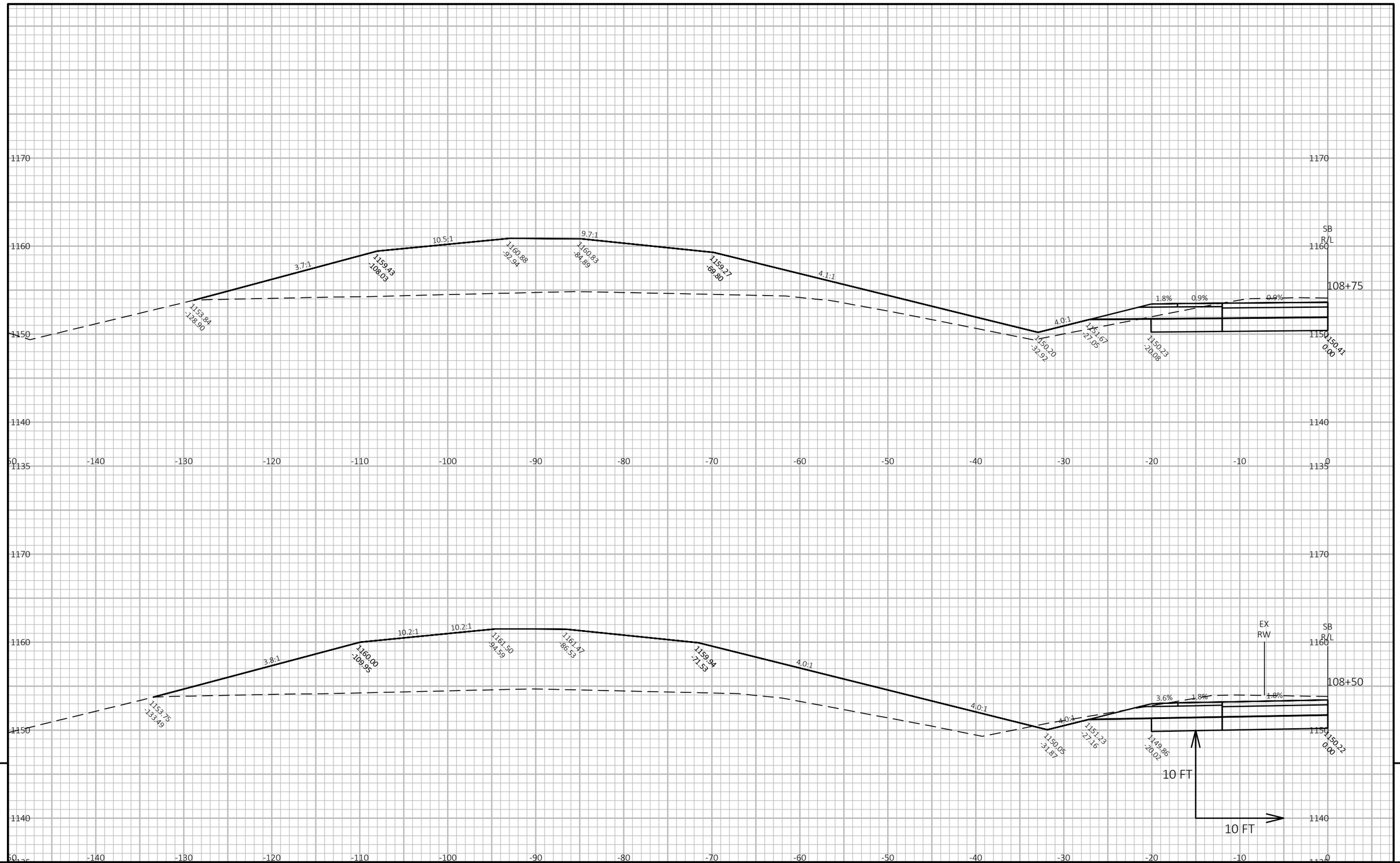
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 268	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB13

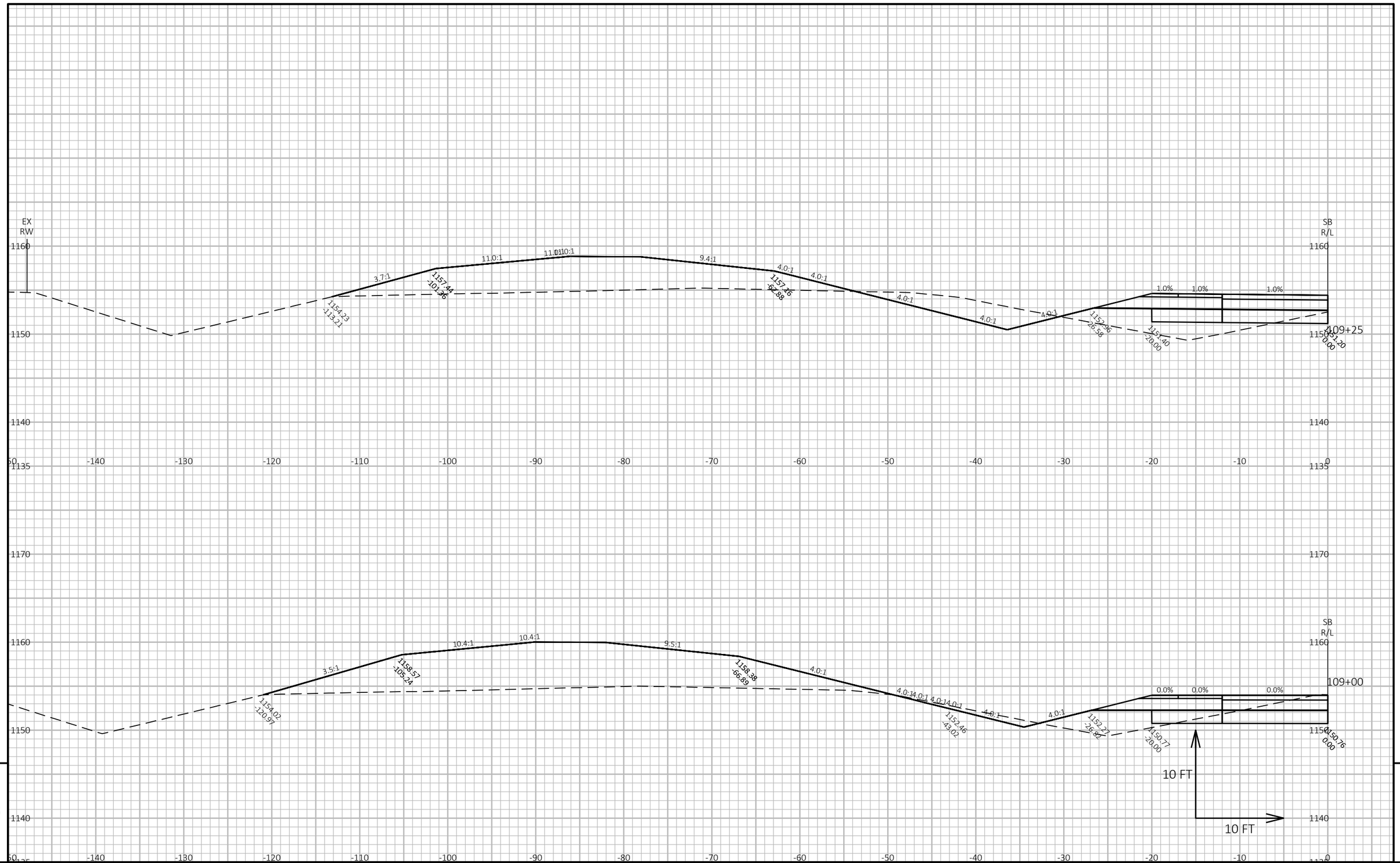
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 269	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB14

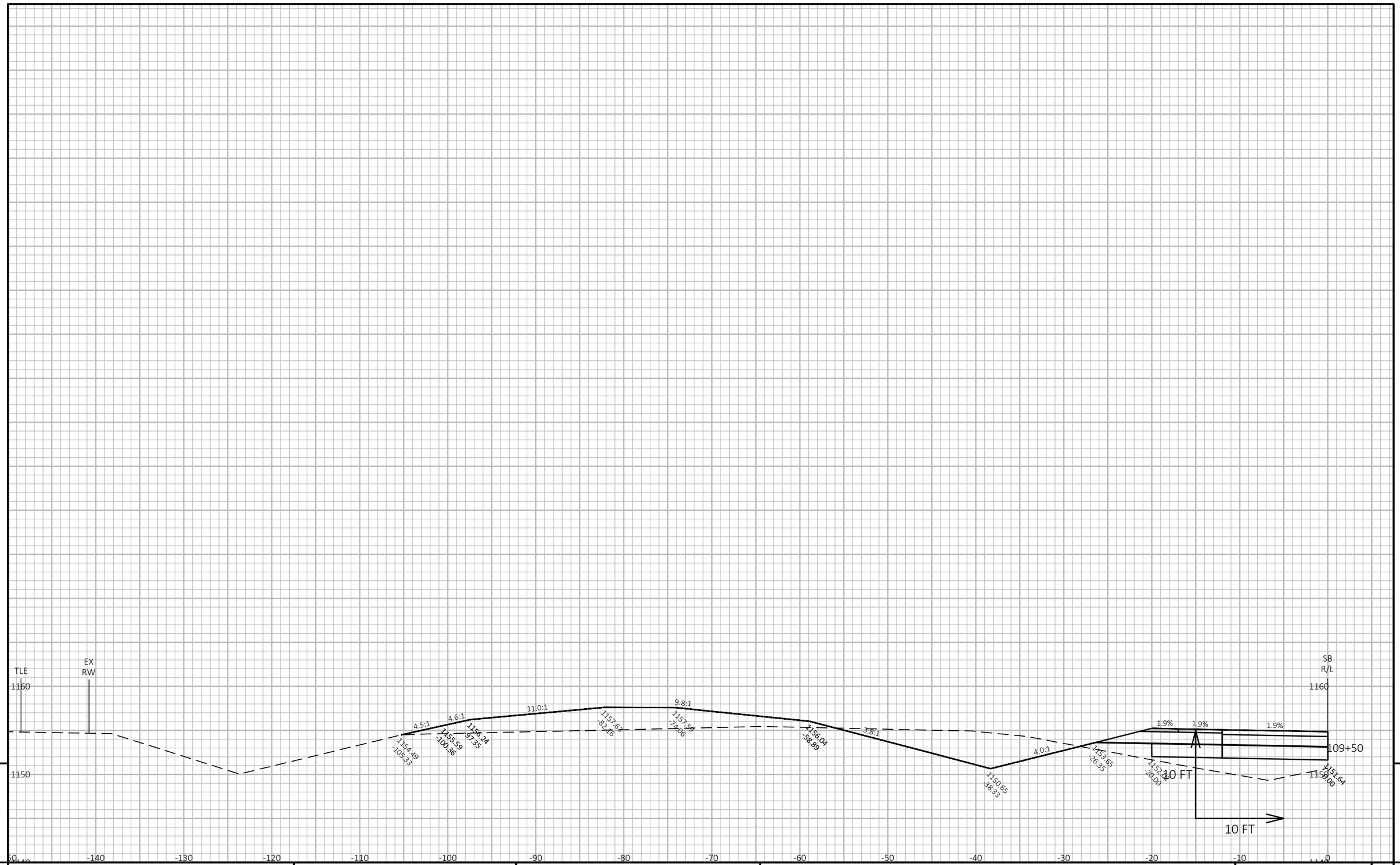
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



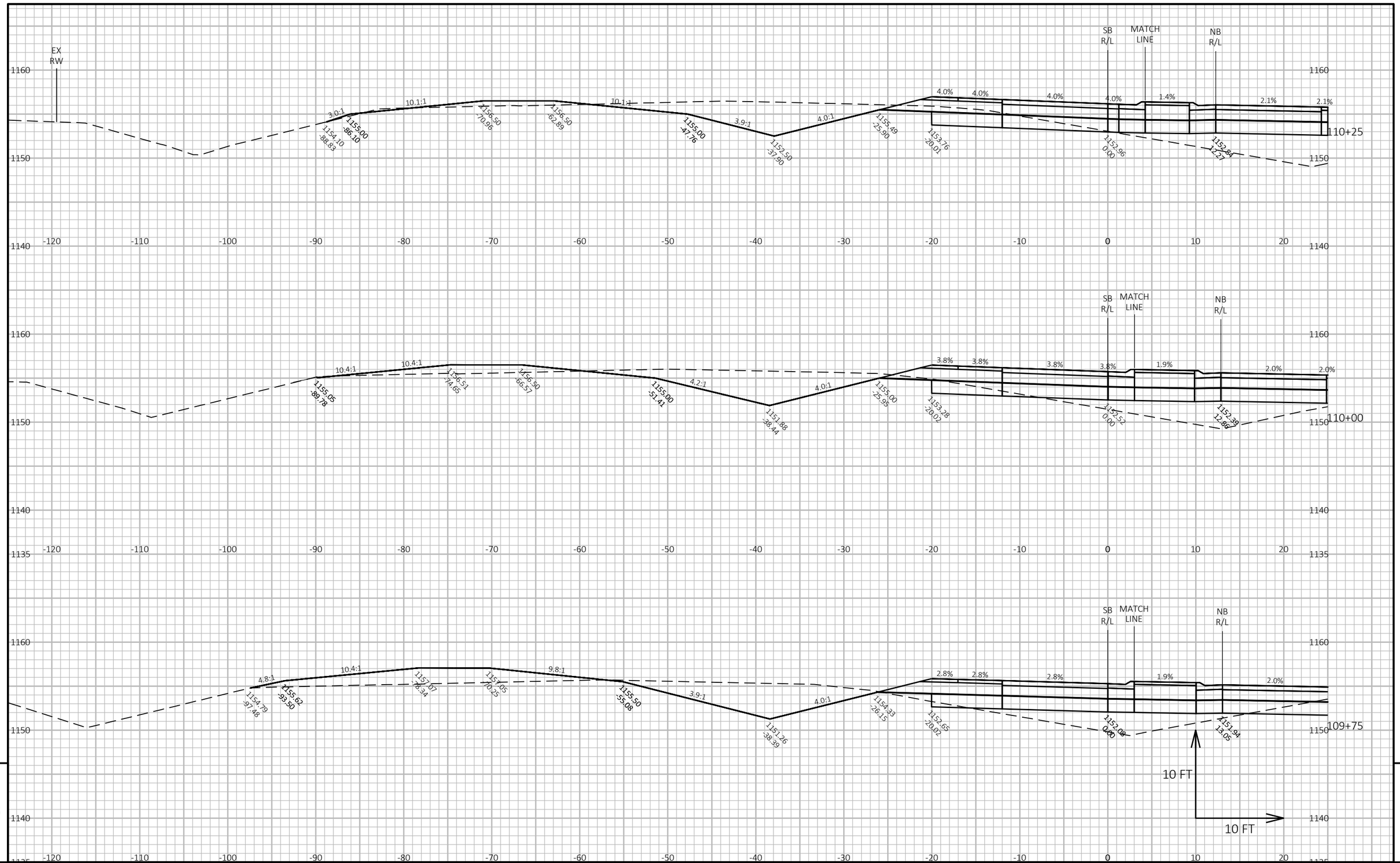
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 270	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB15

PLOT DATE : 3/10/2022 4:14 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 271	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB16

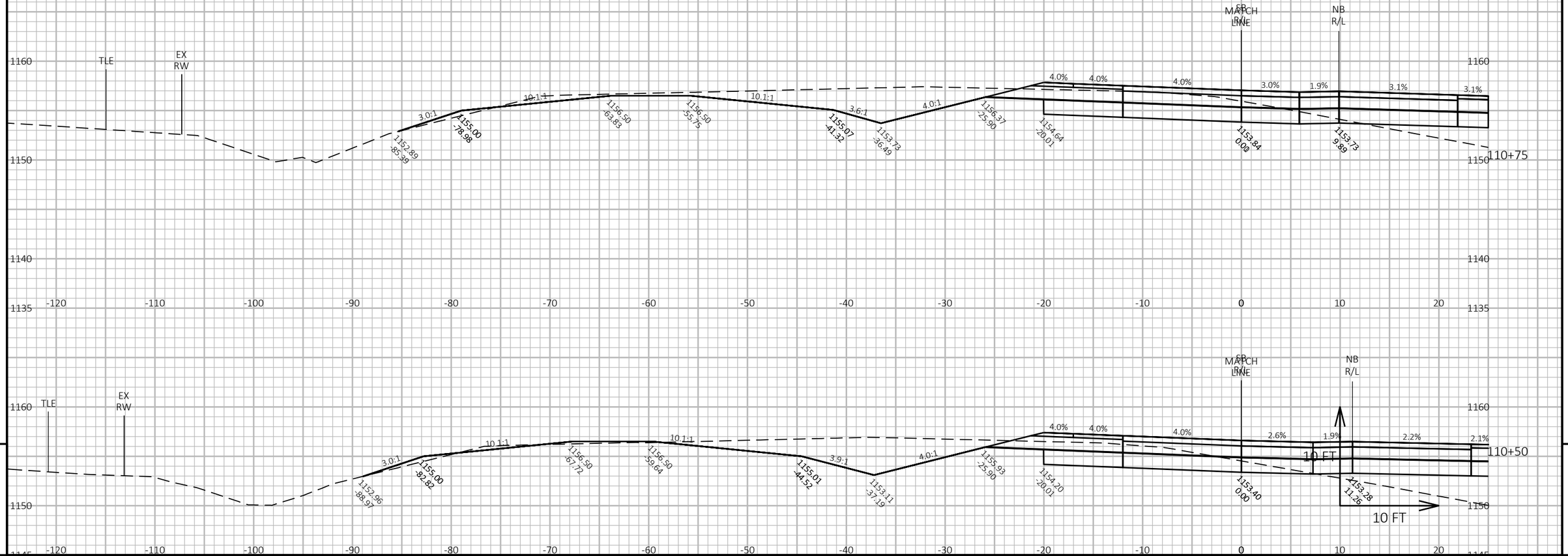
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 272	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB17

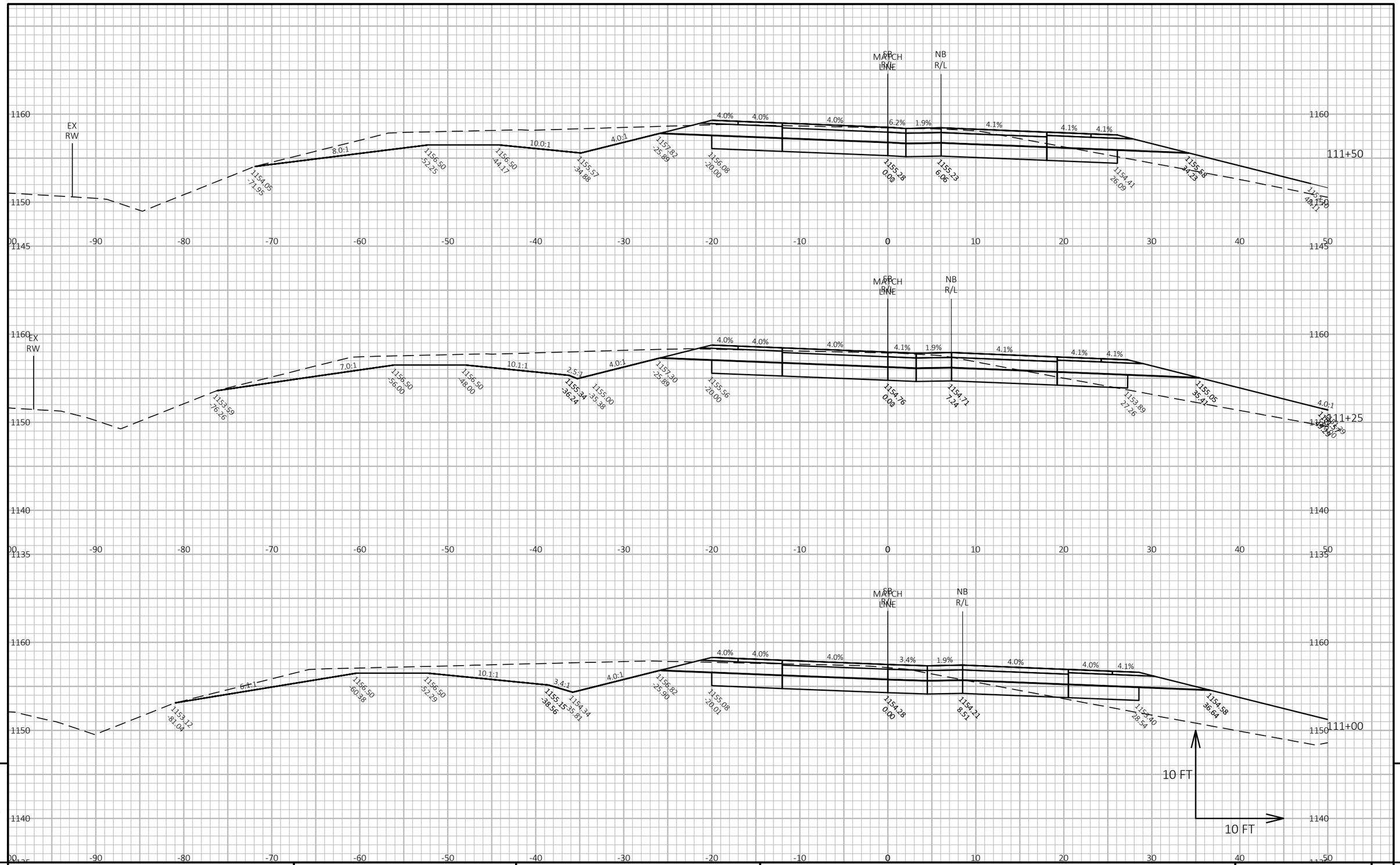
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 273 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB18

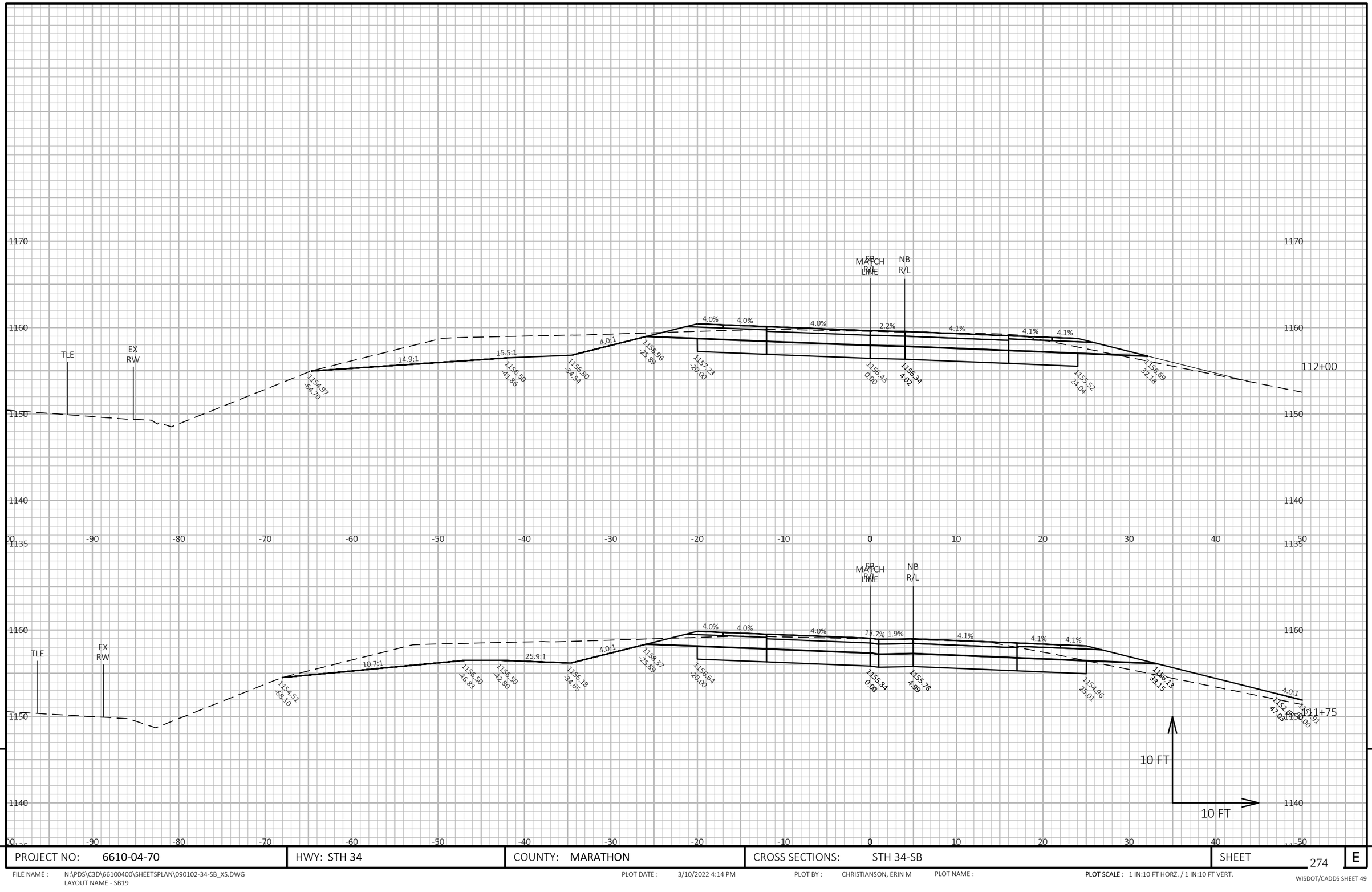
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 274	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB19

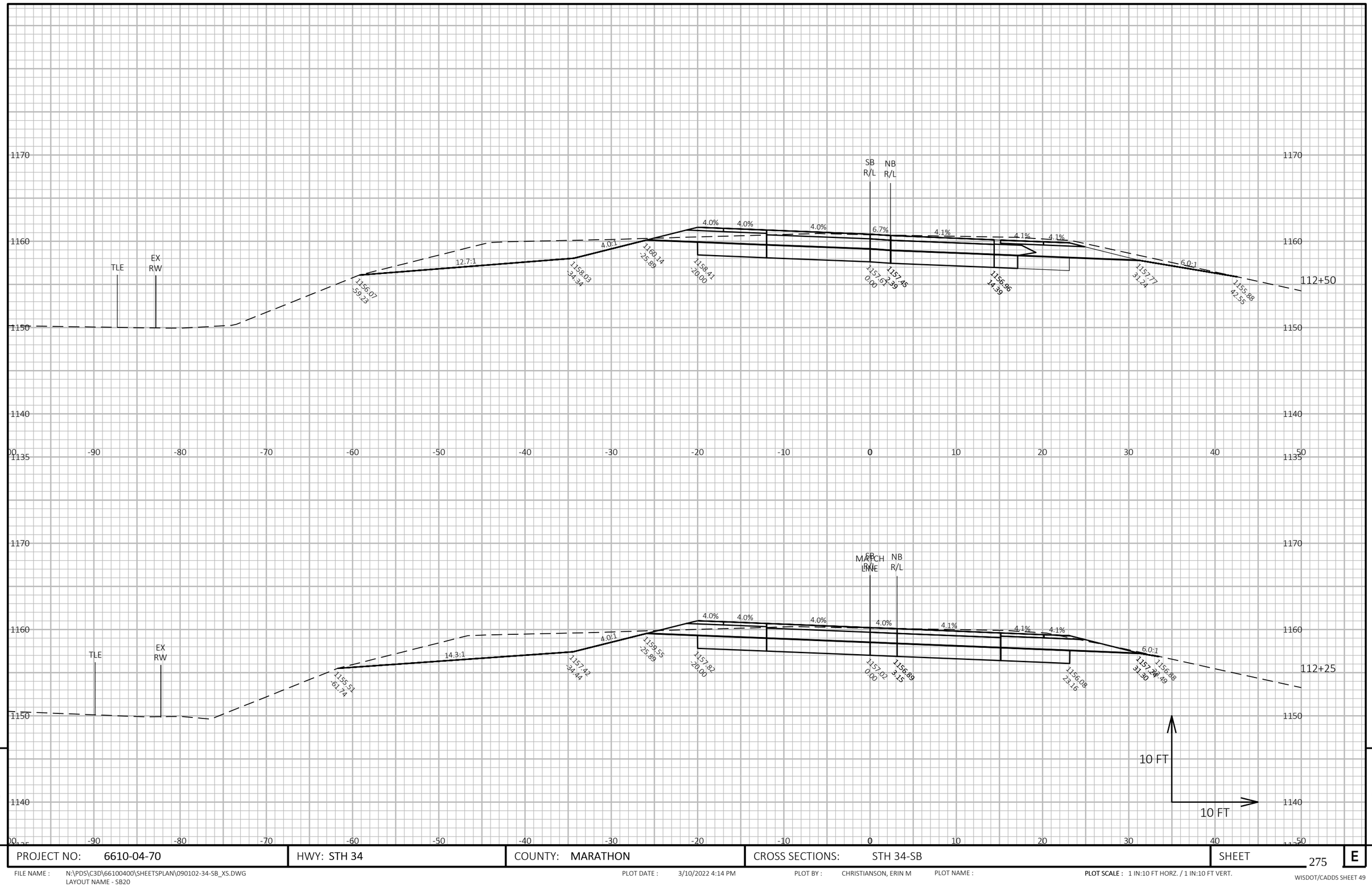
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 275	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB20

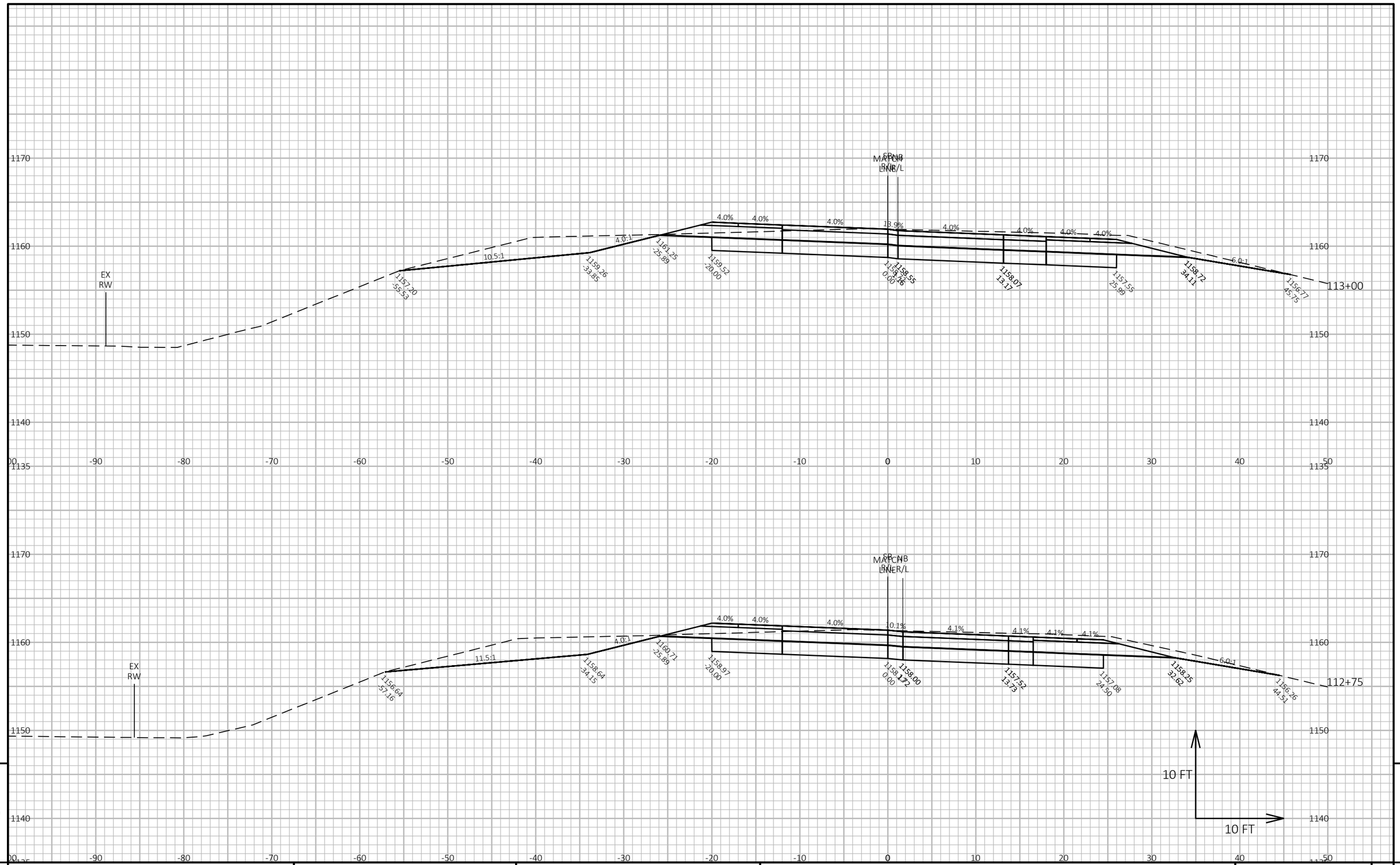
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 276	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB21

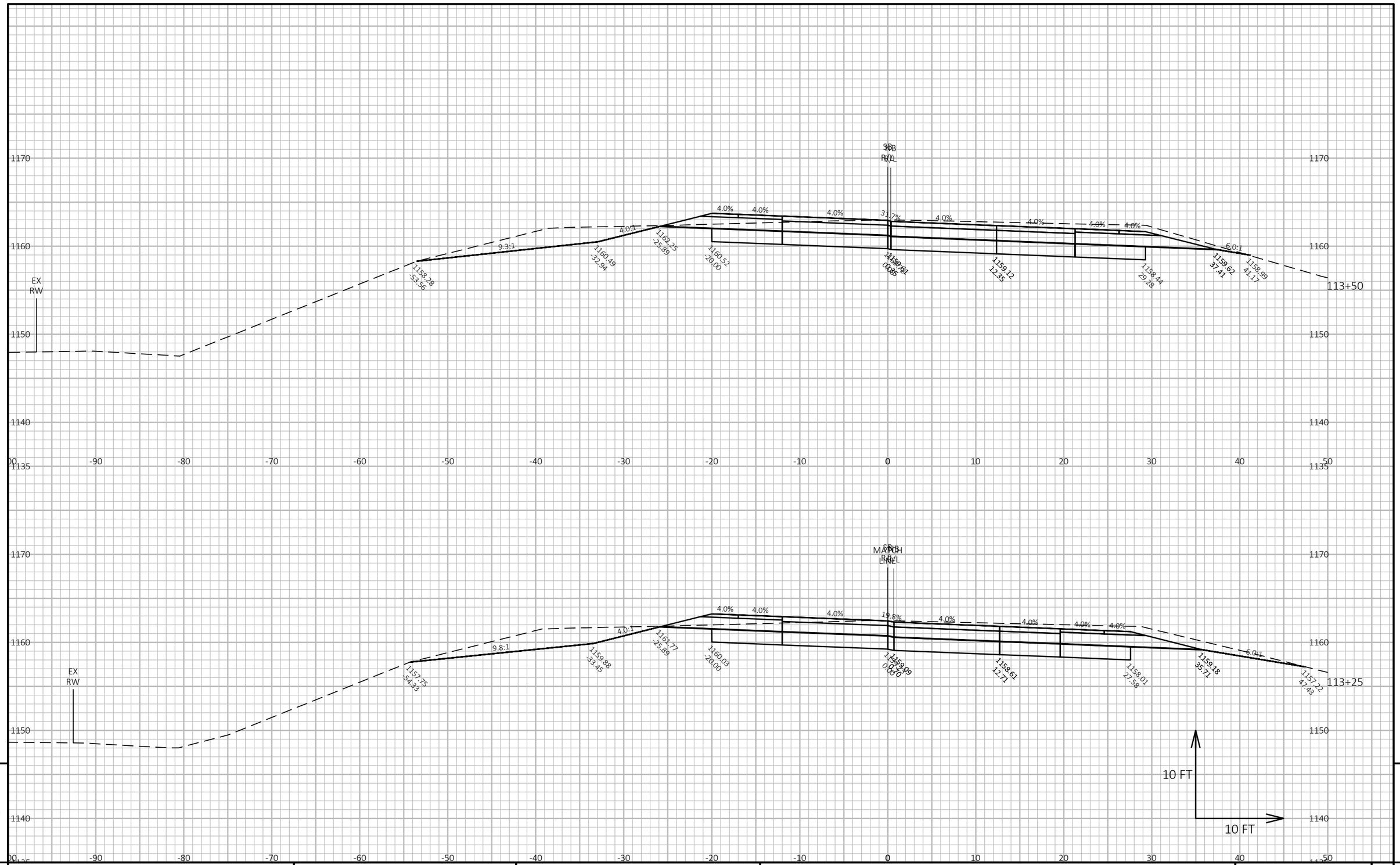
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 277	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB22

