WIS

SEPTEMBER

PROJECT ID: 6140-01-71

WITH: N/A

COUNTY: ADAMS

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 = 296



N

DESIGN DESIGNATION

A.A.D.T.	2021	=	4,400
A.A.D.T.	2041	=	5,300
D.H.V.		=	927
D.D.		=	60/40
T.		=	23.3
DESIGN SPEED		=	55 MPH
ESALS		=	3,300,000

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

PLAN OF PROPOSED IMPROVEMENT

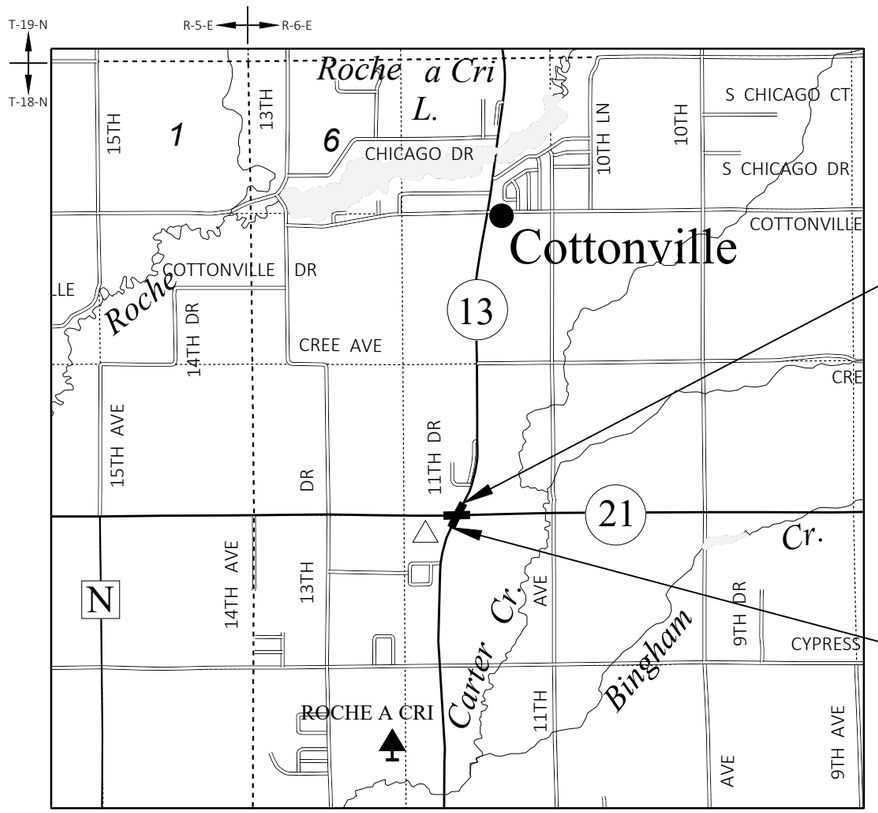
ADAMS - WISCONSIN RAPIDS

STH 13 AND STH 21 INTERSECTION

STH 13
ADAMS COUNTY

STATE PROJECT NUMBER
6140-01-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6140-01-71	WISC 2021483	1



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.490 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ADAMS 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.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NC REGION
Designer	J. MATERNOSKI
Project Manager	T. VERHAGEN
Regional Examiner	
Regional Supervisor	C. DEGRAVE

APPROVED FOR THE DEPARTMENT

DATE: 6/22/2021 Timothy Verhagen P.E., PTOE (Signature)

E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\010101-TI.DWG PLOT DATE : 6/22/2021 1:15 PM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

GENERAL NOTES

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

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

CURB AND GUTTER RADII ARE SHOWN TO THE FLANGE OF THE CURB.

ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THAT AREA BETWEEN THE SUBGRADE SHOULDER POINT, SHALL BE FERTILZED, SEEDED, AND MULCHED.

FLAGGING WILL BE REQUIRED FOR ANY SHOULDER WORK.

DNR LIASION

BRAD BETTHAUSER
DEPARTMENT OF NATURAL RESOURCES
473 GRIFFITH AVENUE
WISCONSIN RAPIDS, WI 54494
(715) 421-7851
BRAD.BETTHAUSER@WISCONSIN.GOV

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
PERMANENT SIGNING
PAVEMENT MARKING
DETOUR
TRAFFIC CONTROL
STAGE CONSTRUCTION
ALIGNMENT DETAIL

UTILITIES CONTACTS

ADAMS-COLUMBIA ELECTRIC COOPERATIVE (ELECTRICITY)
JOSH BERGER
401 EAST LAKE ST
FRIENDSHIP, WI 53934
(608) 547-1384 (CELL), (800) 831-8629 (WORK)
jberger@acecwi.com

FRONTIER COM OF WI (COMMUNICATIONS)
JERRY MOORE
2222 WEST WISCONSIN ST
PORTAGE, WI 53901
(920) 346-0353 (CELL), (608) 742-9507 (WORK)
Jerald.r.moore@ftr.com

WE ENERGIES (GAS)
LARRY KOCH
1921 8TH ST. SOUTH
WISCONSIN RAPIDS, WI 54494
(715) 421-9293 (CELL), (715) 421-7249 (WORK)
larry.koch@we-energies.com

WIN TECHNOLOGY (COMMUNICATIONS)
JOHN LOUIS
4955 BULLIS FARM RD
EAU CLAIRE, WI 54701
(715) 864-2918 (CELL), (715) 838-4012 (WORK)
john.louis@wintechnology.com

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	O-2	2-6	6 & OVER	O-2	2-6	6 & OVER	O-2	2-6	6 & OVER	O-2	2-6	6 & OVER
ROW CROPS	0.08 0.22	0.16 0.30	0.22 0.38	0.12 0.26	0.20 0.34	0.27 0.44	0.15 0.30	0.24 0.37	0.33 0.50	0.19 0.34	0.28 0.41	0.38 0.56
MEDIAN STRIP TURF	0.19 0.24	0.20 0.26	0.24 0.30	0.19 0.25	0.22 0.28	0.26 0.33	0.20 0.26	0.23 0.30	0.30 0.37	0.20 0.27	0.25 0.32	0.30 0.40
SIDE STRIP TURF			0.25 0.32			0.27 0.34			0.28 0.36			0.30 0.38
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 = 4.92 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.92 ACRES

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\020101-GN.DWG
LAYOUT NAME - 020101-gn
PLOT DATE : 4/15/2021 10:33 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

2

N

TOWN OF PRESTON

STH 13

STH 21

WAYSIDE

36'NB'+00

34'NB'+00

32'NB'+00

30'NB'+00

28'NB'+00

26'NB'+00

24'NB'+00

22'NB'+00

20'NB'+00

18'NB'+00

18'WA'+00

16'WA'+00

14'WA'+00

12'WA'+00

12'WS'+00

482'EB'+00

484'EB'+00

486'EB'+00

488'EB'+00

490'EB'+00

492'EB'+00

494'EB'+00

496'EB'+00

498'EB'+00

500'EB'+00

502'EB'+00

504'EB'+00

506'EB'+00

508'EB'+00

510'EB'+00

512'EB

END PROJECT
31'NB'+96.25
Y=240,414.354
X=533,051.748

BEGIN CONSTRUCTION
491'EB'+40.43

END CONSTRUCTION
500'EB'+59.11

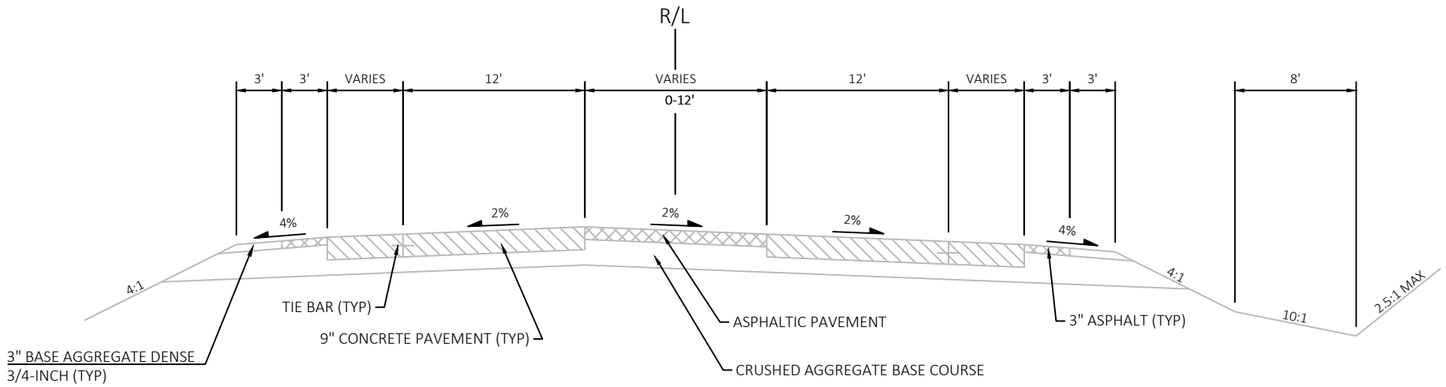
R/L STH 21

BEGIN PROJECT
22'NB'+41.89
Y=239,565.838
X=532,614.941

R/L STH 13

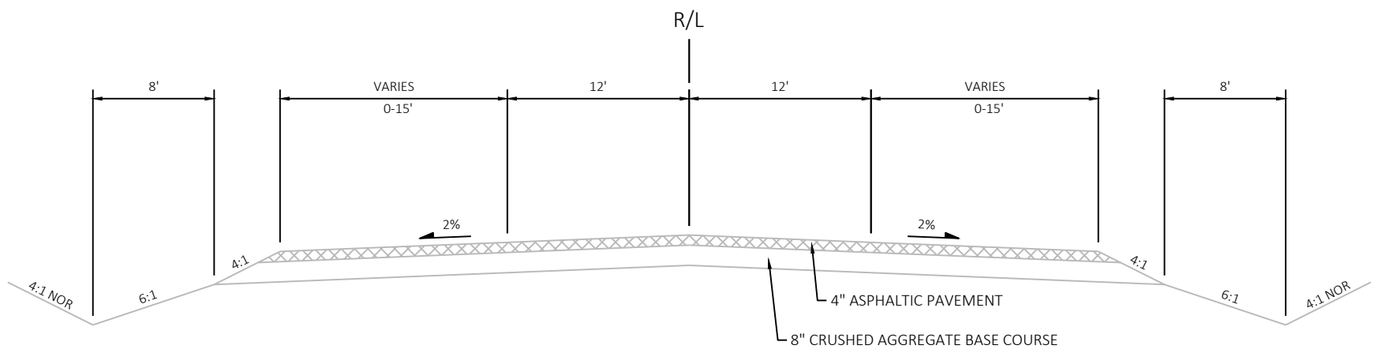
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PROJECT OVERVIEW	SHEET 3	E

2



EXISTING TYPICAL SECTION STH 13 & STH 21

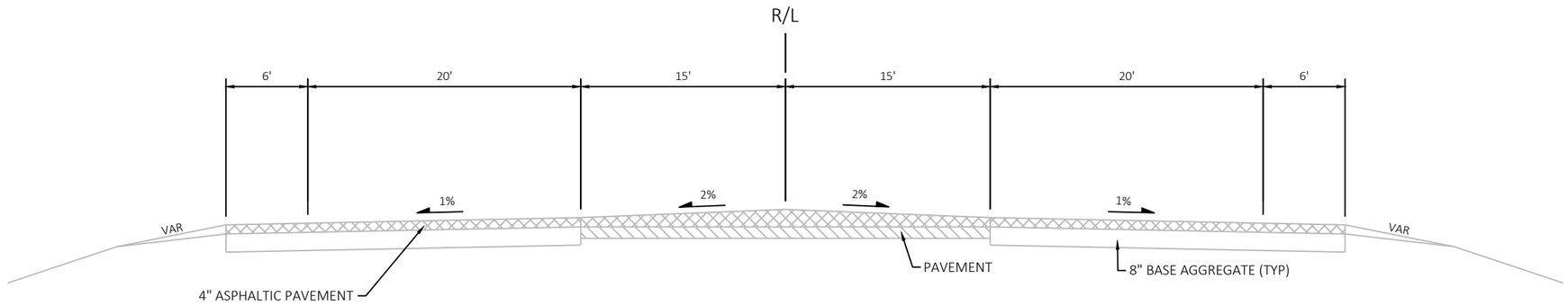
STA 22'NB'+92 TO STA 31'NB'+43
STA 492'EB'+01 TO STA 500'EB'+32



EXISTING TYPICAL SECTION WAYSIDE

STA 10'WA'+78 TO STA 17'WA'+85

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	TYPICAL SECTIONS	SHEET 4	E

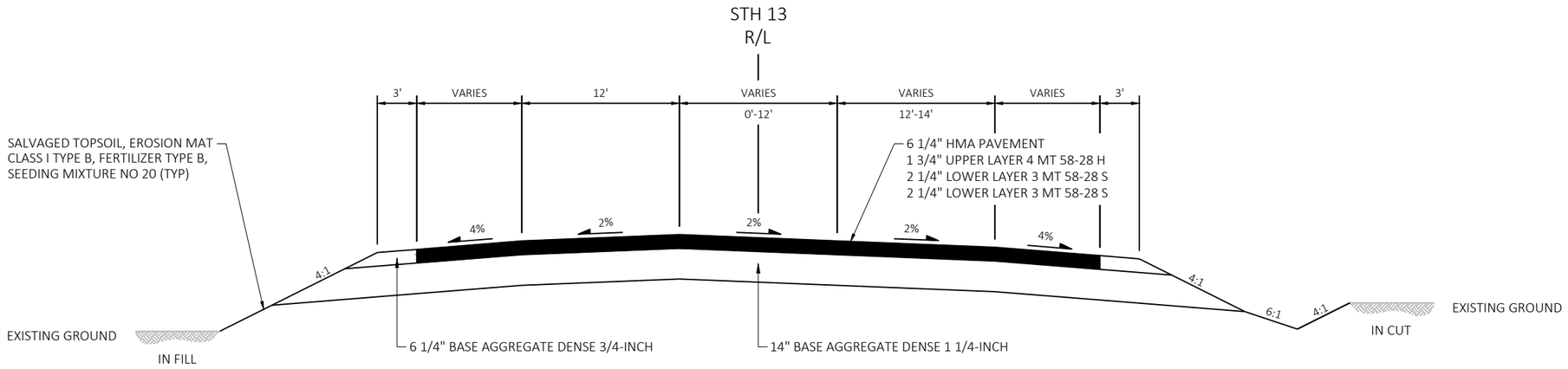


NOTE:
20' PARKING AREA AND 6' SIDEWALK FROM
STA 10'WS'+80 LT TO STA 11'WS'+90 LT AND
STA 10'WS'+80 RT TO STA 11'WS'+85 RT

RESURFACE EXISTING PAVEMENT ONLY:
STA 10'WS'+30 TO 10'WS'+80 AND
STA 11'WS'+90 LT TO 12'WS'+15 LT
STA 11'WS'+85 RT TO 12'WS'+15 RT

EXISTING TYPICAL SECTION WAYSIDE PARKING

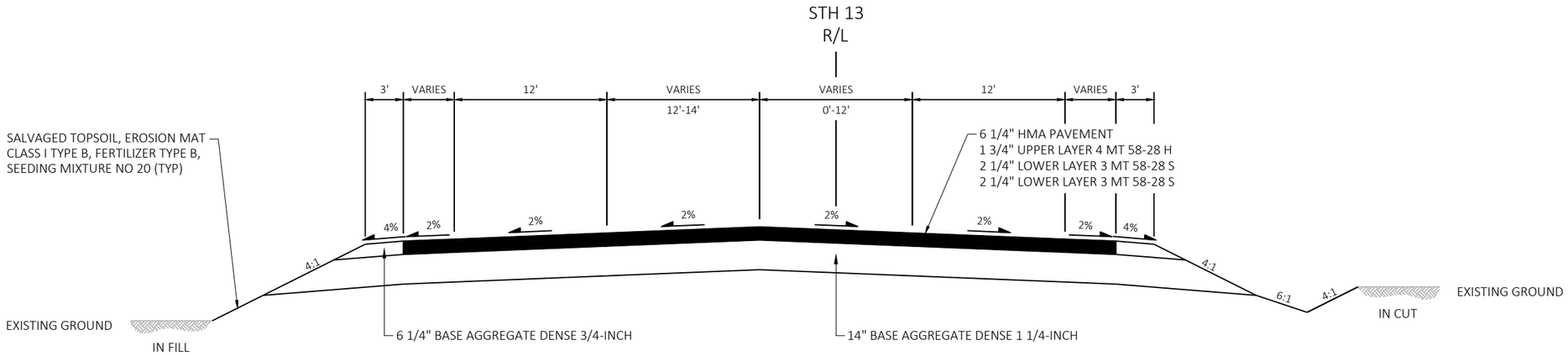
STA 10'WS'+00 TO STA 12'WS'+14



FINISHED TYPICAL SECTION STH 13

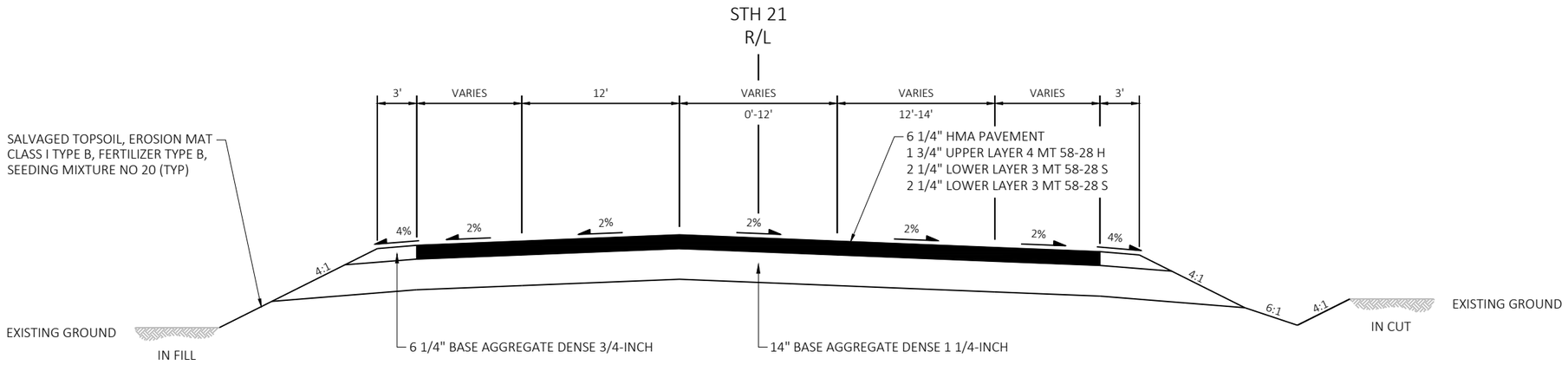
STA 22'NB'+42 TO STA 27'NB'+18

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	TYPICAL SECTIONS	SHEET 5	E



FINISHED TYPICAL SECTION STH 13

STA 27'NB'+18 TO STA 31'NB'+96

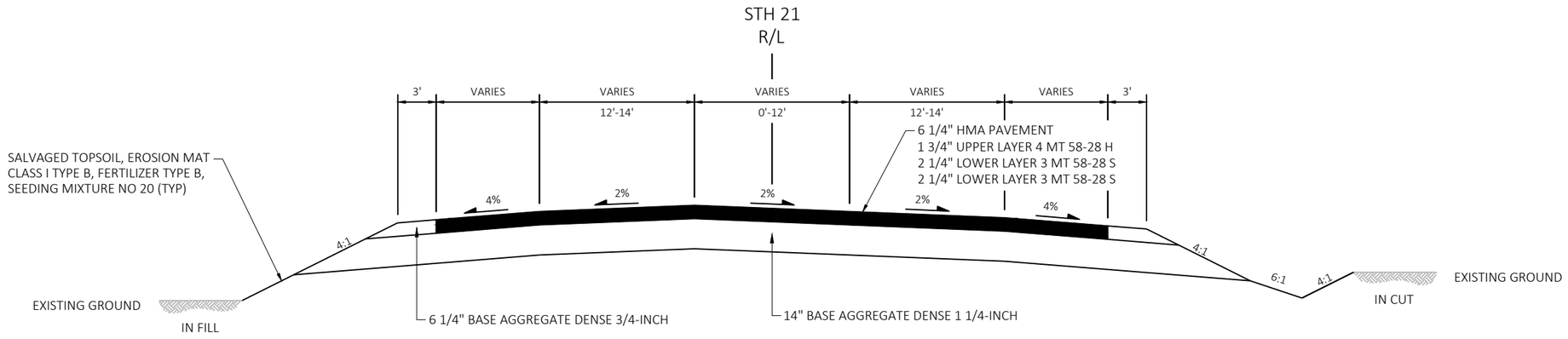


FINISHED TYPICAL SECTION STH 21

STA 491'EB'+40 TO STA 496'EB'+22

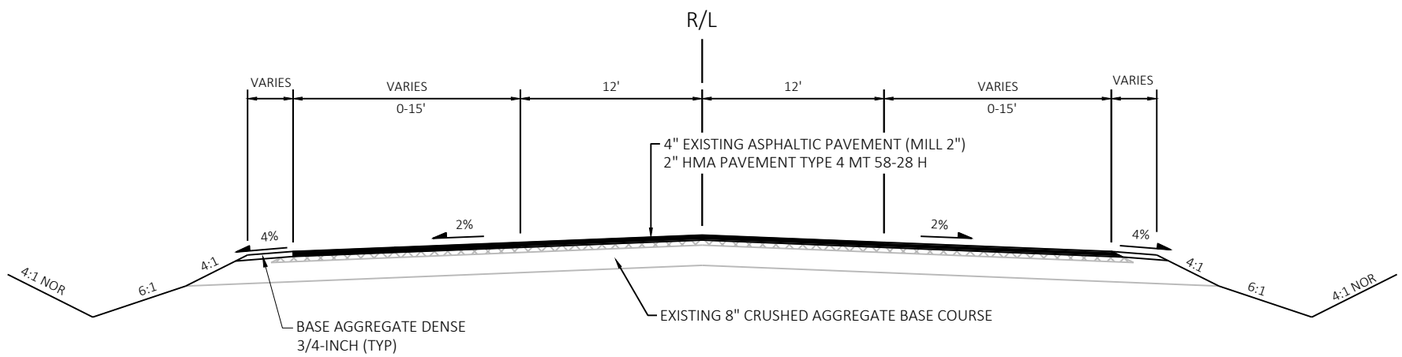
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	TYPICAL SECTIONS	SHEET 6	E

2



FINISHED TYPICAL SECTION STH 21

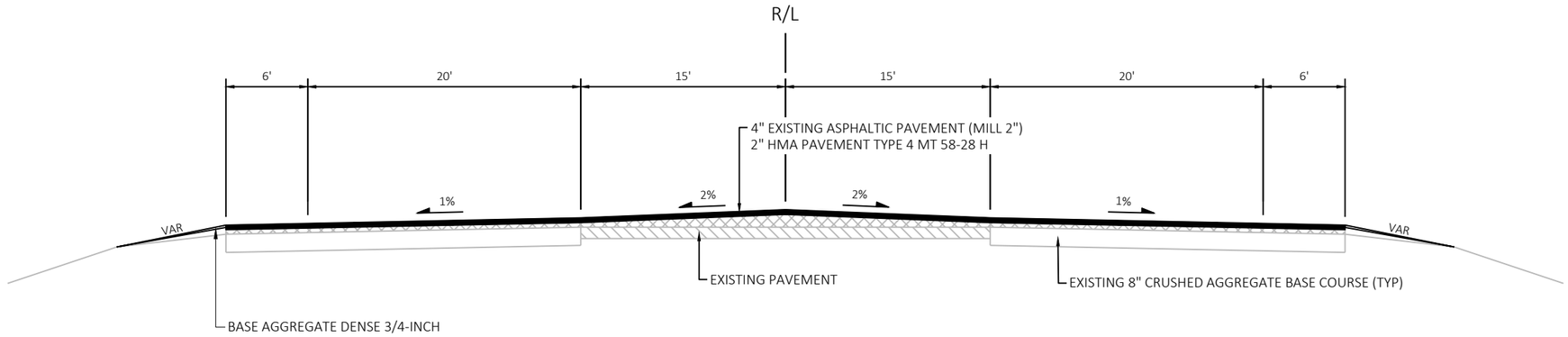
STA 496'EB'+22 TO STA 500'EB'+59



FINISHED TYPICAL SECTION WAYSIDE

STA 10'WA'+78 TO STA 17'WA'+85

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	TYPICAL SECTIONS	SHEET 7	E

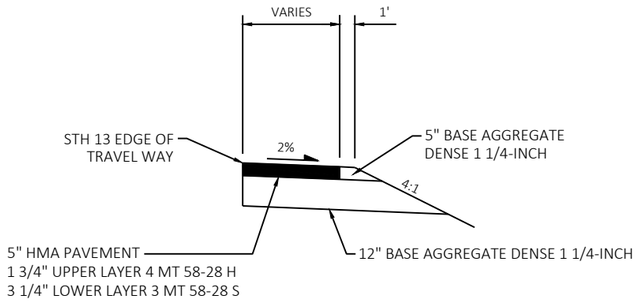


NOTE:
20' PARKING AREA AND 6' SIDEWALK FROM
STA 10'WS'+80 LT TO STA 11'WS'+90 LT AND
STA 10'WS'+80 RT TO STA 11'WS'+85 RT

RESURFACE EXISTING PAVEMENT ONLY:
STA 10'WS'+30 TO 10'WS'+80 AND
STA 11'WS'+90 LT TO 12'WS'+15 LT
STA 11'WS'+85 RT TO 12'WS'+15 RT

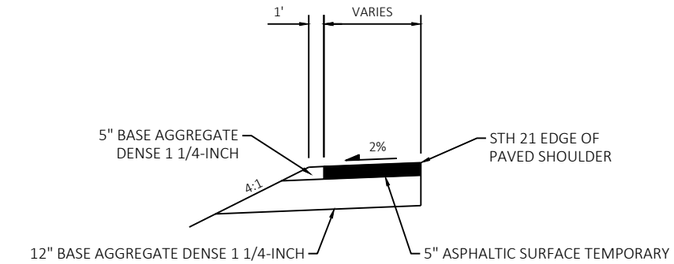
FINISHED TYPICAL SECTION WAYSIDE PARKING

STA 10'WS'+00 TO STA 12'WS'+14



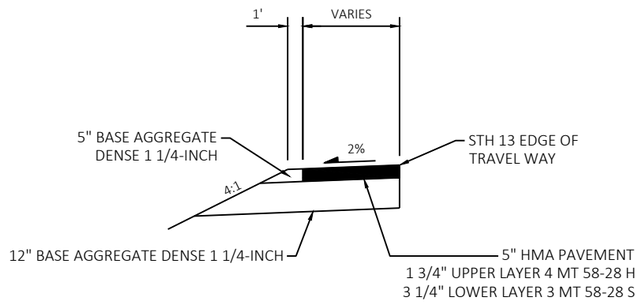
STH 13 STAGE 1 WIDENING

STA 29'NB'+17 TO STA 37'NB'+07



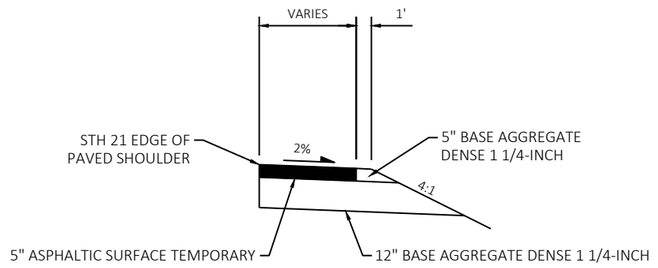
STH 21 STAGE 1 WIDENING

STA 492'EB'+89 TO STA 508'EB'+08



STH 13 STAGE 3 WIDENING

STA 31'NB'+96 TO STA 37'NB'+80

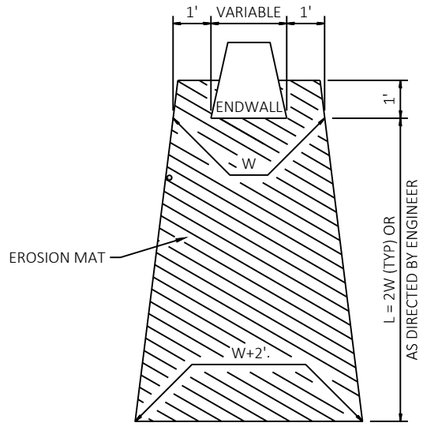


STH 21 STAGE 2 WIDENING

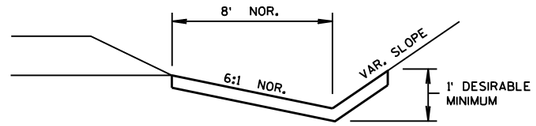
STA 502'EB'+00 TO STA 508'EB'+08

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	TYPICAL SECTIONS	SHEET 9	E

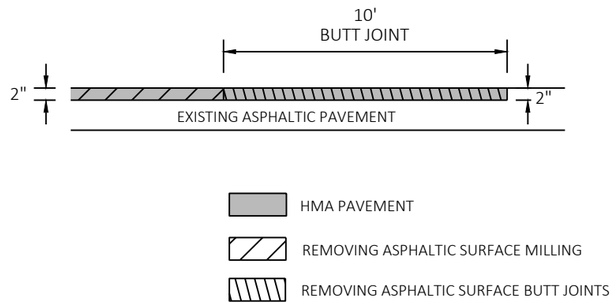
2



EROSION MAT TREATMENT AT CULVERTS

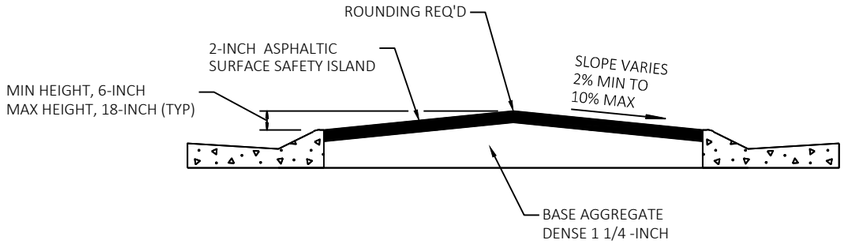


EROSION MAT DETAIL FOR DITCHES

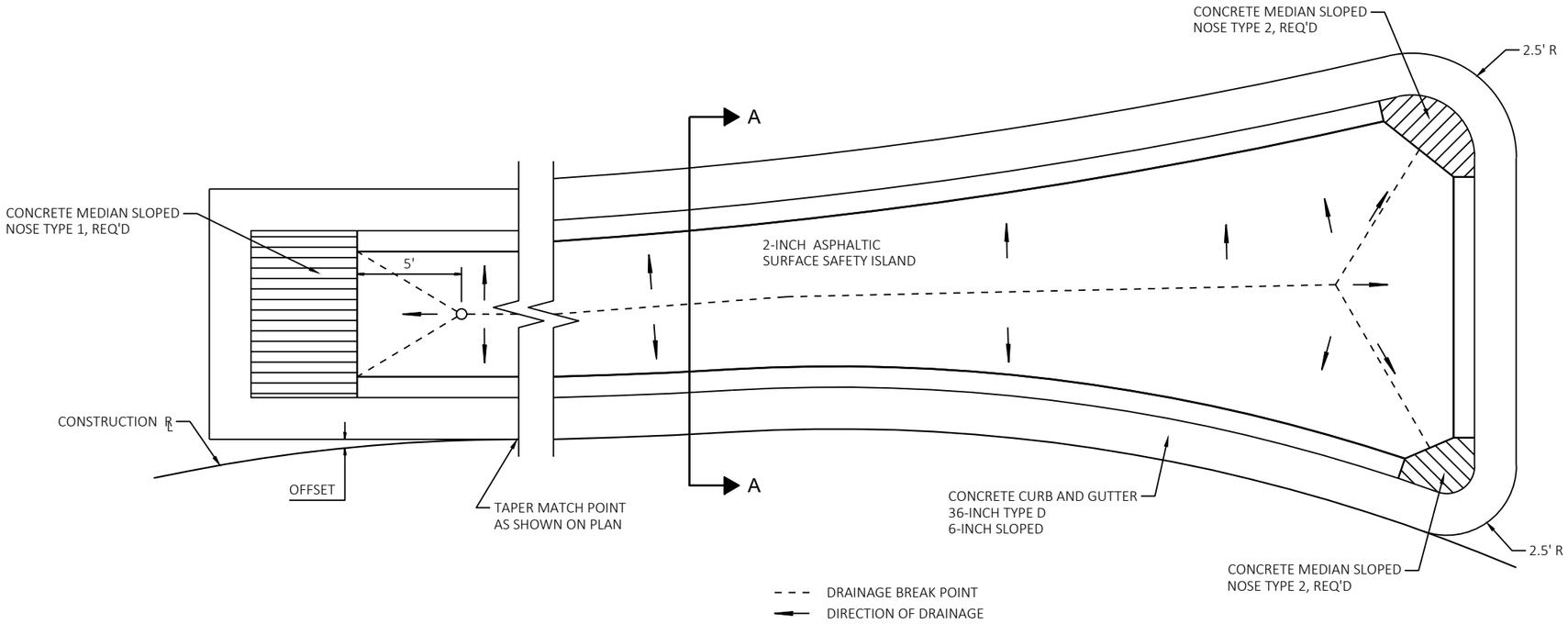


BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (MAINLINE AND SIDE ROADS)

2



SECTION A-A

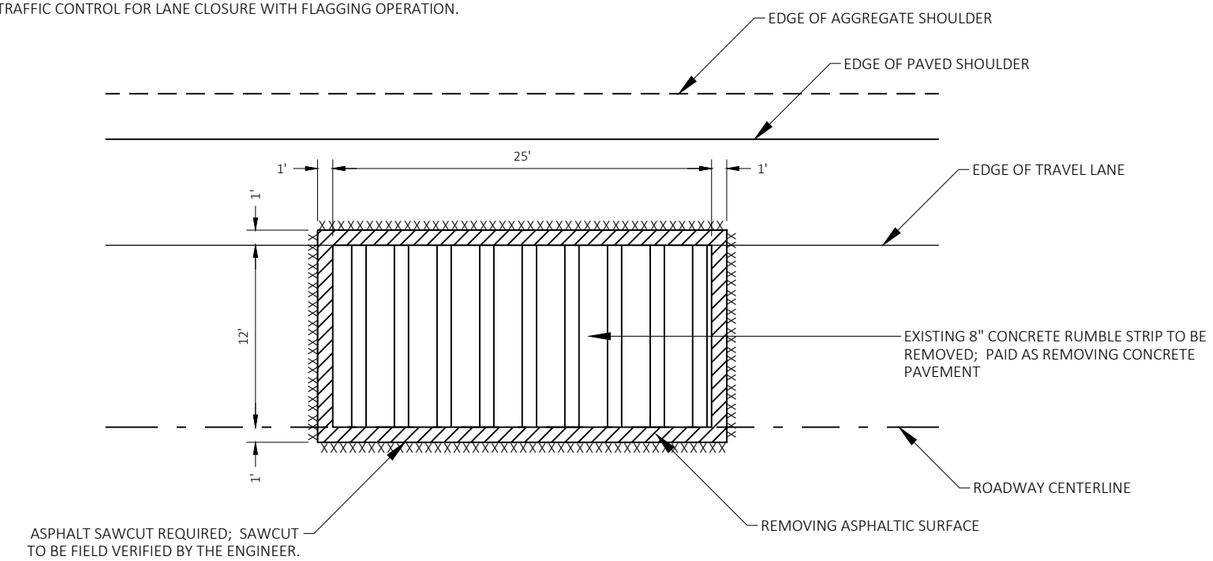


ASPHALT SPLITTER ISLAND DETAIL WITHOUT CROSSWALK

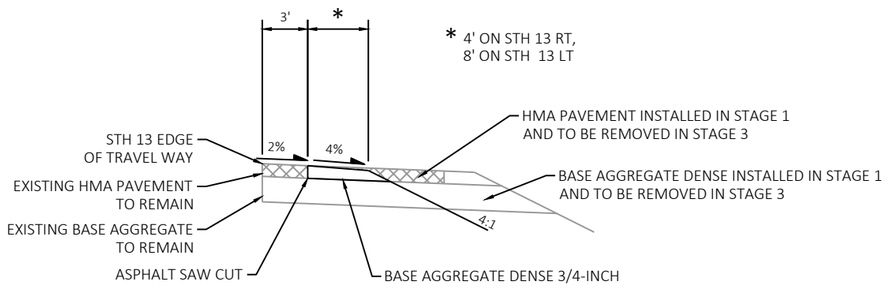
NOTE: RUMBLE STRIP TO BE REPLACED WITH 8" HMA PAVEMENT.

1 3/4" UPPER LAYER 4 MT 58-28 H
3" LOWER LAYER 3 MT 58-28 S
3 1/4" LOWER LAYER 3 MT 58-28 S

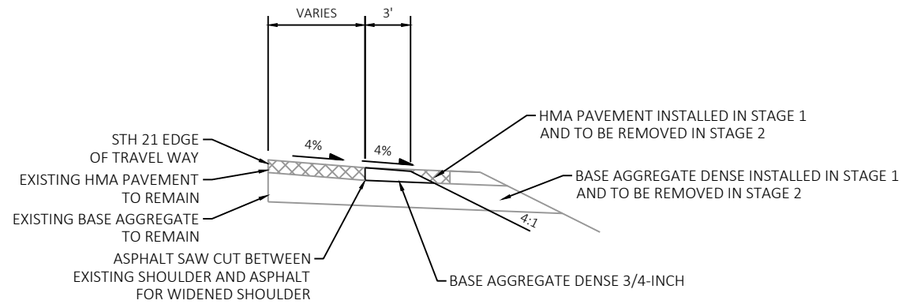
SEE SDD TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION.



REMOVING CONCRETE RUMBLE STRIPS



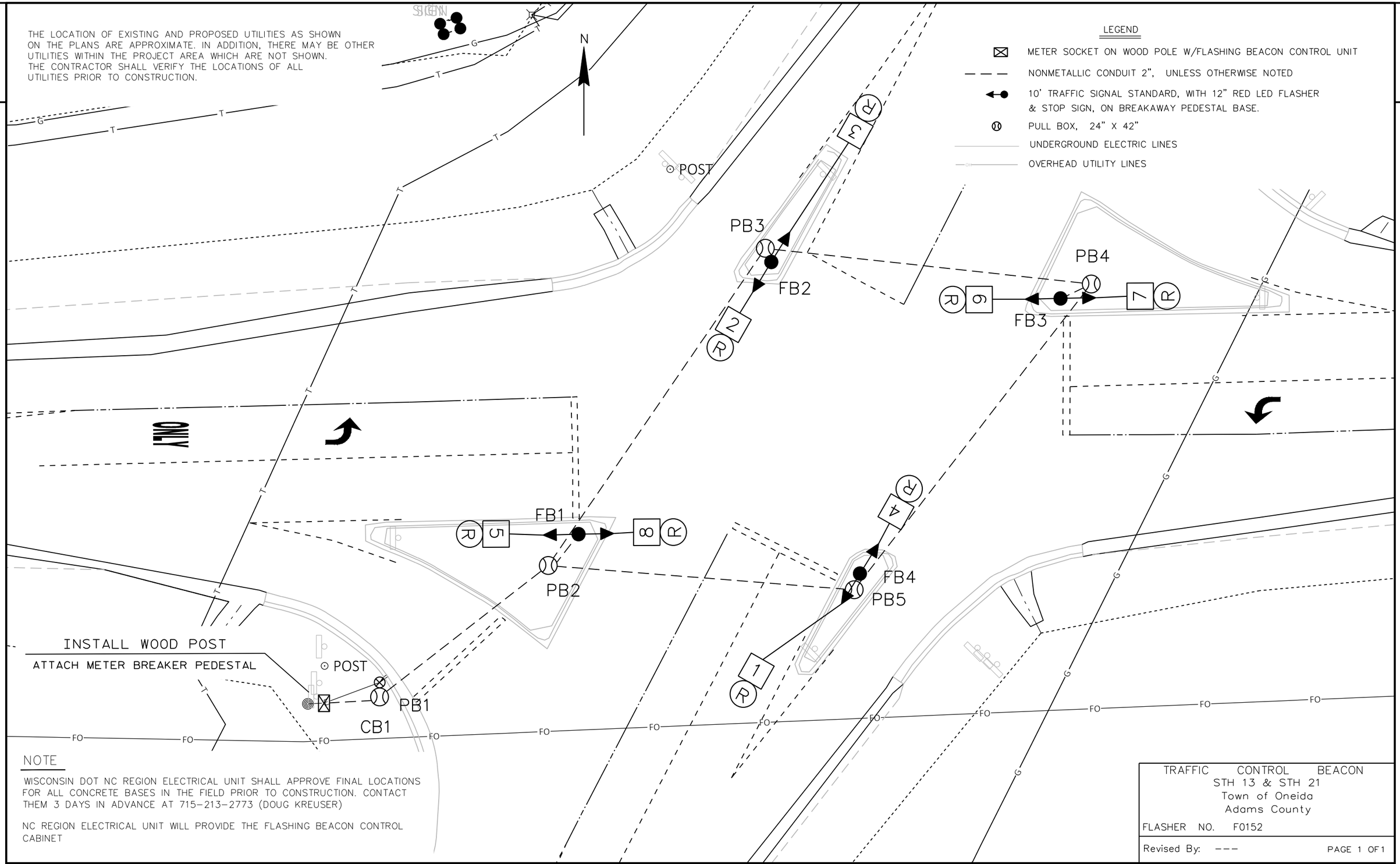
SECTION FOR REMOVING PAVED SHOULDER
IN STAGE 4 AND STAGE 5 ON STH 13



SECTION FOR REMOVING PAVED SHOULDER
IN STAGE 4 AND STAGE 5 ON STH 21

2

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN addition, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



NOTE

WISCONSIN DOT NC REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT 715-213-2773 (DOUG KREUSER)

NC REGION ELECTRICAL UNIT WILL PROVIDE THE FLASHING BEACON CONTROL CABINET

TRAFFIC CONTROL BEACON
STH 13 & STH 21
Town of Oneida
Adams County

FLASHER NO. F0152

Revised By: ---

PAGE 1 OF 1

PROJECT NO: 6140-01-71	HWY: 21	COUNTY: ADAMS	CONSTRUCTION DETAIL - RED FLASHING BEACON	SHEET 13	E

FILE NAME : F:\D3_TRAFFI\F0152 (STH 13 & STH 21)(NCR)\F0152 (STH 13 & STH 21)(NCR)2.0.DWG PLOT DATE : 10/21/2020 11:49 AM PLOT BY : TALCOTT, MATTHEW J PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

N

6'

11'

12'

22+84.24
-23.00' LT

24+82.14
-15.72' LT

R/L STH 13

STH 13

23'NB'+00

24'NB'+00

25'NB'+00

22+91.41
0.00'

22+91.21
12.00' RT

22+90.96
23.00' RT

25+13.03
19.39' RT

11'

4'

BEGIN PROJECT
22'NB'+41.89
Y=239,565.838
X=532,614.941

MATCH LINE 25+50

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN DETAILS: STH 13	SHEET 14	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-pd
PLOT DATE : 4/15/2021 10:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

25+78.91
-80.00' LT
RAD TO FLANGE

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

26+44.91
-80.43' LT
968.51

26+50.17
-81.78' LT
968.63

16'

CONCRETE SURFACE
DRAIN

967.99

R50.00'

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

REVERSE SLOPE
GUTTER

26+71.22
-34.09' LT
RAD TO FLANGE

26+49.41
-32.67' LT
RAD TO FLANGE

968.89

968.72

968.83

968.94

R4.50'

R4.50'

25+86.47
-30.58' LT
968.50

25+55.62
-28.33' LT

STH 21

R/L STH 21

496'EB'+00

27+54.87
-97.73' LT
RAD TO FLANGE

N

27+15.09
-67.44' LT
968.78

CONCRETE SURFACE
DRAIN

R50.00'

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

968.54

27+45.69
-48.58' LT
968.69

969.00

R4.50'

REVERSE SLOPE
GUTTER

16'

27+41.45
-28.52' LT
RAD TO FLANGE

969.18

27+43.23
-24.50' LT
RAD TO FLANGE

969.29

969.44

R4.50'

27+77.55
-26.35' LT
969.14

27+76.96
-20.00' LT
969.27

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

28+19.84
-36.77' LT

28+39.88
-31.00' LT

R/L STH 13

STH 13

26'NB'+00

27'NB'+00

28'NB'+00

STH 13

MATCH LINE 25+50

MATCH LINE 28+56

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

26+62.16
20.00' RT
968.79

968.94

R4.50'

968.89

26+93.38
24.50' RT
RAD TO FLANGE

968.81

26+95.30
28.39' RT
RAD TO FLANGE

968.65

R4.50'

26+61.55
26.32' RT
968.72

4'

26+73.64
45.01' RT
968.39

16'

REVERSE SLOPE GUTTER

26+90.76
48.39' RT
968.30

968.21

R50.00'

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

27+21.00
67.34' RT
968.32

CONCRETE SURFACE
DRAIN

26+81.08
97.44' RT
RAD TO FLANGE

497'EB'+00

STH 21

R4.50'

968.84

968.73

R4.50'

968.89

968.69

27+87.66
32.67' RT
RAD TO FLANGE

27+64.65
34.23' RT
RAD TO FLANGE

REVERSE SLOPE
GUTTER

28+48.16
31.01' RT
968.75

R50.00'

967.90

CONCRETE SURFACE
DRAIN

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

16'

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

27+86.90
84.10' RT
968.62

27+92.16
82.75' RT
968.49

28+58.16
80.00' RT
RAD TO FLANGE

28+11.50
97.95' RT
968.32
END OF RAD

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN DETAILS: STH 13	SHEET 15	E

2

2

N

MATCH LINE 28+56

MATCH LINE 31+64

1'

5'

30+21.30
-32.58' LT

30+21.00
-27.58' LT

R/L STH 13

STH 13

29'NB'+00

30'NB'+00

31'NB'+00

31+43.83
15.00' RT

31+43.79
12.00' RT

29+48.16
16.86' RT

29+27.76
20.37' RT

3'

4'

28+58.16
80.00' RT
RADIUS PT

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN DETAILS: STH 13	SHEET 16	E

2

2

MATCH LINE 31+64

31+96.01
-15.01' LT

31+70.72
-12.52' LT

32+46.33
-14.00' LT

R/L STH 13

32'NB'+00

33'NB'+00

STH 13

34'NB'+00

END PROJECT
31'NB'+96.25
Y=240,414.354
X=533,051.748

N

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN DETAILS: STH 13	SHEET 17	E

2

2

N

POST

POST

FN:

POST

4'

492+81.10
-14.01' LT

BEGIN CONSTRUCTION
491'EB'+40.43

R/L STH 21

STH 21

492'EB'+00

493'EB'+00

494'EB'+00

492+00.92
0.00'

492+41.14
12.91' RT

492+24.42
15.54' RT

493+49.07
15.35' RT

493+77.18
18.99' RT

3%

3%

493+58.29
18.56' RT

MATCH LINE 494+47

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN DETAILS: STH 21	SHEET 18	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\021205-PD.DWG
LAYOUT NAME - 021205-pd

PLOT DATE : 4/15/2021 10:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

N

27+54.87
-97.73' LT
RAD TO FLANGE

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

REVERSE SLOPE
GUTTER

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

27+77.55
-26.35' LT
969.14

27+76.96
-20.00' LT
969.27

16'

CONCRETE SURFACE
DRAIN

27+45.69
-48.58' LT
968.69

968.54

R4.50'

969.09

27+41.45
-28.52' LT
RAD TO FLANGE

969.18

969.29

969.44

R4.50'

27+43.23
-24.50' LT
RAD TO FLANGE

27+15.09
-67.44' LT
968.78

R50.00'

494+99.15
-24.00' LT

494+61.32
-18.50' LT

STH 21

495'EB'+00

496'EB'+00

497'EB'+00

STH 21

R/L STH 21

R/L STH 13

28'NB'+00

STH 13

28+48.16
31.01' RT
968.75
END OF RAD

28+58.16
80.00' RT
RAD TO FLANGE

R50.00'

CONCRETE SURFACE
DRAIN

967.90

CONCRETE CURB &
GUTTER 6-INCH SLOPED
36-INCH TYPE D

R4.50'

968.69

968.73

REVERSE SLOPE
GUTTER

27+87.66
32.67' RT
RAD TO FLANGE

16'

28+11.50
97.95' RT
968.32
END OF RAD

27+64.65
34.23' RT
RAD TO FLANGE

27+92.16
82.75' RT
968.49

968.84

R4.50'

968.89

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

27+86.90
84.10' RT
968.62

MATCH LINE 494+47

MATCH LINE 497+52

26+50.17
-81.78' LT
968.63

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

968.89

R4.50'

968.94

26+44.91
-80.43' LT
968.51

26+71.22
-34.09' LT
RAD TO FLANGE

26+25.46
-98.25' LT
968.38

16'

RAD TO FLANGE
26+49.41
-32.67' LT

REVERSE SLOPE
GUTTER

968.72

968.83

R4.50'

967.99

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

CONCRETE SURFACE
DRAIN

R50.00'

25+78.91
-80.00' LT
RAD TO FLANGE

25+86.47
-30.58' LT
968.50
END OF RAD

STH 13

27'NB'+00

968.89

RAD TO FLANGE
26+93.38
24.50' RT

R4.50'

968.81

RAD TO FLANGE
26+95.30
28.39' RT

968.94

R4.50'

968.65

16'

968.21

26+90.76
48.39' RT
968.30

R50.00'

27+21.00
67.34' RT
968.32

497+48.31
23.00' RT

CONCRETE SURFACE
DRAIN

26+62.16
20.00' RT
968.79

26+73.64
45.01' RT
968.39

26+61.55
26.32' RT
968.72

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

REVERSE SLOPE
GUTTER

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

26+81.08
97.44' RT
RAD TO FLANGE

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN DETAILS: STH 21	SHEET 19	E

2

2

28+58.16
80.00' RT
RAD TO FLANGE

N

28+11.50
97.95' RT
968.32

498+55.04
-23.00' LT

3"

498+96.46
-15.36' LT

R/L STH 21

498'EB'+00

STH 21

499'EB'+00

500'EB'+00

MATCH LINE 497+52

497+82.72
17.93' RT

END CONSTRUCTION
500'EB'+59.11

2"

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN DETAILS: STH 21	SHEET 20	E

2

N

STH 21

SLOPE INTERCEPT

EXISTING R/W

SIGN

POST

495'EB'+00

496'EB'+00

497'EB'+00

22'NB'+00

23'NB'+00

24'NB'+00

25'NB'+00

26'NB'+00

27'NB'+00

STH 13

BEGIN PROJECT
STA 22+41.89
Y=239,565.838
X=532,614.941

EXISTING R/W

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 1	SHEET 21	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 4/15/2021 10:42 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

EXISTING R/W

28'NB'+00

29'NB'+00

STH 13

30'NB'+00

R/L STH 13

31'NB'+00

32'NB'+00

33'NB'+00

END PROJECT
STA 31+96.25

SLOPE INTERCEPT

SLOPE INTERCEPT

498'EB'+00

STH 21

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 1	SHEET 22	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022002-ec

PLOT DATE : 4/15/2021 10:42 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXISTING R/W

34'NB'+00

35'NB'+00

36'NB'+00

37'NB'+00

38'NB'+00

39'NB'+00

STH 13

SLOPE INTERCEPT

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 1	SHEET 23	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 4/15/2021 10:42 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

N

EXISTING R/W

SLOPE INTERCEPT

END CONSTRUCTION
STA 491+40.43

STH 21

STH 13

491'EB'+00 492'EB'+00 493'EB'+00 494'EB'+00 495'EB'+00 496'EB'+00

27'NB'+00 26'NB'+00

POST FLAG SIGN FN. FO

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 1	SHEET 24	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 4/15/2021 10:42 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STH 13

29'NB'+00

28'NB'+00

27'NB'+00

SLOPE INTERCEPT

STH 21

496'EB'+00

497'EB'+00

498'EB'+00

499'EB'+00

500'EB'+00

501'EB'+00

502'EB'+00

END CONSTRUCTION
STA 500+59.11

EXISTING R/W

POST

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 1	SHEET 25	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022005-ec

PLOT DATE : 4/15/2021 10:42 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXISTING R/W

SLOPE INTERCEPT

SIGN

GV

POST

SEPV

STH 21

502'EB'+00

503'EB'+00

504'EB'+00

505'EB'+00

506'EB'+00

507'EB'+00

508'EB'+00

EXISTING R/W

SEPC

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 1	SHEET 26	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022006-ec

PLOT DATE : 4/15/2021 10:42 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

STH 21

495'EB'+00

496'EB'+00

497'EB'+00

EXISTING R/W

SILT FENCE INSTALLED IN
PREVIOUS STAGE (TYP)

22'NB'+00

23'NB'+00

24'NB'+00

25'NB'+00

26'NB'+00

27'NB'+00

STH 13

BEGIN PROJECT
STA 22+41.89
Y=239,565.838
X=532,614.941

SLOPE INTERCEPT

EXISTING R/W

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 2	SHEET 27 E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 022007-ec

PLOT DATE : 4/15/2021 10:42 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STH 13

29'NB'+00

28'NB'+00

27'NB'+00

STH 21

SILT FENCE INSTALLED IN
PREVIOUS STAGE (TYP)

END CONSTRUCTION
STA 500+59.11

CULVERT PIPE CHECK INSTALLED
IN PREVIOUS STAGE (TYP)

EXISTING R/W

5'EB'+00 497'EB'+00 498'EB'+00 499'EB'+00 500'EB'+00 501'EB'+00 502'EB'+00

POST

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 2	SHEET 28	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 022008-ec

PLOT DATE : 4/15/2021 10:42 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

CULVERT PIPE CHECK INSTALLED IN PREVIOUS STAGE (TYP)

SILT FENCE INSTALLED IN PREVIOUS STAGE (TYP)

SLOPE INTERCEPT

EXISTING R/W

SLOPE INTERCEPT

STH 21

02'EB'+00 503'EB'+00 504'EB'+00 505'EB'+00 506'EB'+00 507'EB'+00 508'EB'+00

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 2	SHEET 29	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 022009-ec

PLOT DATE : 4/15/2021 10:42 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

EXISTING R/W

SLOPE INTERCEPT

CULVERT PIPE CHECK INSTALLED
IN PREVIOUS STAGE (TYP)

28'NB'+00 29'NB'+00 30'NB'+00 31'NB'+00 32'NB'+00 33'NB'+00

STH 13

END PROJECT
STA 31+96.25

SILT FENCE INSTALLED IN
PREVIOUS STAGE (TYP)

49B'EB'+00

STH 21

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 3	SHEET 30	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - 022010-ec

PLOT DATE : 4/15/2021 10:43 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXISTING R/W

CULVERT PIPE CHECK INSTALLED
IN PREVIOUS STAGE (TYP)

SLOPE INTERCEPT

34'NB'+00

35'NB'+00

36'NB'+00

37'NB'+00

38'NB'+00

39'NB'+00

STH 13

SILT FENCE INSTALLED IN
PREVIOUS STAGE (TYP)

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 3	SHEET 31	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - 022011-ec

PLOT DATE : 4/15/2021 10:43 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

N

EXISTING R/W

SLOPE INTERCEPT

491'EB'+00 492'EB'+00 493'EB'+00 494'EB'+00 495'EB'+00 496'EB'+00

STH 21

END CONSTRUCTION
STA 491+40.43

SILT FENCE INSTALLED IN
PREVIOUS STAGE (TYP)

SLOPE INTERCEPT

27'NB'+00

26'NB'+00

STH 13

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 3	SHEET 32	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022003-EC.DWG
LAYOUT NAME - 022012-ec

PLOT DATE : 4/15/2021 10:43 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXISTING R/W

SILT FENCE INSTALLED IN PREVIOUS STAGE (TYP)

CULVERT PIPE CHECK INSTALLED IN PREVIOUS STAGE (TYP)

28'NB'+00 29'NB'+00 30'NB'+00 31'NB'+00 32'NB'+00 33'NB'+00

STH 13

END PROJECT
STA 31+96.25

SLOPE INTERCEPT

498'FB'+00

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 4	SHEET 33	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022004-EC.DWG
LAYOUT NAME - 022013-ec

PLOT DATE : 4/15/2021 10:43 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXISTING R/W

CULVERT PIPE CHECK INSTALLED
IN PREVIOUS STAGE (TYP)

34'NB'+00

35'NB'+00

36'NB'+00

37'NB'+00

38'NB'+00

39'NB'+00

STH 13

SILT FENCE INSTALLED IN
PREVIOUS STAGE (TYP)

SLOPE INTERCEPT

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 4	SHEET 34	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022004-EC.DWG
LAYOUT NAME - 022014-ec

PLOT DATE : 4/15/2021 10:43 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STH 13

29'NB'+00

28'NB'+00

27'NB'+00

SLOPE INTERCEPT

SILT FENCE INSTALLED IN
PREVIOUS STAGE (TYP)

6'EB'+00

497'EB'+00

498'EB'+00

499'EB'+00

500'EB'+00

501'EB'+00

502'EB'+00

STH 21

END CONSTRUCTION
STA 500+59.11

CULVERT PIPE CHECK INSTALLED
IN PREVIOUS STAGE (TYP)

EXISTING R/W

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- CULVERT PIPE CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 4	SHEET 35	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022004-EC.DWG
LAYOUT NAME - 022015-ec

PLOT DATE : 4/15/2021 10:43 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

SEPV

SEPV

SEPV

EXISTING R/W

SIGN

SIGN

GV

GV

SLOPE INTERCEPT

CULVERT PIPE CHECK INSTALLED
IN PREVIOUS STAGE (TYP)

SLOPE INTERCEPT

POST

POST

POST

POST

POST

POST

2'EB'+00

503'EB'+00

504'EB'+00

505'EB'+00

506'EB'+00

507'EB'+00

508'EB'+00

STH 21

FENCE

SILT FENCE INSTALLED IN
PREVIOUS STAGE (TYP)

SEPV

SEPV

SEPV

SEPV

SEPC

EXISTING R/W

LEGEND

SILT FENCE

SURFACE WATER FLOW

CULVERT PIPE CHECK

MULCHING

EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 4	SHEET 36	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022004-EC.DWG
LAYOUT NAME - 022016-ec

PLOT DATE : 4/15/2021 10:43 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

EXISTING R/W

SLOPE INTERCEPT

CULVERT PIPE CHECK INSTALLED IN PREVIOUS STAGE (TYP)

SLOPE INTERCEPT

32'NB'+00

END PROJECT STA 31+96.25

33'NB'+00

34'NB'+00

35'NB'+00

36'NB'+00

37'NB'+00

38'NB'+00

STH 13

SILT FENCE INSTALLED IN PREVIOUS STAGE (TYP)

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 5	SHEET 37	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\022005-EC.DWG
LAYOUT NAME - 022017-ec

PLOT DATE : 4/15/2021 10:44 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

SEPV
SEPV
SEPV

SIGN
SIGN
GV
GV

EXISTING R/W

SILT FENCE INSTALLED IN PREVIOUS STAGE (TYP)

CULVERT PIPE CHECK INSTALLED IN PREVIOUS STAGE (TYP)

POST
POST
POST
POST

502'EB'+00 503'EB'+00 504'EB'+00 505'EB'+00 506'EB'+00 507'EB'+00

STH 21

POST
POST

SLOPE INTERCEPT

SLOPE INTERCEPT

EXISTING R/W

SEPV
SEPV
SEPV
SEPV
SEPC

LEGEND

- SILT FENCE
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- MULCHING
- EROSION MAT CLASS I TYPE B

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	EROSION CONTROL: STAGE 5	SHEET 38	E

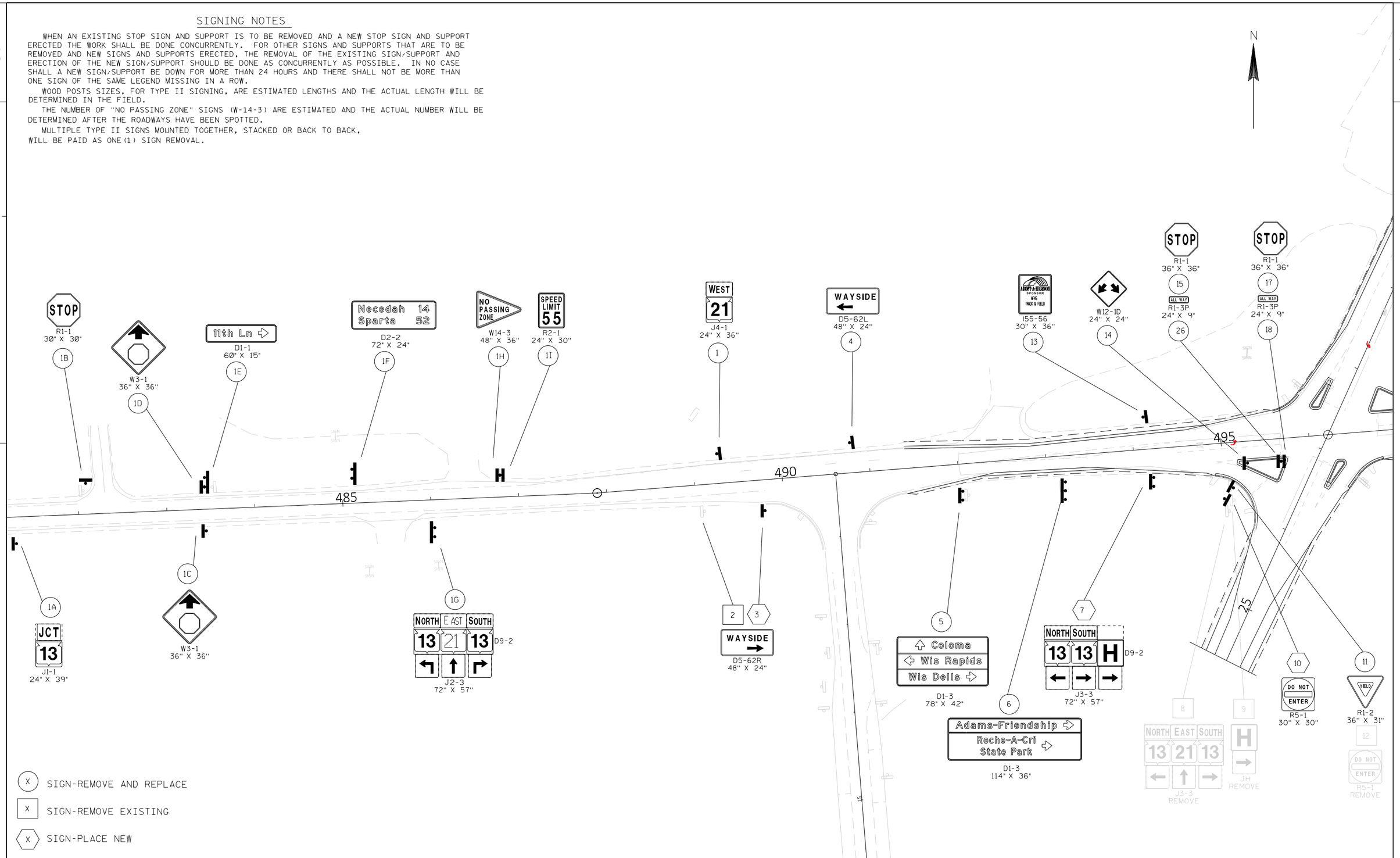
SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE(1) SIGN REMOVAL.



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PERMANENT SIGNING	SHEET	E

2

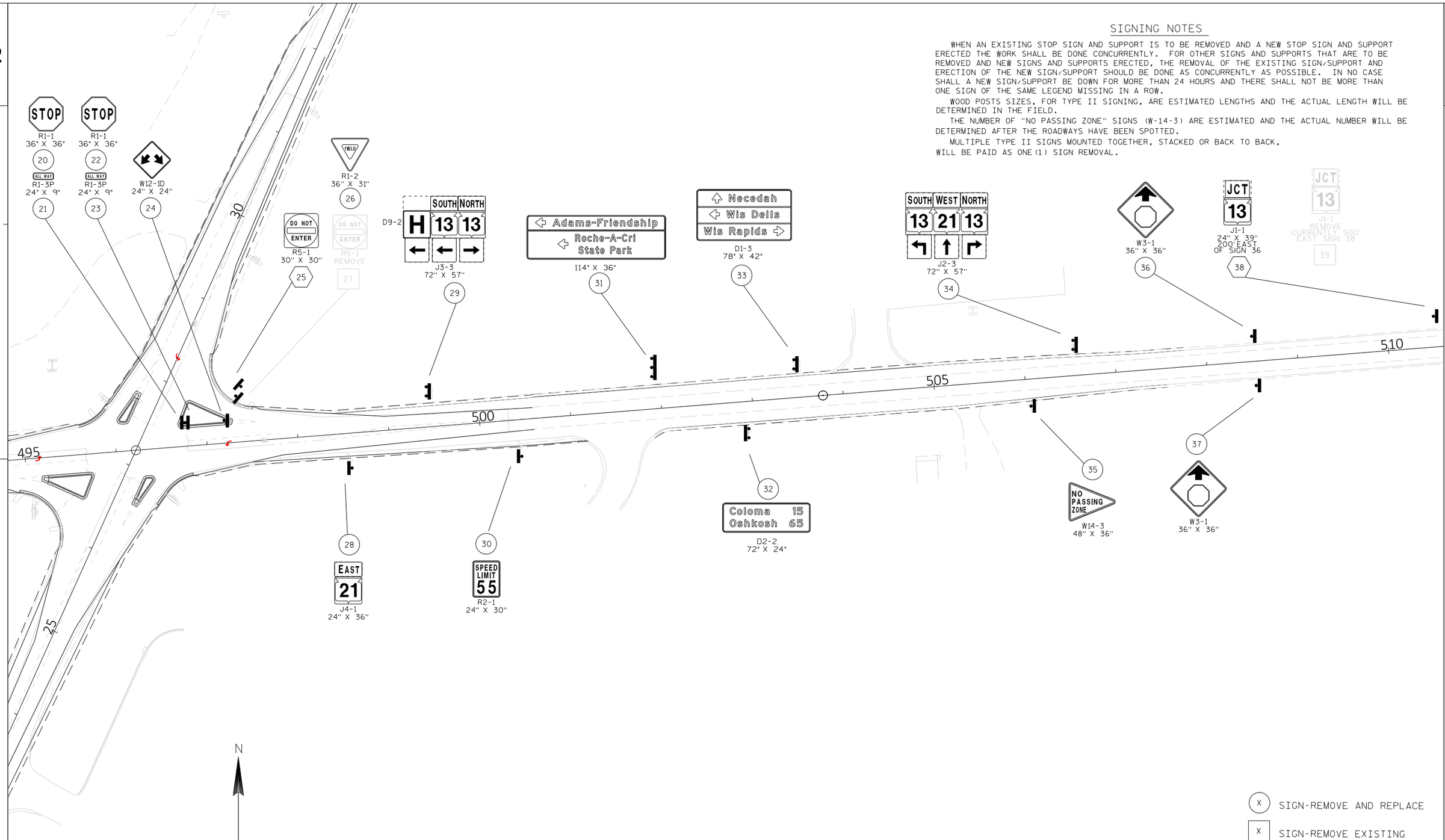
SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE(1) SIGN REMOVAL.



X SIGN-REMOVE AND REPLACE

X SIGN-REMOVE EXISTING

X SIGN-PLACE NEW

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PERMANENT SIGNING	SHEET E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

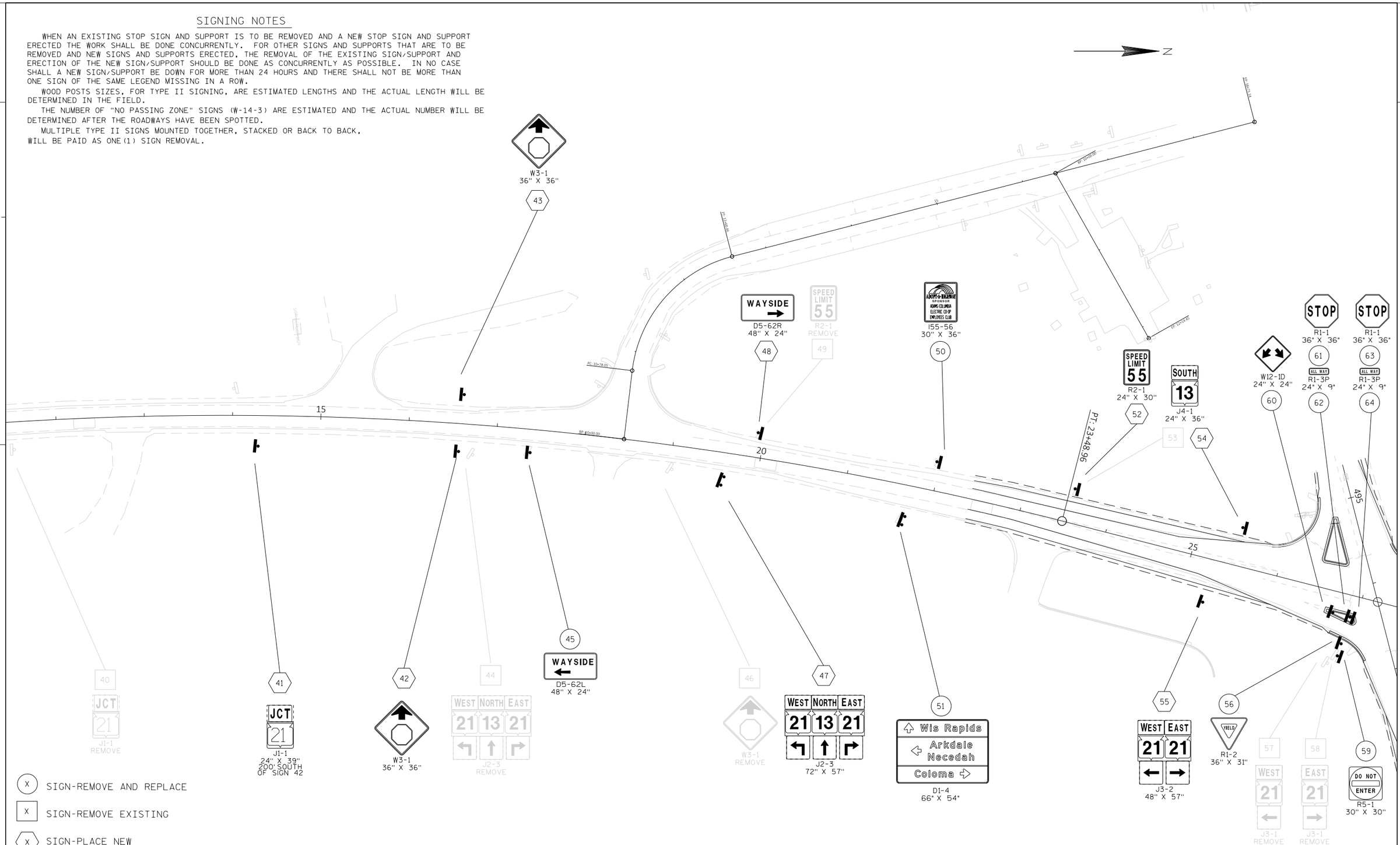
SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

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THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE(1) SIGN REMOVAL.



X SIGN-REMOVE AND REPLACE

X SIGN-REMOVE EXISTING

X SIGN-PLACE NEW

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PERMANENT SIGNING	SHEET	E

2

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

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THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE(1) SIGN REMOVAL.