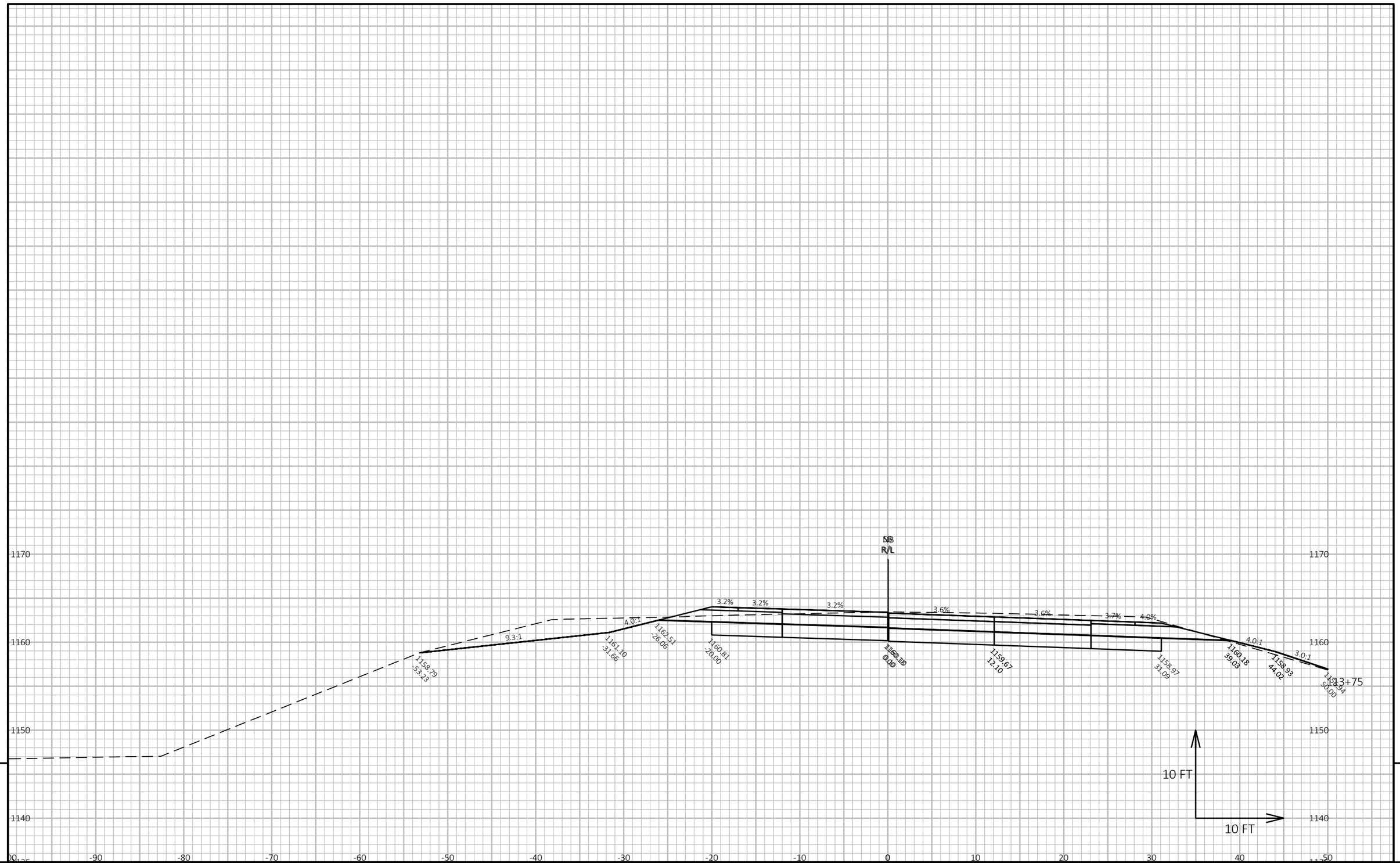
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 278	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB23

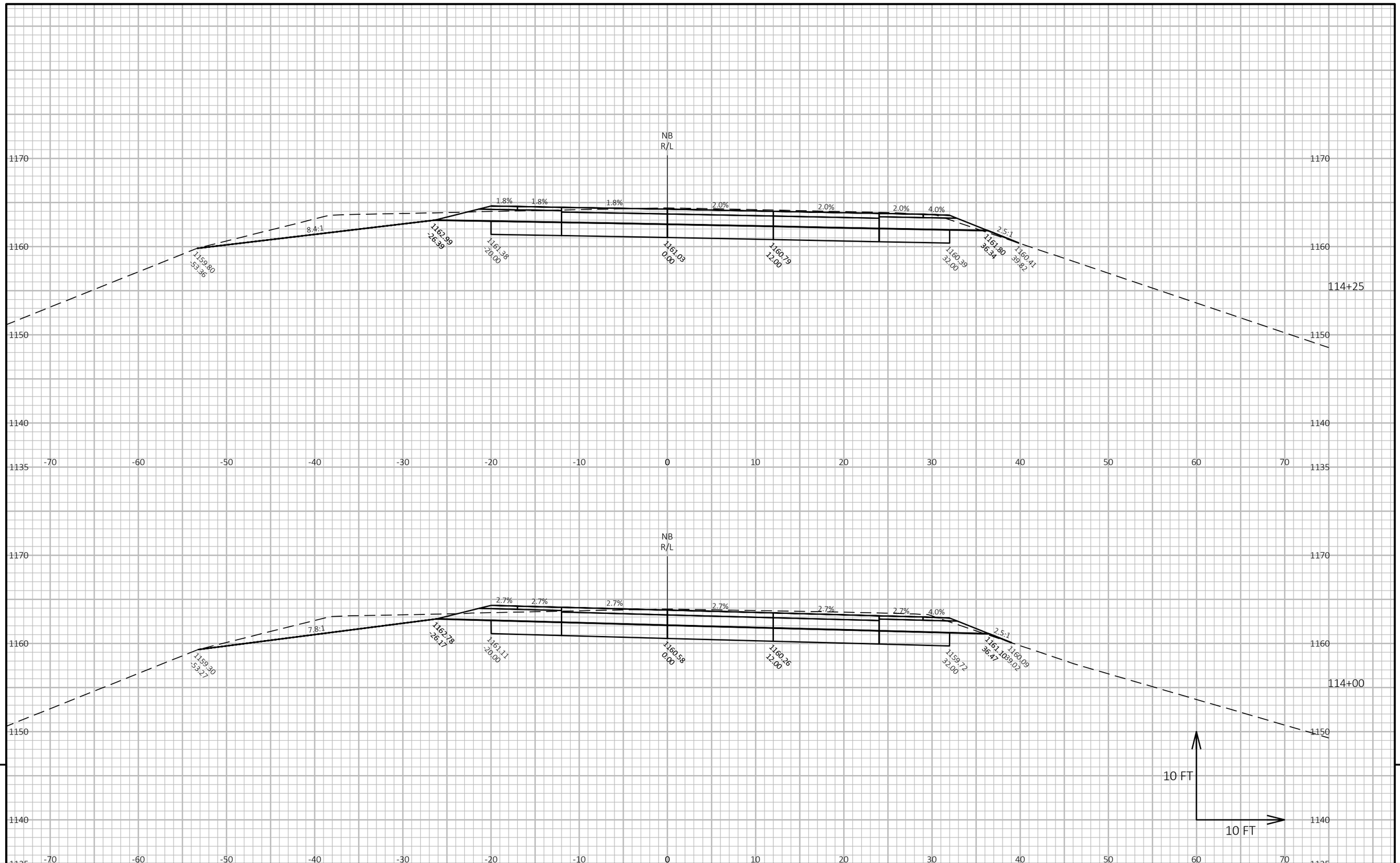
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 279	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB24

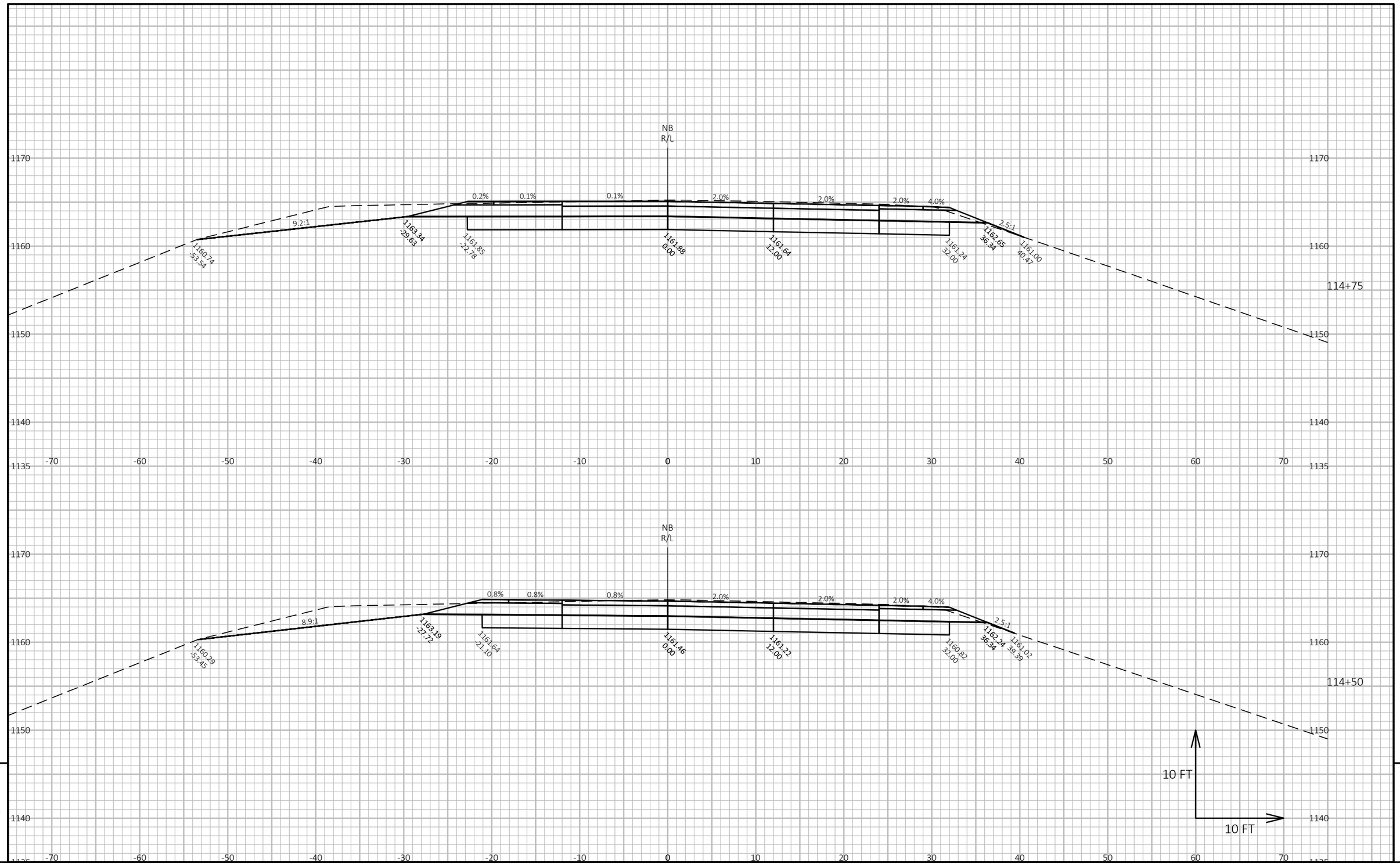
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 280	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB25

PLOT DATE : 3/10/2022 4:14 PM

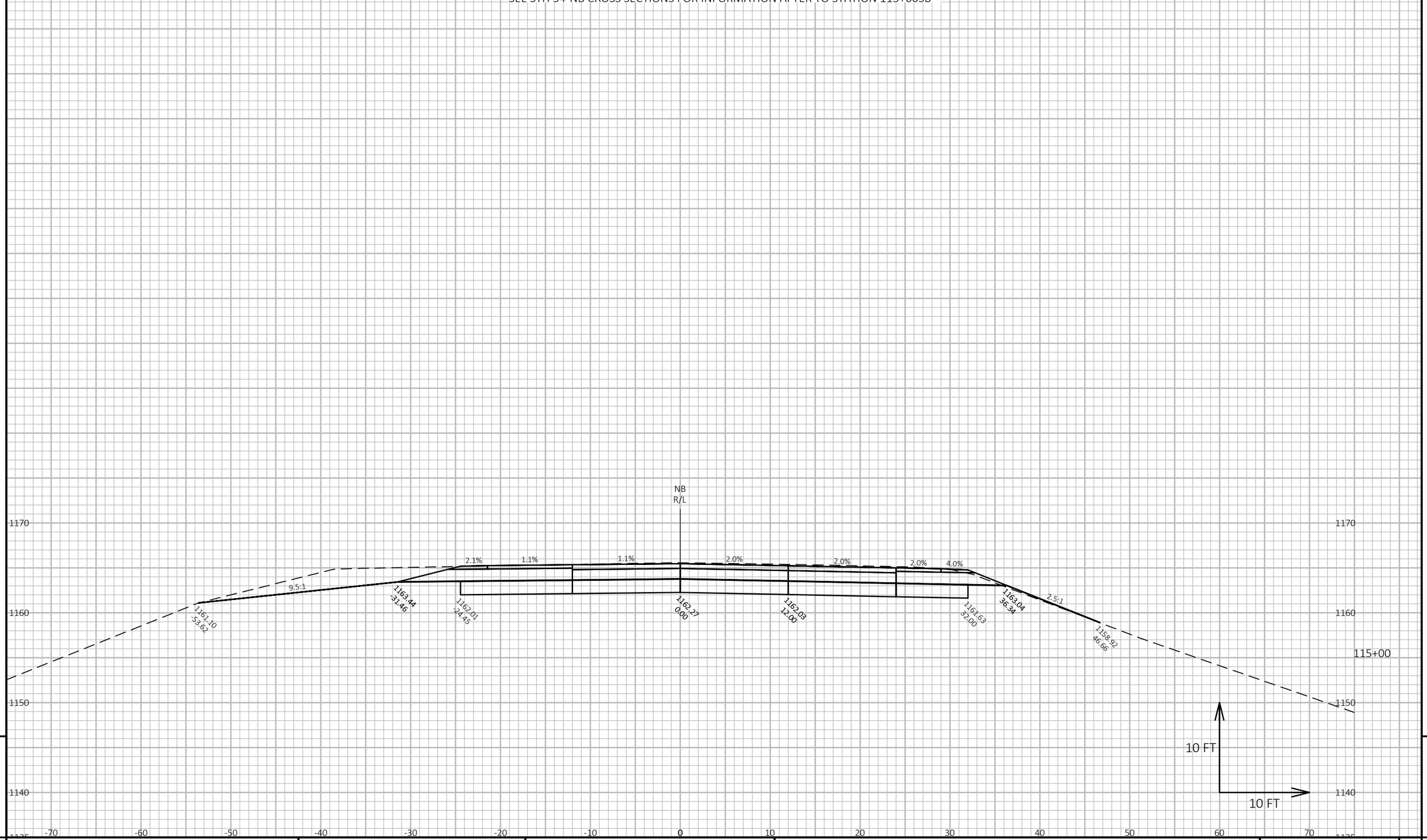
PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

SEE STH 34-NB CROSS SECTIONS FOR INFORMATION AFTER TO STATION 115+00SB



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: STH 34-SB	SHEET 281	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090102-34-SB_XS.DWG
LAYOUT NAME - SB26

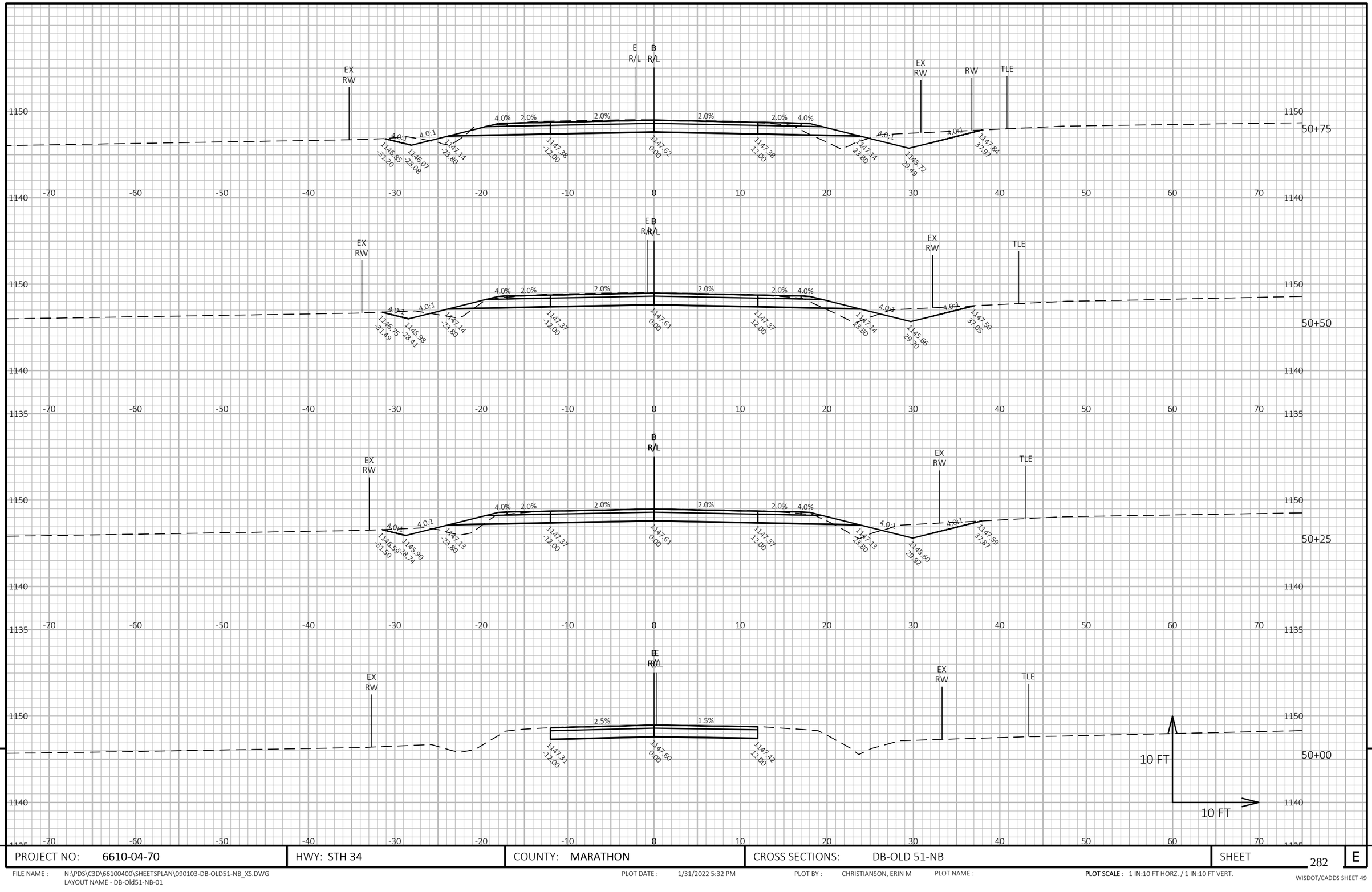
PLOT DATE : 3/10/2022 4:14 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

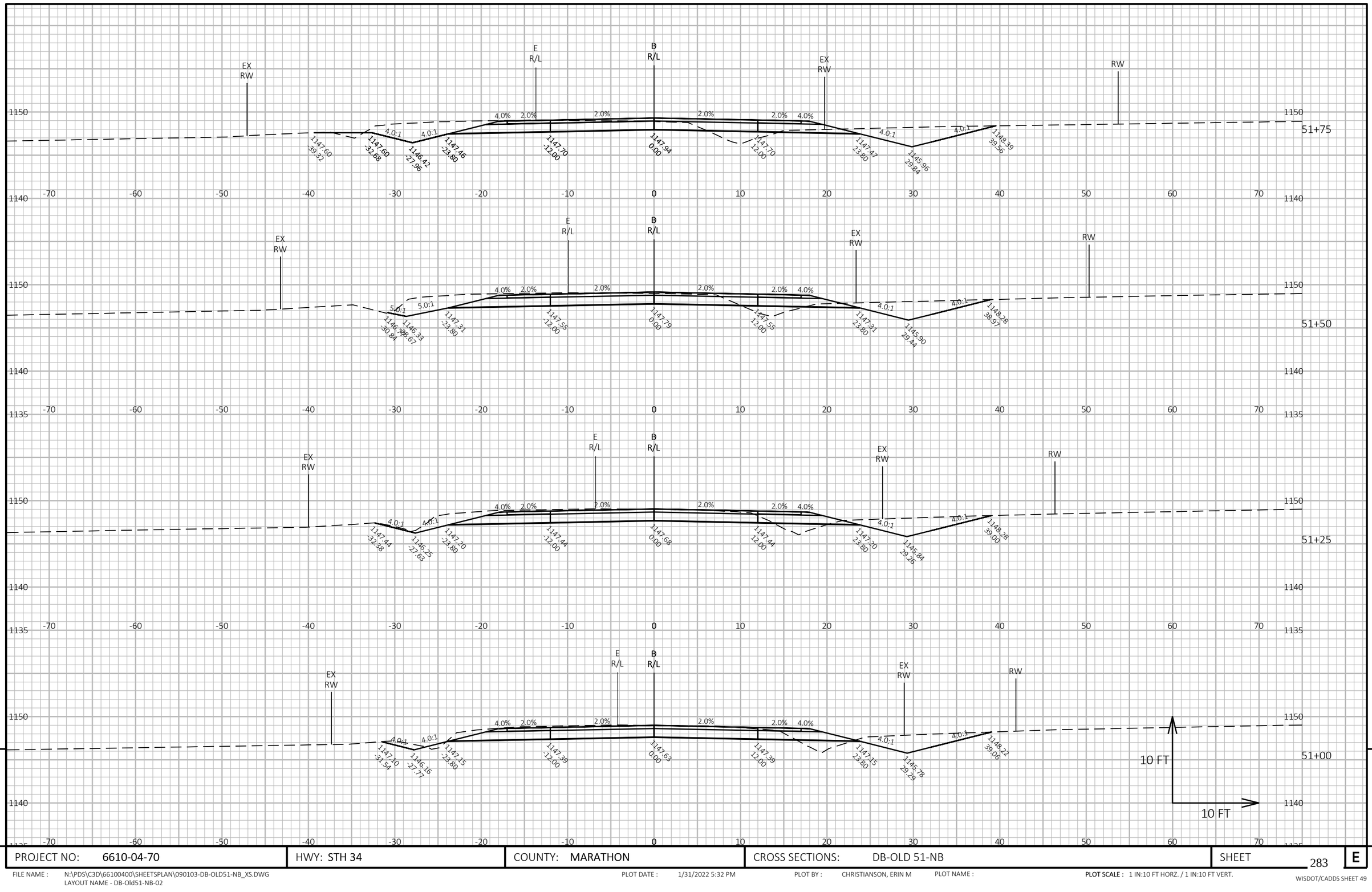


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 282 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-01

PLOT DATE : 1/31/2022 5:32 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 283	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-02

PLOT DATE : 1/31/2022 5:32 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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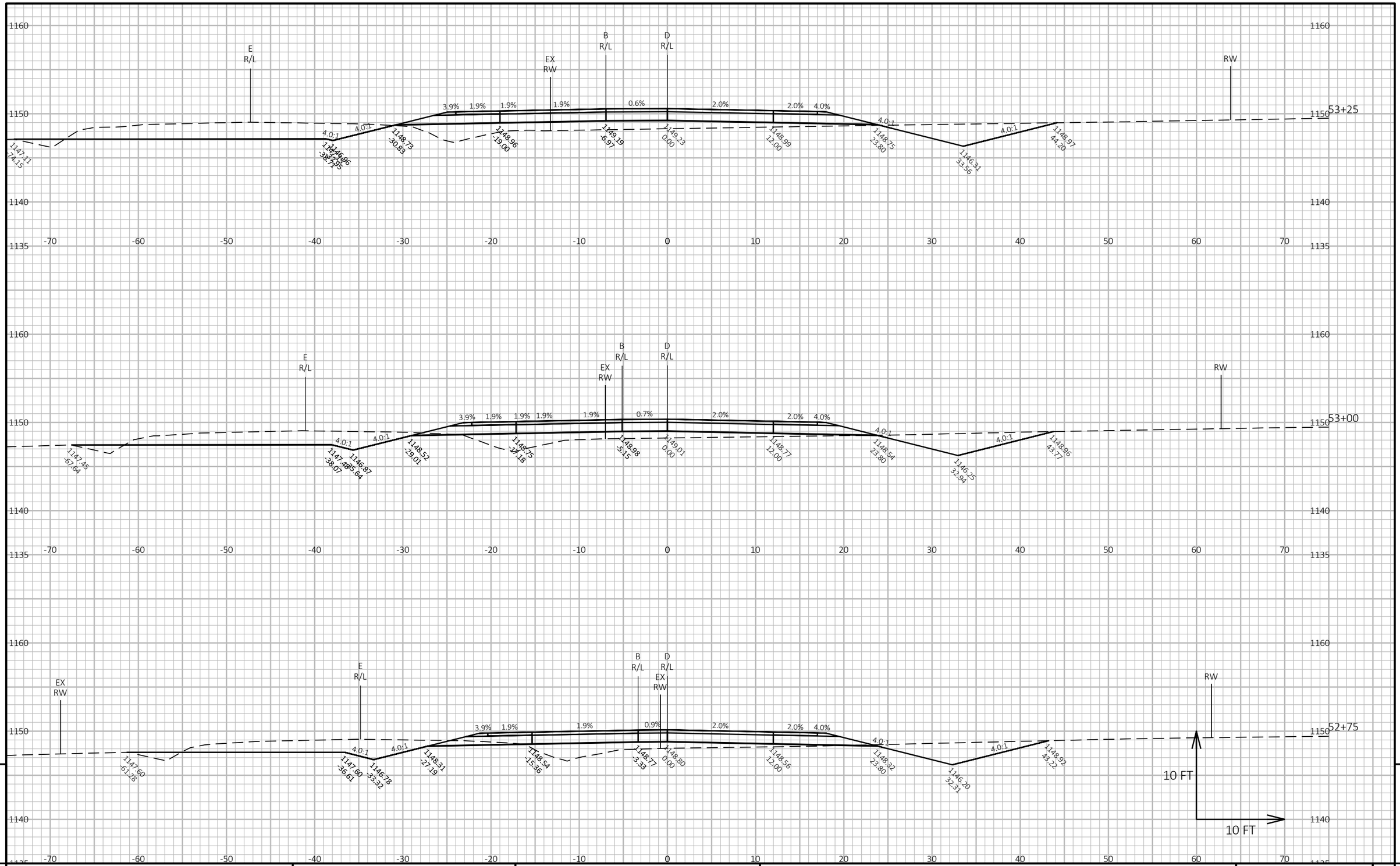
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 284	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-03

PLOT DATE : 1/31/2022 5:32 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



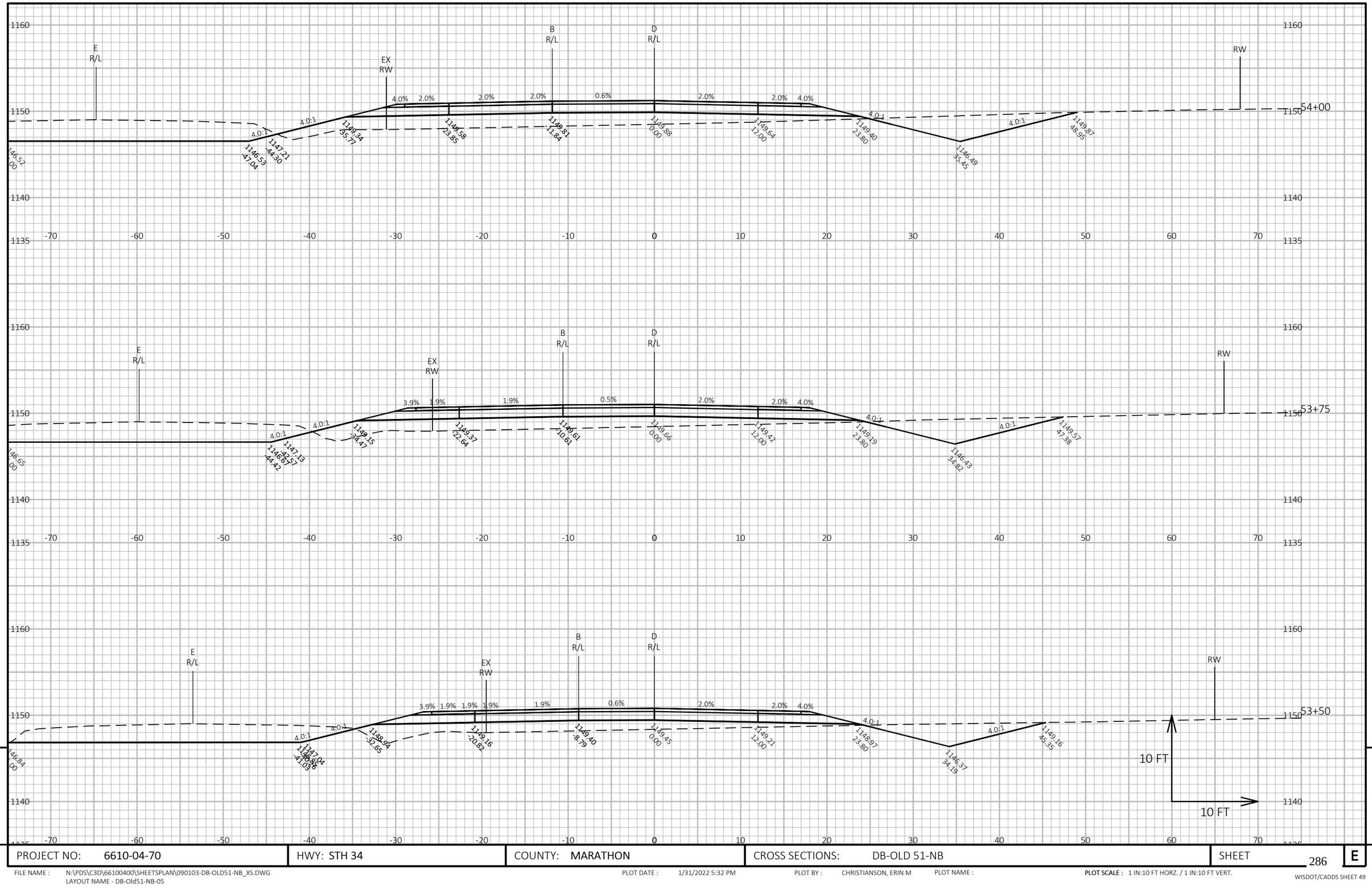
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 285	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-04

PLOT DATE : 1/31/2022 5:32 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 286	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-05

PLOT DATE : 1/31/2022 5:32 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

9

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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 287	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-06

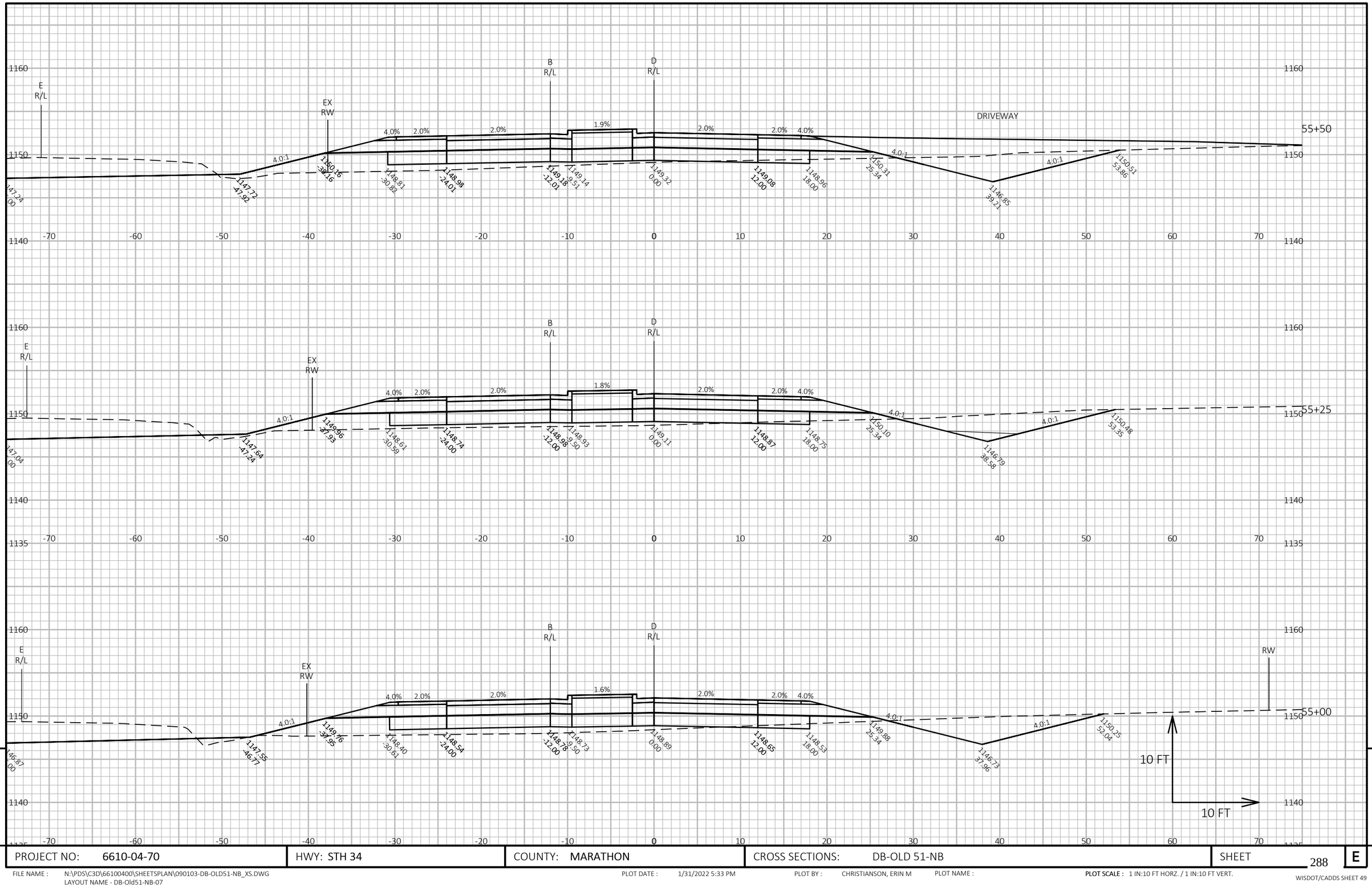
PLOT DATE : 1/31/2022 5:33 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



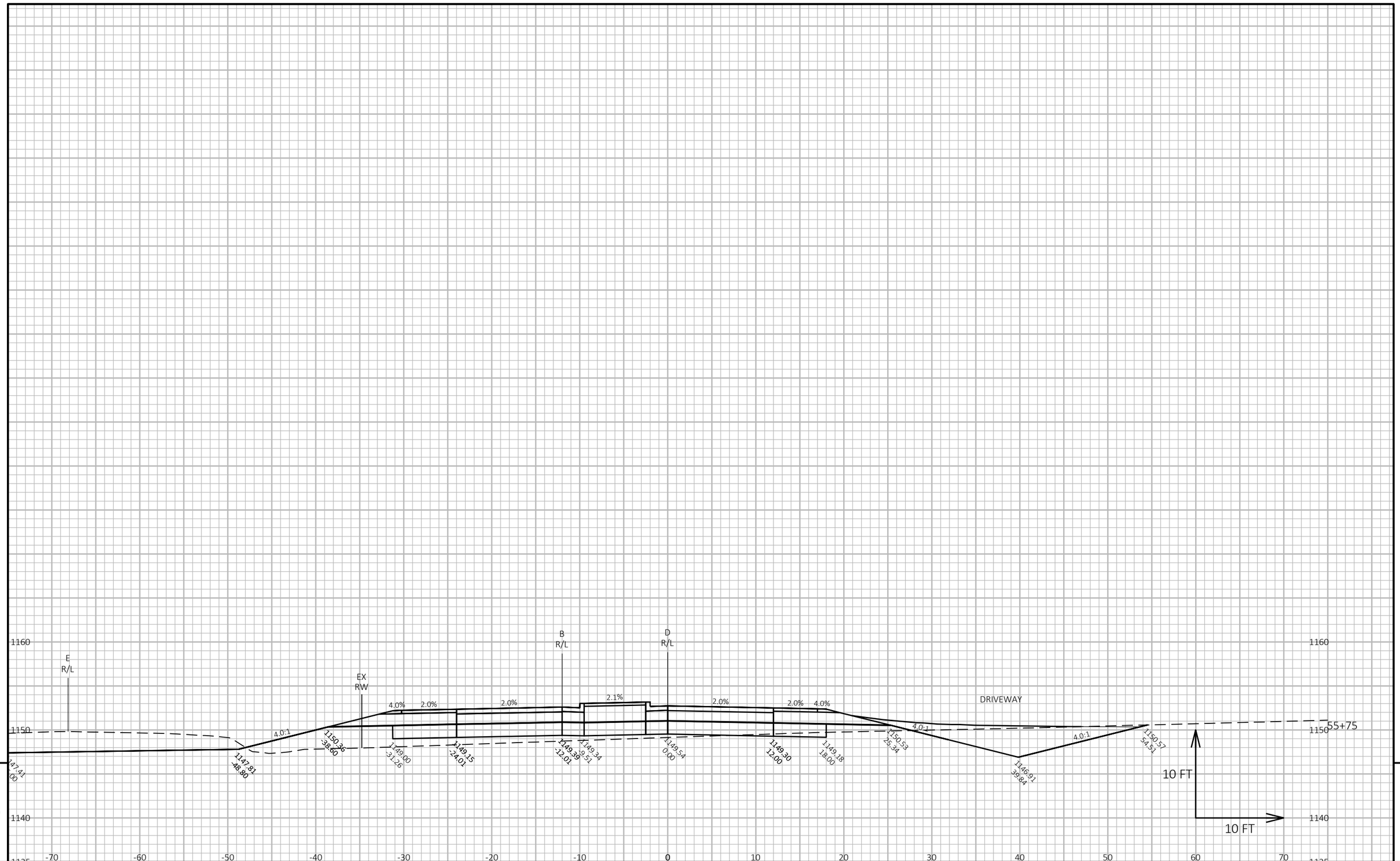
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 288	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-07

PLOT DATE : 1/31/2022 5:33 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

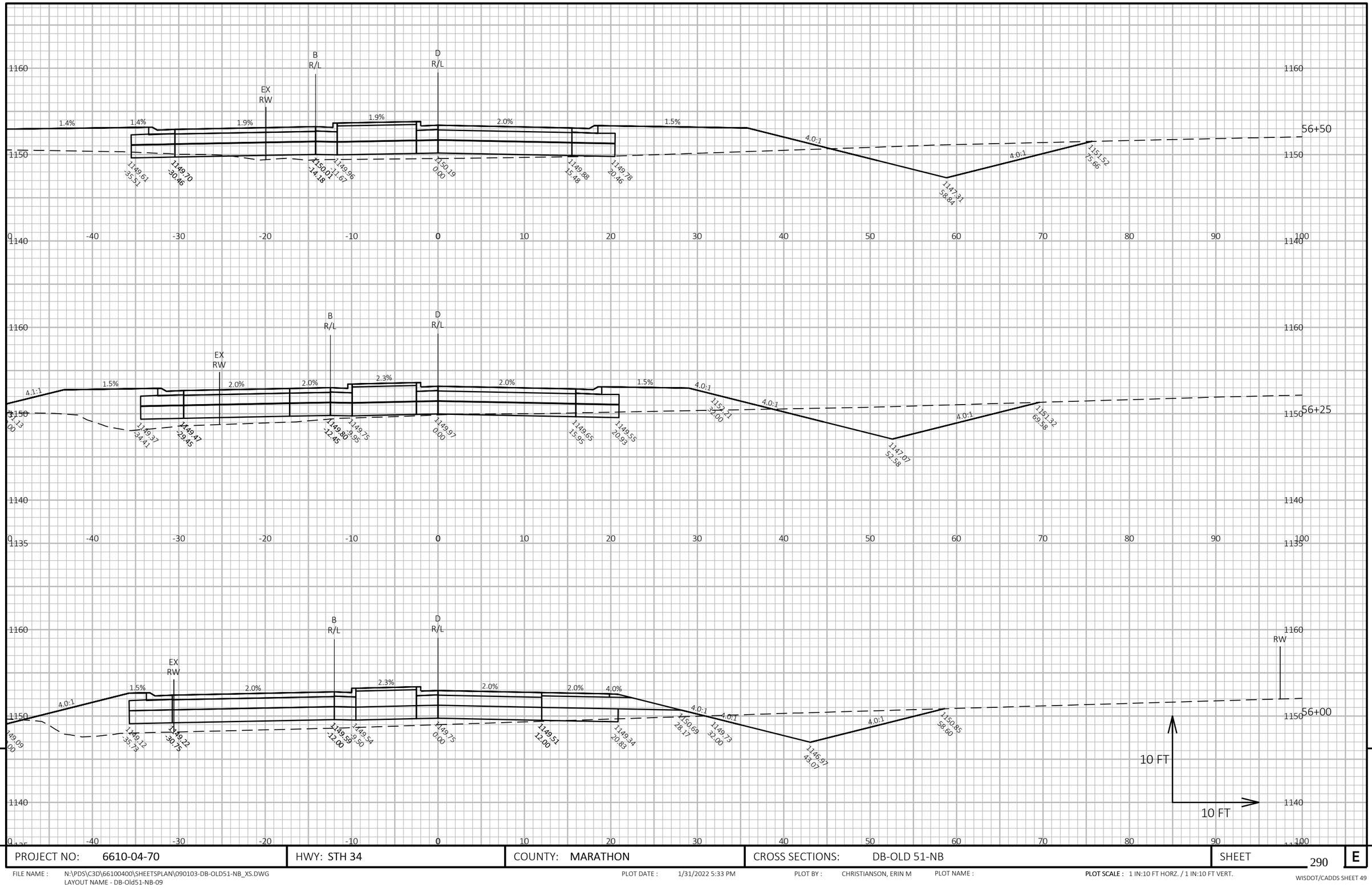
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 289	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-08

PLOT DATE : 1/31/2022 5:33 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 290	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-09

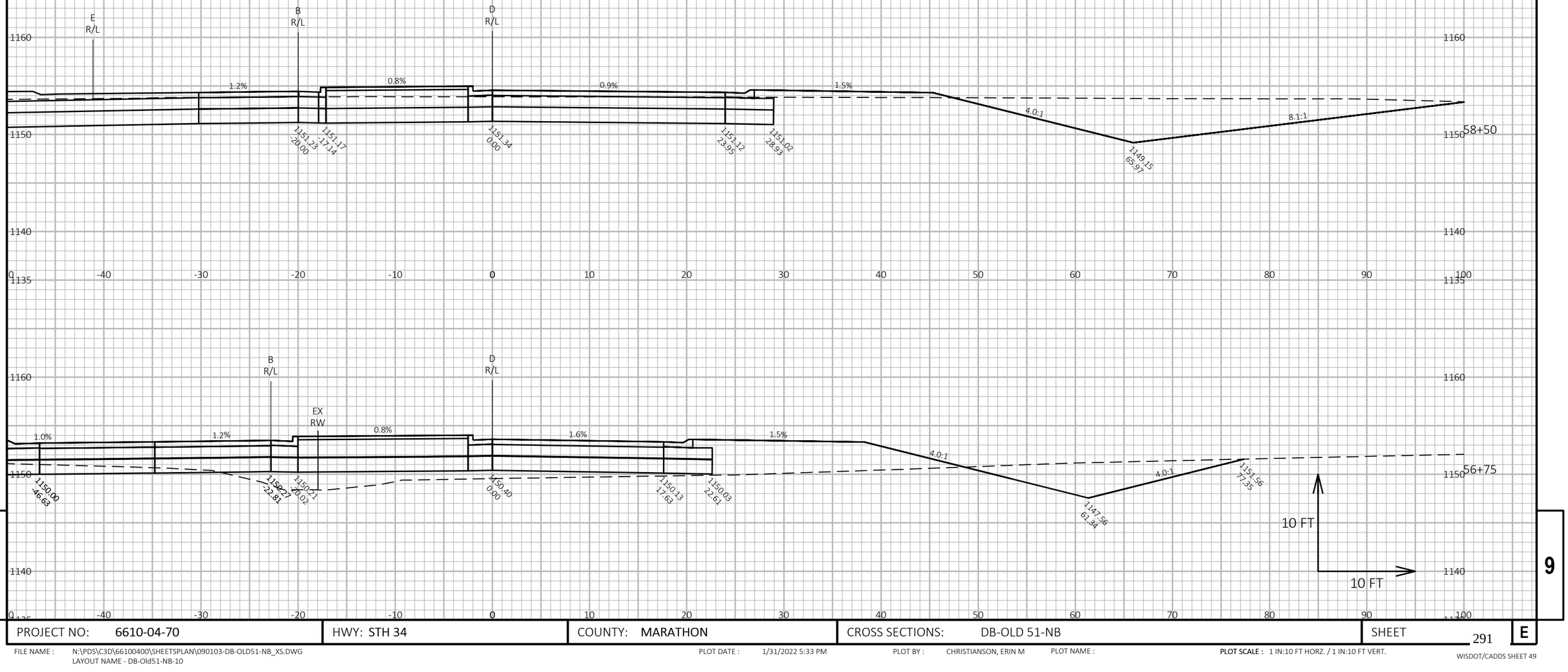
PLOT DATE : 1/31/2022 5:33 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

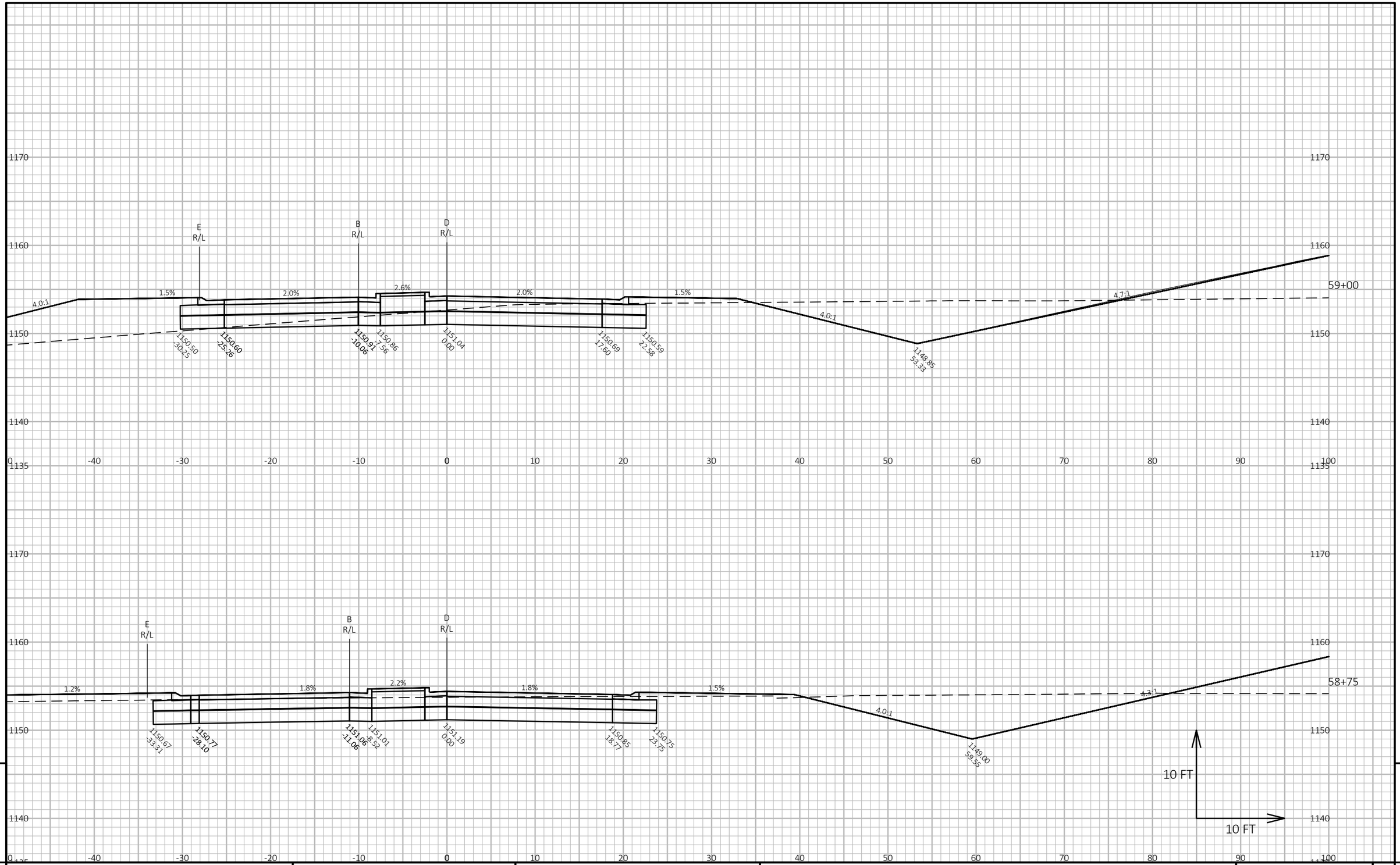
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 291	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-10

PLOT DATE : 1/31/2022 5:33 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 292	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-11

PLOT DATE : 1/31/2022 5:33 PM

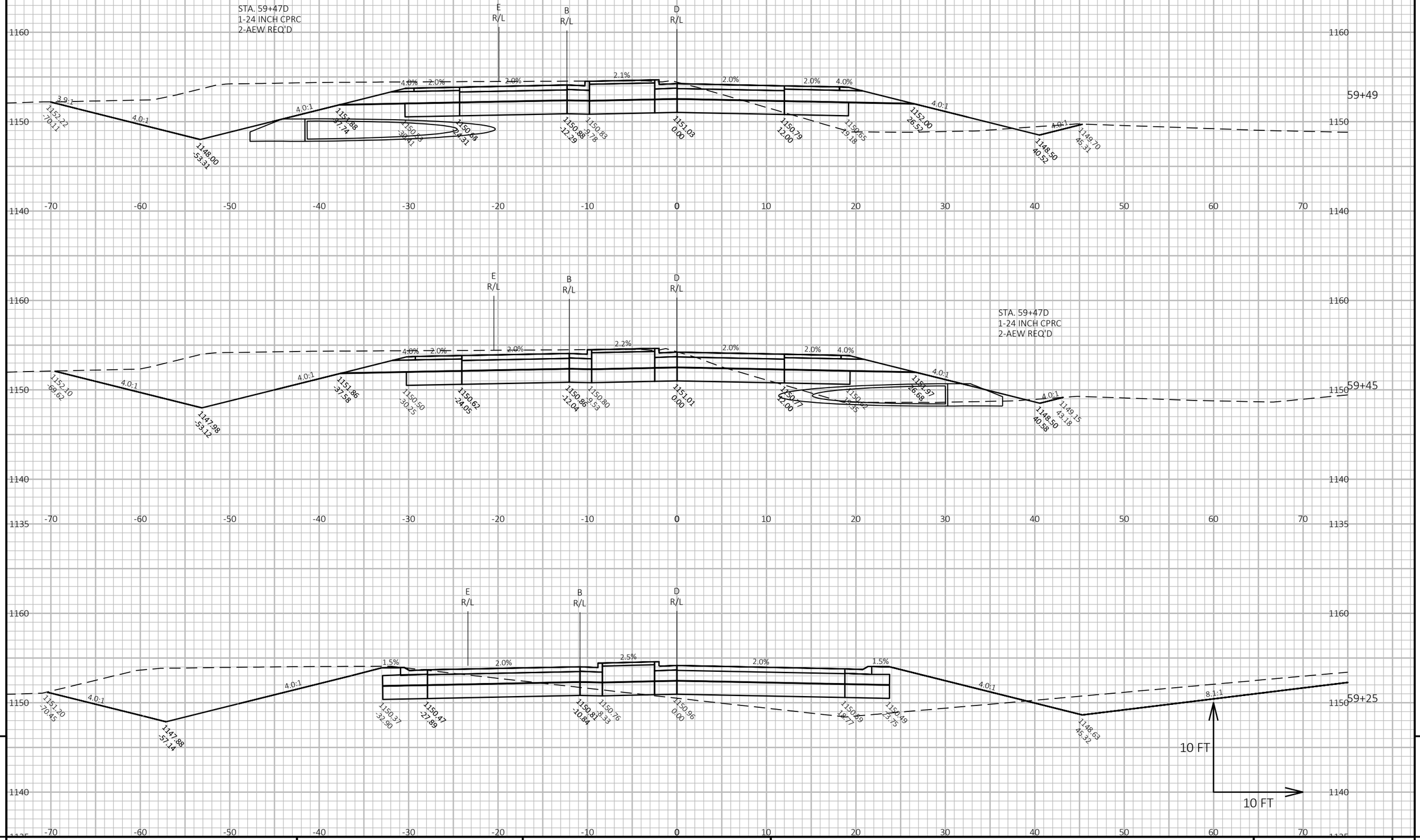
PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA. 59+47D
1-24 INCH CPRC
2-AEW REQ'D



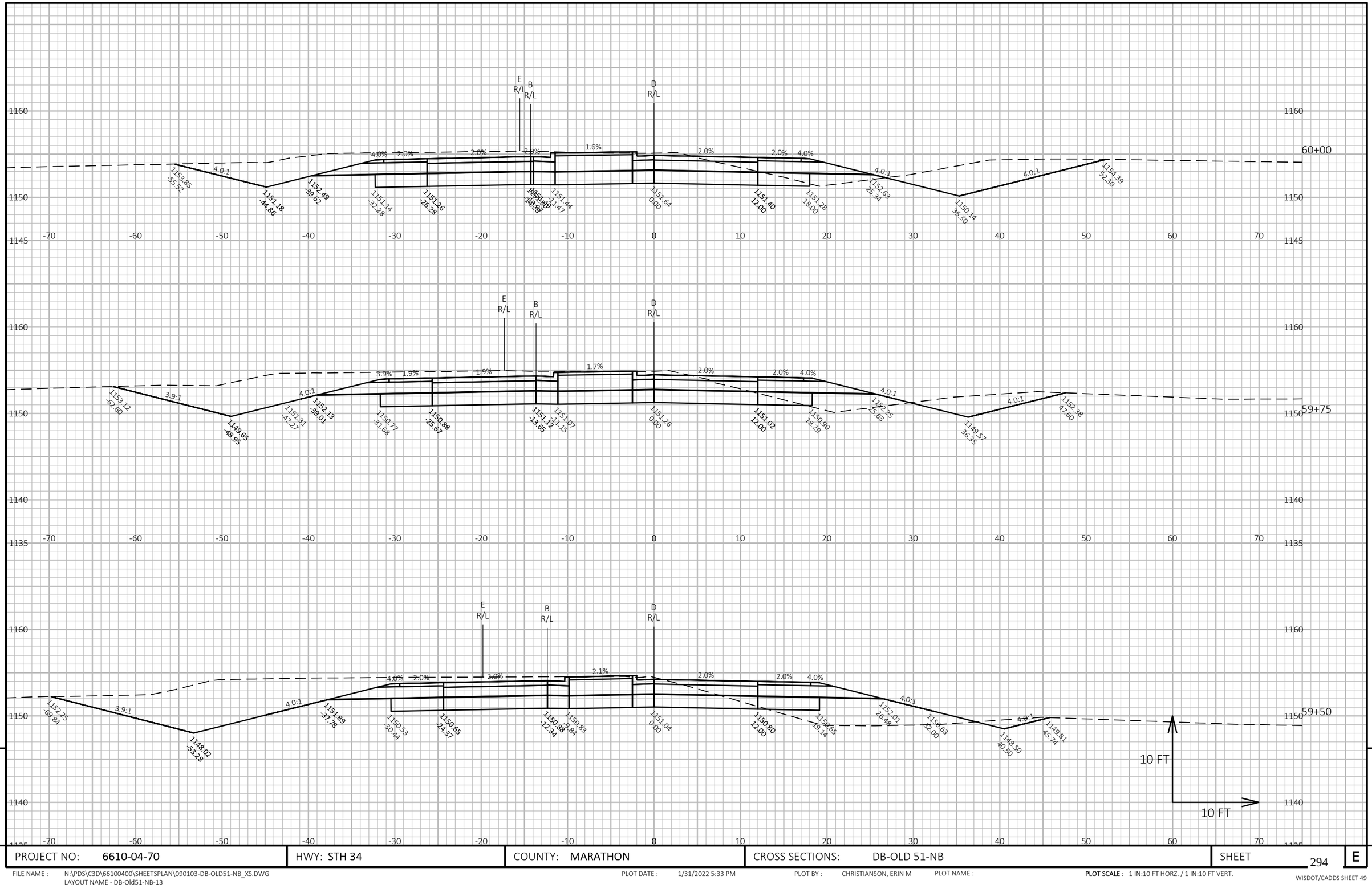
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 293 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-12

PLOT DATE : 1/31/2022 5:33 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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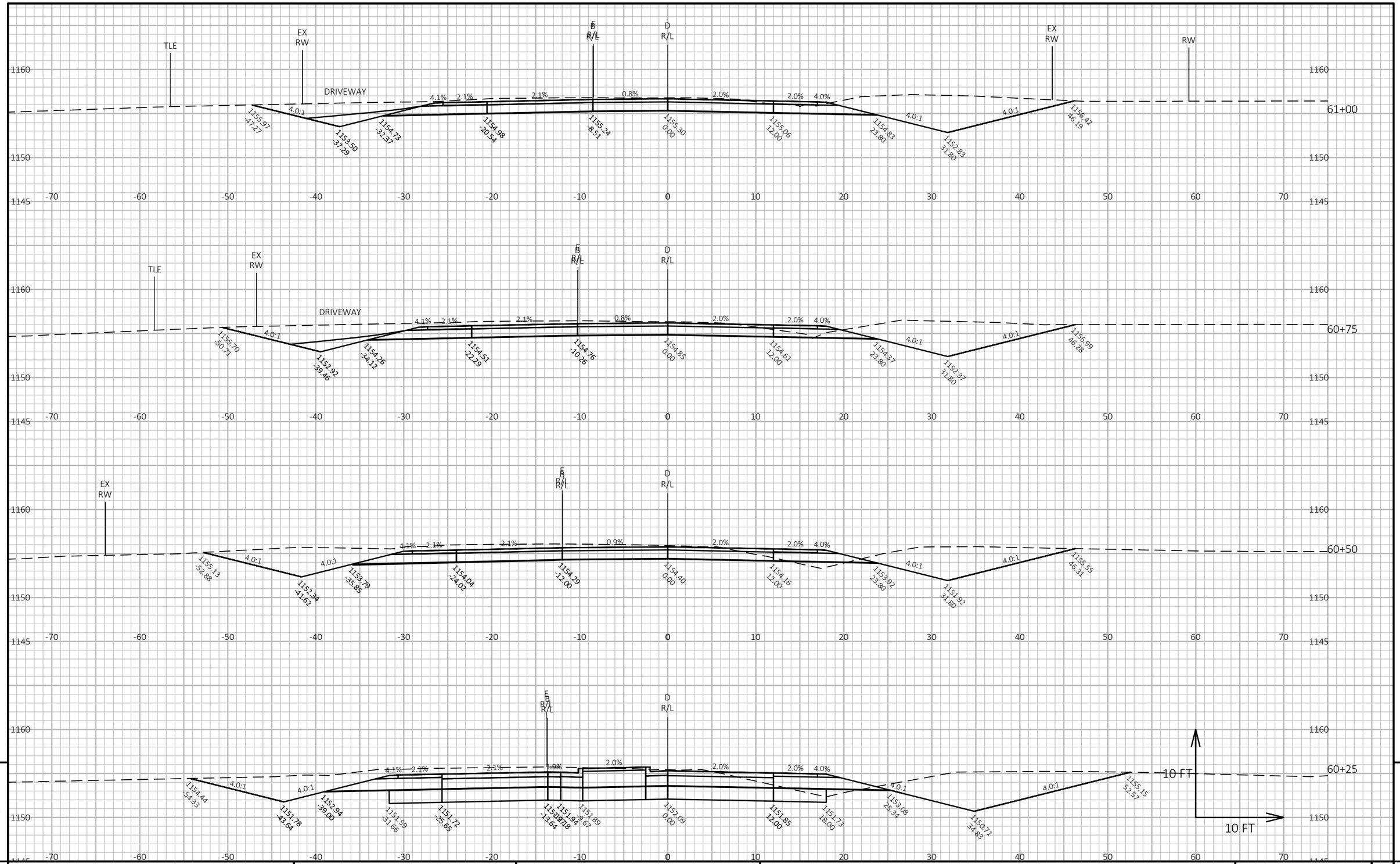
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 294	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-13

PLOT DATE : 1/31/2022 5:33 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

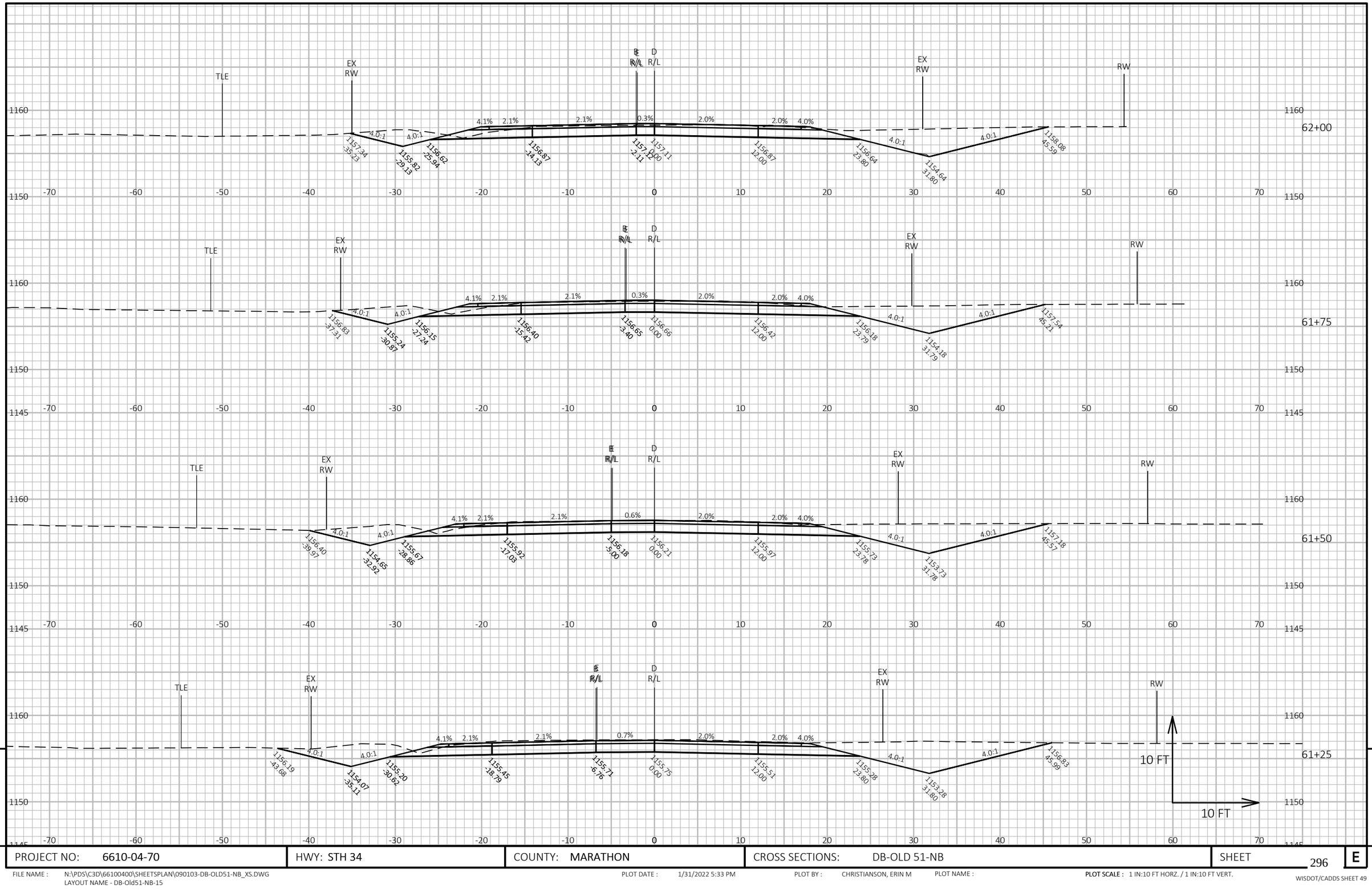


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 295 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-14

PLOT DATE : 1/31/2022 5:33 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



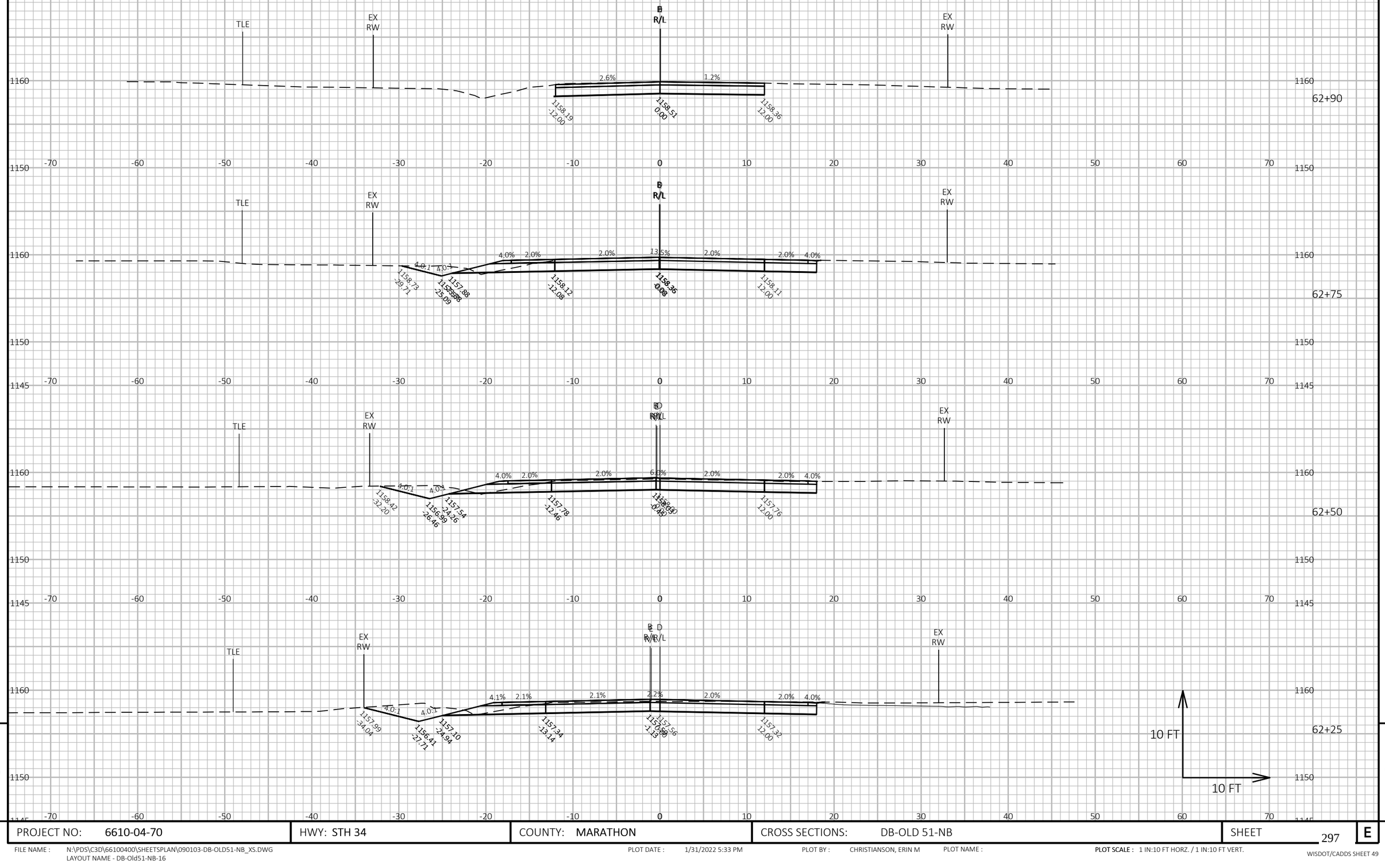
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 296	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-15

PLOT DATE : 1/31/2022 5:33 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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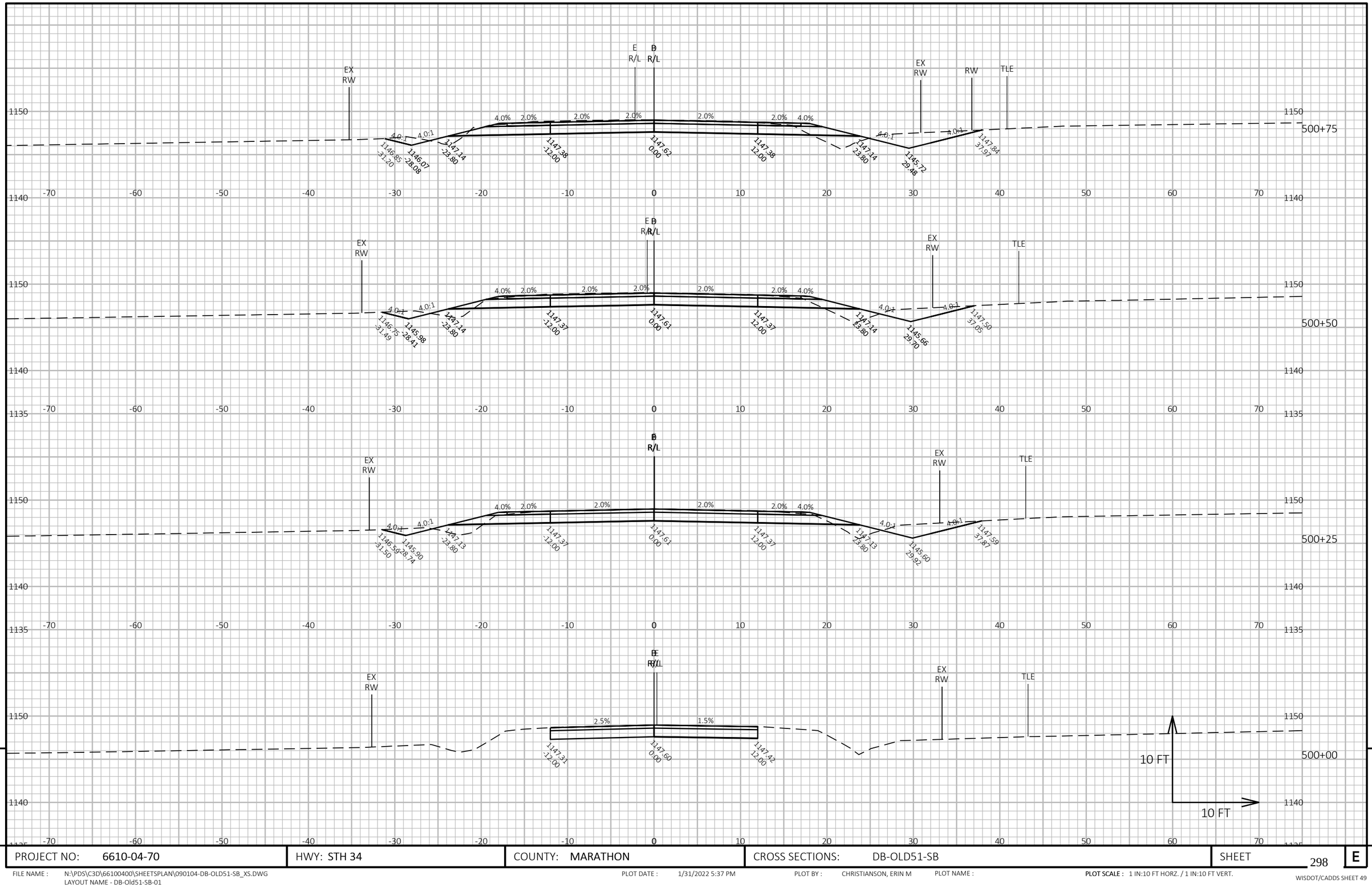
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD 51-NB	SHEET 297	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090103-DB-OLD51-NB_XS.DWG
LAYOUT NAME - DB-Old51-NB-16

PLOT DATE : 1/31/2022 5:33 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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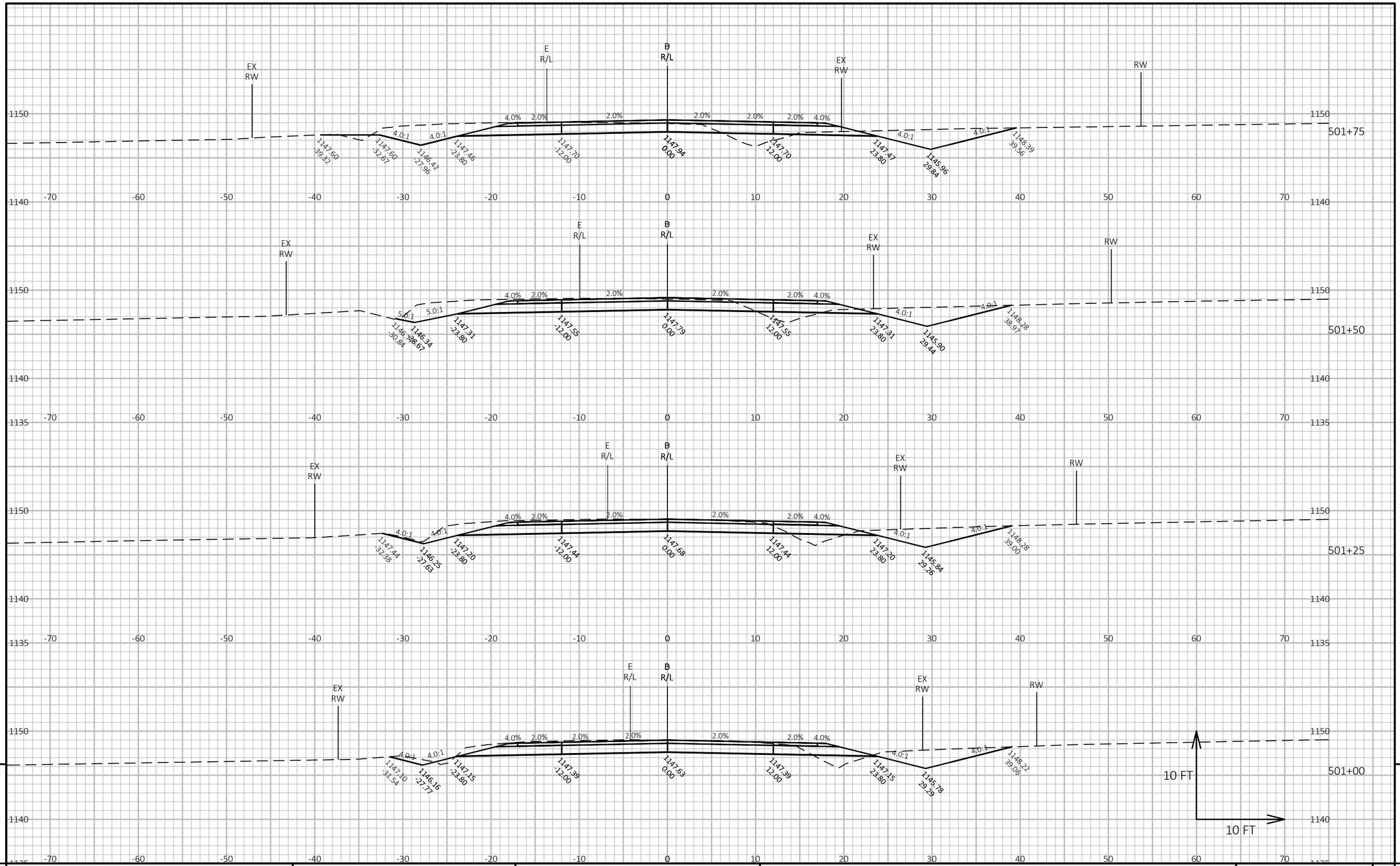
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 298	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-01