N

70 R1-1 36" X 36"
72 R1-1 36" X 36"
71 ALL WAY R1-3P 24" X 9"
73 ALL WAY R1-3P 24" X 9"
74 R5-1 30" X 30"
75 J3-2 REMOVE
77 R1-2 36" X 31"
78 R5-1 REMOVE
79 J3-2 48" X 57"
83 D1-4 66" X 54"
84
85 J2-3 72" X 57"
88 W3-1 36" X 36"
90 J2-3 REMOVE
91 J1-1 24" X 39"
92 J1-1 REMOVE CURRENTLY 600' NORTH OF INTERSECTION
76 W12-1D 24" X 24"
80 J4-1 24" X 36"
81 I55-56 REMOVE
82 R2-1 24" X 30"
86 D2-1 54" X 15"
87 I55-56 30" X 36"
89 W3-1 36" X 36"

495 500 30 35 40

X SIGN-REMOVE AND REPLACE
X SIGN-REMOVE EXISTING
X SIGN-PLACE NEW

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PERMANENT SIGNING	SHEET	E

2

WAYSIDE

R/L STH 13

18'NB'+00

20'NB'+00

22'NB'+00

STH 13

23+02.52'NB'
0.50'R

12'

12'

LEGEND

A MARKING LINE EPOXY 4-INCH (WHITE) (SOLID)	H MARKING WORD EPOXY (WHITE)
B MARKING LINE EPOXY 4-INCH (YELLOW) (SOLID)	I MARKING STOP LINE EPOXY 18-INCH (WHITE) (SOLID)
C MARKING LINE EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)	J MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (SOLID)
D MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)	K MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)
E MARKING LINE EPOXY 8-INCH (WHITE) (SOLID)	L MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (SOLID)
F MARKING LINE EPOXY 8-INCH (WHITE) (6' LINE, 3' GAP)	M MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
G MARKING ARROW EPOXY (WHITE)	N MARKING PARKING STALL EPOXY (WHITE)

R/L STH 21

496'EB'+00

STH 21

STH 13

24+82.14'NB'
-15.72'L

24'NB'+00

24+45.83'NB
5.27'R

25+13.03'NB'
19.39'R

25+74.26'NB'
-5.00'L

26'NB'+00

25+86.76'NB'
6.00'R

26+88.26'NB'
5.82'R

11'

14'

16'

14'

11'

27+50.64'NB'
-6.00'L

28'NB'+00

28+14.82'NB'
-19.40'L

28+39.88'NB'
-31.00'L

29+02.14'NB'
-6.00'L

29+14.64'NB'
5.00'R

29+48.16'NB'
16.86'R

30'NB'+00

12'

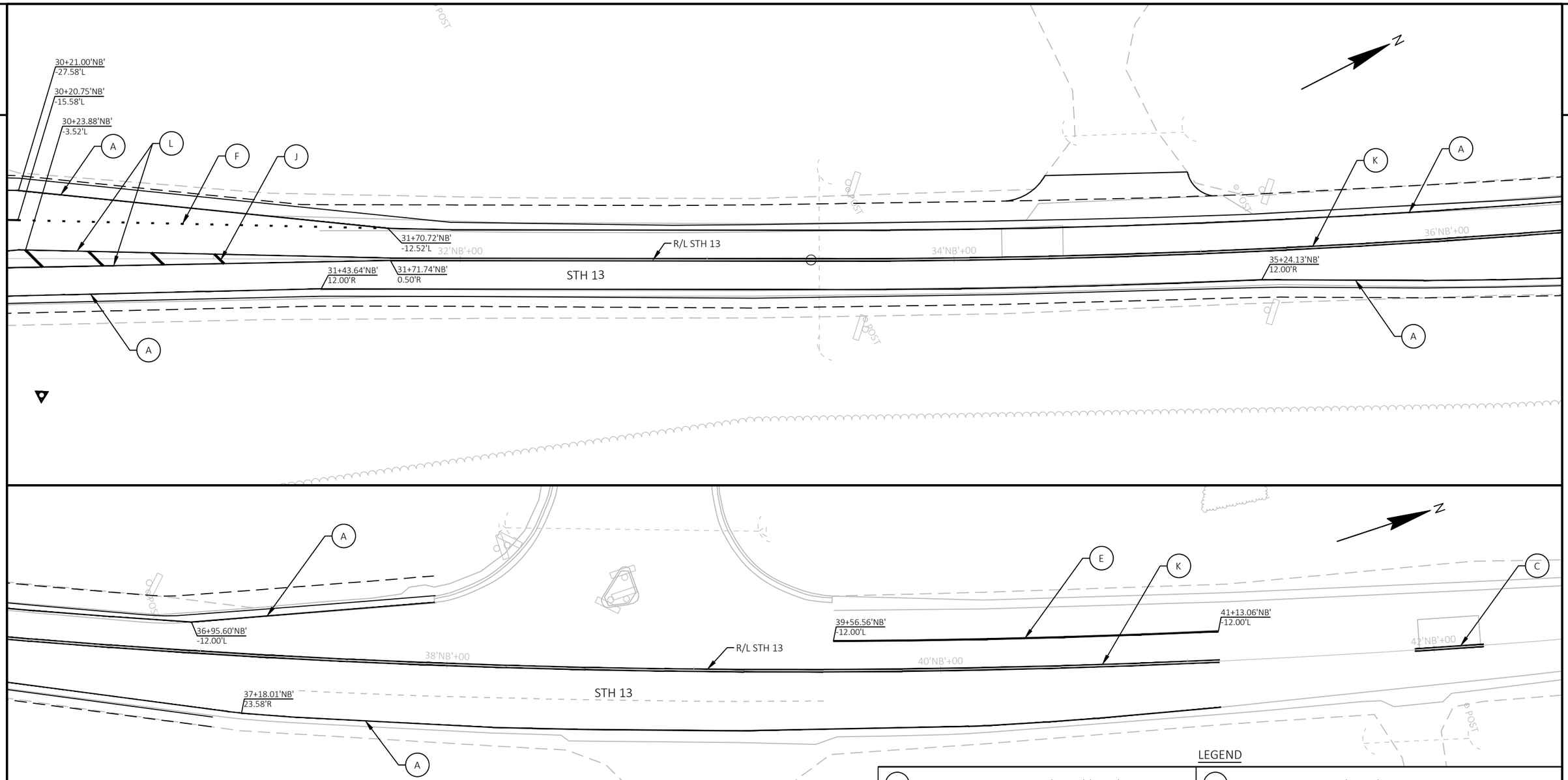
R/L STH 13

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PAVEMENT MARKING: STH 13	SHEET 43 E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-pm

PLOT DATE : 4/15/2021 10:51 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



2

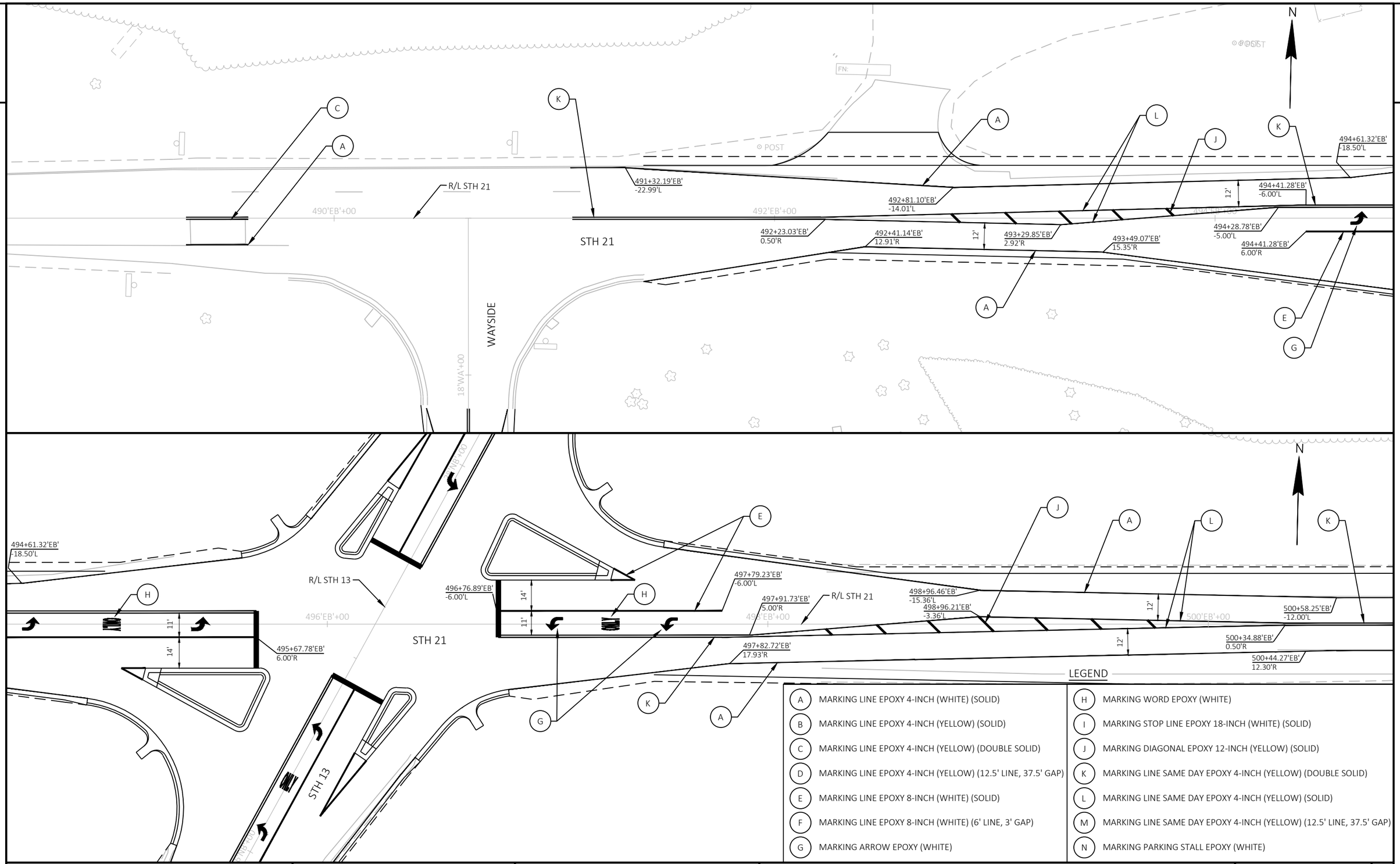
LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE) (SOLID)	H	MARKING WORD EPOXY (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW) (SOLID)	I	MARKING STOP LINE EPOXY 18-INCH (WHITE) (SOLID)
C	MARKING LINE EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)	J	MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (SOLID)
D	MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)	K	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)
E	MARKING LINE EPOXY 8-INCH (WHITE) (SOLID)	L	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (SOLID)
F	MARKING LINE EPOXY 8-INCH (WHITE) (6' LINE, 3' GAP)	M	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
G	MARKING ARROW EPOXY (WHITE)	N	MARKING PARKING STALL EPOXY (WHITE)

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PAVEMENT MARKING: STH 13	SHEET 44 E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm
PLOT DATE : 4/15/2021 10:51 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

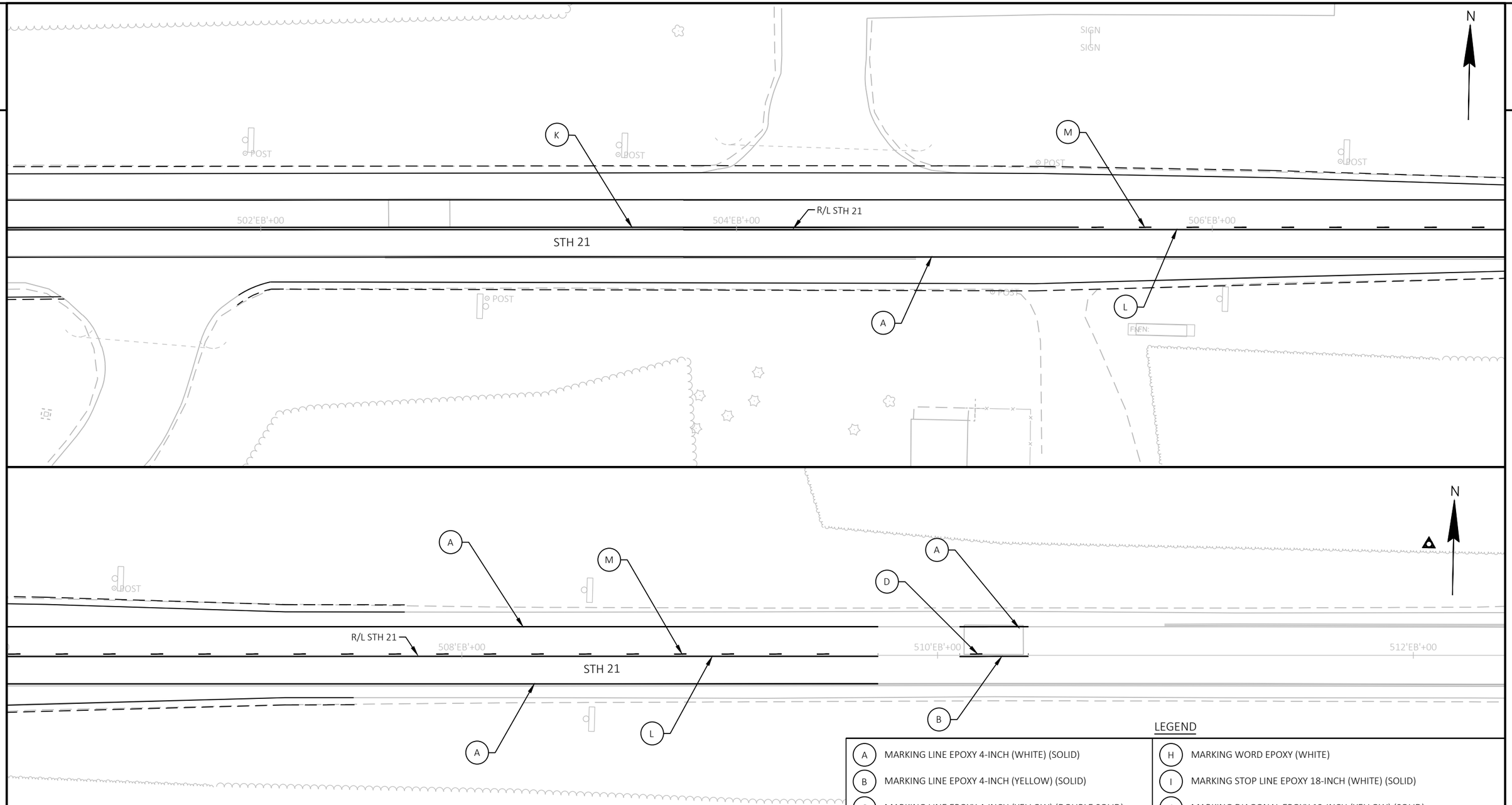


LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE) (SOLID)	H	MARKING WORD EPOXY (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW) (SOLID)	I	MARKING STOP LINE EPOXY 18-INCH (WHITE) (SOLID)
C	MARKING LINE EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)	J	MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (SOLID)
D	MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)	K	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)
E	MARKING LINE EPOXY 8-INCH (WHITE) (SOLID)	L	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (SOLID)
F	MARKING LINE EPOXY 8-INCH (WHITE) (6' LINE, 3' GAP)	M	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
G	MARKING ARROW EPOXY (WHITE)	N	MARKING PARKING STALL EPOXY (WHITE)

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PAVEMENT MARKING: STH 21	SHEET 45 E

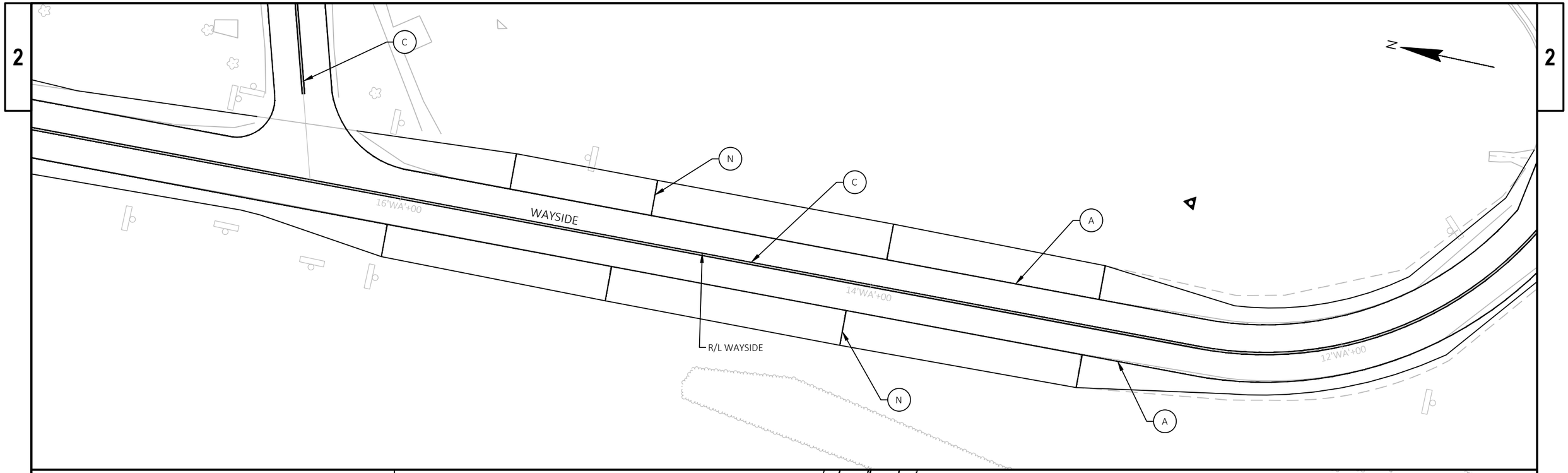
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LAYOUT NAME - 024503-pm
PLOT DATE : 4/15/2021 10:51 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



LEGEND

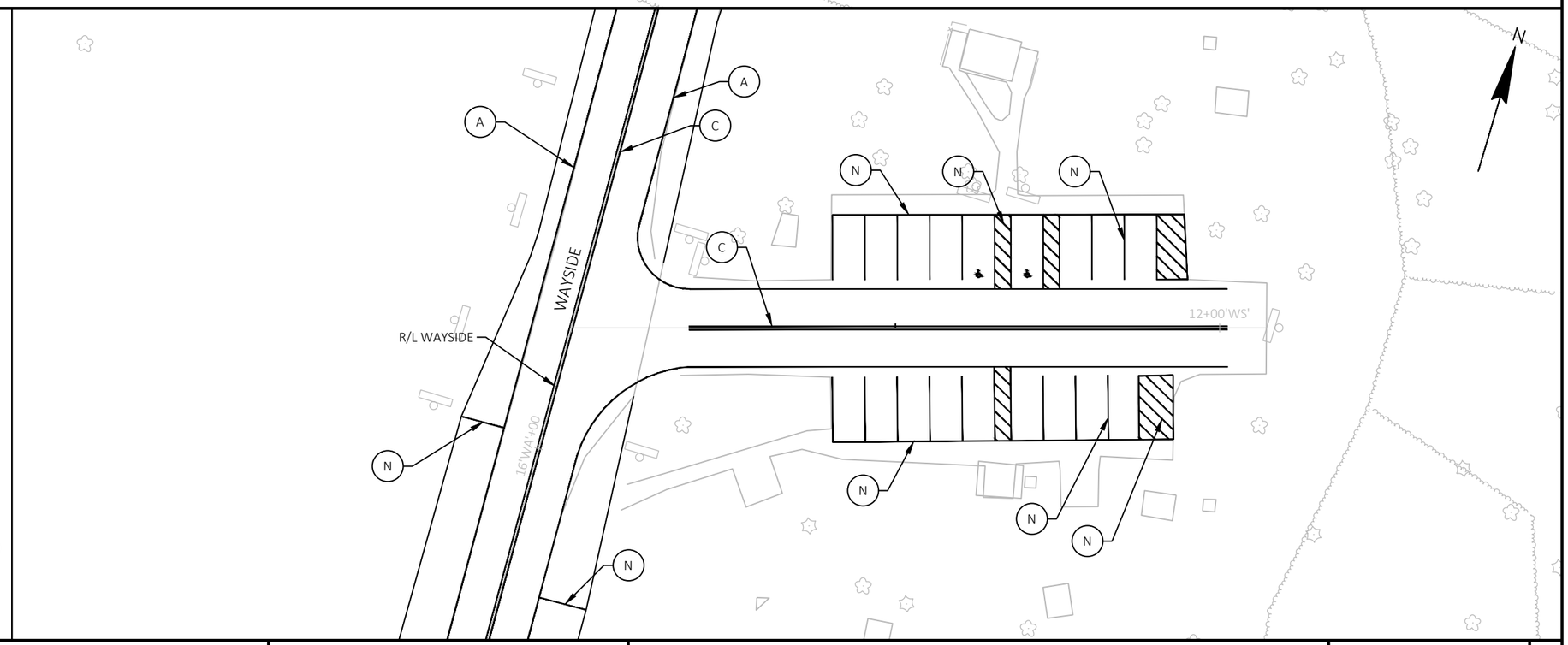
A	MARKING LINE EPOXY 4-INCH (WHITE) (SOLID)	H	MARKING WORD EPOXY (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW) (SOLID)	I	MARKING STOP LINE EPOXY 18-INCH (WHITE) (SOLID)
C	MARKING LINE EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)	J	MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (SOLID)
D	MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)	K	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)
E	MARKING LINE EPOXY 8-INCH (WHITE) (SOLID)	L	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (SOLID)
F	MARKING LINE EPOXY 8-INCH (WHITE) (6' LINE, 3' GAP)	M	MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
G	MARKING ARROW EPOXY (WHITE)	N	MARKING PARKING STALL EPOXY (WHITE)

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PAVEMENT MARKING: STH 21	SHEET 46	E



LEGEND

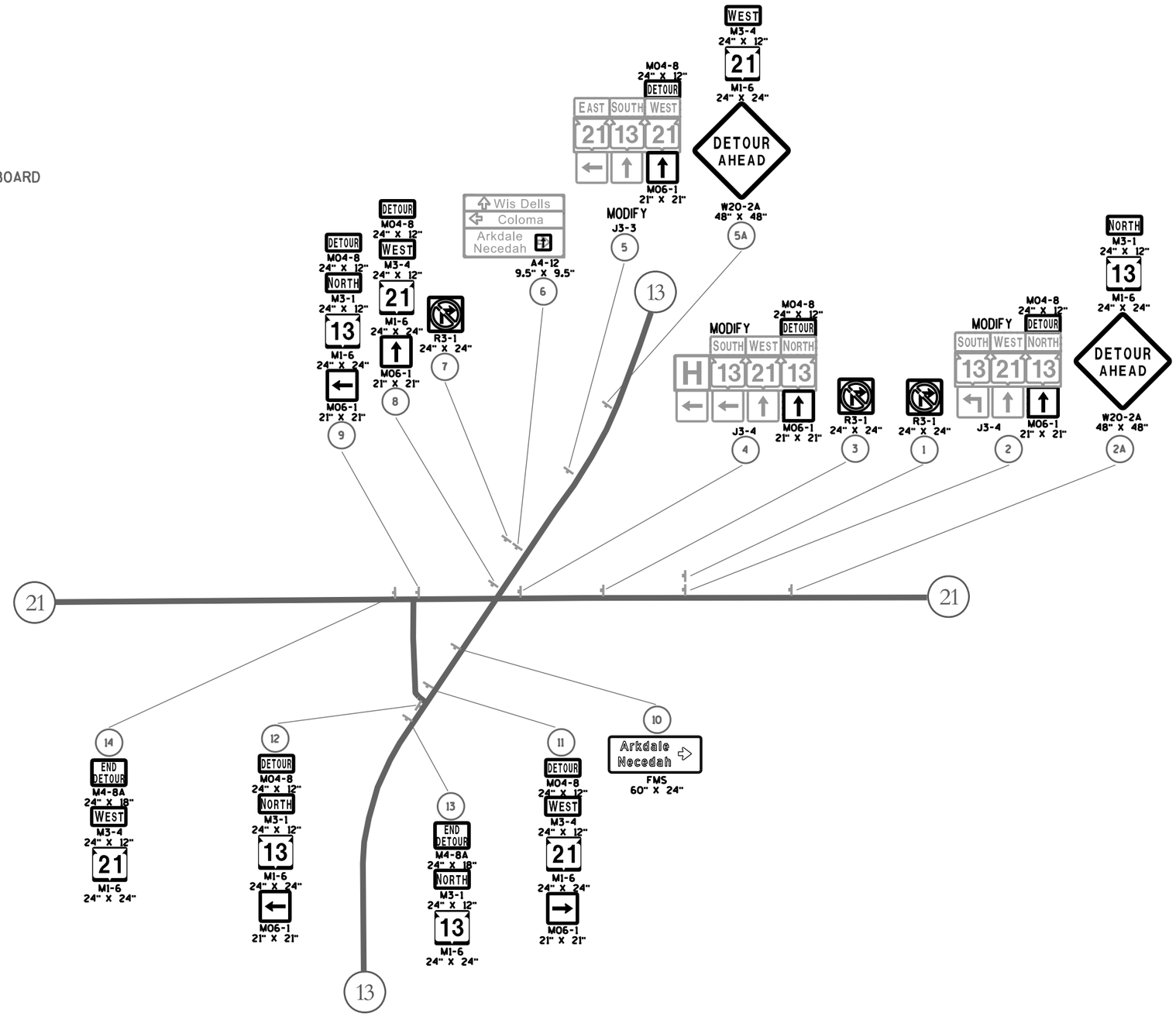
- (A) MARKING LINE EPOXY 4-INCH (WHITE) (SOLID)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW) (SOLID)
- (C) MARKING LINE EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)
- (D) MARKING LINE EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
- (E) MARKING LINE EPOXY 8-INCH (WHITE) (SOLID)
- (F) MARKING LINE EPOXY 8-INCH (WHITE) (6' LINE, 3' GAP)
- (G) MARKING ARROW EPOXY (WHITE)
- (H) MARKING WORD EPOXY (WHITE)
- (I) MARKING STOP LINE EPOXY 18-INCH (WHITE) (SOLID)
- (J) MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (SOLID)
- (K) MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (DOUBLE SOLID)
- (L) MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (SOLID)
- (M) MARKING LINE SAME DAY EPOXY 4-INCH (YELLOW) (12.5' LINE, 37.5' GAP)
- (N) MARKING PARKING STALL EPOXY (WHITE)



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PAVEMENT MARKING: WAYSIDE	SHEET 47	E

LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN
- (X) CHANGEABLE PORTABLE MESSAGE BOARD



SHEET 1 OF 4

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	DETOUR SIGNING DETAIL (STAGE 1)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

LEGEND

X — SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET

SIGN MOUNTED ON TYPE III BARRICADE

POST MOUNTED SIGN

X — CHANGEABLE PORTABLE MESSAGE BOARD

N

SOUTH M3-3 24" x 12" / 13 M1-6 24" x 24" / DETOUR AHEAD / W20-2A 48" x 48" — 15A

MOVE — Adams-Friendship / Roche-A-Cri State Park — 15

MOVE — Coloma / Wis Rapids / Wis Dells — 13

END DETOUR M4-8A 24" x 18" / WEST M3-4 24" x 12" / 21 M1-6 24" x 24" — 12A

DETOUR M04-8 24" x 12" / WEST M3-4 24" x 12" / 21 M1-6 24" x 24" — 28

DETOUR M04-8 24" x 12" / SOUTH M3-3 24" x 12" / 13 M1-6 24" x 24" — 12

H D9-2 24" x 24" — 11

DETOUR M04-8 24" x 12" / NORTH M3-1 24" x 12" / 13 M1-6 24" x 24" — 29

DETOUR M04-8 24" x 12" / EAST M3-2 24" x 12" / 21 M1-6 24" x 24" — 30

END DETOUR M4-8A 24" x 18" / EAST M3-2 24" x 12" / 21 M1-6 24" x 24" — 10A

DETOUR M04-8 24" x 12" / SOUTH M3-3 24" x 12" / 13 M1-6 24" x 24" — 3

A4-12 9.5" x 9.5" — Wis Dells / Coloma / Arkdale Necedah — 2

DETOUR M04-8 24" x 12" / EAST SOUTH WEST / 21 13 21 / M05-1R 21" x 21" / MODIFY J3-3 — 1

SOUTH M3-3 24" x 12" / 13 M1-6 24" x 24" / DETOUR AHEAD / W20-2A 48" x 48" — 1A

13

END DETOUR M4-8A 24" x 18" / NORTH M3-1 24" x 12" / 13 M1-6 24" x 24" — 31

DETOUR M04-8 24" x 12" / MODIFY / SOUTH WEST NORTH / H 13 21 13 / M06-1 21" x 21" / M06-1 21" x 21" / J3-4 — 4

R3-2 24" x 24" — 5

A4-12 9.5" x 9.5" — Necedah / Wis Dells / Wis Rapids — 6

R3-2 24" x 24" — 7

DETOUR M04-8 24" x 12" / MODIFY / SOUTH WEST NORTH / 13 21 13 / M06-1 21" x 21" / J3-3 — 8

SOUTH M3-3 24" x 12" / 13 M1-6 24" x 24" / DETOUR AHEAD / W20-2A 48" x 48" — 8A

21 — 21

21 PCMS — 9

20 PCMS

MOVE — Adams-Friendship / Roche-A-Cri State Park / Wis Dells — 10 — FMS 60" x 15"

14 — DETOUR M04-8 24" x 12" / NORTH EAST SOUTH / 13 21 13 / M05-1R 21" x 21" / MODIFY J3-3

16 — DETOUR M04-8 24" x 12" / NORTH EAST SOUTH / 13 21 13 / M06-1 21" x 21" / MOVE & MODIFY J3-3

17 — H / MOVE — 27 — Arkdale Necedah FMS 60" x 24" / Coloma FMS 54" x 15" / Wis Rapids FMS 66" x 15"

18 — DETOUR M04-8 24" x 12" / SOUTH M3-3 24" x 12" / 13 M1-6 24" x 24" / M06-1 21" x 21"

19 — H D9-2 24" x 24" / M06-1 21" x 21"

32 — END DETOUR M4-8A 24" x 18" / SOUTH M3-3 24" x 12" / 13 M1-6 24" x 24"

NORTH M3-1 24" x 12" / 21 M1-6 24" x 24" — 22A

13

22 — DETOUR M04-8 24" x 12" / WEST M3-4 24" x 12" / 21 M1-6 24" x 24" / M05-1L 21" x 21"

23 — DETOUR M04-8 24" x 12" / NORTH M3-1 24" x 12" / 13 M1-6 24" x 24" / M05-1L 21" x 21"

24 — DETOUR M04-8 24" x 12" / EAST M3-2 24" x 12" / 21 M1-6 24" x 24" / M05-1L 21" x 21"

DETOUR AHEAD / W20-2A 48" x 48"

25 — Coloma FMS 54" x 15" / Arkdale Necedah FMS 60" x 24" / Wis Rapids FMS 66" x 15"

26 — MODIFY — DETOUR M04-8 24" x 12" (3) / WEST NORTH EAST / 21 13 21 / M06-1 21" x 21" (3)

PCMS MESSAGES

FRAME 1	HWY 13 TO CLOSE
FRAME 2	STARTING X/XX/XX

SHEET 2 OF 4

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	DETOUR SIGNING DETAIL (STAGE 2)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

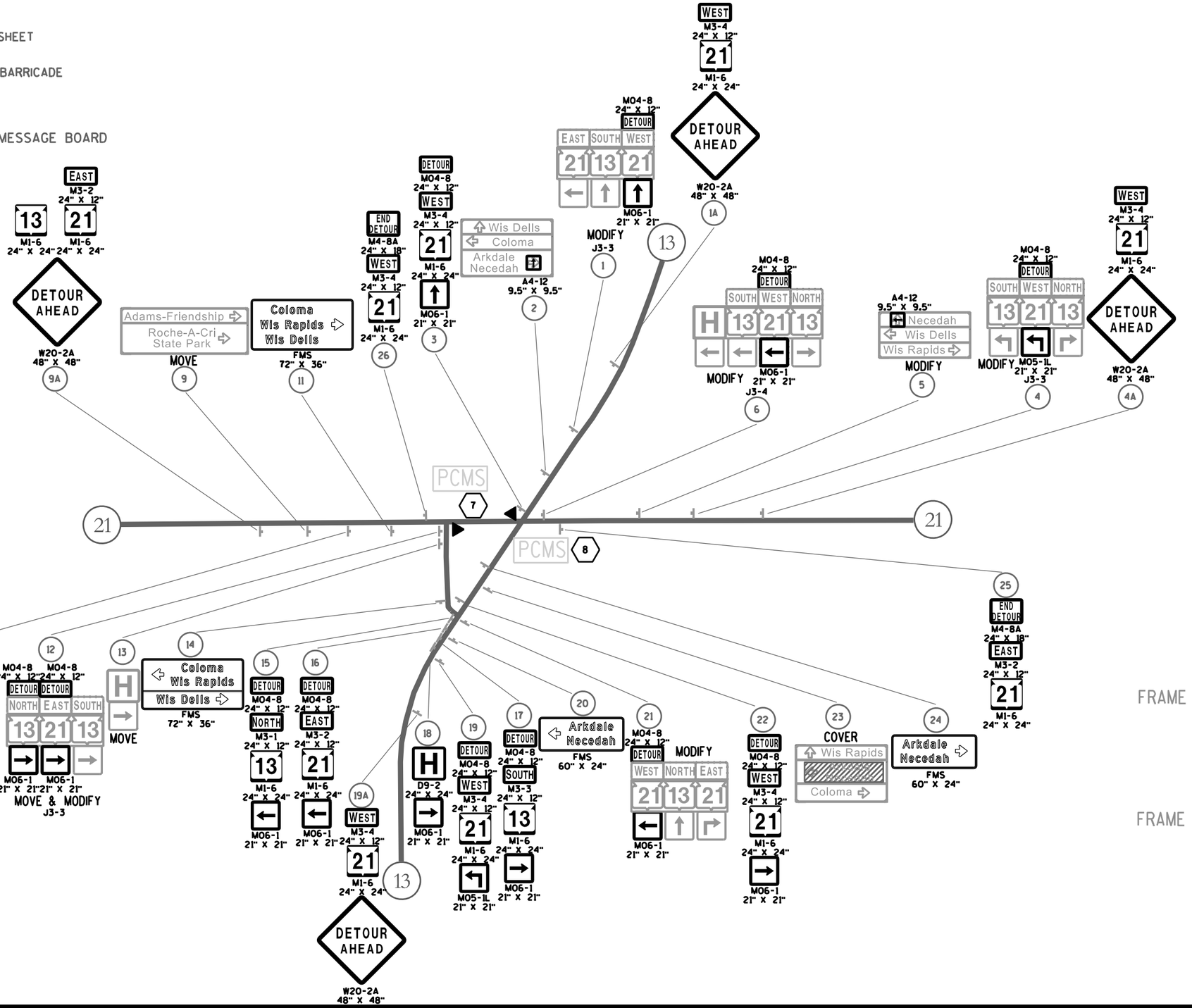
(X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET

SIGN MOUNTED ON TYPE III BARRICADE

POST MOUNTED SIGN

(X) CHANGEABLE PORTABLE MESSAGE BOARD

N



PCMS MESSAGES

FRAME 1	HWY 21 TO CLOSE
FRAME 2	STARTING X/XX/XX

SHEET 3 OF 4

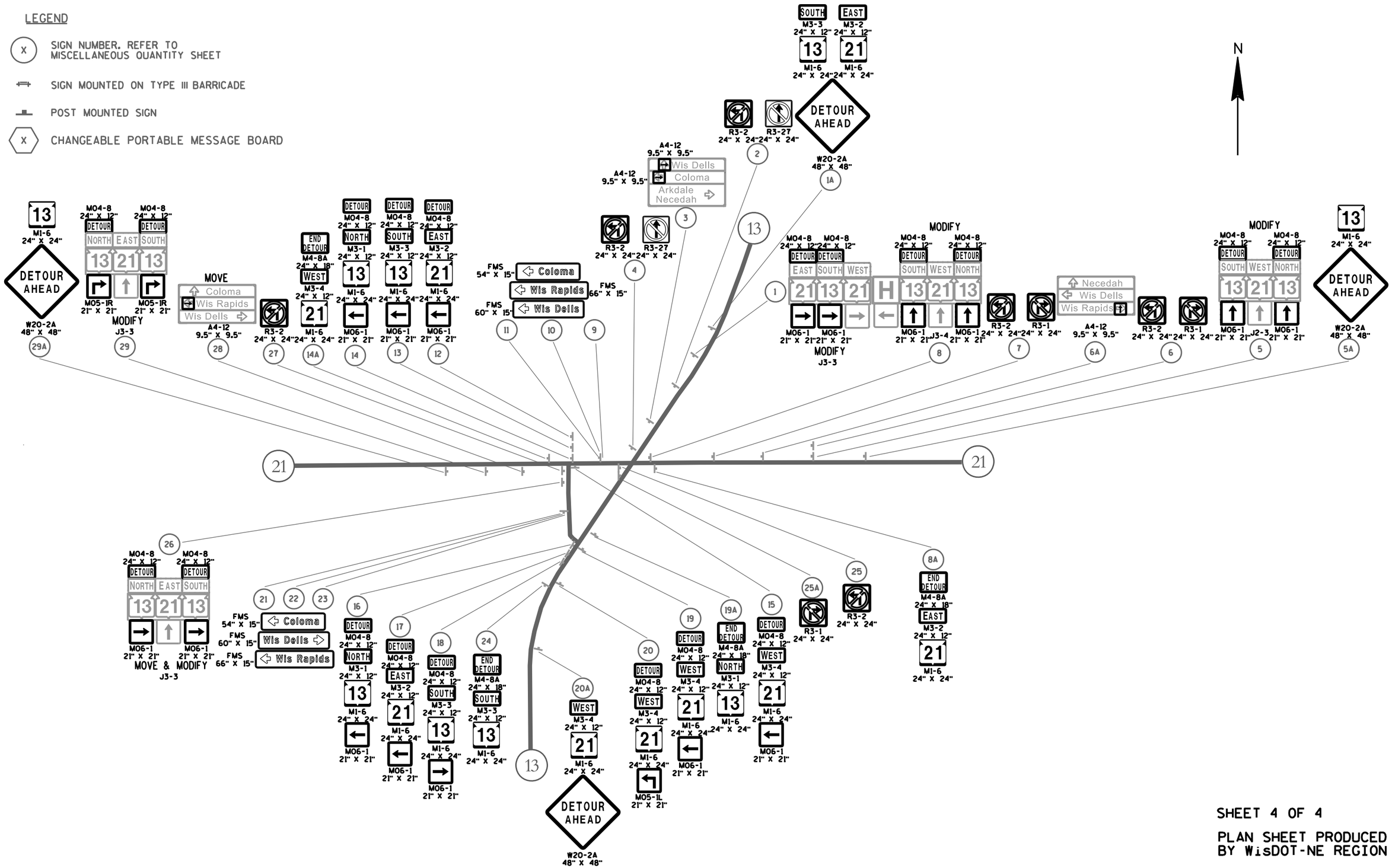
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	DETOUR SIGNING DETAIL (STAGE 3)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN
- (X) CHANGEABLE PORTABLE MESSAGE BOARD



SHEET 4 OF 4

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	DETOUR SIGNING DETAIL (STAGE 4)	SHEET	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

N

STH 13

13th DRIVE

STH 82

NORTH
M3-1
24"X12"

13
M1-6
24"X24"

MAX.
12'
WIDTH
W12-52
48"X48"

18 MILES
AHEAD
WO57-52
36"X24"

NORTH
M3-1
24"X12"

13
M1-6
24"X24"

MAX.
12'
WIDTH
W12-52
48"X48"

18 MILES
AHEAD
WO57-52
36"X24"

MAX.
12'
WIDTH
W12-52
48"X48"

18 MILES
AHEAD
WO57-52
36"X24"

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	TRAFFIC CONTROL ADVANCE WARNING	SHEET 52	E

FILE NAME : N:\PDS\C3D\61400101\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025001-tc

PLOT DATE : 4/9/2021 6:39 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:400 FT

2

2

N

STH 13

SOUTH
M3-3
24"X12"

13
M1-6
24"X24"

MAX. 12' WIDTH
W12-52
48"X48"

20 MILES AHEAD
WO57-52
36"X24"

STH 73

MILL AVE

CAROUSEL CT

SOUTH
M3-3
24"X12"

13
M1-6
24"X24"

MAX. 12' WIDTH
W12-52
48"X48"

20 MILES AHEAD
WO57-52
36"X24"

PIXLER CT

BRANDING IRON CT

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	TRAFFIC CONTROL ADVANCE WARNING	SHEET 53	E

FILE NAME : N:\PDS\C3D\61400101\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025002-tc

PLOT DATE : 4/9/2021 6:39 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:400 FT

2

2

N

KING ST

MAPLE ST

BIRCH ST

STH 80

EAST
M3-2
24"X12"

21
M1-6
24"X24"

MAX.
12'
WIDTH
W12-52
48"X48"

15 MILES
AHEAD
WO57-52
36"X24"

STH 21

FRIENDSHIP RD

JOHN ST

N HARVEY ST

PLUM ST

N DIVISION ST

HIGH ST

N SHORT ST

SHERIDAN ST

CENTER ST

HILL ST

3RD ST

OAK GROVE DR

STH 21

STH 80

CN RR

EAST
M3-2
24"X12"

21
M1-6
24"X24"

MAX.
12'
WIDTH
W12-52
48"X48"

15 MILES
AHEAD
WO57-52
36"X24"

MAX.
12'
WIDTH
W12-52
48"X48"

15 MILES
AHEAD
WO57-52
36"X24"

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	TRAFFIC CONTROL ADVANCE WARNING	SHEET 54	E

FILE NAME : N:\PDS\C3D\61400101\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025003-tc

PLOT DATE : 4/9/2021 6:39 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:400 FT

2

2

N

I-39

I-39

N FRONT ST

4th AVE

STH 21

WEST
M3-4
24"X12"

21
M1-6
24"X24"

MAX. 12' WIDTH
W12-52
48"X48"

14 MILES AHEAD
WO57-52
36"X24"

MAX. 12' WIDTH
W12-52
48"X48"

14 MILES AHEAD
WO57-52
36"X24"

N FRONT ST

N 1ST ST

N MADISON ST

N CHURCH LN

S 2ND ST

S FRONT ST

WEST
M3-4
24"X12"

21
M1-6
24"X24"

MAX. 12' WIDTH
W12-52
48"X48"

14 MILES AHEAD
WO57-52
36"X24"

I-39

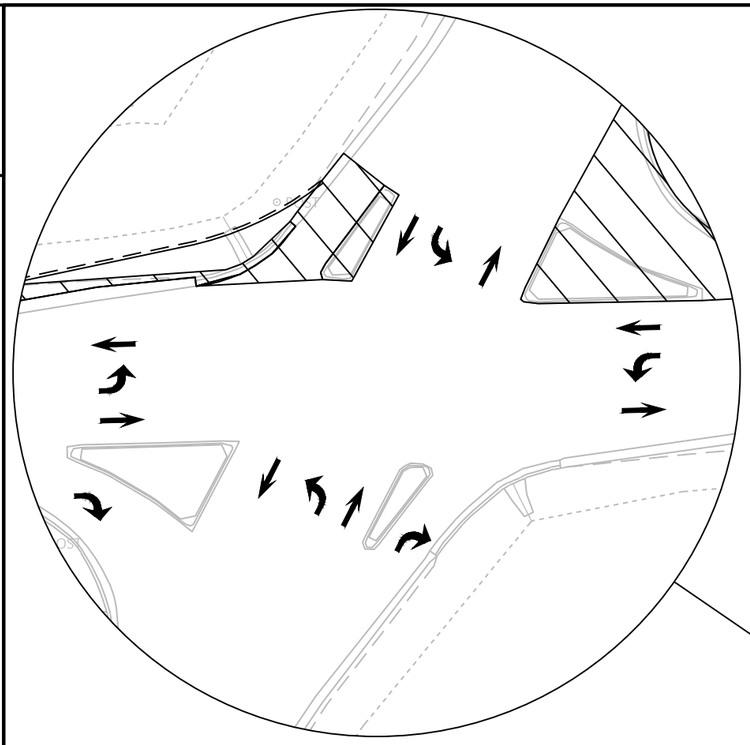
I-39

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	TRAFFIC CONTROL ADVANCE WARNING	SHEET 55	E

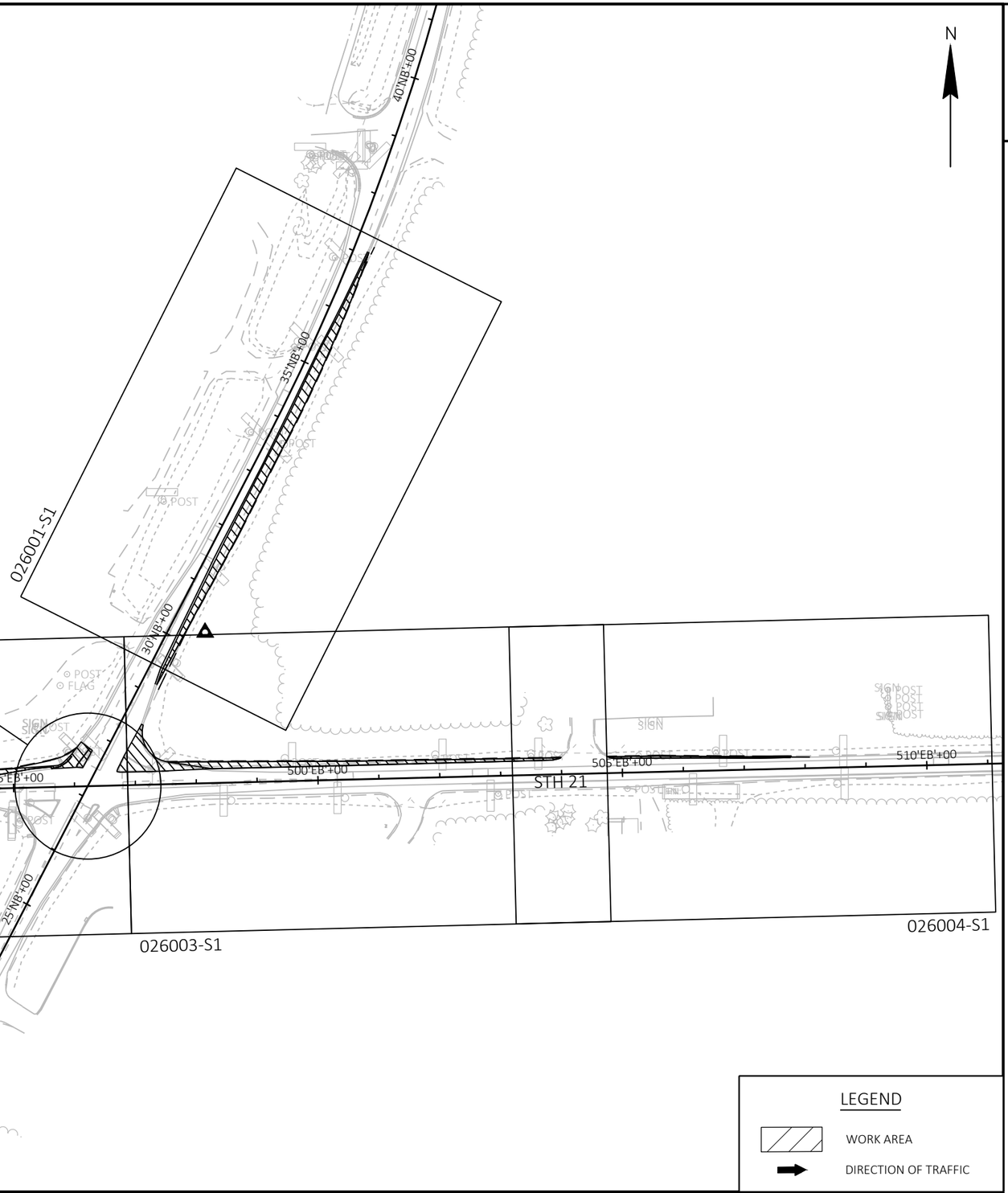
FILE NAME : N:\PDS\C3D\61400101\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025004-tc

PLOT DATE : 4/9/2021 6:39 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 42



TURNING & THRU MOVEMENTS
ALLOWED IN STAGE 1



LEGEND

WORK AREA

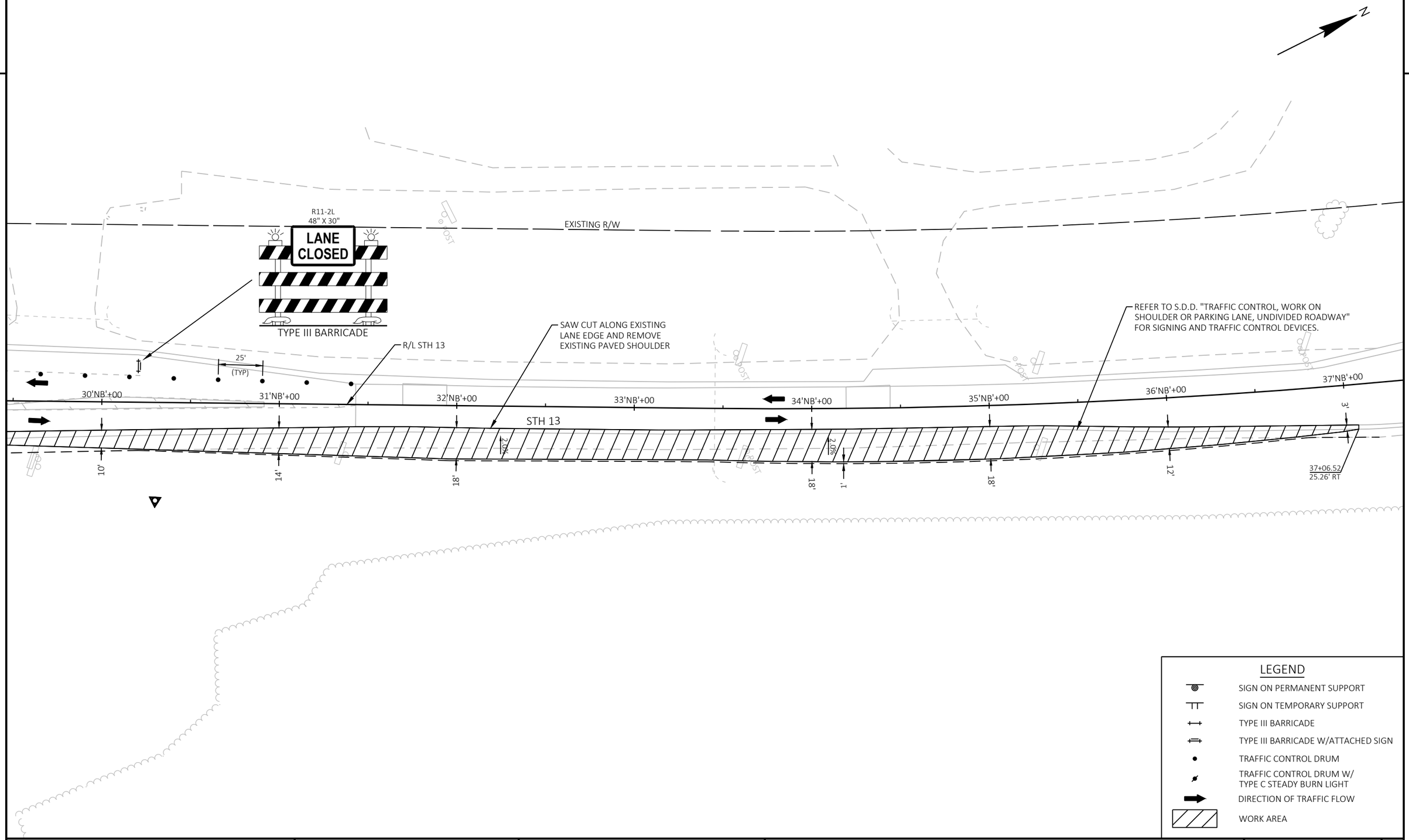
DIRECTION OF TRAFFIC

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 1 OVERVIEW	SHEET 56	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026000-S1.DWG
LAYOUT NAME - 026000-s1

PLOT DATE : 4/8/2021 4:07 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 1	SHEET 57	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026001-s1
PLOT DATE : 4/8/2021 4:07 PM
PLOT BY : SMITH, JENNIFER B
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

N

REMOVE EXISTING ISLAND

REMOVE EXISTING CURB & GUTTER

EXISTING PAVED SHOULDER TO REMAIN

REFER TO S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR SIGNING AND TRAFFIC CONTROL DEVICES.

EXISTING R/W

R/L STH 21

492+89.46
-22.17' LT

1'

6.8'

2.0%

8.3'

2.7'

25' (TYP)

28'NB'+00

27'NB'+00

26'NB'+00

25'NB'+00

SAW CUTS REQUIRED TO REMOVE ISLANDS

STH 13

R/L STH 13

STH 21

489'EB'+00 490'EB'+00 491'EB'+00 492'EB'+00 493'EB'+00 494'EB'+00 495'EB'+00 496'EB'+00

WAYSIDE

POST

FLAG

SIGN

FN:

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 1	SHEET 58	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026002-s1

PLOT DATE : 4/8/2021 4:07 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

STH 13

29'NB'+00

29+17.52
24.32' RT

REFER TO S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR SIGNING AND TRAFFIC CONTROL DEVICES.

EXISTING PAVED SHOULDER TO REMAIN

R/L STH 21

503+99.43
-27.03' LT

13'
10'
8'
1'
6'
5'
4'
2%
2%

25'
(TYP)

497'EB'+00
498'EB'+00
499'EB'+00
500'EB'+00
STH 21
501'EB'+00
502'EB'+00
503'EB'+00
504'EB'+00

POST

SAW CUTS REQUIRED TO REMOVE ISLANDS

EXISTING R/W

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 1	SHEET 59	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026003-s1

PLOT DATE : 4/8/2021 4:07 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

EXISTING PAVED SHOULDER TO REMAIN

REFER TO S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR SIGNING AND TRAFFIC CONTROL DEVICES.

EXISTING R/W

503+99.43
-27.03' LT

504+75.65
-26.63' LT

508+08.30
-18.15' LT

3'

1'

3'

3'

2.0%

POST

SIGN

R/L STH 21

504'EB'+00

505'EB'+00

506'EB'+00

507'EB'+00

508'EB'+00

STH 21

509'EB'+00

510'EB'+00

511'EB'+

EXISTING R/W

LEGEND

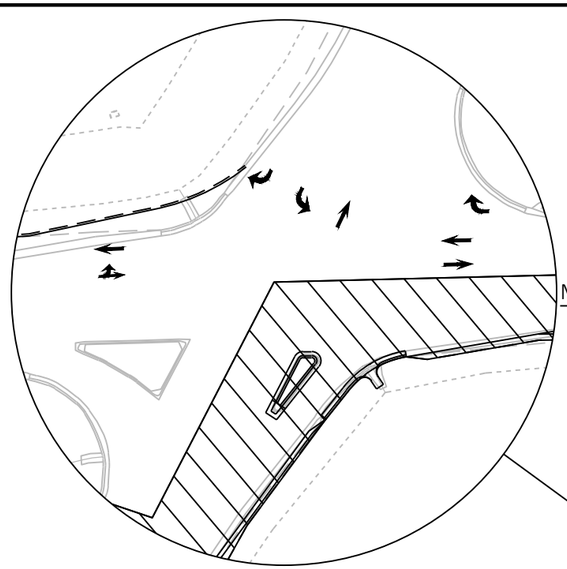
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 1	SHEET 60	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026004-s1

PLOT DATE : 4/8/2021 4:07 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



TURNING & THRU MOVEMENTS ALLOWED IN STAGE 2

N

026002-S2

026003-S2

026004-S2

026005-S2

026006-S2

026001-S2

35'NB'+00

30'NB'+00

20'NB'+00

485'EB'+00

490'EB'+00

495'EB'+00

500'EB'+00

505'EB'+00

510'EB'+00

515'EB'+00

STH 21

STH 13

WAYSIDE

LEGEND

WORK AREA

DIRECTION OF TRAFFIC

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 2 OVERVIEW	SHEET 61	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026000-S2.DWG
LAYOUT NAME - 026100-s2

PLOT DATE : 4/8/2021 4:08 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.



W12-52
48"X48"

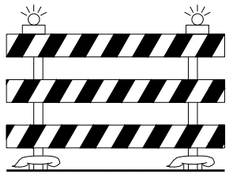
EXISTING R/W

WAYSIDE

R11-2
48" X 30"



TYPE III BARRICADE



TYPE III BARRICADE

REFER TO S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR SIGNING AND TRAFFIC CONTROL DEVICES.

R/L 13 STH

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

STH 13

22+41.77
-21.00' LT

22+41.77
23.00' RT

SAW CUT REQUIRED

EXISTING R/W

N

2

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 2	SHEET 62	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026001-s2

PLOT DATE : 4/8/2021 4:08 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

494'EB'+00

12'

R/L STH 21

25'
(TYP)

495'EB'+00

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

EXISTING R/W

STH 21 CROWN LINE

SAW CUT REQUIRED

25+86.02
-33.54' LT

TEMPORARY MARKING
STOP LINE PAINT
18-INCH (WHITE)

TEMPORARY MARKING
ARROW PAINT

STH 13 CROWN LINE

R1-1
36"X36"

STOP

ALL WAY

R1-3P
18"X6"

25'
(TYP)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

23'NB'+00

24'NB'+00

25'NB'+00

STH 13

26'NB'+00

27'NB'+00

28'NB'+00

29'NB'+00

30'NB'+00

STH 13

R/L 13 STH

TEMPORARY MARKING LINE
PAINT 4-INCH (YELLOW)

491'EB'+00

TEMPORARY MARKING
STOP LINE PAINT
18-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

SAW CUT REQUIRED

STH 21

498'EB'+00

5'

12'

12'

EXISTING R/W

REFER TO S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR SIGNING AND TRAFFIC CONTROL DEVICES.

R11-2
48" X 30"

ROAD
CLOSED

TYPE III BARRICADE

TYPE III BARRICADE

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 2	SHEET 63	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026002-s2

PLOT DATE : 4/8/2021 4:08 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

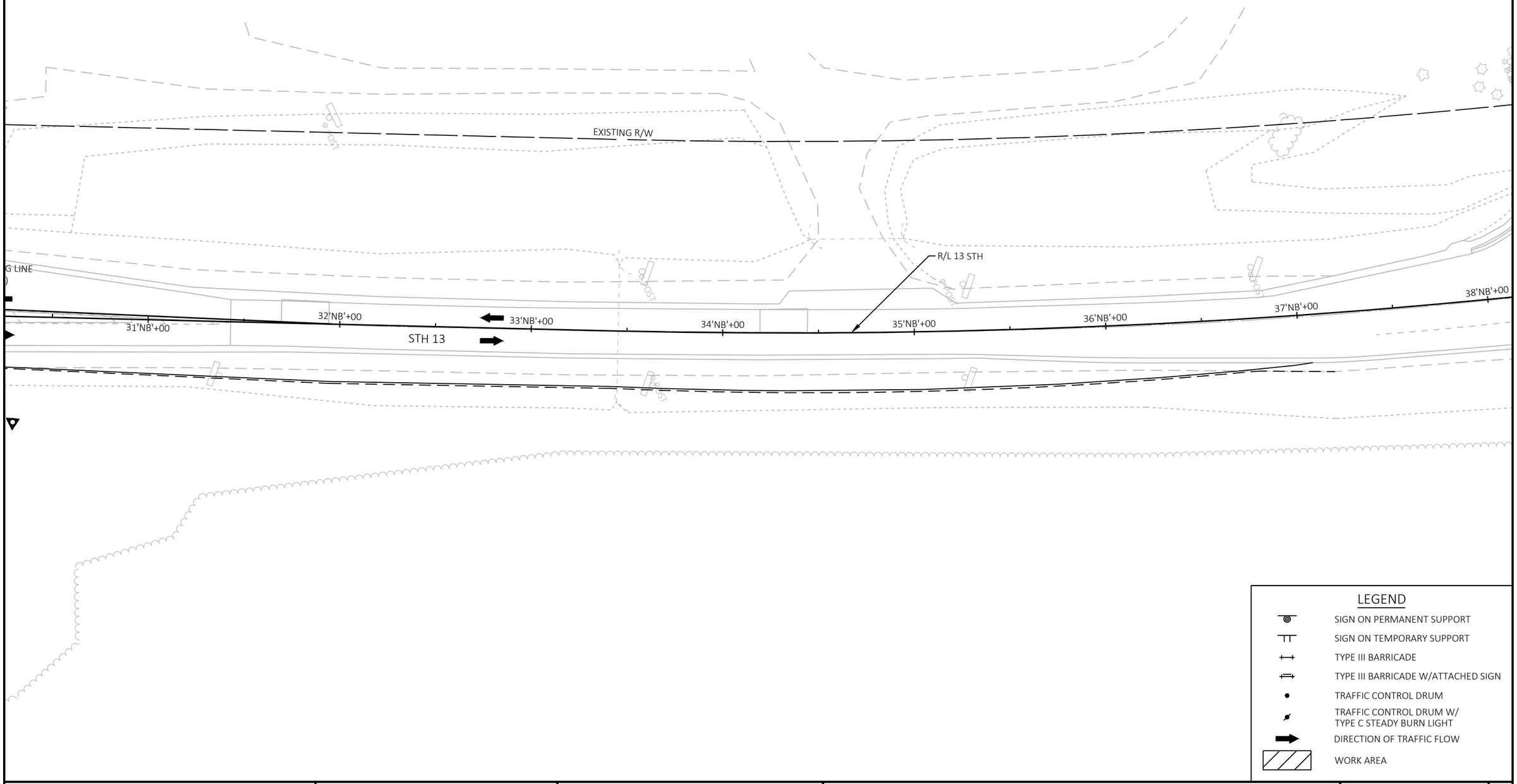
2

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.



W12-52
48"X48"



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 2	SHEET 64	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026003-s2

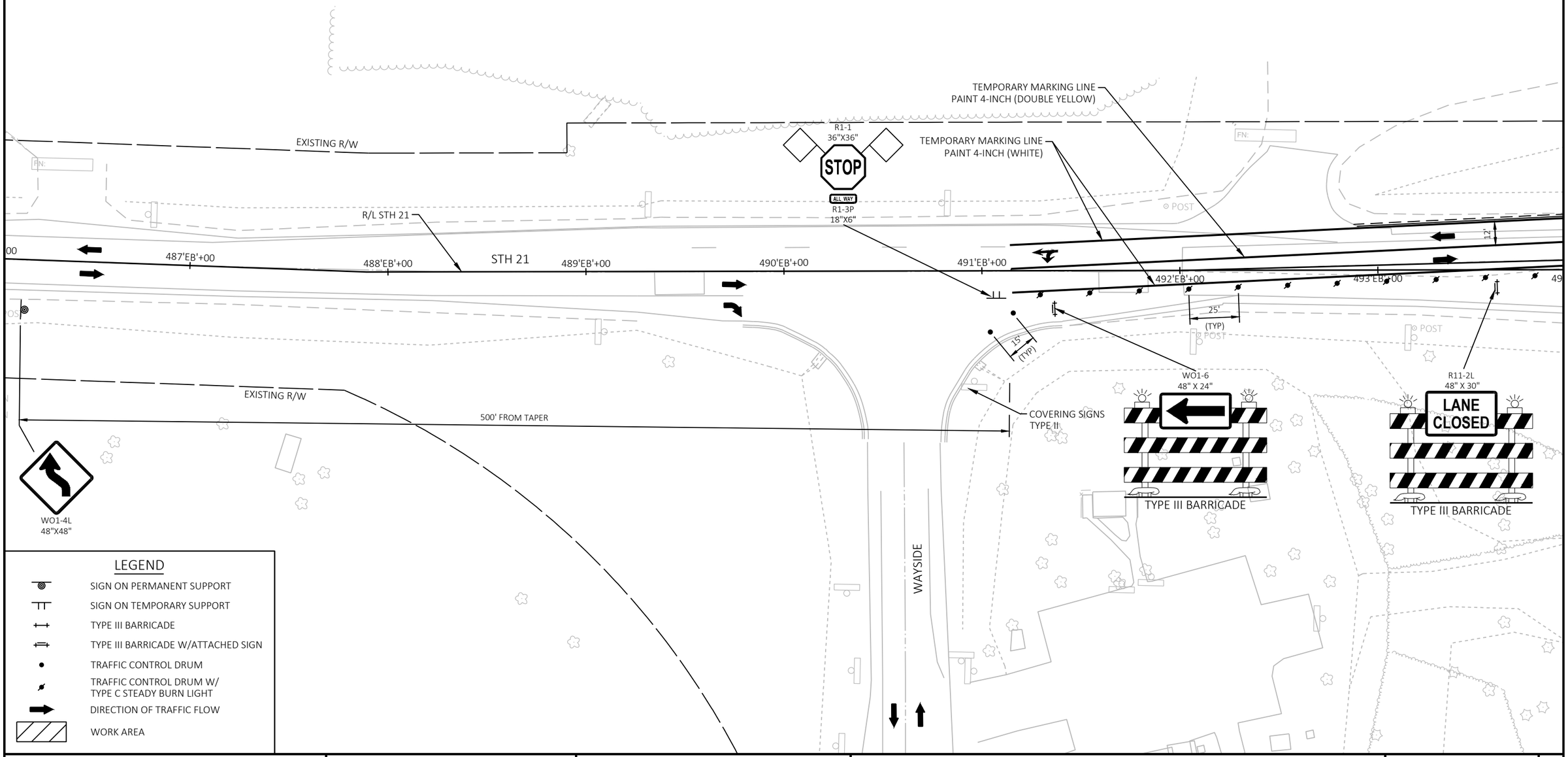
PLOT DATE : 4/8/2021 4:08 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.



W12-52
48"X48"



LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 2	SHEET 65	E

2

N

TEMPORARY MARKING LINE PAINT
4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT
4-INCH (WHITE)

SAW CUT REQUIRED

EXISTING R/W

SIGN
SIGN

POST
POST
POST
POST

25'
(TYP)

499'EB'+00
500'EB'+00
501'EB'+00
502'EB'+00
503'EB'+00
504'EB'+00
505'EB'+00
506'EB'+00

50'
(TYP)

STH 21

R/L STH 21

(TYP)

6'
6'
5'
1'
4'
2'
3'

500+59.12
22.68' RT

EXISTING PAVED
SHOULDER TO REMAIN

EXISTING R/W

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 2	SHEET 66	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026005-s2

PLOT DATE : 4/8/2021 4:08 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.

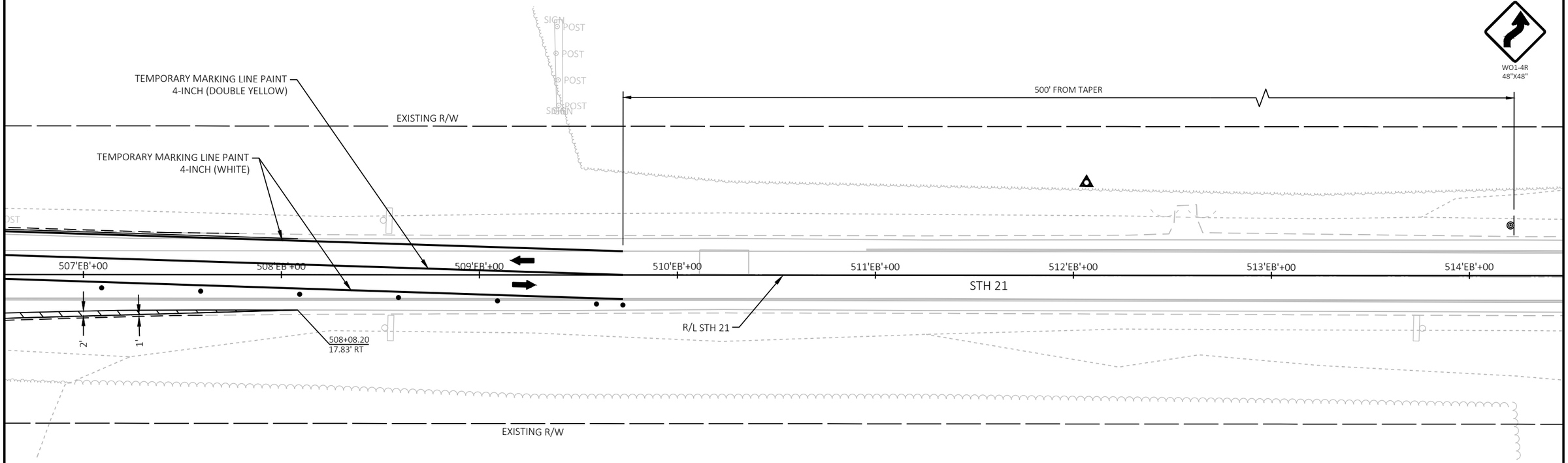


W12-52
48"X48"

N

2

WO1-4R
48"X48"



LEGEND

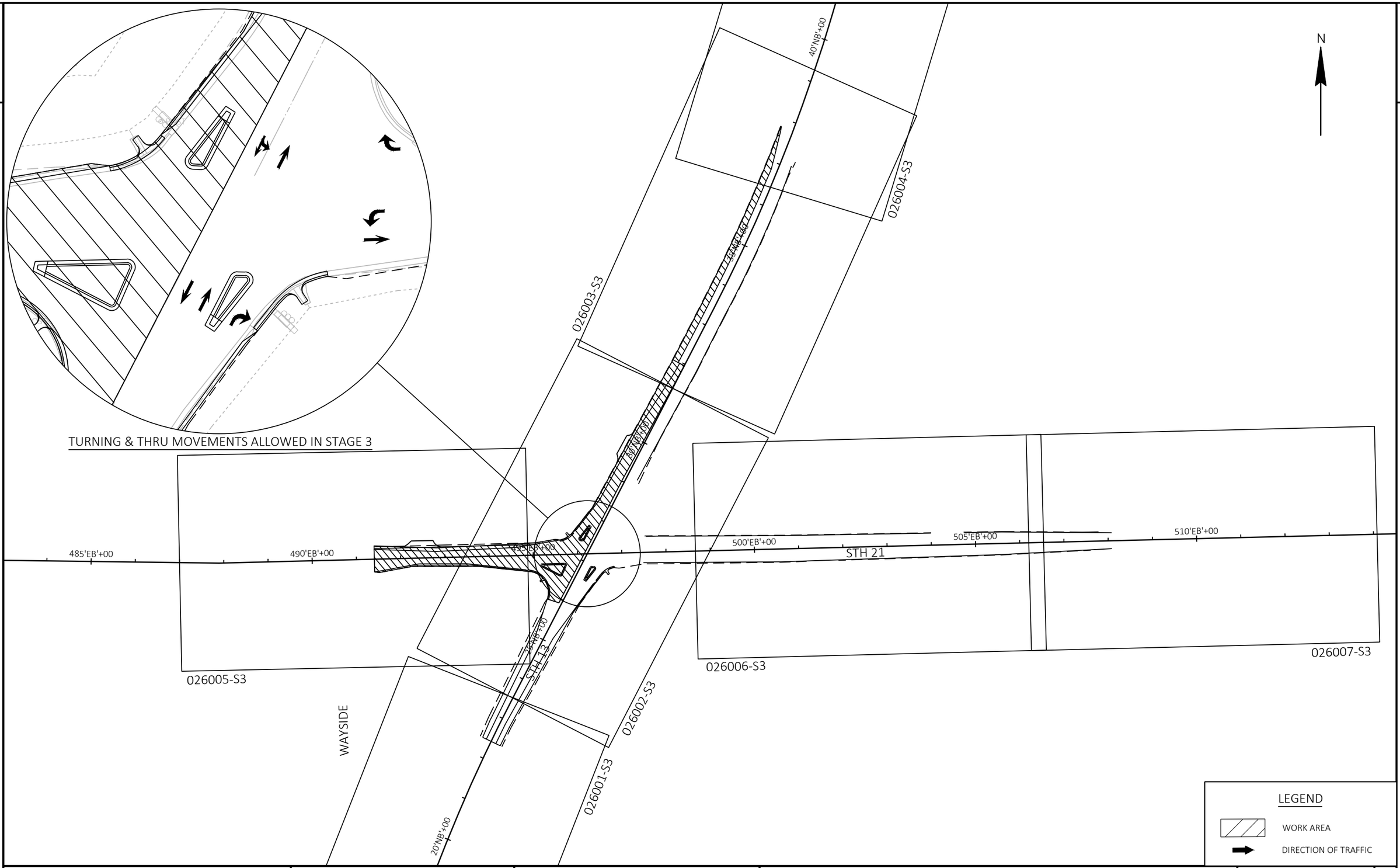
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 2	SHEET 67	E

FILE NAME : N:\PDS\C3D\61400101\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026006-s2

PLOT DATE : 4/9/2021 6:25 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 3 OVERVIEW	SHEET 68	E

2

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.



W12-52
48"X48"

EXISTING R/W

WAYSIDE

FN:

N

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

16'NB'+00
17'NB'+00
R/L STH 13
18'NB'+00
19'NB'+00
STH 13
20'NB'+00
21'NB'+00
22'NB'+00
23'NB'+00

12'
12'

EXISTING R/W

500'



WO1-4R
48"X48"

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

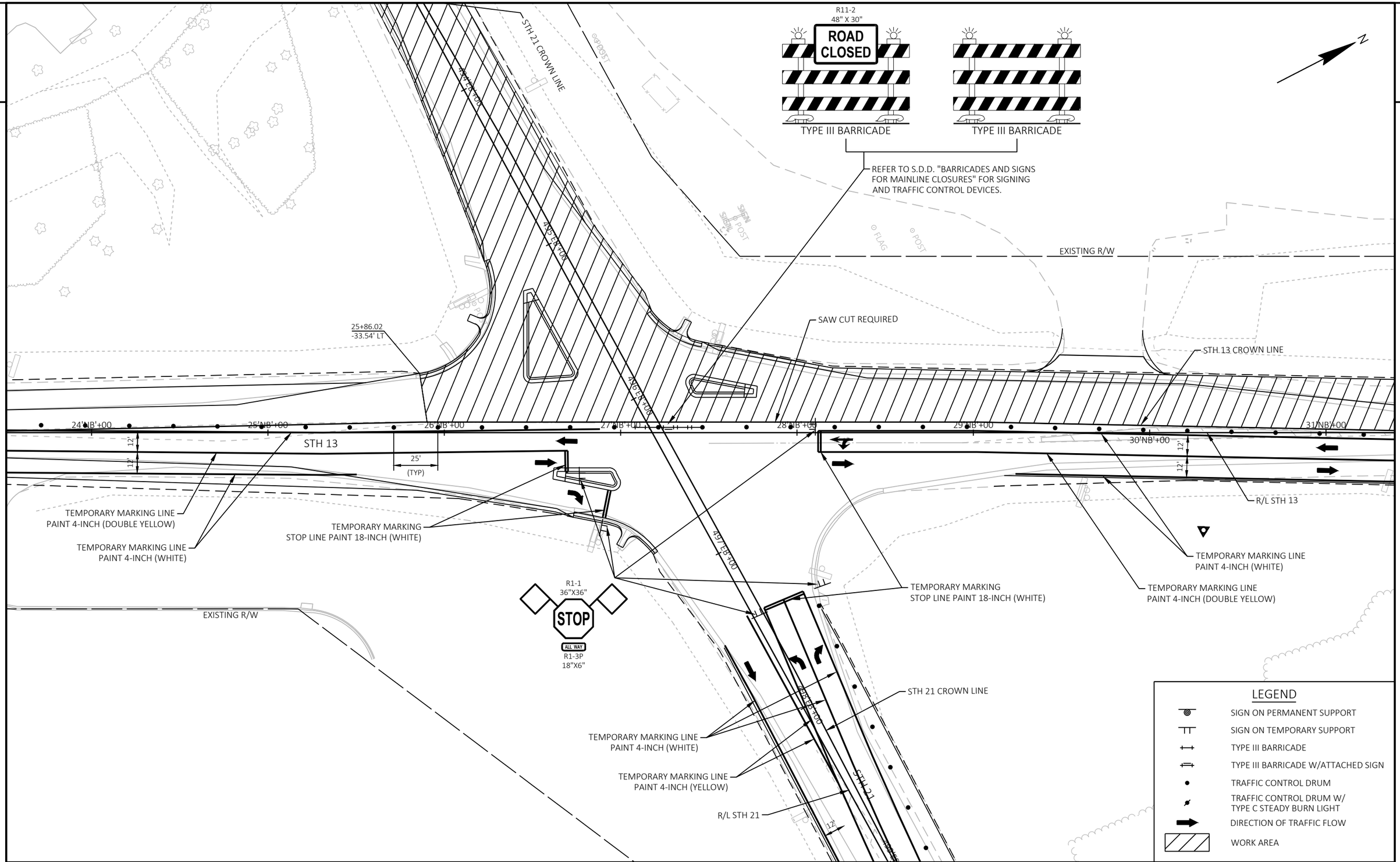
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 3	SHEET 69	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026001-s3

PLOT DATE : 4/8/2021 4:08 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 3	SHEET 70	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026002-s3
PLOT DATE : 4/8/2021 4:08 PM
PLOT BY : SMITH, JENNIFER B
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

EXISTING R/W

SAW CUT ALONG EXISTING LANE EDGE AND REMOVE EXISTING PAVED SHOULDER

COVERING SIGNS TYPE II

SAW CUT ALONG EXISTING LANE EDGE AND REMOVE EXISTING PAVED SHOULDER

R/L STH 13

31+96.25
-15.64' LT

18' 18' 1' 17' 17' 18' 16'

25' (TYP)

32'NB'+00 33'NB'+00 34'NB'+00 35'NB'+00 36'NB'+00 37'NB'+00 38'NB'+00 39'NB'+00

STH 13

31+96.25
0.00'

50' (TYP)

SAW CUT REQUIRED

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

WO1-4L
48"X48"

WO1-6
48" X 24"
TYPE III BARRICADE

R1-1
36"X36"
STOP
ALL WAY
R1-3P
18"X6"

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 3	SHEET 71	E

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.



W12-52
48"X48"



WO1-4L
48"X48"

SAW CUT ALONG EXISTING LANE EDGE AND REMOVE EXISTING PAVED SHOULDER

500' FROM TAPER

EXISTING R/W

COVERING SIGNS TYPE II

16'

37+81.59
-28.95' LT

25' (TYP)

R/L STH 13

37'NB'+00

38'NB'+00

39'NB'+00

40'NB'+00

41'NB'+00

42'NB'+00

43'NB'+00

44'NB'+00

STH 13

POST

FN

WO1-6
48" X 24"

TYPE III BARRICADE

TEMPORARY MARKING LINE PAINT
4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT
4-INCH (DOUBLE YELLOW)

EXISTING R/W

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 3	SHEET 72 E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026004-s3

PLOT DATE : 4/8/2021 4:08 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

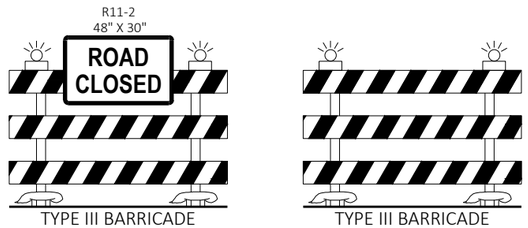
2

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.



W12-52
48"X48"



TYPE III BARRICADE

TYPE III BARRICADE

REFER TO S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR SIGNING AND TRAFFIC CONTROL DEVICES.

N

2

EXISTING R/W

491+40.72
-30.38' LT

STH 21 CROWN LINE

B'+00

488'EB'+00

R/L STH 21

489'EB'+00

STH 21

490'EB'+00

491'EB'+00

492'EB'+00

493'EB'+00

494'EB'+00

491+40.54
28.70' RT

SAW CUT REQUIRED

EXISTING R/W

25+
-33

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 3	SHEET 73	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026005-s3

PLOT DATE : 4/8/2021 4:08 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

EXISTING R/W

TEMPORARY MARKING
ARROW PAINT

50'
(TYP)

R/L STH 21

499'EB'+00
500'EB'+00
501'EB'+00
502'EB'+00
503'EB'+00
504'EB'+00
505'EB'+00
506'EB'+00

STH 21

12'

12'

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

EXISTING R/W

WO1-4L
48"X48"

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 3	SHEET 74	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026006-s3

PLOT DATE : 4/8/2021 4:08 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.



W12-52
48"X48"

N

WO1-6
48" X 24"

TYPE III BARRICADE

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

EXISTING R/W

SIGN
POST
POST
POST
POST
SIGN

WO1-4L
48"X48"

500' FROM TAPER

POST

507'EB'+00
508'EB'+00
509'EB'+00
510'EB'+00
511'EB'+00
512'EB'+00
STH 21
513'EB'+00
514'EB'+00

R/L STH 21

/W

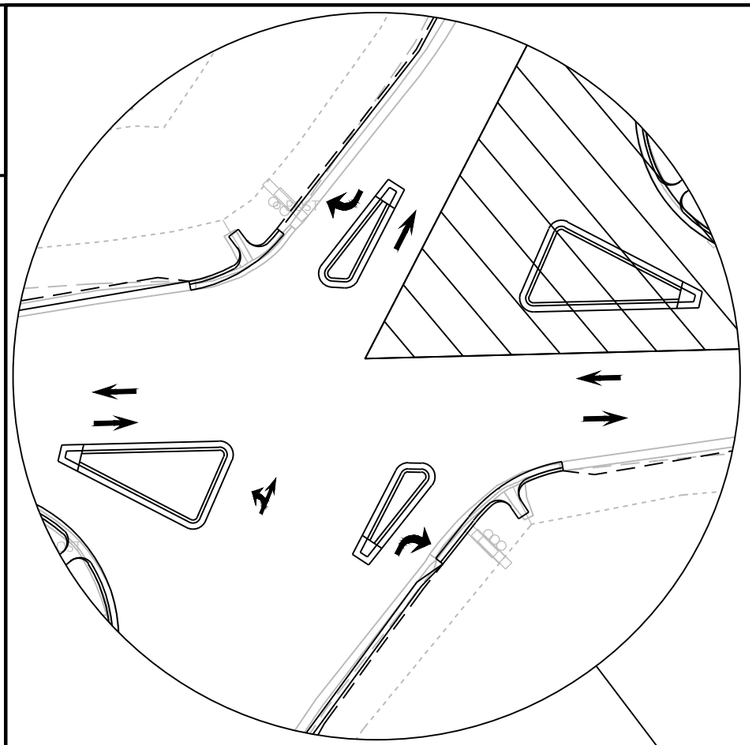
EXISTING R/W

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 3	SHEET 75	E

2



TURNING & THRU MOVEMENTS
ALLOWED IN STAGE 4

N

026004-S4

40'NB'+00

026003-S4

35'NB'+00

026002-S4

STH 13

30'NB'+00

026007-S4

026005-S4

485'EB'+00

490'EB'+00

495'EB'+00

500'EB'+00

505'EB'+00

510'EB'+00

515'EB'+00

STH 21

25'NB'+00

026006-S4

WAYSIDE

026001-S4

LEGEND

WORK AREA

DIRECTION OF TRAFFIC

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 4 OVERVIEW	SHEET 76	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026000-S4.DWG
LAYOUT NAME - 026300-s4

PLOT DATE : 4/8/2021 4:09 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

EXISTING R/W

WAYSIDE

FN

R/L STH 13

17'NB'+00

18'NB'+00

19'NB'+00

20'NB'+00

21'NB'+00

22'NB'+00

23'NB'+00

24'NB'+00

STH 13

12'

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

TYPE III BARRICADE

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

EXISTING R/W

500' FROM TAPER

WO1-4L
48"X48"

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W2O-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.

MAX. 12' WIDTH

W12-52
48"X48"

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 4	SHEET 77	E

2

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

10' (TYP)

495'EB+00

495'EB+00

495'EB+00

R1-1
36"X36"

STOP

ALL WAY

R1-3P
18"X6"

SAW CUT REQUIRED

25'
(TYP)

29+02.14
-6.00' LT

EXISTING R/W

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

STH 13 CROWN LINE

25'NB+00

26'NB+00

27'NB+00

28'NB+00

29'NB+00

30'NB+00

31'NB+00

32'NB+0

STH 13

27'NB'+21.45, -6.00' LT

R/L STH 13

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

BEGIN
RIGHT
TURN
LANE

R3-20R
24"X36"

TEMPORARY MARKING STOP LINE
PAINT 18-INCH (WHITE)

SAW CUT REQUIRED

12'

12'

25'
(TYP)

STH 21

495'EB+00

STH 21 CROWN LINE

EXISTING R/W

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

R/L STH 21

490'EB+00

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 4	SHEET 78	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S4.DWG
LAYOUT NAME - 026002-s4

PLOT DATE : 4/8/2021 4:09 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

EXISTING R/W

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

32'NB'+00

33'NB'+00

34'NB'+00

35'NB'+00

36'NB'+00

37'NB'+00

38'NB'+00

39'NB'+00

STH 13

37+06.61
25.84' RT

50'
(TYP)

15'
(TYP)

35+31.65
15.40' RT

R/L STH 13

SAW CUT ALONG SHOULDER
3' OF PAVED SHOULDER TO REMAIN

WO1-4R
48"X48"

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 4	SHEET 79	E

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

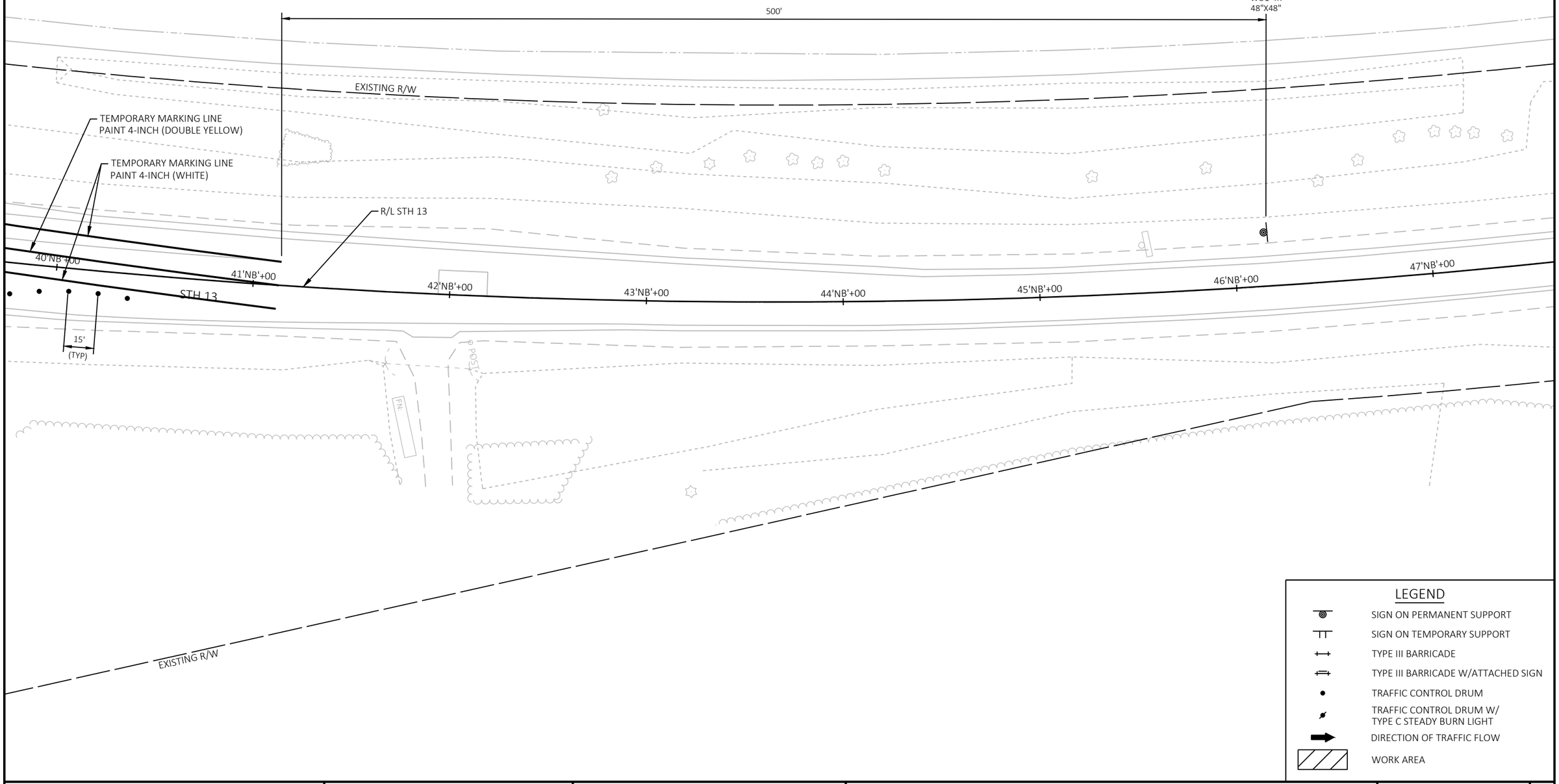
NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.



W12-52
48"X48"



WO1-4R
48"X48"



LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 4	SHEET 80	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S4.DWG
LAYOUT NAME - 026004-s4

PLOT DATE : 4/8/2021 4:09 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

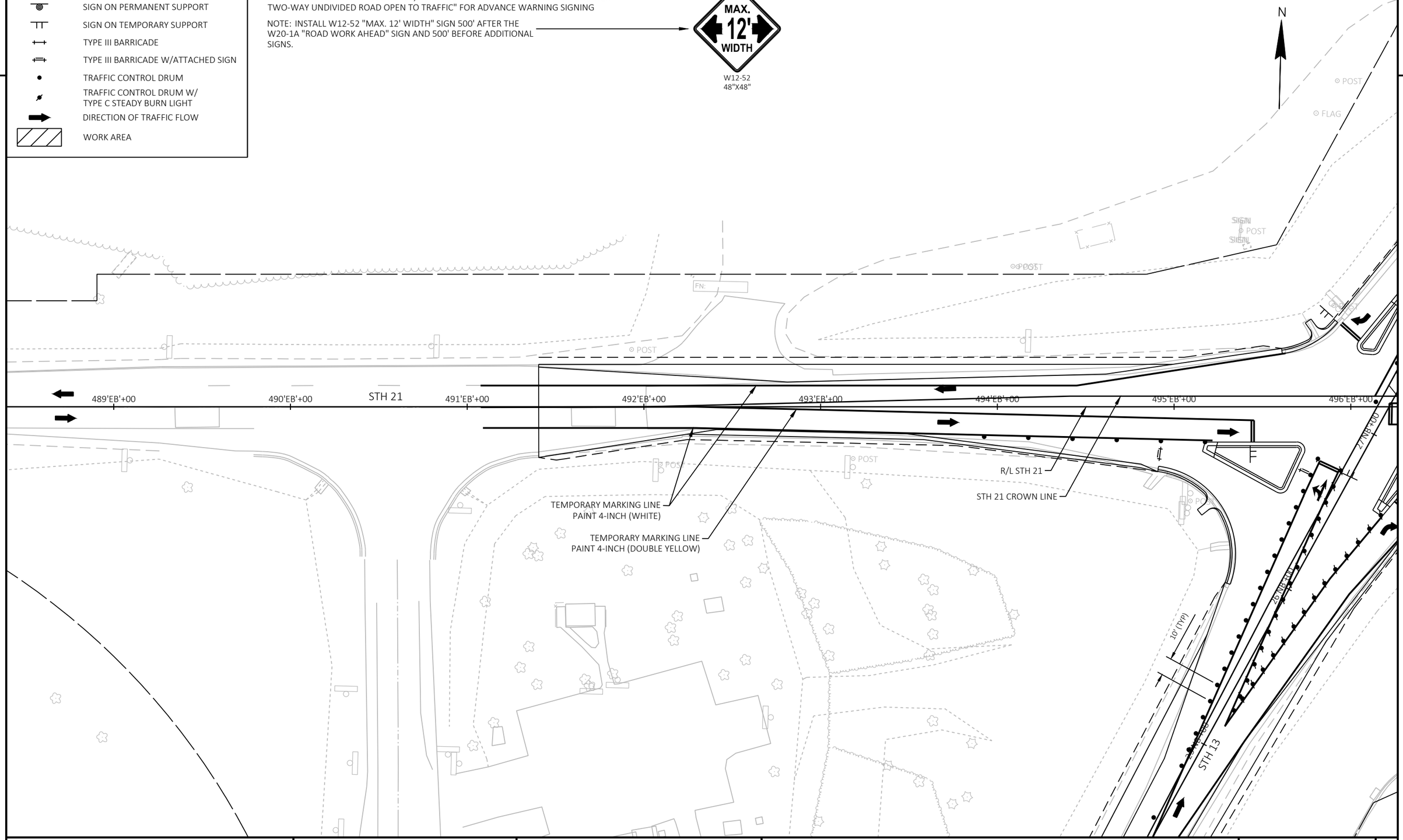
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W20-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.



W12-52
48"X48"



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 4	SHEET 81	E

2

2

N

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

EXISTING R/W

SAW CUT ALONG SHOULDER
REMOVE PORTION OF PAVED SHOULDER

SAW CUT REQUIRED

25'
(TYP)

500+59.13
-23.53' LT

R/L STH 21

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)

499'EB'+00 500'EB'+00 501'EB'+00 502'EB'+00 503'EB'+00 504'EB'+00 505'EB'+00 506'EB'+00

500+58.63
-0.13' LT

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

EXISTING R/W

WO1-4L
48"X48"

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 4	SHEET 82	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S4.DWG
LAYOUT NAME - 026006-s4

PLOT DATE : 4/8/2021 4:09 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR ADVANCE WARNING SIGNING

NOTE: INSTALL W12-52 "MAX. 12' WIDTH" SIGN 500' AFTER THE W2O-1A "ROAD WORK AHEAD" SIGN AND 500' BEFORE ADDITIONAL SIGNS.

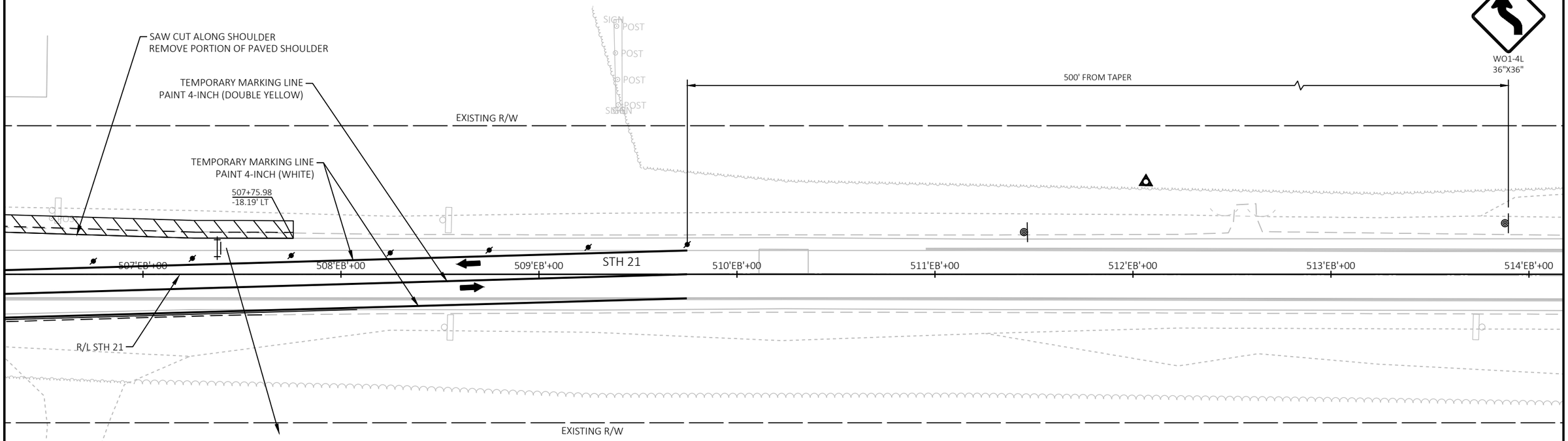


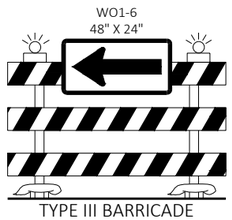
W12-52
48"X48"

N



WO1-4L
36"X36"





WO1-6
48" X 24"

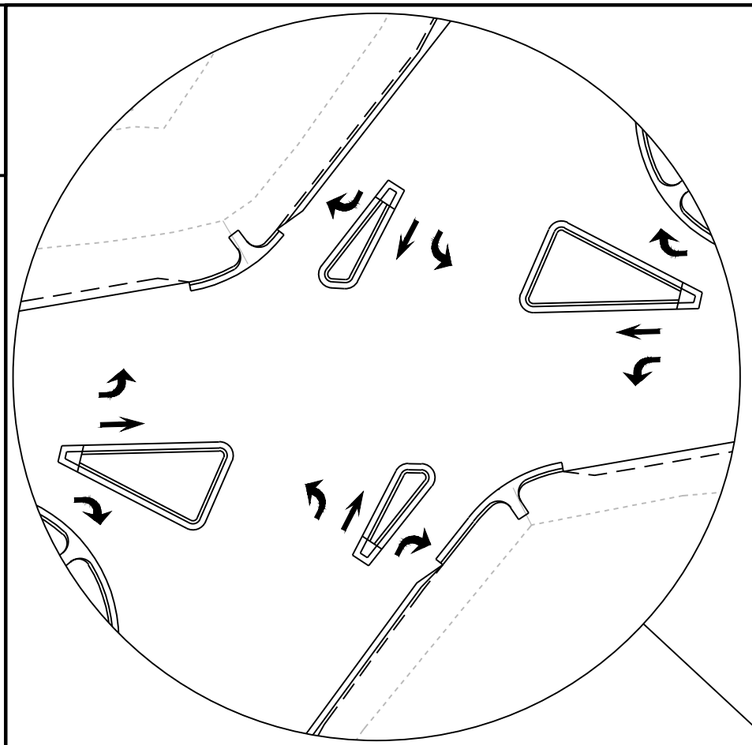
TYPE III BARRICADE

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 4	SHEET 83	E

2



TURNING & THRU MOVEMENTS
ALLOWED IN STAGE 5

N

026001-S5

026002-S5

026003-S5

40'NB+00

30'NB+00

20'NB+00

STH 13

STH 21

WAYSIDE

485'EB+00

490'EB+00

495'EB+00

500'EB+00

505'EB+00

510'EB+00

515'EB

LEGEND

WORK AREA

DIRECTION OF TRAFFIC

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 5 OVERVIEW	SHEET 84	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026000-S5.DWG
LAYOUT NAME - 026400-s5

PLOT DATE : 4/8/2021 4:09 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

SAW CUT ALONG SHOULDER
3' OF PAVED SHOULDER TO REMAIN

R/L STH 13

REFER TO S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR SIGNING AND TRAFFIC CONTROL DEVICES.

30+21.18
-32.58' LT

37+81.59
-26.17' LT

31'NB'+00

32'NB'+00

33'NB'+00

34'NB'+00

35'NB'+00

36'NB'+00

37'NB'+00

38'NB

STH 13

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 5	SHEET 85	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S5.DWG
LAYOUT NAME - 026001-s5

PLOT DATE : 4/8/2021 4:09 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

EXISTING R/W

R/L STH 21

POST

SIGN

501'EB'+00 502'EB'+00 503'EB'+00 504'EB'+00 505'EB'+00 STH 21 506'EB'+00 507'EB'+00 508'EB'+00

501+90.66
28.00' RT

507+54.48
17.84' RT

EXISTING R/W

SAW CUT ALONG SHOULDER
REMOVE PORTION OF PAVED SHOULDER

REFER TO S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR SIGNING AND TRAFFIC CONTROL DEVICES.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 5	SHEET 86	E

2

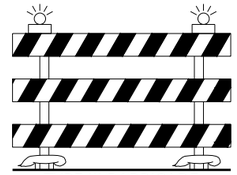
LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE W/ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ TYPE C STEADY BURN LIGHT
- DIRECTION OF TRAFFIC FLOW
- WORK AREA

R11-2
48" X 30"



TYPE III BARRICADE



TYPE III BARRICADE

REFER TO S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR SIGNING AND TRAFFIC CONTROL DEVICES.

N

EXISTING R/W

12'WA'+00

13'WA'+00

14'WA'+00

15'WA'+00

16'WA'+00

17'WA'+00

18'WA'+00

WAYSIDE

11'WA'+00

REMOVING ASPHALT SURFACE
BUTT JOINTS REQUIRED

19'NB'+00

STH 13

20'NB'+00

21'NB'+00

11'WS'+00

12'WS'+00

REMOVING ASPHALT SURFACE
BUTT JOINTS REQUIRED

492'EB'+00

POST

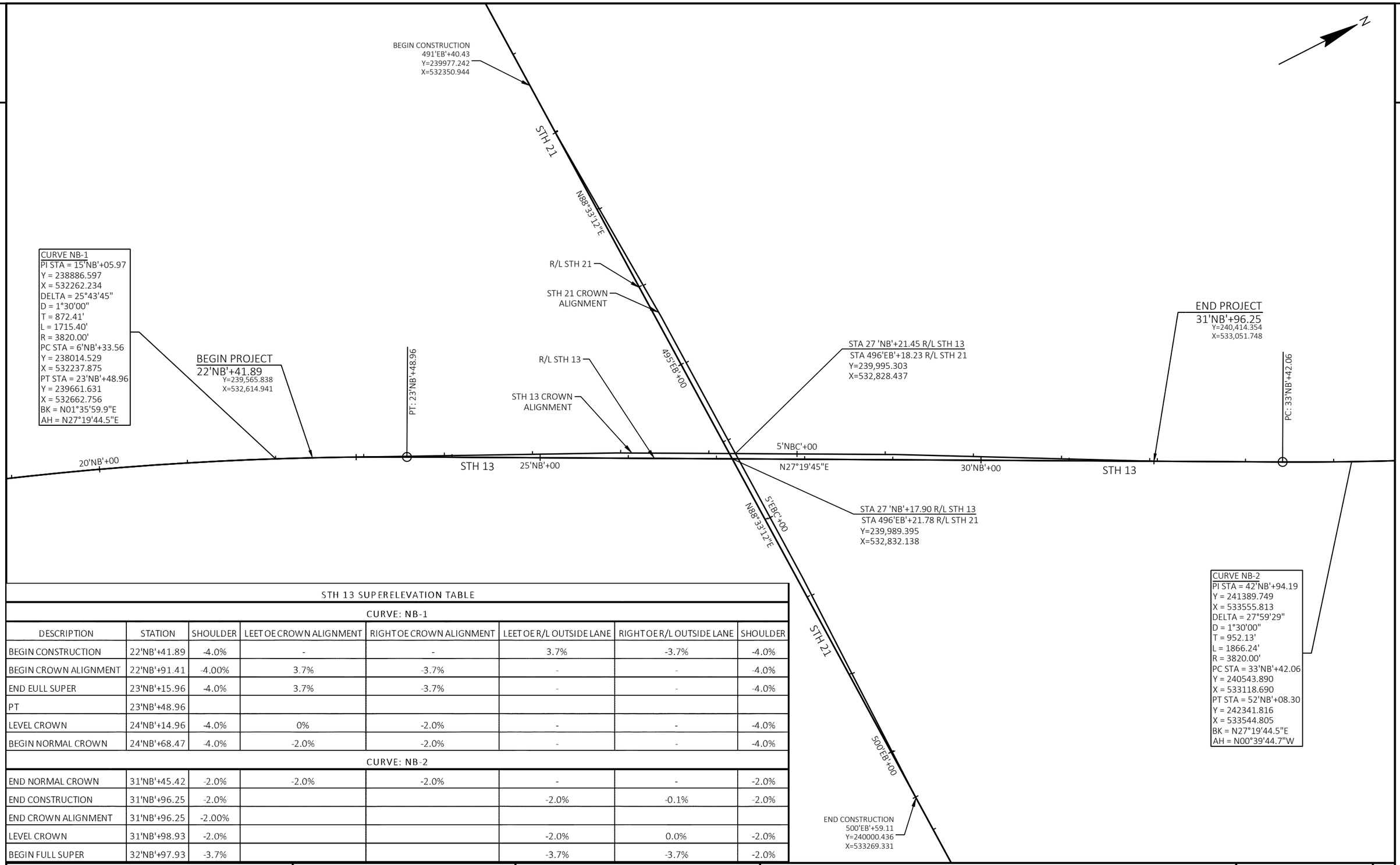
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	STAGE CONSTRUCTION: STAGE 5	SHEET 87	E

FILE NAME : C:\CIVIL 3D PROJECTS\61400101\SHEETSPLAN\026001-S5.DWG
LAYOUT NAME - 026003-s5

PLOT DATE : 4/8/2021 4:10 PM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



STH 13 SUPERELEVATION TABLE

CURVE: NB-1

DESCRIPTION	STATION	SHOULDER	LEET OE CROWN ALIGNMENT	RIGHT OE CROWN ALIGNMENT	LEET OE R/L OUTSIDE LANE	RIGHT OE R/L OUTSIDE LANE	SHOULDER
BEGIN CONSTRUCTION	22'NB'+41.89	-4.0%	-	-	3.7%	-3.7%	-4.0%
BEGIN CROWN ALIGNMENT	22'NB'+91.41	-4.00%	3.7%	-3.7%	-	-	-4.0%
END EULL SUPER	23'NB'+15.96	-4.0%	3.7%	-3.7%	-	-	-4.0%
PT	23'NB'+48.96						
LEVEL CROWN	24'NB'+14.96	-4.0%	0%	-2.0%	-	-	-4.0%
BEGIN NORMAL CROWN	24'NB'+68.47	-4.0%	-2.0%	-2.0%	-	-	-4.0%
CURVE: NB-2							
END NORMAL CROWN	31'NB'+45.42	-2.0%	-2.0%	-2.0%	-	-	-2.0%
END CONSTRUCTION	31'NB'+96.25	-2.0%			-2.0%	-0.1%	-2.0%
END CROWN ALIGNMENT	31'NB'+96.25	-2.00%					
LEVEL CROWN	31'NB'+98.93	-2.0%			-2.0%	0.0%	-2.0%
BEGIN FULL SUPER	32'NB'+97.93	-3.7%			-3.7%	-3.7%	-2.0%

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	ALIGNMENT DETAIL	SHEET 88	E

6140-01-71

Line	Item	Item Description	Unit	Total	Qty
0002	204.0100	Removing Concrete Pavement	SY	8,171.000	8,171.000
0004	204.0110	Removing Asphaltic Surface	SY	6,356.000	6,356.000
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	90.000	90.000
0008	204.0120	Removing Asphaltic Surface Milling	SY	4,790.000	4,790.000
0010	204.0150	Removing Curb & Gutter	LF	251.000	251.000
0012	204.0195	Removing Concrete Bases	EACH	4.000	4.000
0014	205.0100	Excavation Common	CY	8,840.000	8,840.000
0016	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 6140-01-71	LS	1.000	1.000
0018	213.0100	Finishing Roadway (project) 01. 6140-01-71	EACH	1.000	1.000
0020	305.0110	Base Aggregate Dense 3/4-Inch	TON	829.000	829.000
0022	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	14,705.000	14,705.000
0024	416.1010	Concrete Surface Drains	CY	10.000	10.000
0026	455.0605	Tack Coat	GAL	1,579.000	1,579.000
0028	460.2000	Incentive Density HMA Pavement	DOL	3,440.000	3,440.000
0030	460.6223	HMA Pavement 3 MT 58-28 S	TON	3,443.000	3,443.000
0032	460.6424	HMA Pavement 4 MT 58-28 H	TON	1,918.000	1,918.000
0034	465.0110	Asphaltic Surface Patching	TON	45.000	45.000
0036	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	50.000	50.000
0038	465.0125	Asphaltic Surface Temporary	TON	318.000	318.000
0040	465.0305	Asphaltic Surface Safety Islands	TON	21.000	21.000
0042	465.0450	Asphaltic Intersection Rumble Strips	SY	334.000	334.000
0044	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	2.000	2.000
0046	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	13.000	13.000
0048	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	576.000	576.000
0050	616.0700.S	Fence Safety	LF	141.000	141.000
0052	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6140-01-71	EACH	1.000	1.000
0054	619.1000	Mobilization	EACH	1.000	1.000
0056	620.0300	Concrete Median Sloped Nose	SF	200.000	200.000
0058	624.0100	Water	MGAL	155.000	155.000
0060	625.0500	Salvaged Topsoil	SY	5,843.000	5,843.000
0062	627.0200	Mulching	SY	2,684.000	2,684.000
0064	628.1504	Silt Fence	LF	6,616.000	6,616.000
0066	628.1520	Silt Fence Maintenance	LF	6,616.000	6,616.000
0068	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0070	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0072	628.2004	Erosion Mat Class I Type B	SY	5,843.000	5,843.000
0074	628.7555	Culvert Pipe Checks	EACH	25.000	25.000
0076	628.7570	Rock Bags	EACH	15.000	15.000
0078	629.0210	Fertilizer Type B	CWT	3.680	3.680
0080	630.0120	Seeding Mixture No. 20	LB	158.000	158.000
0082	630.0200	Seeding Temporary	LB	72.000	72.000
0084	630.0500	Seed Water	MGAL	131.000	131.000
0086	633.5200	Markers Culvert End	EACH	2.000	2.000
0088	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	15.000	15.000
0090	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	38.000	38.000
0092	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	21.000	21.000
0094	637.2210	Signs Type II Reflective H	SF	608.370	608.370
0096	637.2230	Signs Type II Reflective F	SF	95.680	95.680
0098	638.2102	Moving Signs Type II	EACH	10.000	10.000
0100	638.2602	Removing Signs Type II	EACH	64.000	64.000
0102	638.3000	Removing Small Sign Supports	EACH	70.000	70.000
0104	638.4000	Moving Small Sign Supports	EACH	18.000	18.000
0106	642.5001	Field Office Type B	EACH	1.000	1.000
0108	643.0300	Traffic Control Drums	DAY	7,823.000	7,823.000

6140-01-71

Line	Item	Item Description	Unit	Total	Qty
0110	643.0420	Traffic Control Barricades Type III	DAY	1,122.000	1,122.000
0112	643.0705	Traffic Control Warning Lights Type A	DAY	2,244.000	2,244.000
0114	643.0715	Traffic Control Warning Lights Type C	DAY	1,647.000	1,647.000
0116	643.0900	Traffic Control Signs	DAY	12,773.000	12,773.000
0118	643.0920	Traffic Control Covering Signs Type II	EACH	3.000	3.000
0120	643.1000	Traffic Control Signs Fixed Message	SF	162.750	162.750
0122	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0124	643.5000	Traffic Control	EACH	1.000	1.000
0126	645.0130	Geotextile Type R	SY	40.000	40.000
0128	646.1020	Marking Line Epoxy 4-Inch	LF	10,581.000	10,581.000
0130	646.3020	Marking Line Epoxy 8-Inch	LF	1,120.000	1,120.000
0132	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	7,083.000	7,083.000
0134	646.5020	Marking Arrow Epoxy	EACH	10.000	10.000
0136	646.5120	Marking Word Epoxy	EACH	5.000	5.000
0138	646.5220	Marking Symbol Epoxy	EACH	2.000	2.000
0140	646.6120	Marking Stop Line Epoxy 18-Inch	LF	104.000	104.000
0142	646.7120	Marking Diagonal Epoxy 12-Inch	LF	176.000	176.000
0144	646.8320	Marking Parking Stall Epoxy	LF	1,079.000	1,079.000
0146	646.9000	Marking Removal Line 4-Inch	LF	7,112.000	7,112.000
0148	646.9100	Marking Removal Line 8-Inch	LF	652.000	652.000
0150	649.0105	Temporary Marking Line Paint 4-Inch	LF	30,067.000	30,067.000
0152	649.0505	Temporary Marking Arrow Paint	EACH	2.000	2.000
0154	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	217.000	217.000
0156	650.4500	Construction Staking Subgrade	LF	3,133.000	3,133.000
0158	650.5000	Construction Staking Base	LF	3,133.000	3,133.000
0160	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	576.000	576.000
0162	650.9910	Construction Staking Supplemental Control (project) 01. 6140-01-71	LS	1.000	1.000
0164	650.9920	Construction Staking Slope Stakes	LF	3,133.000	3,133.000
0166	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	415.000	415.000
0168	653.0140	Pull Boxes Steel 24x42-Inch	EACH	4.000	4.000
0170	654.0101	Concrete Bases Type 1	EACH	4.000	4.000
0172	655.0230	Cable Traffic Signal 5-14 AWG	LF	820.000	820.000
0174	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	875.000	875.000
0176	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. STH 13 & STH 21	LS	1.000	1.000
0178	657.0100	Pedestal Bases	EACH	4.000	4.000
0180	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	4.000	4.000
0182	658.0171	Traffic Signal Face 1S 12-Inch	EACH	8.000	8.000
0184	658.5069	Signal Mounting Hardware (location) 01. STH 13 & STH 21	LS	1.000	1.000
0186	690.0150	Sawing Asphalt	LF	7,323.000	7,323.000
0188	690.0250	Sawing Concrete	LF	1,271.000	1,271.000
0190	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	600.000	600.000
0192	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	300.000	300.000
0194	SPV.0035	Special 01. Excavation Waste	CY	7,669.000	7,669.000
0196	SPV.0060	Special 01. Install State Furnished Flasher Cabinet	EACH	1.000	1.000
0198	SPV.0105	Special 01. Remove Flashing Beacon (STH 13 & STH 21)	LS	1.000	1.000

REMOVING PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
0010										
STAGE 1										
	STH 13	29'NB'+17	-	37'NB'+07	RT	-	243	-	-	
STAGE 1 SUBTOTAL						0	243	0	0	
STAGE 2										
	STH 13	22'NB'+92	-	29'NB'+16	LT & RT	2,583	1,304	-	-	
	STH 13	19'NB'+90	-	20'NB'+24	RT	33	15	-	-	RUMBLE STRIP
	STH 13	22'NB'+45	-	22'NB'+70	RT	33	-	-	-	RUMBLE STRIP
STAGE 2 SUBTOTAL						2,649	1,319	0	0	
STAGE 3										
	STH 21	492'EB'+01	-	498'EB'+25	LT & RT	3,227	1,398	-	-	
	STH 13	31'NB'+69	-	31'NB'+94	LT	33	-	-	-	RUMBLE STRIP
	STH 13	34'NB'+19	-	34'NB'+44	LT	33	15	-	-	RUMBLE STRIP
	STH 21	491'EB'+59	-	491'EB'+84	RT	33	-	-	-	RUMBLE STRIP
STAGE 3 SUBTOTAL						3,326	1,413	0	0	
STAGE 4										
	STH 21	496'EB'+18	-	500'EB'+32	LT	1,965	2,067	-	-	
	STH 21	500'EB'+32	-	500'EB'+57	LT	33	-	-	-	RUMBLE STRIP
	STH 21	502'EB'+53	-	502'EB'+80	LT	33	15	-	-	RUMBLE STRIP
STAGE 4 SUBTOTAL						2,031	2,082	0	0	
STAGE 5										
	STH 13	12'NB'+09	-	12'NB'+49	RT	33	15	-	-	RUMBLE STRIP
	STH 13	30'NB'+21	-	37'NB'+94	LT	-	1,016	-	-	SHOULDER REMOVAL
	STH 13	41'NB'+91	-	42'NB'+22	LT	33	15	-	-	RUMBLE STRIP
	STH 21	481'EB'+48	-	481'EB'+79	RT	33	15	-	-	RUMBLE STRIP
	STH 21	489'EB'+32	-	489'EB'+63	RT	33	15	-	-	RUMBLE STRIP
	STH 21	501'EB'+91	-	508'EB'+08	RT	-	208	-	-	SHOULDER REMOVAL
	STH 21	510'EB'+10	-	510'EB'+37	LT	33	15	-	-	RUMBLE STRIP
	WAYSIDE	10'WA'+78	-	17'WA'+85	LT & RT	-	-	-	3,534	
	WAYSIDE	10'WA'+78	-	10'WA'+80	LT & RT	-	-	45	-	
	WAYSIDE	17'WA'+83	-	17'WA'+85	LT & RT	-	-	45	-	
	WAYSIDE PARKING LOT	10'WS'+00	-	12'WS'+14	LT & RT	-	-	-	1,256	
STAGE 5 SUBTOTAL						165	1,299	90	4,790	
PROJECT TOTAL						**8,171**	**6,356**	**90**	**4,790**	

REMOVING CURB & GUTTER

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0150 REMOVING CURB & GUTTER LF	REMARKS
0010	STH 13	27'NB'+18	-	27'NB'+49	LT	38	STAGE 1
0010	STH 13	27'NB'+39	-	27'NB'+72	LT	76	STAGE 1
0010	STH 13	27'NB'+61	-	27'NB'+90	RT	137	STAGE 1
				PROJECT TOTAL		**251**	

REMOVING CONCRETE BASES

CATEGORY	ROADWAY	STATION	OFFSET	204.0195 REMOVING CONCRETE BASES EACH	REMARKS
0010	STH 21	496'EB'+78	LT	1	STAGE 1
0010	STH 13	27'NB'+43	LT	1	STAGE 1
0010	STH 21	26'NB'+93	RT	1	STAGE 2
0010	STH 21	495'EB'+67	RT	1	STAGE 3
			PROJECT TOTAL	**4**	

PREPARE FOUNDATION FOR ASPHALTIC PAVING

CATEGORY	PROJECT	211.0100 PREPARE FOUNDATION FOR ASPHALTIC PAVING LS
0010	6140-01-71	1
	PROJECT TOTAL	**1**

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 FINISHING ROADWAY (PROJECT) EACH
0010	6140-01-71	1
	PROJECT TOTAL	**1**

BASE AGGREGATE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL	REMARKS
0010									
STAGE 1									
	STH 13	29'NB'+17	-	37'NB'+07	RT	-	1,174	11.7	SHOULDER WIDENING
	STH 21	492'EB'+89	-	508'EB'+08	LT	-	1,081	10.8	SHOULDER WIDENING
STAGE 1 SUBTOTAL						0	2,256	22.6	
STAGE 2									
	STH 13	22'NB'+42	-	29'NB'+28	LT & RT	118	4,115	42.3	SE INTERSECTION QUADRANT
	STH 21	501'EB'+91	-	508'EB'+08	RT	-	479	4.8	SHOULDER WIDENING
							-		
STAGE 2 SUBTOTAL						118	4,593	47.1	
STAGE 3									
	STH 13	25'NB'+87	-	31'NB'+96	LT	169	4,419	45.9	NW INTERSECTION QUADRANT
	STH 13	31'NB'+96	-	37'NB'+94	LT	-	961	9.6	SHOULDER WIDENING
STAGE 3 SUBTOTAL						169	5,380	55.5	
STAGE 4									
	STH 13	27'NB'+21	-	31'NB'+96	LT & RT	116	2,476	25.9	NE INTERSECTION QUADRANT
	STH 13	31'NB'+96	-	37'NB'+07	RT	82	-	0.8	SHOULDER
	STH 21	500'EB'+59	-	508'EB'+08	LT	84	-	0.8	SHOULDER
STAGE 4 SUBTOTAL						282	2,476	27.6	
STAGE 5									
	STH 21	501'EB'+90	-	508'EB'+08	RT	73	-	0.7	SHOULDER
	STH 13	31'NB'+96	-	37'NB'+95	LT	146	-	1.5	SHOULDER
	WAYSIDE	10'WA'+78	-	17'WA'+85	LT & RT	41	-	0.4	SHOULDER
STAGE 5 SUBTOTAL						260	0	2.6	
PROJECT TOTAL						**829**	**14,705**	**155**	

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION	SALVAGED/UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.15	MASS ORDINATE +/- (6)	SPV.0035.01 EXCAVATION WASTE	208.0100 BORROW
DIVISION 1											
STH 13 STAGE 1	29'NB'+17.5 - 37'NB'+06.5	STH 13	438	0	31	438	734	844	-406		
STH 21 STAGE 1	492'EB'+89.5 - 508'EB'+08.3	STH 21	683	0	0	683	16	18	665		
DIVISION 1 SUBTOTAL			1,121	0	31	1,121	750	863	259	259	0
DIVISION 2											
STH 13 STAGE 2	22'NB'+41.8 - 27'NB'+21.5	STH 13	1,526	0	491	1,526	7	8	1,518		
STH 21 STAGE 2	496'EB'+18.4 - 508+08.2	STH 21	1,072	0	297	1,072	7	8	1,064		
DIVISION 2 SUBTOTAL			2,598	0	788	2,598	14	16	2,582	2,582	0
DIVISION 3											
STH 13 STAGE 3	25'NB'+90.2 - 37'NB'+81.6	STH 13	947	0	425	947	253	291	656		
STH 21 STAGE 3	491'EB'+40.5 - 496'EB'+18.2	STH 21	1,537	0	536	1,537	0	0	1,537		
DIVISION 3 SUBTOTAL			2,484	0	961	2,484	253	291	2,193	2,193	0
DIVISION 4											
STH 13 STAGE 4	27'NB'+21.5 - 37'NB'+06.6	STH 13	1,128	0	461	1,128	0	0	1,128		
STH 21 STAGE 4	496'EB'+25.1 - 508'EB'+08.3	STH 21	643	0	297	643	0	0	643		
DIVISION 4 SUBTOTAL			1,771	0	758	1,771	0	0	1,771	1,771	0
DIVISION 5											
STH 13 STAGE 5	30'NB'+21.2 - 37'NB'+81.6	STH 13	672	0	131	672	1	1	671		
STH 21 STAGE 5	501'EB'+90.7 - 508'EB'+08.2	STH 21	194	0	31	194	0	0	194		
DIVISION 5 SUBTOTAL			866	0	162	866	1	1	865	865	0
GRAND TOTAL			8,840	0	2,700	8,840	1,018	1,171	7,669	7,669	0
TOTAL COMMON EXC			8,840								

NOTES:

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

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS NOT INCLUDED IN CUT.

(3) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS PAID FOR UNDER ITEMS 204.0100 REMOVING CONCRETE PAVEMENT AND 204.0110 REMOVING ASPHALTIC SURFACE

(4) AVAILABLE MATERIAL = CUT

(5) EXPANDED FILL FACTOR = 1.15

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

(6) 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.

HMA ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0110 ASPHALTIC SURFACE PATCHING TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0305 ASPHALTIC SURFACE SAFETY ISLANDS TON	REMARKS
0010													
	STAGE 1												
	STH 13	29'NB'+17	-	37'NB'+07	RT	62	240	122	-	-	-	-	SHOULDER WIDENING
	STH 21	492'EB'+89	-	508'EB'+08	LT	-	-	-	-	-	219	-	SHOULDER WIDENING
	STH 13	27'NB'+37	-	27'NB'+74	LT	-	-	-	-	-	9	-	ISLAND
	STH 13	27'NB'+60	-	27'NB'+90	RT	-	-	-	-	-	28	-	ISLAND
	STAGE 1 SUBTOTAL					62	240	122	-	0	257	0	
	STAGE 2												
	STH 13	22'NB'+42	-	29'NB'+28	LT & RT	414	1,085	406	-	19	-	2	SE INTERSECTION QUADRANT
	STH 21	501'EB'+91	-	508'EB'+08	RT	-	-	-	-	-	62	-	SHOULDER WIDENING
	STH 13	19'NB'+90	-	20'NB'+24	RT	6	22	6	-	-	-	-	RUMBLE STRIP
		UNDISTRIBUTED							10				
	STAGE 2 SUBTOTAL					420	1,108	412	10	19	62	2	
	STAGE 3												
	STH 13	25'NB'+87	-	31'NB'+96	LT	430	1,126	421	-	31	-	10	NW INTERSECTION QUADRANT
	STH 13	31'NB'+96	-	37'NB'+94	LT	54	208	106	-	-	-	-	SHOULDER WIDENING
	STH 13	34'NB'+19	-	34'NB'+44	LT	5	19	5	-	-	-	-	RUMBLE STRIP
		UNDISTRIBUTED							15				
	STAGE 3 SUBTOTAL					489	1,353	533	15	31	0	10	
	STAGE 4												
	STH 13	27'NB'+21	-	31'NB'+96	LT & RT	241	632	237	-	-	-	9	NE INTERSECTION QUADRANT
	STH 21	502'EB'+53	-	502'EB'+80	LT	4	16	4	-	-	-	-	RUMBLE STRIP
		UNDISTRIBUTED							20				
	STAGE 4 SUBTOTAL					246	648	241	20	0	0	9	
	STAGE 5												
	WAYSIDE	10'WA'+78	-	17'WA'+85	LT & RT	247	-	431	-	-	-	-	WAYSIDE
	WAYSIDE PARKING LOT	10'WS'+00	-	12'WS'+14	LT & RT	88	-	153	-	-	-	-	WAYSIDE PARKING LOT
	STH 13	12'NB'+09	-	12'NB'+49	RT	6	22	6	-	-	-	-	RUMBLE STRIP
	STH 13	41'NB'+91	-	42'NB'+22	LT	5	17	5	-	-	-	-	RUMBLE STRIP
	STH 21	481'EB'+48	-	481'EB'+79	RT	6	20	5	-	-	-	-	RUMBLE STRIP
	STH 21	489'EB'+32	-	489'EB'+63	RT	6	20	5	-	-	-	-	RUMBLE STRIP
	STH 21	510'EB'+10	-	510'EB'+37	LT	4	15	4	-	-	-	-	RUMBLE STRIP
	STAGE 5 SUBTOTAL					361	95	610	0	0	0	0	
	PROJECT TOTAL					**1,579**	**3,443**	**1,918**	**45**	**50**	**318**	**21**	

3

ASPHALTIC INTERSECTION RUMBLE STRIPS

CATEGORY	ROADWAY	465.0450 ASPHALTIC INTERSECTION RUMBLE STRIPS SY
0010	STH 13	167
0010	STH 21	167
PROJECT TOTAL		**334**

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	REMARKS
0010	STH 13	26'NB'+69	-	26'NB'+97	RT	64	STAGE 2 - SE QUADRANT ISLAND
0010	STH 13	26'NB'+73	-	27'NB'+19	RT	39	STAGE 2 - SE QUADRANT RADII
0010	STH 21	494'EB'+91	-	494'EB'+31	RT	72	STAGE 3 - SW QUADRANT RADII
0010	STH 21	495'EB'+23	-	495'EB'+72	RT	117	STAGE 3 - SW QUADRANT ISLAND
0010	STH 13	27'NB'+17	-	27'NB'+46	LT	22	STAGE 3 - NW QUADRANT RADII
0010	STH 13	27'NB'+39	-	27'NB'+70	LT	69	STAGE 3 - NW QUADRANT ISLAND
0010	STH 21	496'EB'+71	-	497'EB'+22	LT	123	STAGE 4 - NE QUADRANT ISLAND
0010	STH 21	497'EB'+12	-	497'EB'+52	LT	70	STAGE 4 - NE QUADRANT RADII
PROJECT TOTAL						**576**	

CONCRETE SURFACE DRAINS AND FABRIC

CATEGORY	ROADWAY	STATION	OFFSET	416.1010 CONCRETE SURFACE DRAINS CY	645.0130 GEOTEXTILE TYPE R SY	REMARKS
0010	STH 13	26'NB'+20	RT	2	10	STAGE 2
0010	STH 13	27'NB'+04	LT	3	10	STAGE 3
0010	STH 13	27'NB'+35	LT	2	10	STAGE 3
0010	STH 13	28'NB'+18	RT	3	10	STAGE 4
PROJECT TOTAL				**10**	**40**	

CULVERT PIPES AND APRON ENDWALLS

CATEGORY	ROADWAY	STATION	OFFSET	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	521.3124 CULVERT PIPE CORRUGATED STEEL 24-INCH LF	REMARKS
0010	STH 13	33'NB'+45	RT	1	13	STAGE 1
0010	STH 13	33'NB'+45	LT	1	-	STAGE 1
PROJECT TOTAL				**2**	**13**	

NOTE: MINIMUM THICKNESS FOR CULVERT PIPE CORRUGATED STEEL 24-INCH IS 0.064-INCH

FENCE SAFETY

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	616.0700.S FENCE SAFETY LF	REMARKS
0010	STH 13	24'NB'+08	-	24'NB'+41	LT	141	STAGE 1
PROJECT TOTAL						**141**	

MAINTENANCE AND RAPIR OF HAUL ROADS

CATEGORY	PROJECT	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS EACH
0010	6140-01-71	1
PROJECT TOTAL		**1**

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CONCRETE MEDIAN SLOPED NOSE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	REMARKS
0010	STH 13	26'NB'+62	-	26'NB'+68	RT	50	STAGE 2
0010	STH 21	495'EB'+16	-	495'EB'+24	RT	50	STAGE 3
0010	STH 13	27'NB'+70	-	27'NB'+77	LT	50	STAGE 3
0010	STH 21	497'EB'+22	-	497'EB'+30	LT	50	STAGE 4
					PROJECT TOTAL	**200**	

MOBILIZATIONS EROSION CONTROL

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	6140-01-71	5	3
	PROJECT TOTAL	**5**	**3**

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EROSION CONTROL SUMMARY

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH
0010	STH 13	22'NB'+41	-	26'NB'+90	RT	413	413	-	-
0010	STH 13	22'NB'+41	-	25'NB'+96	LT	363	363	-	-
0010	STH 13	27'NB'+41	-	38'NB'+01	LT	990	990	-	-
0010	STH 13	28'NB'+35	-	37'NB'+07	RT	883	883	-	-
0010	STH 21	492'EB'+61	-	495'EB'+03	RT	250	250	-	-
0010	STH 21	492'EB'+84	-	495'EB'+66	LT	284	284	-	-
0010	STH 21	496'EB'+77	-	508'EB'+08	RT	1,082	1,082	-	-
0010	STH 21	497'EB'+41	-	508'EB'+08	LT	1,028	1,028	-	-
0010	STH 13	29'NB'+47	-	29'NB'+47	LT	-	-	4	-
0010	STH 13	33'NB'+36	-	33'NB'+36	LT	-	-	4	-
0010	STH 13	34'NB'+45	-	34'NB'+45	LT	-	-	4	-
0010	STH 21	501'EB'+84	-	501'EB'+84	RT	-	-	4	-
0010	STH 21	504'EB'+78	-	504'EB'+78	LT	-	-	4	-
UNDISTRIBUTED						1,323	1,323	5	15
PROJECT TOTAL						6,616	6,616	25	15

MARKERS CULVERT END

CATEGORY	ROADWAY	STATION	OFFSET	633.5200 MARKERS CULVERT END EACH
0010	STH 13	33'NB'+45	LT & RT	2
PROJECT TOTAL				**2**

FIELD OFFICE

CATEGORY	PROJECT	642.5001 FIELD OFFICE TYPE B EACH
0010	6140-01-71	1
PROJECT TOTAL		**1**

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RESTORATION SUMMARY

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
0010												
STAGE 1												
	STH 21	492'EB'+90	-	495'EB'+94	LT	-	264	-	-	-	7	-
	STH 21	497'EB'+56	-	508'EB'+08	LT	-	434	-	-	-	12	-
	STH 13	29'NB'+19	-	37'NB'+06	RT	-	965	-	-	-	26	-
STAGE 1 SUBTOTAL						0	1,664	0	0.00	0	45	0
STAGE 2												
	STH 13	22'NB'+43	-	29'NB'+35	RT	1,297	-	1,297	0.82	35	-	29
	STH 21	501'EB'+78	-	508'EB'+08	RT	-	377	-	-	-	10	-
STAGE 2 SUBTOTAL						1,297	377	1,297	0.82	35	10	29
STAGE 3												
	STH 21	491'EB'+40	-	495'EB'+31	RT	545	-	545	0.34	15	-	12
	STH 21	491'EB'+41	-	496'EB'+96	LT	620	-	620	0.39	17	-	14
	STH 13	29'NB'+97	-	37'NB'+81	LT	-	644	-	-	-	17	-
STAGE 3 SUBTOTAL						1,166	644	1,166	0.73	31	17	26
STAGE 4												
	STH 13	28'NB'+25	-	37'NB'+06	RT	1,379	-	1,379	0.87	37	-	31
	STH 21	497'EB'+30	-	508'EB'+08	LT	818	-	818	0.52	22	-	18
STAGE 4 SUBTOTAL						2,197	0	2,197	1.38	59	0	49
STAGE 5												
	STH 13	31'NB'+97	-	37'NB'+81	LT	762	-	762	0.48	21	-	17
	STH 21	501'EB'+74	-	508'EB'+08	RT	422	-	422	0.27	11	-	9
STAGE 5 SUBTOTAL						1,184	0	1,184	0.75	32	0	27
PROJECT TOTAL						**5,843**	**2,684**	**5,843**	**3.68**	**158**	**72**	**131**

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1A	STH 21, WEST OF STH 13	J1-1	24" X 36"	6.00	---	---	---	1	1	1	SEE PLAN SHEET
1B	"	R1-1	30" X 30"	5.17	---	---	---	---	1	---	
1C	"	W3-1	36" X 36"	---	9.00	---	1	---	1	1	
1D	"	W3-1	36" X 36"	---	9.00	---	---	---	1	1	MOUNT TO BACK OF SIGN 1E
1E	"	D1-1	60" X 15"	6.25	---	---	2	---	1	1	SEE SIGN DETAILS
1F	"	D2-2	72" X 24"	12.00	---	---	2	---	1	1	SEE SIGN DETAILS
1G	"	J2-3	72" X 57"	28.50	---	---	---	2	1	2	SEE PLAN SHEET
1H	"	W14-3	48" X 36"	---	5.56	---	---	---	---	---	MOUNT TO BACK OF SIGN 1I
1I	"	R2-1	24" X 30"	5.00	---	---	1	---	1	1	55 MPH
1	"	J4-1	24" X 36"	6.00	---	---	1	---	1	1	SEE PLAN SHEET
2	"	D5-62R	---	---	---	---	---	---	1	1	
3	"	D5-62R	48" X 24"	8.00	---	1	---	---	---	---	
4	"	D5-62L	48" X 24"	8.00	---	1	---	---	1	1	
5	"	D1-3	78" X 42"	22.75	---	---	---	2	1	2	SEE SIGN DETAILS
6	"	D1-3	114" X 36"	28.50	---	---	3	---	1	2	SEE SIGN DETAILS
7	"	J3-3	72" X 57"	28.50	---	---	2	---	1	2	SEE PLAN SHEET
8	"	J3-3	---	---	---	---	---	---	1	2	
9	"	JH	---	---	---	---	---	---	1	1	
10	"	R5-1	30" X 30"	6.25	---	1	---	---	---	---	
11	"	R1-2	36" X 31"	3.88	---	---	---	1	1	1	
12	"	R5-1	---	---	---	---	---	---	---	---	
13	"	I55-56	30" X 36"	7.50	---	---	1	---	1	1	INCLUDE NEW BRACKET, 2 PIECE SIGN PER SIGN PLATE
14	"	W12-1D	24" X 24"	---	4.00	1	---	---	1	1	
15	"	R1-1	36" X 36"	7.46	---	---	---	---	1	---	MOUNT ON FLASHING BEACON STANDARD
16	"	R1-3P	24" X 9"	1.50	---	---	---	---	---	---	MOUNT BELOW SIGN 15
17	"	R1-1	36" X 36"	7.46	---	---	---	---	1	---	MOUNT ON FLASHING BEACON STANDARD
18	"	R1-3P	24" X 9"	1.50	---	---	---	---	---	---	MOUNT BELOW SIGN 17
19	VACANT		X	0.00	---	---	---	---	---	---	
20	STH 21, EAST OF STH 13	R1-1	36" X 36"	7.46	---	---	---	---	1	---	MOUNT ON FLASHING BEACON STANDARD
21	"	R1-3P	24" X 9"	1.50	---	---	---	---	---	---	MOUNT BELOW SIGN 20
22	"	R1-1	36" X 36"	7.46	---	---	---	---	1	---	MOUNT ON FLASHING BEACON STANDARD
23	"	R1-3P	24" X 9"	1.50	---	---	---	---	---	---	MOUNT BELOW SIGN 22
24	"	W12-1D	24" X 24"	---	4.00	1	---	---	1	1	
25	"	R5-1	30" X 30"	6.25	---	1	---	---	---	---	
26	"	R1-2	36" X 31"	3.88	---	---	---	1	1	1	
27	"	R5-1	---	---	---	---	---	---	---	---	
28	"	J4-1	24" X 36"	6.00	---	---	1	---	1	1	SEE PLAN SHEET
29	"	J3-3	72" X 57"	28.50	---	---	---	2	1	2	SEE PLAN SHEET
30	"	R2-1	24" X 30"	5.00	---	---	1	---	1	1	55 MPH
31	"	D1-3	114" X 36"	28.50	---	---	3	---	1	2	SEE SIGN DETAILS
32	"	D2-1	54" X 15"	5.63	---	2	---	---	1	2	SEE SIGN DETAILS
33	"	D1-3	78" X 42"	22.75	---	---	2	---	1	2	SEE SIGN DETAILS
34	"	J2-3	72" X 57"	28.50	---	---	---	2	1	2	SEE PLAN SHEET
35	"	W14-3	48" X 36"	---	5.56	---	1	---	1	1	
PAGE SUBTOTALS				353.15	37.12	8	21	11	33	38	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
36	STH 21, EAST OF STH 13	W3-1	36" X 36"	---	9.00	---	1	---	1	1	
37	"	W3-1	36" X 36"	---	9.00	---	1	---	1	1	
38	"	J1-1	24" X 36"	6.00	---	---	---	1	---	---	SEE PLAN SHEET
39	"	J1-1	---	---	---	---	---	---	1	1	
40	STH 13, SOUTH OF STH 21	J1-1	---	---	---	---	---	---	1	1	
41	"	J1-1	24" X 36"	6.00	---	---	---	1	---	---	SEE PLAN SHEET
42	"	W3-1	36" X 36"	---	9.00	---	1	---	---	---	
43	"	W3-1	36" X 36"	---	9.00	---	1	---	---	---	
44	"	J2-3	---	---	---	---	---	---	1	2	
45	"	D5-62L	48" X 24"	8.00	---	1	---	---	1	1	
46	"	W3-1	---	---	---	---	---	---	1	1	
47	"	J2-3	72" X 57"	28.50	---	---	---	2	---	---	SEE PLAN SHEET
48	"	D5-62R	48" X 24"	8.00	---	1	---	---	---	---	
49	"	R2-1	---	---	---	---	---	---	1	1	
50	"	I55-56	30" X 36"	7.50	---	---	1	---	1	1	INCLUDE NEW BRACKET, 2 PIECE SIGN PER SIGN PLATE
51	"	D1-4	66" X 54"	24.75	---	---	2	---	1	2	SEE SIGN DETAILS
52	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	55 MPH
53	"	J4-1	---	---	---	---	---	---	1	1	
54	"	J4-1	24" X 36"	6.00	---	---	1	---	---	---	SEE PLAN SHEET
55	"	J3-2	48" X 57"	19.00	---	---	---	1	---	---	SEE PLAN SHEET
56	"	R1-2	36" X 31"	3.88	---	---	1	---	1	1	
57	"	J3-1	---	---	---	---	---	---	1	1	
58	"	J3-1	---	---	---	---	---	---	1	1	
59	"	R5-1	30" X 30"	6.25	---	---	1	---	---	---	
60	"	W12-1D	24" X 24"	---	4.00	1	---	---	1	1	
61	"	R1-1	36" X 36"	7.46	---	---	---	---	1	---	MOUNT ON FLASHING BEACON STANDARD
62	"	R1-3P	24" X 9"	1.50	---	---	---	---	---	---	MOUNT BELOW SIGN 61
63	"	R1-1	36" X 36"	7.46	---	---	---	---	1	---	MOUNT ON FLASHING BEACON STANDARD
64	"	R1-3P	24" X 9"	1.50	---	---	---	---	---	---	MOUNT BELOW SIGN 63
65	VACANT		X	0.00	---	---	---	---	---	---	
66	VACANT		X	0.00	---	---	---	---	---	---	
67	VACANT		X	0.00	---	---	---	---	---	---	
68	VACANT		X	0.00	---	---	---	---	---	---	
69	VACANT		X	0.00	---	---	---	---	---	---	
	PAGE SUBTOTALS			146.80	40.00	3	11	5	17	17	