PLOT DATE : 1/31/2022 5:37 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 299	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-02

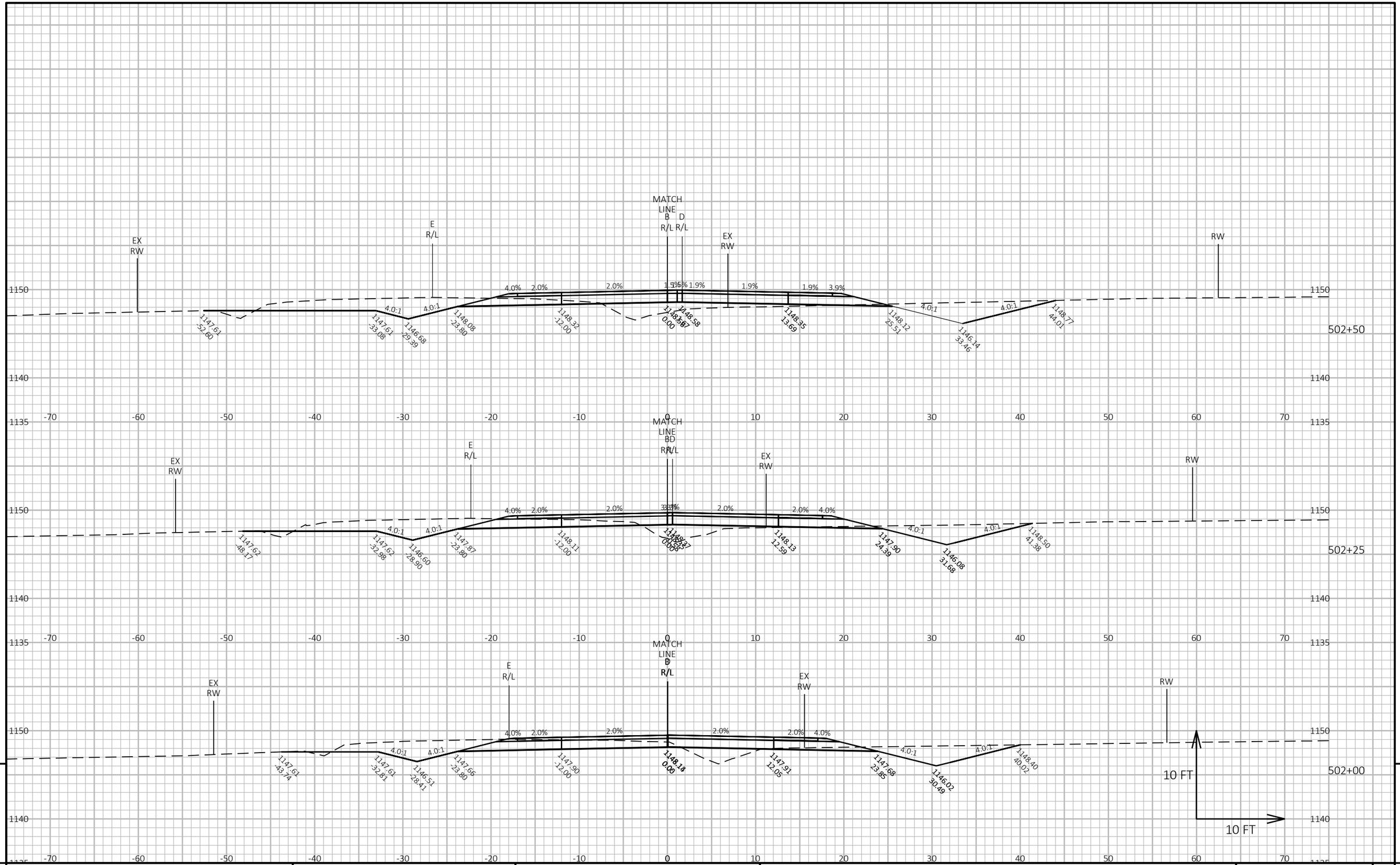
PLOT DATE : 1/31/2022 5:37 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 300	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-03

PLOT DATE : 1/31/2022 5:37 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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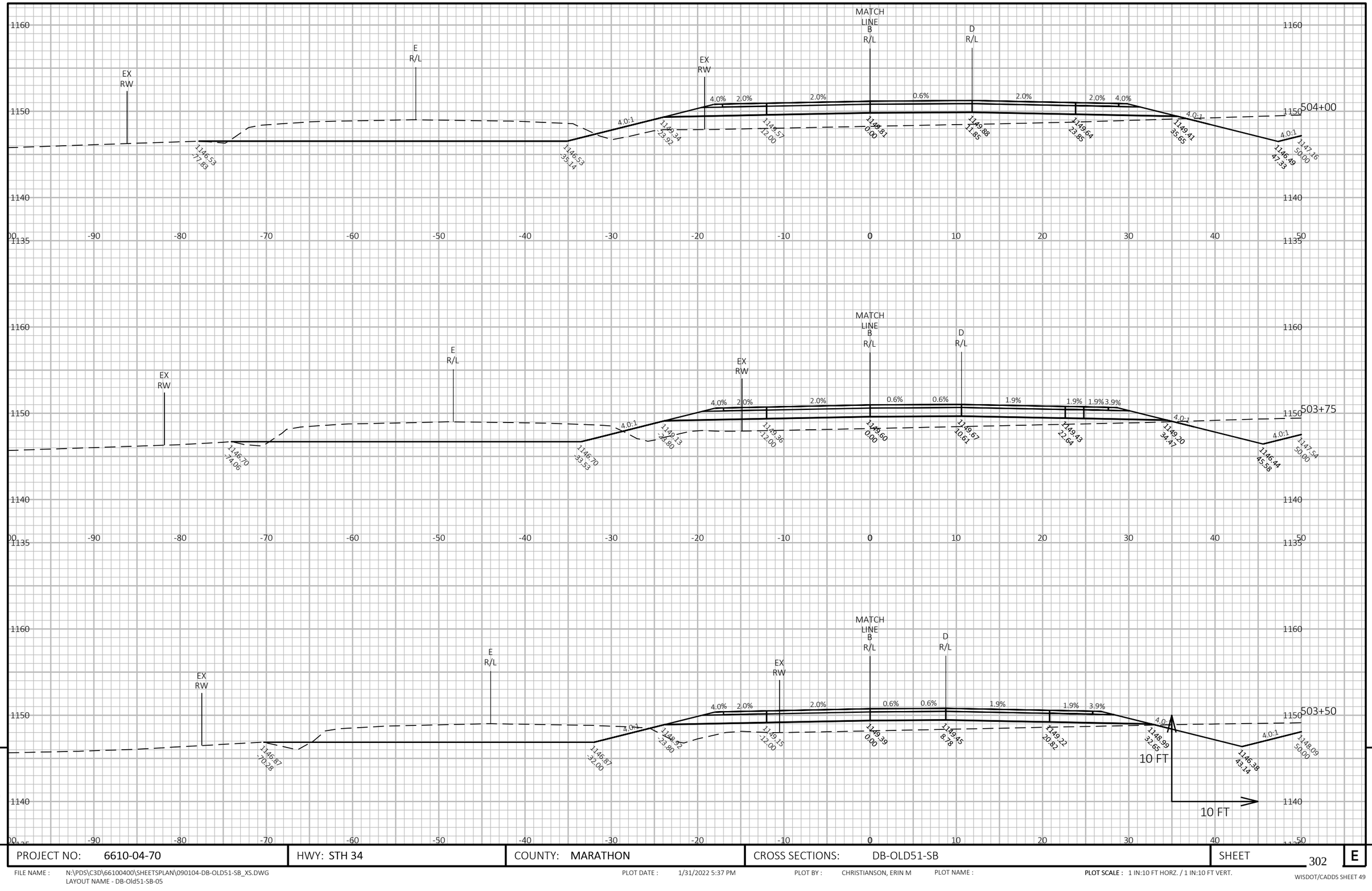
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 301	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-04

PLOT DATE : 1/31/2022 5:37 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 302	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-05

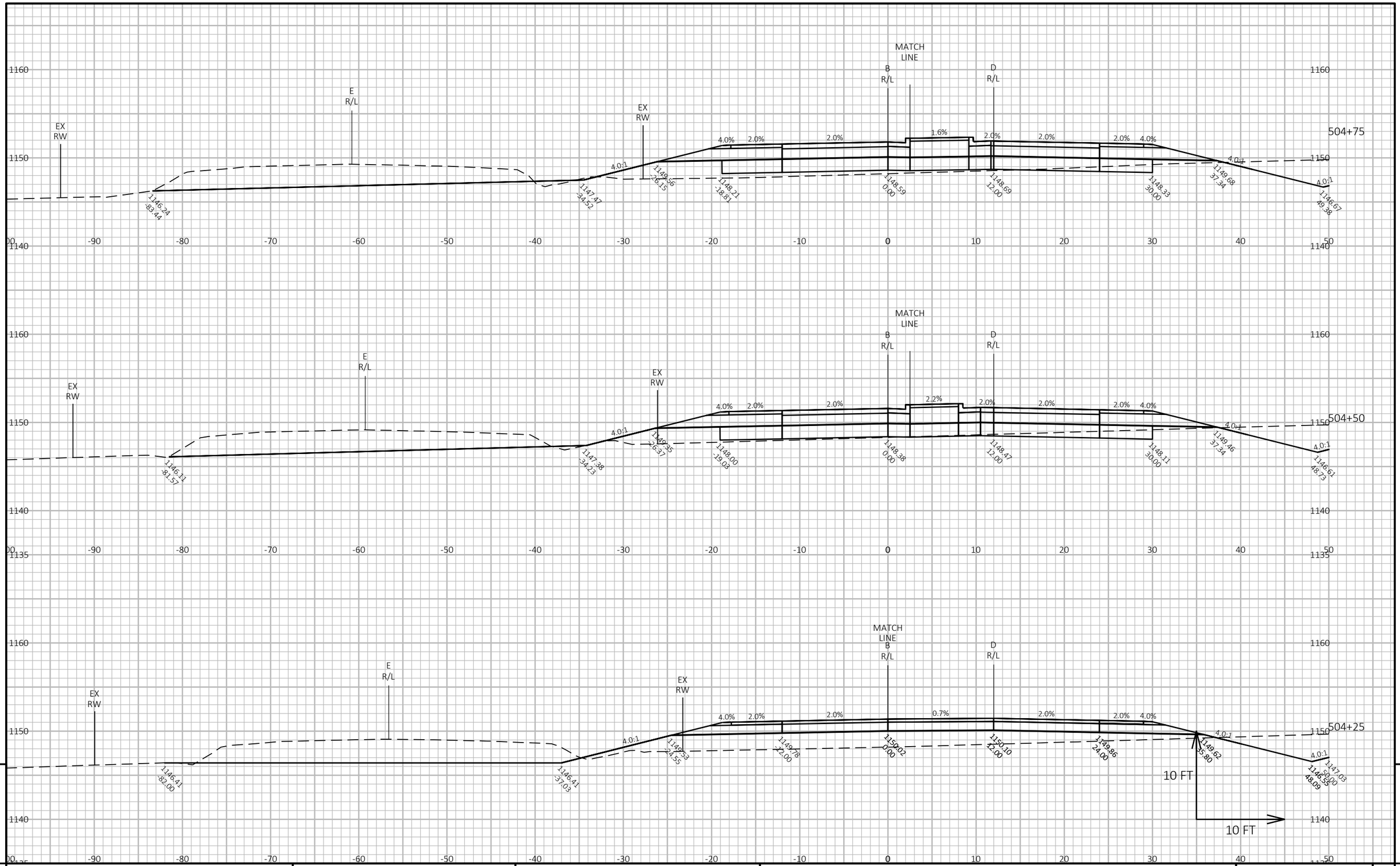
PLOT DATE : 1/31/2022 5:37 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



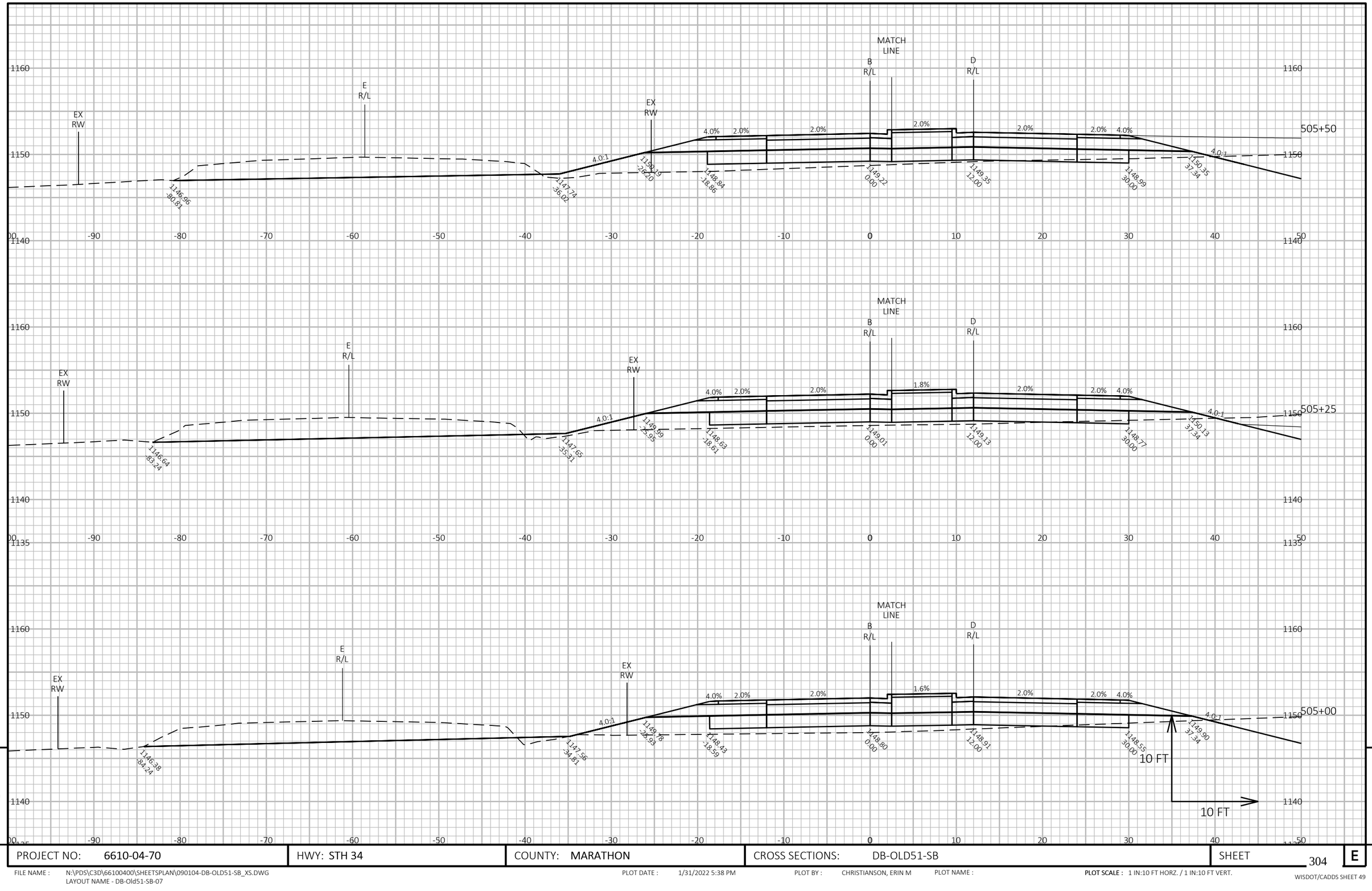
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 303	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-06

PLOT DATE : 1/31/2022 5:37 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



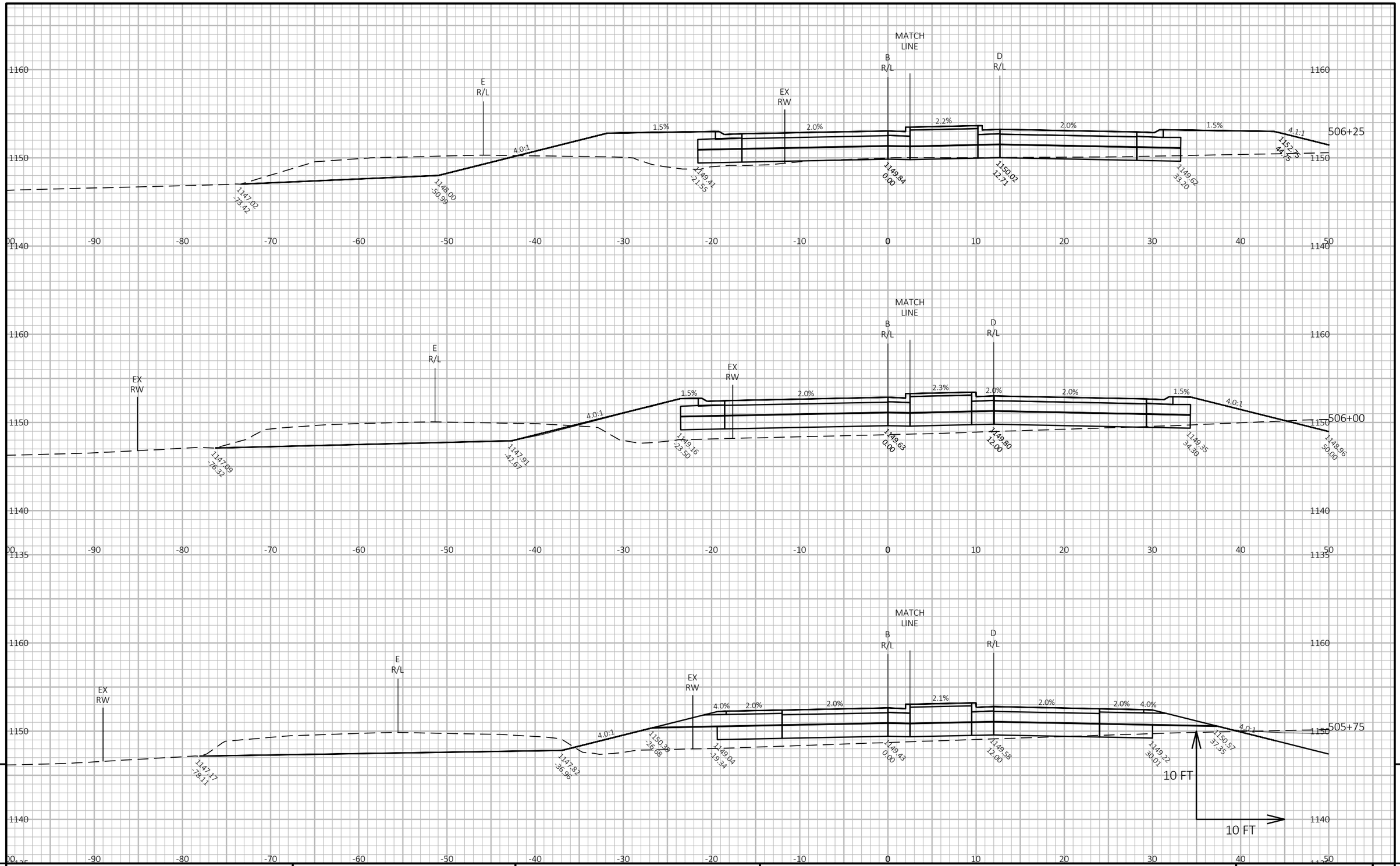
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 304 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-07

PLOT DATE : 1/31/2022 5:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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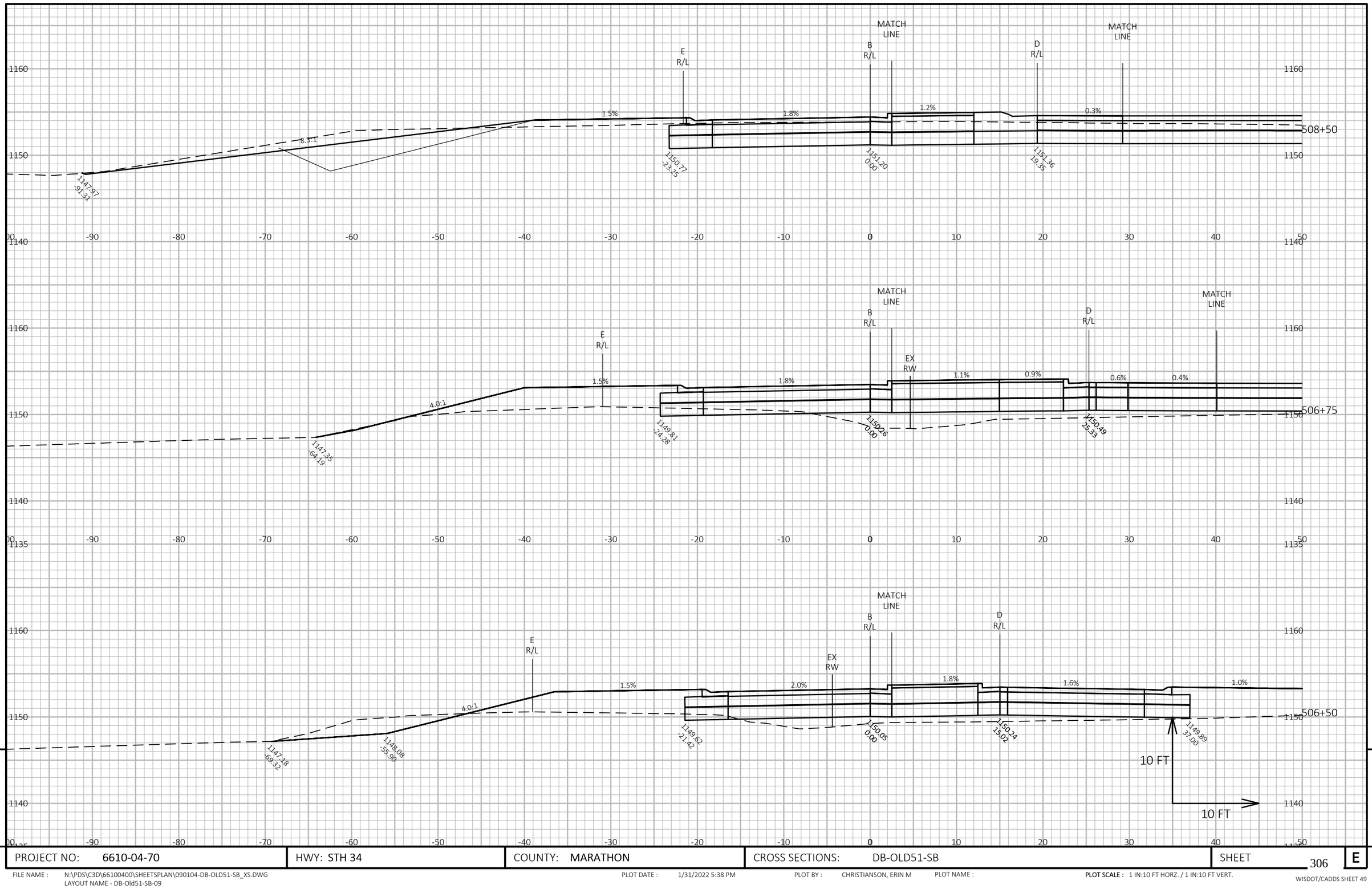
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 305	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-08

PLOT DATE : 1/31/2022 5:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

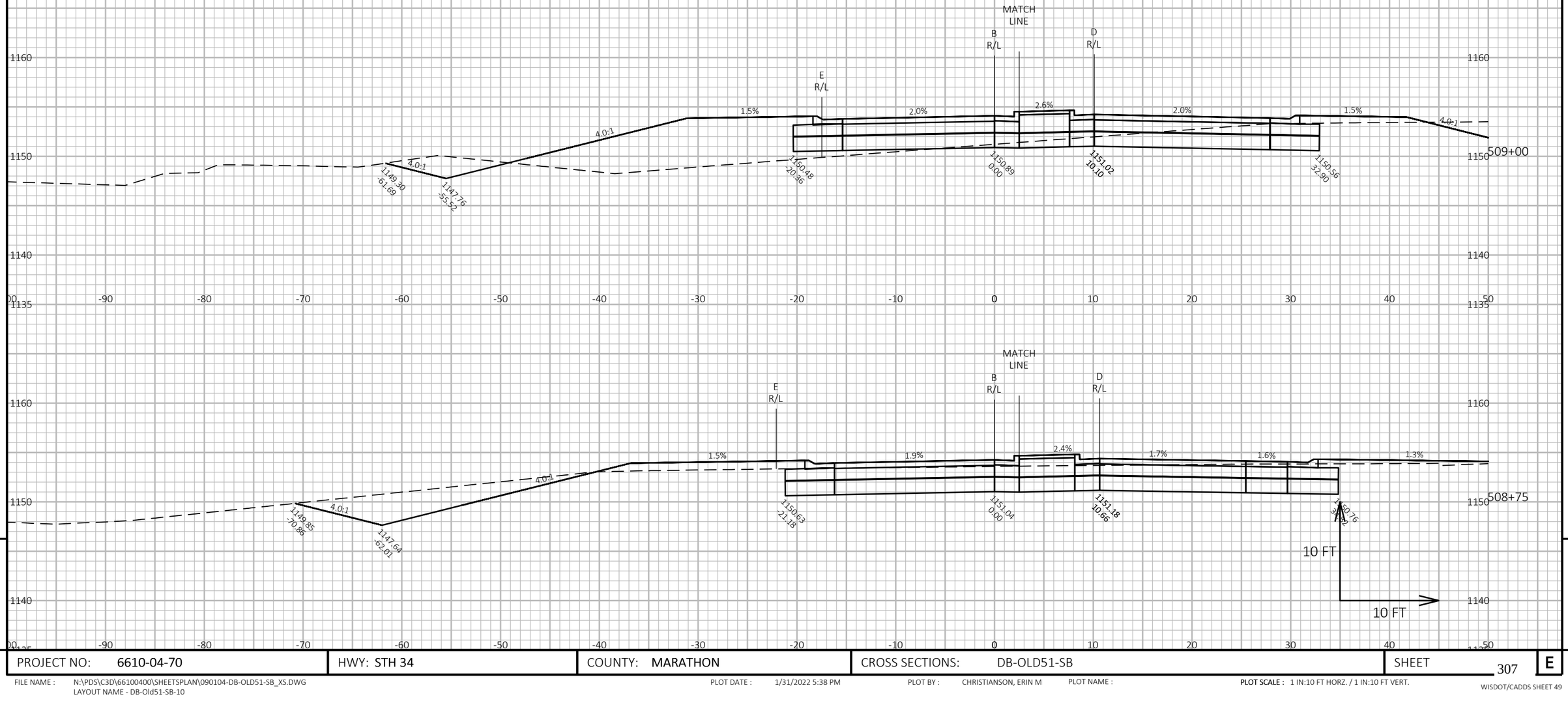


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 306	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-09

PLOT DATE : 1/31/2022 5:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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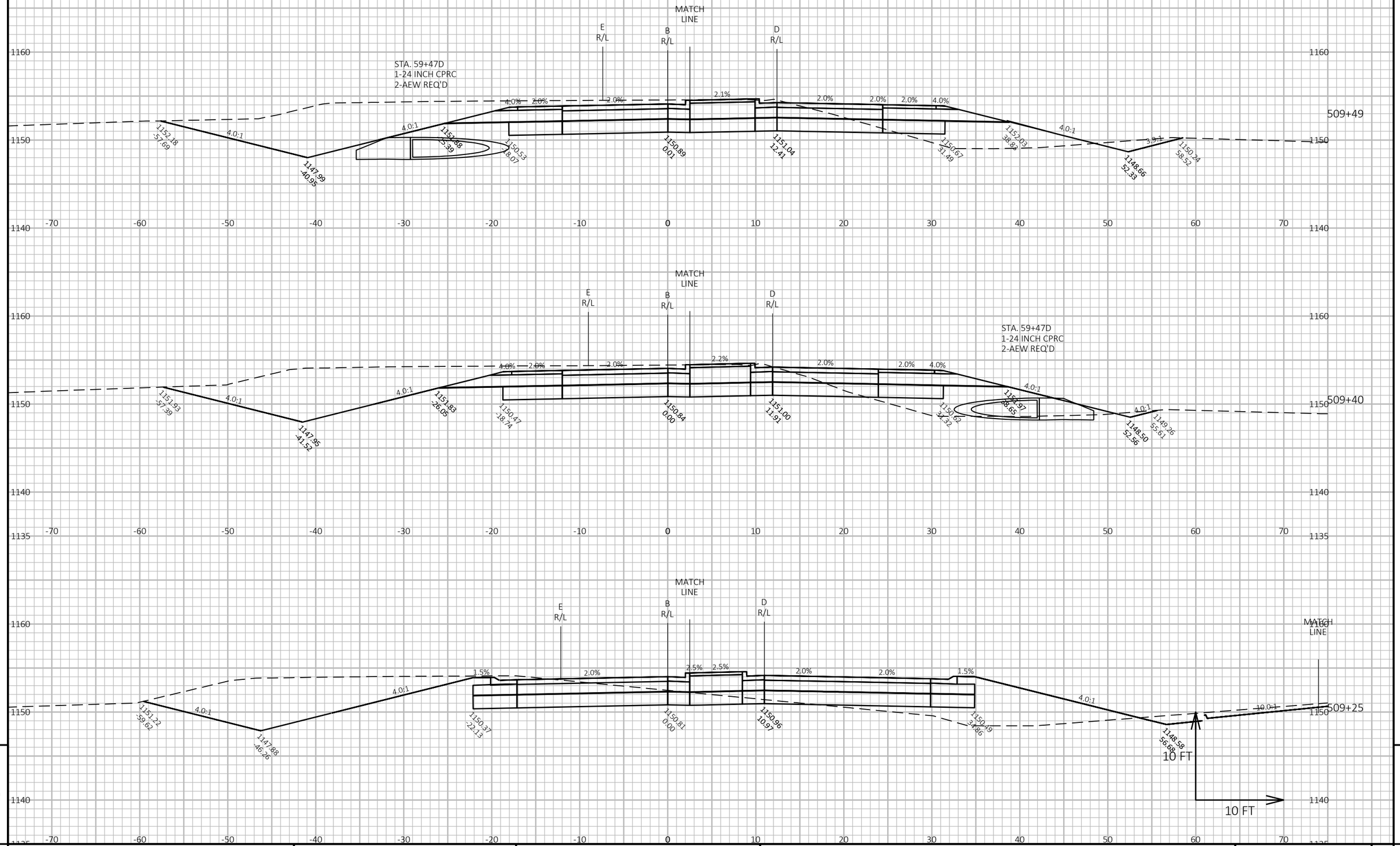
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 307	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-10

PLOT DATE : 1/31/2022 5:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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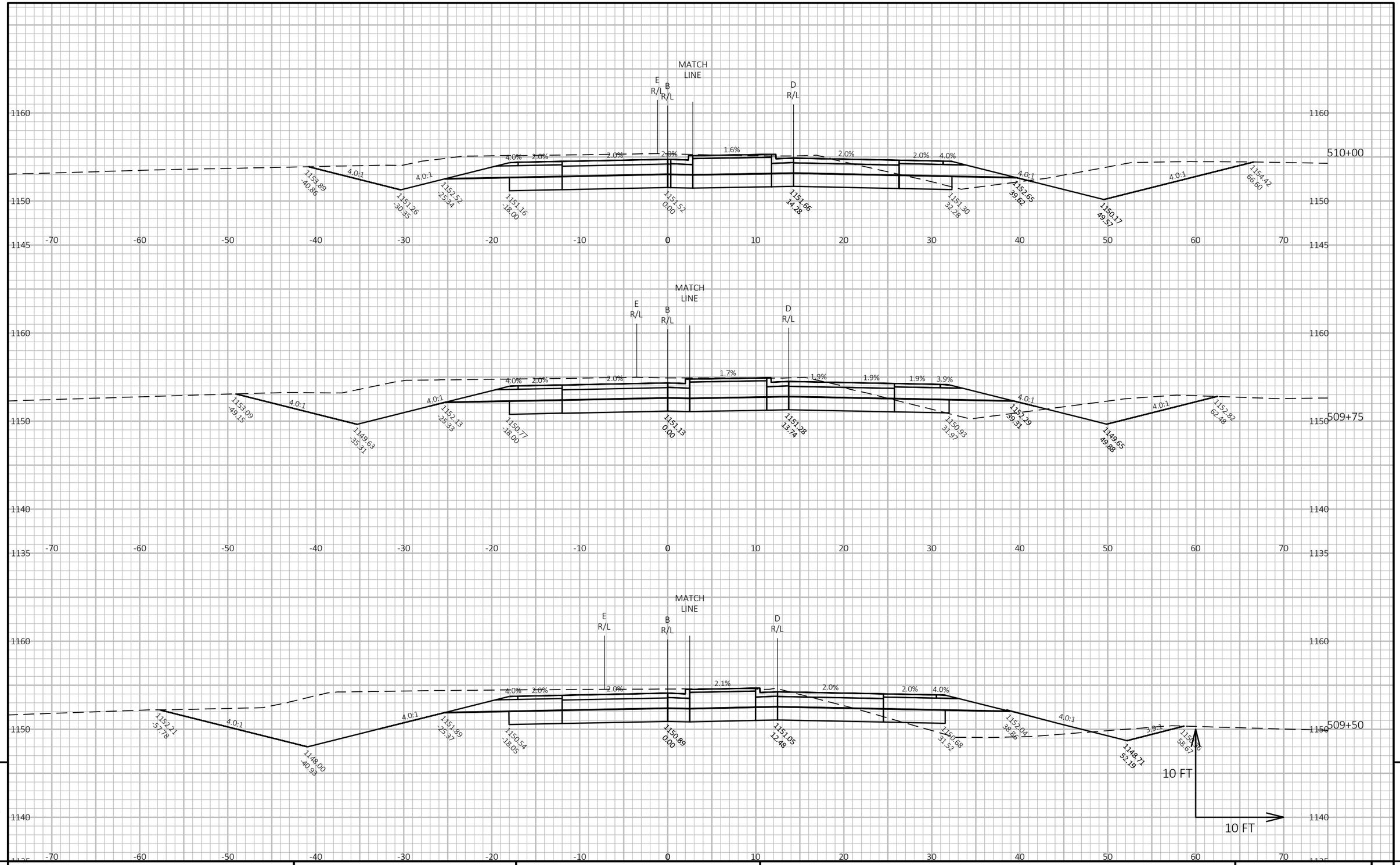
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 308	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-11

PLOT DATE : 1/31/2022 5:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

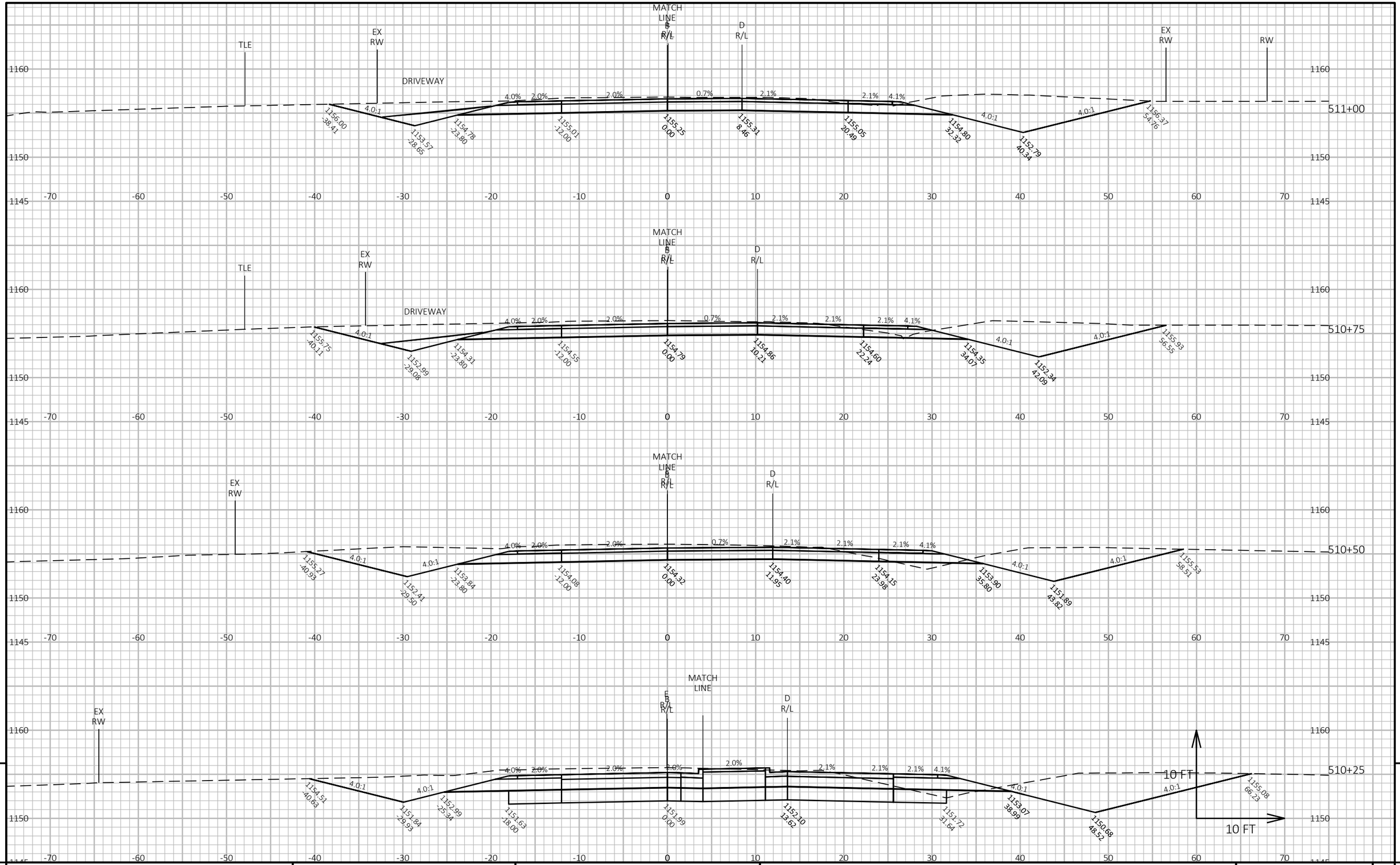


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 309 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-12