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ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
70	STH 13, NORTH OF STH 21	R1-1	36" X 36"	7.46	---	---	---	---	1	---	MOUNT ON FLASHING BEACON STANDARD
71	"	R1-3P	24" X 9"	1.50	---	---	---	---	---	---	MOUNT BELOW SIGN 70
72	"	R1-1	36" X 36"	7.46	---	---	---	---	1	---	MOUNT ON FLASHING BEACON STANDARD
73	"	R1-3P	24" X 9"	1.50	---	---	---	---	---	---	MOUNT BELOW SIGN 72
74	"	R5-1	30" X 30"	6.25	---	1	---	---	---	---	
75	"	J3-2	---	---	---	---	---	---	1	1	
76	"	W12-1D	24" X 24"	---	4.00	1	---	---	1	1	
77	"	R1-2	36" X 31"	3.88	---	---	1	---	1	1	
78	"	R5-1	---	---	---	---	---	---	---	---	
79	"	J3-2	48" X 57"	19.00	---	---	---	1	---	---	SEE PLAN SHEET
80	"	J4-1	24" X 36"	6.00	---	---	1	---	1	1	SEE PLAN SHEET
81	"	I55-56	---	---	---	---	---	---	1	1	
82	"	R2-1	24" X 30"	5.00	---	---	1	---	1	1	55 MPH
83	"	D1-4	6" X 54"	2.25	---	---	---	2	---	---	SEE SIGN DETAILS
84	"	D1-4	---	---	---	---	---	---	1	2	
85	"	J2-3	72" X 57"	28.50	---	---	---	2	---	---	SEE PLAN SHEET
86	"	D2-1	54" X 15"	5.63	---	2	---	---	1	2	SEE SIGN DETAILS
87	"	I55-56	30" X 36"	7.50	---	---	---	---	---	---	MOUNT TO BACK OF SIGN 89 INCLUDE NEW BRACKET, 2 PIECE SIGN PER SIGN PLATE
88	"	W3-1	36" X 36"	---	9.00	---	1	---	1	1	
89	"	W14-3	48" X 36"	---	5.56	---	1	---	1	1	
90	"	J2-3	---	---	---	---	---	---	1	2	
91	"	J1-1	24" X 39"	6.50	---	---	1	---	---	---	SEE PLAN SHEET
92	"	J1-1	---	---	---	---	---	---	1	1	
	PAGE SUBTOTALS			108.43	18.56	4	6	5	14	15	
	PROJECT TOTALS			**608.37**	**95.68**	**15**	**38**	**21**	**64**	**70**	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 1 (NE/NW QUADRANT CLOSURES)				13								
1	STH 21, E. OF STH 13, PLACE RIGHT OF EXISTING J3-4 SIGN	R 3-1	24"X24"	1	13			13					
2	STH 21, E. OF STH 13, MODIFY EXISTING J3-4 SIGN AS SHOWN	MO 4-8	24"X12"	1	13			13					
	"	MO 6-1	21"X21"	1	13			13					AHEAD
2A	STH 21, E. OF STH 13, PLACE 1000' E. OF STH 13 INTERSECTION	M 3-1	24"X12"	1	13			13					
	"	M 1-6	24"X24"	1	13			13					13
	"	W 20-2A	48"X48"	1	13			13					
3	STH 21, E. OF STH 13, PLACE 500' E. OF STH 13 INTERSECTION	R 3-1	24"X24"	1	13			13					
4	STH 21, E. OF STH 13, MODIFY EXISTING J3-4 SIGN AS SHOWN	MO 4-8	24"X12"	1	13			13					
	"	MO 6-1	21"X21"	1	13			13					AHEAD
5	STH 13, N. OF STH 21, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	13			13					
	"	MO 6-1	21"X21"	1	13			13					AHEAD
5A	STH 13, N. OF STH 21, PLACE 1000' N. OF STH 21 INTERSECTION	M 3-4	24"X12"	1	13			13					
	"	M 1-6	24"X24"	1	13			13					21
	"	W 20-2A	48"X48"	1	13			13					
6	STH 13, N. OF STH 21, PLACE ON EXISTING D1-3 SIGN AS SHOWN	A 4-12	9.5"X9.5"	1	13			13					
7	STH 13, N. OF STH 21, PLACE RIGHT OF SIGN #6	R 3-1	24"X24"	1	13			13					
8	STH 13, AT STH 21, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-8	24"X12"	1	13			13					
	"	M 3-4	24"X12"	1	13			13					
	"	M 1-6	24"X24"	1	13			13					21
	"	MO 6-1	21"X21"	1	13			13					AHEAD
9	STH 21, AT WAYSIDE RD, PLACE RIGHT OF EXISTING WAYSIDE SIGN	MO 4-8	24"X12"	1	13			13					
	"	M 3-1	24"X12"	1	13			13					
	"	M 1-6	24"X24"	1	13			13					13
	"	MO 6-1	21"X21"	1	13			13					LEFT
10	STH 13, N. OF WAYSIDE RD, PLACE 250' N. OF WAYSIDE RD	FMS	60"X24"	1	13				10				SEE SIGN DETAIL SHEET
11	STH 13, AT WAYSIDE RD, PLACE 50' PRIOR TO WAYSIDE RD	MO 4-8	24"X12"	1	13			13					
	"	M 3-4	24"X12"	1	13			13					
	"	M 1-6	24"X24"	1	13			13					21
	"	MO 6-1	21"X21"	1	13			13					RIGHT
12	WAYSIDE RD, AT STH 13, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-8	24"X12"	1	13			13					
	"	M 3-1	24"X12"	1	13			13					
	"	M 1-6	24"X24"	1	13			13					13
	"	MO 6-1	21"X21"	1	13			13					LEFT
13	STH 13, S. OF WAYSIDE RD, PLACE 100' S. OF WAYSIDE RD INTERSECTION	M 4-8A	24"X18"	1	13			13					
	"	M 3-1	24"X12"	1	13			13					
	"	M 1-6	24"X24"	1	13			13					13
14	STH 21, W. OF WAYSIDE RD, PLACE 100' W. OF WAYSIDE RD INTERSECTION	M 4-8A	24"X18"	1	13			13					
	"	M 3-4	24"X12"	1	13			13					
	"	M 1-6	24"X24"	1	13			13					21
	PAGE SUBTOTALS			39		0	0	494	10.00	0		0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 2 (STH 13 SOUTH CLOSURE)				28								
1	STH 13, N. OF STH 21, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 5-1R	21"X21"	1	28			28					
1A	STH 13, N. OF STH 21, PLACE 1000' N. OF STH 21 INTERSECTION	M 3-3	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	W 20-2A	48"X48"	1	28			28					
2	STH 13, N. OF STH 21, MODIFY EXISTING D1-3 SIGN AS SHOWN	A 4-12	9.5"X9.5"	1	28			28					
3	STH 13, N. OF STH 21, PLACE RIGHT OF EXISTING J3-2 SIGN	MO 4-8	24"X12"	1	28			28					
	"	M 3-3	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	MO 6-1	21"X21"	1	28			28					RIGHT
4	STH 21, E. OF STH 13, MODIFY EXISTING J3-4 SIGN AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					AHEAD
	"	MO 6-1	21"X21"	1	28			28					AHEAD
5	STH 21, E. OF STH 13, PLACE 500' E. OF STH 13 INTERSECTION	R 3-2	24"X24"	1	28			28					
6	STH 21, E. OF STH 13, MODIFY EXISTING D1-3 SIGN AS SHOWN	A 4-12	9.5"X9.5"	1	28			28					
7	STH 21, E. OF STH 13, PLACE RIGHT OF EXISTING J3-4 SIGN	R 3-2	24"X24"	1	28			28					
8	STH 21, E. OF STH 13, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					AHEAD
8A	STH 21, E. OF STH 13, PLACE 1000' E. OF STH 13 INTERSECTION	M 3-3	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	W 20-2A	48"X48"	1	28			28					
9	STH 21, W. OF STH 13, MOVE EXISTING D1-2 SIGN AS SHOWN					1	2						
10	STH 21, PLACE BELOW SIGN #9	FMS	60"X15"	1					6.25				SEE SIGN DETAIL SHEET
10A	STH 21, E. OF WAYSIDE RD, PLACE 100' E. OF WAYSIDE RD INTERSECTION	M 4-8A	24"X18"	1	28			28					
	"	M 3-2	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
11	STH 21, AT WAYSIDE RD, PLACE RIGHT OF EXISTING WAYSIDE SIGN	D 9-2	24"X24"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					LEFT
12	STH 21, AT WAYSIDE RD, PLACE RIGHT OF EXISTING WAYSIDE SIGN	MO 4-8	24"X12"	1	28			28					
	"	M 3-3	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	MO 6-1	21"X21"	1	28			28					LEFT
12A	STH 21, W. OF WAYSIDE RD, PLACE 100' W. OF WAYSIDE RD INTERSECTION	M 4-8A	24"X18"	1	28			28					
	"	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
13	STH 21, W. OF WAYSIDE RD, MOVE EXISTING D1-3 SIGN AS SHOWN		24"X8"			1	2						
14	STH 21, W. OF WAYSIDE RD, MODIFY EXISTING J3-3 AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 5-1R	21"X21"	1	28			28					
15	STH 21, W. OF WAYSIDE RD, MOVE EXISTING D1-2 SIGN AS SHOWN					1	2						
15A	STH 21, W. OF WAYSIDE RD, PLACE 1000' W. OF WAYSIDE RD INTERSECTION	M 3-3	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					
	"	W 20-2A	48"X48"	1	28			28					
16	STH 21, AT WAYSIDE RD, PLACE RIGHT OF EXISTING WAYSIDE SIGN	MO 4-8	24"X12"	1	28	1	2	28					
	"	MO 6-1	21"X21"	1	28			28					AHEAD
17	STH 21, AT WAYSIDE RD, PLACE RIGHT OF SIGN #16					1	1						
18	WAYSIDE RD, AT STH 13, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-8	24"X12"	1	28			28					
	"	M 3-3	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	MO 6-1	21"X21"	1	28			28					RIGHT
	PAGE SUBTOTALS			45		5	9	1,232	6.25	0		0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 28 DAYS	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 2 (STH 13 SOUTH CLOSURE) CONT												
19	WAYSIDE RD, AT STH 13, PLACE RIGHT OF SIGN #18	D 9-2	24"X24"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					RIGHT
20	STH 13, N. OF WAYSIDE RD, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1						7			PLACE IN ADVANCE OF CLOSURE
21	STH 13, S. OF STH 21, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1						7			PLACE IN ADVANCE OF CLOSURE
22	STH 13, S. OF WAYSIDE RD, PLACE 500' S. OF WAYSIDE RD	MO 4-8	24"X12"	1	28			28					
	"	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	MO 5-1L	21"X21"	1	28			28					
22A	STH 13, S. OF WAYSIDE RD, PLACE 1000' S. OF WAYSIDE RD INTERSECTION	M 1-6	24"X24"	1	28			28					21
	"	M 3-1	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	W 20-2A	48"X48"	1	28			28					
23	STH 13, S. OF WAYSIDE RD, PLACE NEXT TO SIGN #22	MO 4-8	24"X12"	1	28			28					
	"	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	MO 5-1L	21"X21"	1	28			28					
24	STH 13, S. OF WAYSIDE RD, PLACE NEXT TO SIGN #23	MO 4-8	24"X12"	1	28			28					
	"	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	MO 5-1L	21"X21"	1	28			28					
25	STH 13, S. OF WAYSIDE RD, PLACE 250' S. OF WAYSIDE RD	FMS	54"X15"	1	28				5.625				SEE SIGN DETAIL SHEET
	"	FMS	60"X24"	1	28				12				SEE SIGN DETAIL SHEET
	"	FMS	66"X15"	1	28				6.875				SEE SIGN DETAIL SHEET
26	STH 13, AT WAYSIDE RD, MODIFY EXISTING J2-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					LEFT
	"	MO 4-8	24"X12"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					LEFT
	"	MO 4-8	24"X12"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					LEFT
27	WAYSIDE RD, S. OF STH 21, PLACE 150' S. OF STH 13 INTERSECTION	FMS	60"X24"	1	28				12				SEE SIGN DETAIL SHEET
	"	FMS	54"X15"	1	28				5.625				SEE SIGN DETAIL SHEET
	"	FMS	66"X15"	1	28				6.875				SEE SIGN DETAIL SHEET
28	WAYSIDE RD, AT STH 21, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-8	24"X12"	1	28			28					
	"	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	MO 6-1	21"X21"	1	28			28					LEFT
29	WAYSIDE RD, AT STH 21, PLACE NEXT TO SIGN #28	MO 4-8	24"X12"	1	28			28					
	"	M 3-1	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	MO 6-1	21"X21"	1	28			28					RIGHT
30	WAYSIDE RD, AT STH 21, PLACE NEXT TO SIGN #29	MO 4-8	24"X12"	1	28			28					
	"	M 3-2	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	MO 6-1	21"X21"	1	28			28					RIGHT
31	STH 13, N. OF STH 21, PLACE 100' N. OF STH 21 INTERSECTION	M 4-8A	24"X18"	1	28			28					
	"	M 3-1	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
32	STH 13, S. OF WAYSIDE RD, PLACE 100' S. OF WAYSIDE RD INTERSECTION	M 4-8A	24"X18"	1	28			28					
	"	M 3-3	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	PAGE SUBTOTALS			50		0	0	1,176	49	14		0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 28 DAYS	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 3 (STH 21 WEST CLOSURE)												
1	STH 13, N. OF STH 21, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					AHEAD
1A	STH 13, N. OF STH 21, PLACE 1000' N. OF STH 21 INTERSECTION	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24'	1	28			28					21
	"	W 20-2A	48"X48"	1	28			28					
2	STH 13, N. OF STH 21, PLACE ON EXISTING D1-3 SIGN AS SHOWN	A 4-12	9.5"X9.5"	1	28			28					
3	STH 13, AT STH 21, PLACE RIGHT OF EXISTING J3-2 SIGN	MO 4-8	24"X12"	1	28			28					
	"	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	MO 6-1	21"X21"	1	28			28					AHEAD
4	STH 21, E. OF STH 13, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 5-1L	21"X21"	1	28			28					
4A	STH 21, E. OF STH 13, PLACE 1000' E. OF STH 13 INTERSECTION	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	W 20-2A	48"X48"	1	28			28					
5	STH 21, E. OF STH 13, MODIFY EXISTING D1-3 SIGN AS SHOWN	A 4-12	9.5"X9.5"	1	28			28					
6	STH 21, E. OF STH 13, MODIFY EXISTING J3-4 SIGN AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					LEFT
7	STH 21, W. OF STH 13, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1						7			PLACE IN ADVANCE OF CLOSURE
8	STH 21, E. OF WAYSIDE RD, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1						7			PLACE IN ADVANCE OF CLOSURE
9	STH 21, W. OF WAYSIDE RD, MOVE EXISTING D1-2 SIGN AS SHOWN					1	2						
9A	STH 21, W. OF WAYSIDE RD, PLACE 1000' W. OF WAYSIDE RD INTERSECTION	M 1-6	24"X24"	1	28			28					13
	"	M 3-2	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	W 20-2A	48"X48"	1	28			28					
10	STH 21, W. OF WAYSIDE RD, MODIFY EXISTING J2-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 5-1R	21"X21"	1	28			28					
	"	MO 4-8	24"X12"	1	28			28					
	"	MO 5-1R	21"X21"	1	28			28					
11	STH 21, W. OF WAYSIDE RD, PLACE 275' W. OF WAYSIDE RD INTERSECTION	FMS	72"X36"	1					18				SEE SIGN DETAIL SHEET
12	STH 21, AT WAYSIDE RD, PLACE RIGHT AT WAYSIDE RD INTERSECTION	MO 4-8	24"X12"	1	28	1	2	28					
	"	MO 6-1	21"X21"	1	28			28					RIGHT
	"	MO 4-8	24"X12"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					RIGHT
13	STH 21, AT WAYSIDE RD, PLACE RIGHT OF SIGN #12					1	1						
14	WAYSIDE RD, N. OF STH 13, PLACE 125' N. OF STH 13 INTERSECTION	FMS	72"X36"	1					18				
15	WAYSIDE RD, AT STH 13, PLACE RIGHT OF EXISTING R1-1 AT STH 13 INTERSECTION	MO 4-8	24"X12"	1	28			28					
	"	M 3-1	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	MO 6-1	21"X21"	1	28			28					LEFT
	PAGE SUBTOTALS			38		3	5	952	36.00	14		0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 28 DAYS	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 3 (STH 21 WEST CLOSURE) CONT												
16	WAYSIDE RD, AT STH 13, PLACE RIGHT OF SIGN #15 AT STH 13 INTERSECTION	MO 4-8	24"X12"	1	28			28					
	"	M 3-1	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	MO 6-1	21"X21"	1	28			28					LEFT
17	WAYSIDE RD, AT STH 13, PLACE RIGHT OF SIGN #16 AT STH 13 INTERSECTION	MO 4-8	24"X12"	1	28			28					
	"	M 3-3	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					13
	"	MO 6-1	21"X21"	1	28			28					RIGHT
18	WAYSIDE RD, AT STH 13, PLACE RIGHT OF SIGN #17 AT STH 13 INTERSECTION	D 9-2	24"X24"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					RIGHT
19	STH 13, S. OF WAYSIDE RD, PLACE 500' S. OF WAYSIDE RD	MO 4-8	24"X12"	1	28			28					
	"	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	MO 5-1L	21"X21"	1	28			28					
19A	STH 13, S. OF WAYSIDE RD, PLACE 1000' S. OF WAYSIDE RD INTERSECTION	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	W 20-2A	48"X48"	1	28			28					
20	STH 13, S. OF WAYSIDE RD, PLACE 250' S. OF WAYSIDE RD	FMS	60"X24"	1					12				SEE SIGN DETAIL SHEET
21	STH 13, AT WAYSIDE RD, MODIFY EXISTING J2-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	28			28					
	"	MO 6-1	21"X21"	1	28			28					LEFT
22	STH 13, AT WAYSIDE RD, PLACE AT WAYSIDE RD INTERSECTION	MO 4-8	24"X12"	1	28			28					
	"	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	"	MO 6-1	21"X21"	1	28			28					RIGHT
23	STH 13, S. OF STH 21, COVER EXISTING D1-3 SIGN AS SHOWN										1	1	COVER SIGN AS SHOWN
24	STH 13, S. OF STH 21, PLACE 500' S. OF STH 21 INTERSECTION	FMS	60"X24"	1	28			28	12				SEE SIGN DETAIL SHEET
25	STH 21, E. OF STH 13, PLACE 100' E. OF STH 13 INTERSECTION	M 4-8A	24"X18"	1	28			28					
	"	M 3-2	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
26	STH 21, W. OF WAYSIDE RD, PLACE 100' W. OF WAYSIDE RD INTERSECTION	M 4-8A	24"X18"	1	28			28					
	"	M 3-4	24"X12"	1	28			28					
	"	M 1-6	24"X24"	1	28			28					21
	PAGE SUBTOTALS			31		0	0	840	24	0		1	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 4 (NE QUADRANT CLOSURE)				19								
1	STH 13, N. OF STH 21, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	19			19					
	"	MO 6-1	21"X21"	1	19			19					RIGHT
	"	MO 4-8	24"X12"	1	19			19					
	"	MO 6-1	21"X21"	1	19			19					RIGHT
1A	STH 13, N. OF STH 21, PLACE 1000' N. OF STH 21 INTERSECTION	M 3-3	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					13
	"	M 3-2	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					21
	"	W 20-2A	48"X48"	1	19			19					
2	STH 13, N. OF STH 21, PLACE 800' N. OF STH 21 INTERSECTION	R 3-2	24"X24"	1	19			19					
	"	R 3-27	24"X24"	1	19			19					
3	STH 13, N. OF STH 21, MODIFY EXISTING D1-3 SIGN AS SHOWN	A 4-12	9.5"X9.5"	1	19			19					
	"	A 4-12	9.5"X9.5"	1	19			19					
4	STH 13, N. OF STH 21, PLACE 150' N. OF STH 21 INTERSECTION	R 3-2	24"X24"	1	19			19					
	"	R 3-27	24"X24"	1	19			19					
5	STH 21, E. OF STH 13, MODIFY EXISTING J2-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	19			19					
	"	MO 6-1	21"X21"	1	19			19					AHEAD
	"	MO 4-8	24"X12"	1	19			19					
	"	MO 6-1	21"X21"	1	19			19					AHEAD
5A	STH 21, E. OF STH 13, PLACE 1000' E. OF STH 13 INTERSECTION	M 1-6	24"X24"	1	19			19					13
	"	W 20-2A	48"X48"	1	19			19					
6	STH 21, E. OF STH 13, PLACE RIGHT OF EXISTING J3-4 SIGN	R 3-2	24"X24"	1	19			19					
	"	R 3-1	24"X24"	1	19			19					
6A	STH 21, E. OF STH 13, MODIFY EXISITNG D3-1 SIGN E. OF STH 13 INTERSECTION	A 4-12	9.5"X9.5"	1	19			19					
7	STH 21, E. OF STH 13, PLACE 500' E. OF STH 13 INTERSECTION	R 3-2	24"X24"	1	19			19					
	"	R 3-1	24"X24"	1	19			19					
8	STH 21, AT STH 13, MODIFY EXISTING J3-4 SIGN AS SHOWN	MO 4-8	24"X12"	1	19			19					
	"	MO 6-1	21"X21"	1	19			19					AHEAD
	"	MO 4-8	24"X12"	1	19			19					
	"	MO 6-1	21"X21"	1	19			19					AHEAD
8A	STH 21, E. OF STH 13, PLACE 100' E. OF STH 13 INTERSECTION	M 4-8A	24"X18"	1	19			19					
	"	M 3-2	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					21
	PAGE SUBTOTALS			33		0	0	627	0.00	0		0	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 4 (NE QUADRANT CLOSURE) CONT				19								
9	STH 21, W. OF STH 13, PLACE 250' W. OF STH 13 INTERSECTION	FMS	54"X15"	1					5.625				SEE SIGN DETAIL SHEET
10	STH 21, W. OF STH 13, PLACE 250' W. OF STH 13 INTERSECTION	FMS	66"X15"	1					6.875				SEE SIGN DETAIL SHEET
11	STH 21, W. OF STH 13, PLACE 250' W. OF STH 13 INTERSECTION	FMS	60"X15"	1					6.25				SEE SIGN DETAIL SHEET
12	STH 21, AT WAYSIDE RD, PLACE RIGHT OF SIGN #13	MO 4-8	24"X12"	1	19			19					
	"	M 3-2	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					21
	"	MO 6-1	21"X21"	1	19			19					LEFT
13	STH 21, AT WAYSIDE RD, PLACE RIGHT OF SIGN #14	MO 4-8	24"X12"	1	19			19					
	"	M 3-3	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					13
	"	MO 6-1	21"X21"	1	19			19					LEFT
14	STH 21, AT WAYSIDE RD, PLACE RIGHT OF EXISTING WAYSIDE SIGN	MO 4-8	24"X12"	1	19			19					
	"	M 3-1	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					13
	"	MO 6-1	21"X21"	1	19			19					LEFT
14A	STH 21, W. OF WAYSIDE RD, PLACE 100' W. OF WAYSIDE RD INTERSECTION	M 4-8A	24"X18'	1	19			19					
	"	M 3-4	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					21
15	WAYSIDE RD, AT STH 21, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-8	24"X12"	1	19			19					
	"	M 3-4	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					21
	"	MO 6-1	21"X21"	1	19			19					LEFT
16	WAYSIDE RD, AT STH 13, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-8	24"X12"	1	19			19					
	"	M 3-1	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					13
	"	MO 6-1	21"X21"	1	19			19					LEFT
17	WAYSIDE RD, AT STH 13, PLACE RIGHT OF SIGN #16	MO 4-8	24"X12"	1	19			19					
	"	M 3-2	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					21
	"	MO 6-1	21"X21"	1	19			19					LEFT
18	WAYSIDE RD, AT STH 13, PLACE RIGHT OF SIGN #17	MO 4-8	24"X12"	1	19			19					
	"	M 3-3	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					13
	"	MO 6-1	21"X21"	1	19			19					RIGHT
	PAGE SUBTOTALS			34		0	0	589	18.75	0		0	

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BY WisDOT - NE REGION

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 4 (NE QUADRANT CLOSURE) CONT				19								
19	STH 13, AT WAYSIDE RD, PLACE RIGHT OF EXISTING WAYSIDE SIGN	MO 4-8	24"X12"	1	19			19					
	"	M 3-4	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					21
	"	MO 6-1	21"X21"	1	19			19					LEFT
19A	STH 13, N. OF WAYSIDE RD, PLACE 100' N. OF WAYSIDE RD INTERSECTION	M 4-8A	24"X18"	1	19			19					
	"	M 3-1	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					13
20	STH 13, S. OF WAYSIDE RD, PLACE 500' S. OF WAYSIDE RD	MO 4-8	24"X12"	1	19			19					
	"	M 3-4	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					21
	"	MO 5-1L	21"X21"	1	19			19					
20A	STH 13, S. OF WAYSIDE RD, PLACE 1000' S. OF WAYSIDE RD INTERSECTION	M 3-4	24"X12'	1	19			19					
	"	M 1-6	24"X24"	1	19			19					21
	"	W 20-2A	48"X48"	1	19			19					
21	WAYSIDE RD, S. OF STH 21, PLACE 150' S. OF STH 21 INTERSECTION	FMS	54"X15"	1					5.625				SEE SIGN DETAIL SHEET
22	WAYSIDE RD, S. OF STH 21, PLACE 150' S. OF STH 21 INTERSECTION	FMS	60"X15"	1					6.25				SEE SIGN DETAIL SHEET
23	WAYSIDE RD, S. OF STH 21, PLACE 150' S. OF STH 21 INTERSECTION	FMS	66"X15"	1					6.875				SEE SIGN DETAIL SHEET
24	STH 13, S. OF WAYSIDE RD, PLACE 100' S. OF WAYSIDE RD INTERSECTION	M 4-8A	24"X18"	1	19			19					
	"	M 3-3	24"X12"	1	19			19					
	"	M 1-6	24"X24"	1	19			19					13
25	STH 21, AT STH 13, PLACE RIGHT OF EXISTING R1-1 SIGN AT STH 13 INTERSECTION	R 3-2	24"X24"	1	19			19					
25A	STH 21, AT STH 13, PLACE RIGHT OF SIGN #25	R 3-1	24"X24"	1	19			19					
26	STH 21, AT WAYSIDE RD, MOVE AND PLACE RIGHT OF SIGN #27 AT WAYSIDE RD INTERSECTION	MO 4-8	24"X12"	1	19	1	2	19					
	"	MO 6-1	21"X21"	1	19			19					RIGHT
	"	MO 4-8	24"X12"	1	19			19					
	"	MO 6-1	21"X21"	1	19			19					RIGHT
27	STH 21, AT WAYSIDE RD, PLACE IMMEDIATELY AT WAYSIDE RD INTERSECTION	R 3-2	24"X24"	1	19			19					
28	STH 21, W. OF WAYSIDE RD, MOVE EXISTING D1-3 SIGN 250' W. OF WAYSIDE RD	A 4-12	9.5"X9.5"	1	19	1	2	19					
29	STH 21, W. OF WAYSIDE RD, MODIFY EXISTING J3-3 SIGN W. OF WAYSIDE RD AS SHOWN	MO 4-8	24"X12"	1	19			19					
	"	MO 5-1R	21"X21"	1	19			19					
	"	MO 4-8	24"X12"	1	19			19					
	"	MO 5-1R	21"X21"	1	19			19					
29A	STH 21, W. OF WAYSIDE RD, PLACE 1000' W. OF WAYSIDE RD INTERSECTION	M 1-6	24"X24"	1	19			19					13
	"	W 20-2A	48"X48"	1	19			19					
	PAGE SUBTOTALS			34		2	4	589	18.75	0		0	
	PROJECT DETOUR TOTALS			**304**		**10**	**18**	**6,499**	**162.75**	**28**		**1**	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

TRAFFIC CONTROL SUMMARY

CATEGORY	LOCATION	DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900 TRAFFIC CONROL SIGNS EACH	643.0900 TRAFFIC CONROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NO. CYCLES	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	REMARKS
0010															
	STAGE 1														
	STH 13 & STH 21	13	31	403	1	13	2	26	-	-	1	13	-	-	
	STH 13 N. OF INTERSECTION	13	18	234	-	-	-	-	-	-	5	65	-	-	WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
	STH 21	13	40	520	-	-	-	-	-	-	6	78	-	-	WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
	STAGE 1 SUBTOTAL			1,157		13		26		0		156	-	-	
	STAGE 2														
	STH 13 & STH 21	28	68	1,904	16	448	32	896	11	308	18	504	1	2	
	ADVANCED WIDTH SIGNING	28	-	-	-	-	-	-	-	-	40	1,120	-	-	
	STH 13	28	-	-	-	-	-	-	-	-	8	224	-	-	ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER
	STH 21	28	-	-	-	-	-	-	-	-	8	224	-	-	ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER
	STAGE 2 SUBTOTAL			1,904		448		896		308		2,072	-	2	
	STAGE 3														
	STH 13 & STH 21	28	105	2,940	18	504	36	1,008	20	560	25	700	-	-	
	ADVANCED WIDTH SIGNING	28	-	-	-	-	-	-	-	-	40	1,120	-	-	
	STH 13	28	-	-	-	-	-	-	-	-	8	224	-	-	ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER
	STH 21	28	-	-	-	-	-	-	-	-	8	224	-	-	ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER
	STAGE 3 SUBTOTAL			2,940		504		1,008		560		2,268	-	-	
	STAGE 4														
	STH 13 & STH 21	19	78	1,482	3	57	6	114	41	779	26	494	-	-	
	ADVANCED WIDTH SIGNING	19	-	-	-	-	-	-	-	-	40	760	-	-	
	STH 13	19	-	-	-	-	-	-	-	-	8	152	-	-	ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER
	STH 21	19	-	-	-	-	-	-	-	-	8	152	-	-	ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER
	STAGE 4 SUBTOTAL			1,482		57		114		779		1,558	-	-	
	STAGE 5														
	WAYSIDE	10	-	-	10	100	20	200	-	-	2	20	-	-	BARRICADES AND SIGNS FOR MAINLINE CLOSURE
	STH 13 SHOULDER CLOSURE	10	17	170	-	-	-	-	-	-	5	50	-	-	WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
	STH 21 SHOULDER CLOSURE	10	17	170	-	-	-	-	-	-	5	50	-	-	WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
	STH 13 & STH 21 RUMBLE STRIP	10	-	-	-	-	-	-	-	-	10	100	-	-	BARRICADES AND SIGNS FOR MAINLINE CLOSURE
	STAGE 5 SUBTOTAL			340		100		200		0		220	-	-	
	SUBTOTAL			**7,823**		**1,122**		**2,244**		**1,647**		**6,274**		**2**	
	PROJECT TOTAL			**7,823**		**1,122**		**2,244**		**1,647**		***12,773**		***3**	

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE**

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PAVEMENT MARKING SUMMARY

CATEGORY	ROADWAY	STATION	TO	STATION	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH YELLOW LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.8320 MARKING PARKING STALL EPOXY WHITE LF	REMARKS
0010															
STAGE 5															
	STH 13	12'NB'+15	-	12'NB'+48	33	66	-	-	-	-	-	-	-	-	RUMBLE STRIP
	STH 13	19'NB'+89	-	20'NB'+24	33	66	-	-	-	-	-	-	-	-	RUMBLE STRIP
	STH 13	21'NB'+00	-	26'NB'+92	1,056	-	163	1,170	2	1	-	26	55	-	
	STH 13	27'NB'+44	-	41'NB'+13	2,320	-	688	2,724	4	2	-	26	44	-	
	STH 13	41'NB'+91	-	42'NB'+22	-	62	-	-	-	-	-	-	-	-	RUMBLE STRIP
	STH 21	481'EB'+47	-	481'EB'+79	32	-	-	-	-	-	-	-	-	-	RUMBLE STRIP
	STH 21	489'EB'+31	-	489'EB'+63	32	44	-	-	-	-	-	-	-	-	RUMBLE STRIP
	STH 21	491'EB'+06	-	495'EB'+76	808	-	147	919	2	1	-	26	31	-	
	STH 21	496'EB'+68	-	509'EB'+75	2,516	-	122	2,270	2	1	-	26	46	-	
	STH 21	510'EB'+10	-	510'EB'+37	27	39	-	-	-	-	-	-	-	-	RUMBLE STRIP
	WAYSIDE	10'WA'+78	-	17'WA'+85	1,344	1,365	-	-	-	-	-	-	-	120	
	WAYSIDE PARKING LOT	10'WS'+00	-	12'WS'+14	406	332	-	-	-	-	2	-	-	959	
		PROJECT TOTAL			**10,581**		**1,120**	**7,083**	**10**	**5**	**2**	**104**	**176**	**1,079**	

TEMPORARY PAVEMENT MARKING AND MARKING REMOVALS

CATEGORY	ROADWAY	STATION	TO	STATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH WHITE LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH YELLOW LF	649.0505 TEMPORARY MARKING ARROW PAINT EACH	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	REMARKS
0010											
	STAGE 2										
	STH 13	27'NB'+49	-	30'NB'+00	-	280	96	96	1	28	
	STH 21	491'EB'+14	-	495'EB'+69	1,117	70	908	908	-	12	
	STH 21	497'EB'+28	-	509'EB'+73	1,910	77	2,455	2,486	-	20	
	STAGE 2 SUBTOTAL				3,027	427	6,949		1	60	
	STAGE 3										
	STH 13	21'NB'+04	-	26'NB'+90	423	-	1,028	1,164	-	27	
	STH 13	27'NB'+66	-	41'NB'+13	2,150	225	2,538	2,694	-	12	
	STH 21	497'EB'+03	-	509'EB'+71	913	-	2,637	2,530	1	35	
	STAGE 3 SUBTOTAL				3,486	225	12,591		1	74	
	STAGE 4										
	STH 13	21'NB'+04	-	26'NB'+90	-	-	1,378	1,138	-	27	
	STH 13	27'NB'+18	-	41'NB'+13	599	-	2,676	2,670	-	14	
	STH 21	491'EB'+14	-	495'EB'+69	-	-	815	900	-	30	
	STH 21	496'EB'+16	-	509'EB'+71	-	-	200	750	-	12	
	STAGE 4 SUBTOTAL				599	0	10,527		0	83	
	PROJECT TOTAL				**7,112**	**652**	**30,067**		**2**	**217**	

CONSTRUCTION STAKING

CATEGORY	ROADWAY	STATION	TO	STATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
	STH 13	22'NB'+42	-	37'NB'+07	1,465	1,465	288	1,465
	STH 21	491'EB'+40	-	508'EB'+08	1,668	1,668	288	1,668
				PROJECT TOTAL	**3,133**	**3,133**	**576**	**3,133**

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	LOCATION	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL LS
0010	6140-01-71	1
	PROJECT TOTAL	**1**

Electrical Wire Traffic Signals 10 AWG		
LOCATION		655.0515
STH 13 & STH 21 (F0152)		
		(Equipment Grounding Conductor)
		(Green)
FROM	TO	LF
CB1	FB1	110
CB1	PB1	30
FB1	PB2	30
FB1	FB2	145
FB2	PB3	30
FB2	FB3	135
FB3	PB4	30
FB3	FB4	145
FB4	PB5	30
FB4	CB1	190
	TOTAL	875

Pull Boxes, Steel	
	653.0140
	24x42-Inch
LOCATION	EACH
STH 13 & STH 21 (F0152)	4.0000

Concrete Bases	
	654.0101
	Type 1
LOCATION	EACH
STH 13 & STH 21 (F0152)	4
TOTALS	4

TRAFFIC SIGNAL CABLE			
STH 13 & STH 21 (F0152)	655.0230		655.0230
			Base to Head
	5-14	HEAD	5-14
	AWG	NO.	AWG
From CB1 to	LF		LF
FB1	110	5	15
		8	15
FB2	205	2	15
		3	15
FB3	285	6	15
		7	15
FB4	190	1	15
		4	15
TOTALS	790		30

Signal Indication		Conductor Color
Red	=	Red
Yellow	=	Orange
Green	=	Green
Red Arrow	=	Red w/Black Tracer
Yellow Arrow	=	Black w/White Tracer
Yellow Flashing Arrow	=	White w/Black Tracer
Green Arrow	=	Blue w/Black Tracer

Electric Service	
	656.0200
	Meter Breaker Pedestal
LOCATION	LS
STH 13 & STH 21 (F0152)	1

TRAFFIC SIGNALS							
	634.0612	657.0100	657.0420	658.0171	658.5069	SPV.0060.01	SPV.0105.01
				Traffic	Signal	Install	Remove
	Posts Wood		Traffic Signal	Signal	Mounting	State Furnished	Flashing
	4x6-Inch x 12-FT		Standards Aluminum	Face	Hardware	Flasher Cabinet	Beacon
	(STH 13 & STH 21)	Pedestal Bases	13-FT	1S 12-Inch	(STH 13 & STH 21)	(STH 13 & STH 21)	(STH 13 & STH 21)
LOCATION	EACH	EACH	EACH	EACH	LS	EACH	LS
STH 13 & STH 21 (F0152)	1	4	4	8	1	1	1
TOTALS	1	4	4	8	1	1	1

Conduit Rigid Nonmetallic Schedule 40		
Location		
STH 13 & STH 21 (F0152)		652.0225
		2-Inch
FROM	TO	LF
CB1	PB1	10
PB1	PB2	50
PB2	FB1	10
PB2	PB3	85
PB3	FB2	10
PB3	PB4	75
PB4	FB3	10
PB4	PB5	85
PB5	FB4	10
PB5	PB2	70
	TOTALS	415

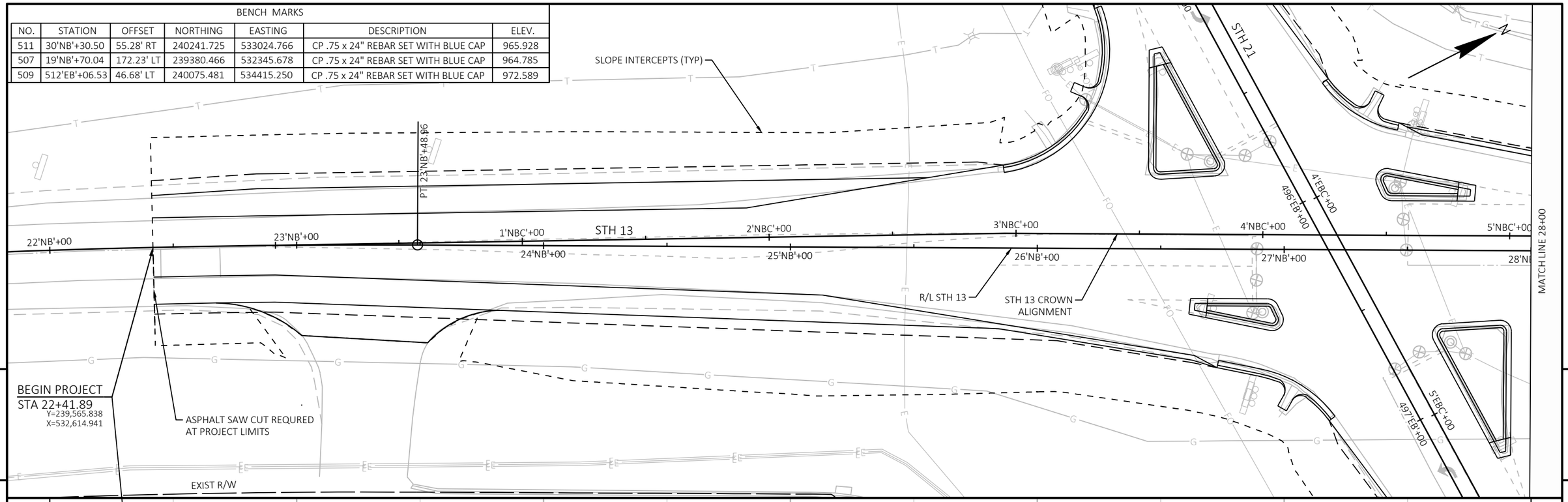
SAWING

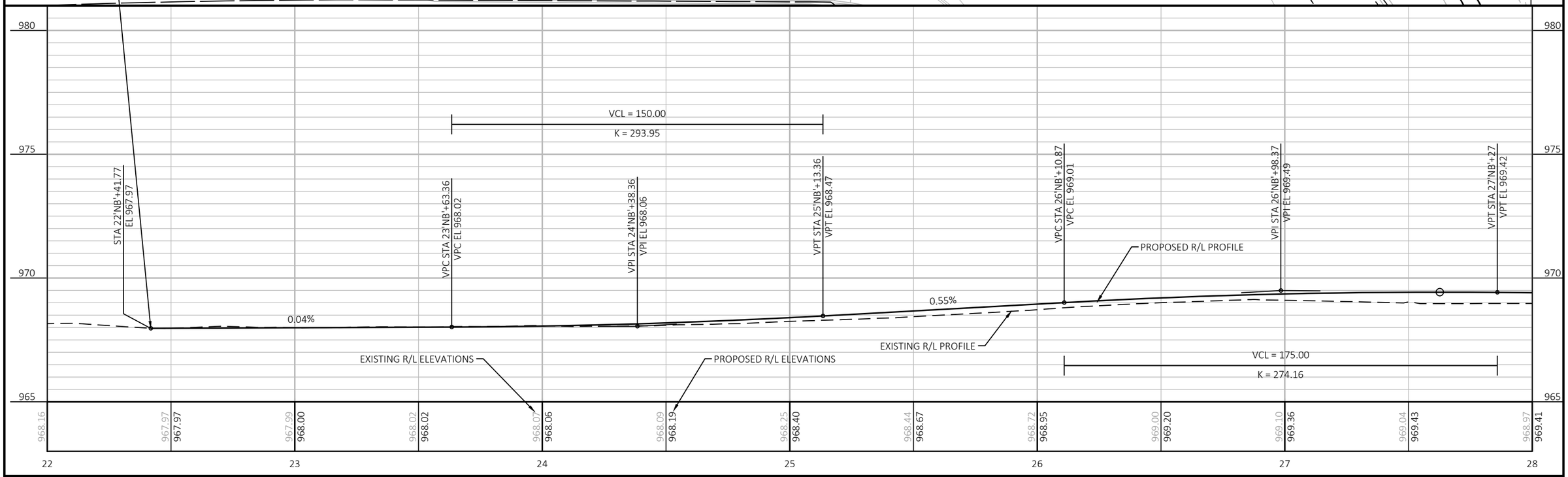
CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010								
STAGE 1								
	STH 13	27'NB'+38	-	27'NB'+74	LT	-	90	ISLAND REMOVAL
	STH 13	29'NB'+17	-	37'NB'+07	RT	796	-	SHOULDER REMOVAL
	STH 21	492'EB'+89	-	495'EB'+63	LT	280	-	EDGE OF SHOULDER
	STH 21	495'EB'+63	-	495'EB'+96	LT	-	40	CURB & GUTTER REMOVAL
	STH 21	496'EB'+70	-	497'EB'+30	LT	-	150	ISLAND REMOVAL
	STH 21	497'EB'+56	-	503'EB'+99	LT	648	-	EDGE OF SHOULDER
	STH 21	504'EB'+01	-	504'EB'+72	LT	70	-	DRIVEWAY
	STH 21	504'EB'+75	-	508'EB'+08	LT	335	-	EDGE OF SHOULDER
STAGE 1 SUBTOTAL						2,129	280	
STAGE 2								
	STH 13	19'NB'+90	-	20'NB'+24	RT	102	-	RUMBLE STRIP
	STH 13	22'NB'+42	-	22'NB'+42	LT & RT	44	-	CONSTRUCTION LIMITS
	STH 13	23'NB'+07	-	23'NB'+53	RT	45	-	DRIVEWAY
	STH 13	25'NB'+86	-	27'NB'+21	LT	-	156	
	STH 21	496'EB'+18	-	500'EB'+32	LT	-	413	
	STH 21	500'EB'+32	-	500'EB'+59	LT	27	-	
	STH 21	500'EB'+59	-	500'EB'+59	RT	23	-	
	STH 21	500'EB'+59	-	501'EB'+16	RT	60	-	EDGE OF SHOULDER
	STH 21	501'EB'+18	-	501'EB'+88	RT	70	-	DRIVEWAY
	STH 21	501'EB'+90	-	508'EB'+08	RT	620	-	EDGE OF SHOULDER
STAGE 2 SUBTOTAL						991	569	
STAGE 3								
	STH 13	27'NB'+38	-	31'NB'+43	LT	-	422	
	STH 13	29'NB'+47	-	29'NB'+96	LT	48	-	DRIVEWAY
	STH 13	31'NB'+43	-	31'NB'+96	LT	53	-	
	STH 13	31'NB'+96	-	31'NB'+96	LT	16	-	
	STH 13	31'NB'+96	-	37'NB'+95	LT	601	-	SHOULDER REMOVAL
	STH 13	34'NB'+19	-	34'NB'+44	LT	90	-	RUMBLE STRIP
	STH 13	34'NB'+44	-	34'NB'+90	LT	46	-	DRIVEWAY
	STH 21	491'EB'+40	-	491'EB'+40	LT & RT	53	-	CONSTRUCTION LIMITS
	STH 21	492'EB'+17	-	492'EB'+77	LT	60	-	DRIVEWAY
STAGE 3 SUBTOTAL						967	422	

SAWING CONTINUED

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010								
STAGE 4								
	STH 13	31'NB'+96	-	31'NB'+96	RT	15	-	
	STH 13	31'NB'+96	-	37'NB'+07	RT	511	-	SHOULDER REMOVAL
	STH 21	500'EB'+59	-	500'EB'+59	LT	23	-	
	STH 21	500'EB'+59	-	508'EB'+08	LT	749	-	SHOULDER REMOVAL
	STH 21	502'EB'+53	-	502'EB'+80	LT	82	-	RUMBLE STRIP
STAGE 4 SUBTOTAL						1,380	0	
STAGE 5								
	STH 21	481'EB'+48	-	481'EB'+79	RT	94	-	RUMBLE STRIP
	STH 21	489'EB'+32	-	489'EB'+63	RT	94	-	RUMBLE STRIP
	STH 21	501'EB'+90	-	508'EB'+08	RT	618	-	SHOULDER REMOVAL
	STH 21	510'EB'+10	-	510'EB'+37	LT	82	-	RUMBLE STRIP
	STH 13	12'NB'+09	-	12'NB'+49	RT	102	-	RUMBLE STRIP
	STH 13	31'NB'+96	-	37'NB'+95	LT	776	-	SHOULDER REMOVAL
	STH 13	41'NB'+91	-	42'NB'+22	LT	90	-	RUMBLE STRIP
STAGE 5 SUBTOTAL						1,856	0	
					PROJECT TOTAL	**7,323**	**1,271**	

BENCH MARKS						
NO.	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION	ELEV.
511	30'NB'+30.50	55.28' RT	240241.725	533024.766	CP .75 x 24" REBAR SET WITH BLUE CAP	965.928
507	19'NB'+70.04	172.23' LT	239380.466	532345.678	CP .75 x 24" REBAR SET WITH BLUE CAP	964.785
509	512'EB'+06.53	46.68' LT	240075.481	534415.250	CP .75 x 24" REBAR SET WITH BLUE CAP	972.589



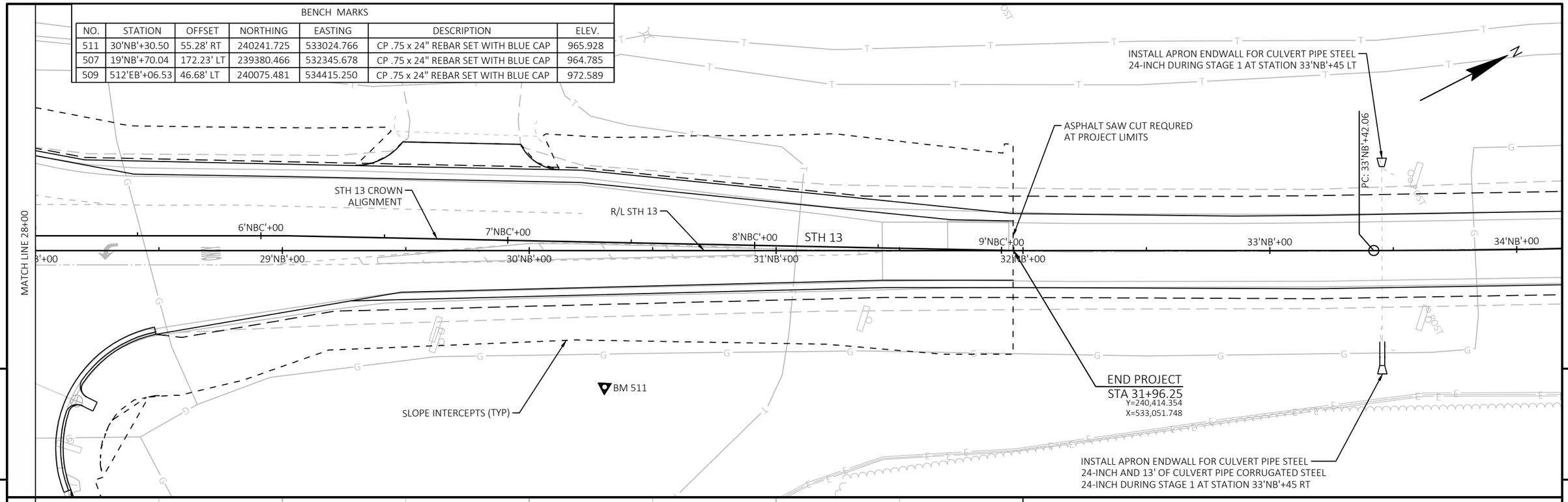


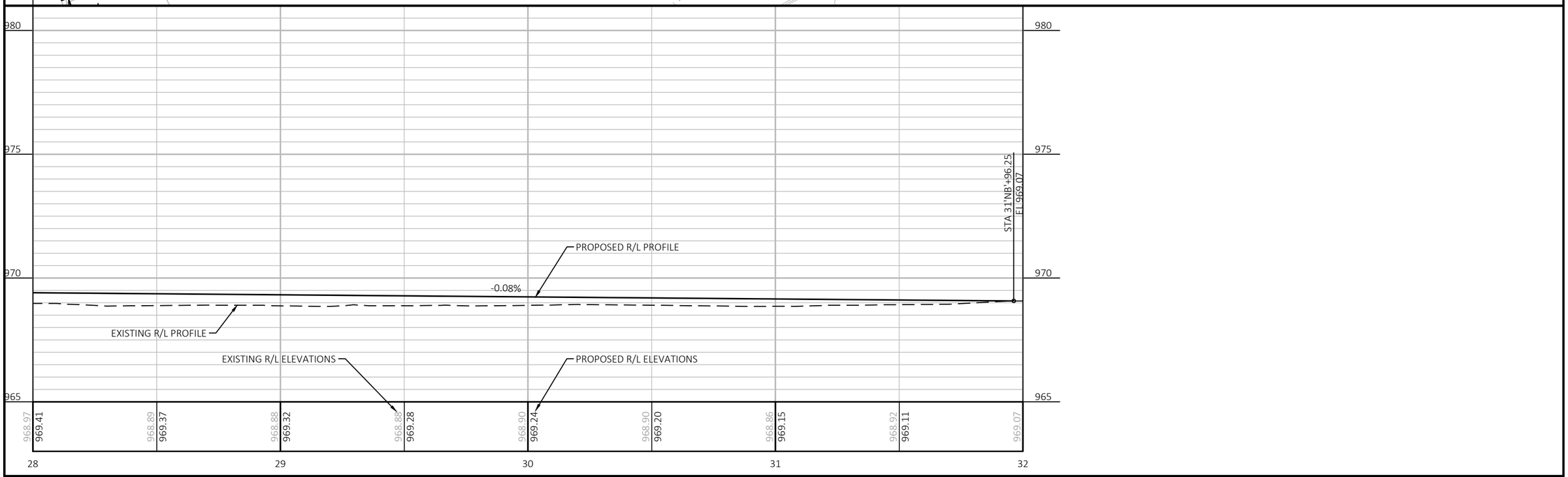
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN AND PROFILE: STH 13	SHEET 116	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-pp
PLOT DATE : 4/15/2021 11:30 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

BENCH MARKS

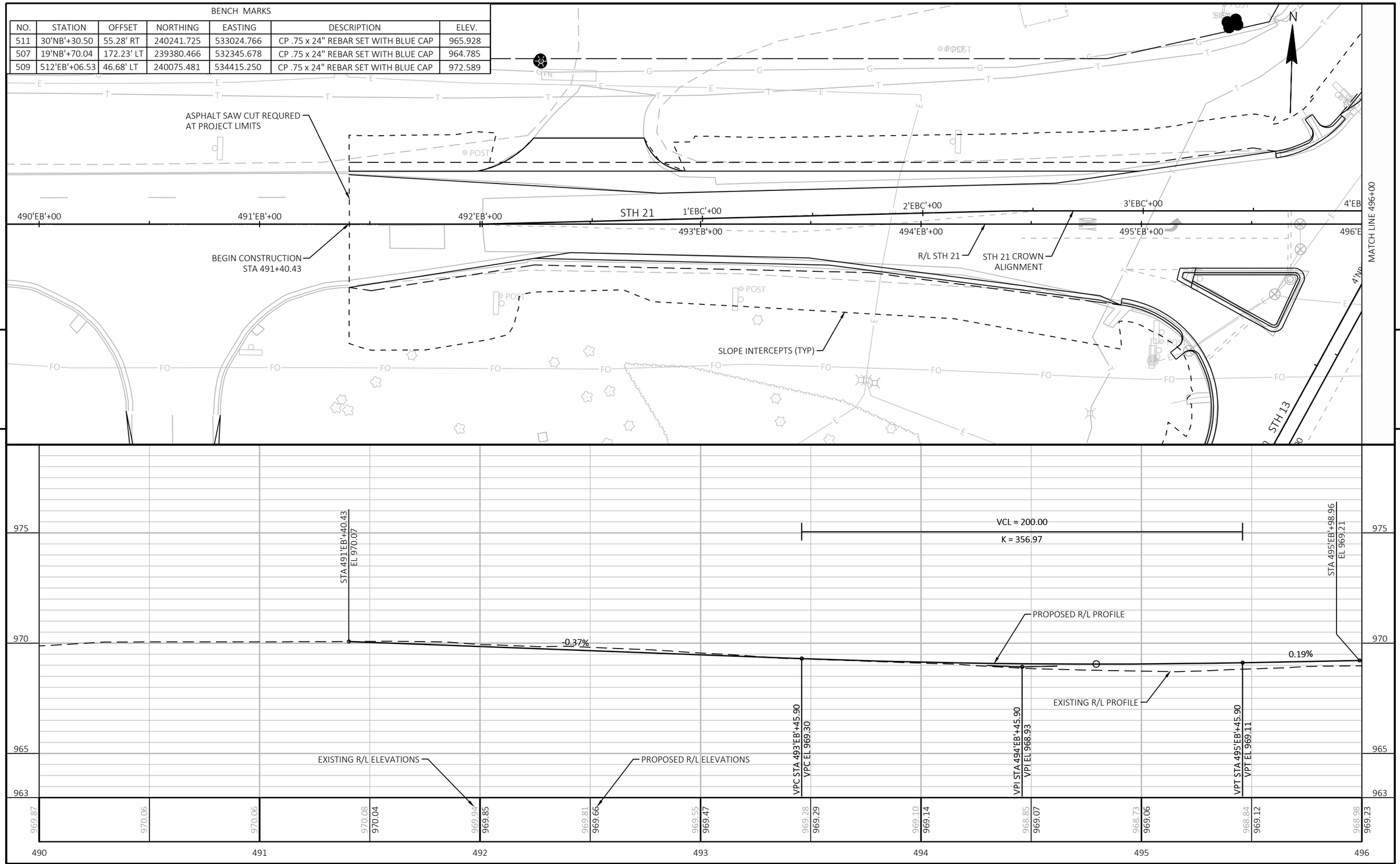
NO.	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION	ELEV.
511	30'NB'+30.50	55.28' RT	240241.725	533024.766	CP .75 x 24" REBAR SET WITH BLUE CAP	965.928
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509	512'EB'+06.53	46.68' LT	240075.481	534415.250	CP .75 x 24" REBAR SET WITH BLUE CAP	972.589





BENCH MARKS

NO.	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION	ELEV.
511	30'NB'+30.50	55.28' RT	240241.725	533024.766	CP .75 x 24" REBAR SET WITH BLUE CAP	965.928
507	19'NB'+70.04	172.23' LT	239380.466	532345.678	CP .75 x 24" REBAR SET WITH BLUE CAP	964.785
509	512'EB'+06.53	46.68' LT	240075.481	534415.250	CP .75 x 24" REBAR SET WITH BLUE CAP	972.589

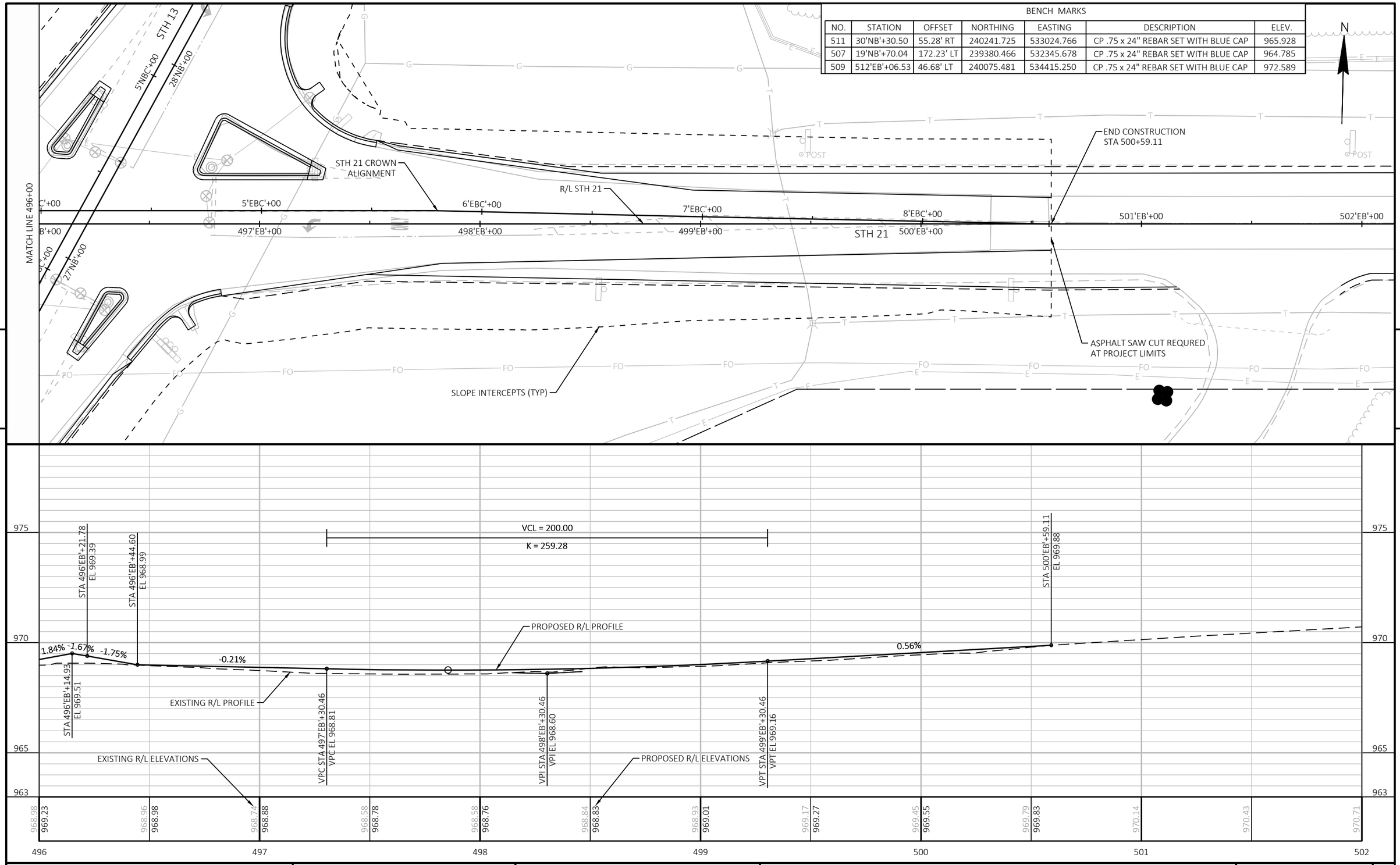


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN AND PROFILE: STH 21	SHEET 118	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\050103-PP.DWG
LAYOUT NAME - 050103-pp
PLOT DATE : 4/15/2021 11:31 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

BENCH MARKS

NO.	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION	ELEV.
511	30'NB'+30.50	55.28' RT	240241.725	533024.766	CP .75 x 24" REBAR SET WITH BLUE CAP	965.928
507	19'NB'+70.04	172.23' LT	239380.466	532345.678	CP .75 x 24" REBAR SET WITH BLUE CAP	964.785
509	512'EB'+06.53	46.68' LT	240075.481	534415.250	CP .75 x 24" REBAR SET WITH BLUE CAP	972.589

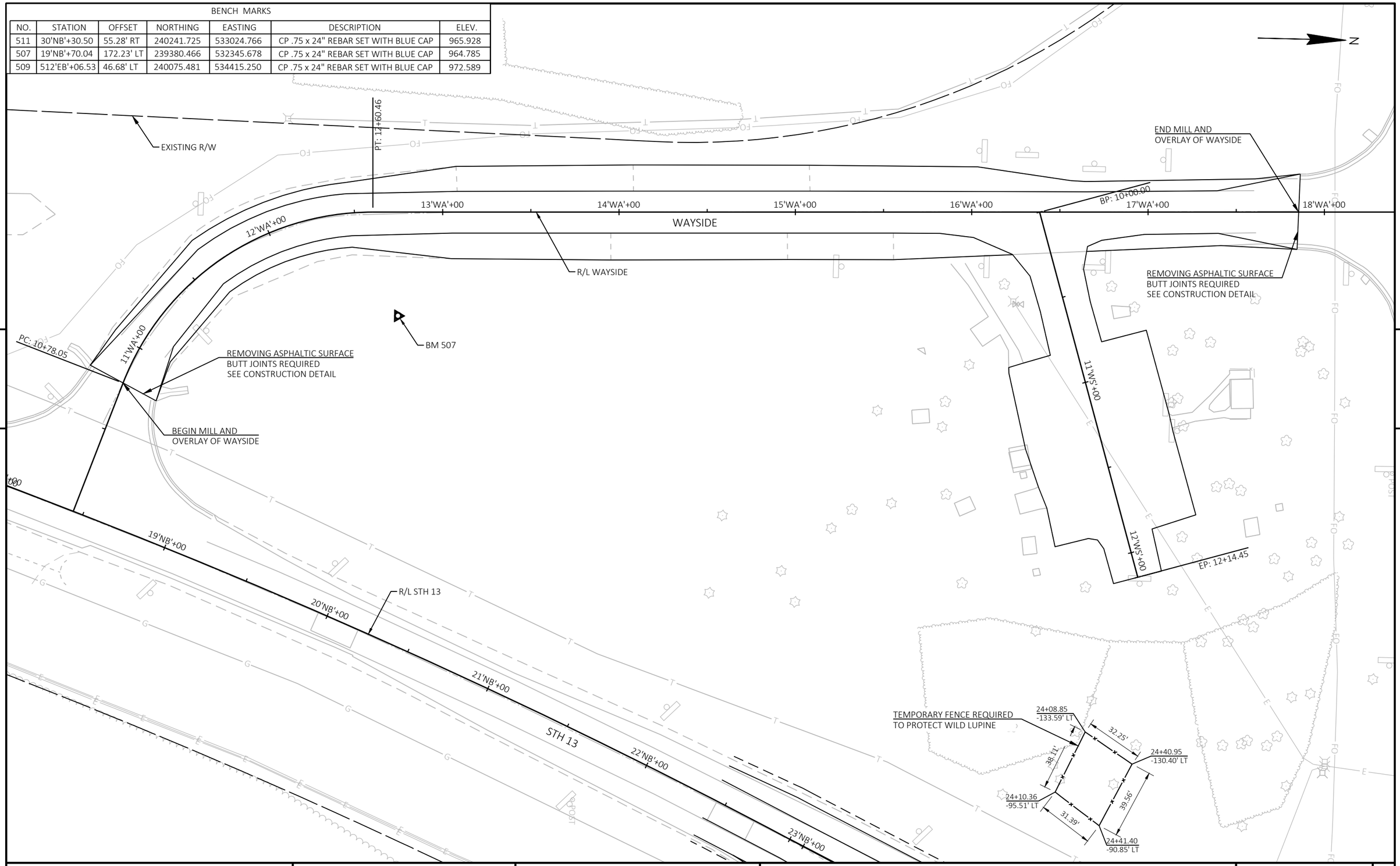


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN AND PROFILE: STH 21	SHEET 119	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\050103-PP.DWG
LAYOUT NAME - 050104-pp
PLOT DATE : 4/15/2021 11:31 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

BENCH MARKS

NO.	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION	ELEV.
511	30'NB'+30.50	55.28' RT	240241.725	533024.766	CP .75 x 24" REBAR SET WITH BLUE CAP	965.928
507	19'NB'+70.04	172.23' LT	239380.466	532345.678	CP .75 x 24" REBAR SET WITH BLUE CAP	964.785
509	512'EB'+06.53	46.68' LT	240075.481	534415.250	CP .75 x 24" REBAR SET WITH BLUE CAP	972.589



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	PLAN: WAYSIDE	SHEET 120	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-pn

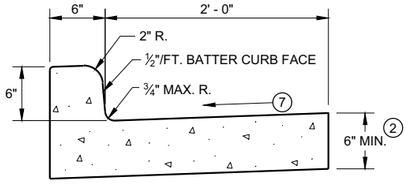
PLOT DATE : 4/15/2021 11:31 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

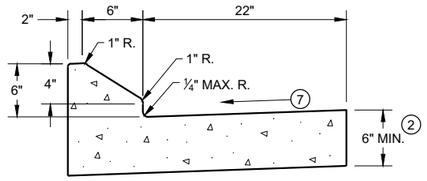
Standard Detail Drawing List

08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E09-06	SILT FENCE
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
11B02-02	CONCRETE MEDIAN NOSE
13A08-01	ASPHALTIC RUMBLE STRIPS AT INTERSECTION
13C19-03	HMA LONGITUDINAL JOINTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-08B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-05C	PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-09A	TRAFFIC CONTROL, LANE CLOSURE
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D40-02A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-02B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D40-02C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-02D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D50-01A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT

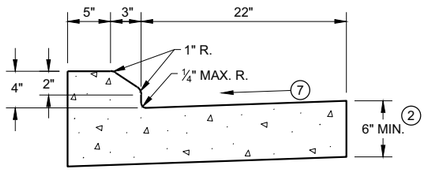
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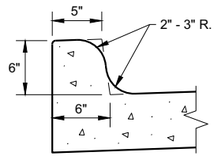
TYPES A (1) & D



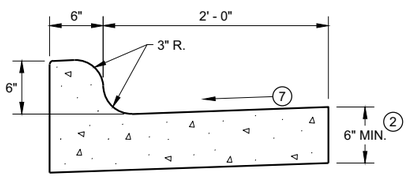
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

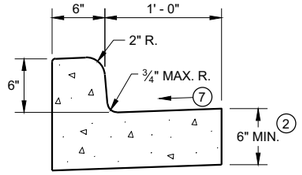


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



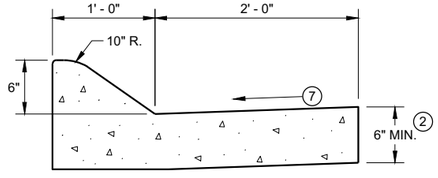
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

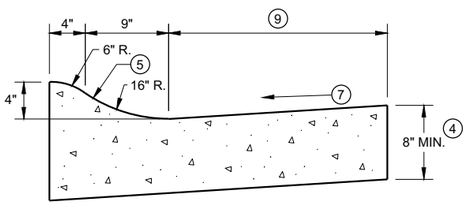
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

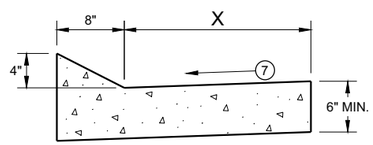
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

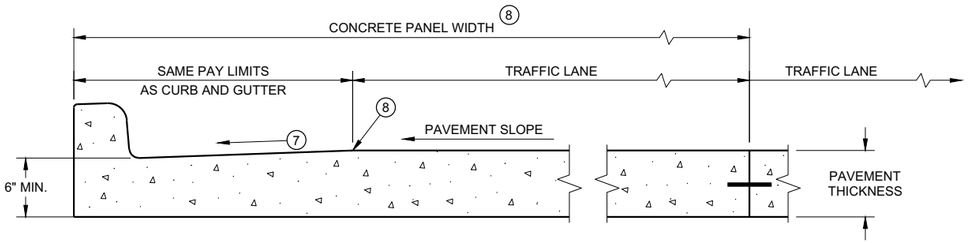


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

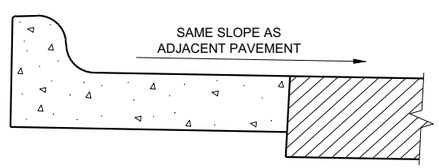
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

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

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

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

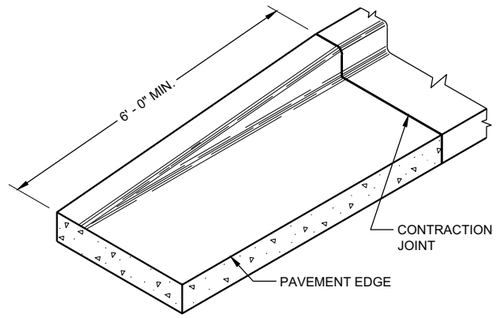
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

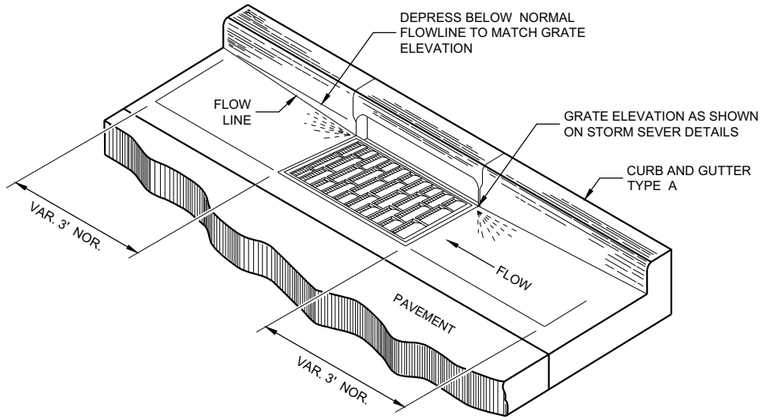
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 22a



END SECTIONCURB AND GUTTER



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

GENERAL NOTES

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

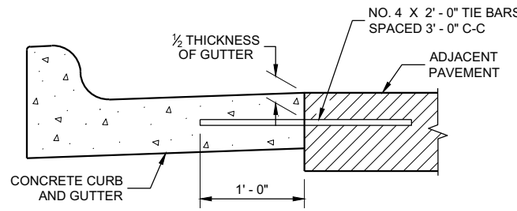
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

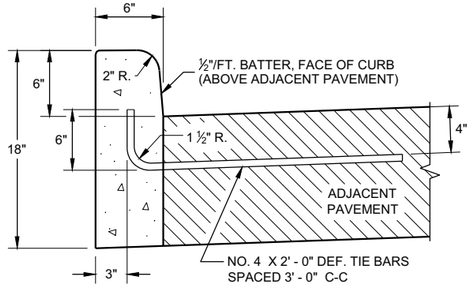
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

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

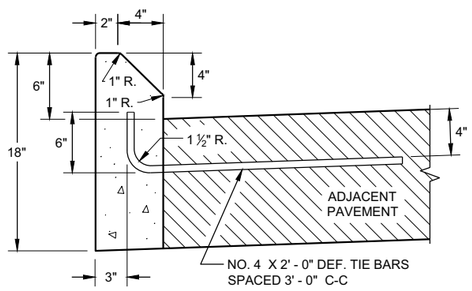
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

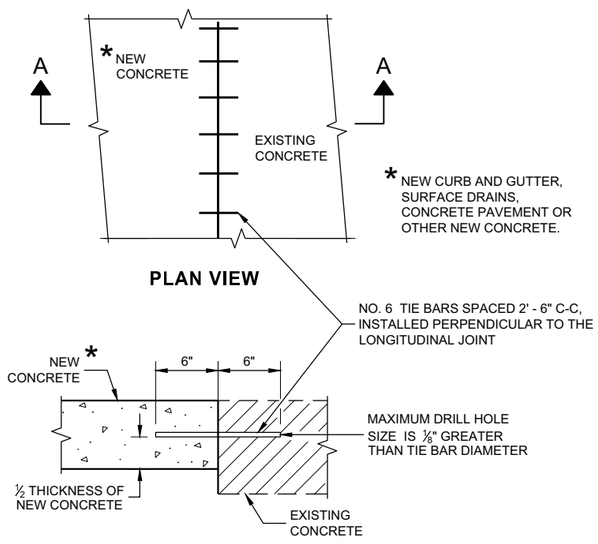


TYPES A (1) & D



TYPES G (1) & J

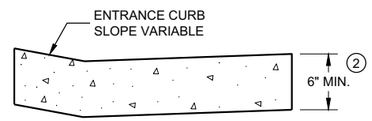
CONCRETE CURB



PLAN VIEW

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

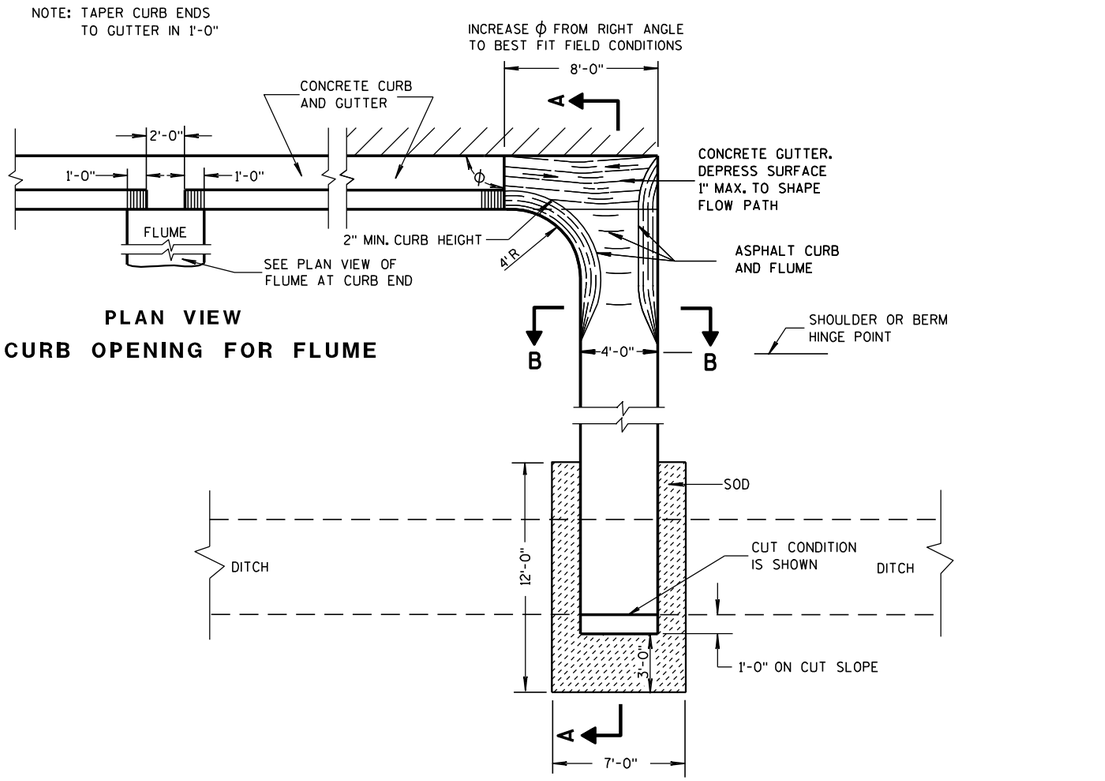
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

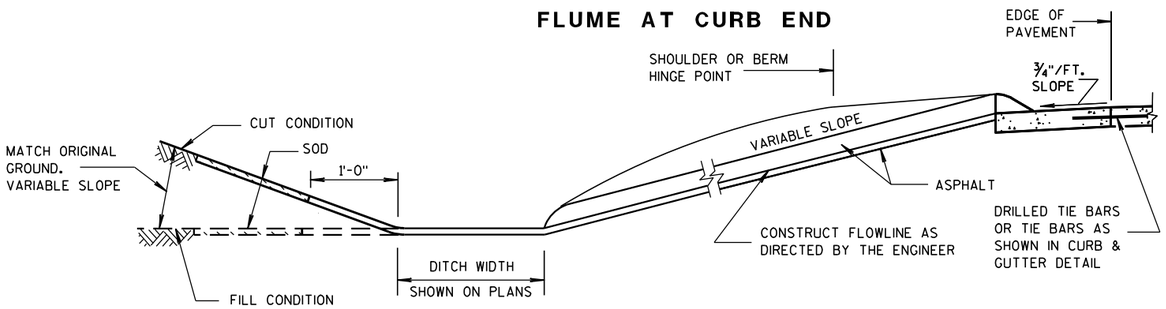
SDD08D01 - 22b

ASPHALTIC FLUME

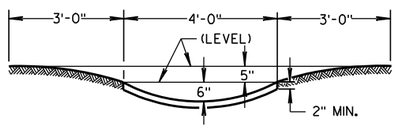


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

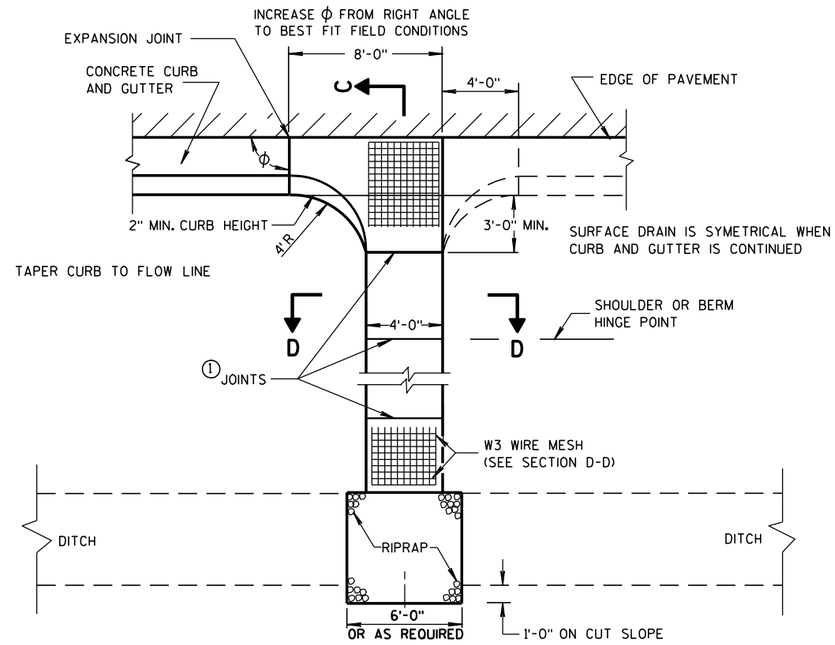
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