PLOT DATE : 1/31/2022 5:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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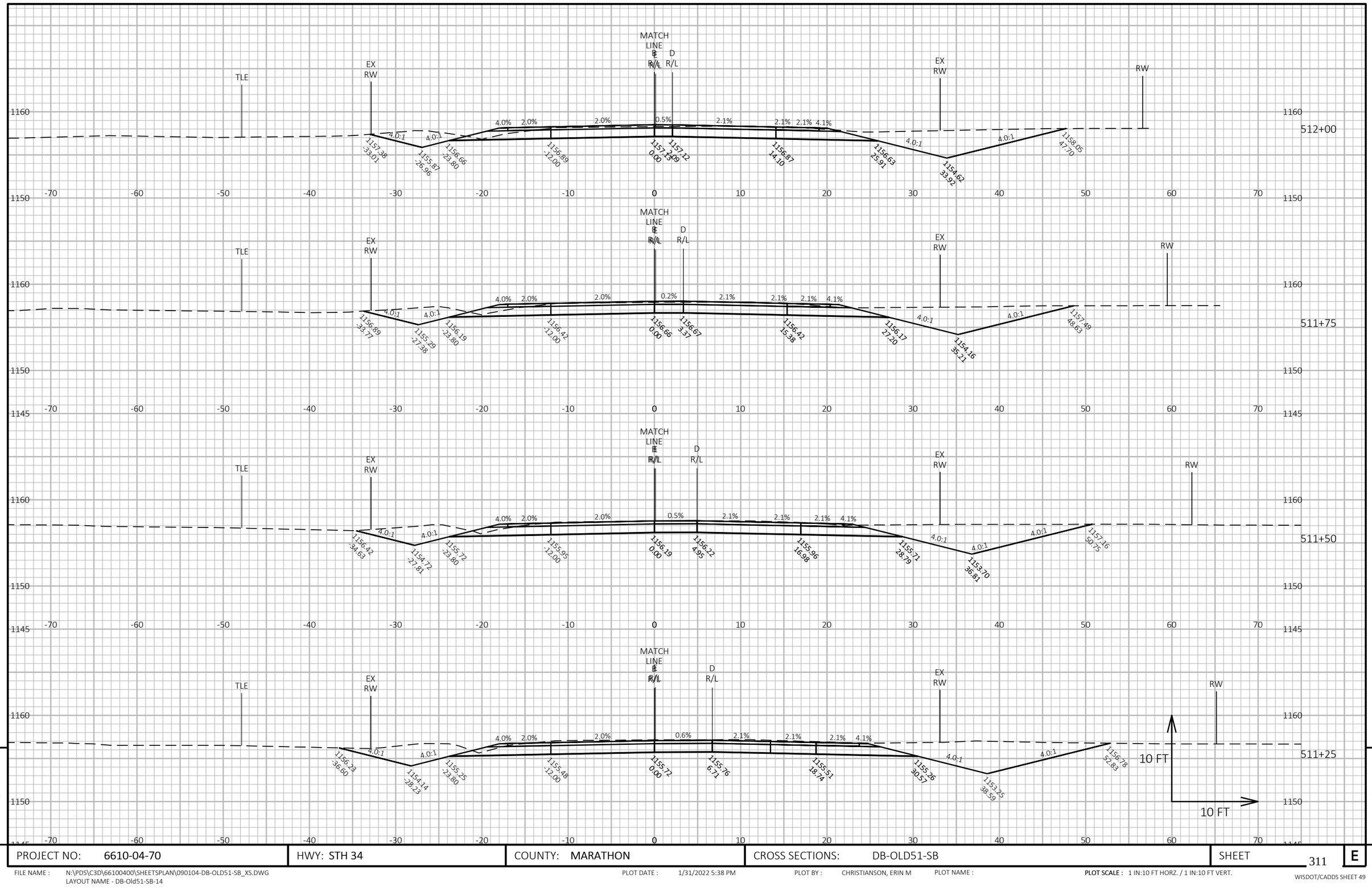
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 310	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-13

PLOT DATE : 1/31/2022 5:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



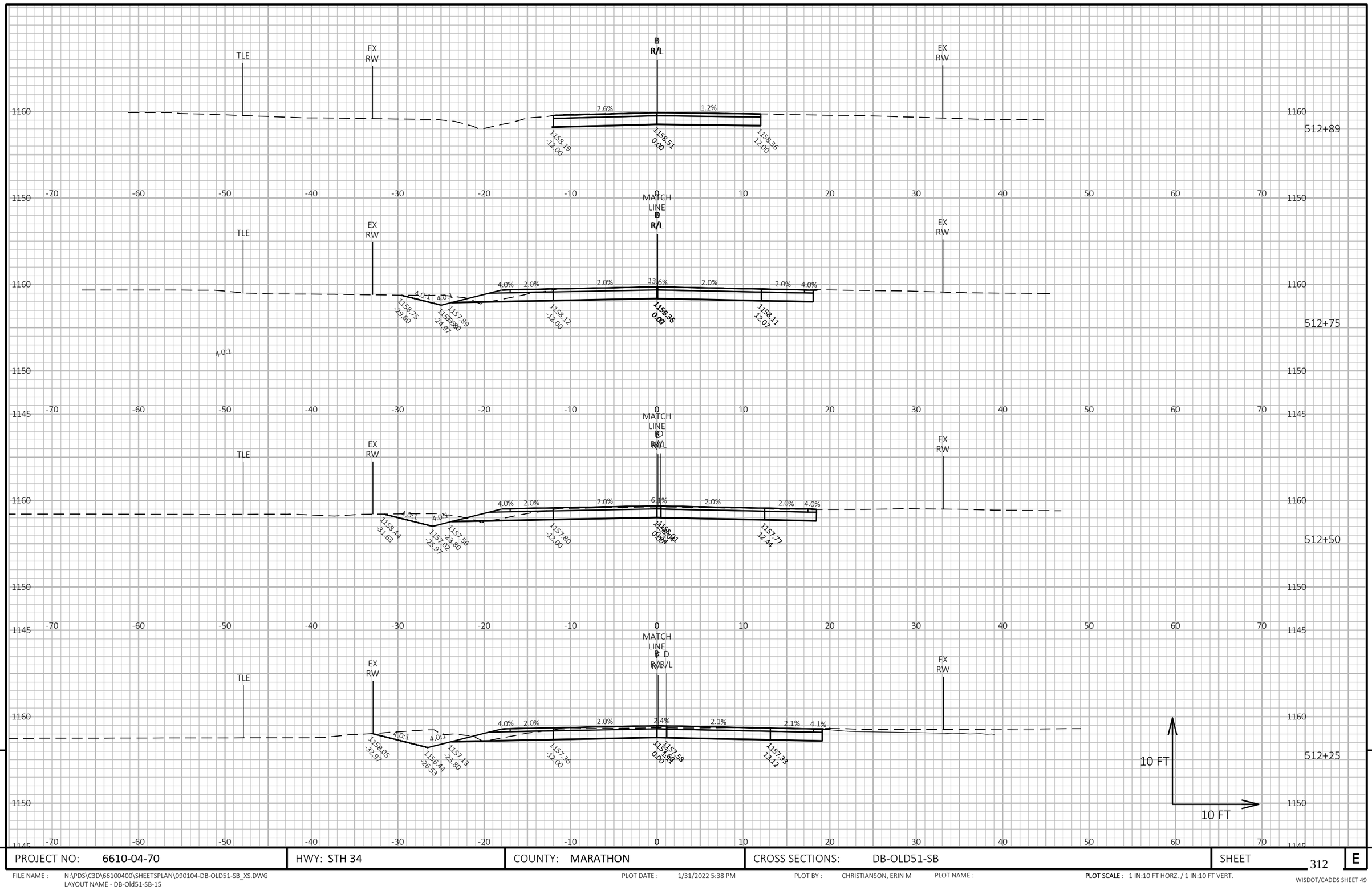
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 311	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-14

PLOT DATE : 1/31/2022 5:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

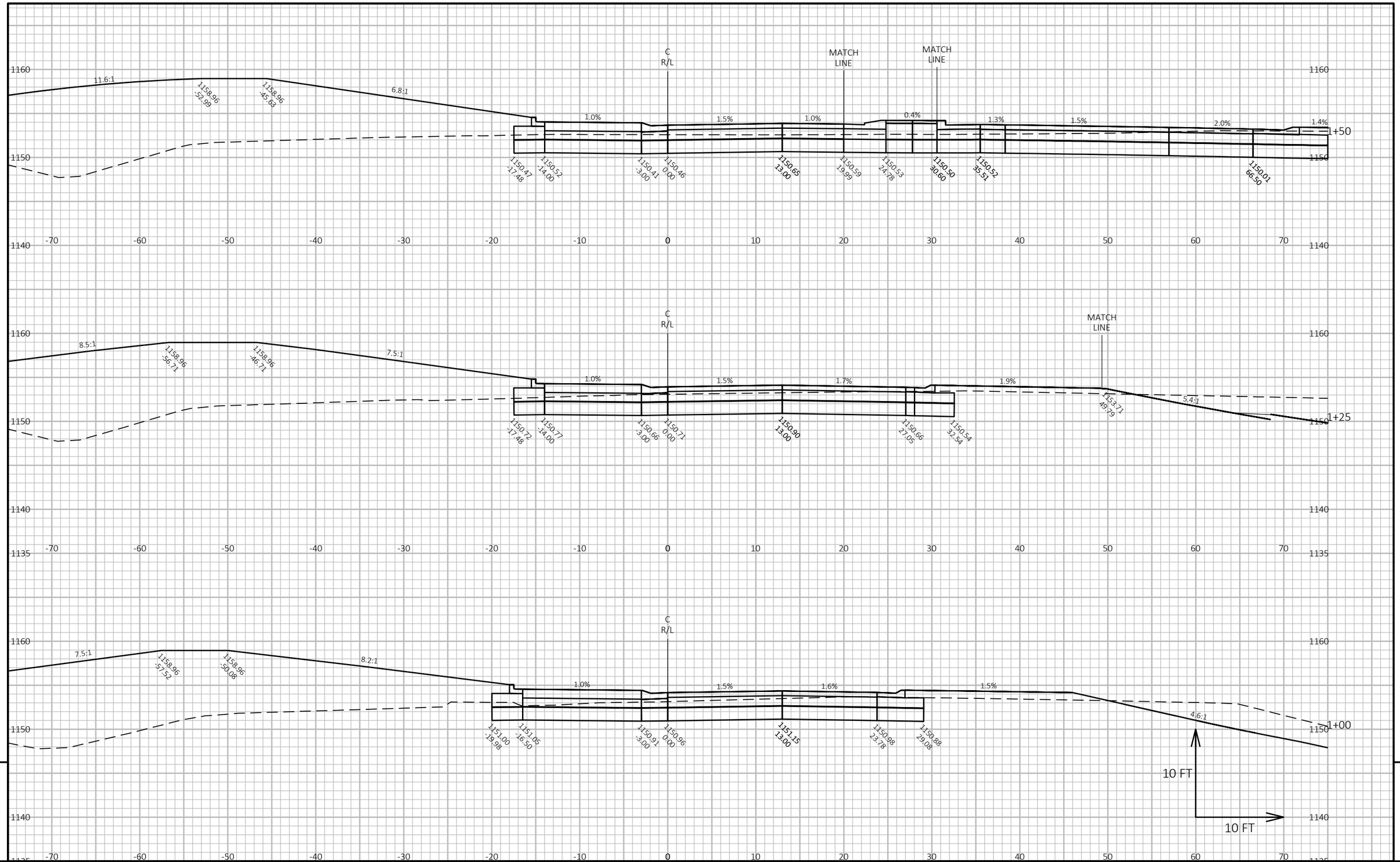


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: DB-OLD51-SB	SHEET 312	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090104-DB-OLD51-SB_XS.DWG
LAYOUT NAME - DB-Old51-SB-15

PLOT DATE : 1/31/2022 5:38 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: ROUNDABOUT	SHEET 313	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090105-RAB.DWG
LAYOUT NAME - RAB-01

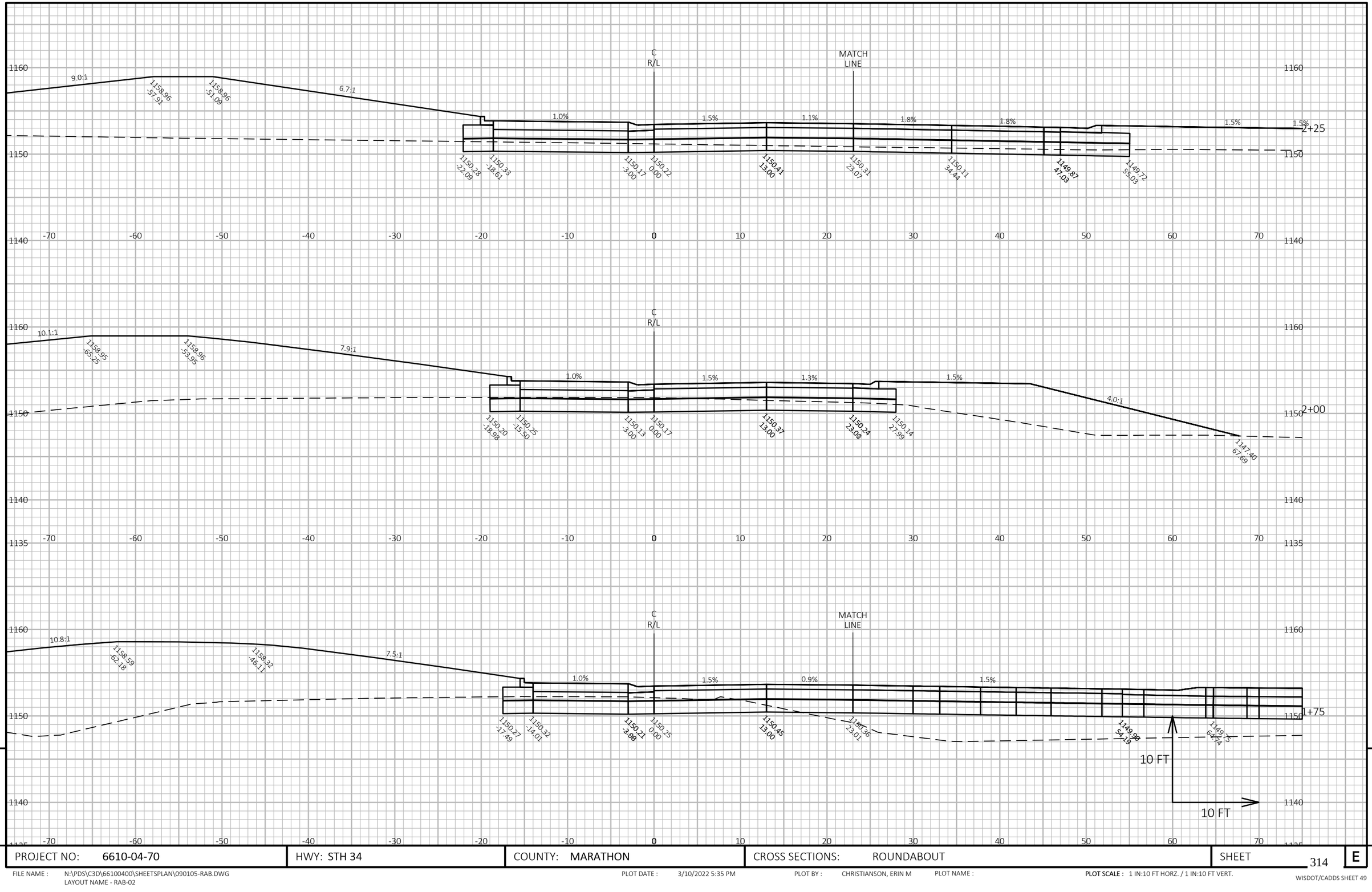
PLOT DATE : 3/10/2022 5:35 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: ROUNDABOUT	SHEET 314	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090105-RAB.DWG
LAYOUT NAME - RAB-02

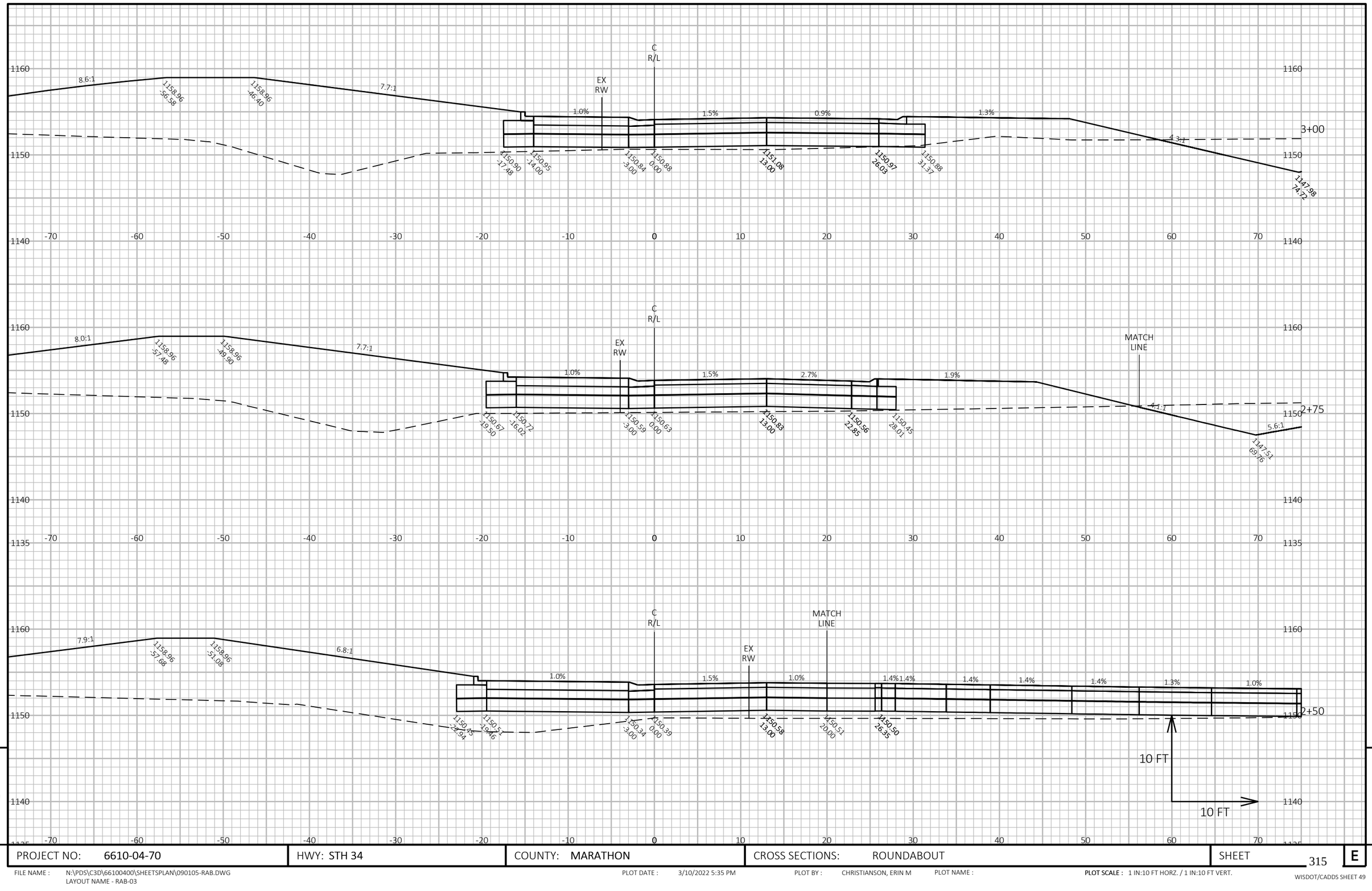
PLOT DATE : 3/10/2022 5:35 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: ROUNDABOUT	SHEET 315	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090105-RAB.DWG
LAYOUT NAME - RAB-03

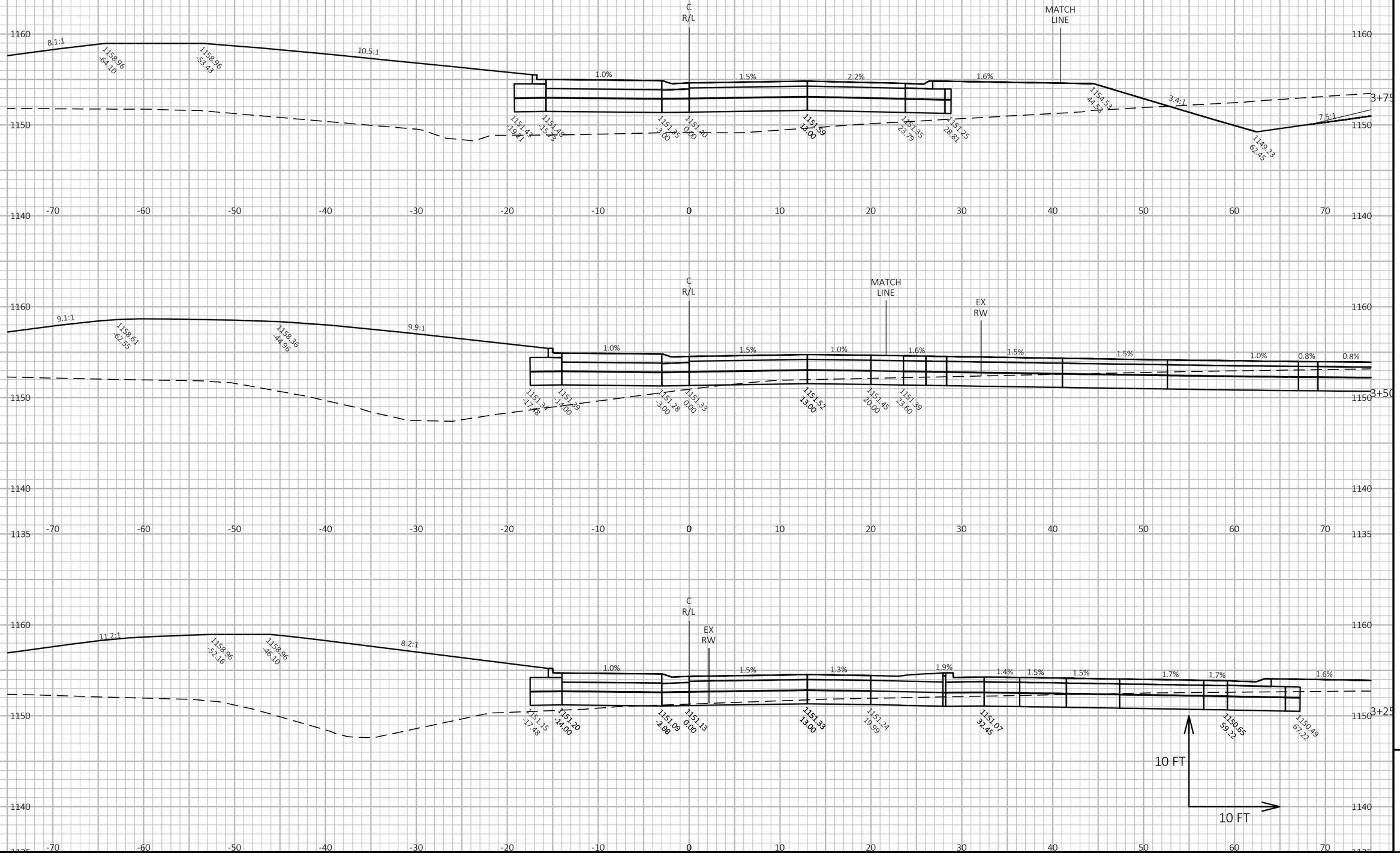
PLOT DATE : 3/10/2022 5:35 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: ROUNDABOUT	SHEET 316	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090105-RAB.DWG
LAYOUT NAME - RAB-04

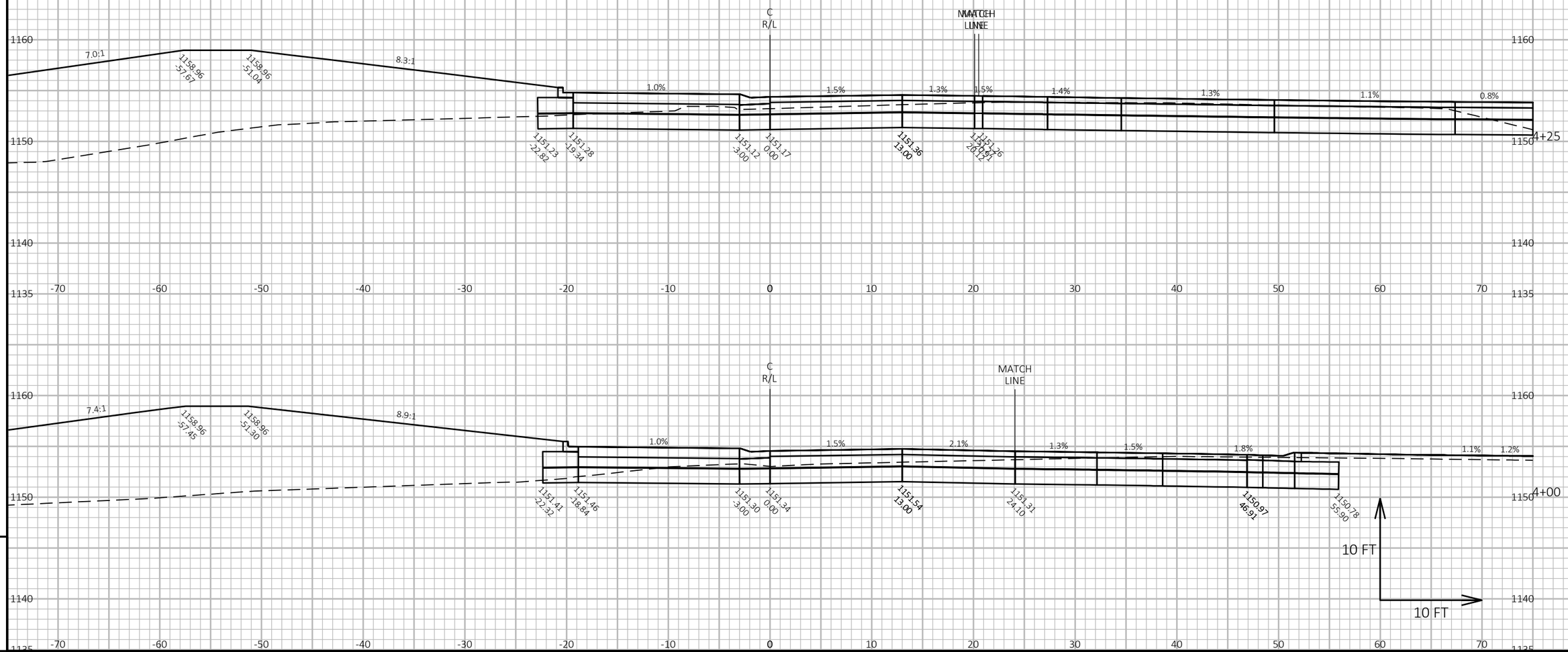
PLOT DATE : 3/10/2022 5:35 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: ROUNDABOUT	SHEET 317	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090105-RAB.DWG
LAYOUT NAME - RAB-05

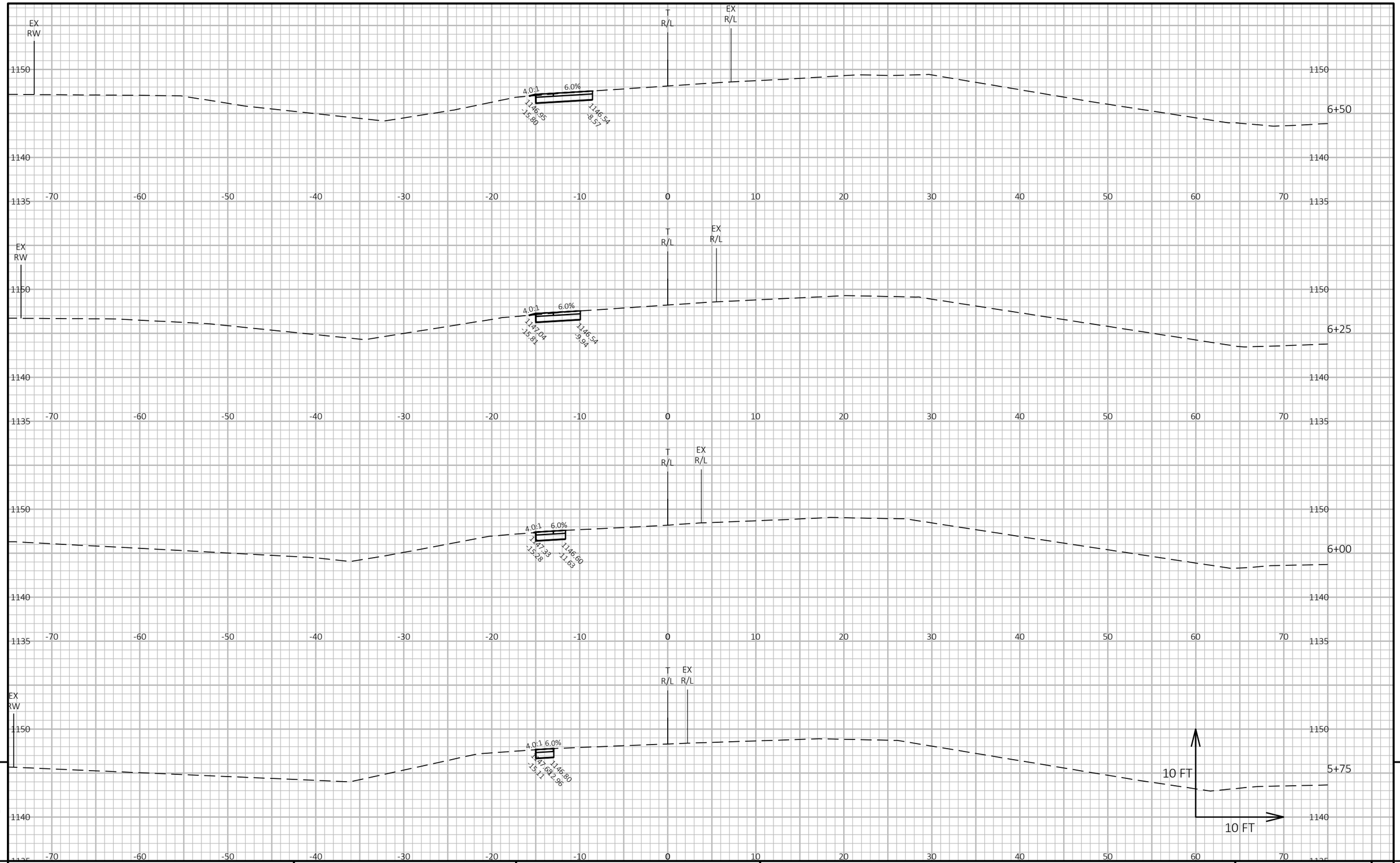
PLOT DATE : 3/10/2022 5:35 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

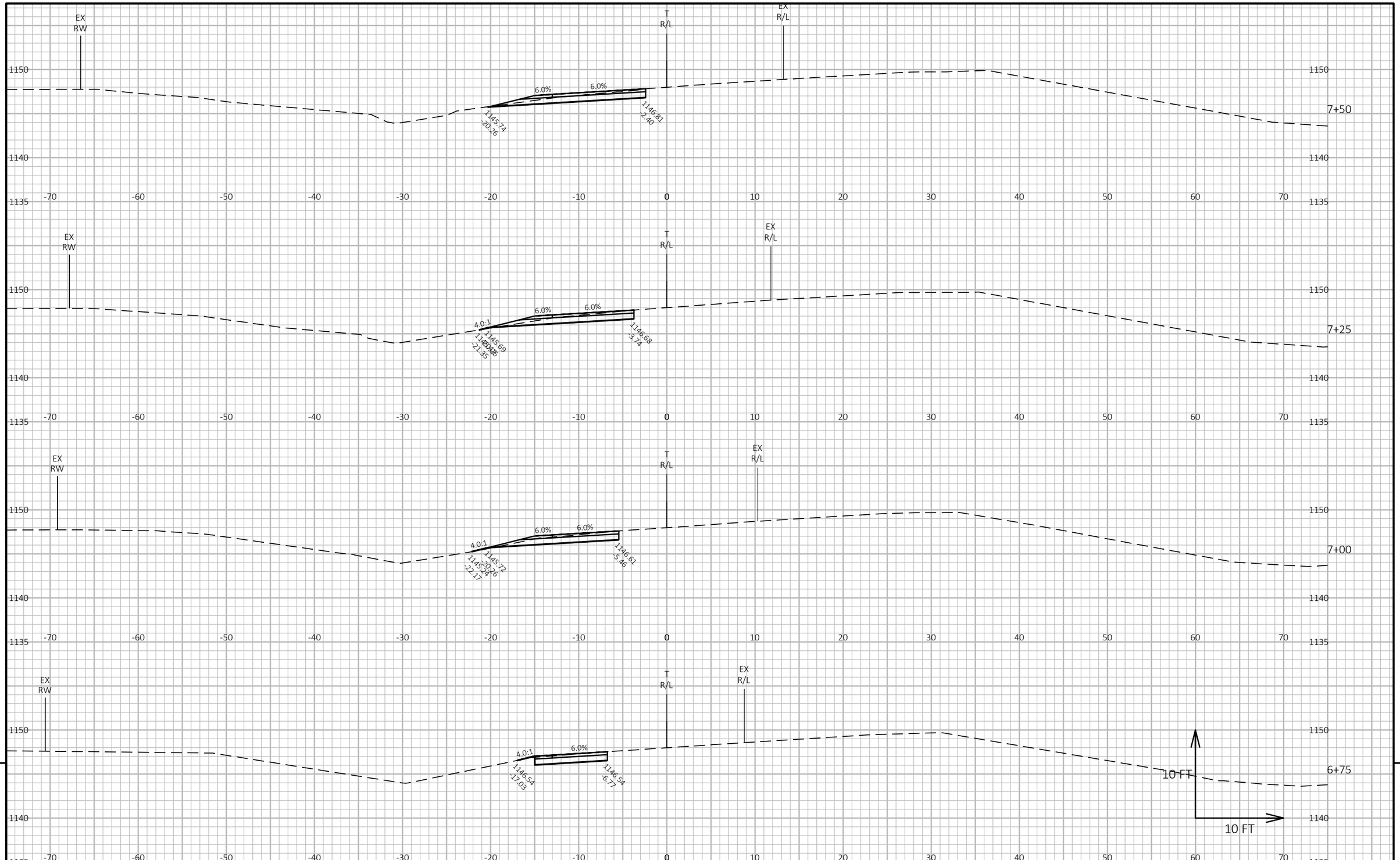


PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 318	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd01

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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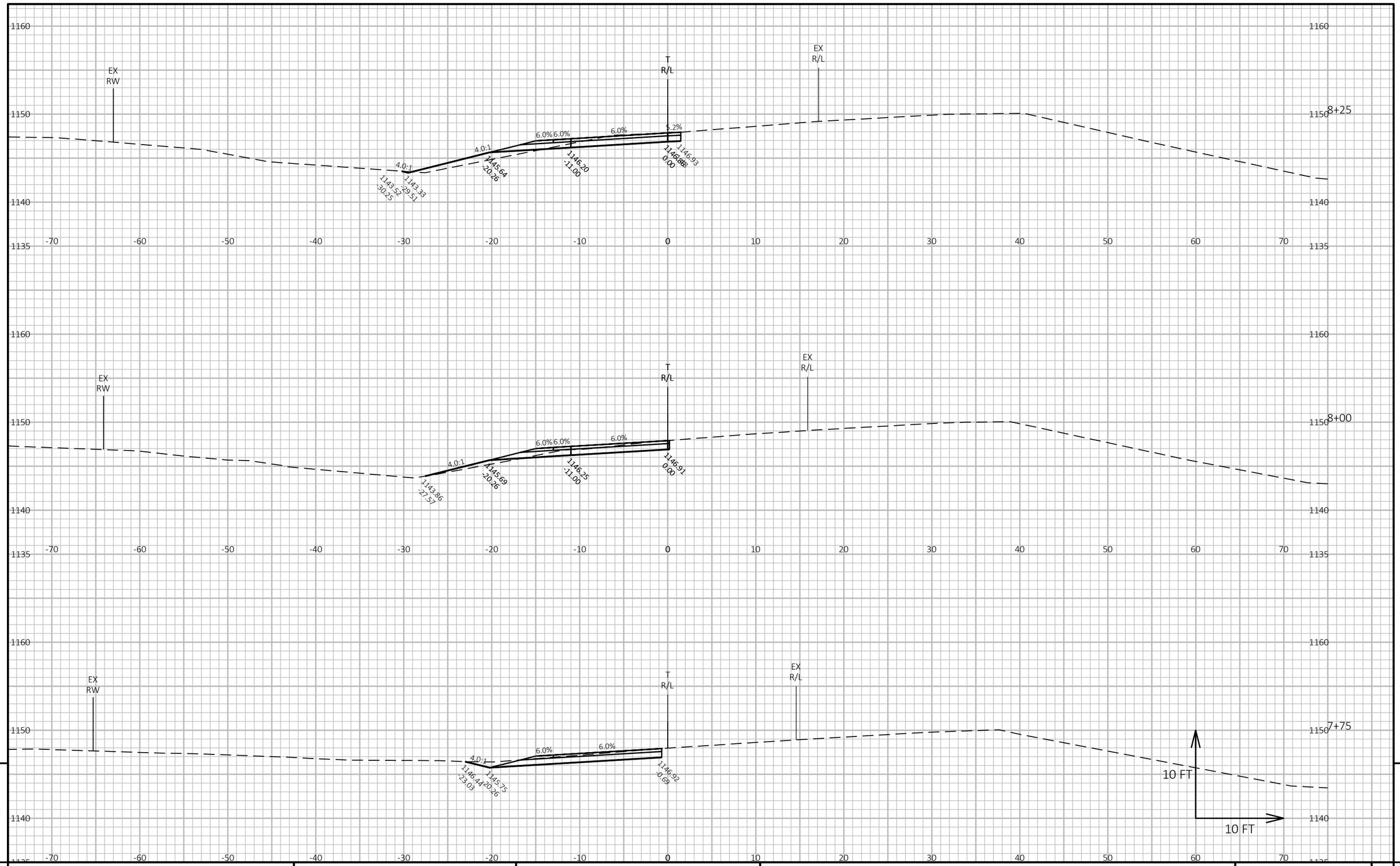
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 319	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd02

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 320	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd03

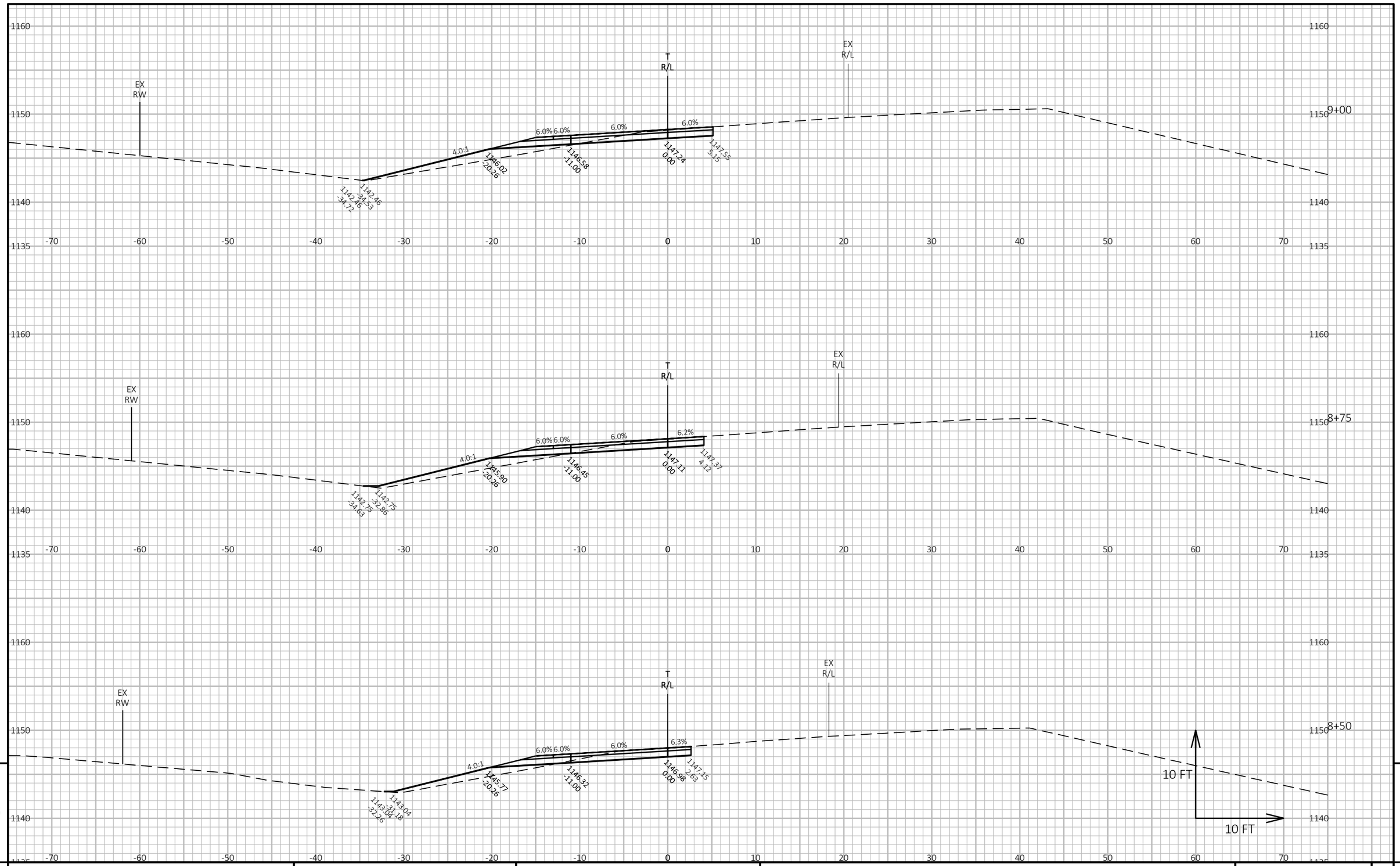
PLOT DATE : 1/31/2022 5:46 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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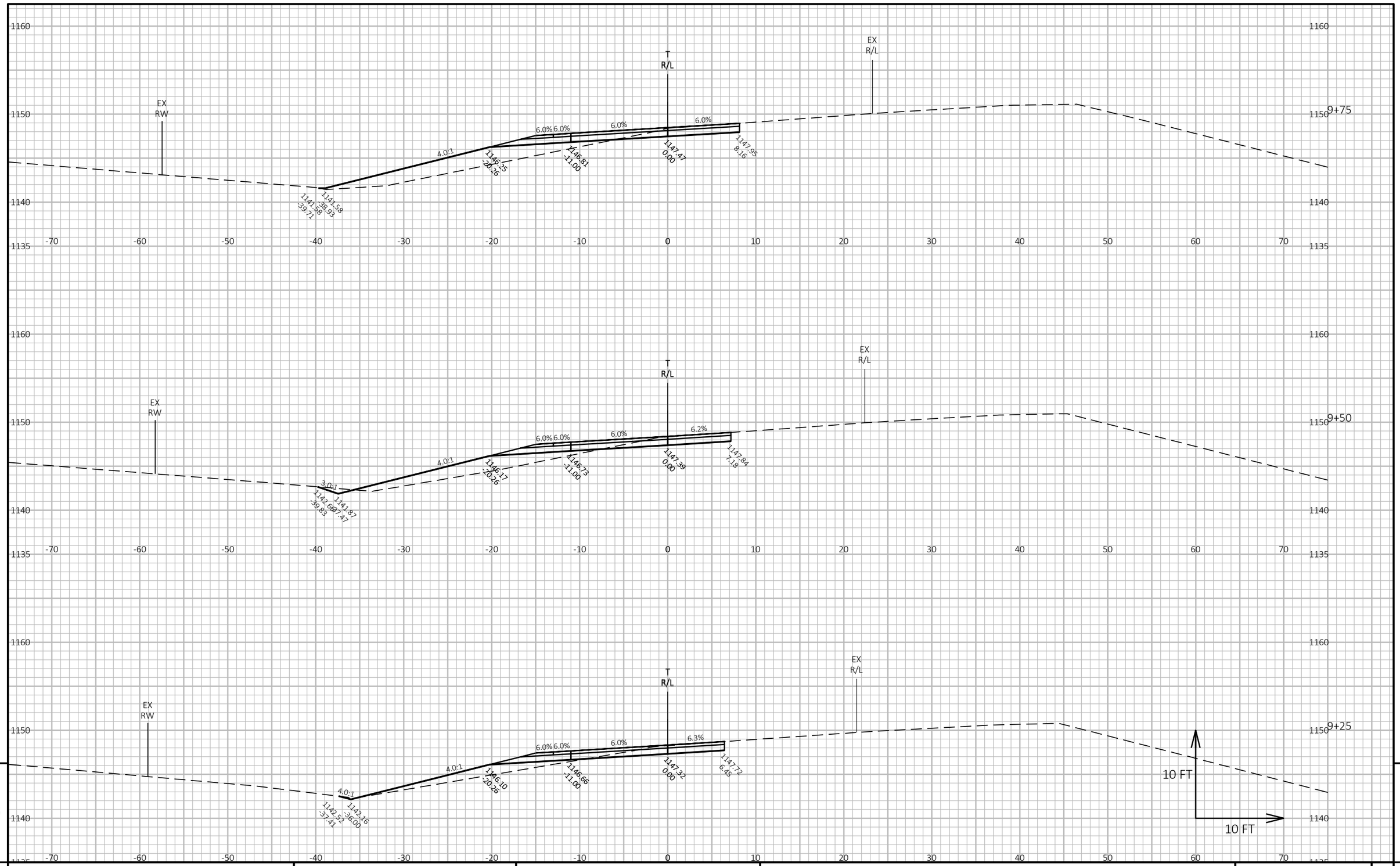
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 321	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd04

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 322	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd05

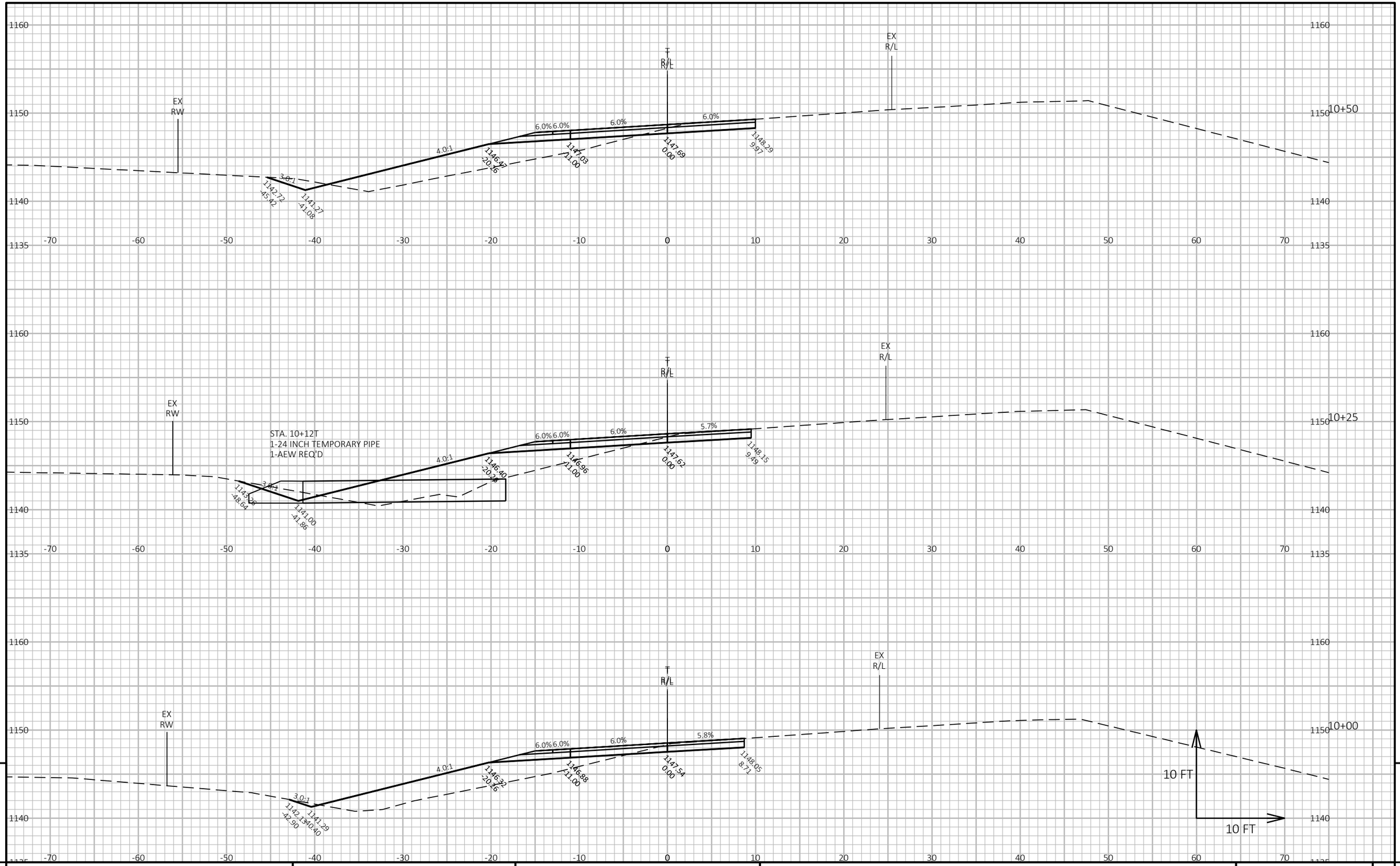
PLOT DATE : 1/31/2022 5:46 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 323	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd06

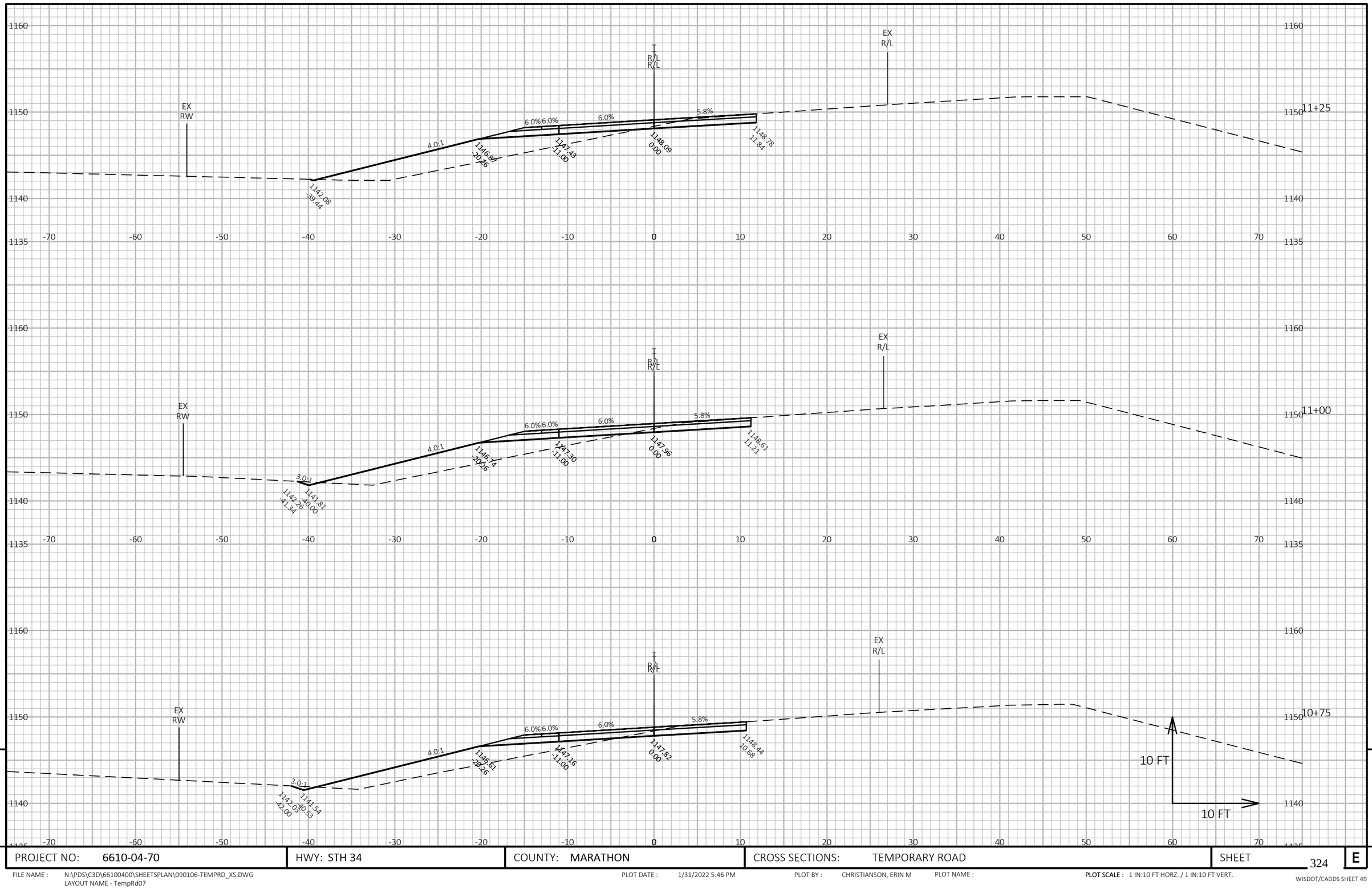
PLOT DATE : 1/31/2022 5:46 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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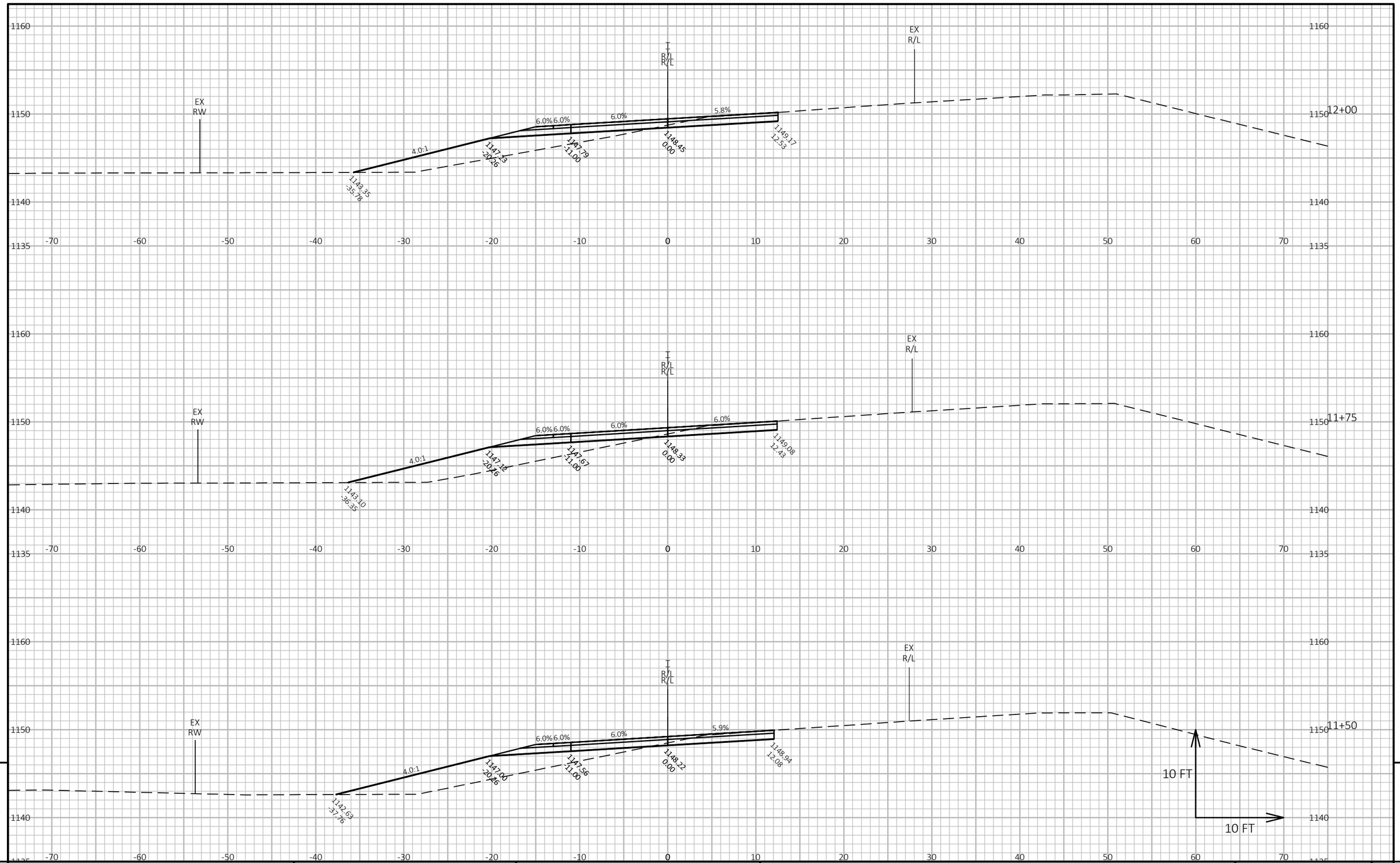
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 324	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd07

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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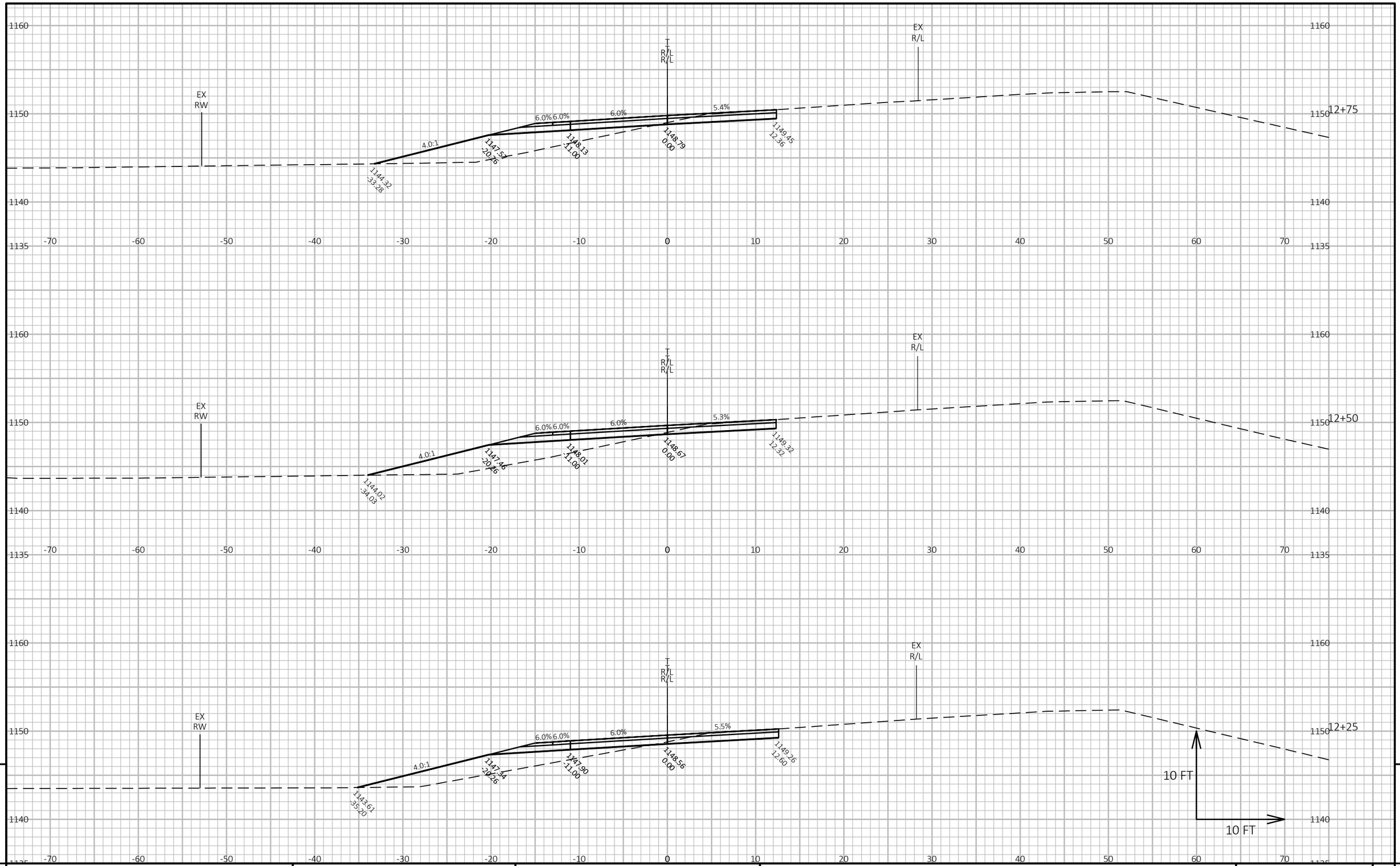
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 325	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd08

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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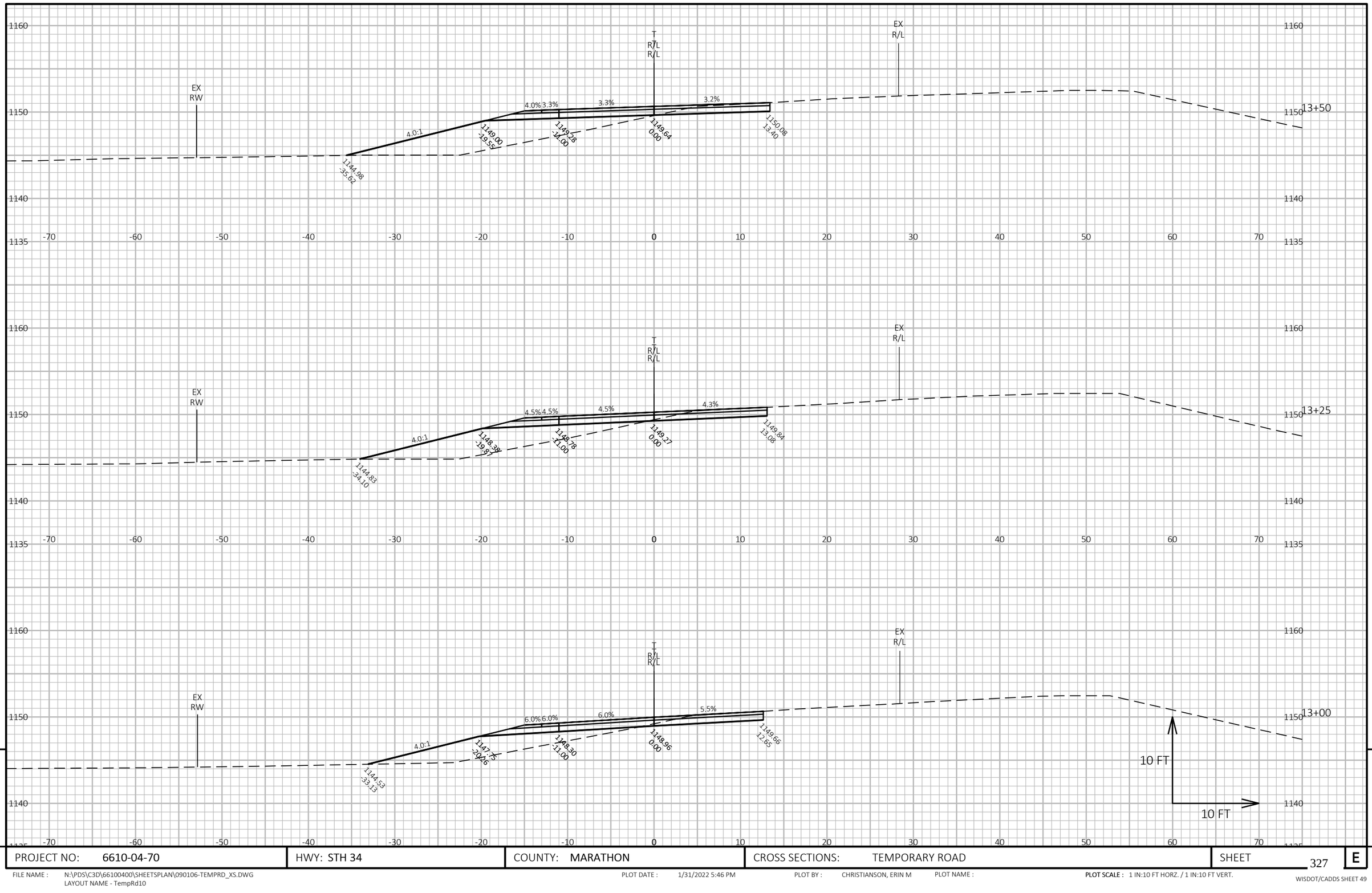
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 326	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd09

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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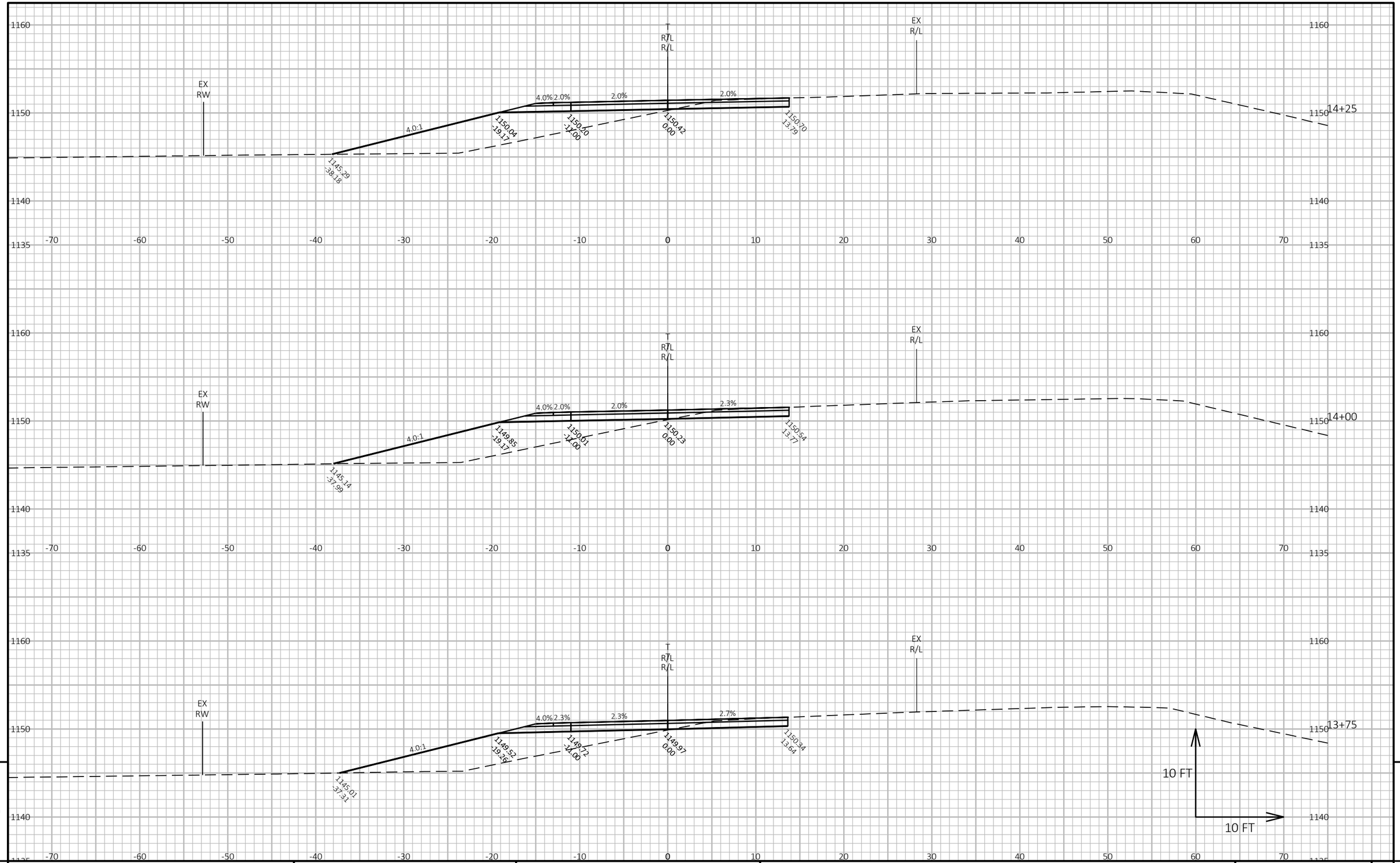
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 327	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd10

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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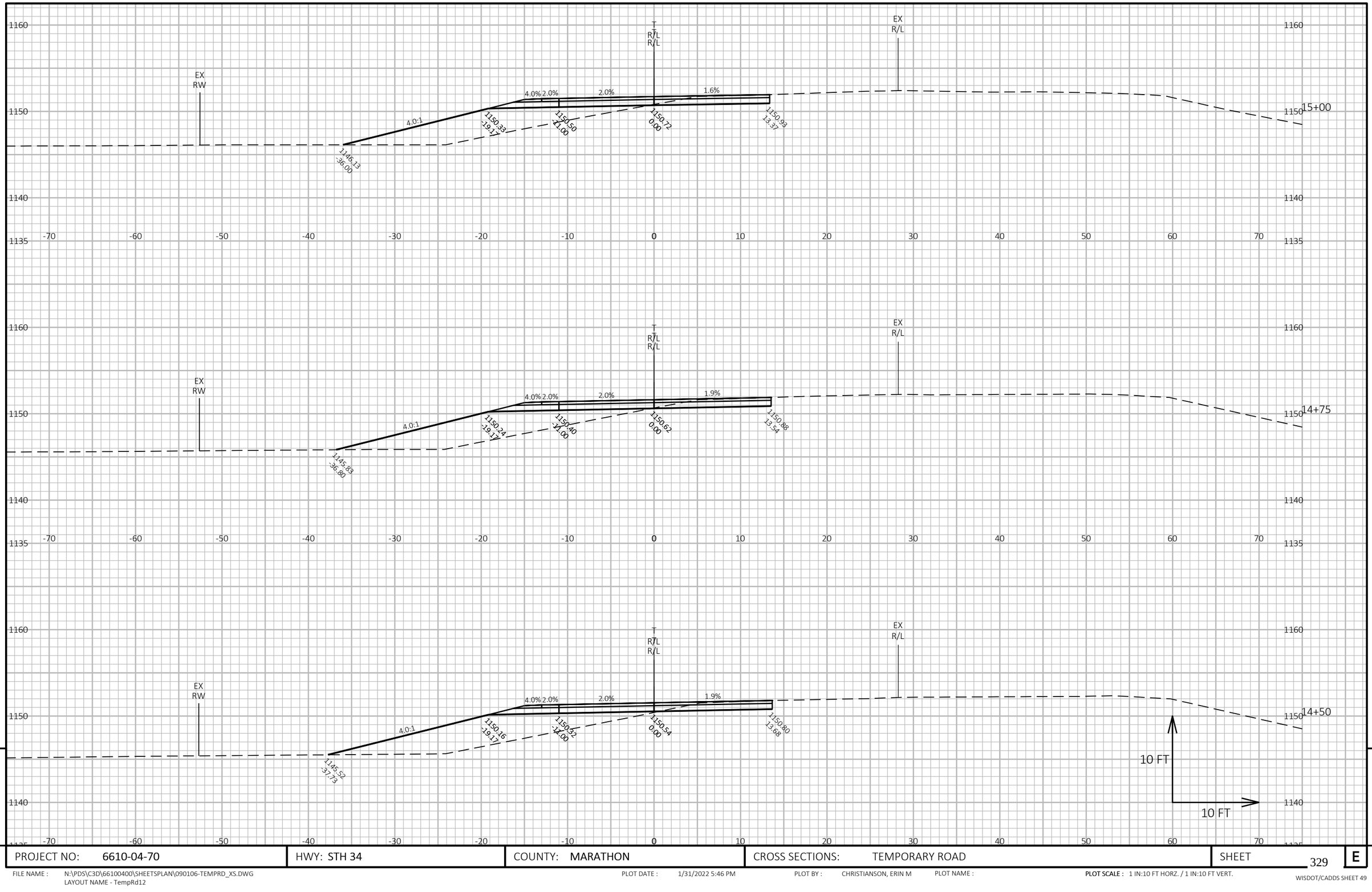
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 328	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd11

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 329	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd12