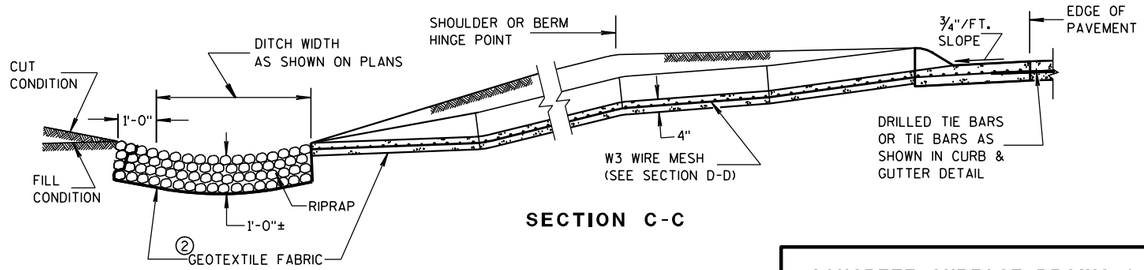
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

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

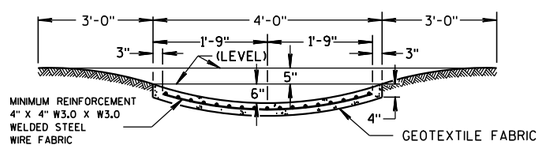
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C

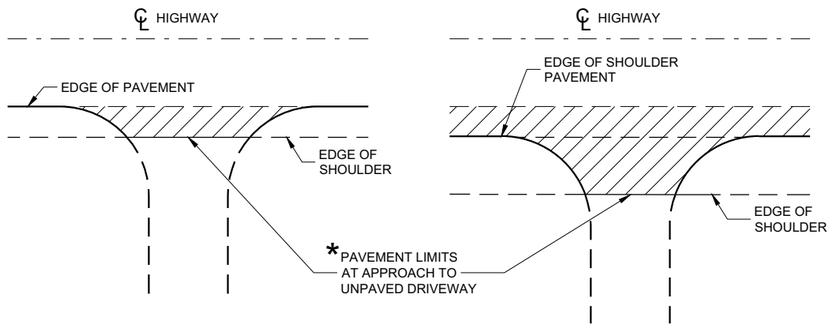


SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

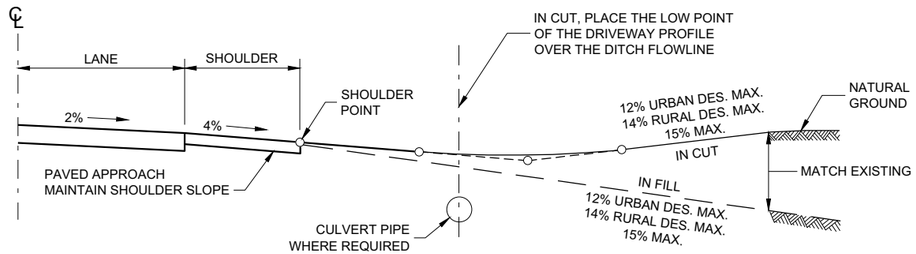
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA



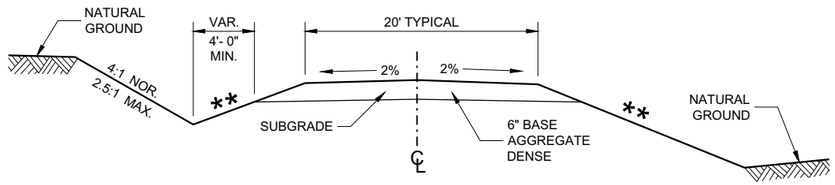
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

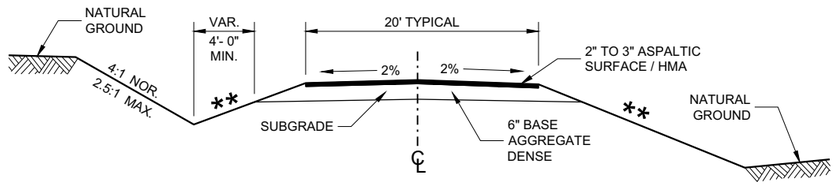


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

DRIVEWAYS WITHOUT CURB AND GUTTER

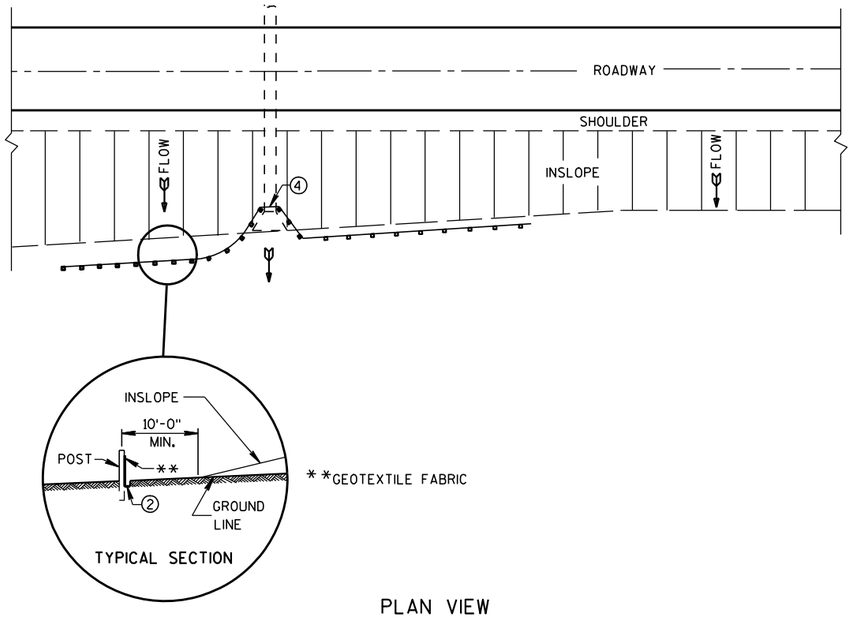
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

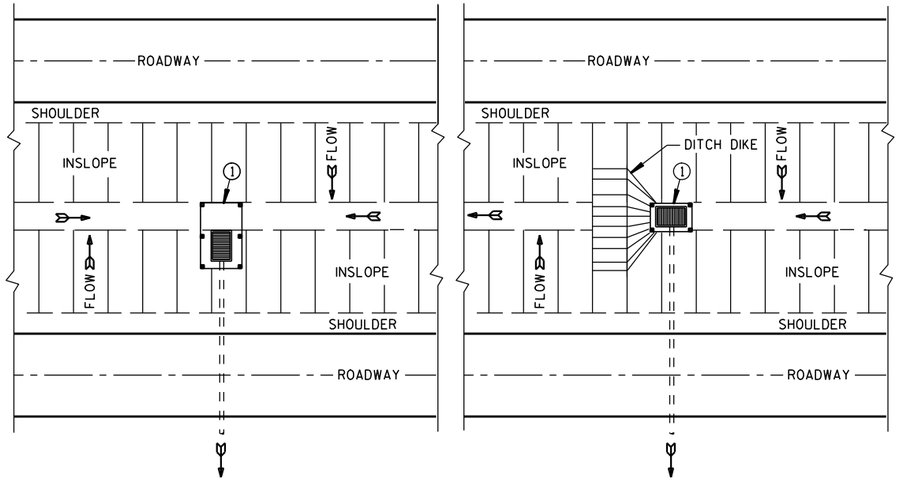
6

SDD 08D21 - 01



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



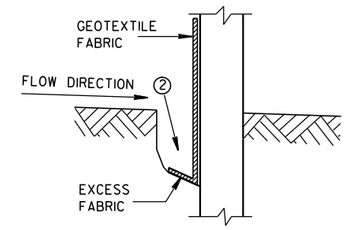
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

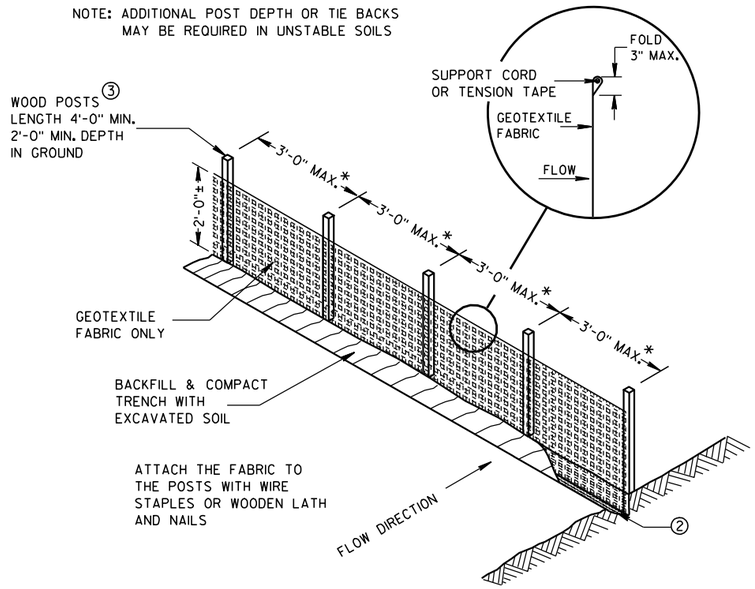
GENERAL NOTES

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

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

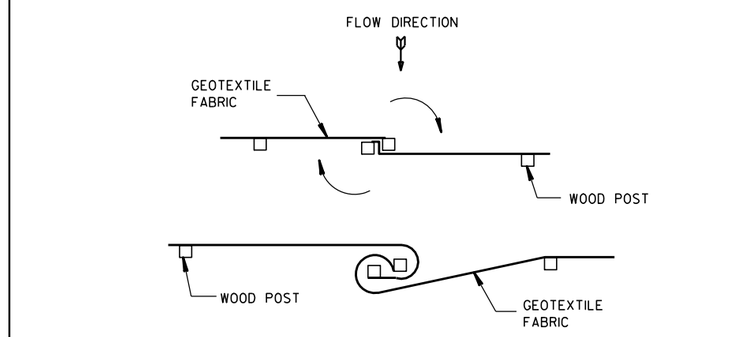


TRENCH DETAIL

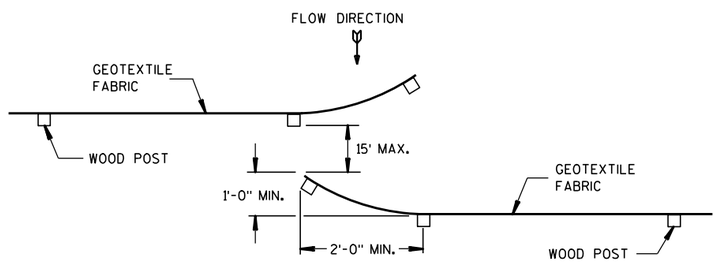


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

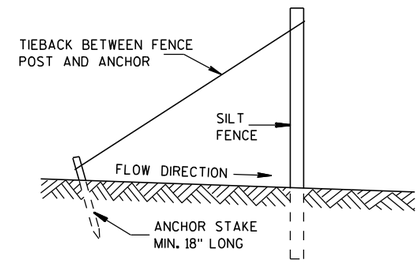


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

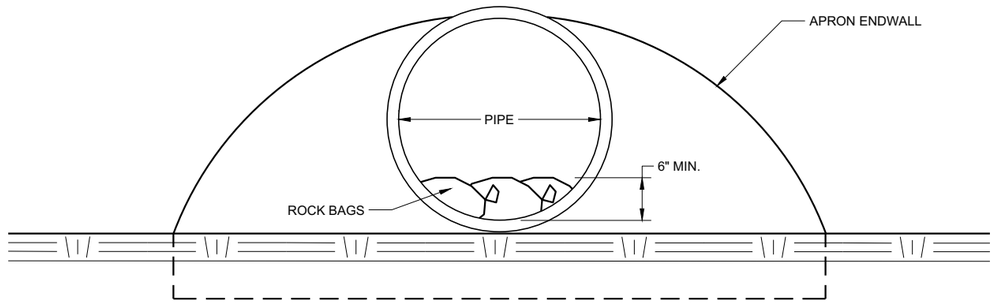
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

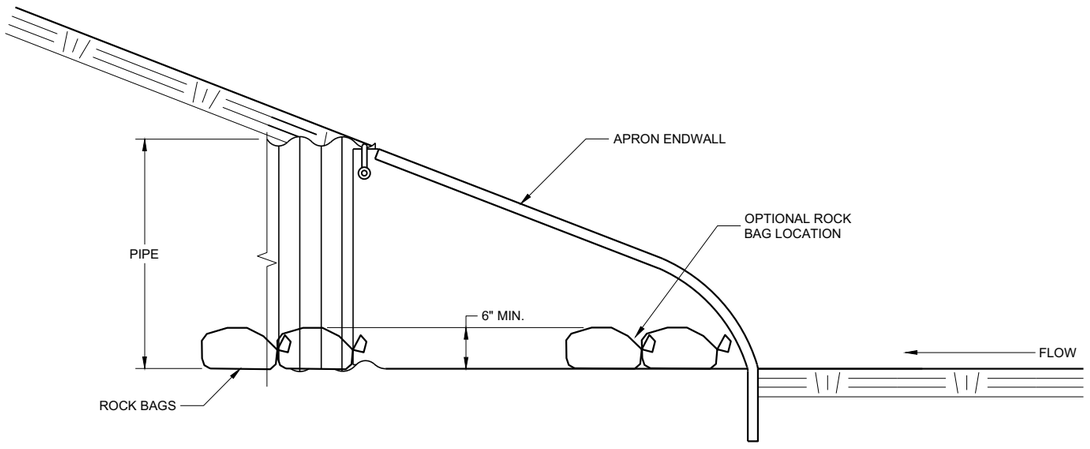
S.D.D. 8 E 9-6

6

S.D.D. 8 E 9-6



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

6

SDD 08E15 - 01

METAL APRON ENDWALLS

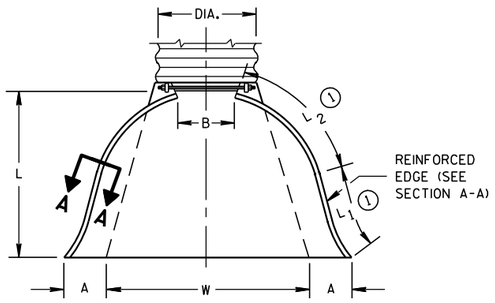
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4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

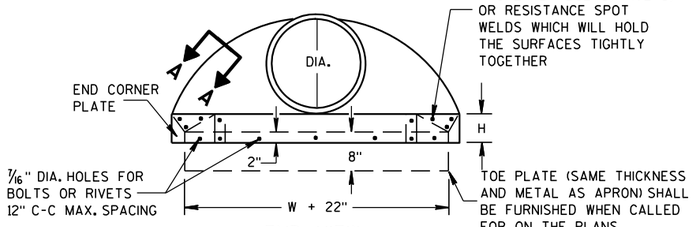
REINFORCED CONCRETE APRON ENDWALLS

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

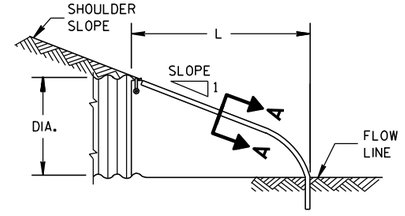
*MINIMUM
**MAXIMUM



PLAN VIEW

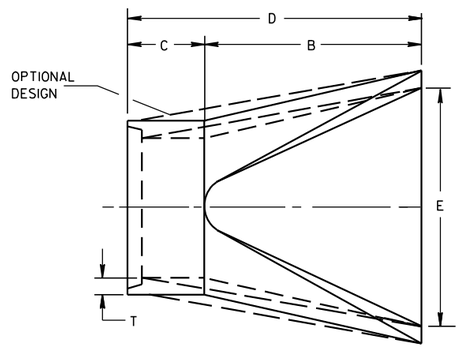


END VIEW

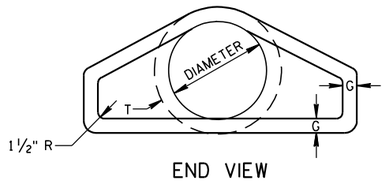


SIDE ELEVATION

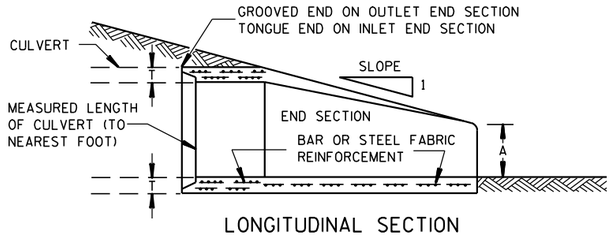
METAL ENDWALLS



PLAN

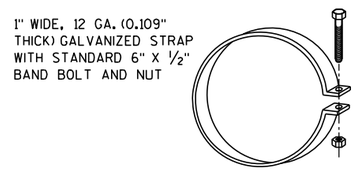


END VIEW



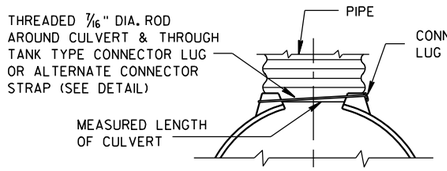
LONGITUDINAL SECTION

CONCRETE ENDWALLS

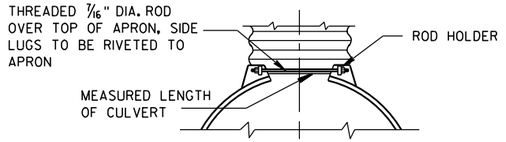


ALTERNATE FOR TYPE 1 CONNECTION

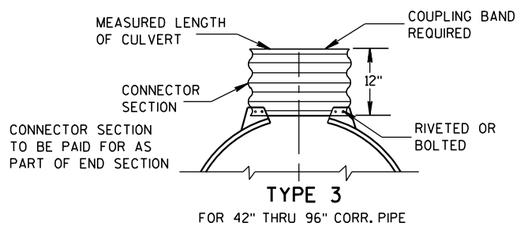
END SECTION CONNECTOR STRAP



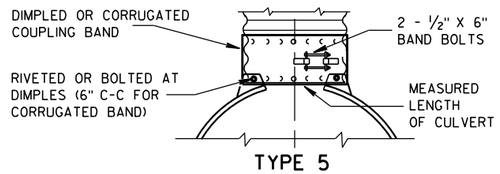
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

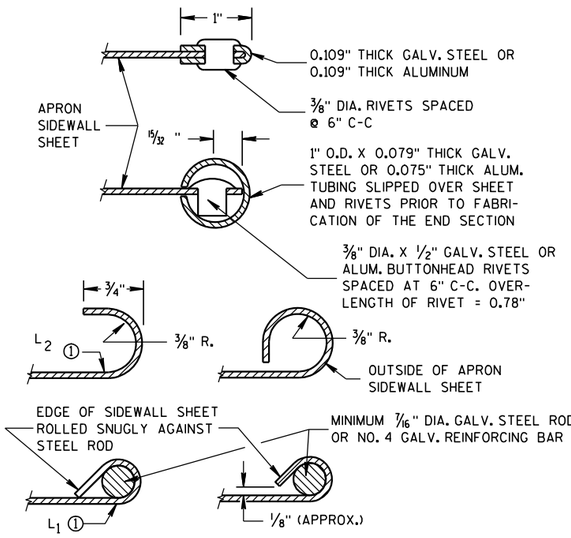
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

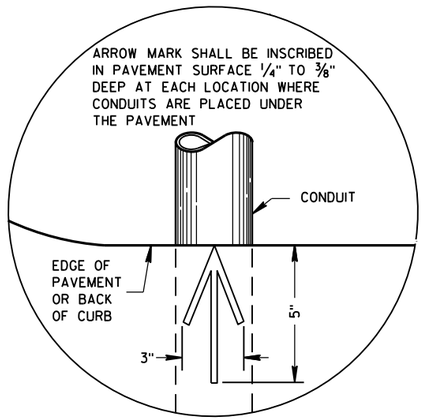
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

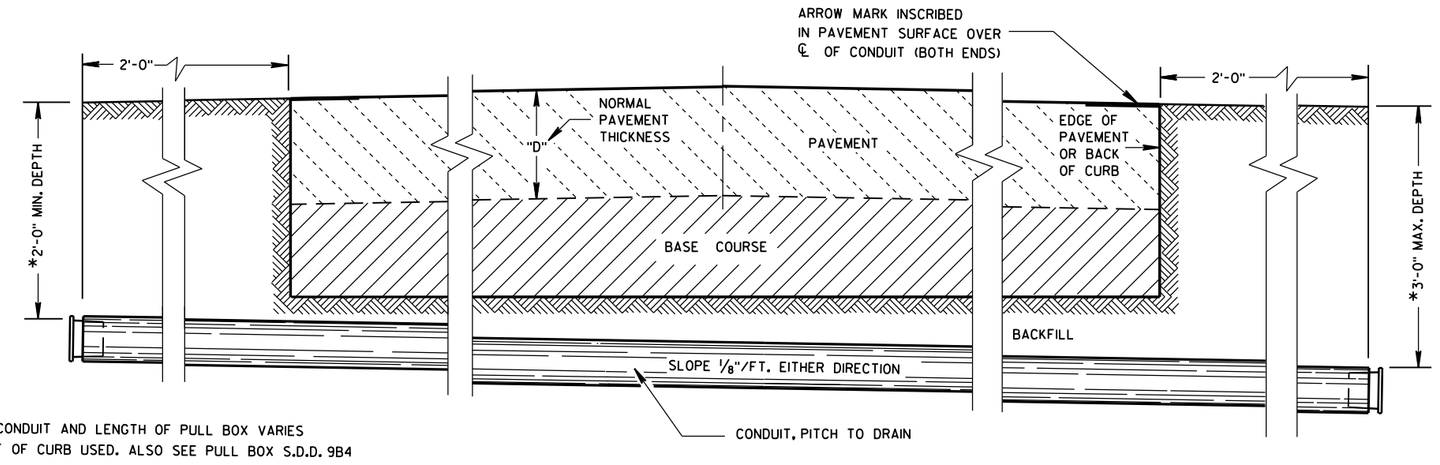
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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



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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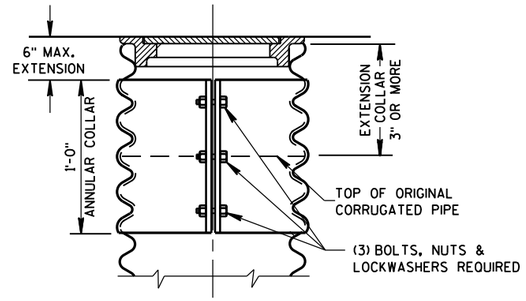
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

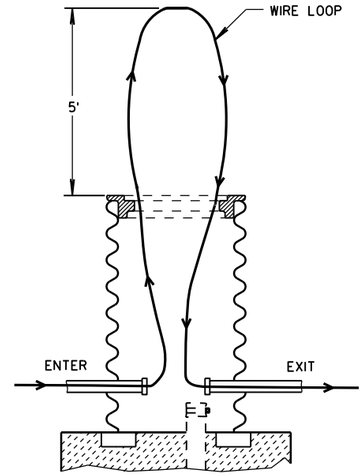
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

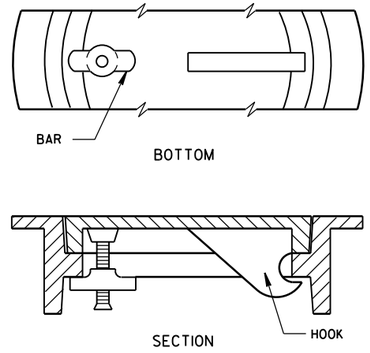
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

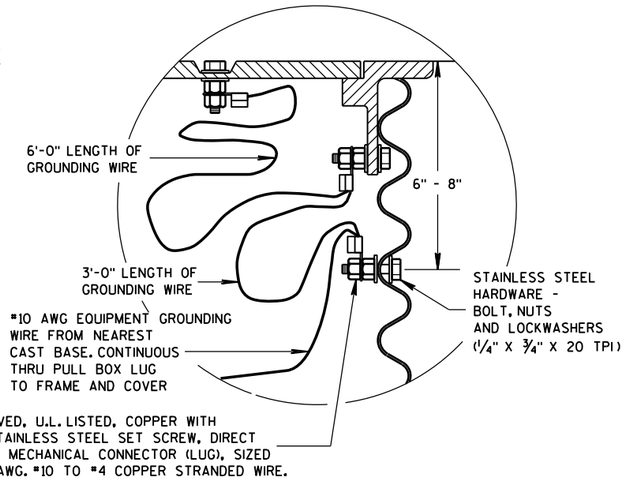


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

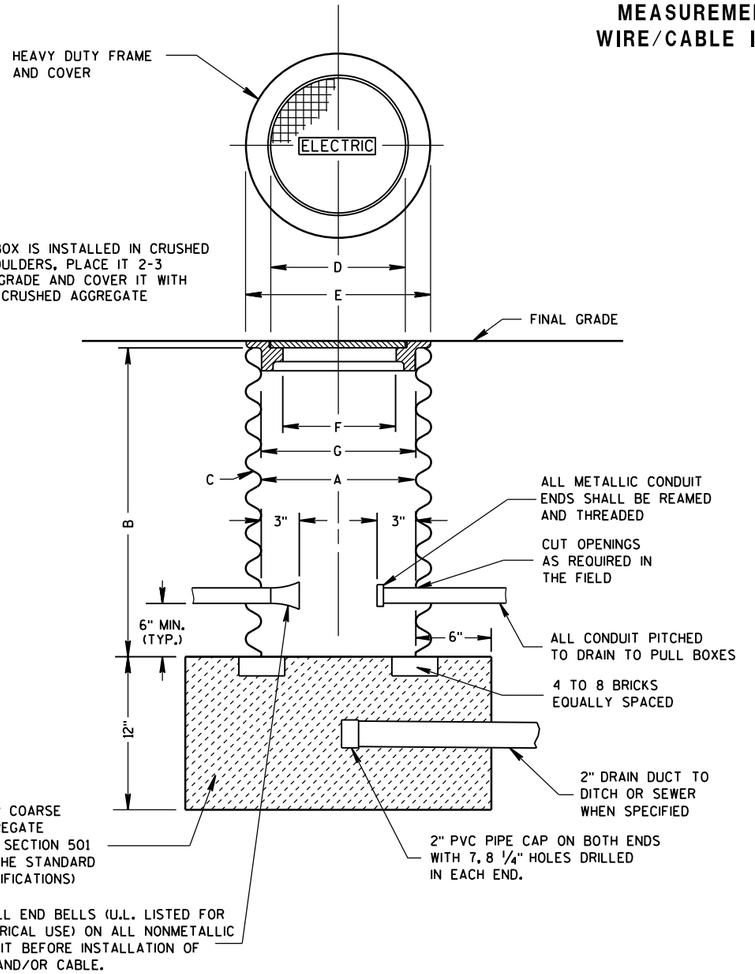


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

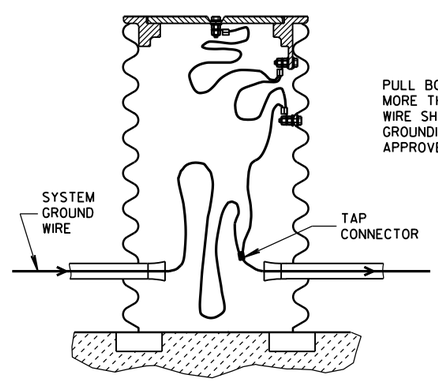
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

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

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

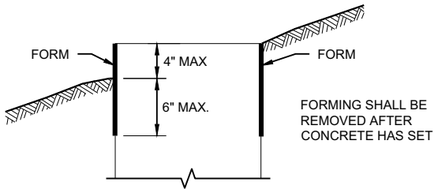
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11

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.

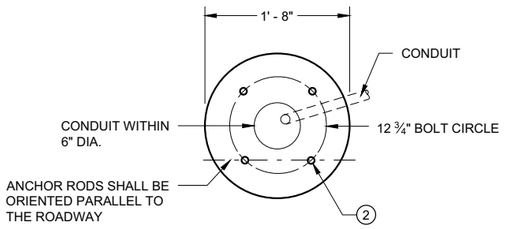
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

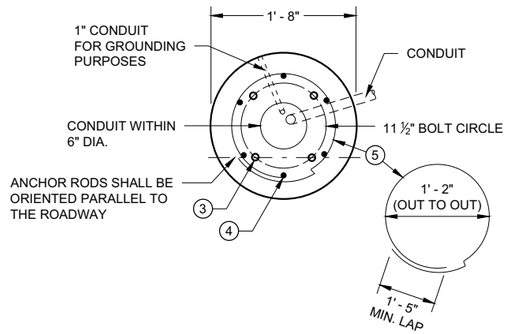
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

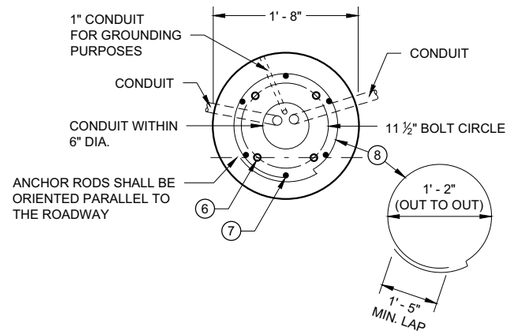
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

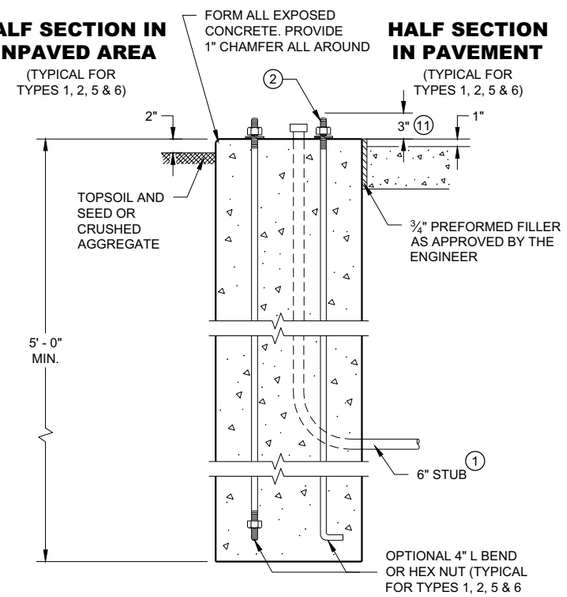
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

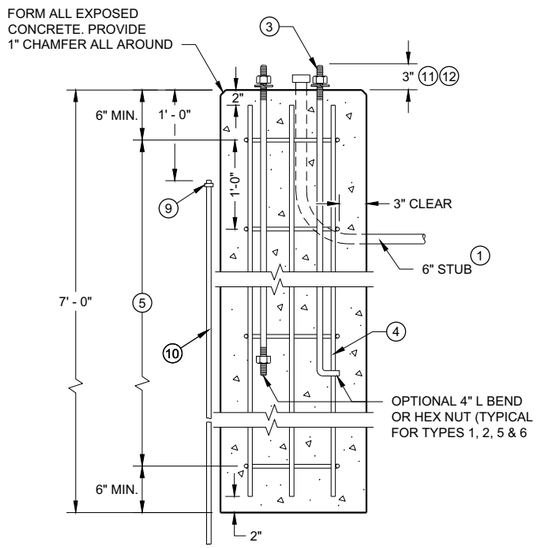
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

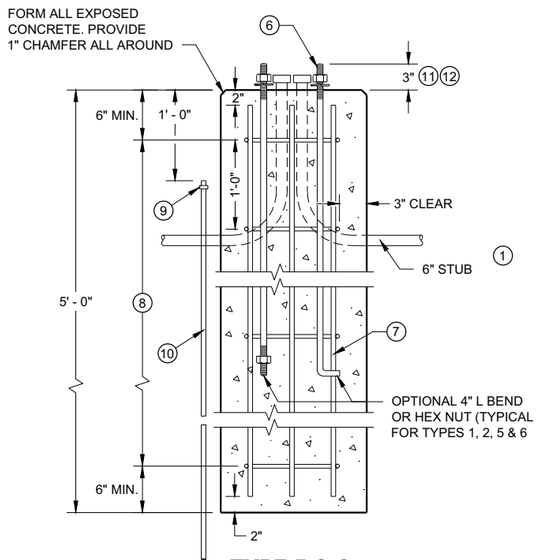
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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

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SDD 09C02 - 09

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.

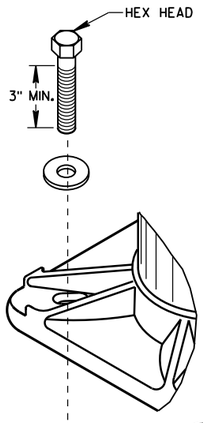
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

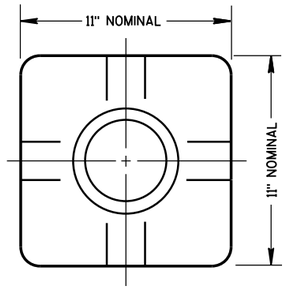
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

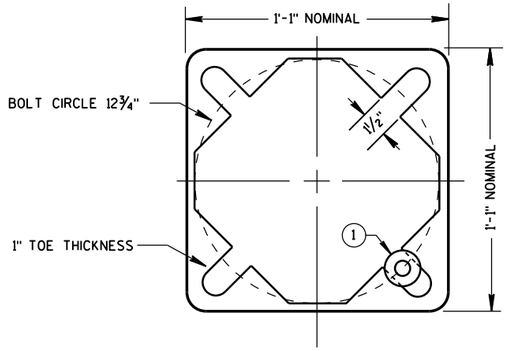
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

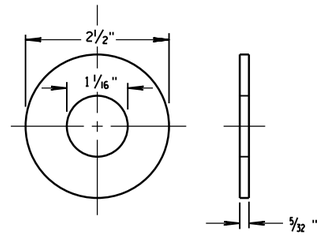




TOP VIEW
(PEDESTAL BASE)

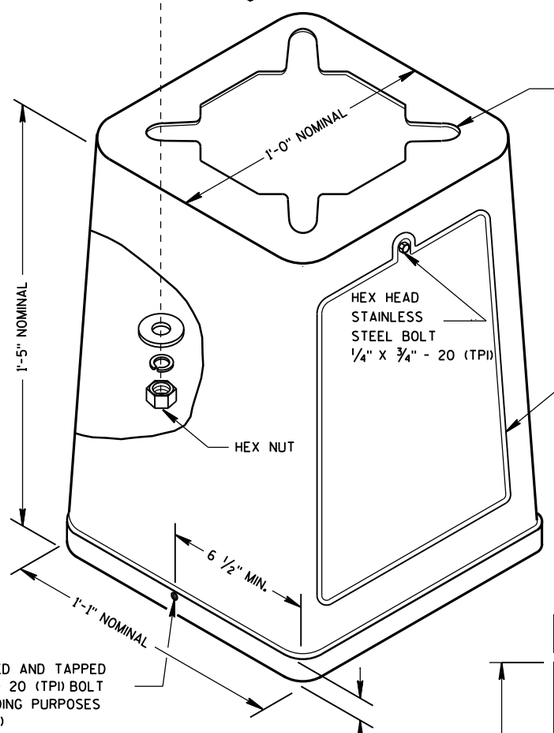


BOTTOM VIEW
(PEDESTAL BASE)

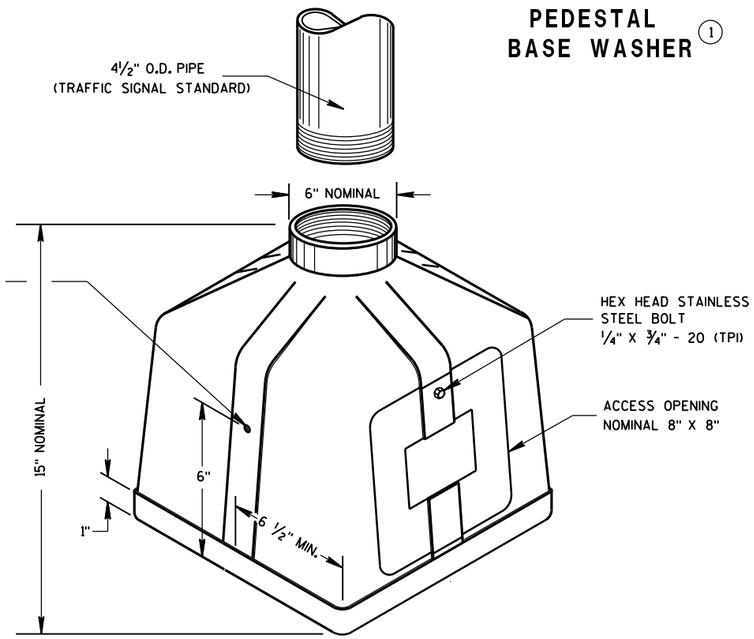


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

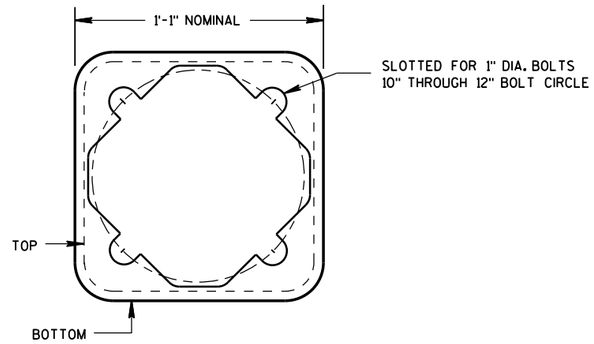


ISOMETRIC VIEW

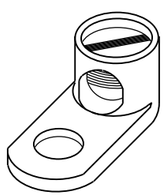


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

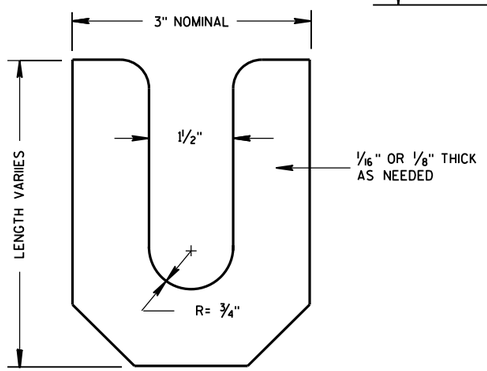


TYPICAL MECHANICAL CONNECTOR LUG

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
DEPARTMENT OF TRANSPORTATION

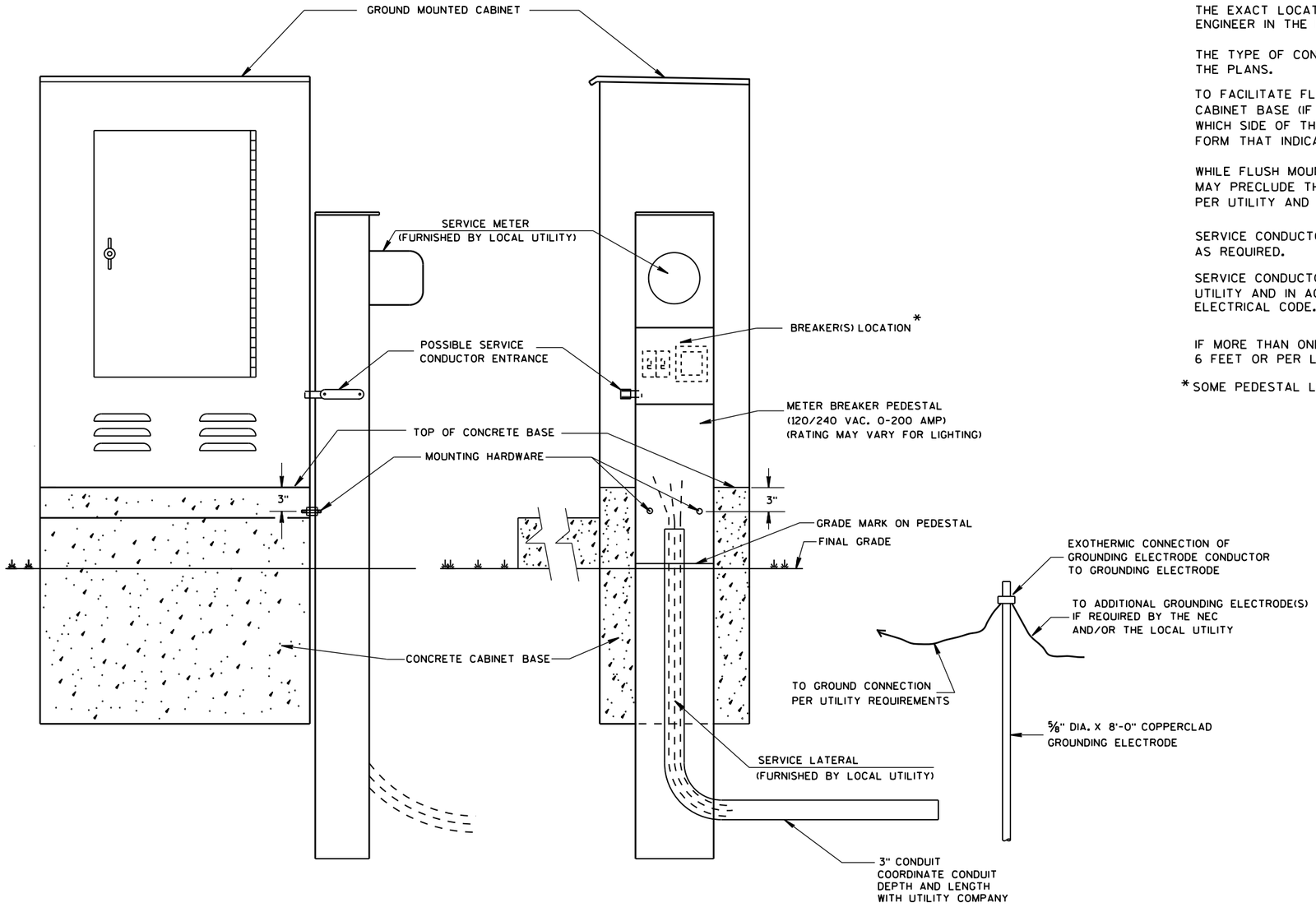
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Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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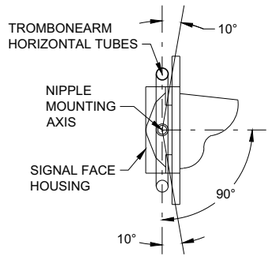
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
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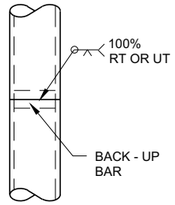


SECTION A-A

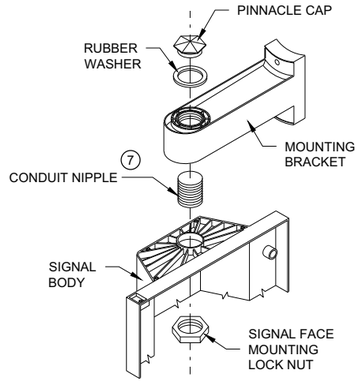
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

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

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

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) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING,PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

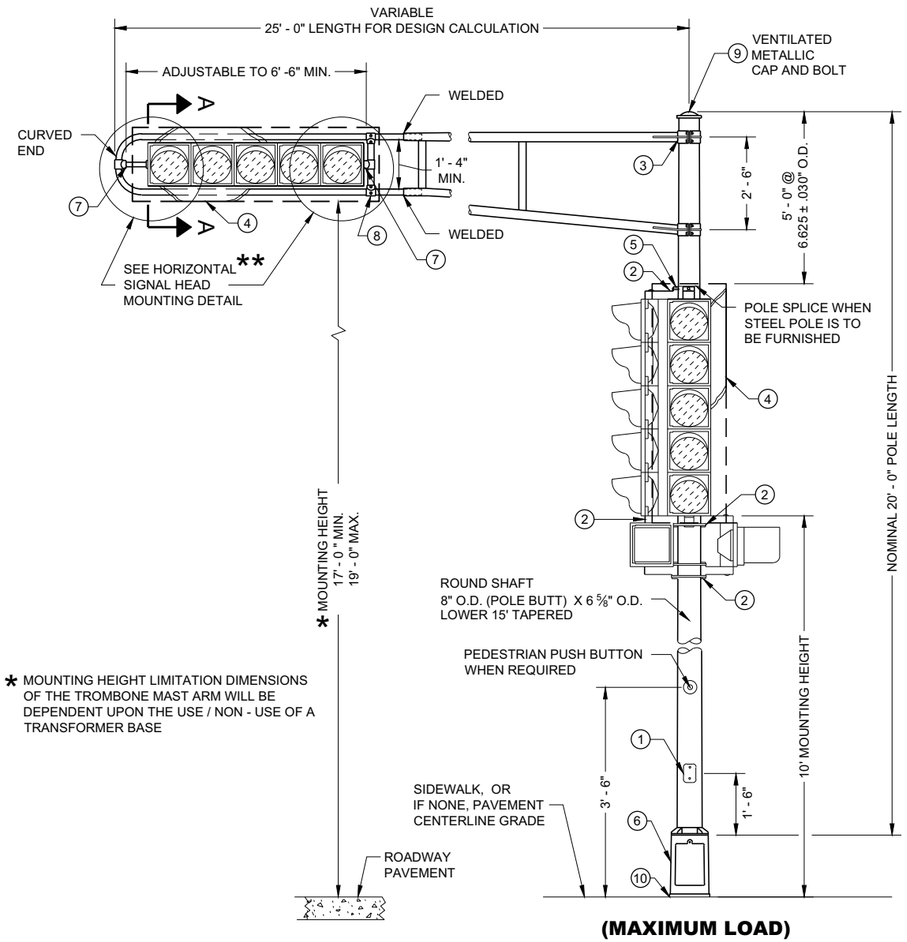
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

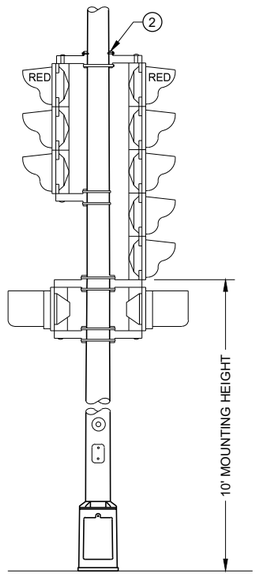
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

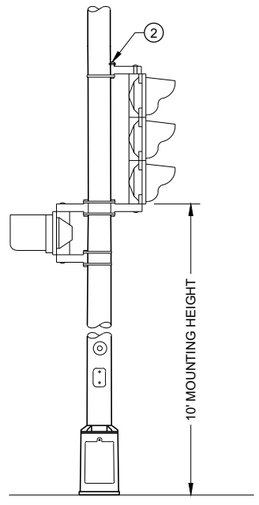


* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

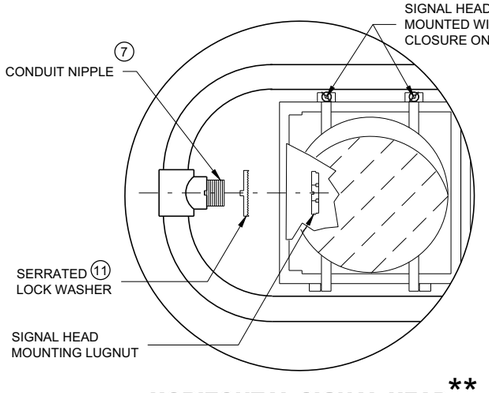
(MAXIMUM LOAD)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

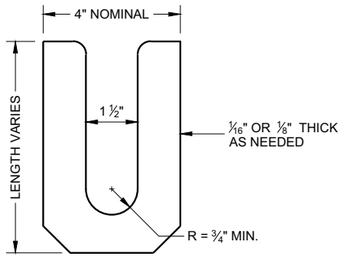
** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

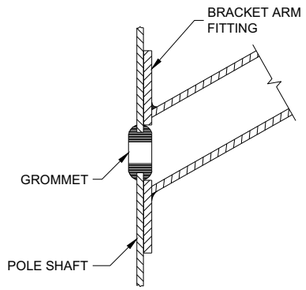
POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

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DEPARTMENT OF TRANSPORTATION

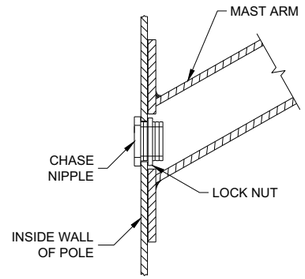
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LEVELING SHIM (1)
SHALL BE ALUMINUM



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.

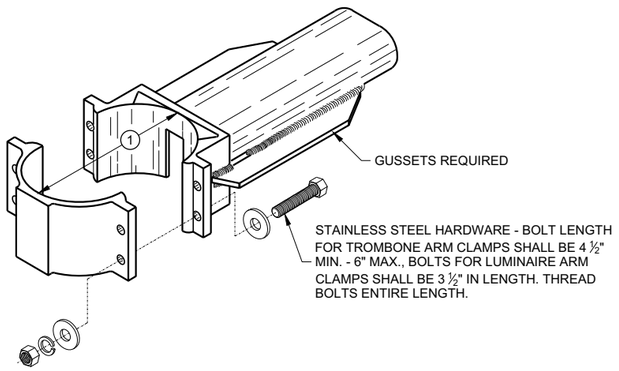
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

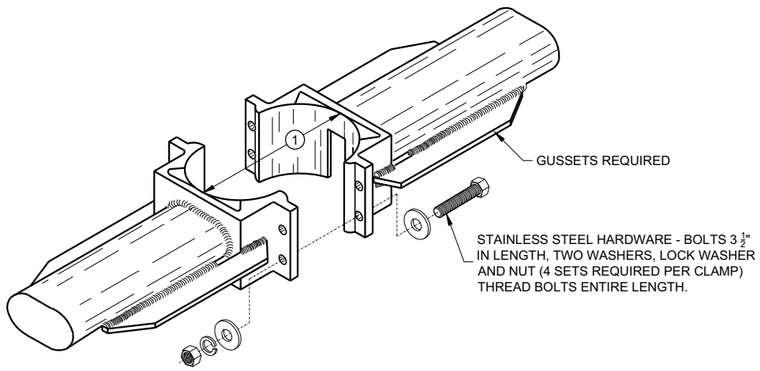
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

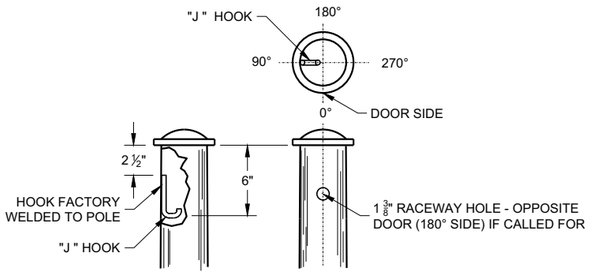
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



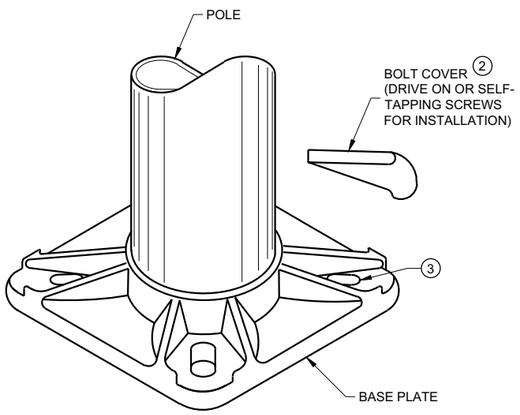
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



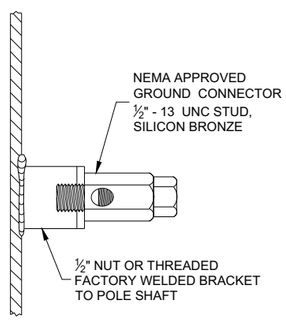
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

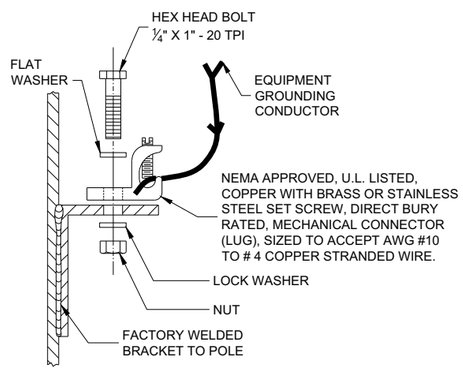


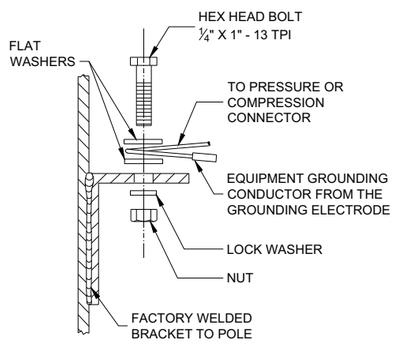
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

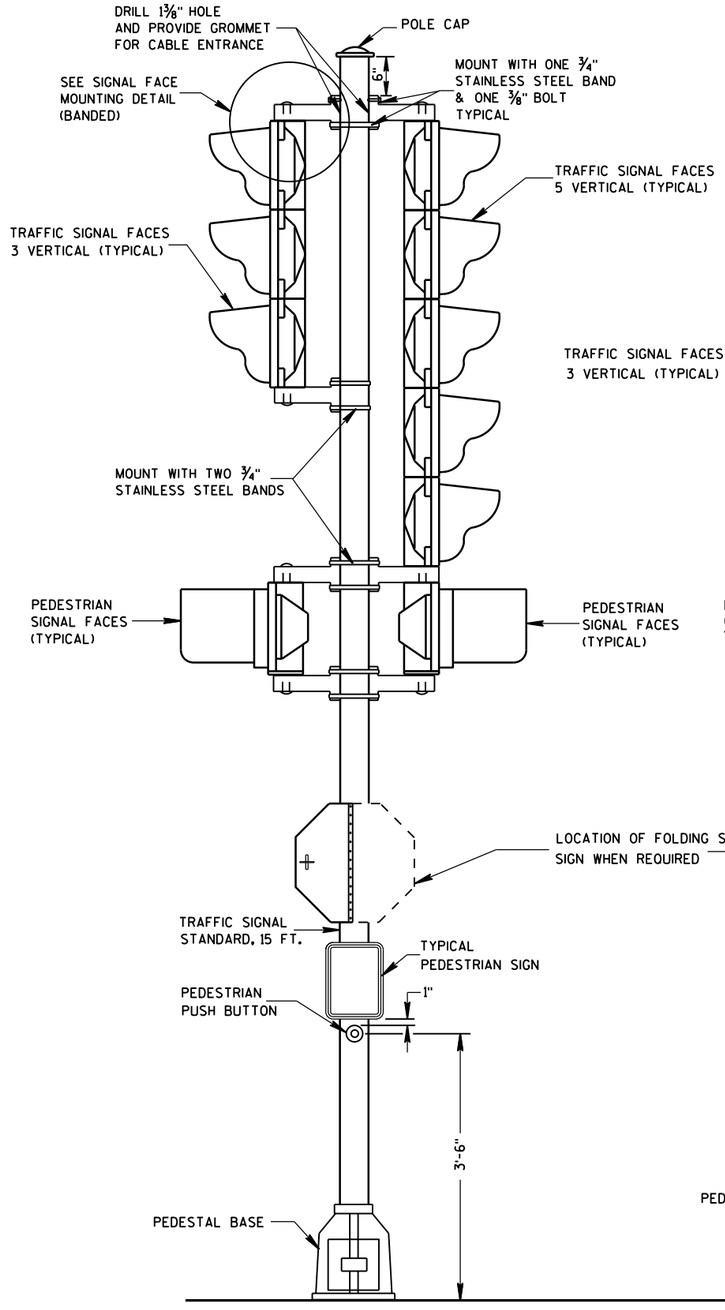
HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

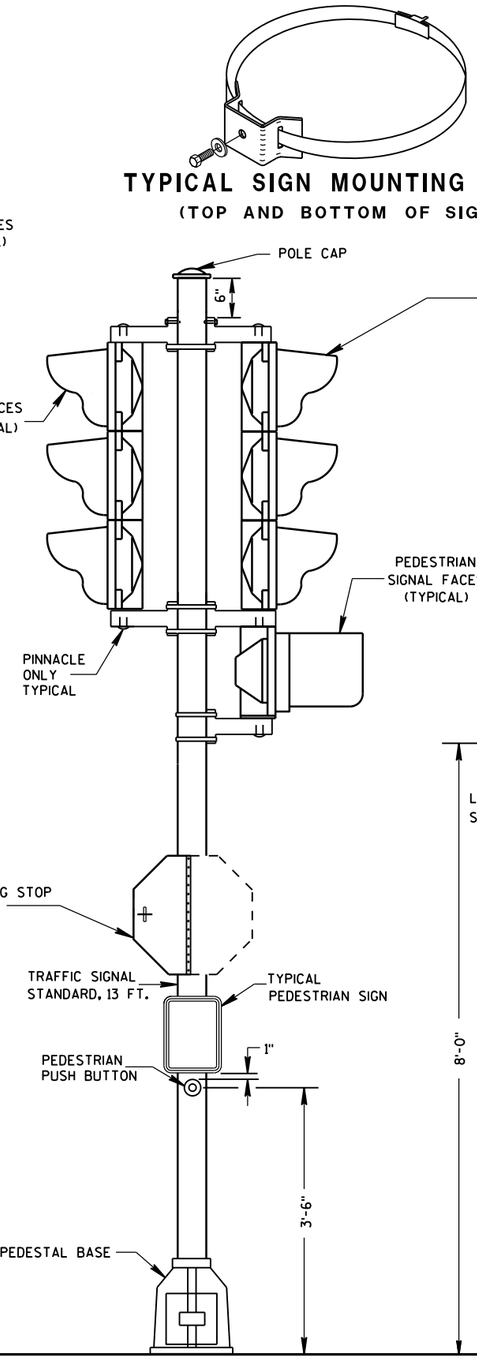
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
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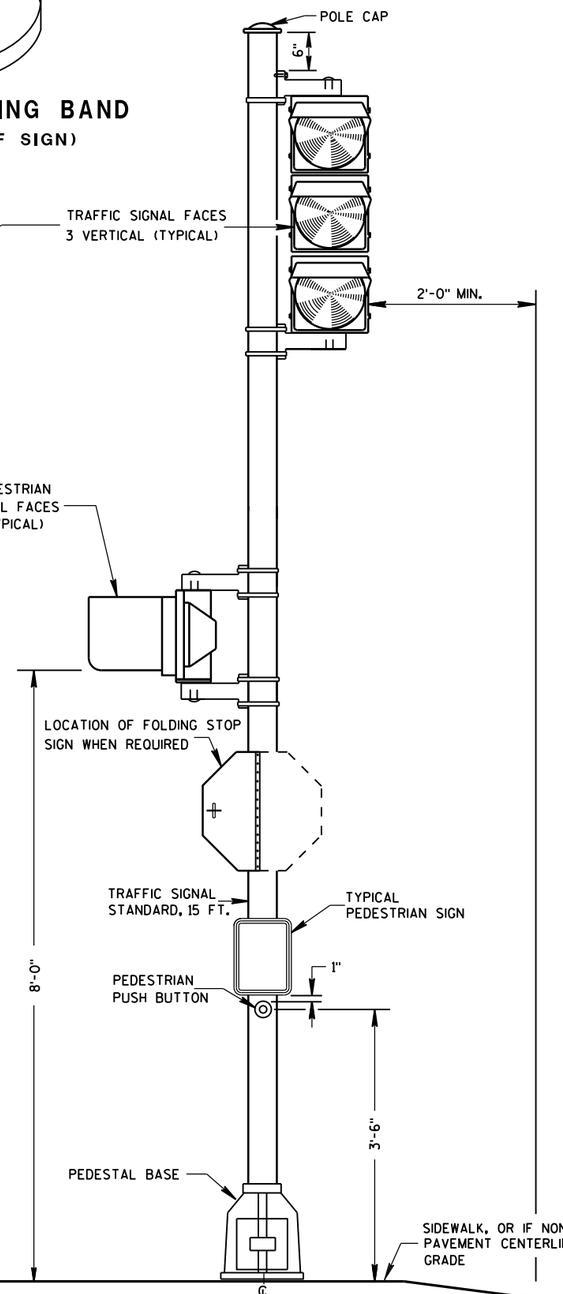


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

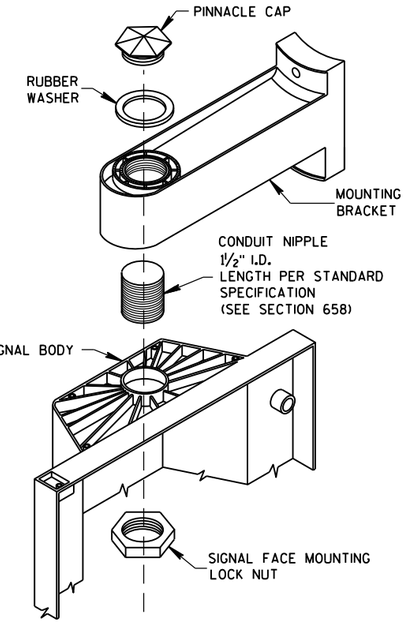
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

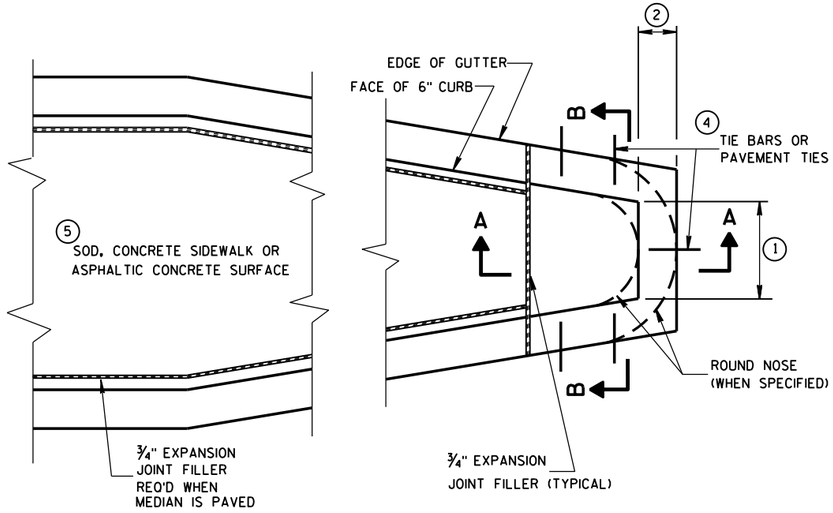
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

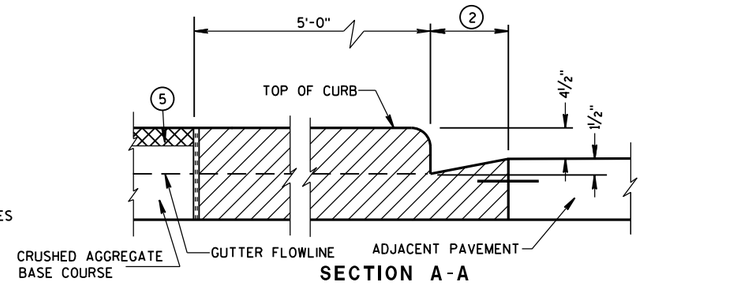
STATE OF WISCONSIN
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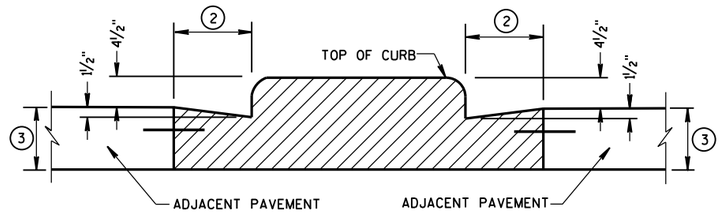
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2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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CONCRETE MEDIAN BLUNT NOSE DETAIL

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.

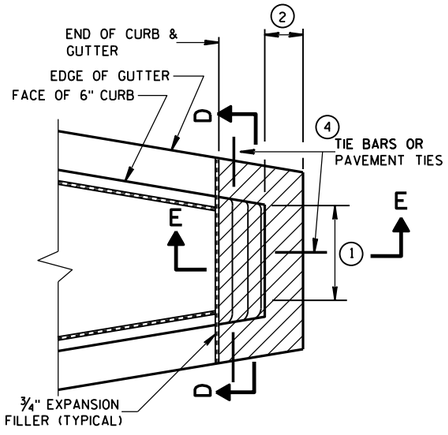
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

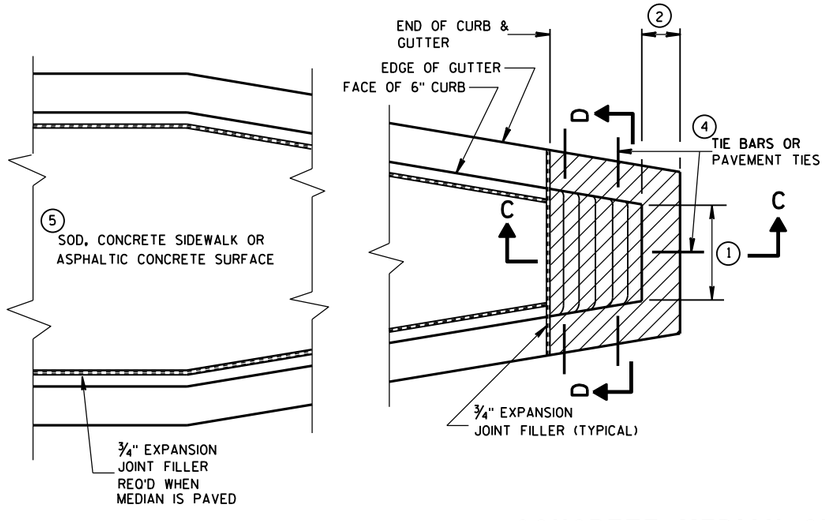
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

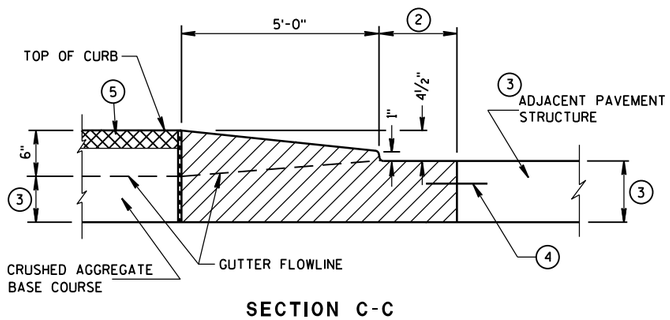
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

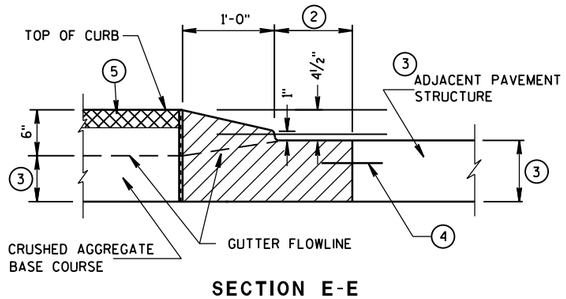
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



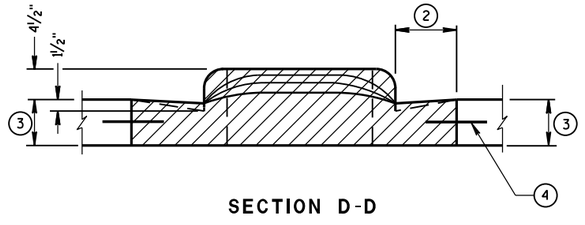






CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

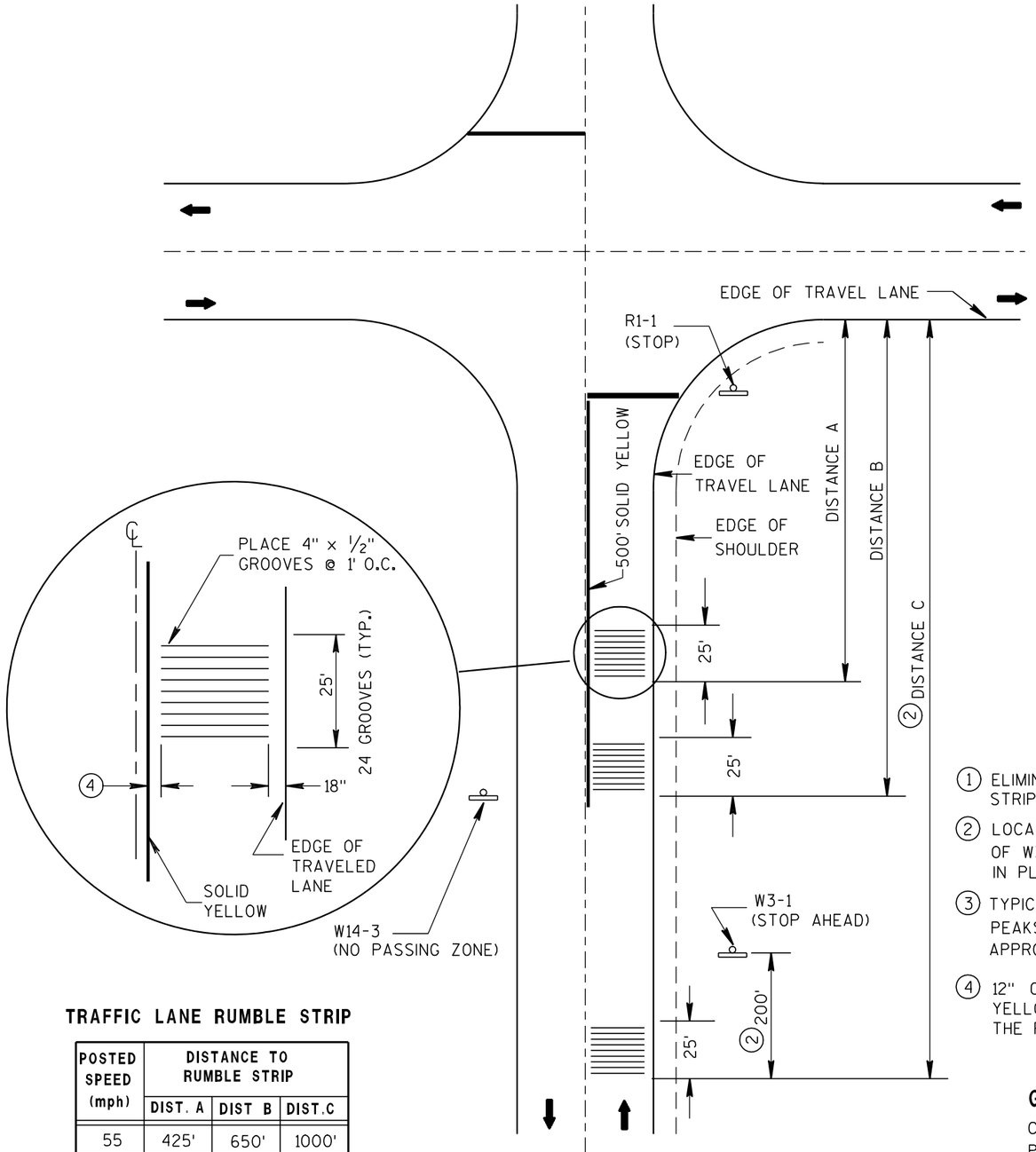
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

PLAN VIEW

RUMBLE STRIP LOCATION

TRAFFIC LANE RUMBLE STRIP

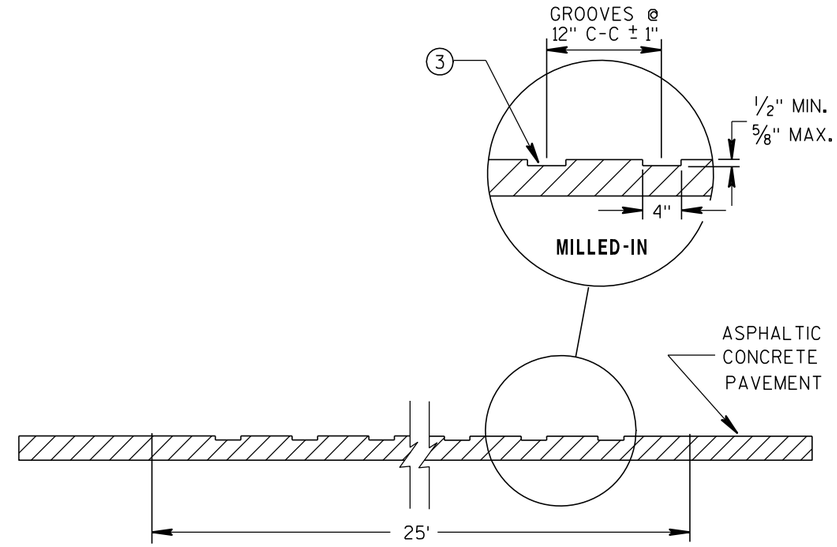
POSTED SPEED (mph)	DISTANCE TO RUMBLE STRIP		
	DIST. A	DIST B	DIST.C
55	425'	650'	1000'
50	325'	450'	800'
45	275'	400'	650'
40	225'	(1)	550'
35	175'	(1)	475'
≤ 30	125'	(1)	425'

(1) ELIMINATE THE MIDDLE SET OF RUMBLE STRIPS.