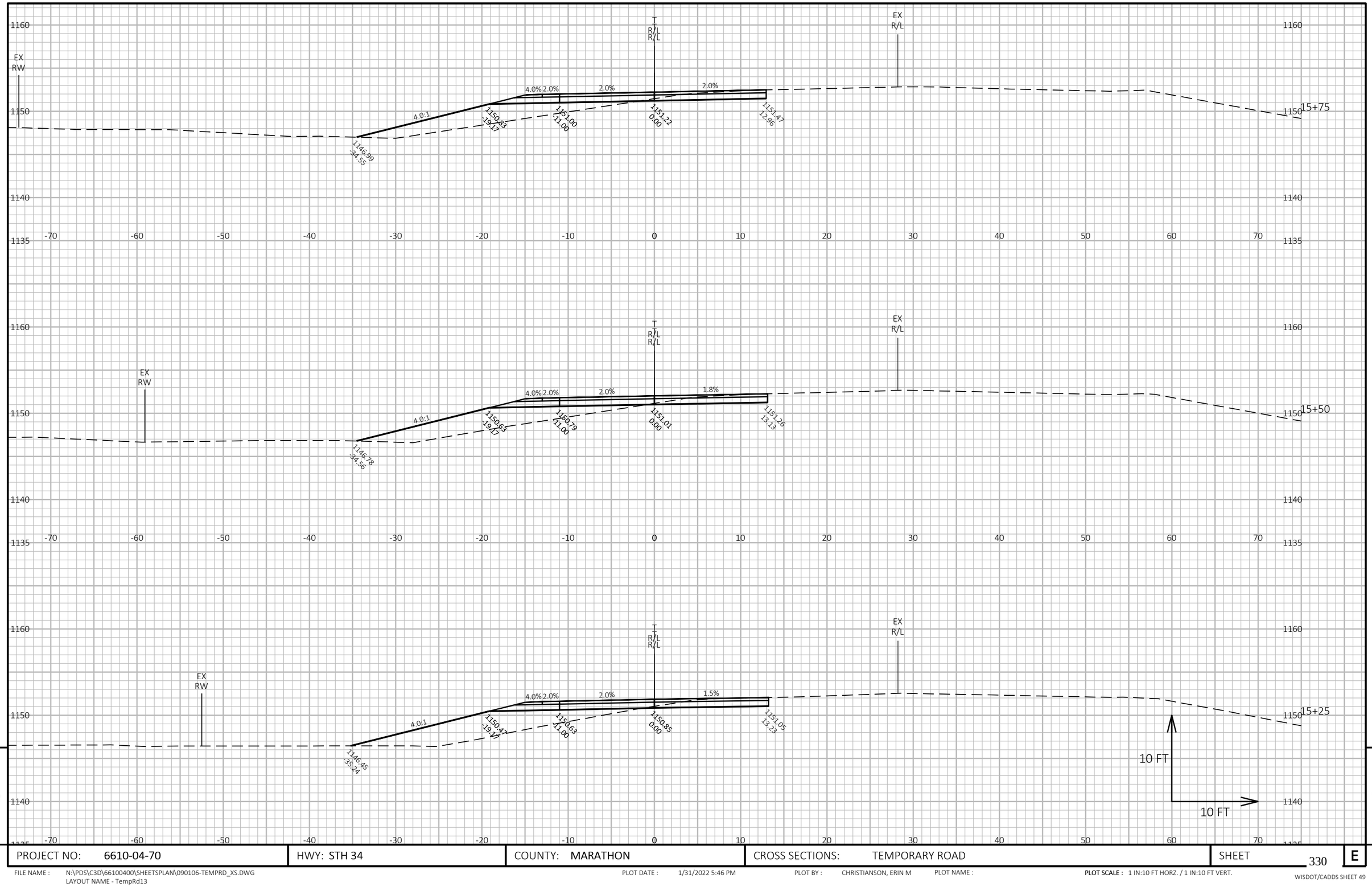
PLOT DATE : 1/31/2022 5:46 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 330	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd13

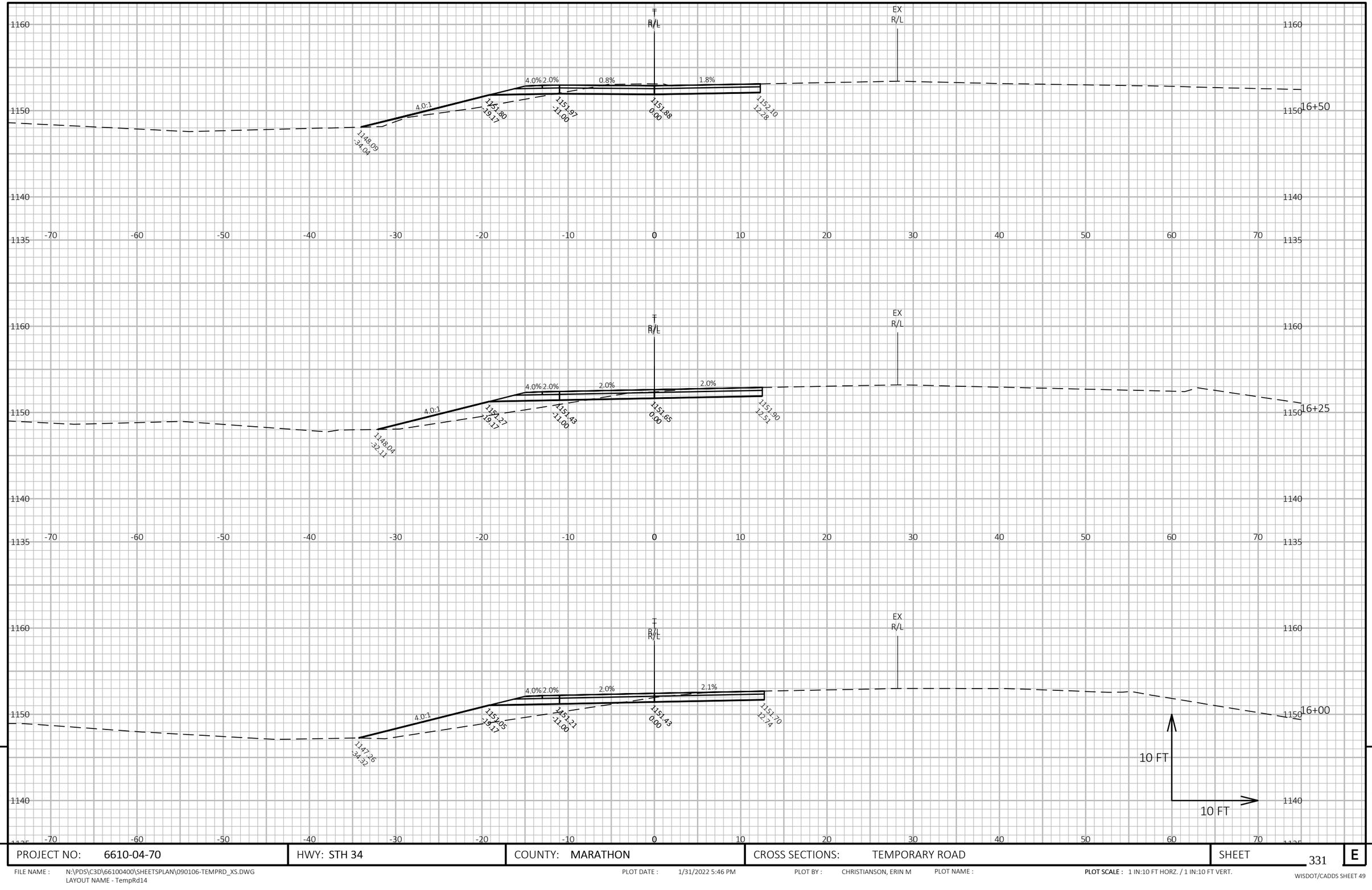
PLOT DATE : 1/31/2022 5:46 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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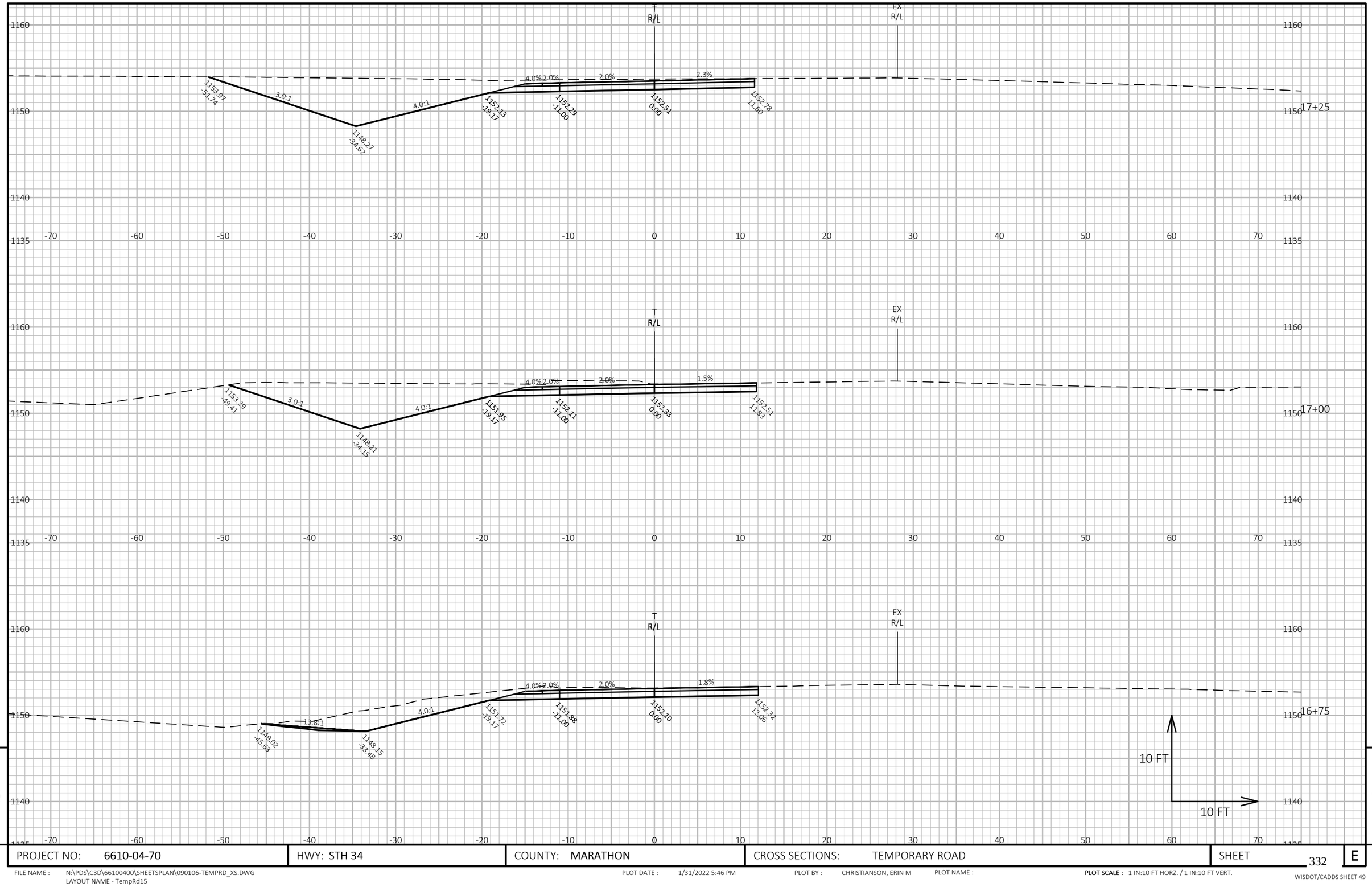
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 331	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd14

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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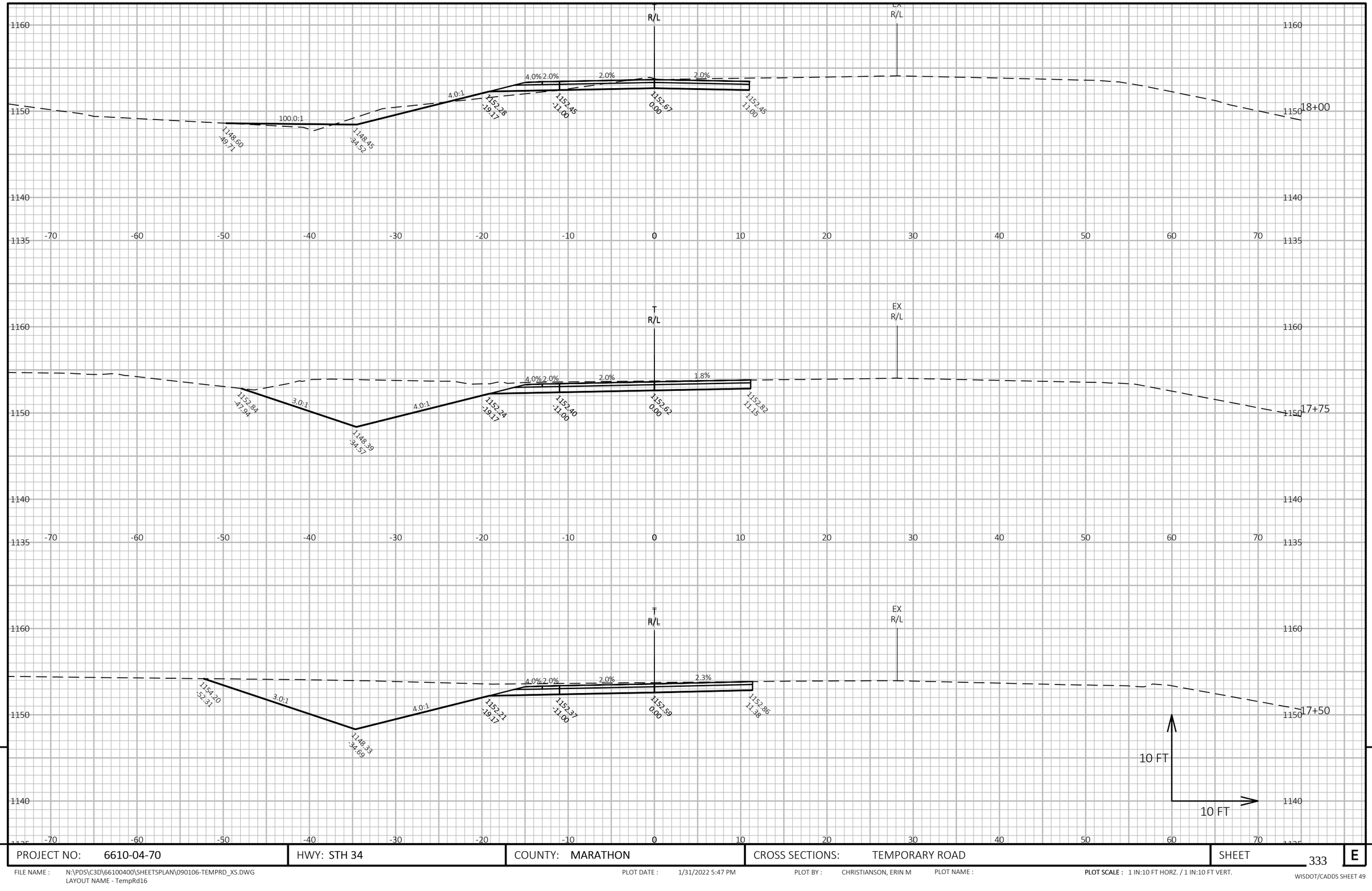
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 332	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd15

PLOT DATE : 1/31/2022 5:46 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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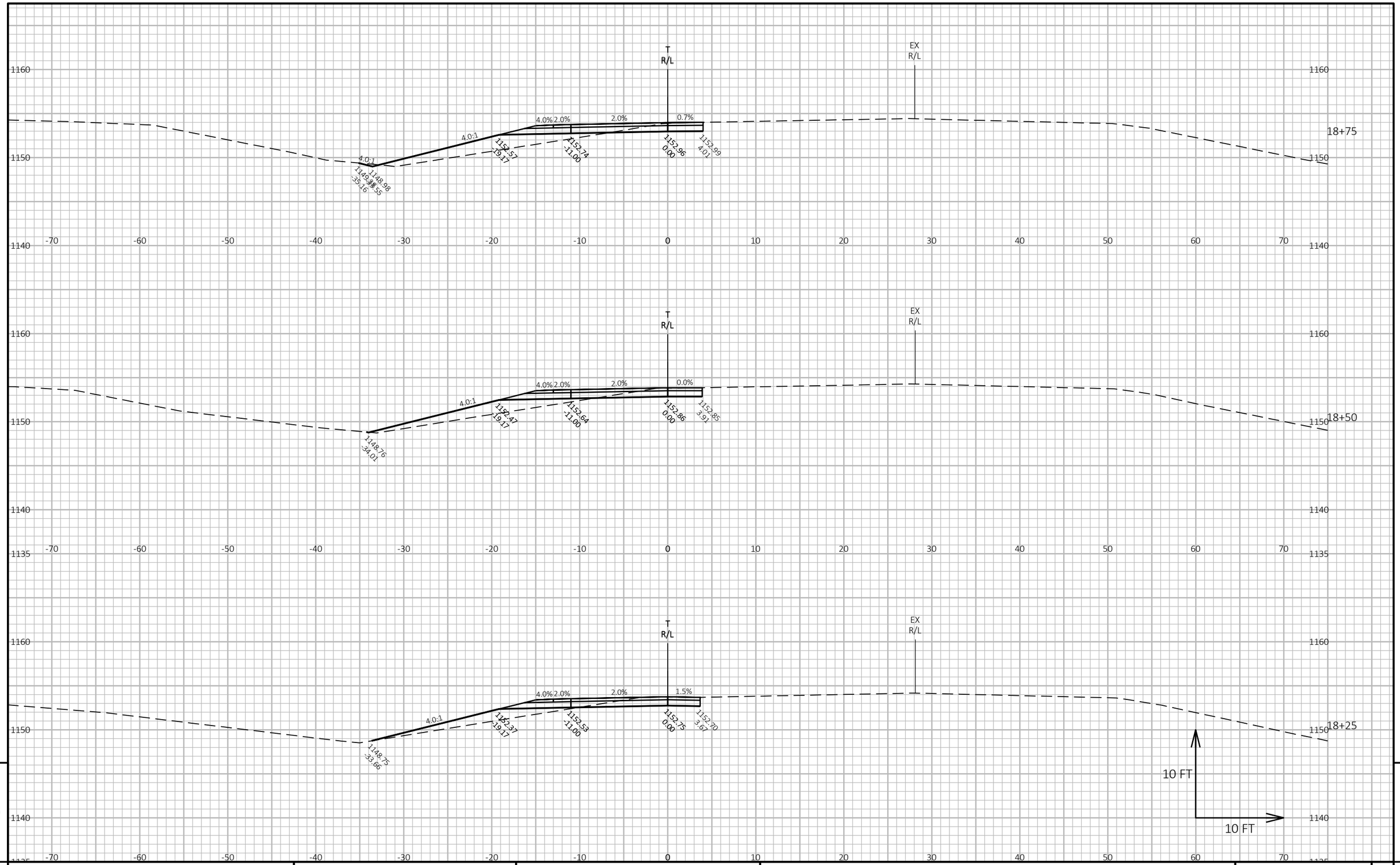
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 333	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd16

PLOT DATE : 1/31/2022 5:47 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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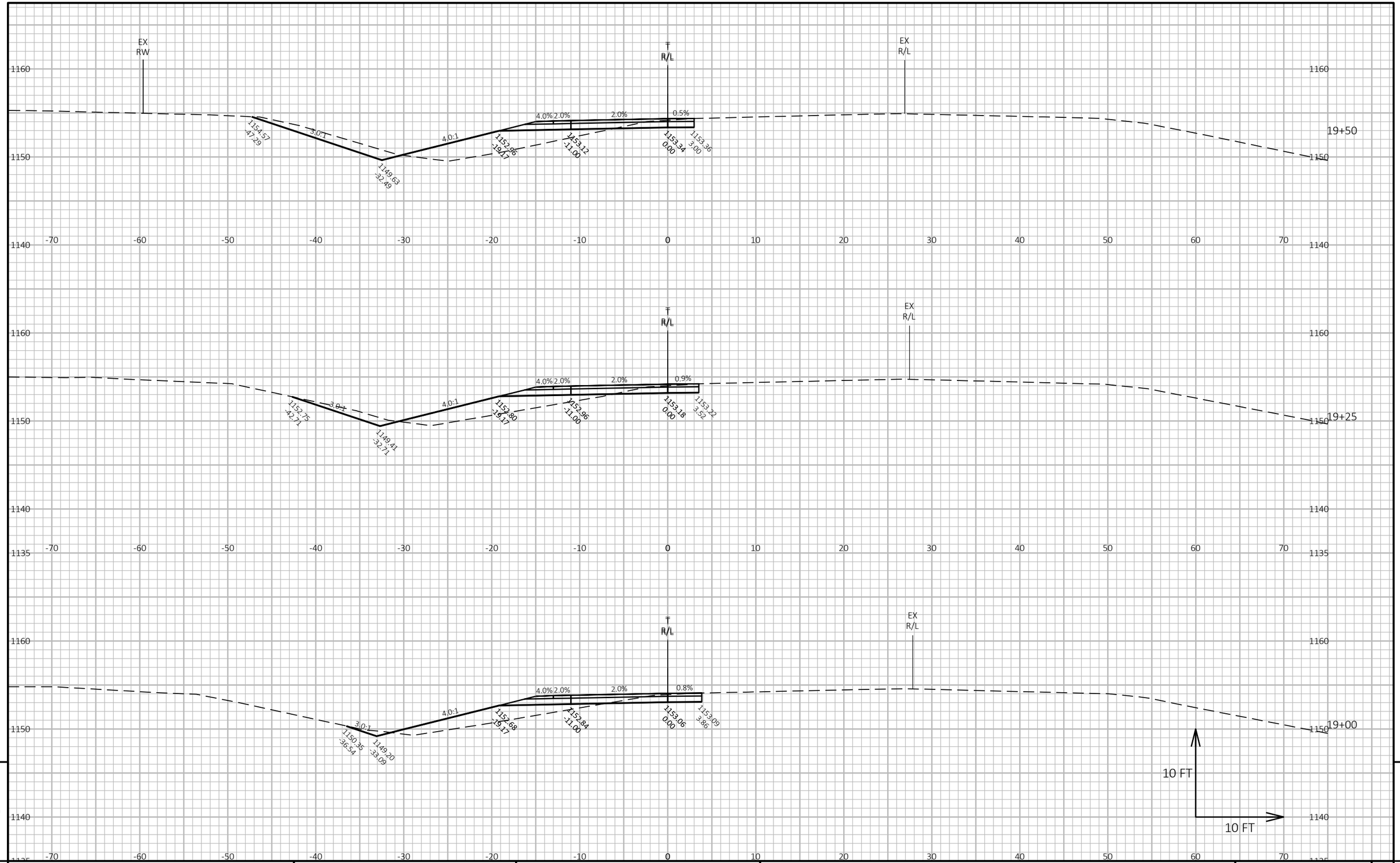
PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 334	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd17

PLOT DATE : 1/31/2022 5:47 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

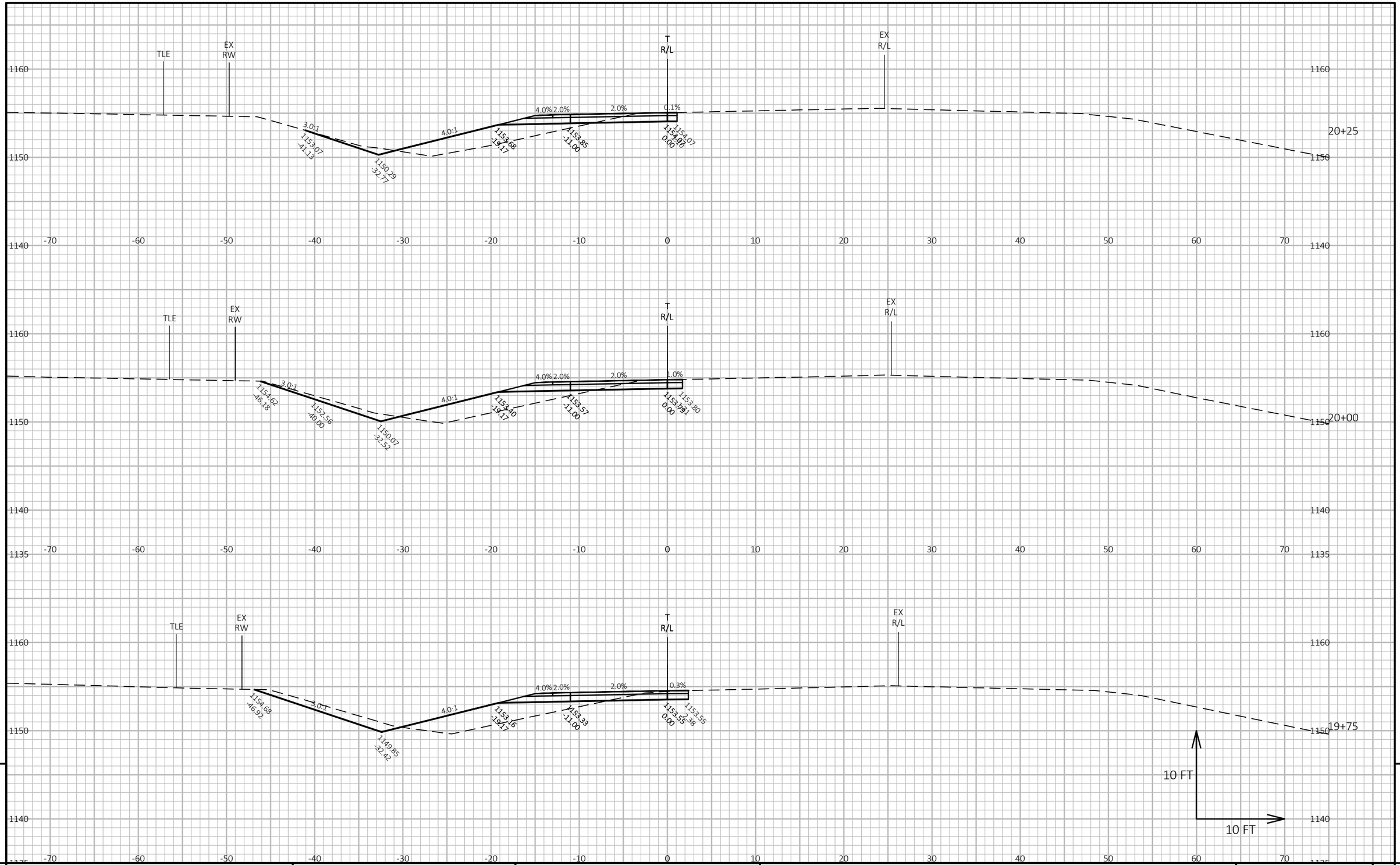
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 335	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd18

PLOT DATE : 1/31/2022 5:47 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

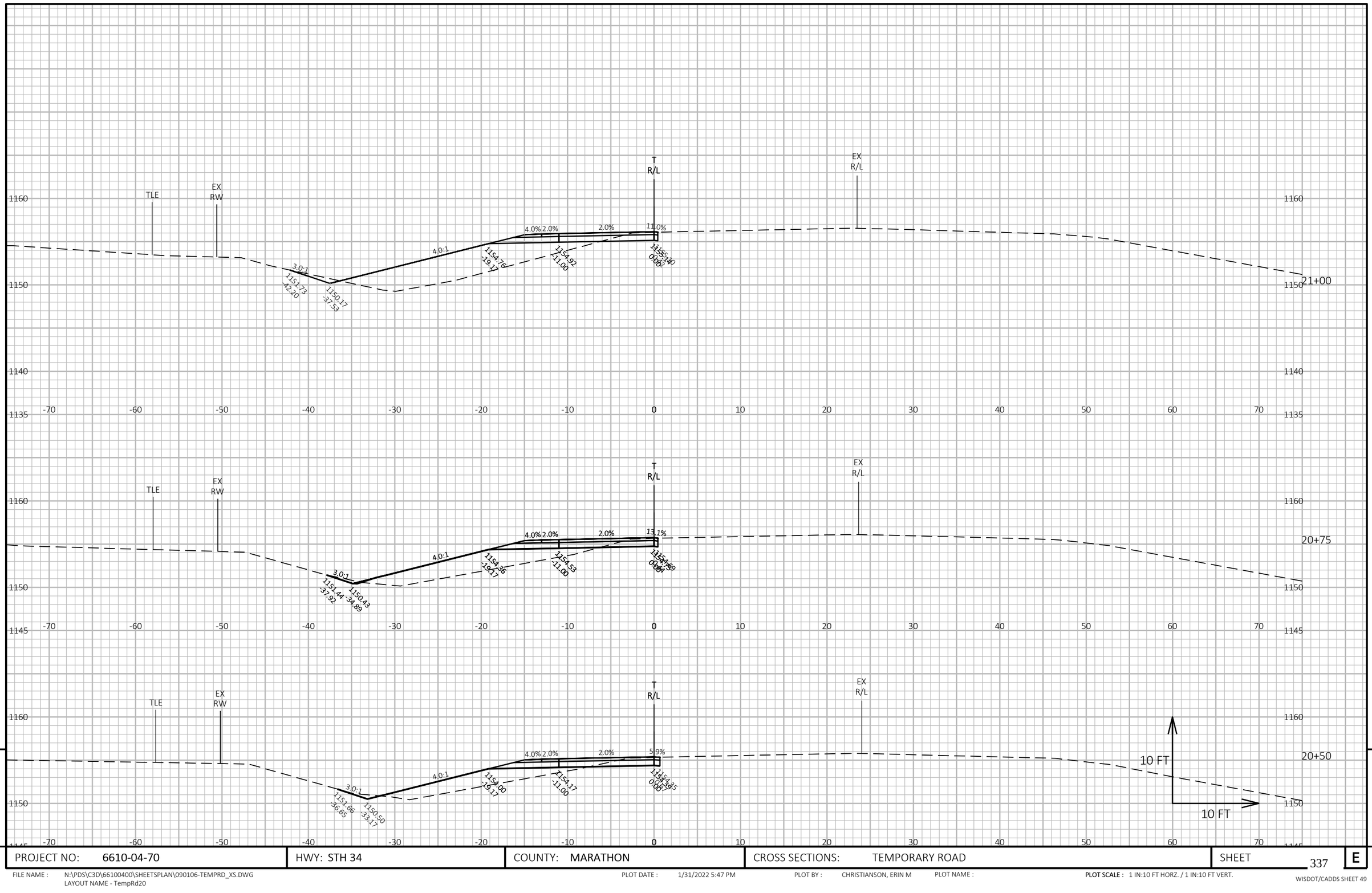
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 336	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd19

PLOT DATE : 1/31/2022 5:47 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 337	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd20

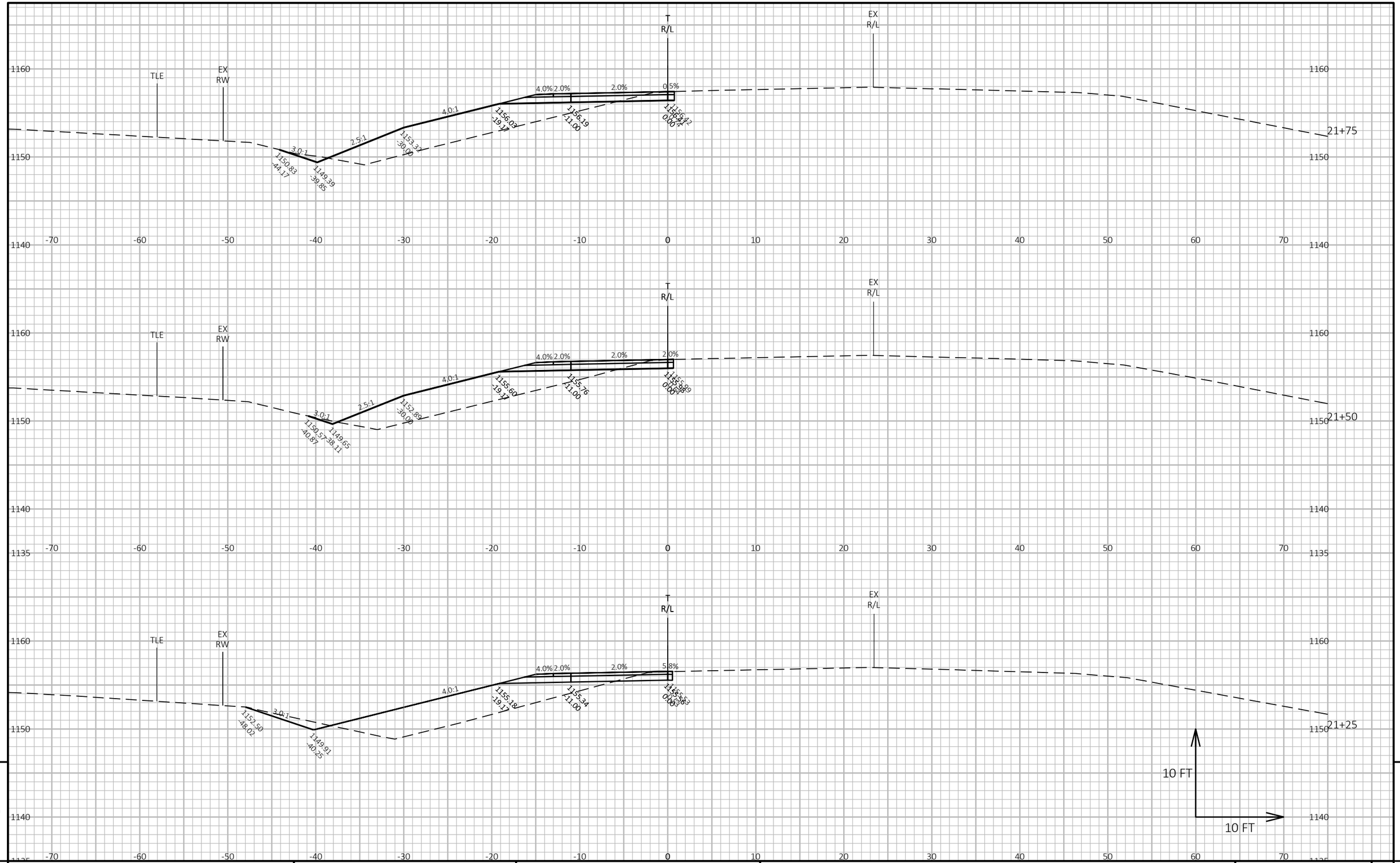
PLOT DATE : 1/31/2022 5:47 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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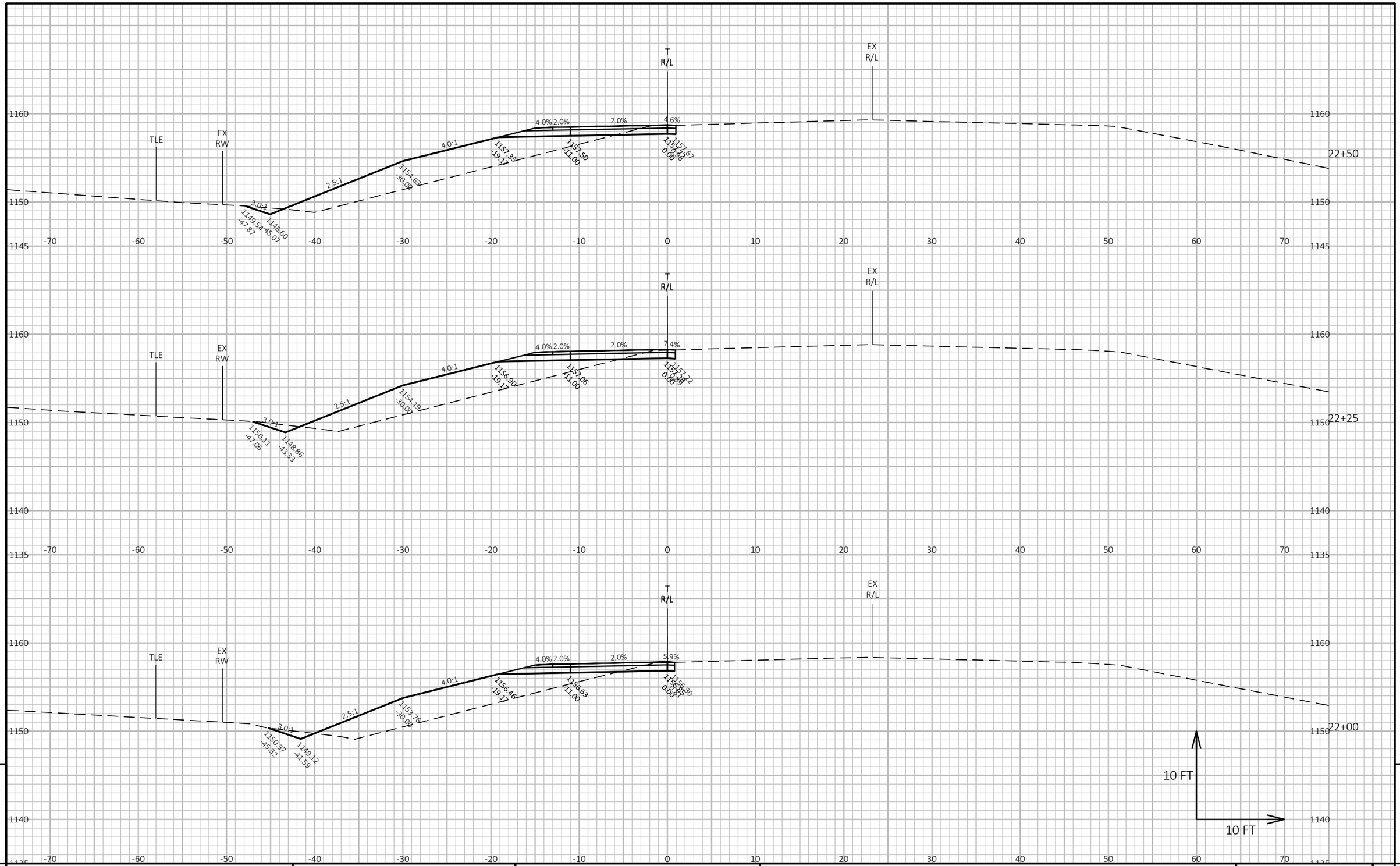
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 338	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd21

PLOT DATE : 1/31/2022 5:47 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 339 E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd22

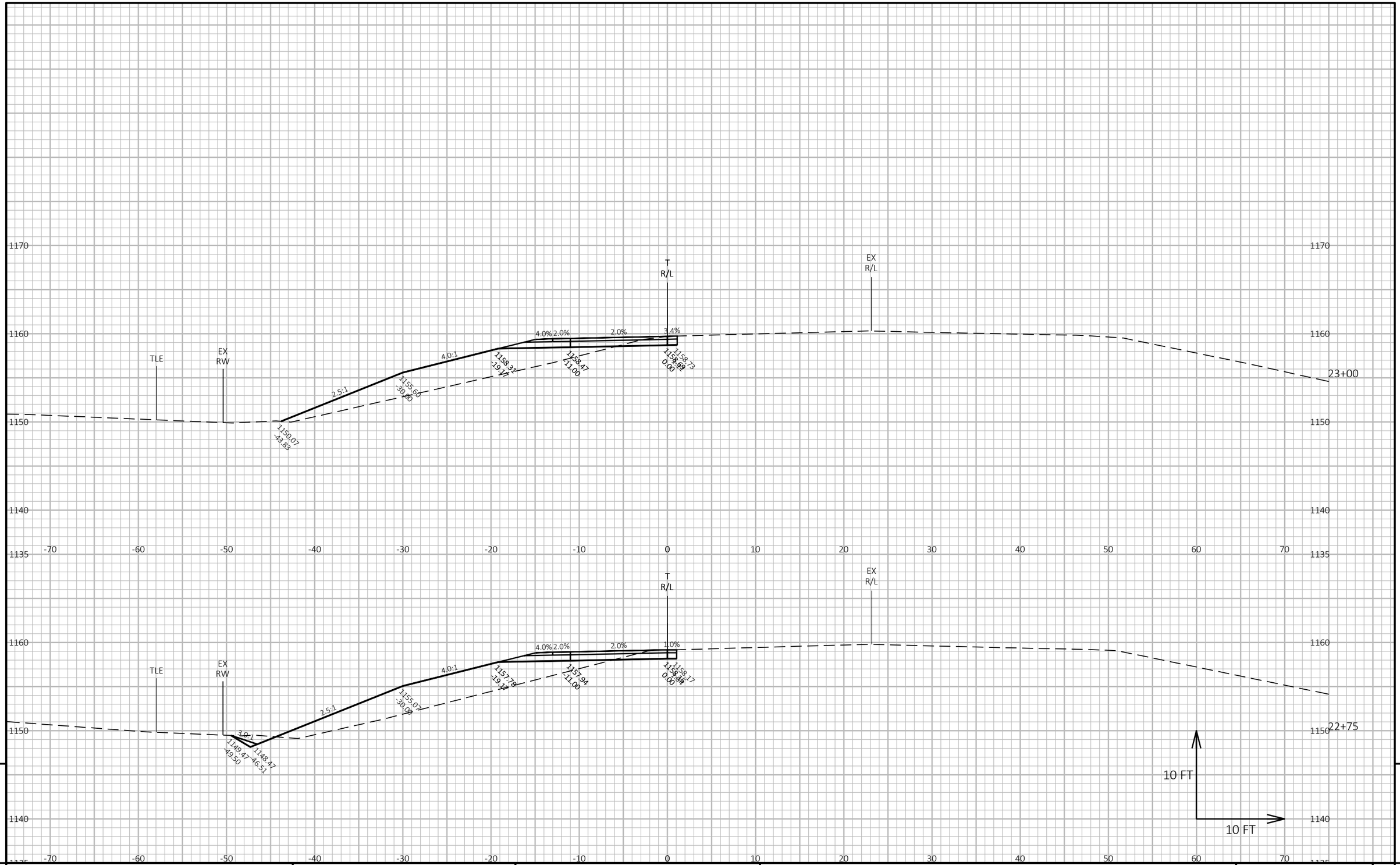
PLOT DATE : 1/31/2022 5:47 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

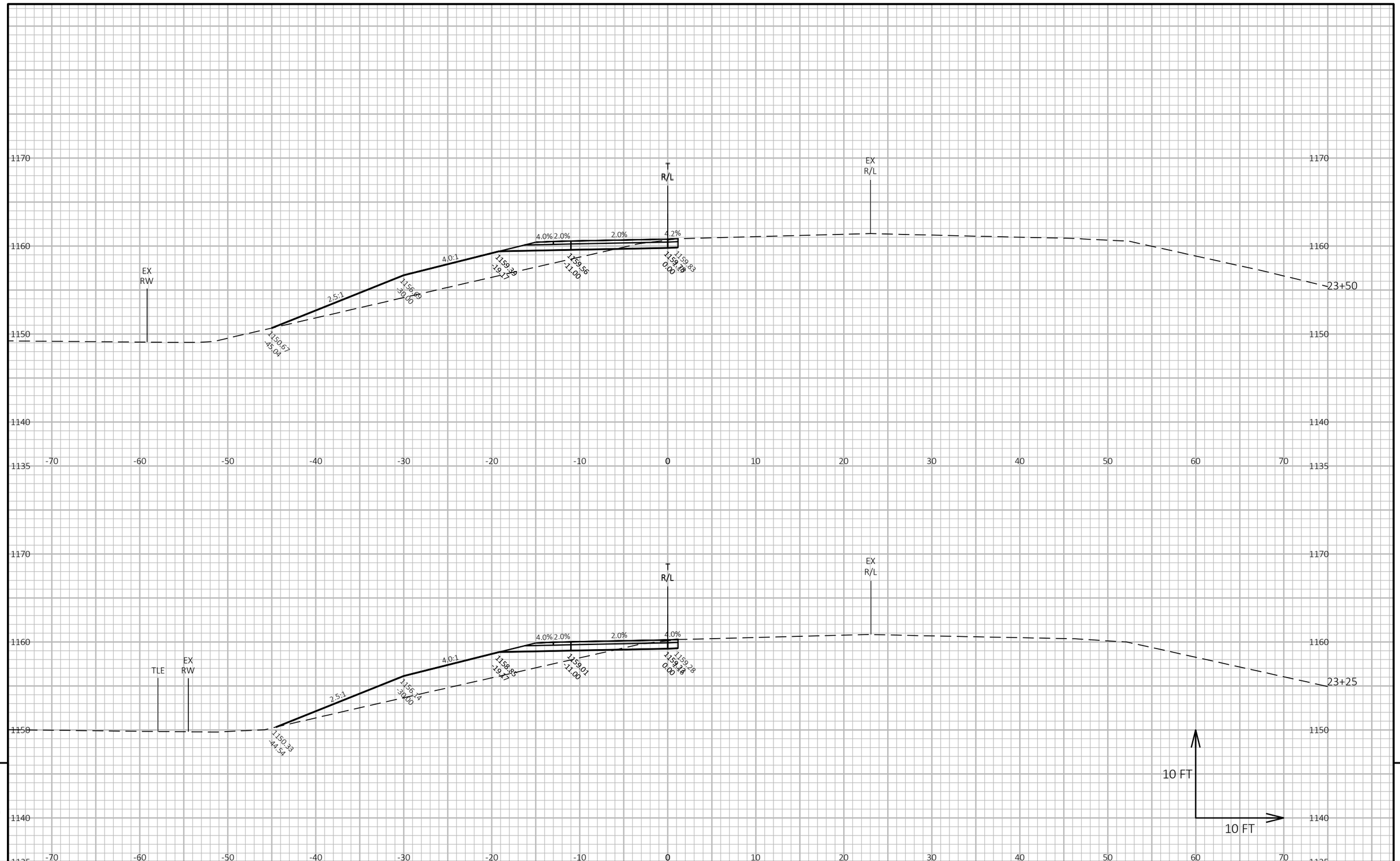
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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 340	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd23

PLOT DATE : 1/31/2022 5:47 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 341	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd24

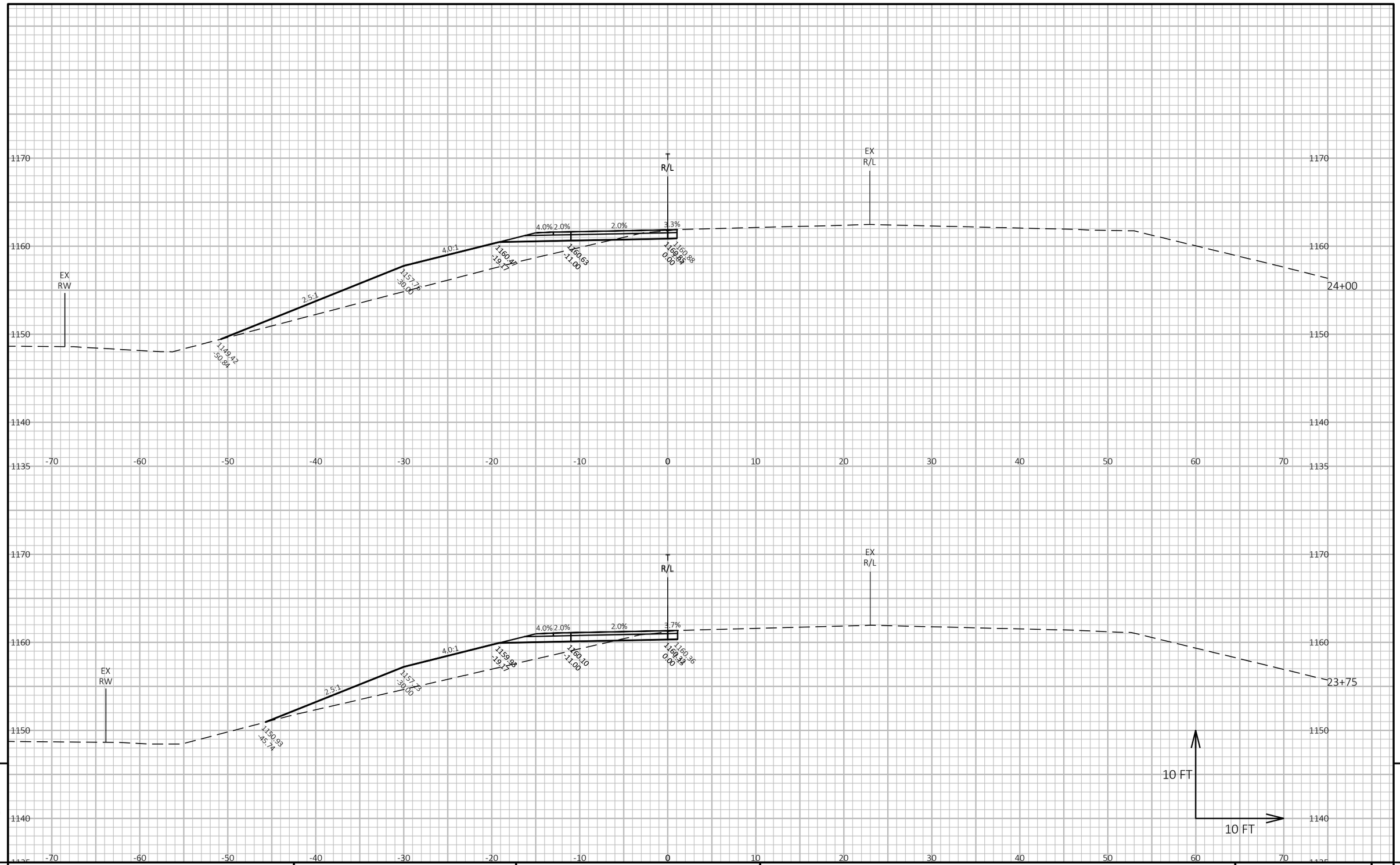
PLOT DATE : 1/31/2022 5:47 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 342	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd25

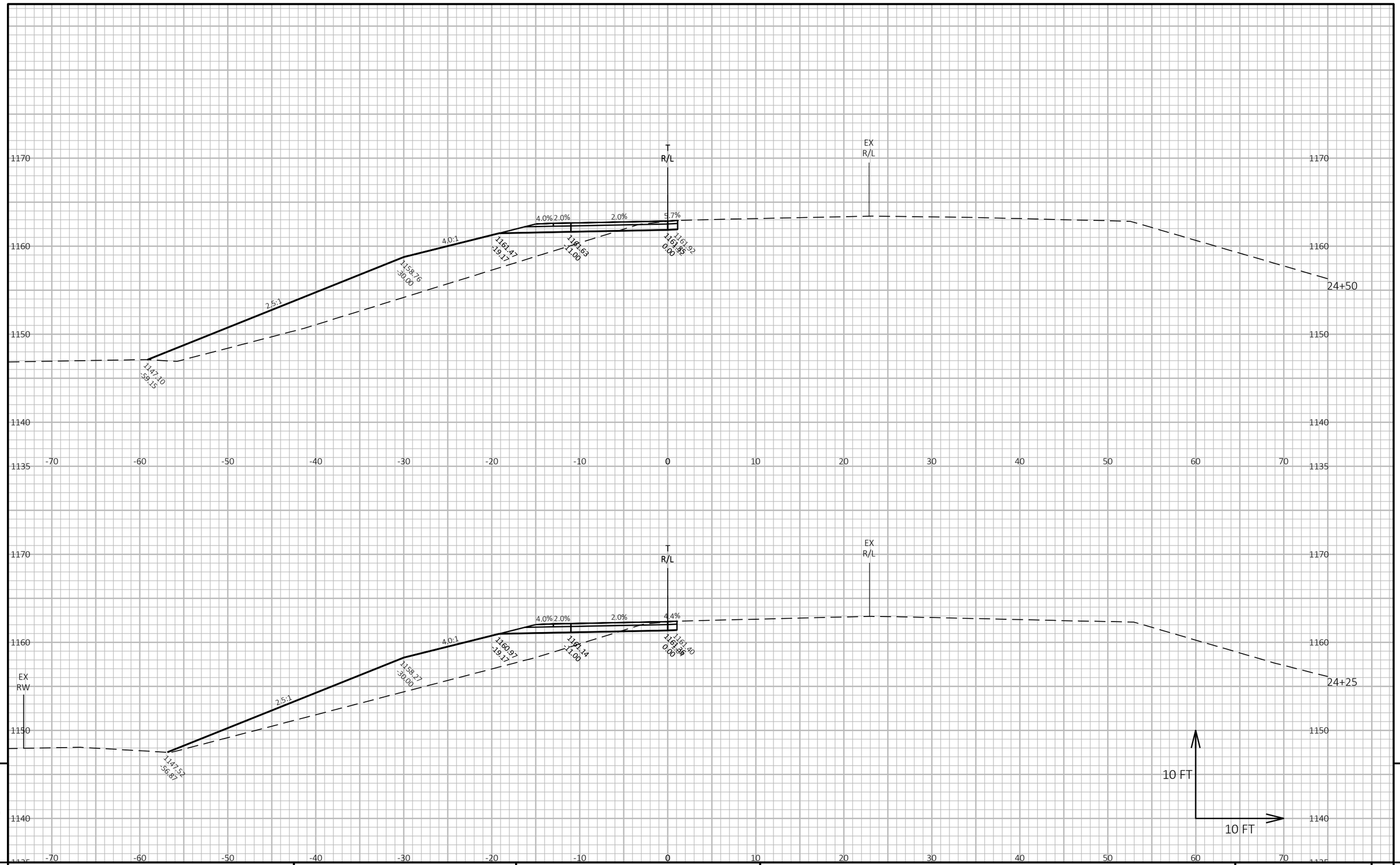
PLOT DATE : 1/31/2022 5:47 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 343	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd26

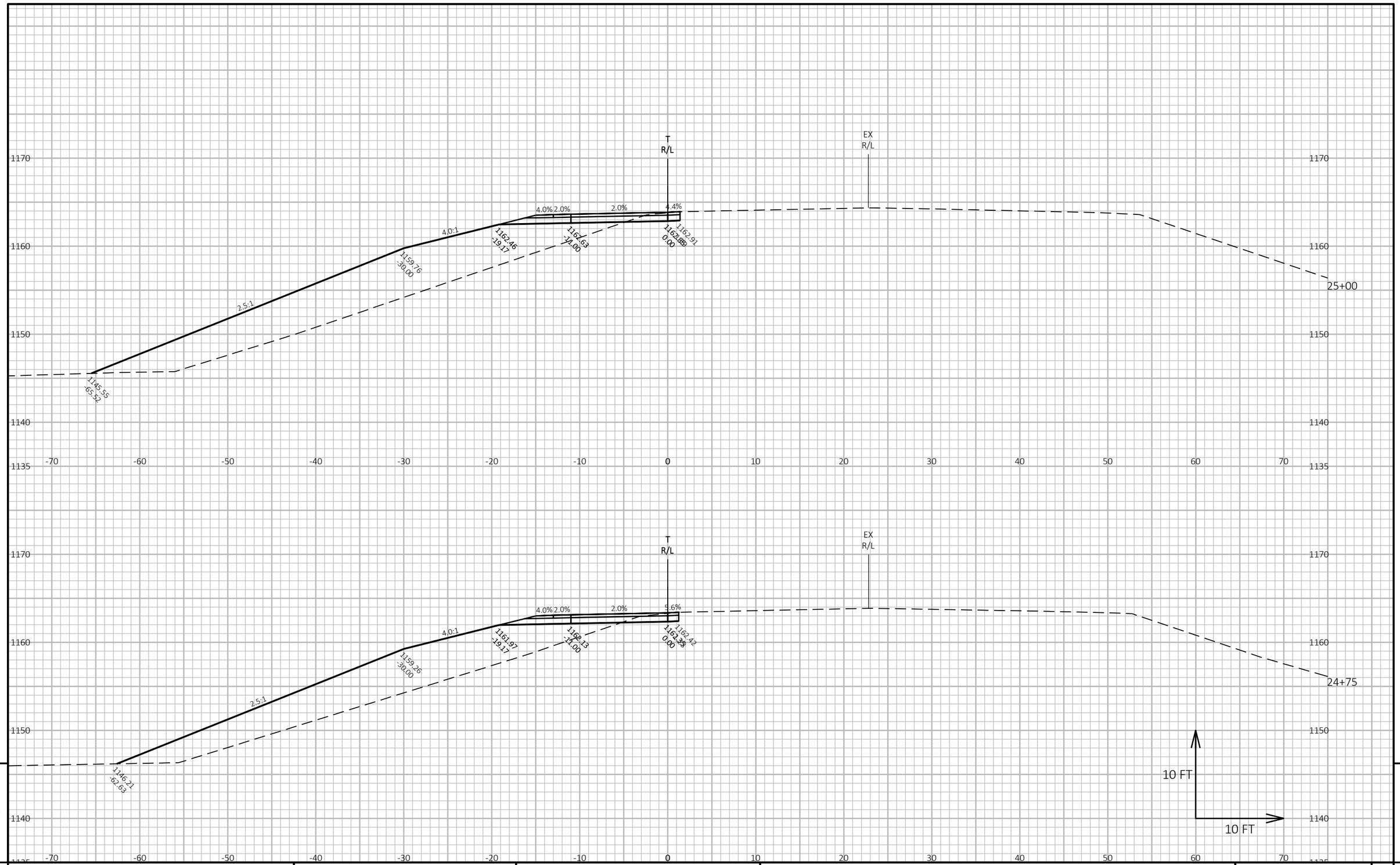
PLOT DATE : 1/31/2022 5:47 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 344	E

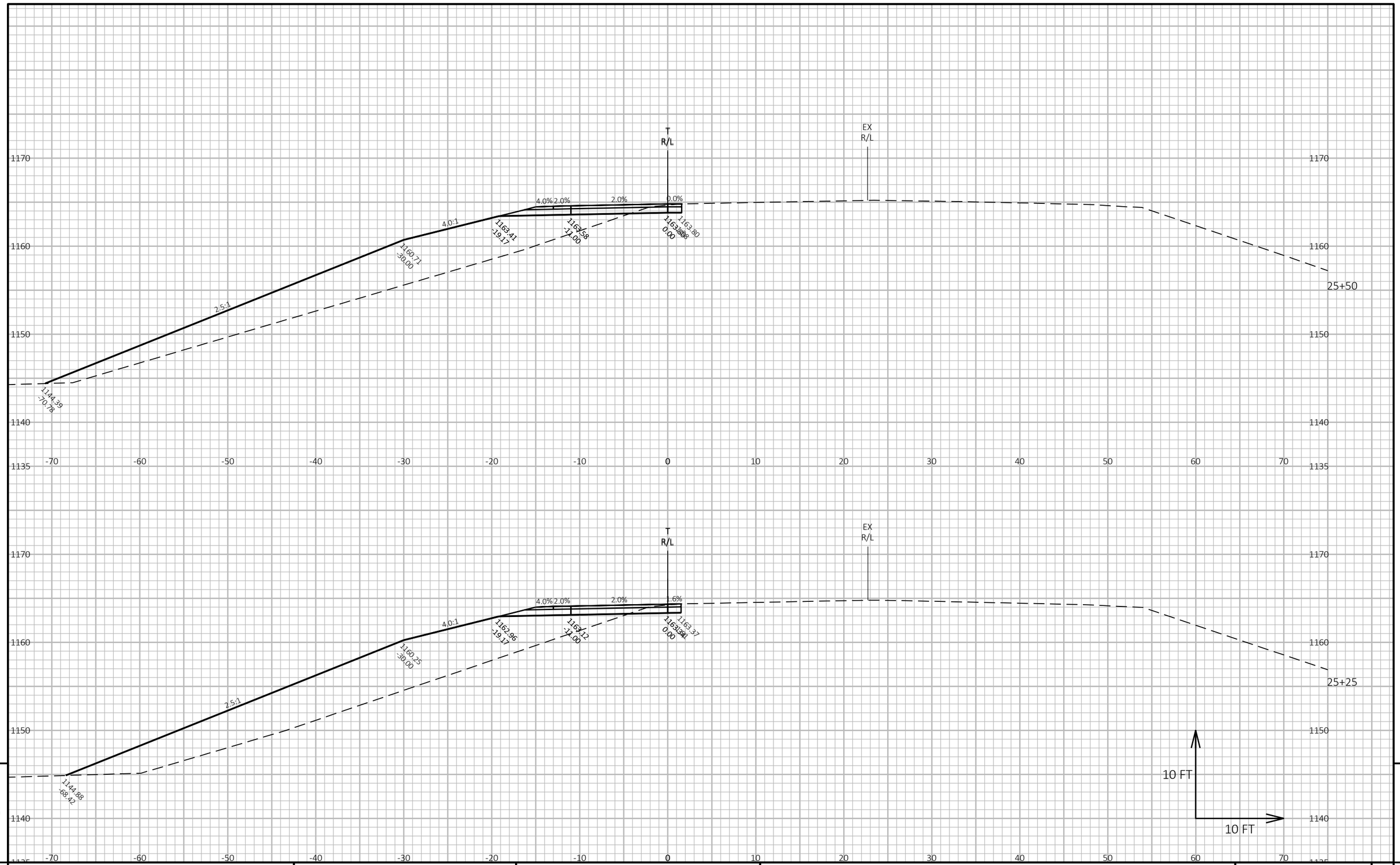
FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd27

PLOT DATE : 1/31/2022 5:47 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 345	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd28

PLOT DATE : 1/31/2022 5:47 PM

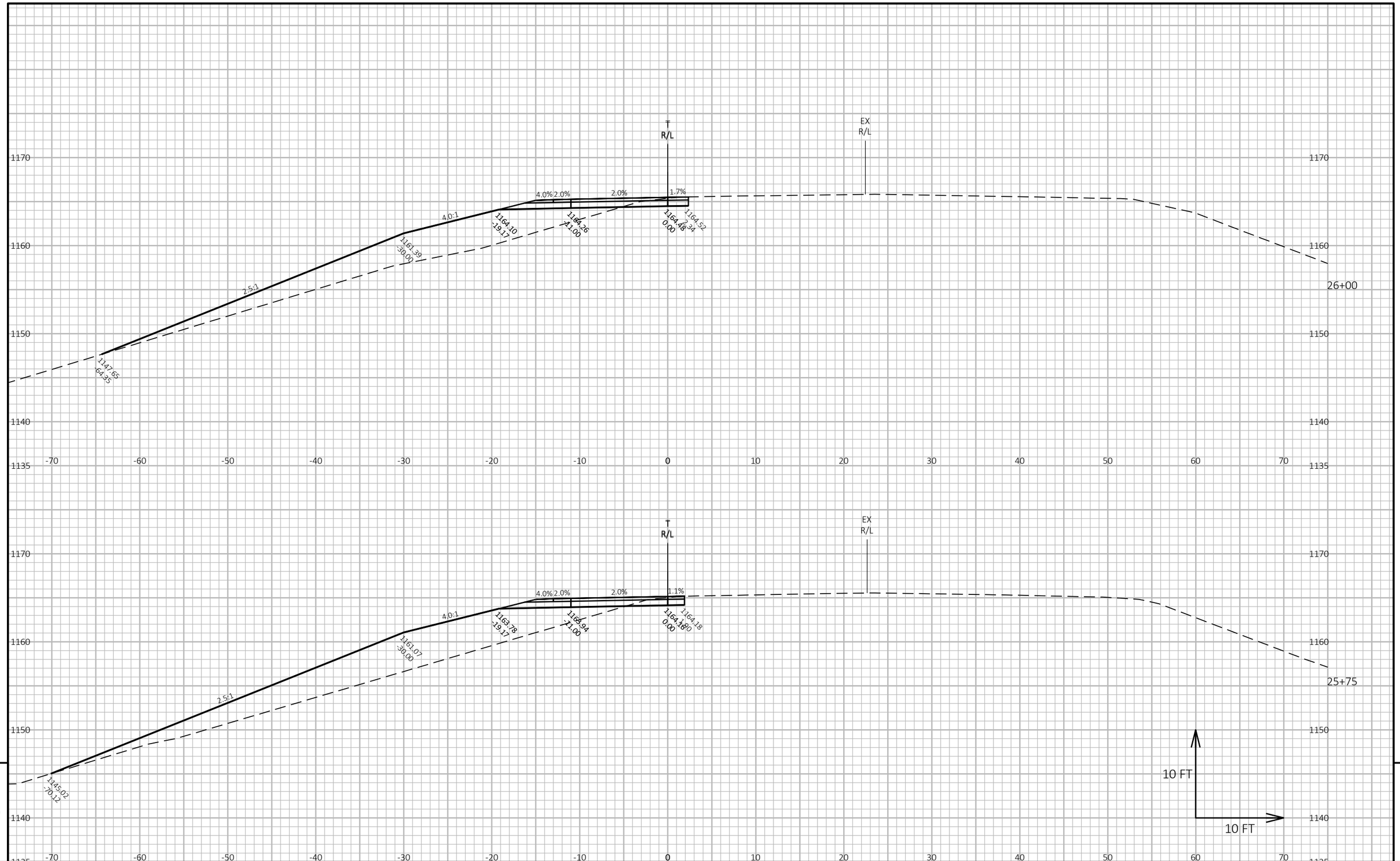
PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9



PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 346	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd29

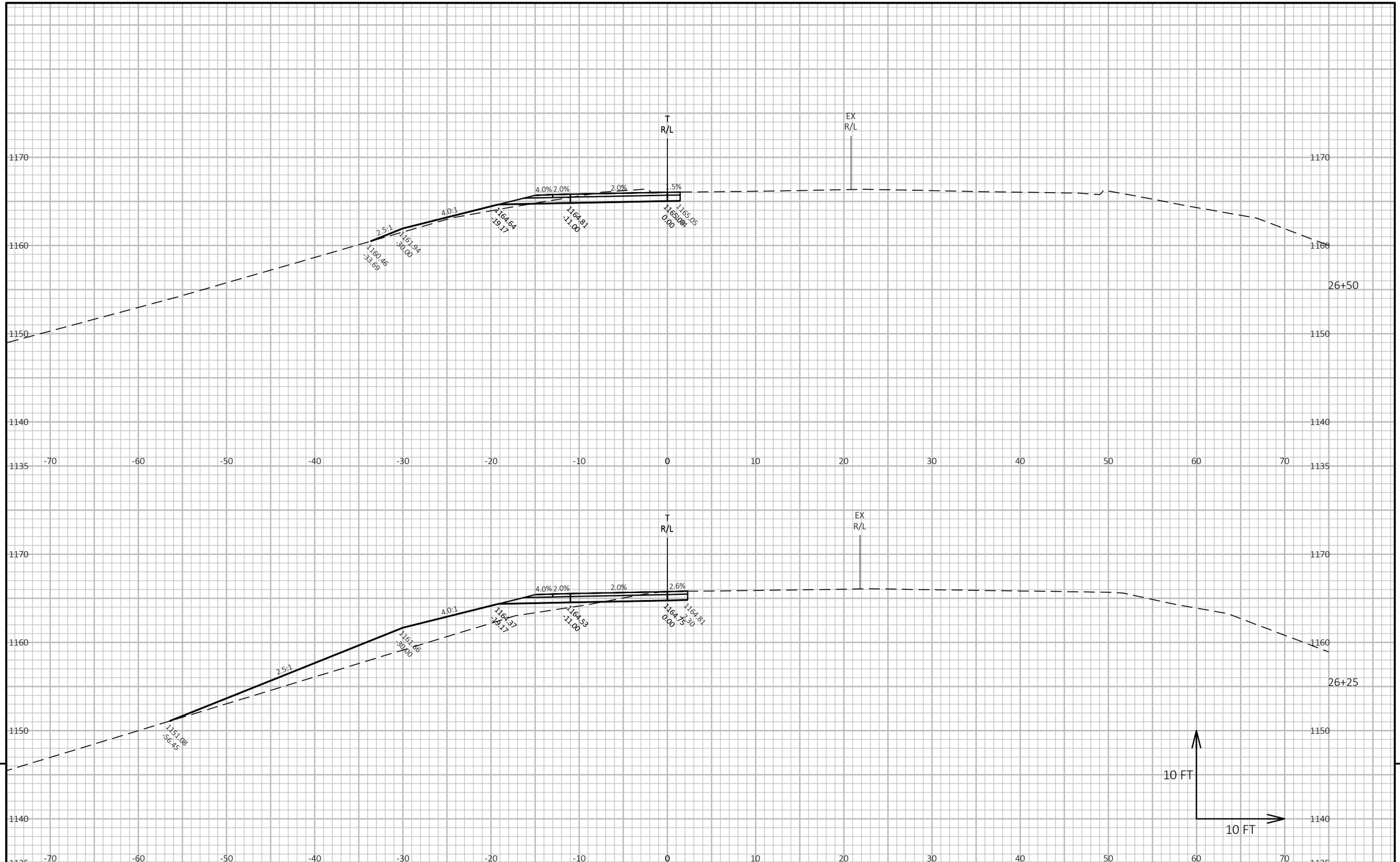
PLOT DATE : 1/31/2022 5:47 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 347	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd30

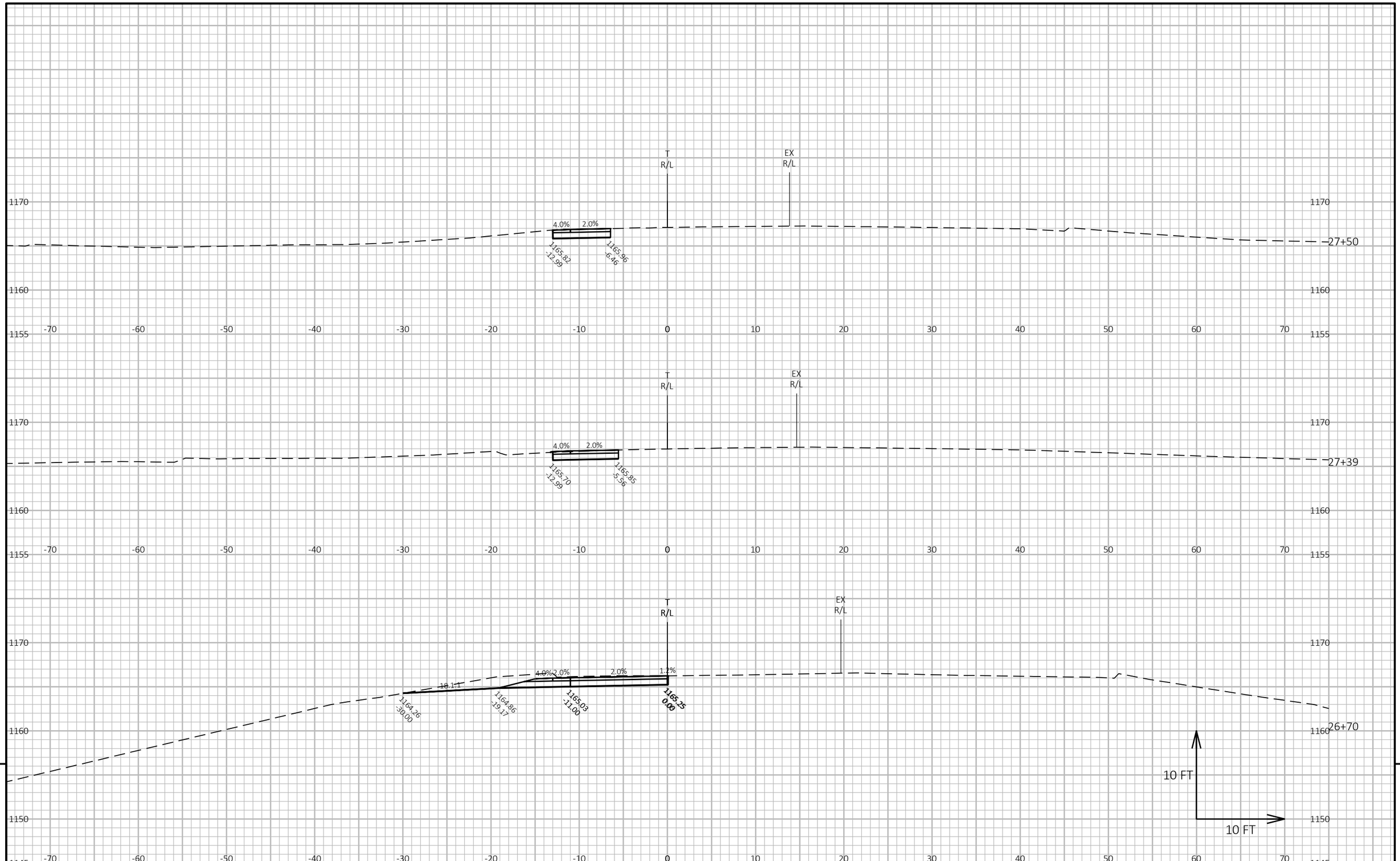
PLOT DATE : 1/31/2022 5:47 PM

PLOT BY : CHRISTIANSON, ERIN M

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

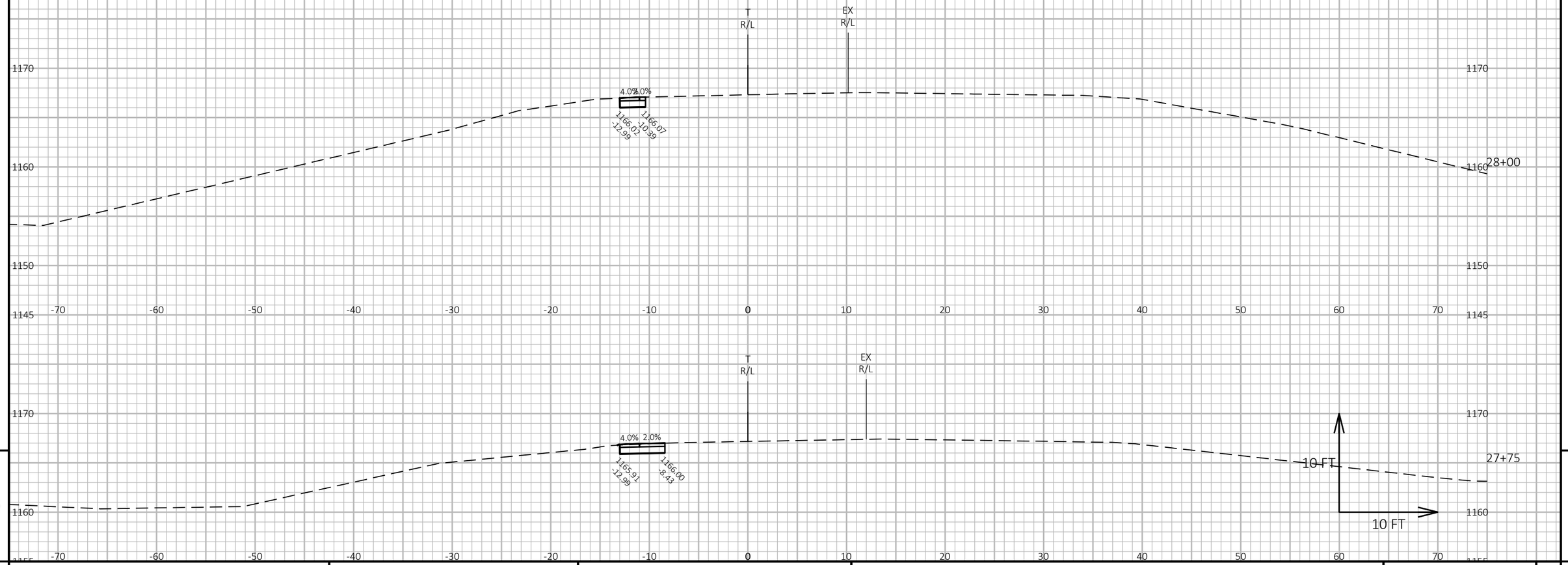
9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 348	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd31

PLOT DATE : 1/31/2022 5:47 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6610-04-70	HWY: STH 34	COUNTY: MARATHON	CROSS SECTIONS: TEMPORARY ROAD	SHEET 349	E

FILE NAME : N:\PDS\C3D\66100400\SHEETSPLAN\090106-TEMPRD_XS.DWG
LAYOUT NAME - TempRd32

PLOT DATE : 1/31/2022 5:47 PM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

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Wisconsin Department of Transportation

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