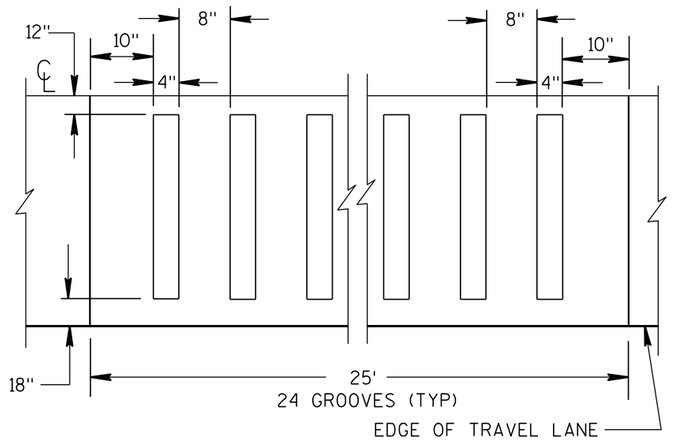
(2) LOCATE RUMBLE STRIP 200' IN ADVANCE OF W3-1 SIGN AS SHOWN. IF W3-1 IS NOT IN PLACE, USE DISTANCE C.

(3) TYPICAL VERTICAL VARIATION BETWEEN PEAKS AND VALLEYS WITHIN THE CUT APPROXIMATELY 1/16"

(4) 12" CLEAR BETWEEN THE SOLID YELLOW LINE AND THE EDGE OF THE RUMBLE.



ELEVATION VIEW



PLAN VIEW

ASPHALTIC PAVEMENT MILLED-IN

GENERAL NOTES

CONTRACTOR SHALL CONFIRM RUMBLE STRIP LOCATION WITH THE ENGINEER PRIOR TO INSTALLATION. THE ENGINEER MAY MODIFY THE RUMBLE STRIP LOCATION AS FIELD CONDITIONS DICTATE.

WHEN ASPHALTIC PAVEMENT IS NEW IN THE RUMBLE AREA THE CONTRACTOR SHALL ALLOW THE PAVEMENT TO CURE A MINIMUM OF 7 DAYS PRIOR TO RUMBLE INSTALLATION.

PAVEMENT MARKING AND SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

ASPHALTIC RUMBLE STRIPS AT INTERSECTION

STATE OF WISCONSIN
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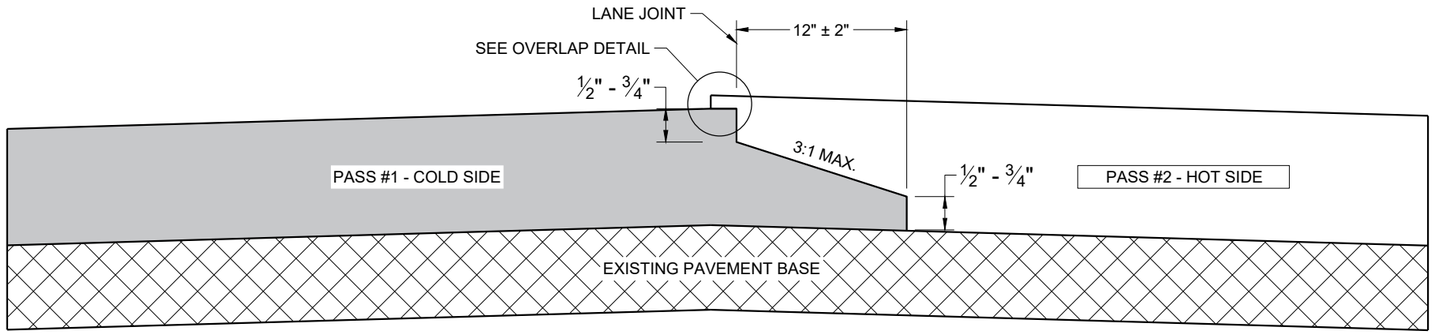
APPROVED

8/17/2011
DATE

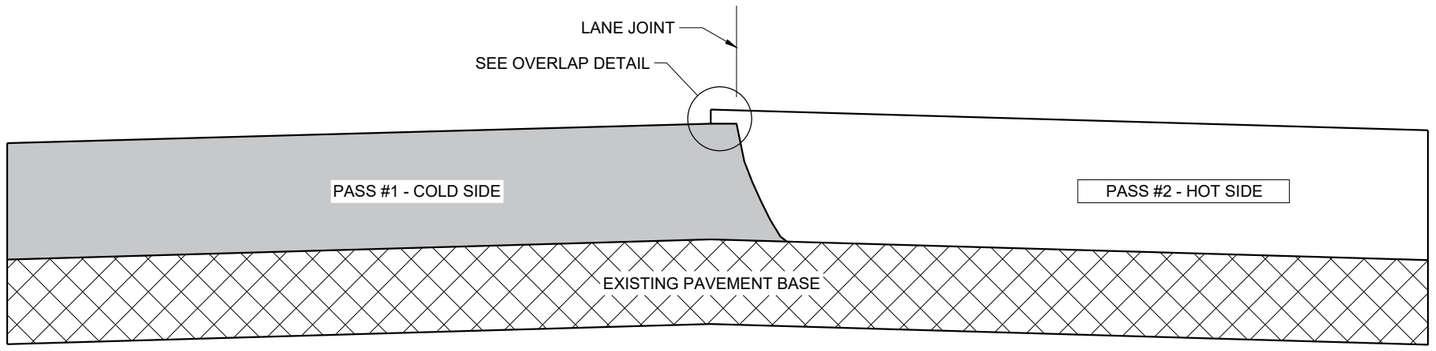
/S/ Jerry H. Zogg
ROADWAY STANDARDS | 138
ENGINEER

FHWA

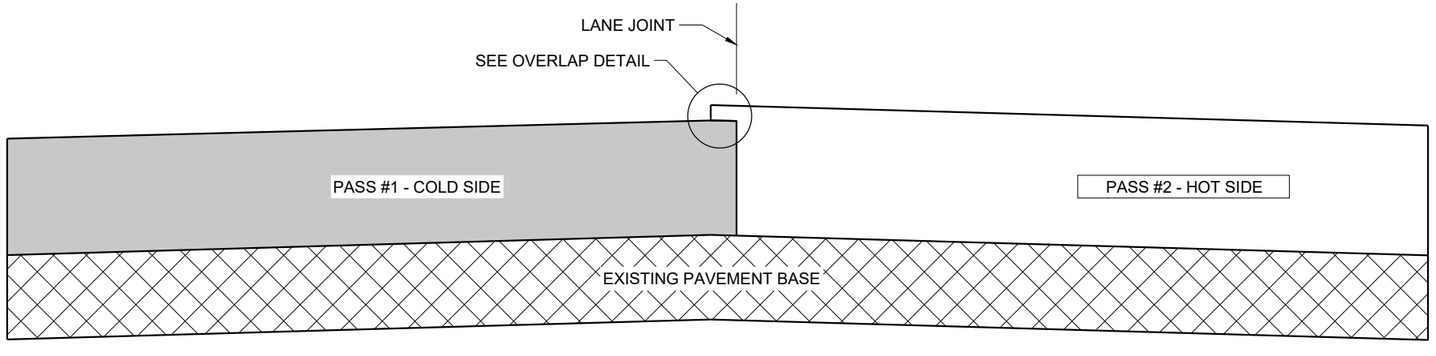
6
S.D.D. 13 A 8-1



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

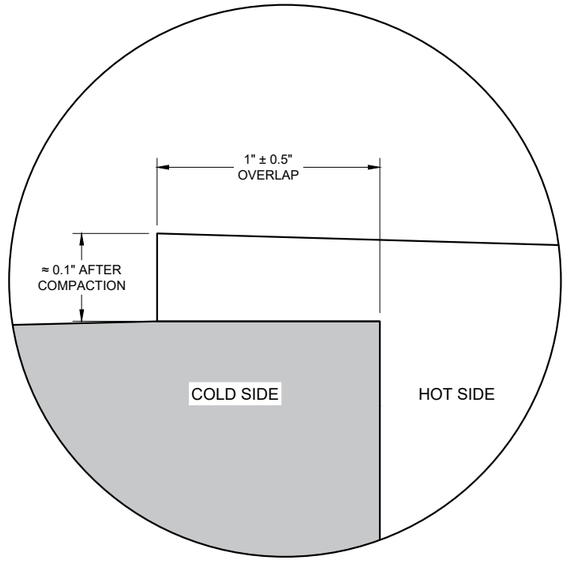
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

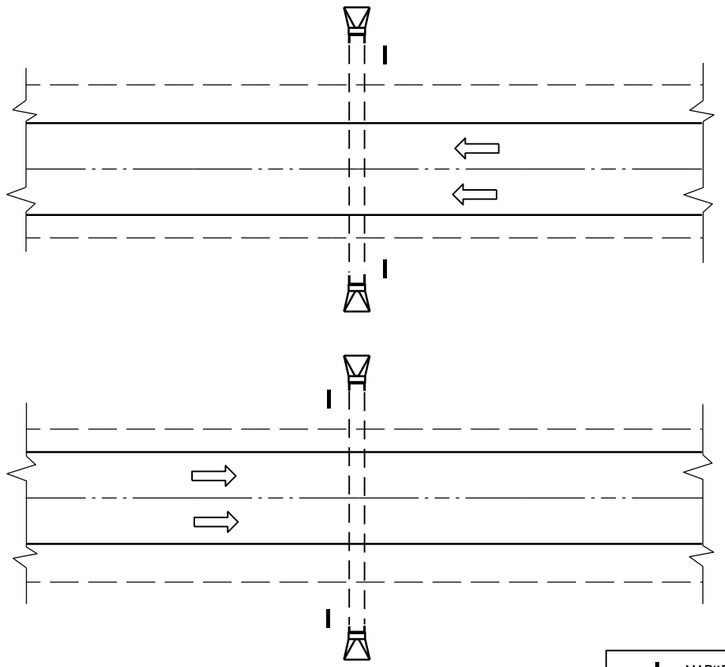
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

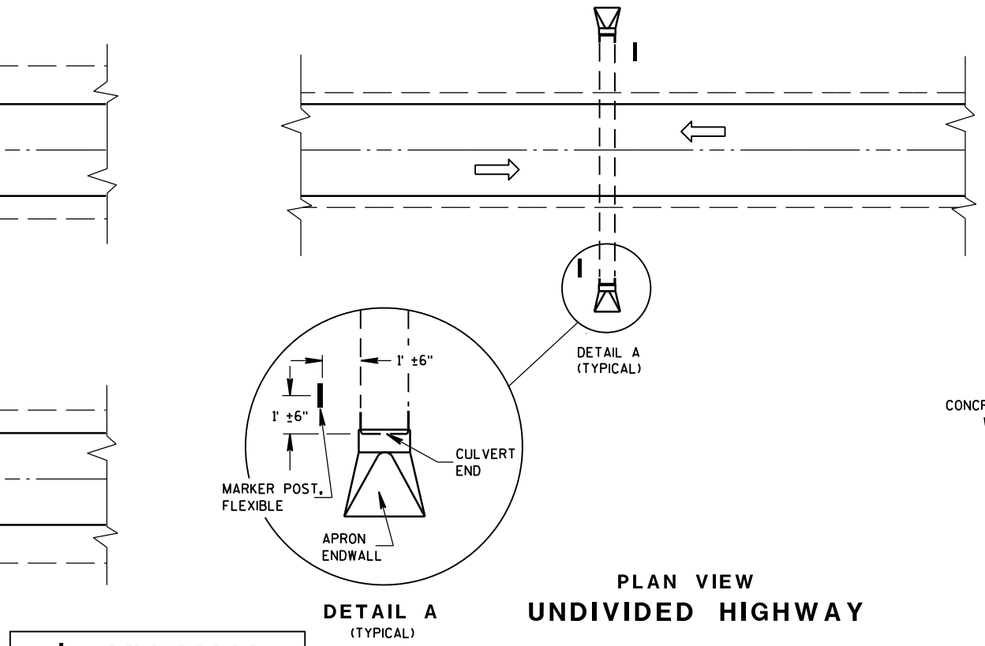
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

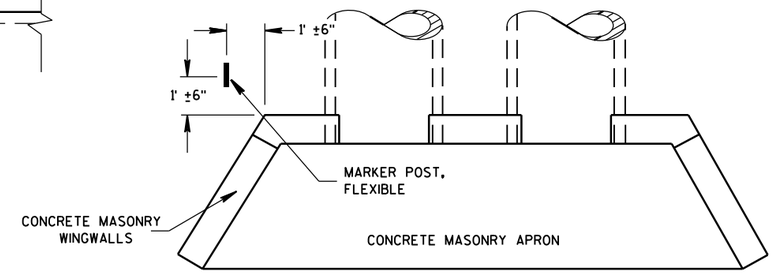
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

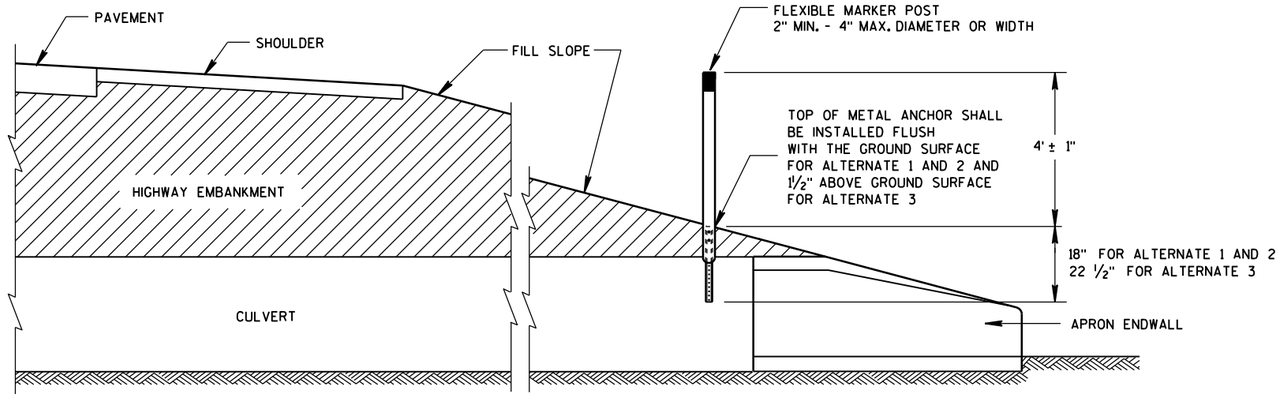
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

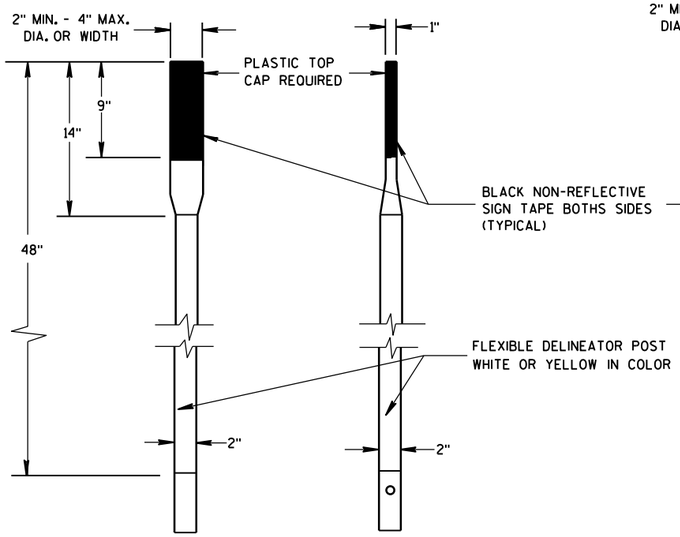
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

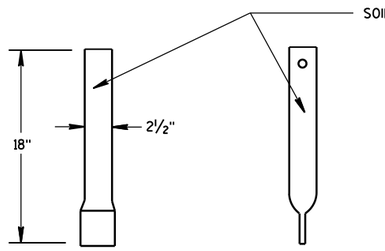
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S.D.D. 15 A 3-2a

6

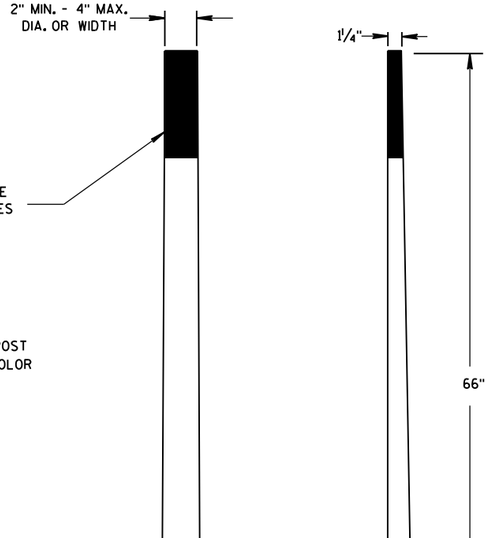
S.D.D. 15 A 3-2a





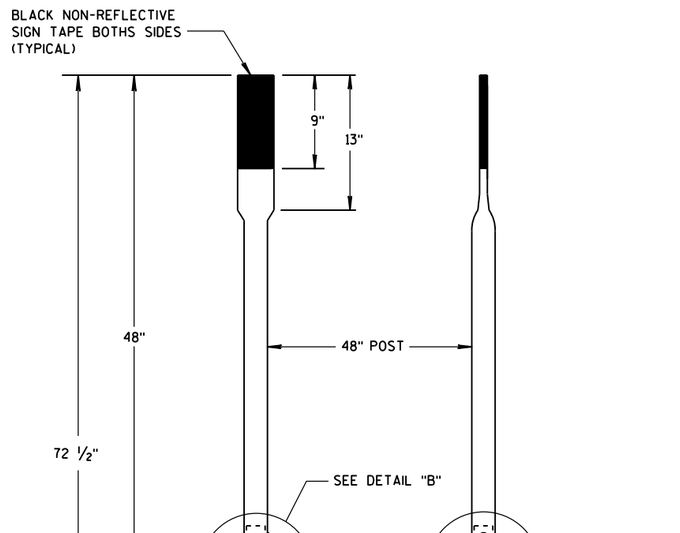
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

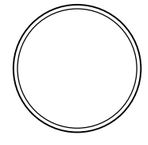
ALTERNATE 2



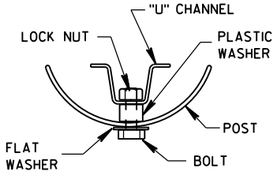
FRONT VIEW SIDE VIEW

ALTERNATE 3

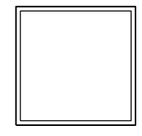
FLEXIBLE MARKER POSTS



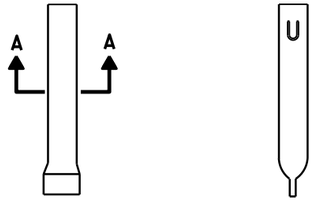
SECTION A-A



SECTION B-B

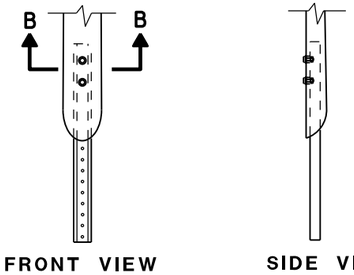


SECTION C-C



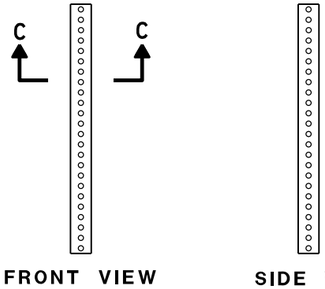
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

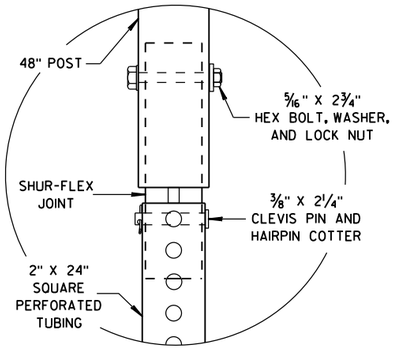
ALTERNATE 2



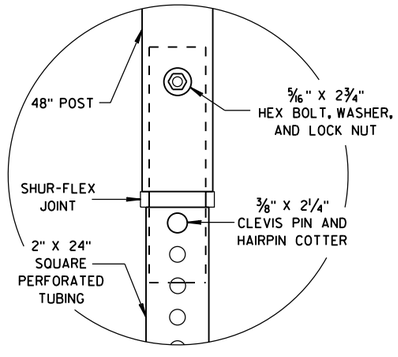
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



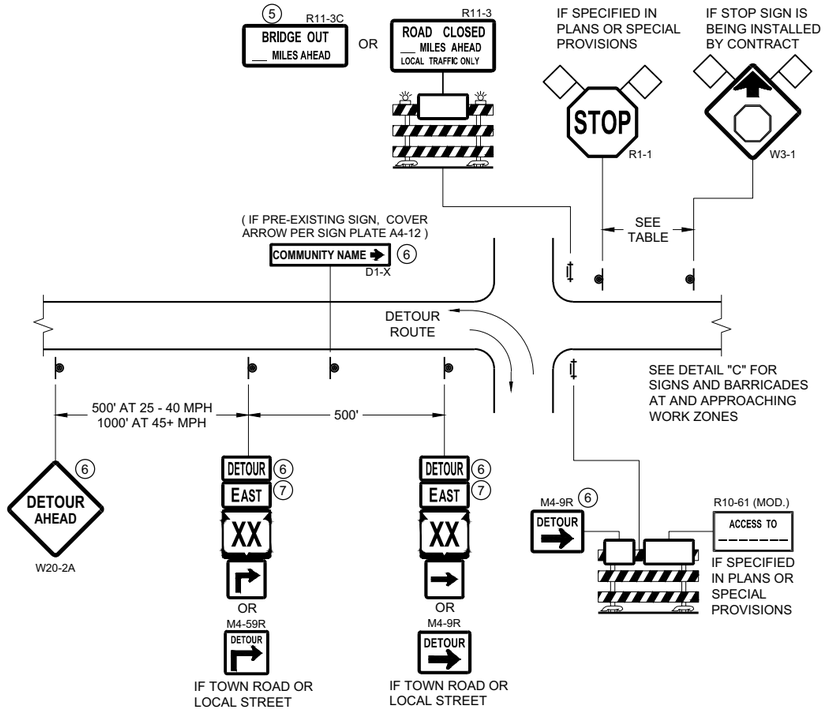
DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

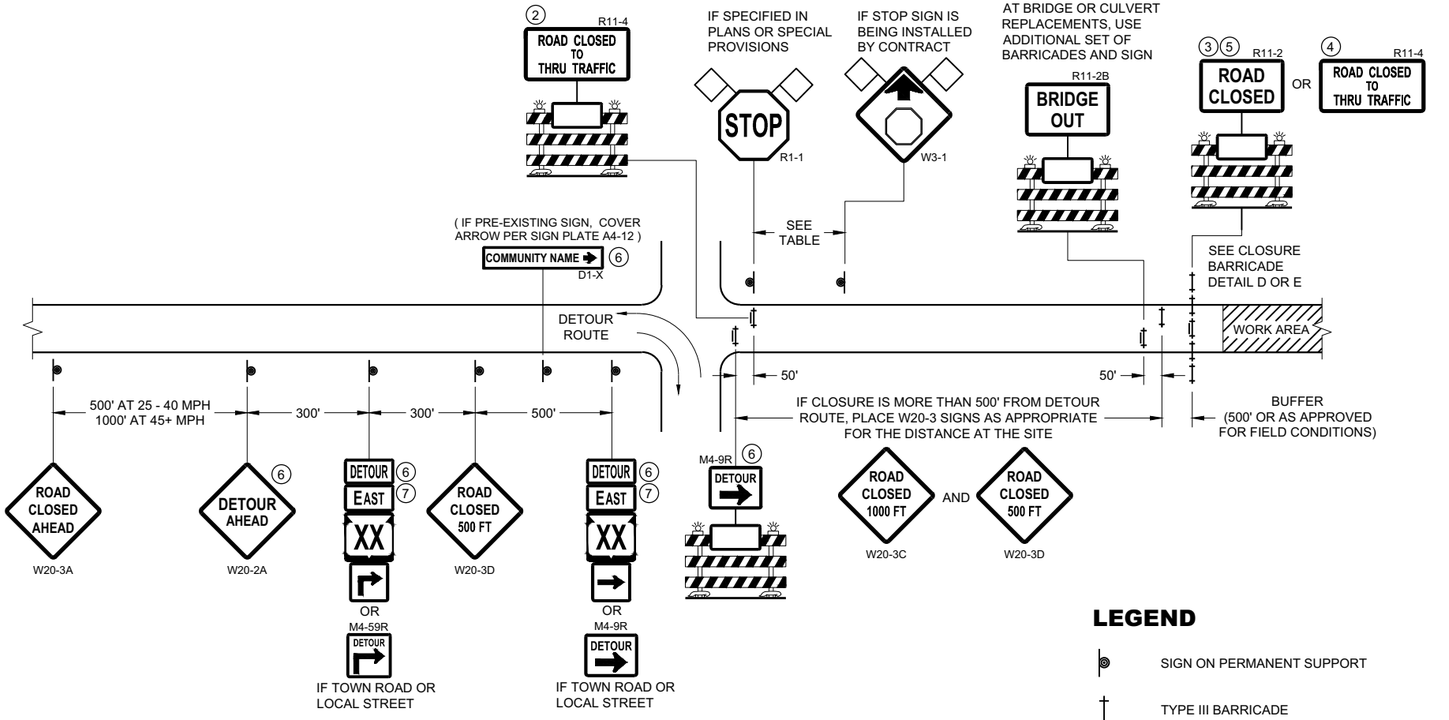
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6
S.D.D. 15 A 3-2b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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

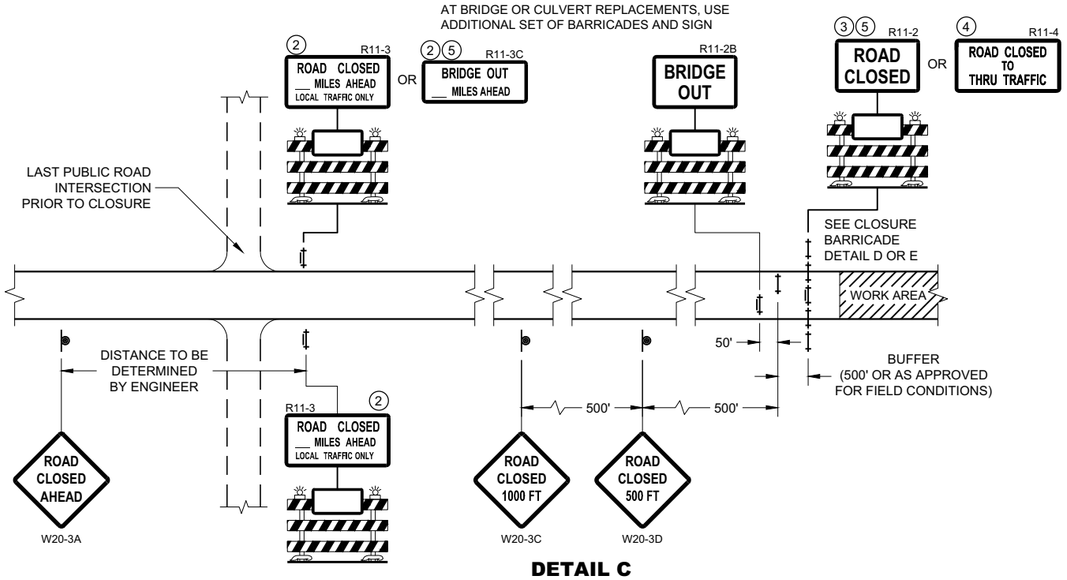
SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b" FOR GENERAL NOTES AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

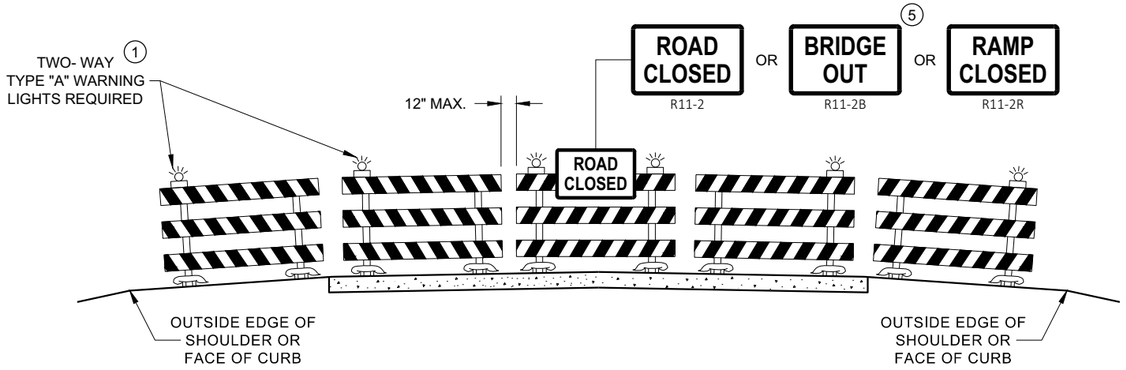
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

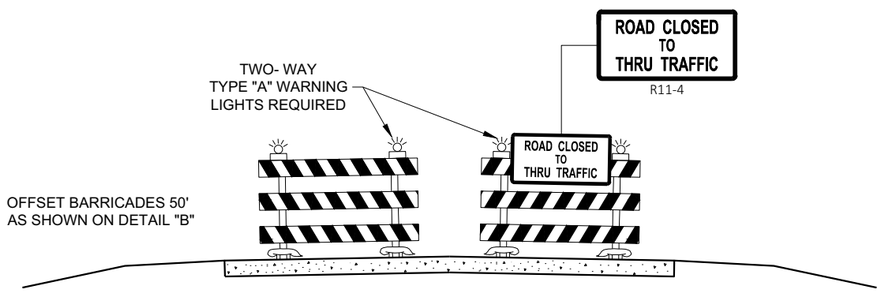
FHWA

SDD 15C02 - 08a

6
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.

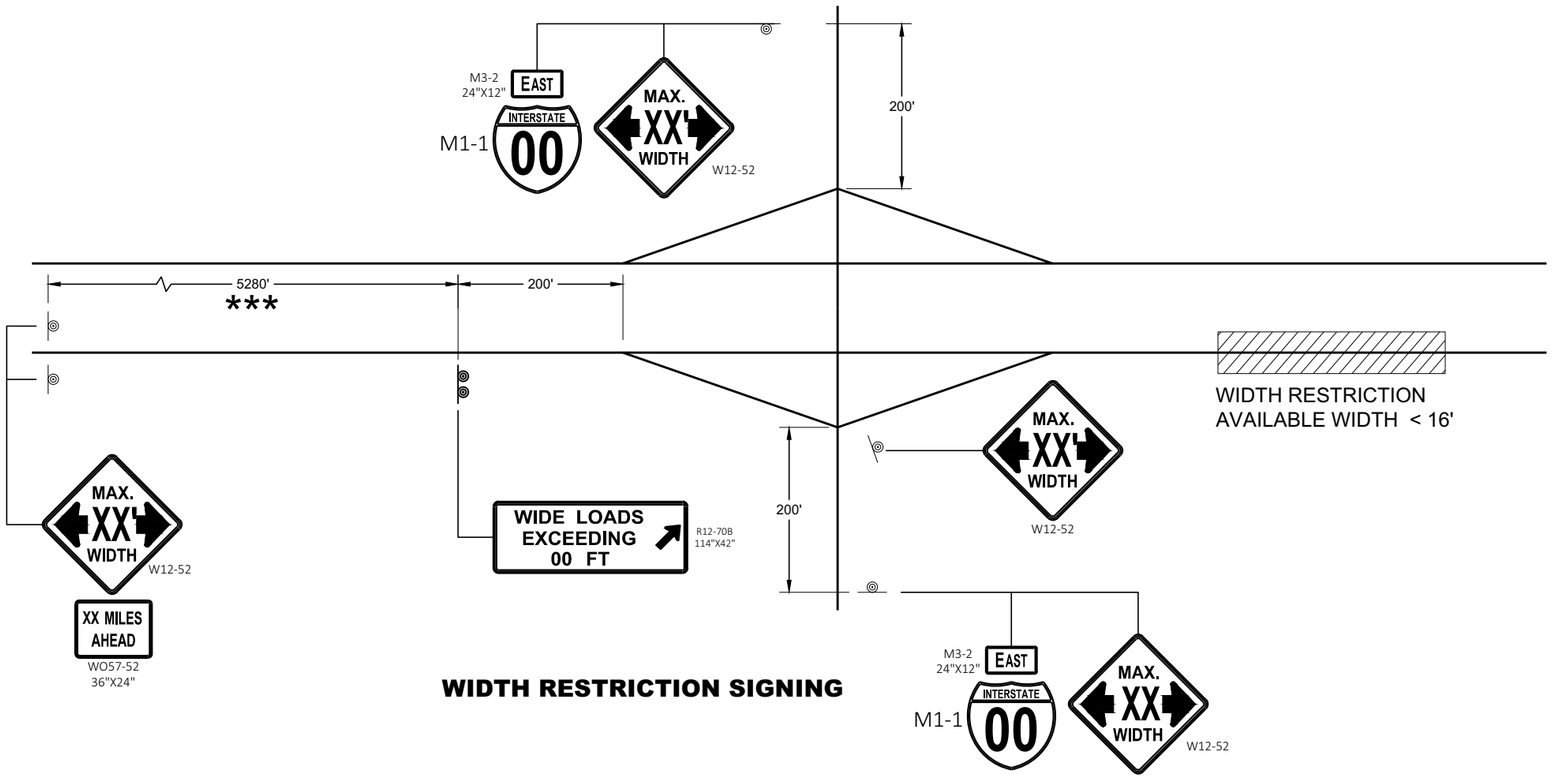
BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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.

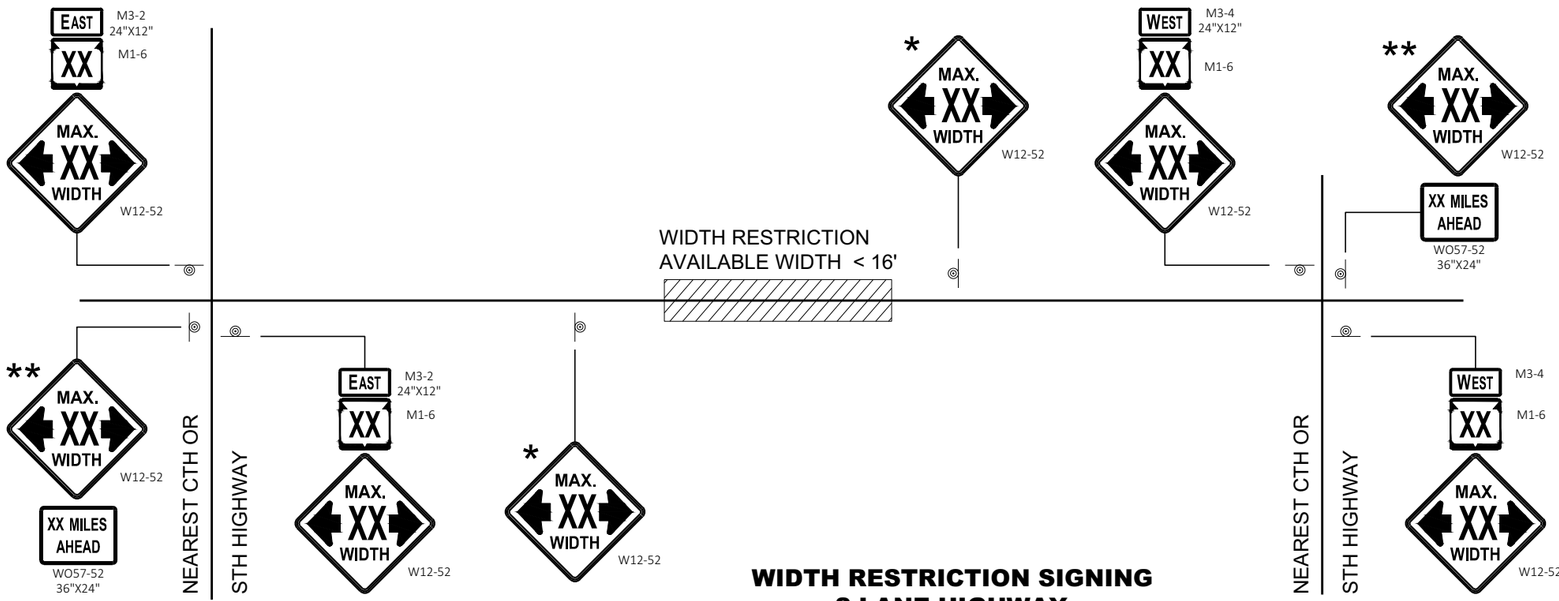
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** 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

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C02 - 08f

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.

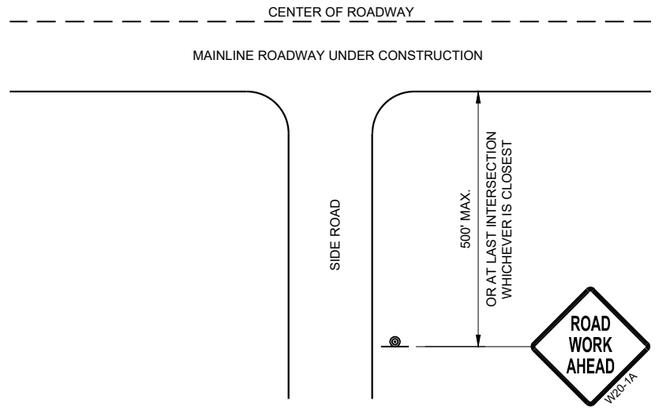
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

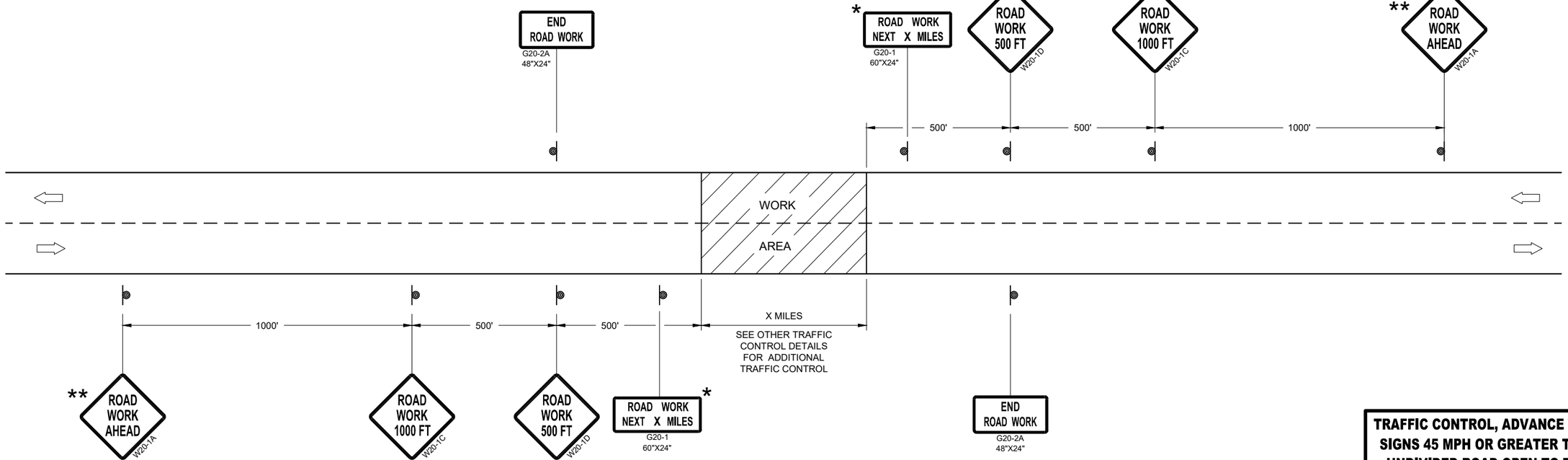
** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



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

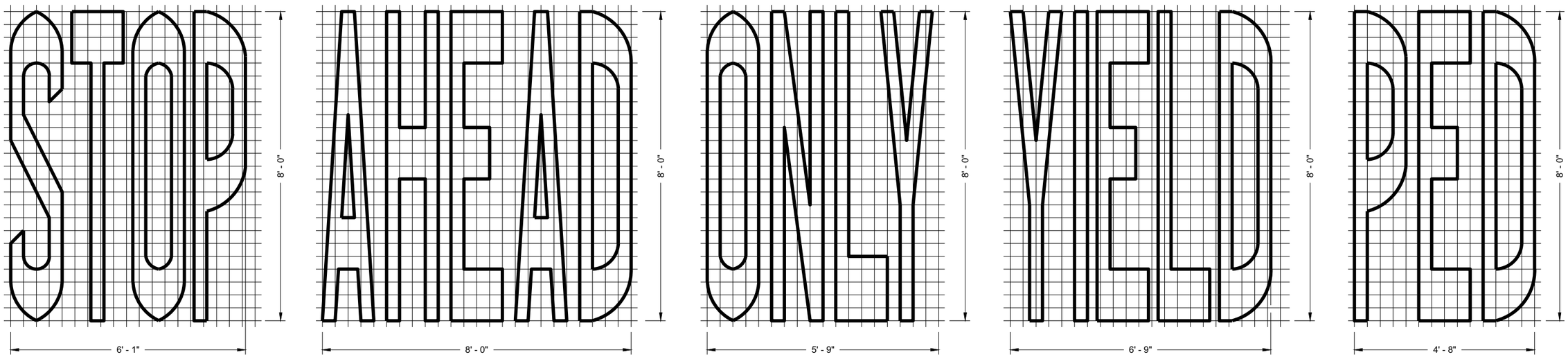
APPROVED
July 2018
DATE

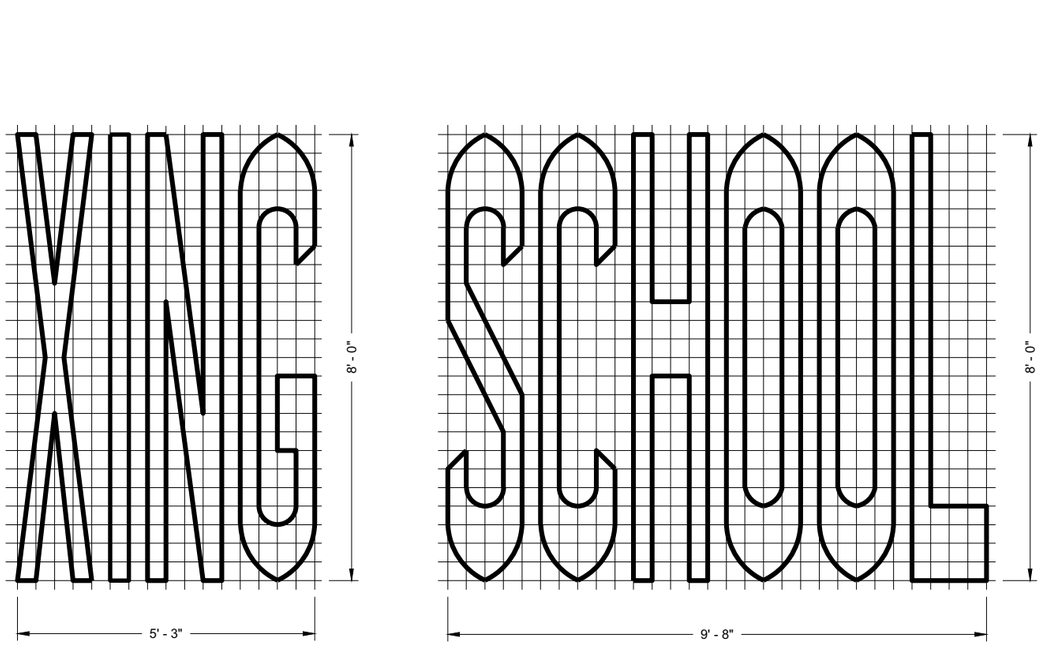
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

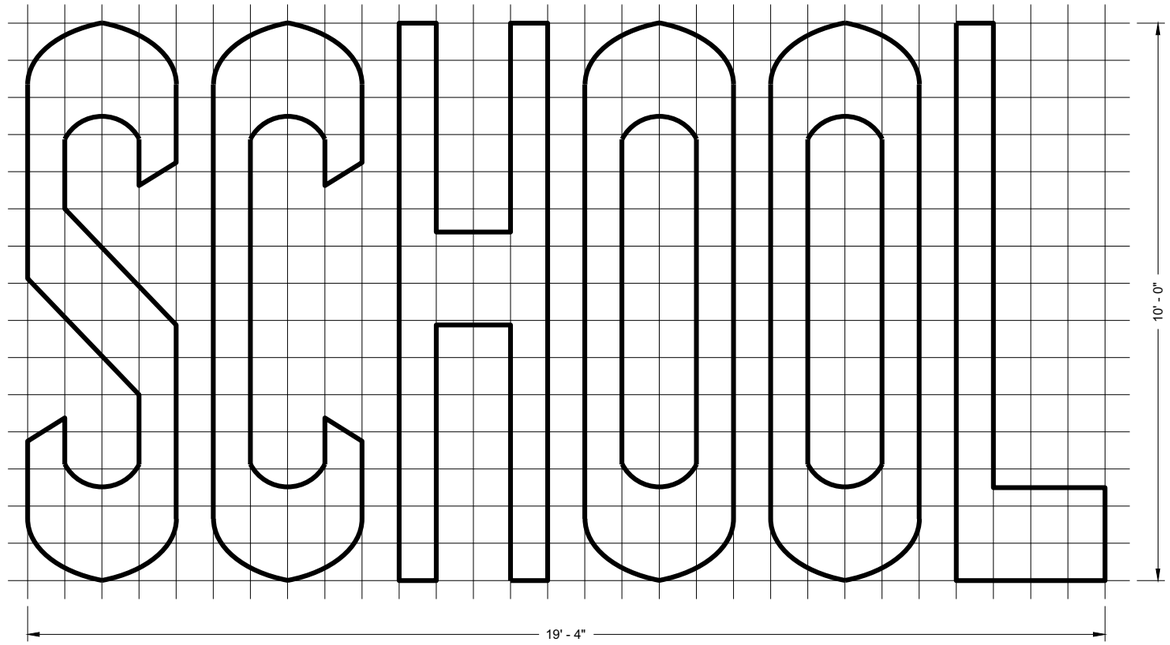
6

SDD 15C04 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

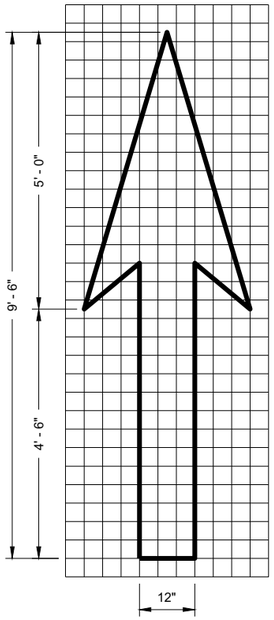
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SDD 15C07 - 15b

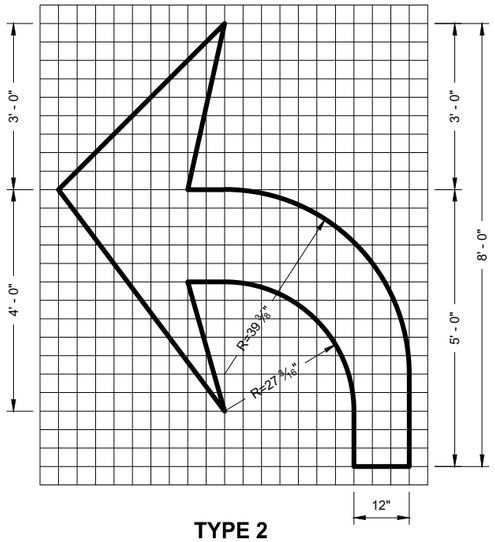
SDD 15C07 - 15b

GENERAL NOTES

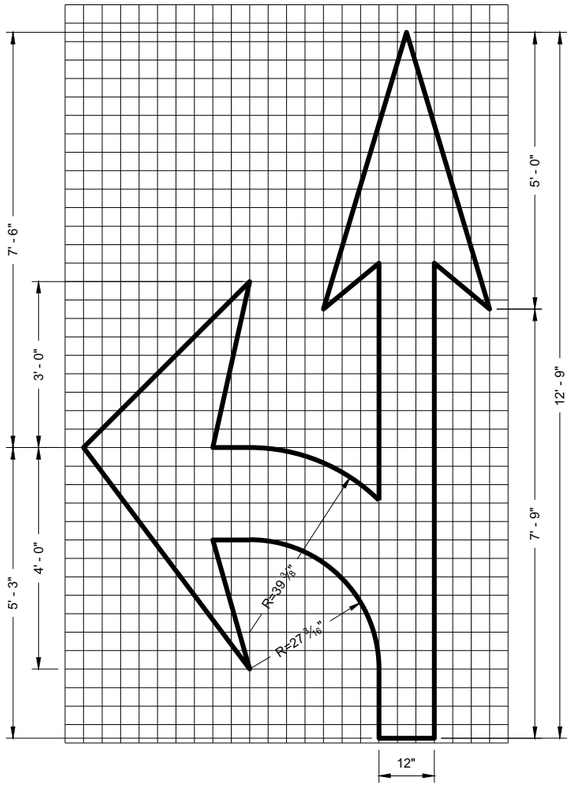
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



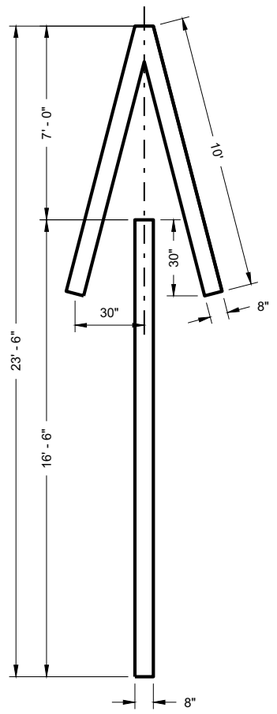
TYPE 1



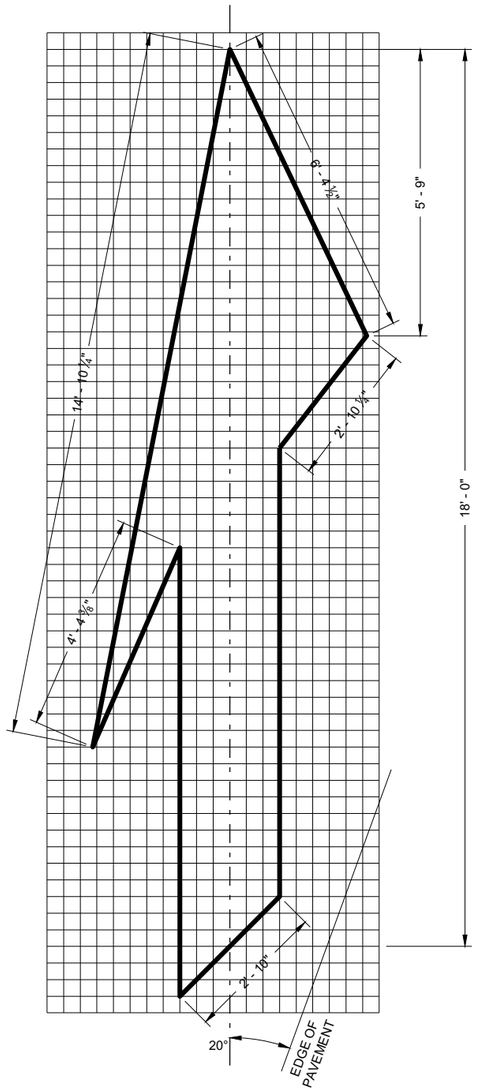
TYPE 2



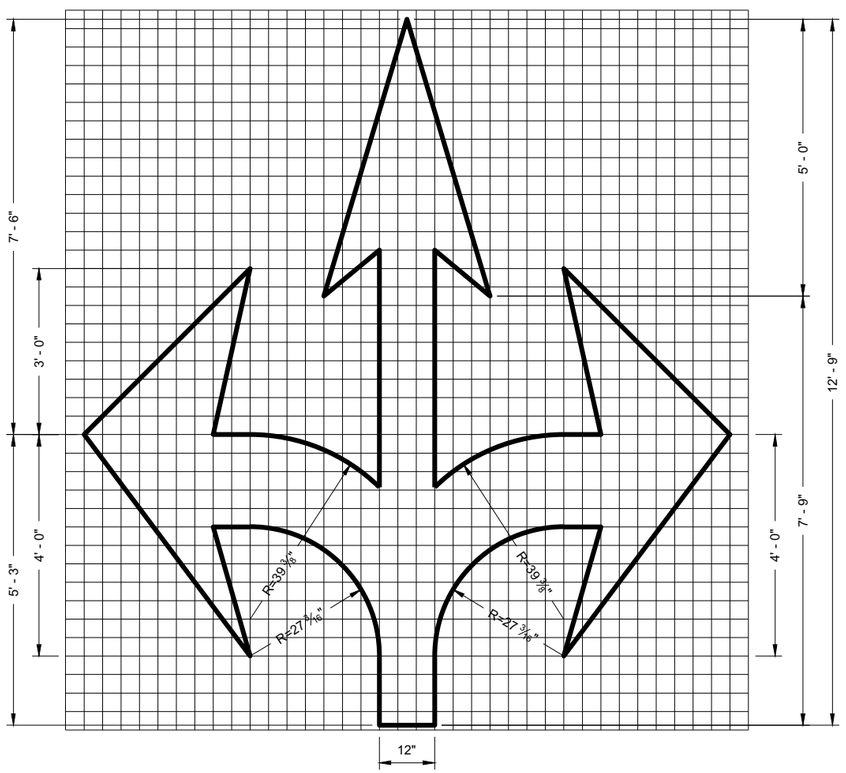
TYPE 3



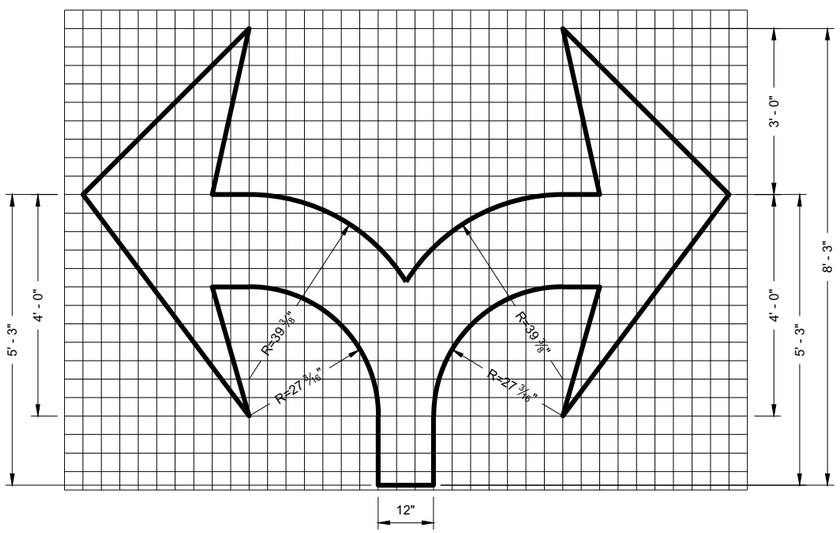
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

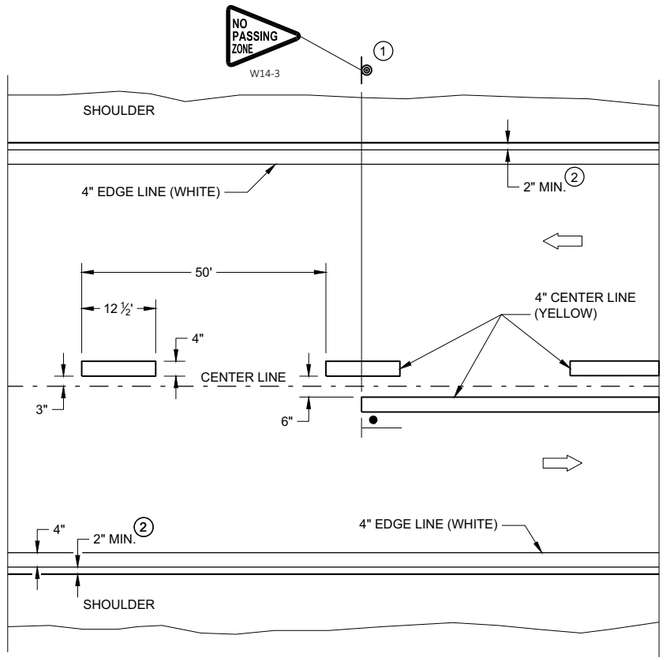
FHWA

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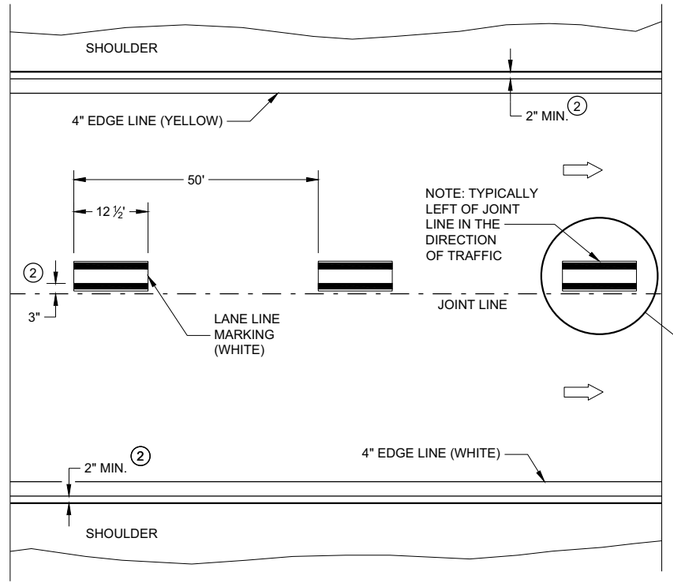
SDD 15C07 - 15c

6

SDD 15C07 - 15c

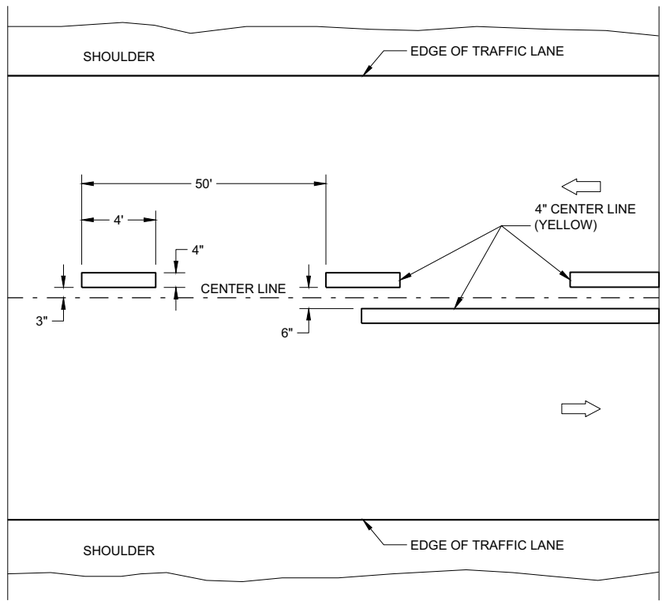


TWO WAY TRAFFIC

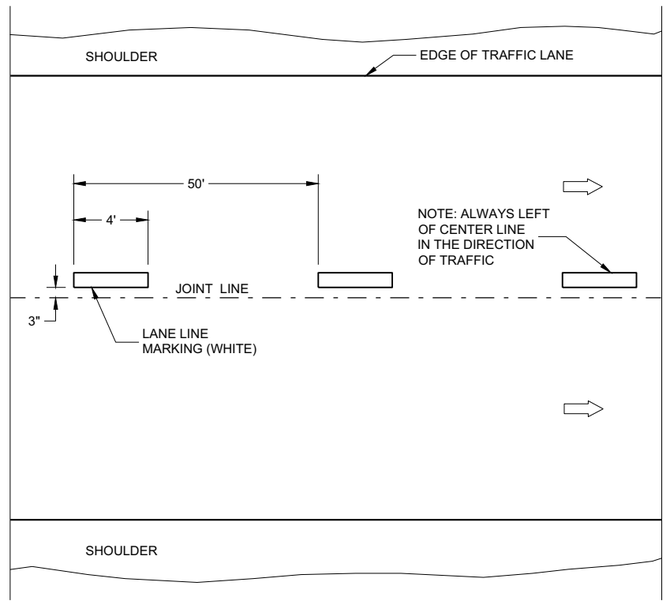


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

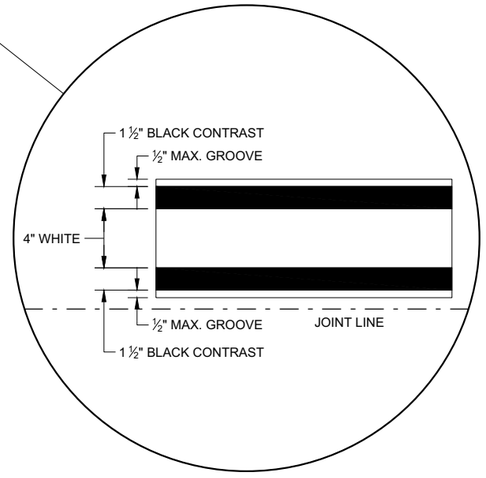
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

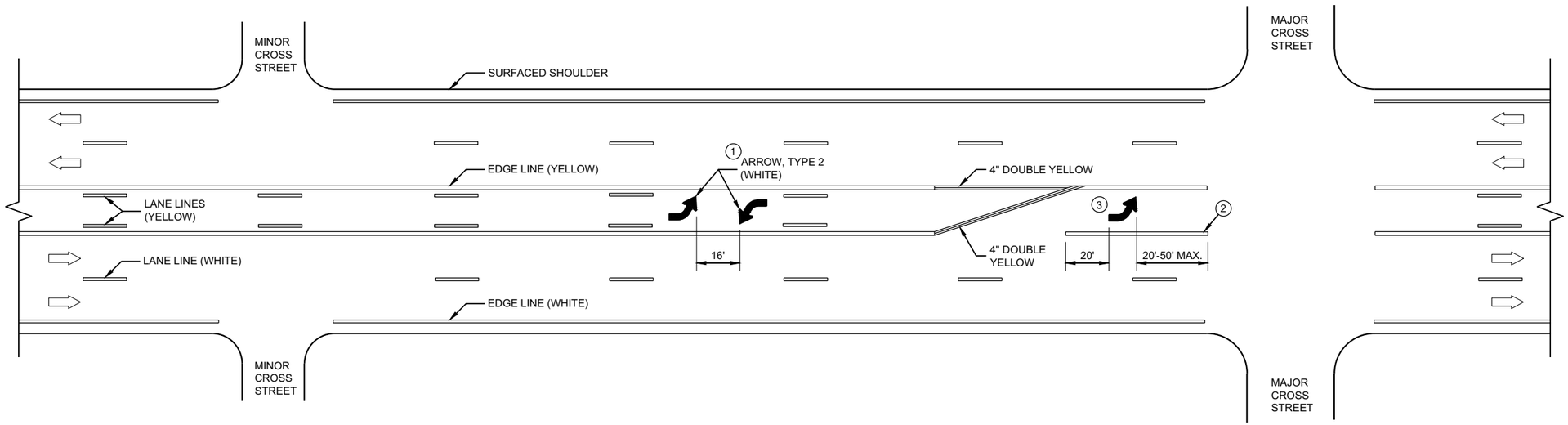
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

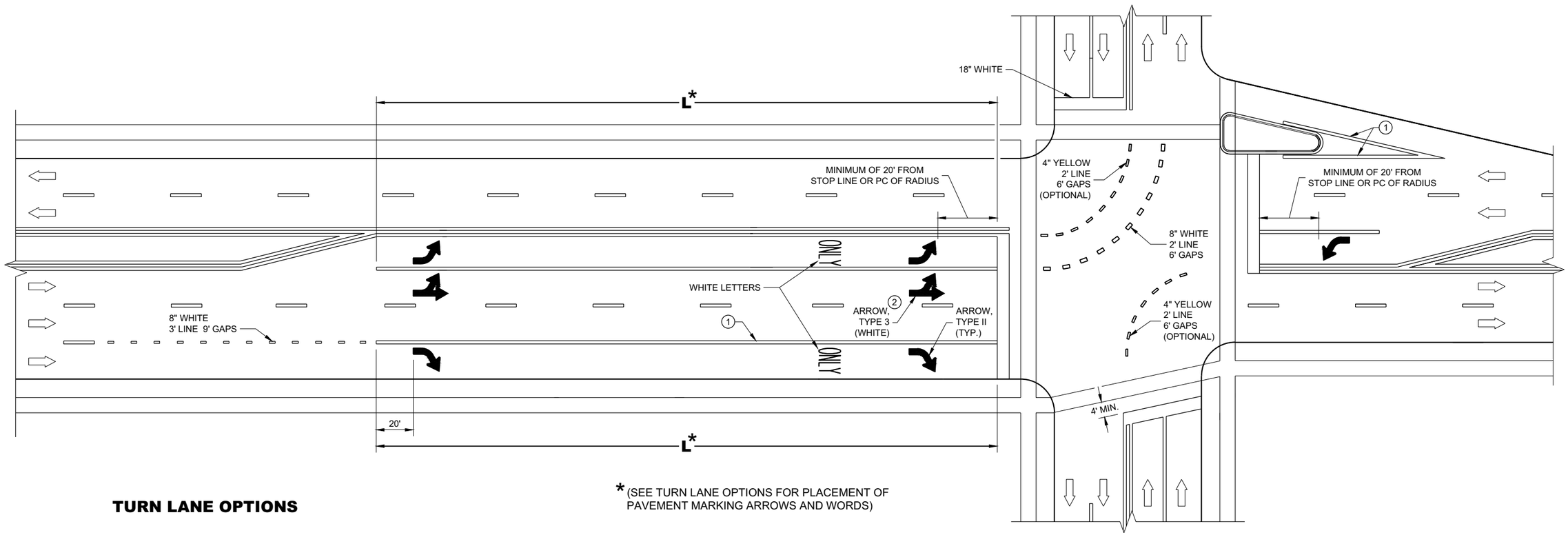
6

SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

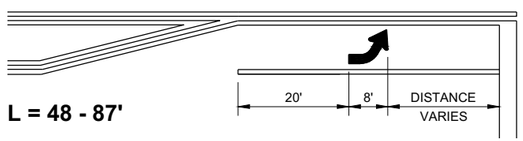
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA



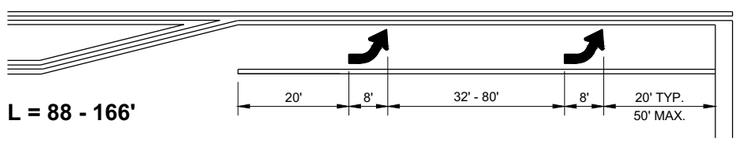
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

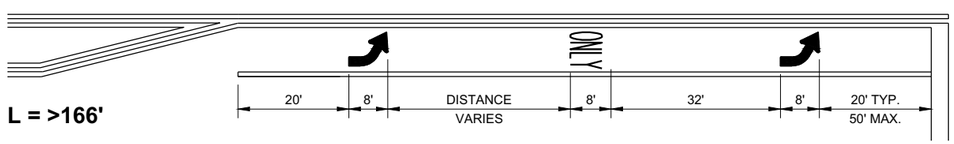
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

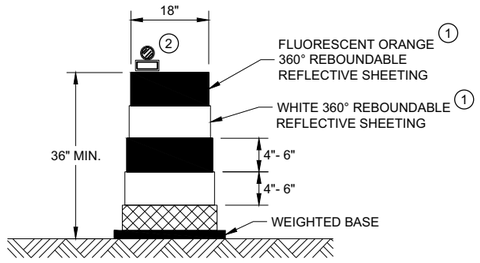
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

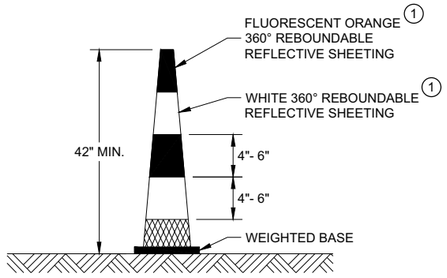
SDD 15C08 - 20c

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

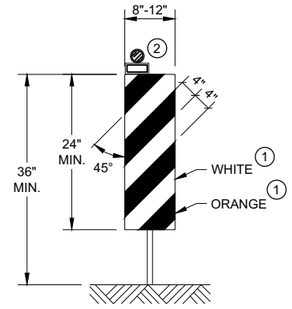


DRUM



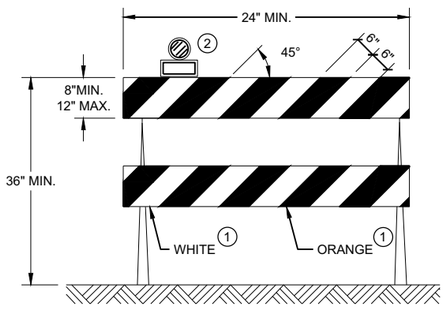
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



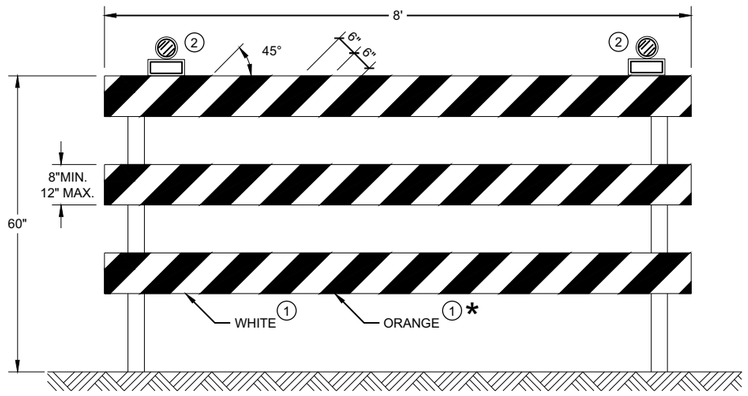
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C11 - 08b

6

SDD 15C11 - 08b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

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

GENERAL NOTES

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

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

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

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

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

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

FLAGGING

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

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

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

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

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

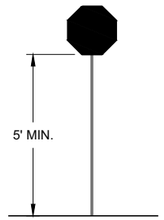
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

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

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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



STOP/SLOW PADDLE ON SUPPORT STAFF

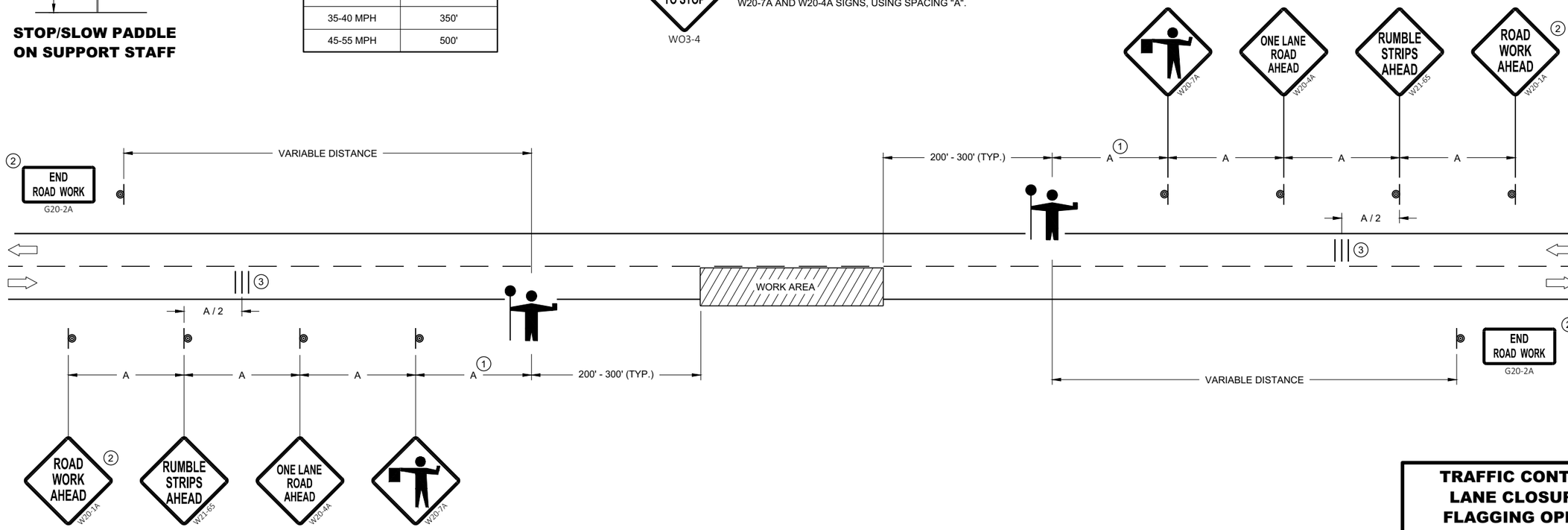
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

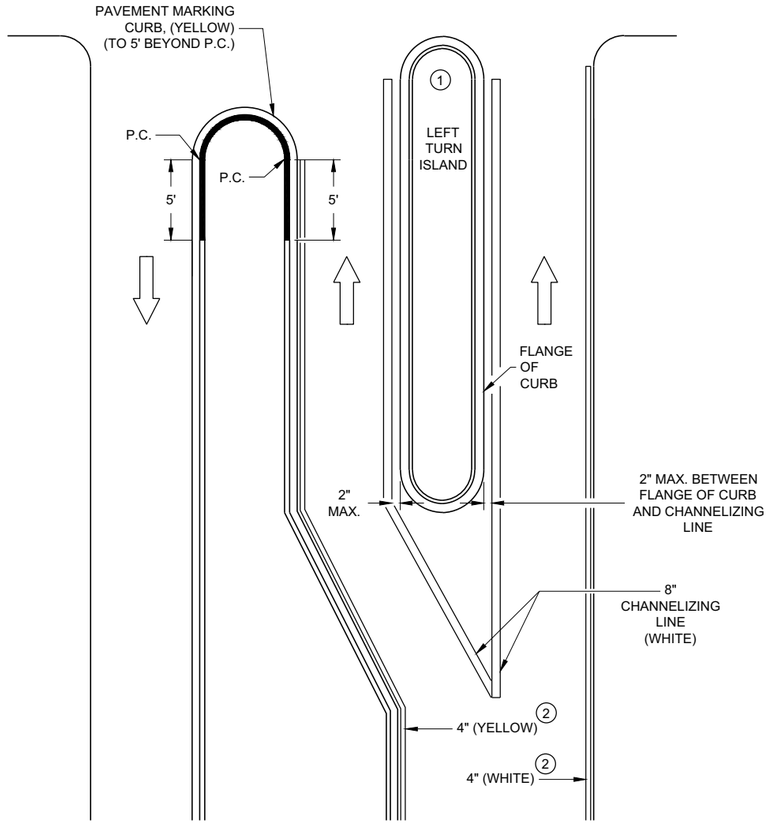
APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15C12 - 07

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

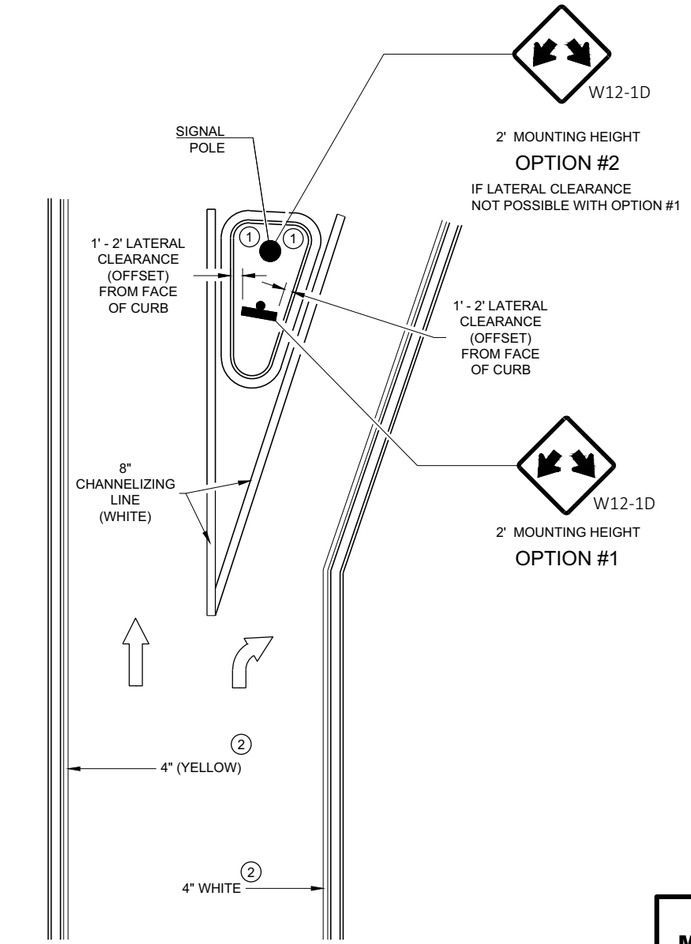
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C18 - 05c

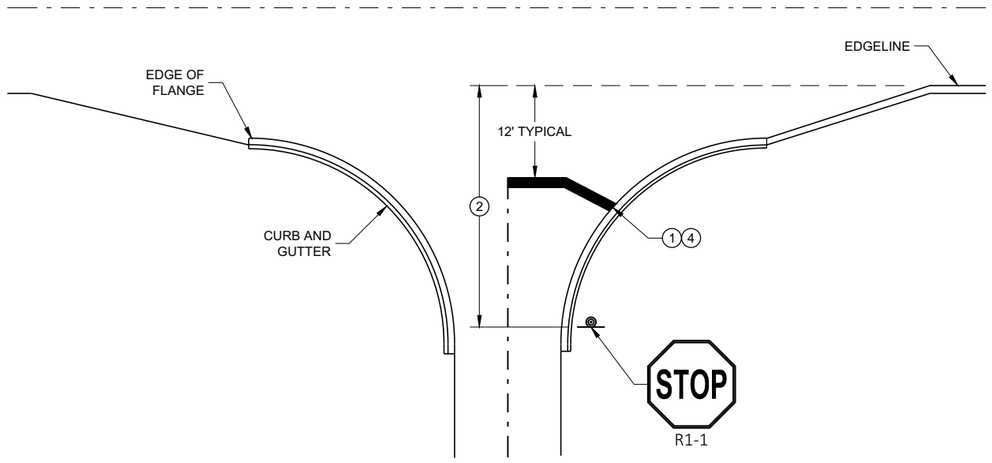
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SDD 15C18 - 05c

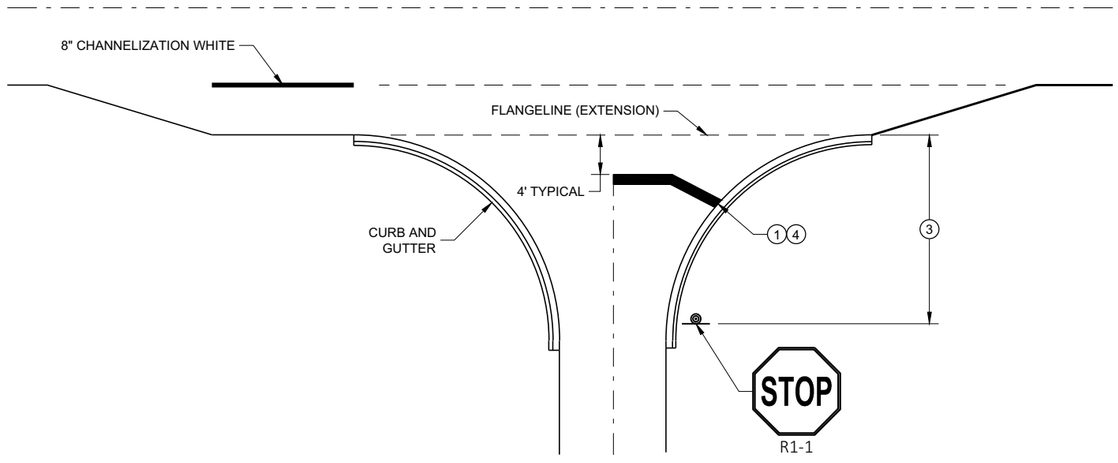
GENERAL NOTES

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

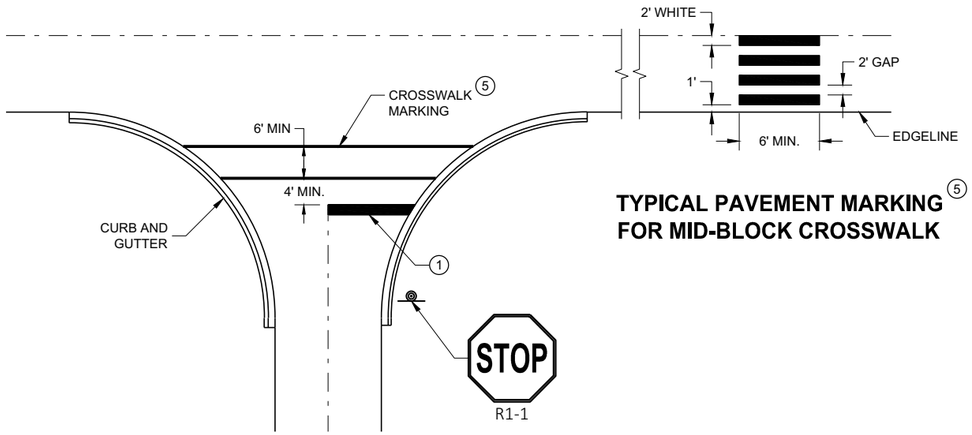
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE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

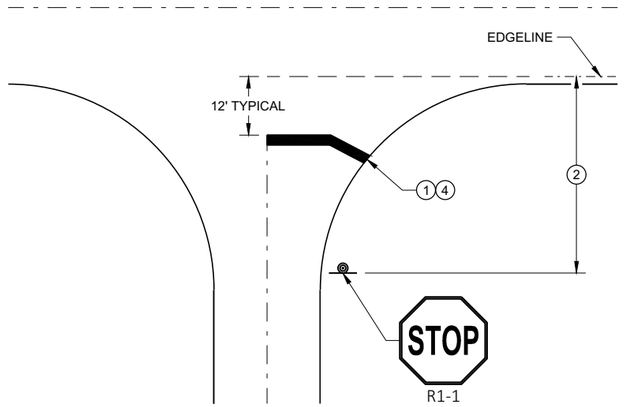


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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

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SDD 15C33 - 04

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SDD 15C33 - 04

GENERAL NOTES

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

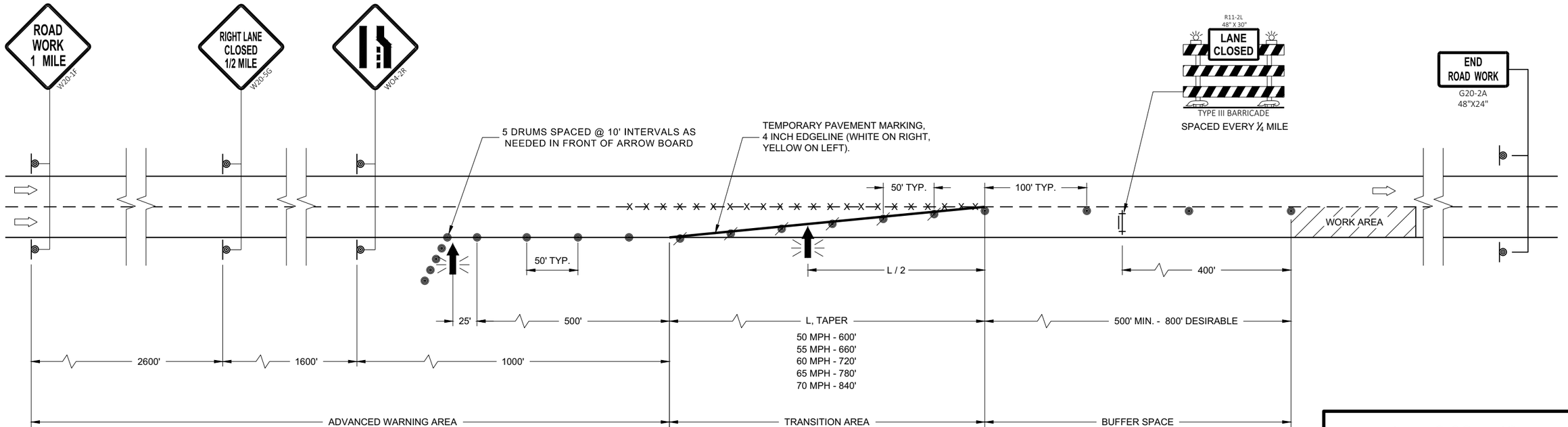
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

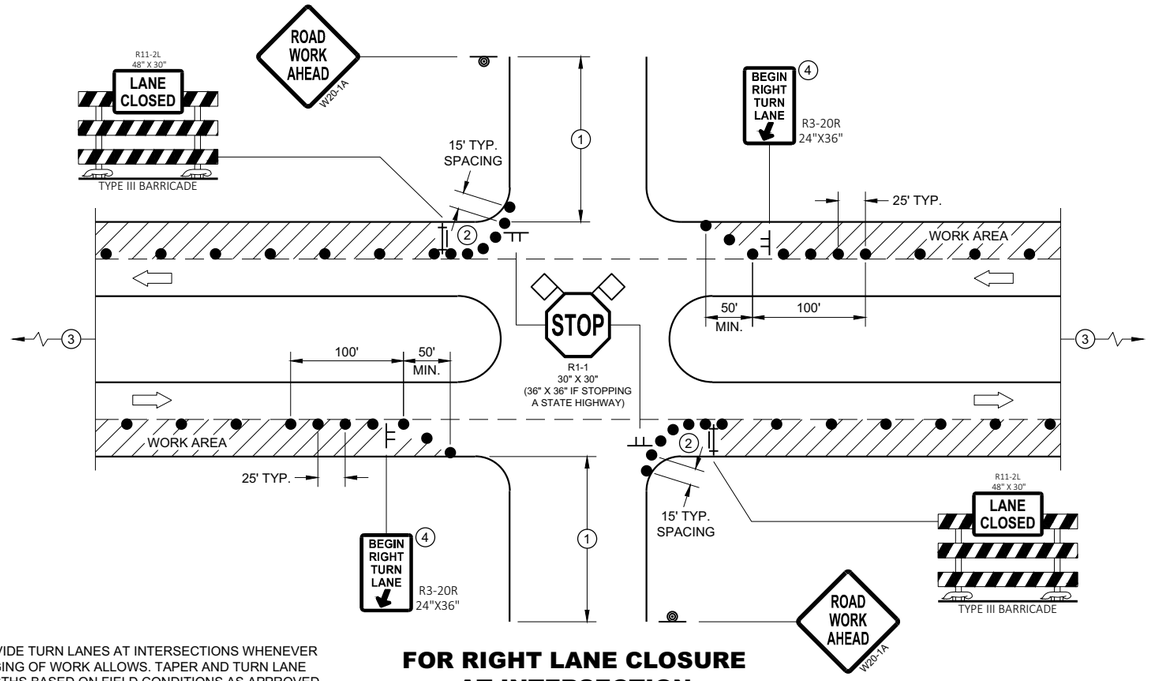
FHWA

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SDD 15D12 - 09a

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SDD 15D12 - 09a



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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 TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE 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.

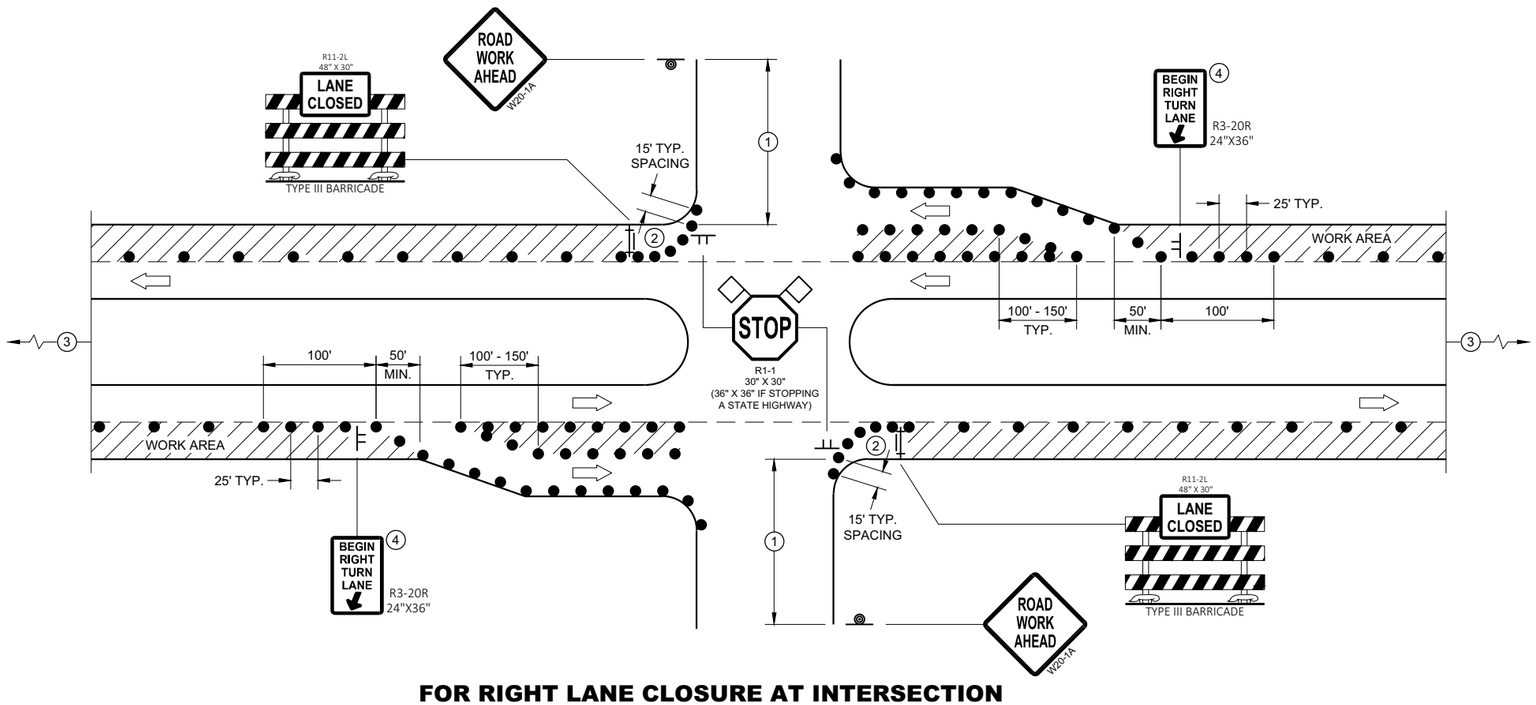
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

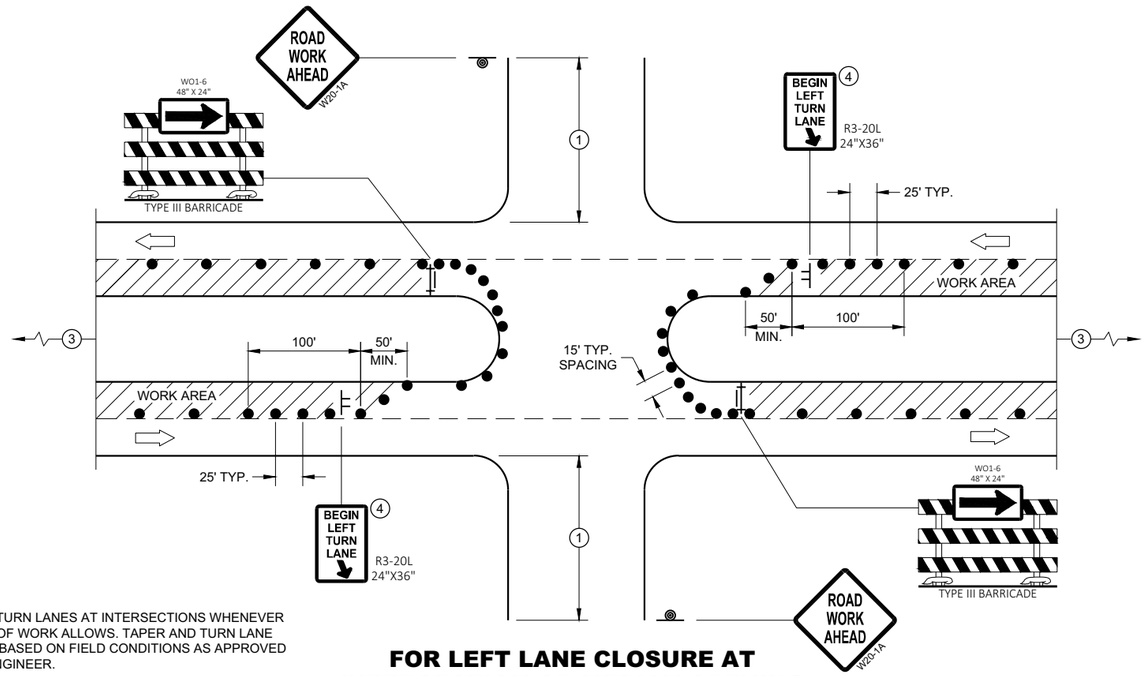
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTAT

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SDD 15D21 - 07a

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SDD15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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 TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE 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.

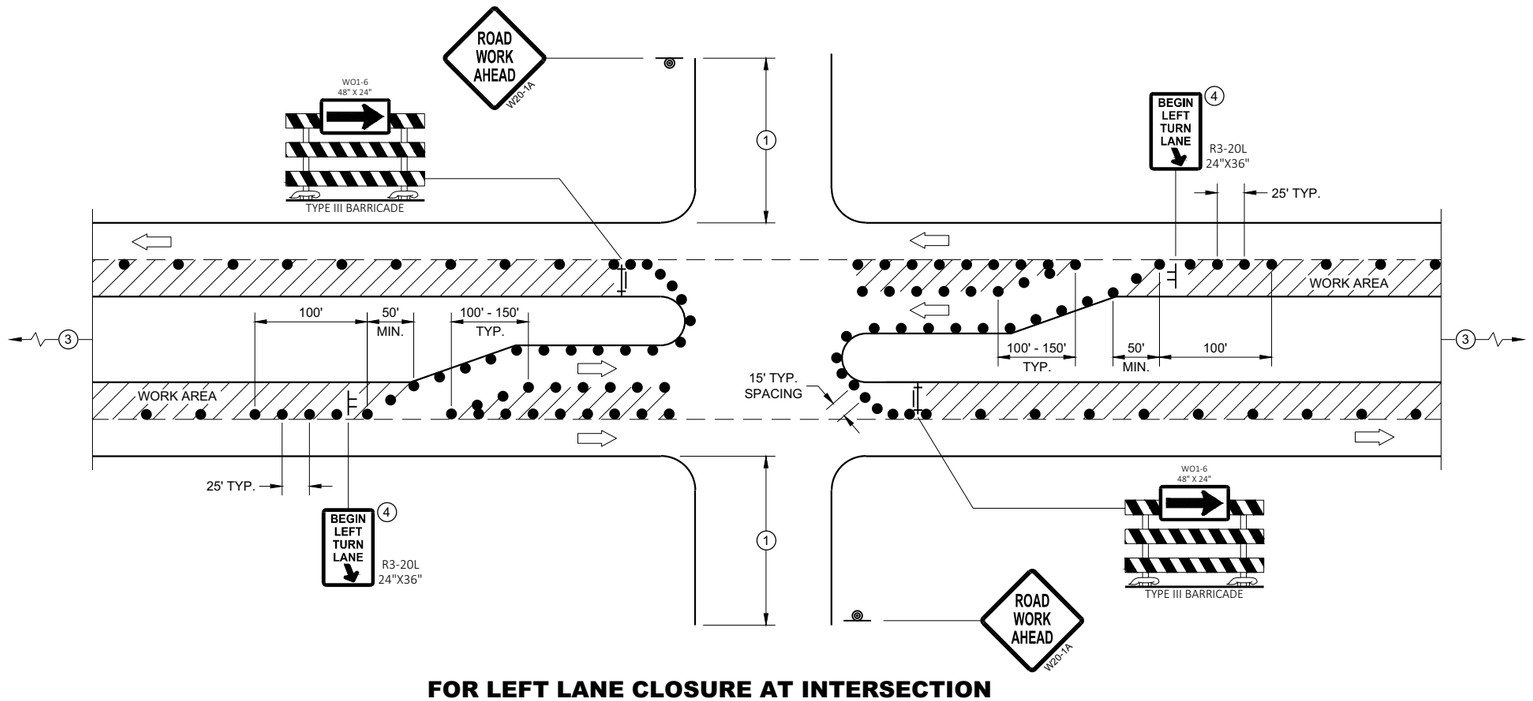
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

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.

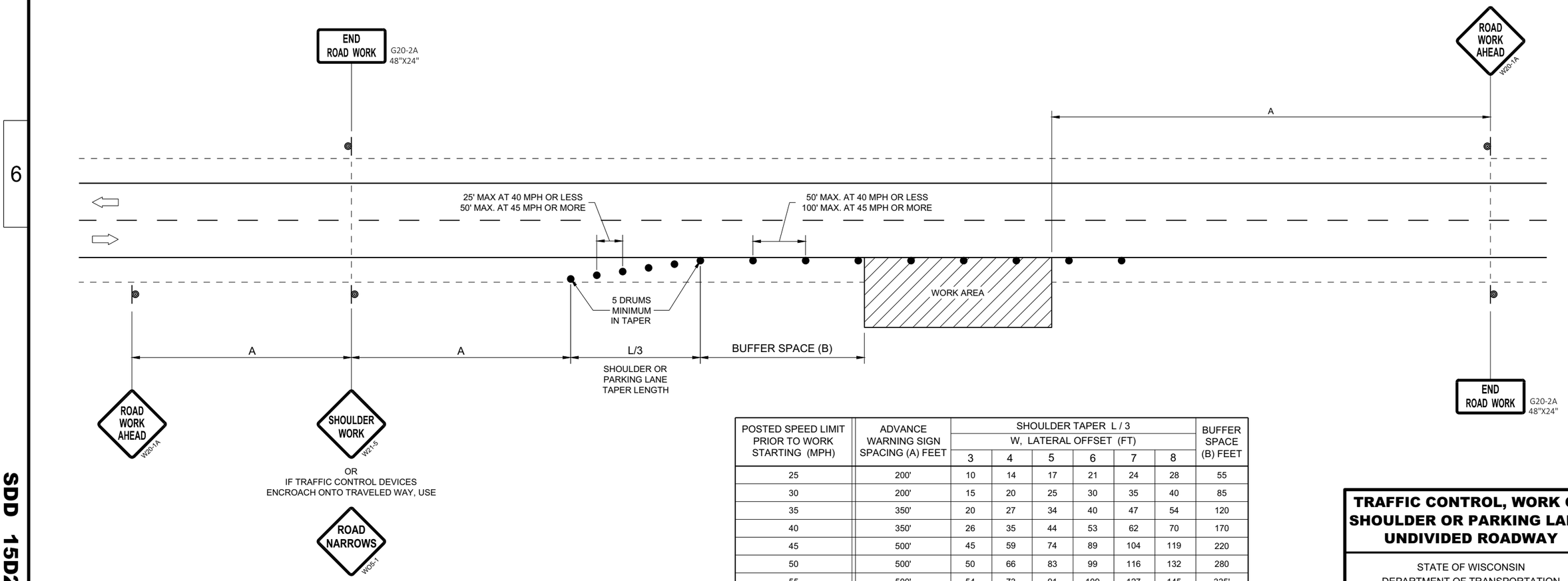
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

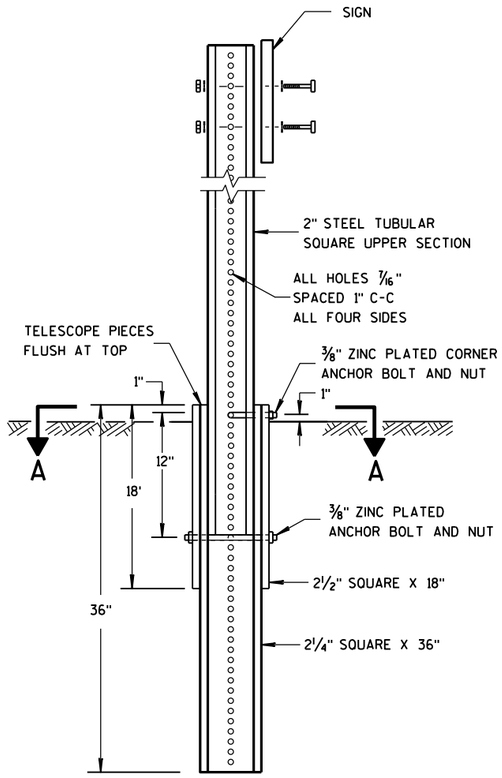
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

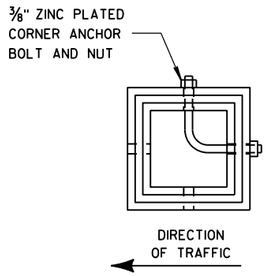
FHWA

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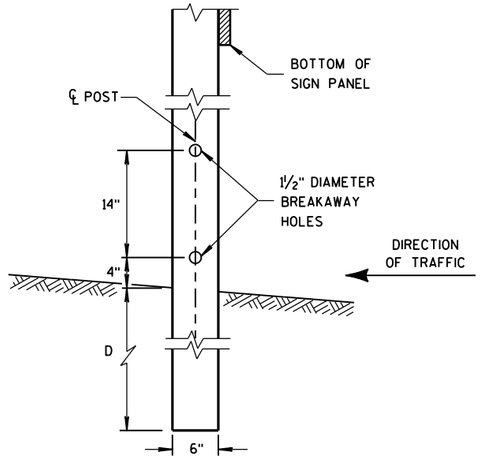
SDD 15D28 - 04



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



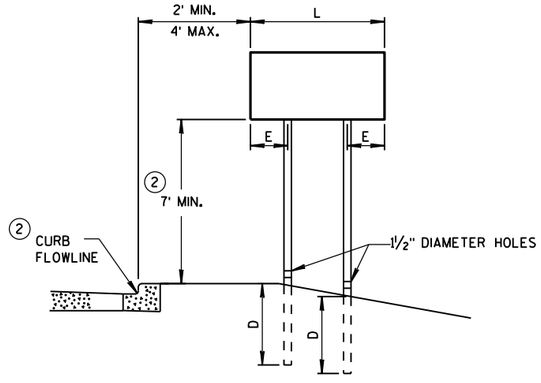
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

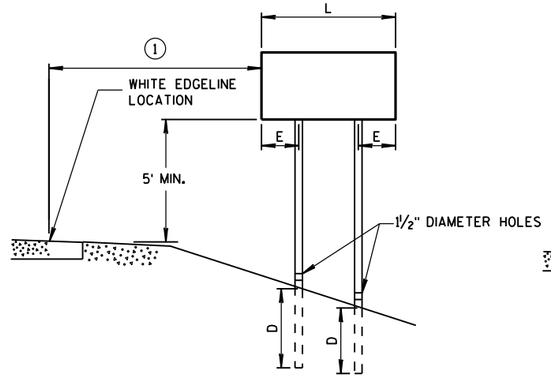
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

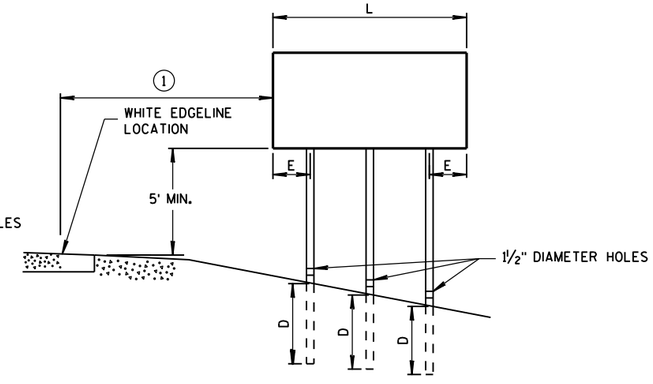
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

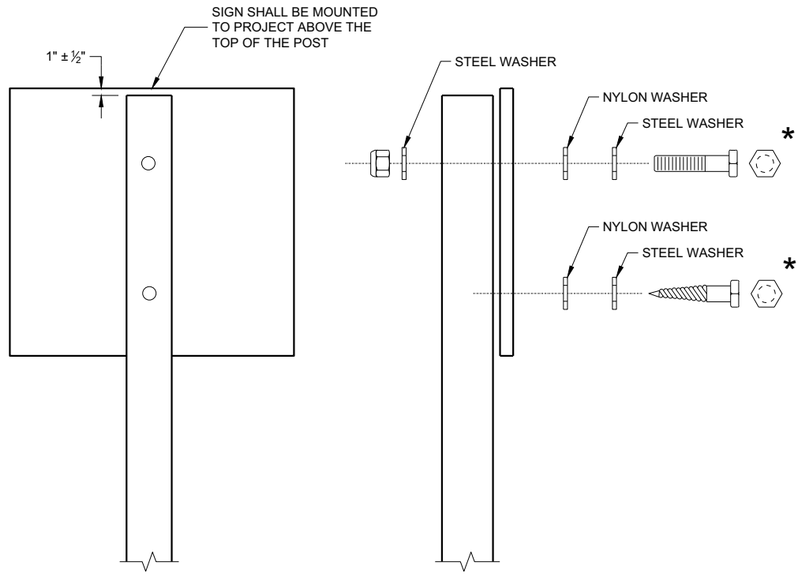
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 D 38-2a



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.

WOOD POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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SDD 15D38 - 02b

SDD 15D38 - 02b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

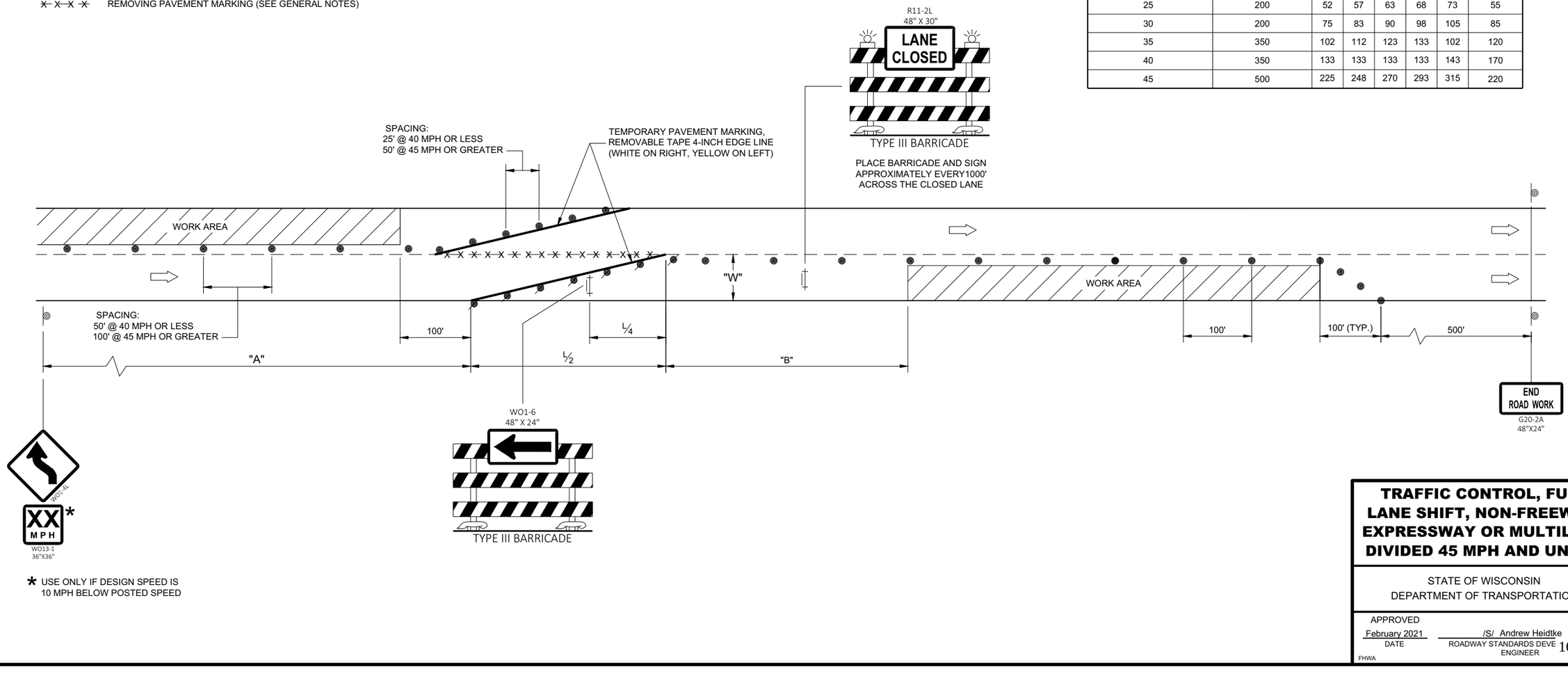
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L 1/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	102	120
40	350	133	133	133	133	143	170
45	500	225	248	270	293	315	220



* USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED

TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE
/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D40 - 02a

6

SDD 15D40 - 02a

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

WORK AREA

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

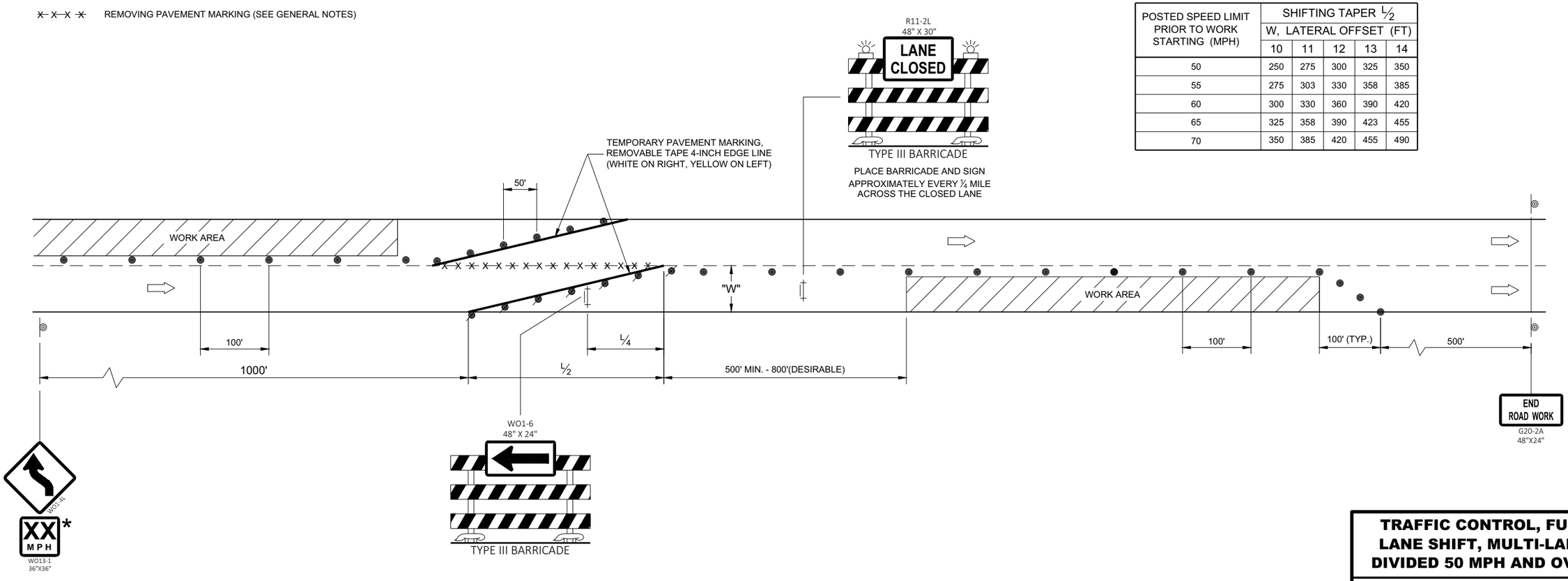
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)				
	10	11	12	13	14
50	250	275	300	325	350
55	275	303	330	358	385
60	300	330	360	390	420
65	325	358	390	423	455
70	350	385	420	455	490



TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND OVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEE

FHWA

SDD 15D40 - 02b

SDD 15D40 - 02b

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVE PAVEMENT MARKING

GENERAL NOTES

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

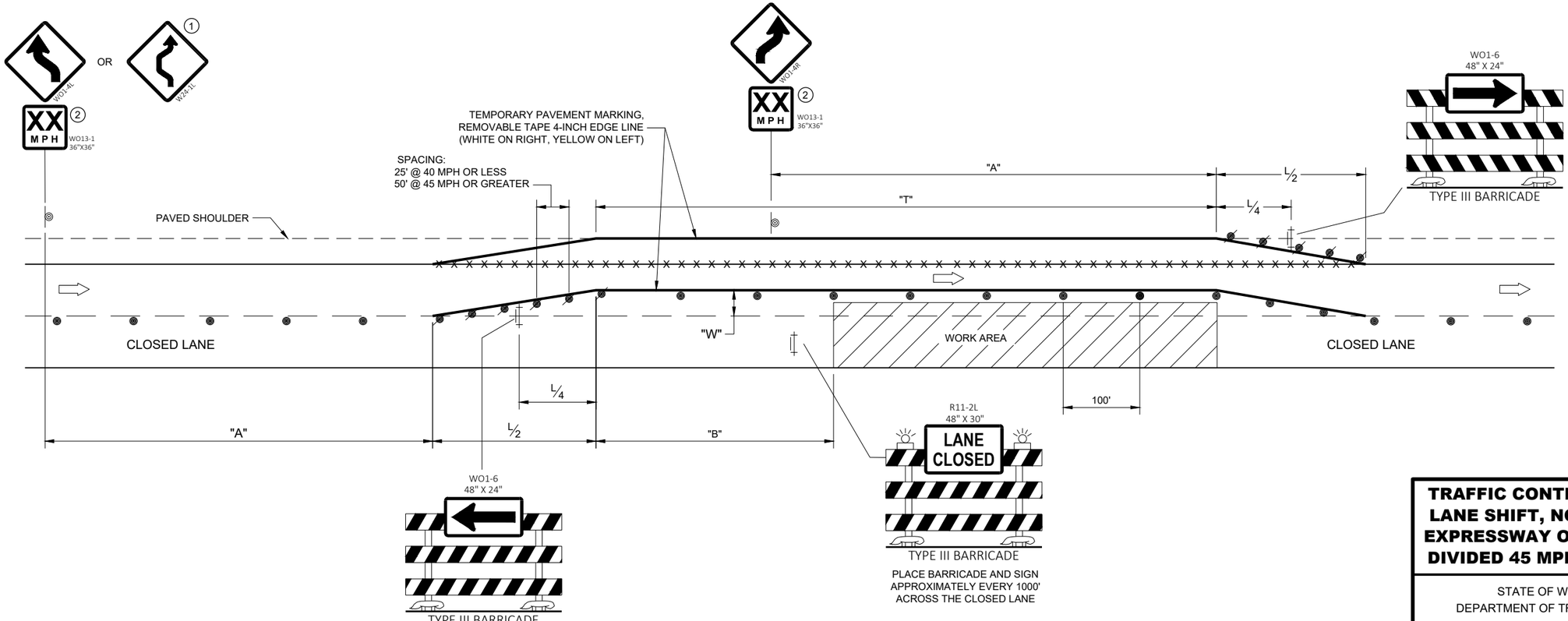
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(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 15D40 - 02c

SDD 15D40 - 02c

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVE PAVEMENT MARKING

GENERAL NOTES

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

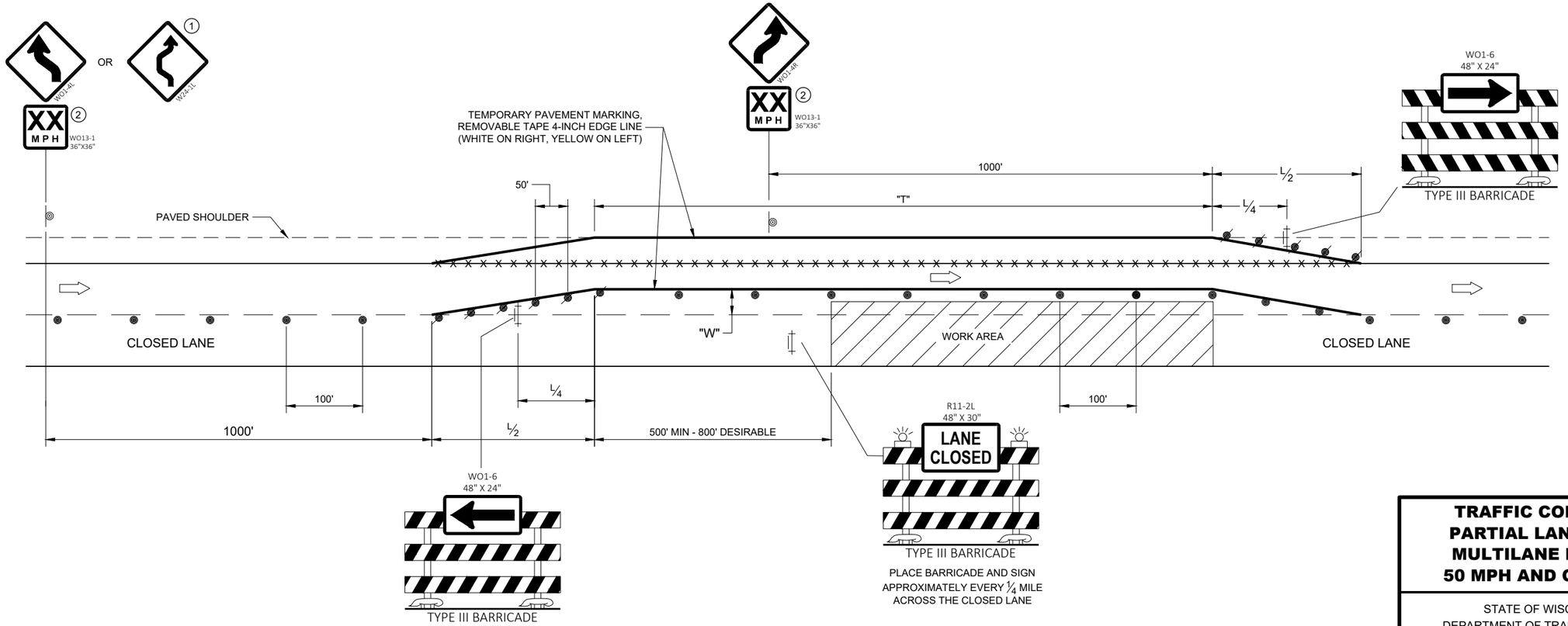
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(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315



TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D40 - 02d

6

SDD 15D40 - 02d

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

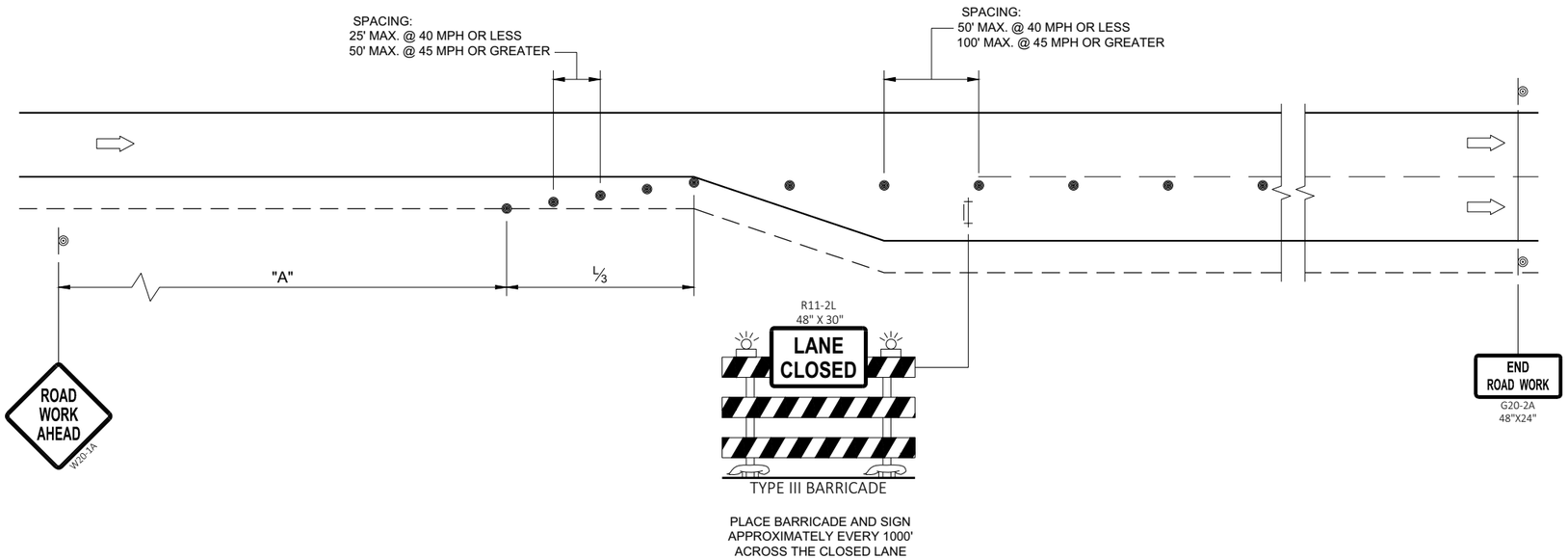
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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.

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 SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 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 WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

ADDED LANE CLOSURE WITHOUT LANE SHIFT

TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

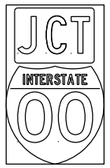
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SDD 15D50 - 01a

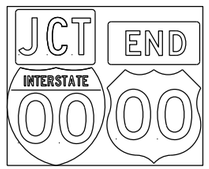
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SDD 15D50 - 01a

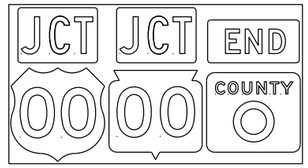
TYPICAL ASSEMBLIES



J1-1



J1-2



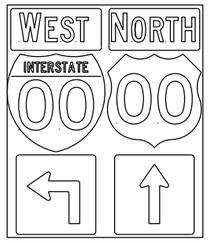
J1-3



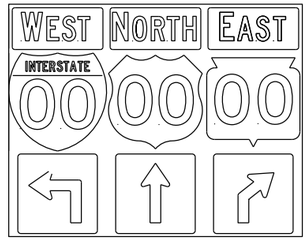
JR1-1



J2-1



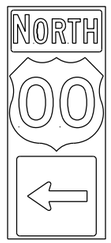
J2-2



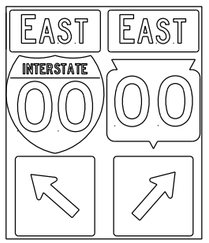
J2-3



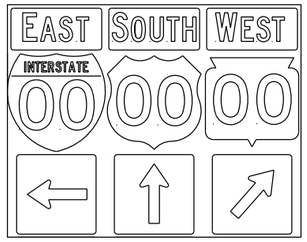
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



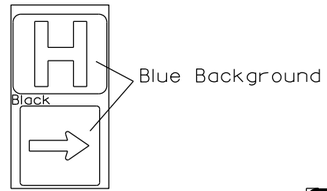
J3-1



J3-2



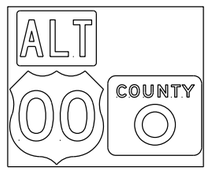
J3-3



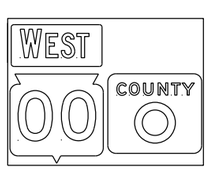
JH-1



J4-1



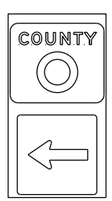
J4-2



J4-2



J12-1



J13-1



J32-1



J33-1



J22-1



J23-1



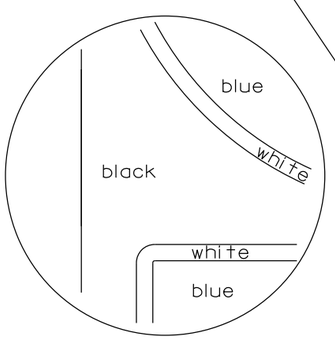
JR13-1

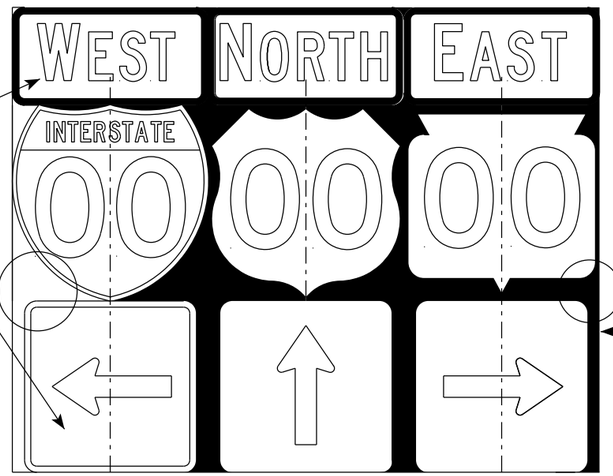


JR23-1



JR99-1





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

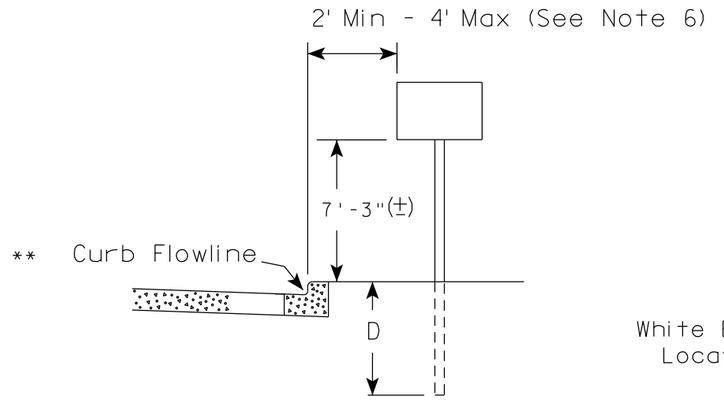
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

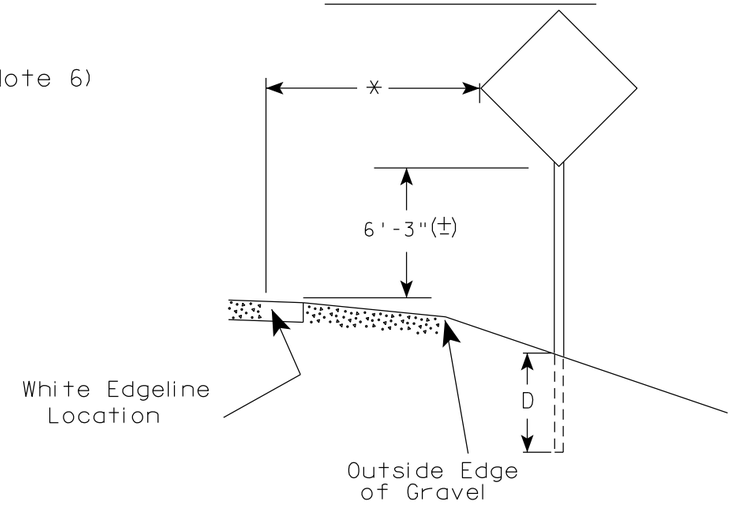
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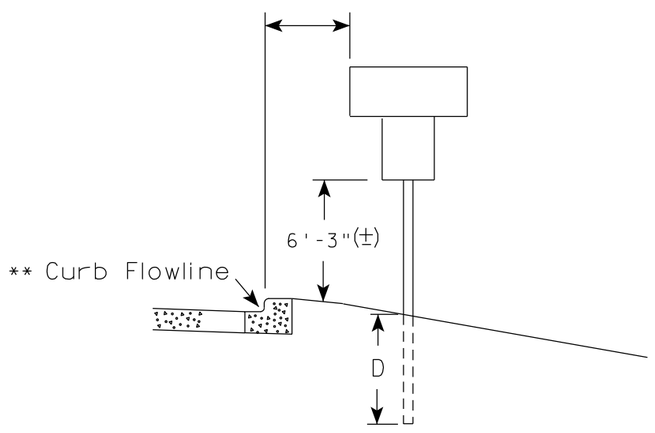
SHEET NO: 166 E

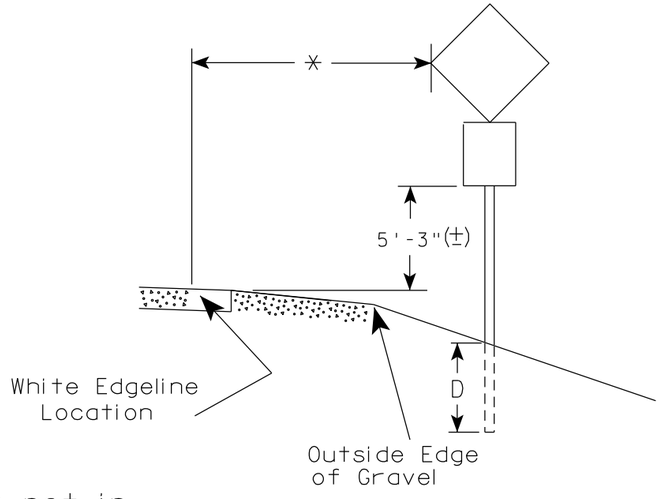
URBAN AREA



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.

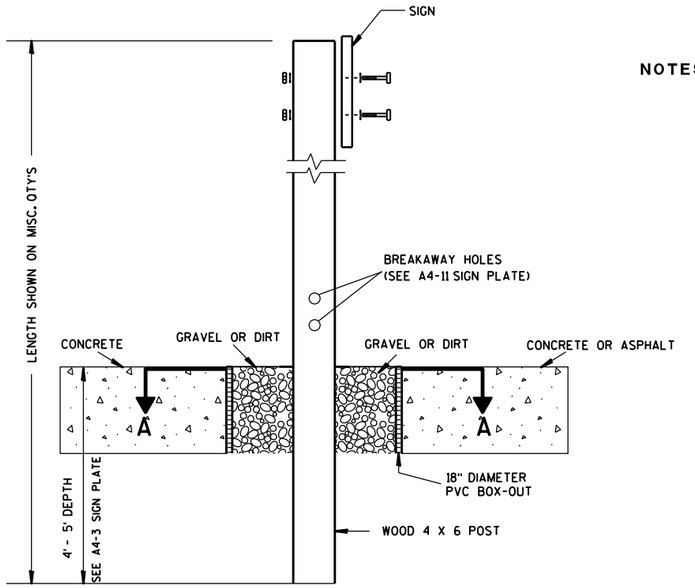
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

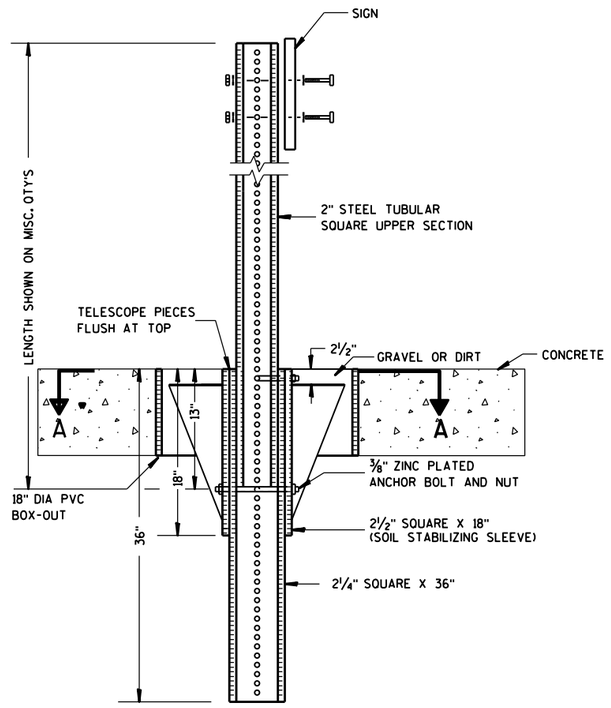
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 167	E



ELEVATION VIEW

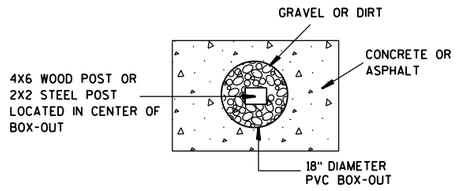
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

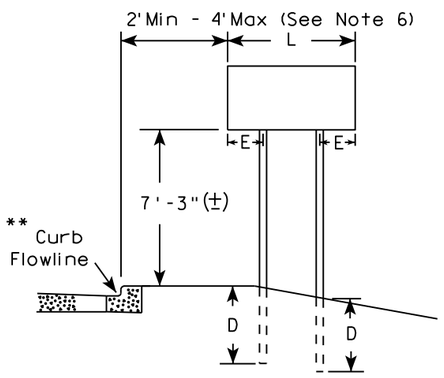
APPROVED Matthew R Rauch
for State Traffic Engineer

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

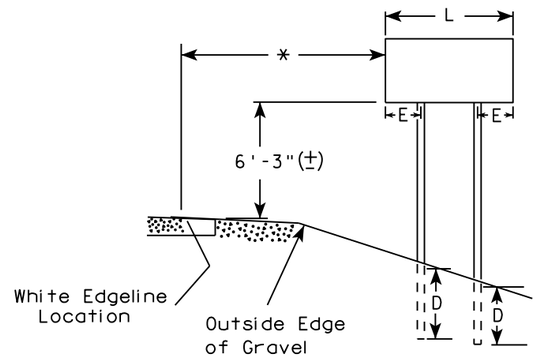
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

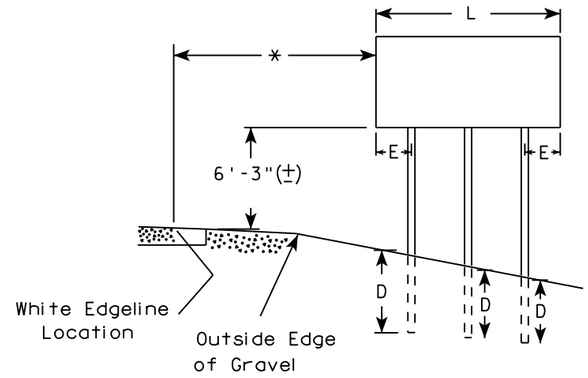
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

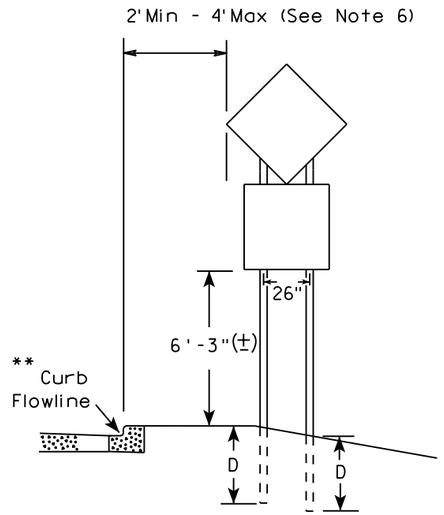
URBAN AREA



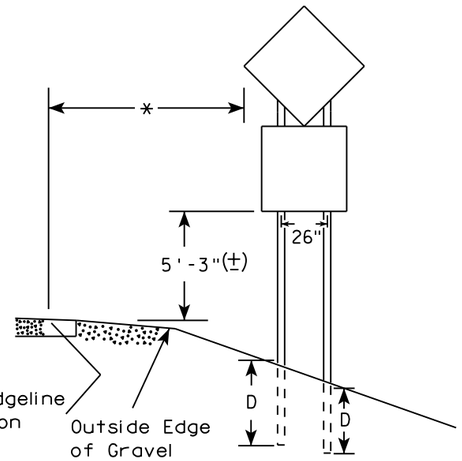
RURAL AREA (See Note 3)







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'

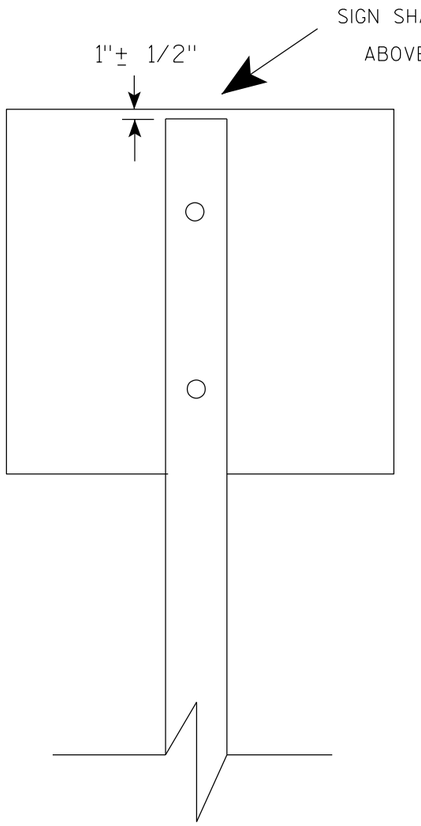
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

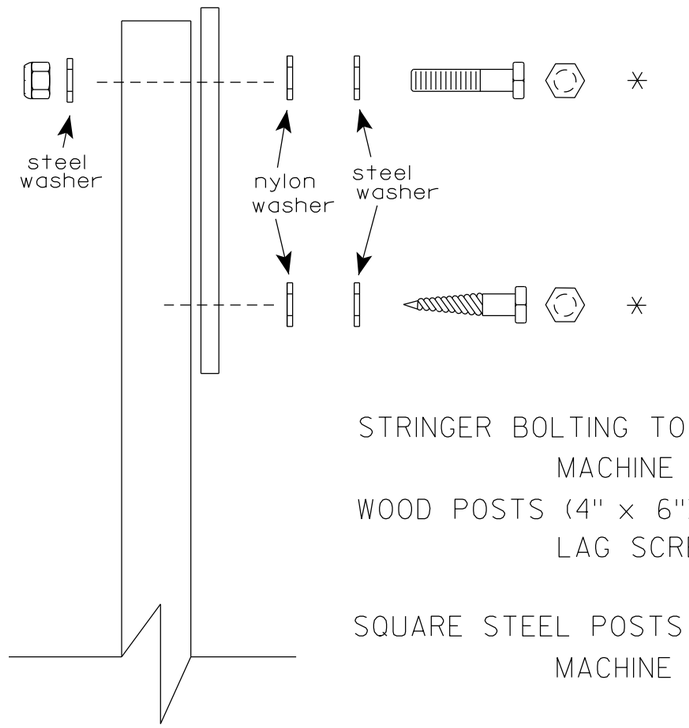
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 169	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

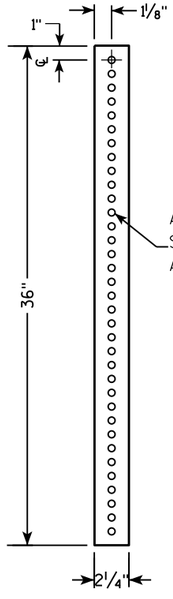
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

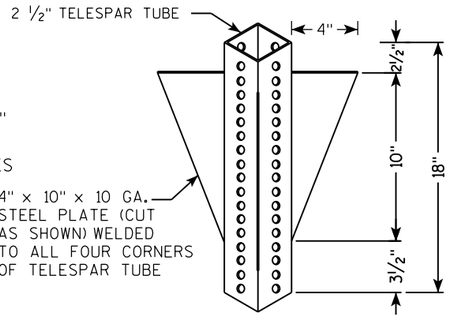
SHEET NO: 170 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

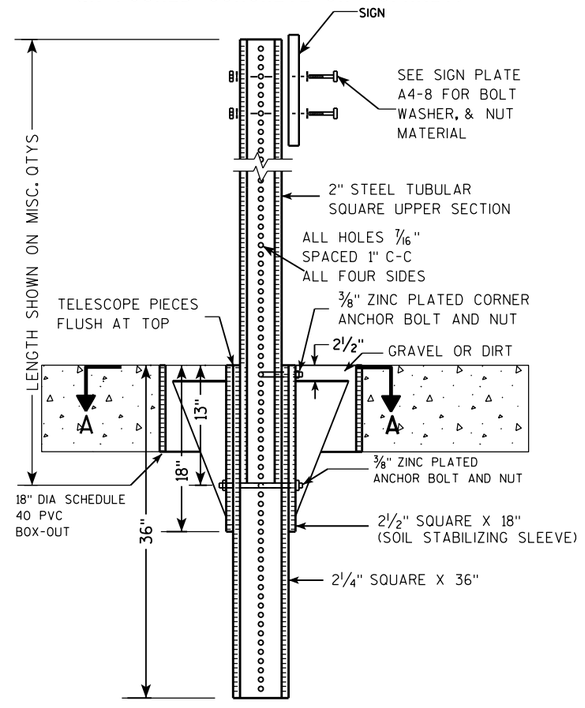
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



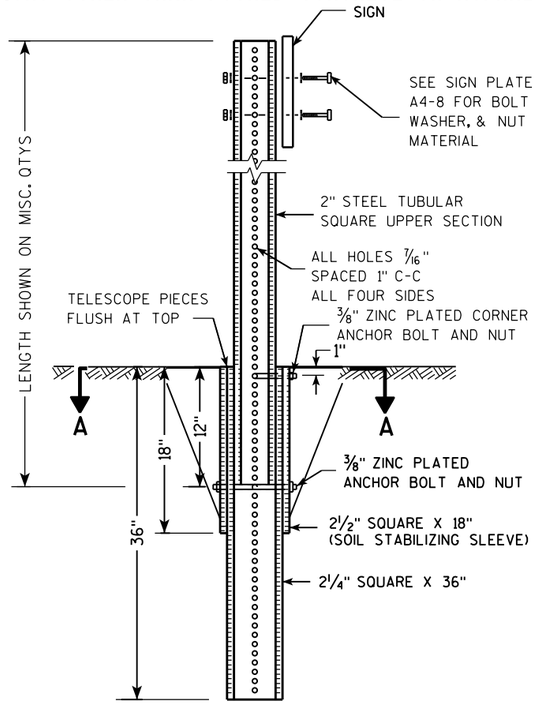
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

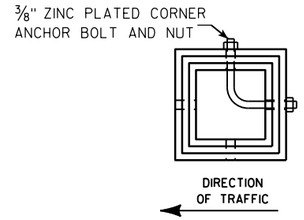


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

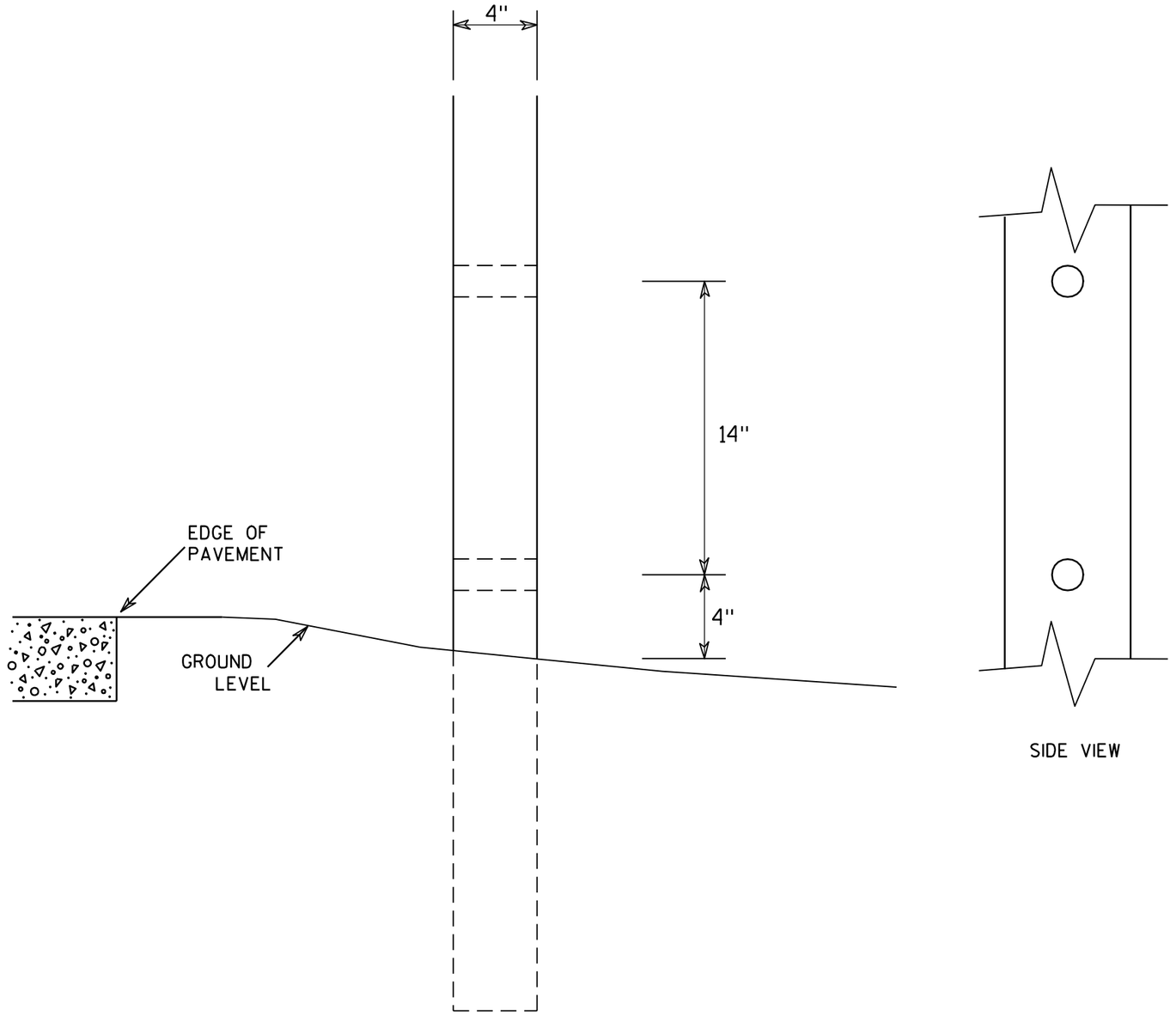
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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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

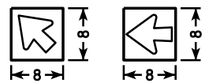
APPROVED Chester J Spang
for State Traffic Engineer

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

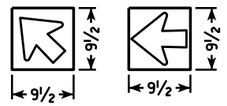
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 172	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES

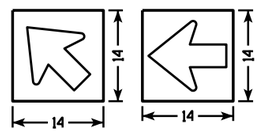




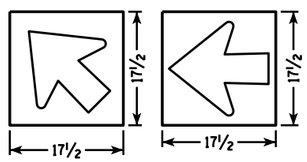










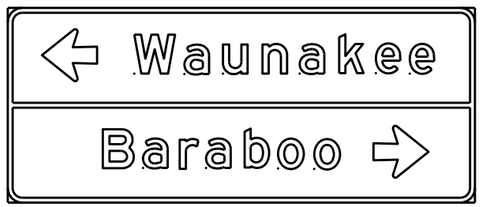


GENERAL NOTES

1. Materials shall conform to Standard Specification Section 637.
   Base - Sheet Aluminum 0.040" Thickness
   Sheeting - Orange Type F Reflective
   Arrow - Black Non-Reflective
2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws. There shall be a minmum of 2 fasteners used per arrow sign.
3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
4. Arrows are per standard plate A1-2
5. Use separate arrow sign for each destination
6. Tilt arrow is always at 45 degrees
7. Arrow is centered on arrow sign

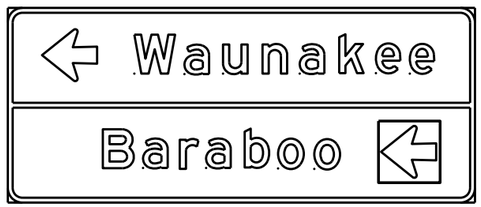
Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

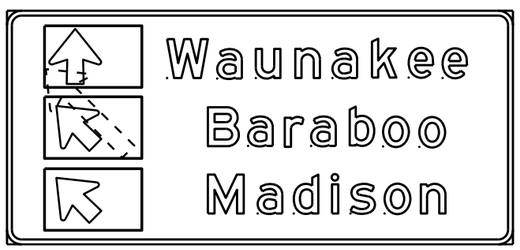
BEFORE





AFTER





DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

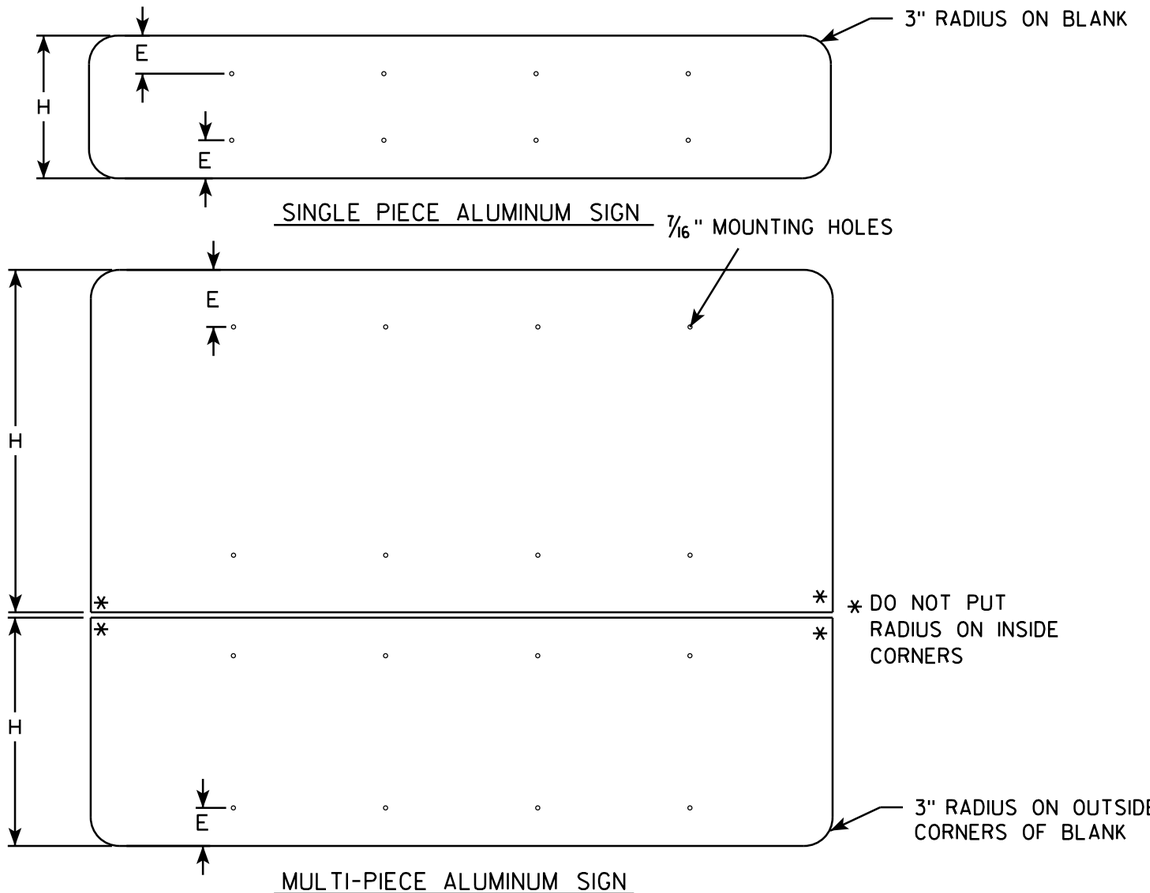
A4-12.2

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A412.DGN PLOT DATE : 08-OCT-2014 11:50 PLOT BY : mscsja

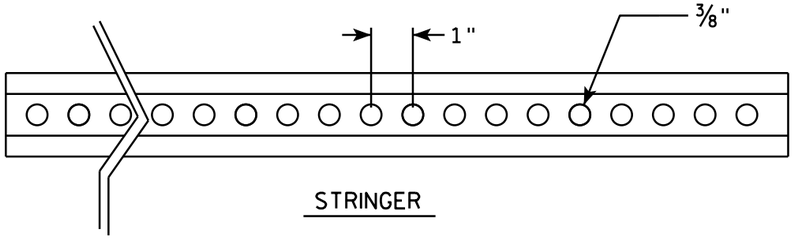
WISDOT/CADDS SHEET 42



GENERAL NOTES

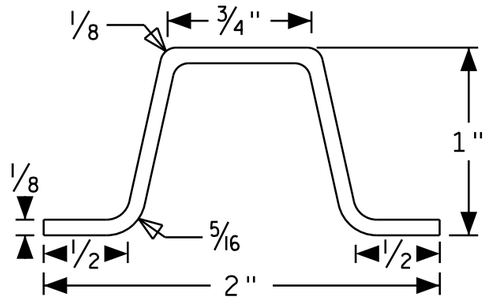
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

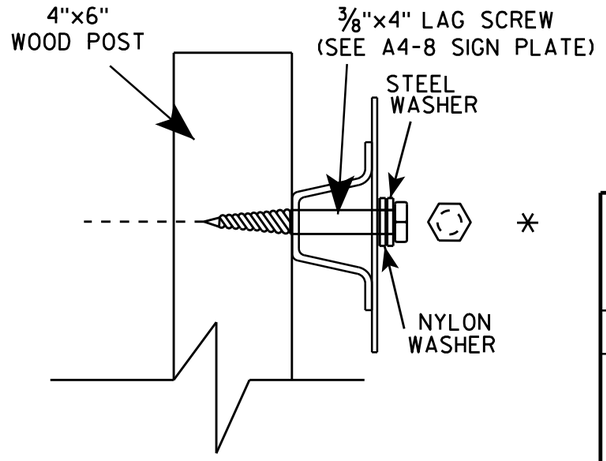


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

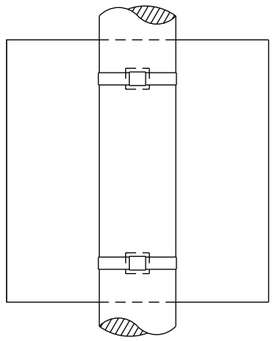
DATE 4/26/16 PLATE NO A4-18.1

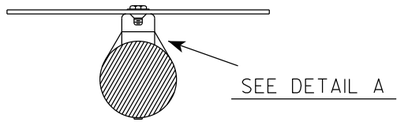
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

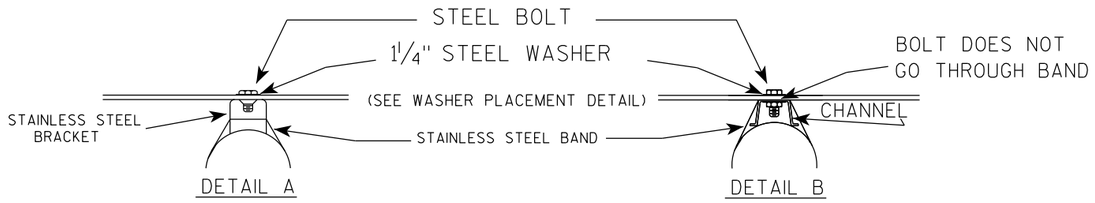
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

SINGLE SIGN



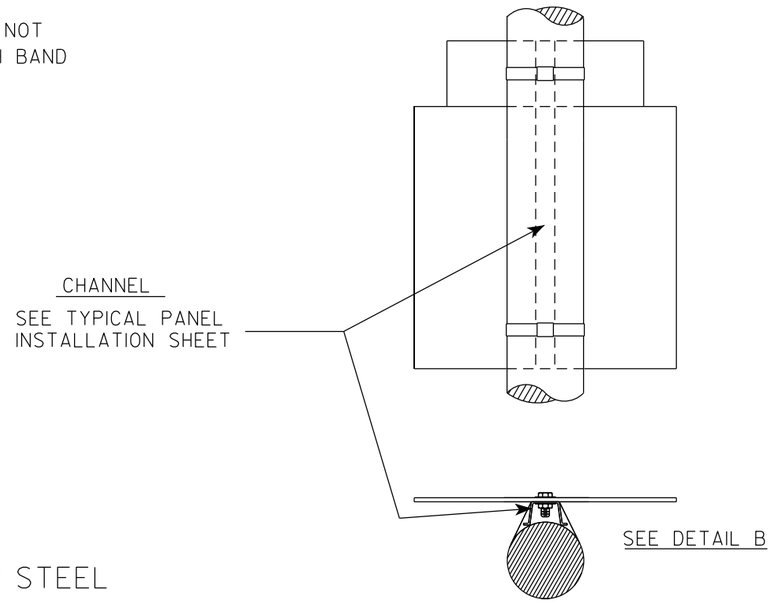




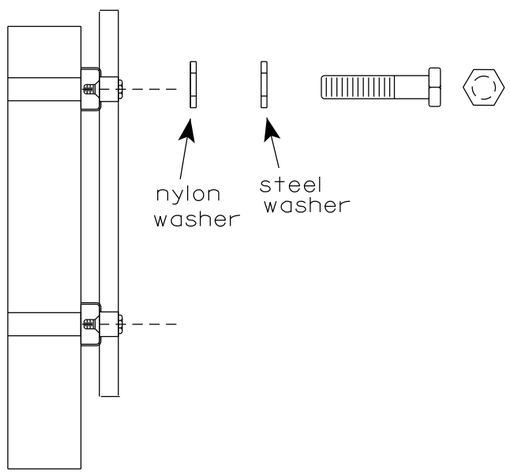
GENERAL NOTES

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

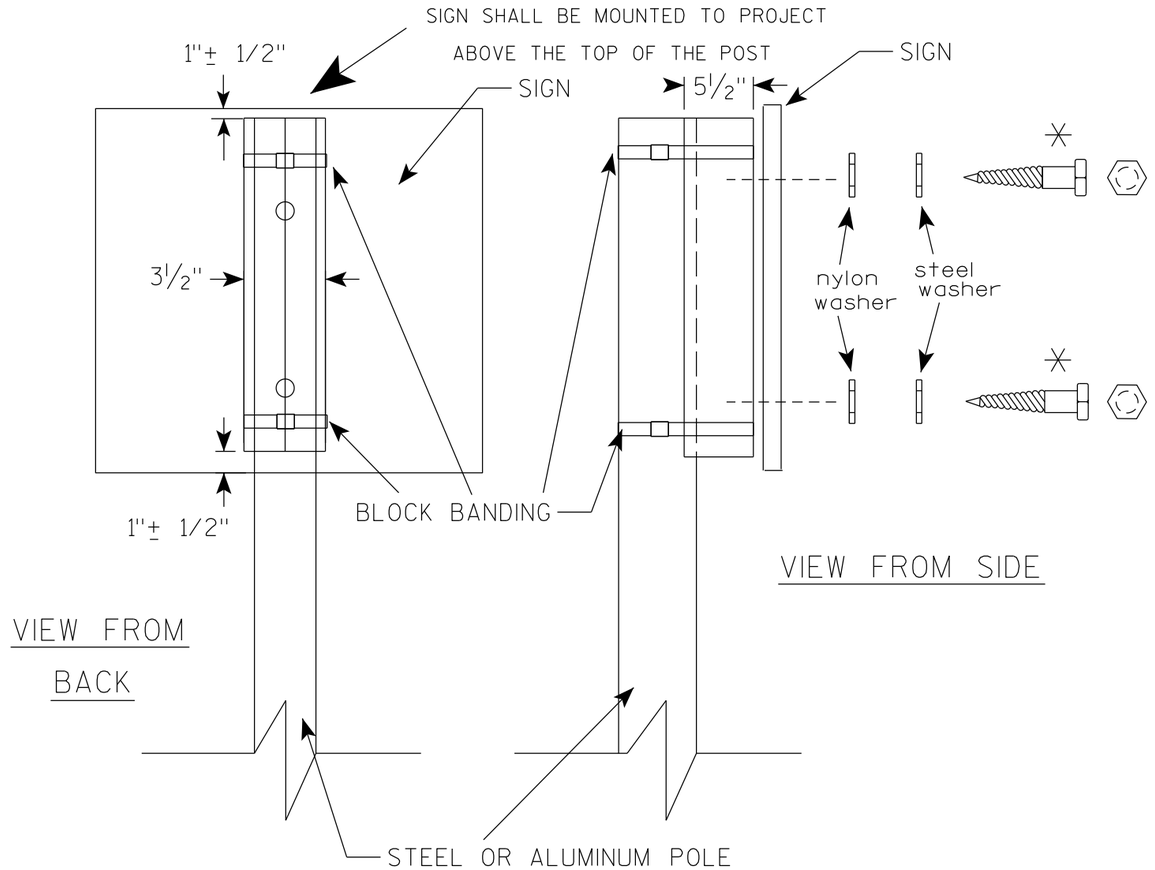
STANDARD SIGN
SIGN BANDING DETAILS

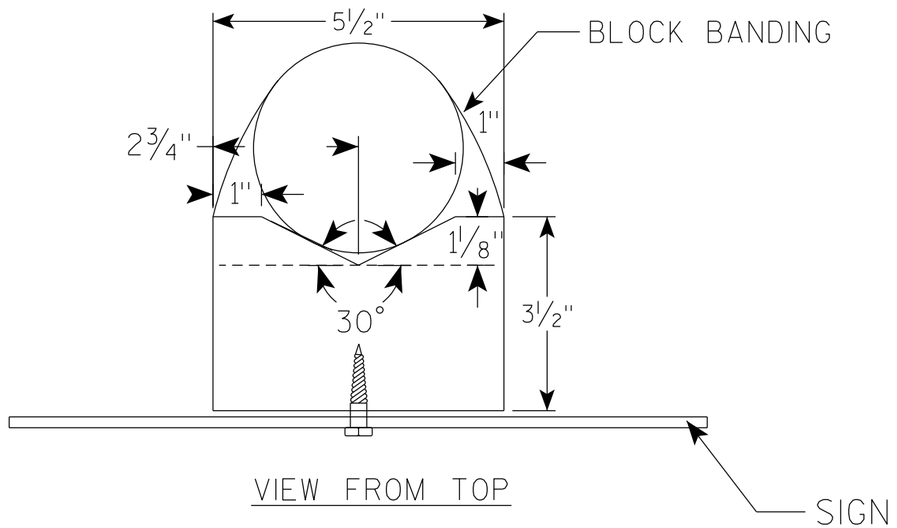
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 175	E





GENERAL NOTES

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

✳ LAG BOLTS SHALL BE ⅜" X 2½"

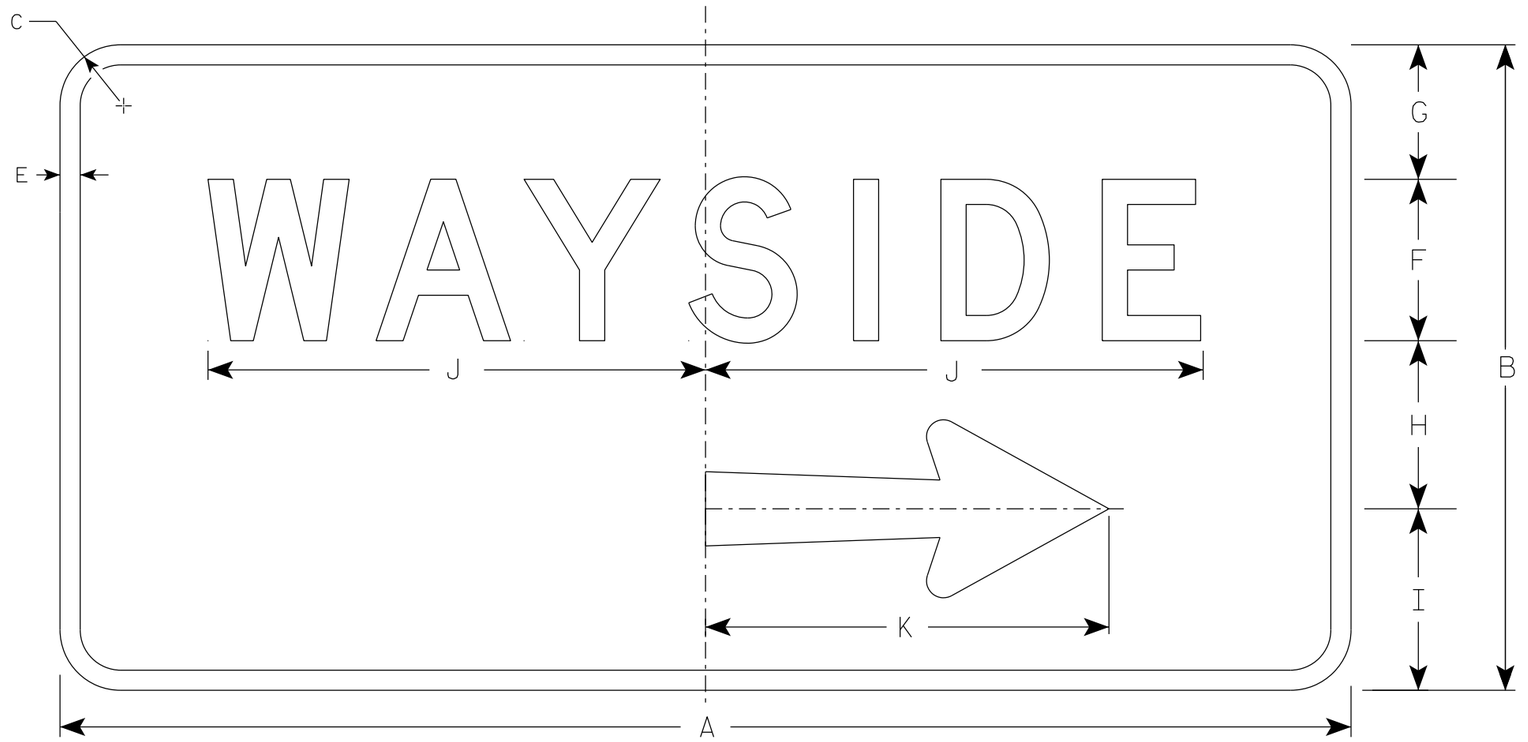
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

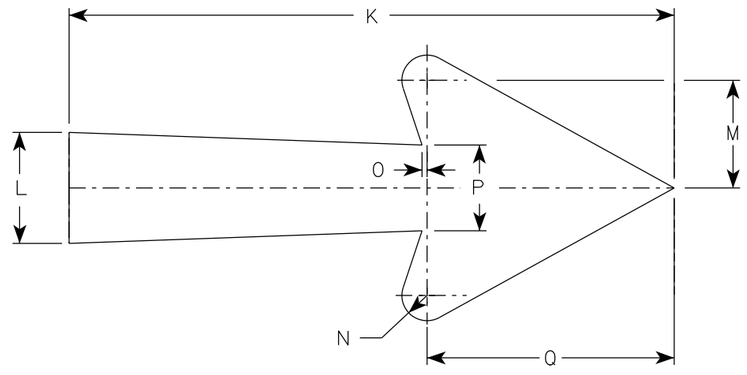
PROJECT NO: | SHEET NO: 176 | E



D5-62R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
3. Message Series - D
4. D5-62L is the same as D5-62R except that the arrow is rotated 180° about the vertical center line.



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	24	2 1/4		3/4	6	4	6 1/4	6 3/4	18 1/2	15	2 3/4	3 1/8	5/8	1/8	2 1/8	6 1/8										8.0
2M	48	24	2 1/4		3/4	6	4	6 1/4	6 3/4	18 1/2	15	2 3/4	3 1/8	5/8	1/8	2 1/8	6 1/8										8.0
3																											
4	78	42	3		1	10	8 3/4	11	12 1/4	30 1/8	26 1/4	4 3/4	4 5/8	1 1/8	1/4	3 3/4	10 3/4										22.75
5																											

STANDARD SIGN
D5-62

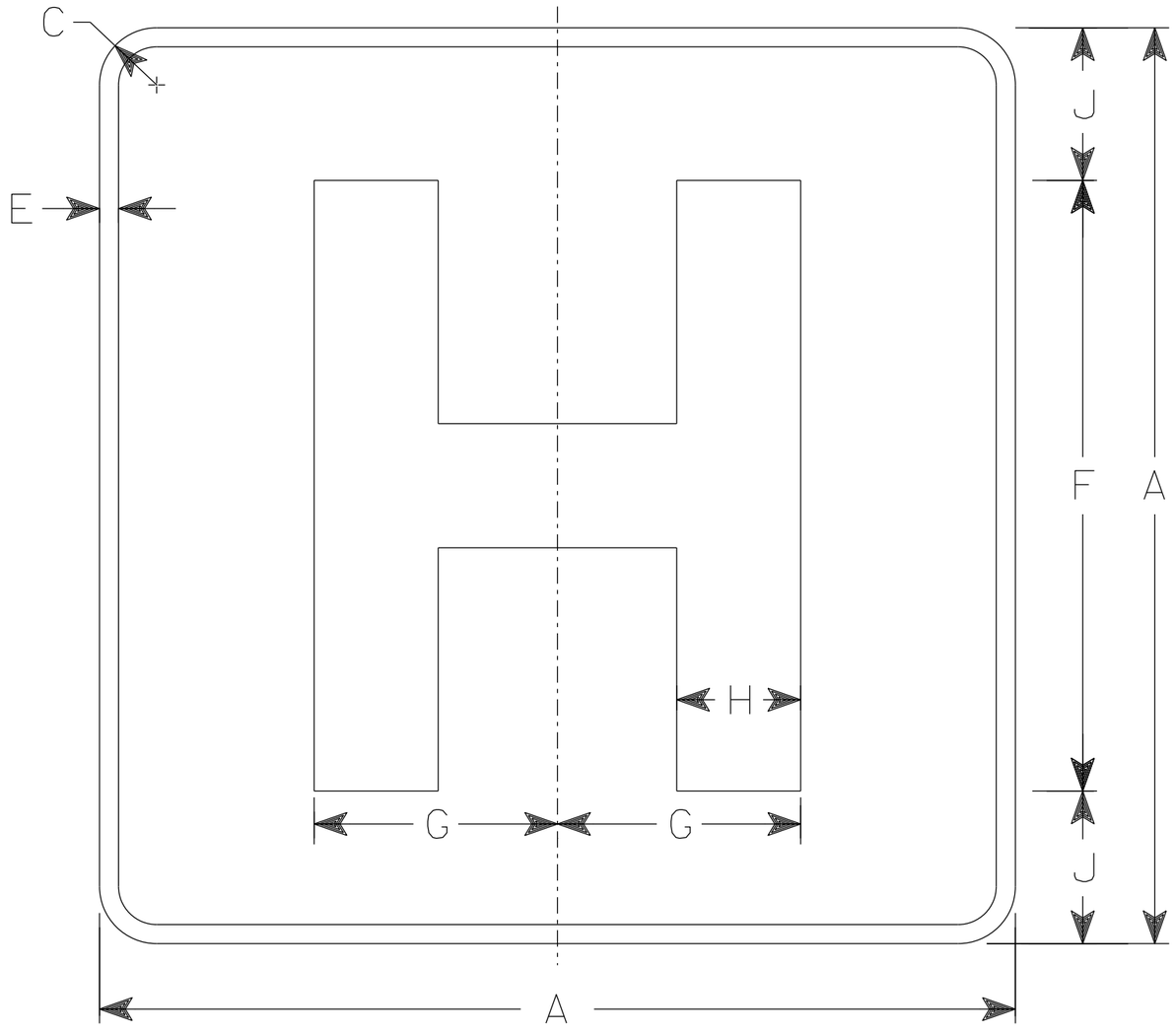
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/21 PLATE NO. D5-62.11

PROJECT NO:

SHEET NO: 177 E



D9-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
3. Message Series - E Modified
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	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	2.25
2S	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
2M	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

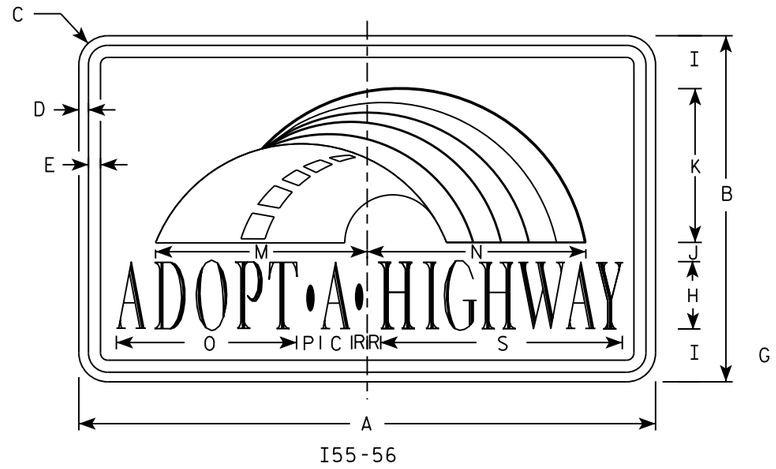
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

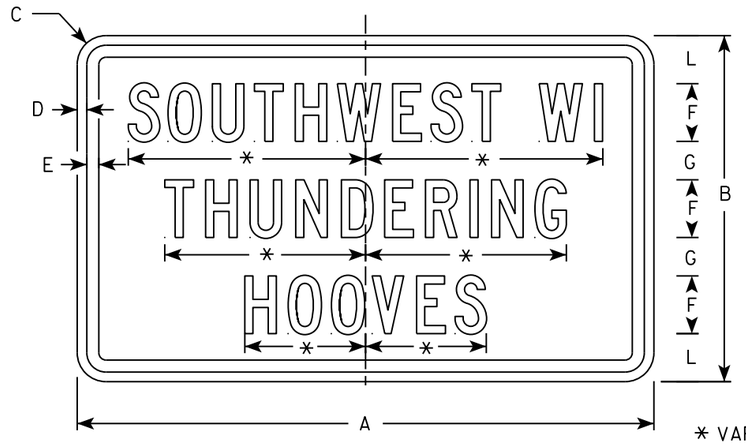
DATE 1/28/21 PLATE NO. D9-2.5

PROJECT NO:

SHEET NO: 178 E



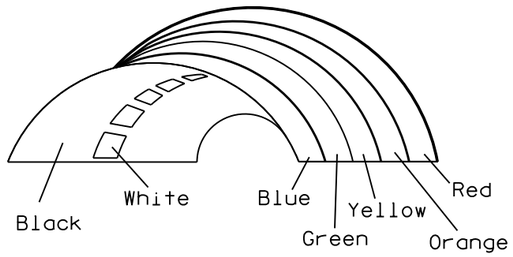
I55-56



I55-56P

* VARIES

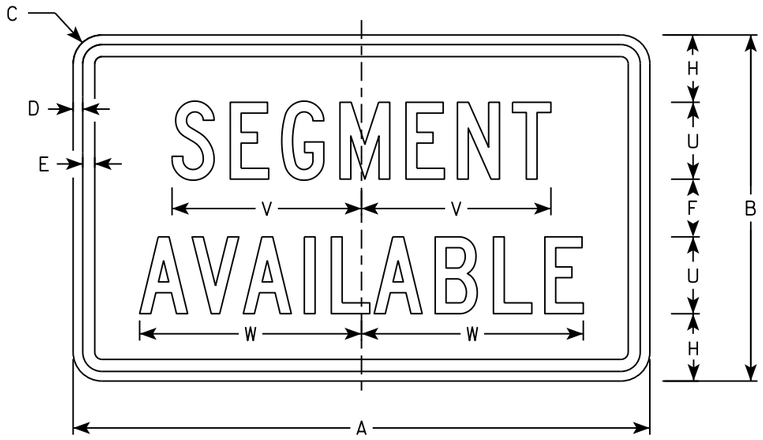
Background Colors of Symbol*



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

NOTES

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



I55-56S

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

STANDARD SIGN
I55-56

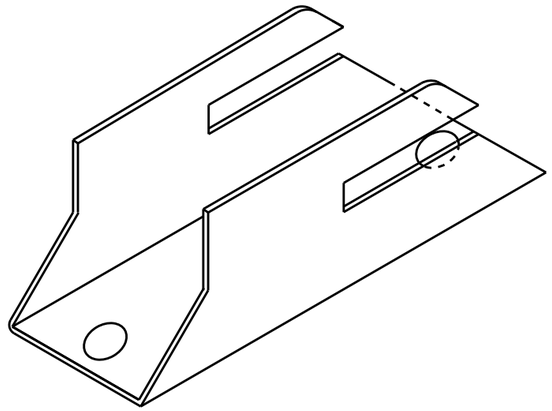
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

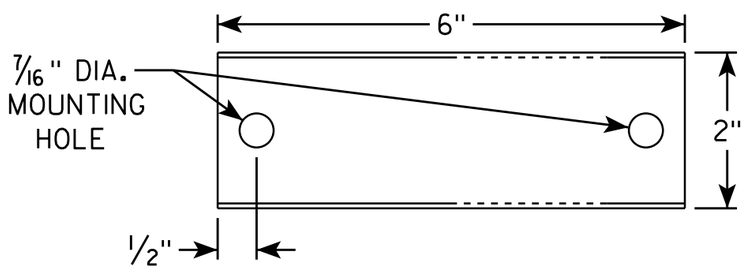
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 179 | E

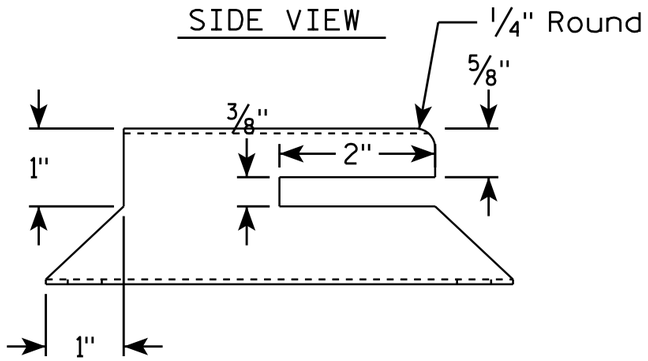
ISOMETRIC VIEW



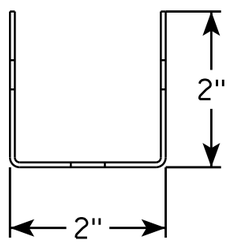
TOP VIEW



SIDE VIEW



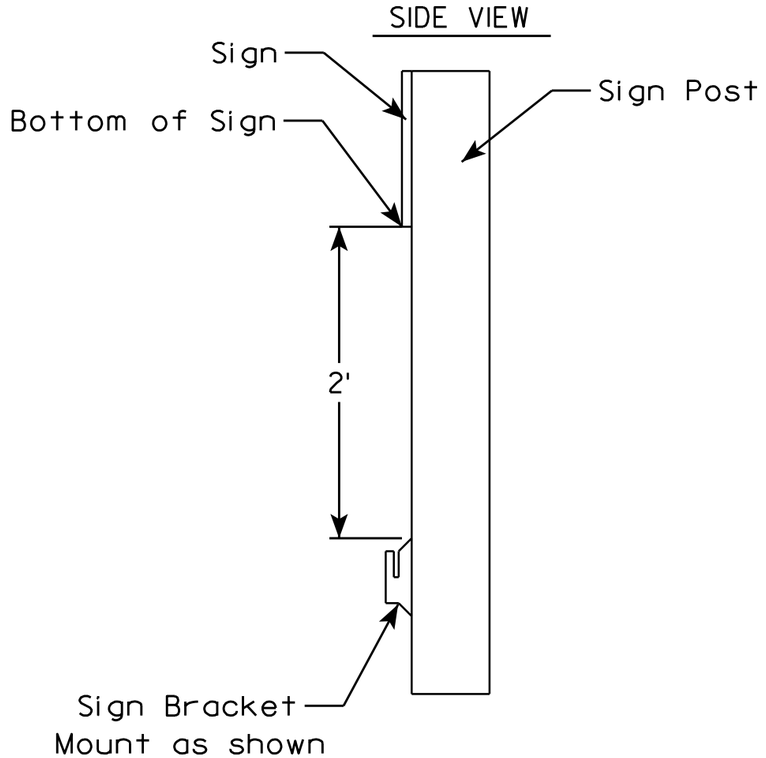
END VIEW



NOTES

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

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

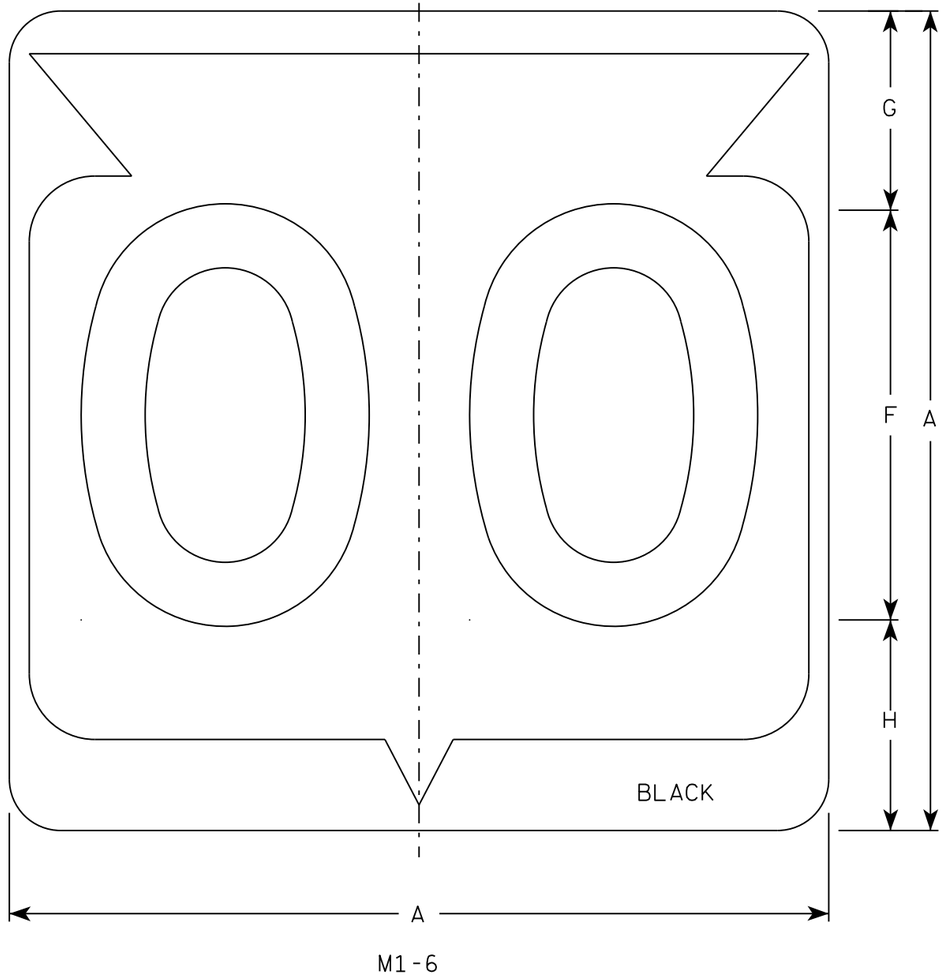
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/16 PLATE I55-56B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

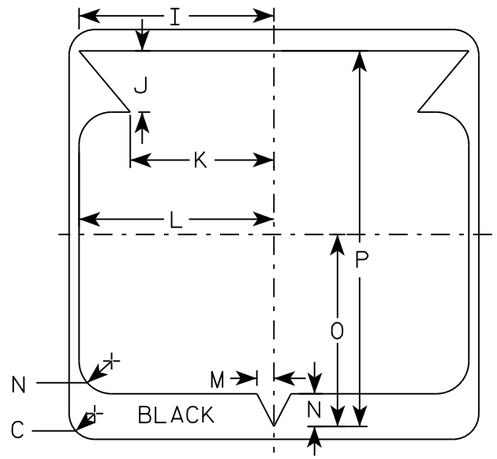
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000
WISDOT/CADDS SHEET 42



M1-6

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

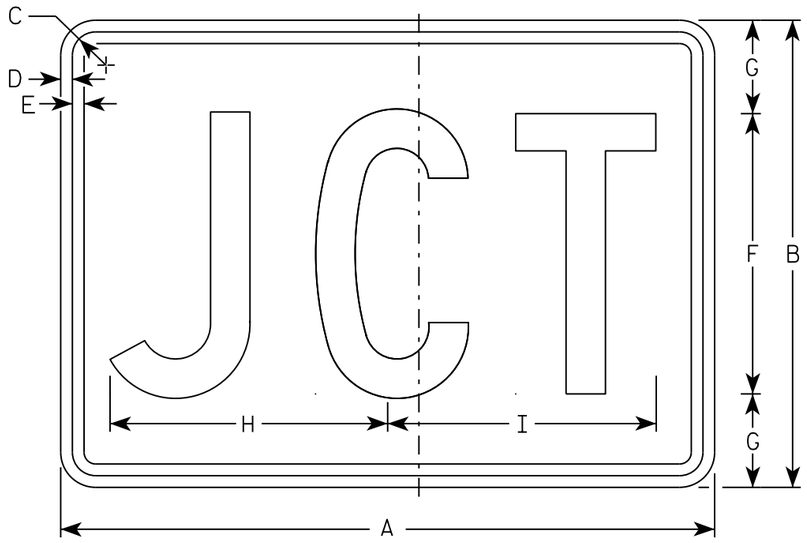
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

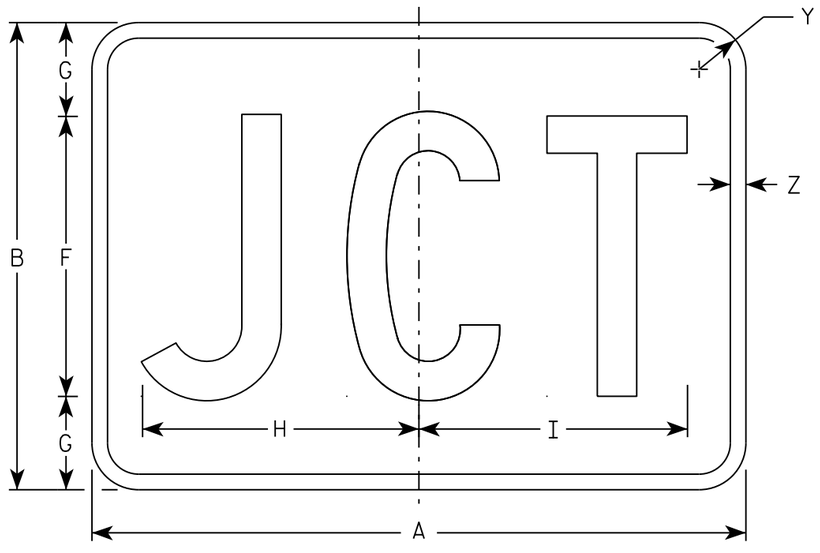
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 181 | 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

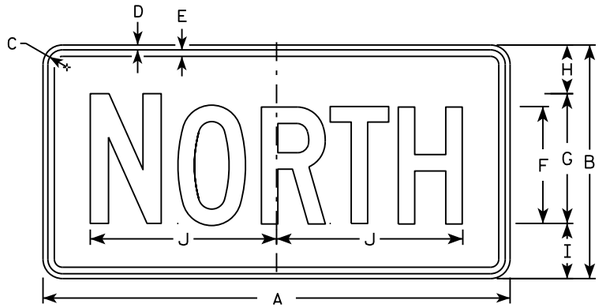
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

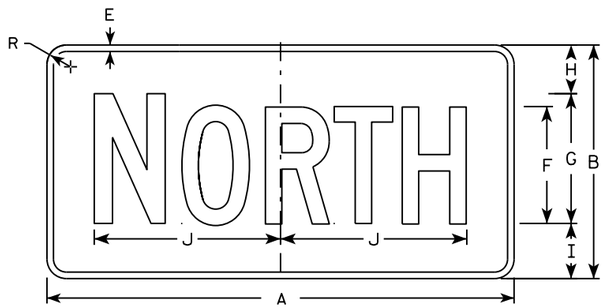
DATE 10/15/15 PLATE 182 12-1.12

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



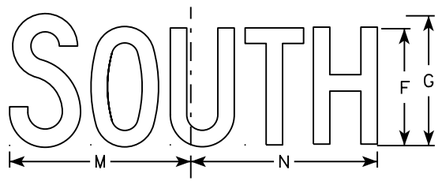
MB3-1
MK3-1
MN3-1



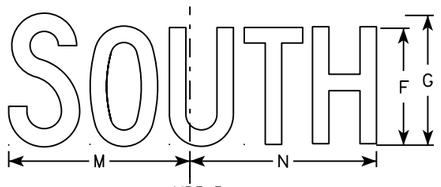
M3-2
MM3-2
MP3-2



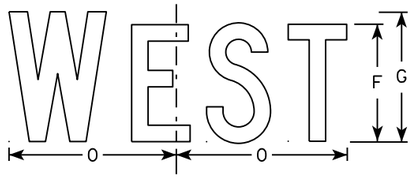
MB3-2
MK3-2
MN3-2



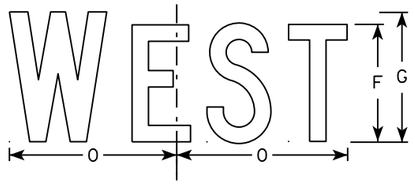
M3-3
MM3-3
MP3-3



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

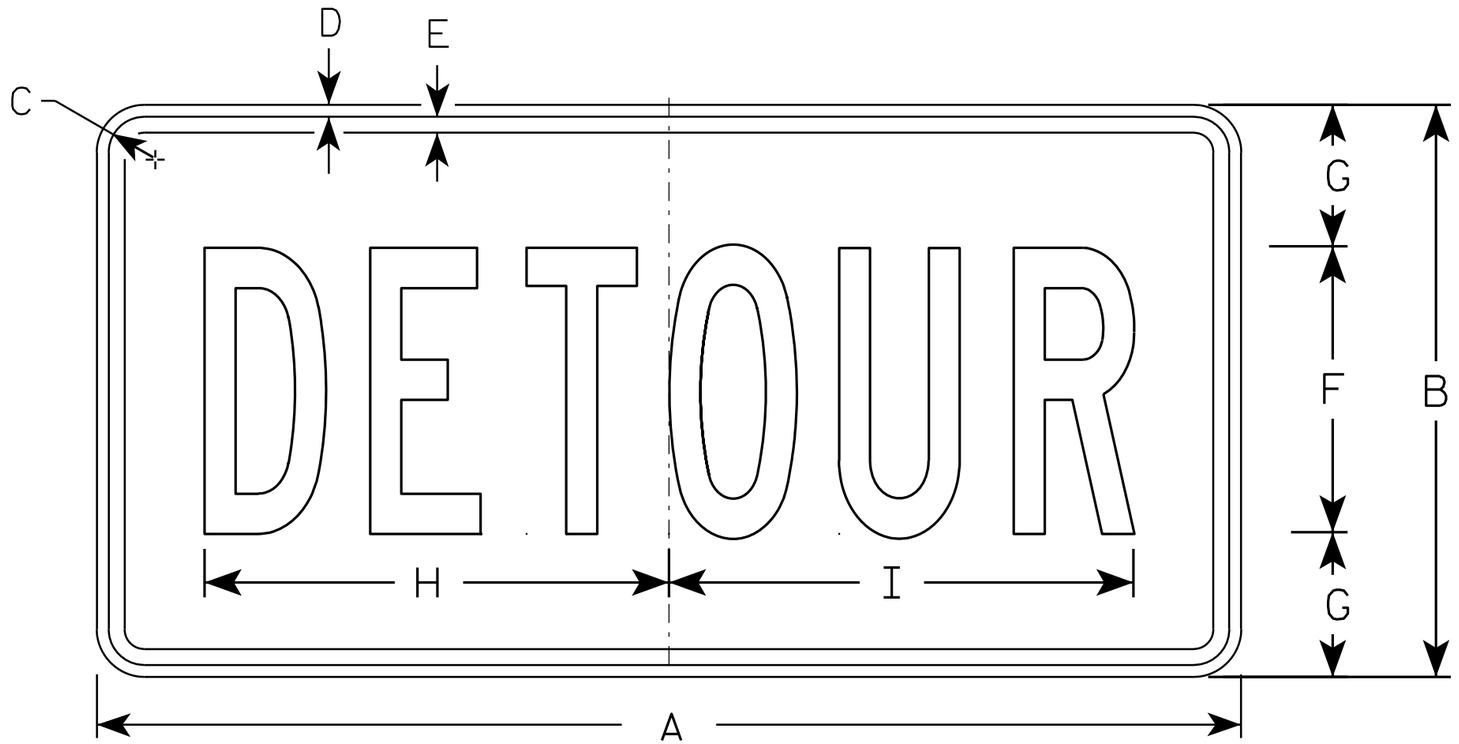
WISCONSIN DEPT OF TRANSPORTATION

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



M4-8

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 - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

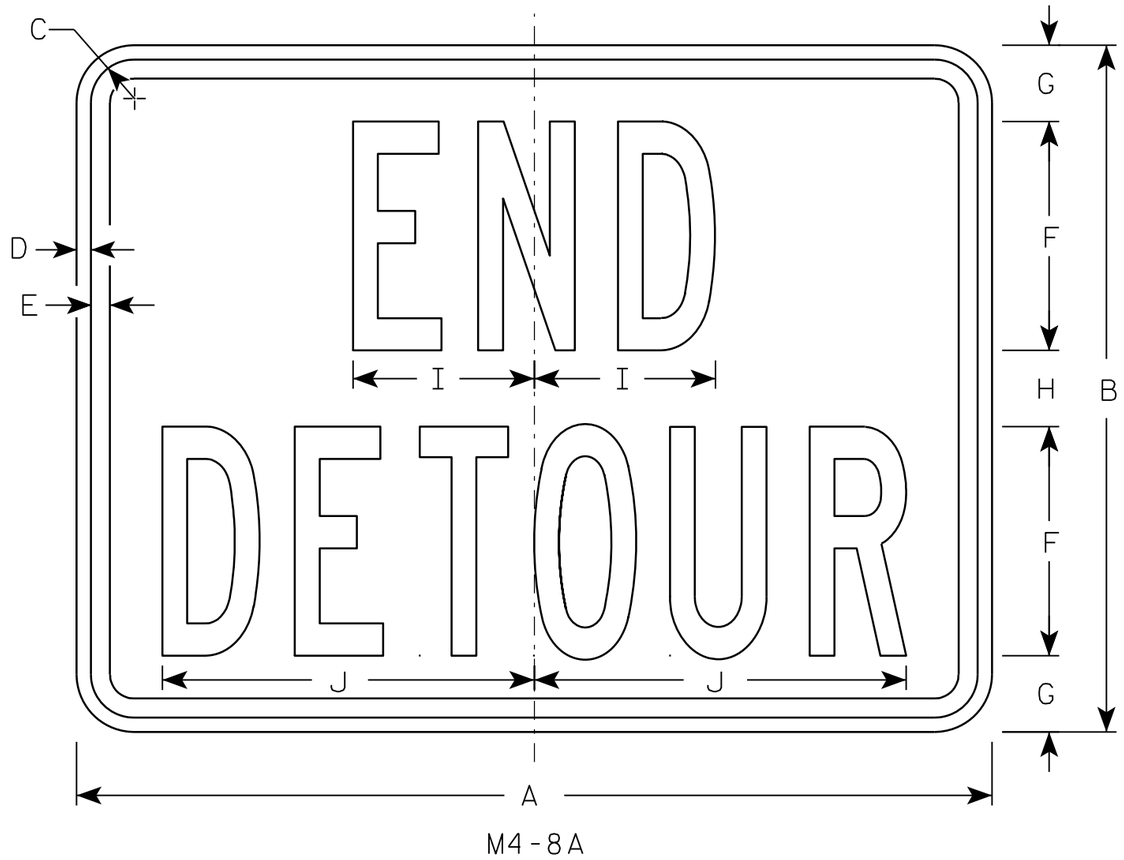
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 184	E



M4-8A

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 - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

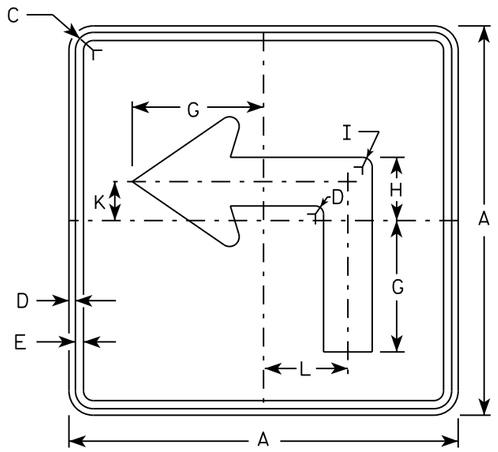
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

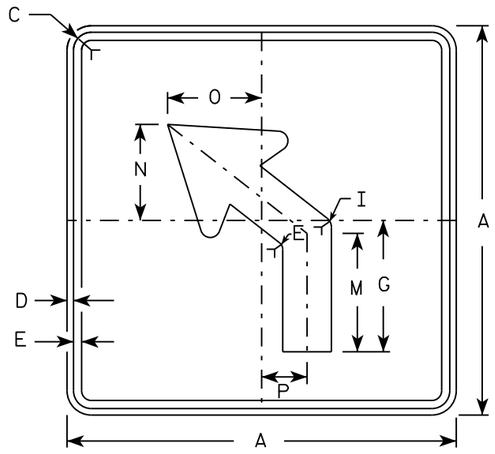
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

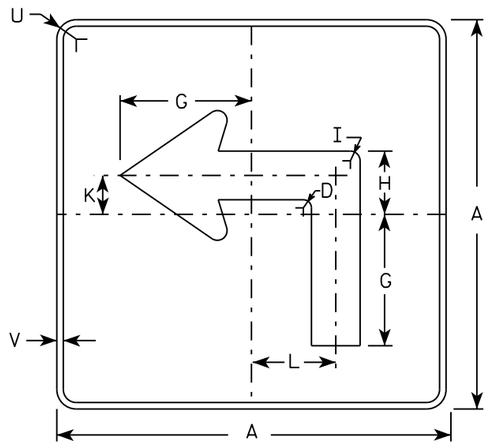
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 185	E



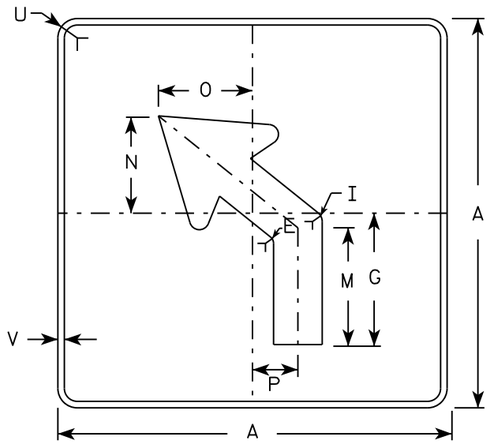
M5-1L
MM5-1L
MO5-1L
MP5-1L



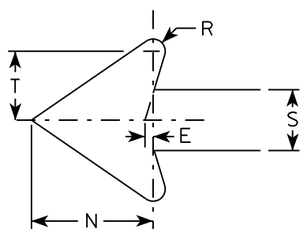
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

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	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

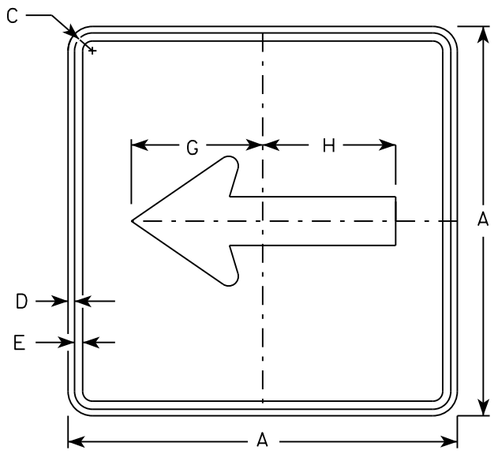
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

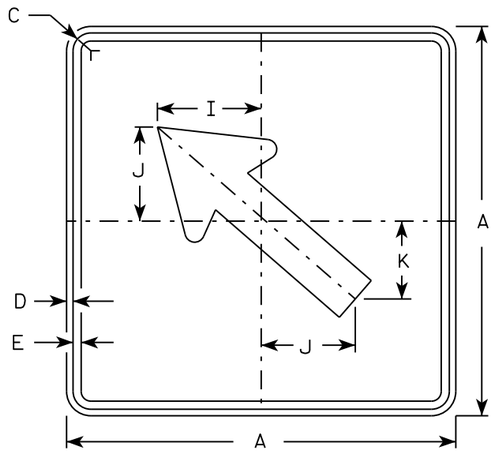
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



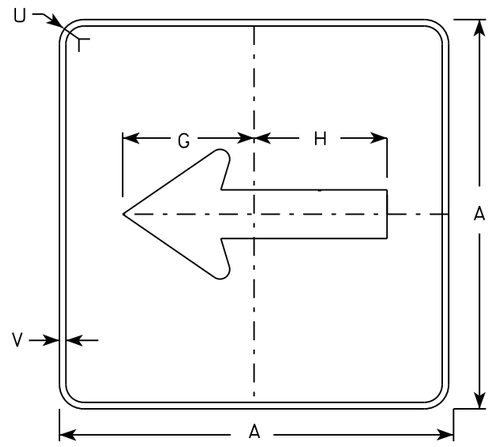
M6-1
MM6-1
MO6-1
MP6-1



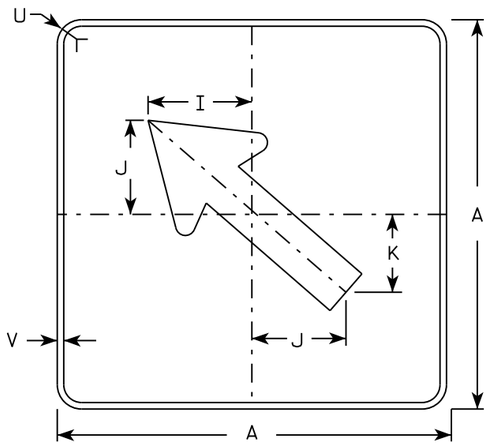
M6-2
MM6-2
MO6-2
MP6-2

NOTES

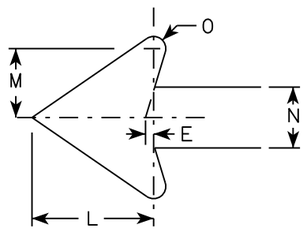
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

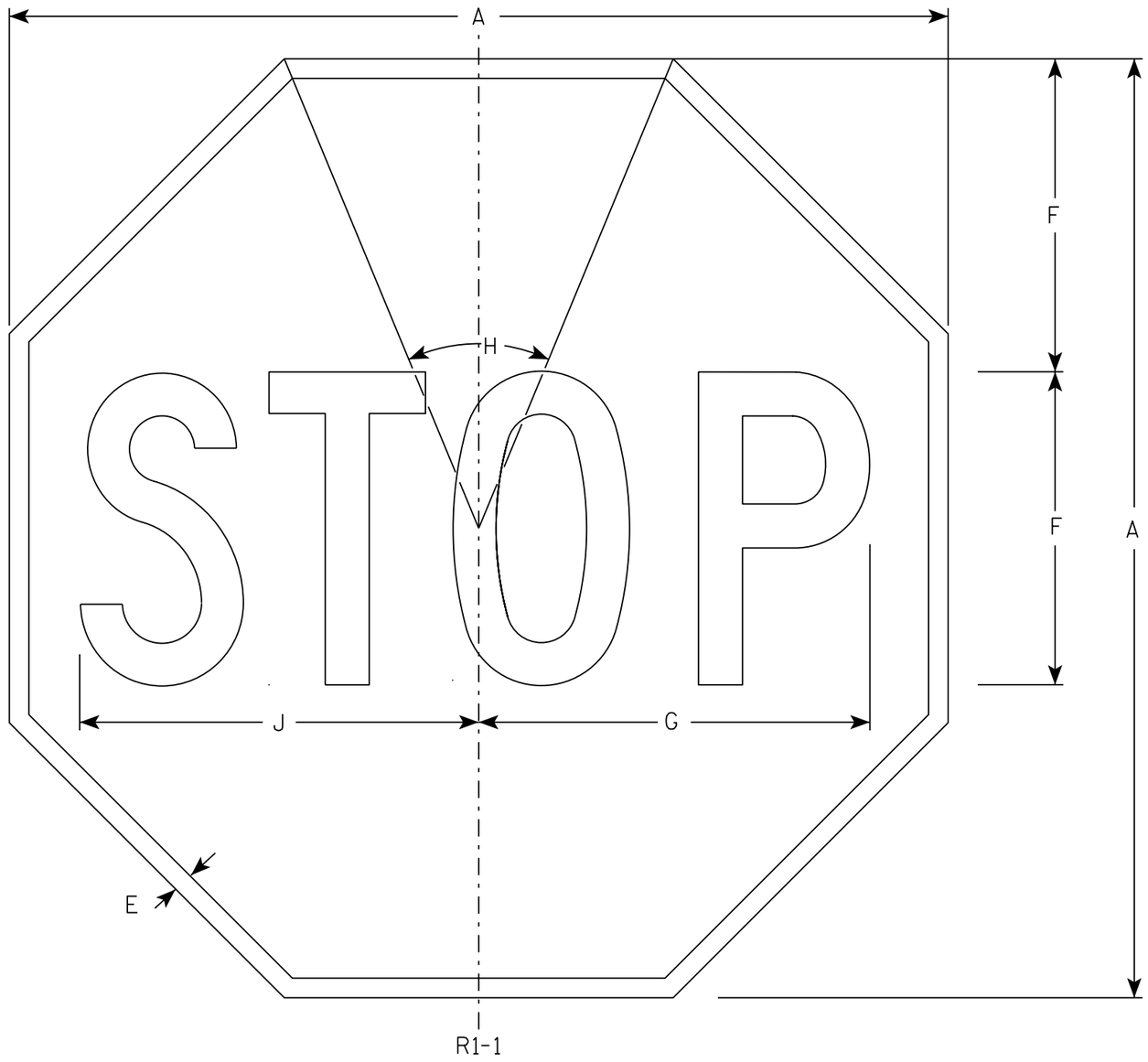
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 187 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



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

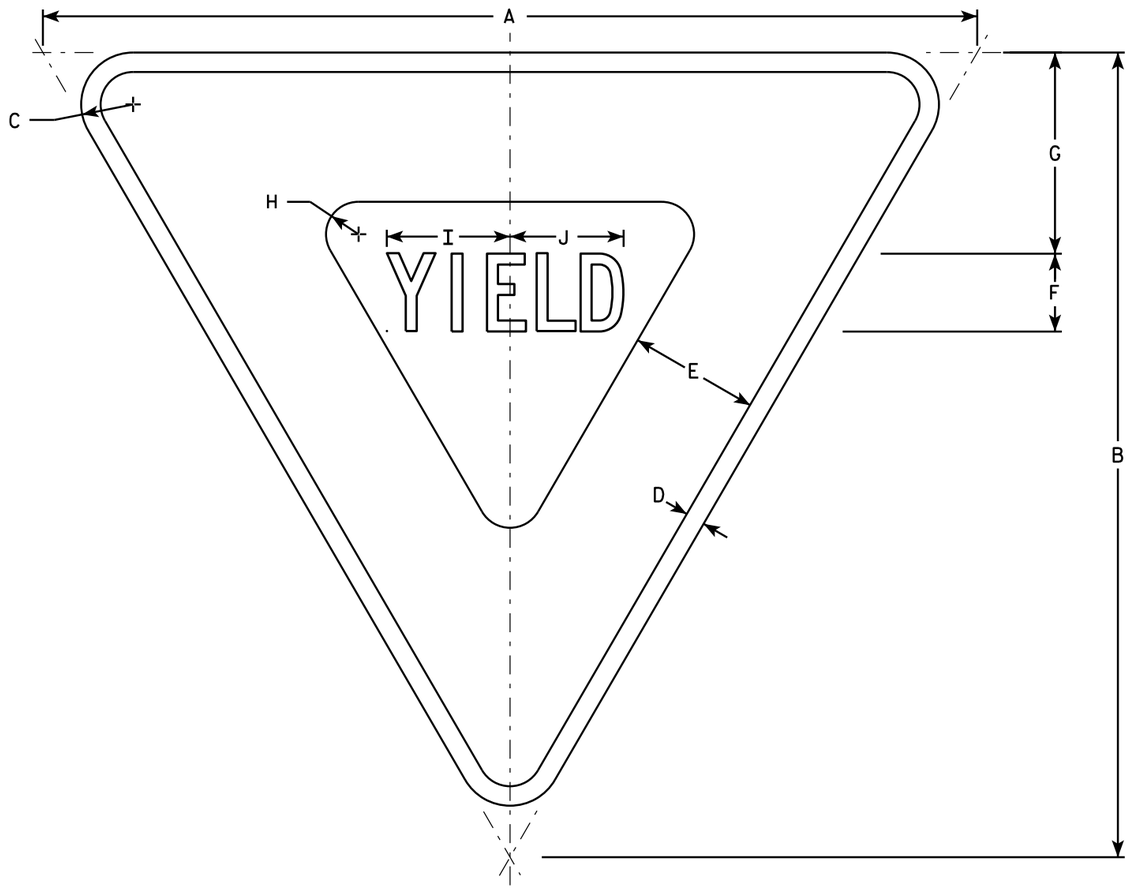
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 188	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE P1-2.12

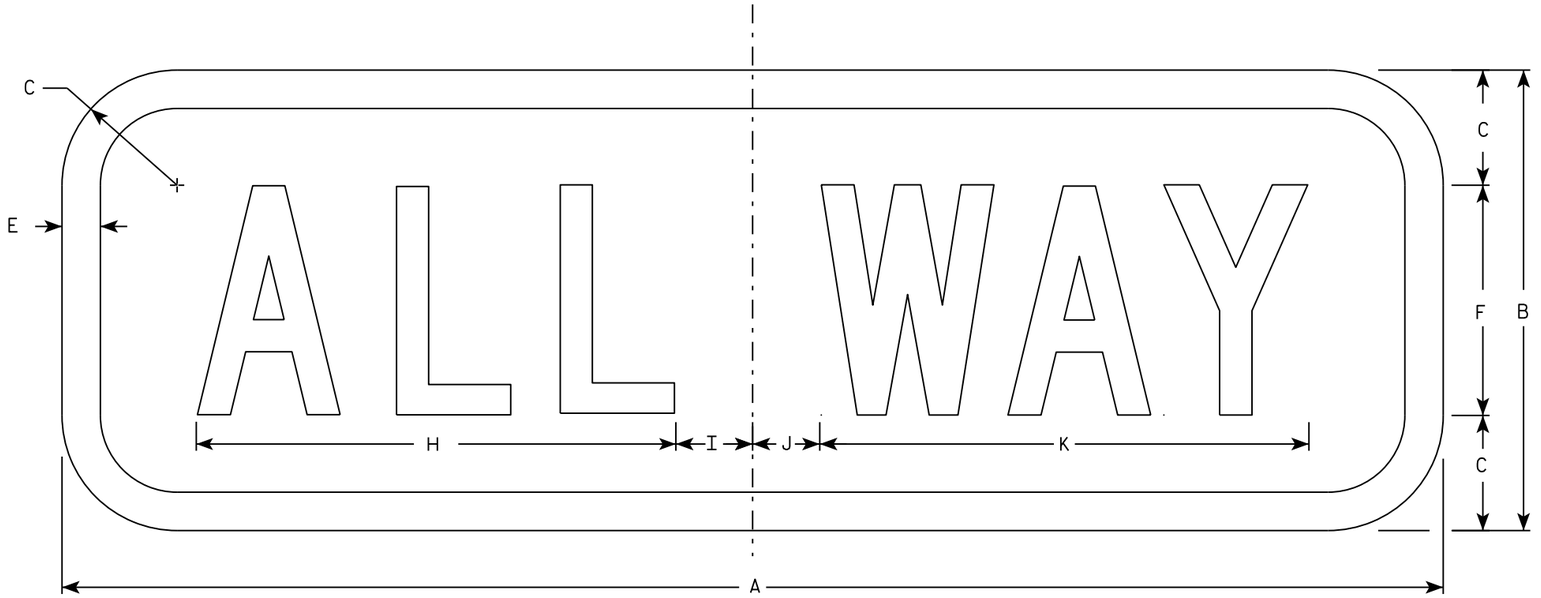
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000

WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign



R1-3P

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	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																0.75
2S	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																1.5
2M	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
3	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
4	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5
5	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5

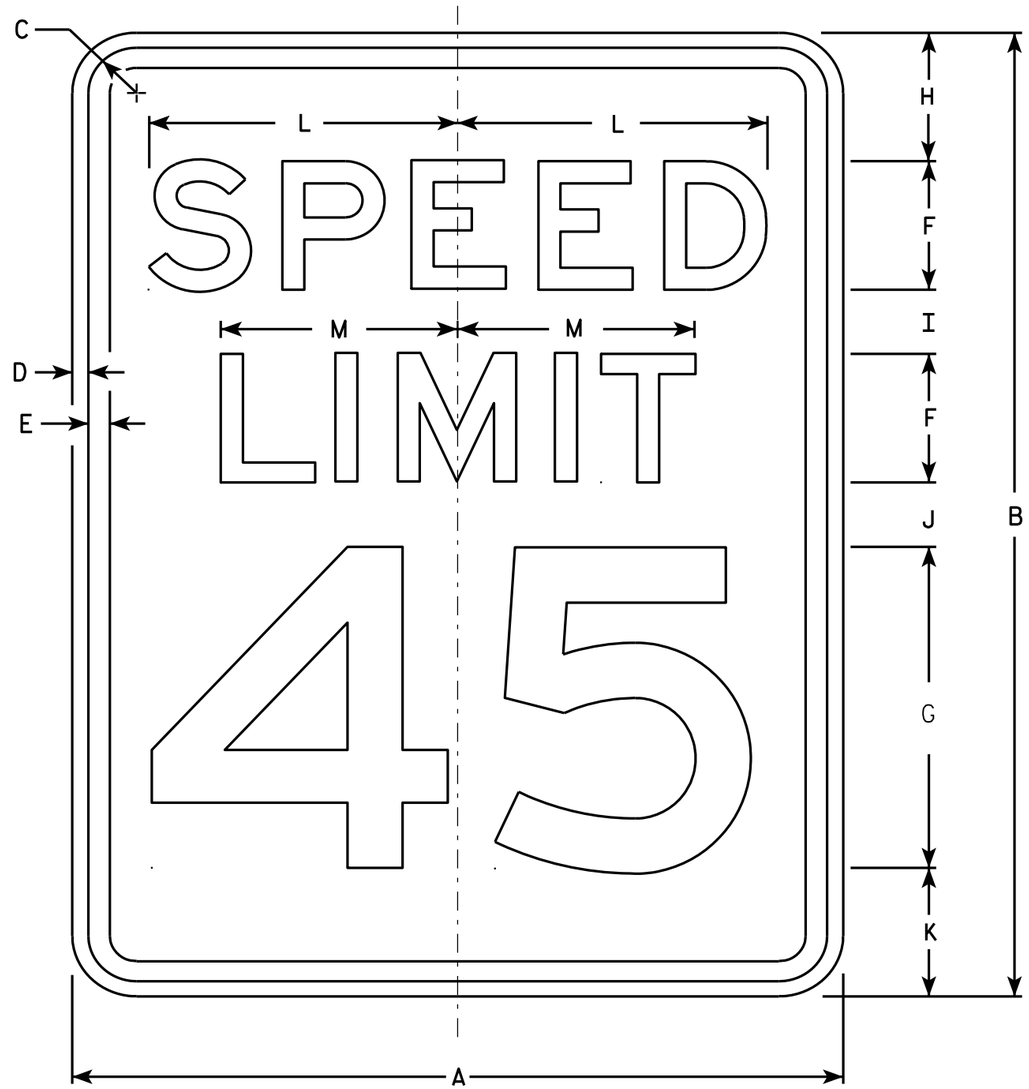
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R1-3P.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 190 | E



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

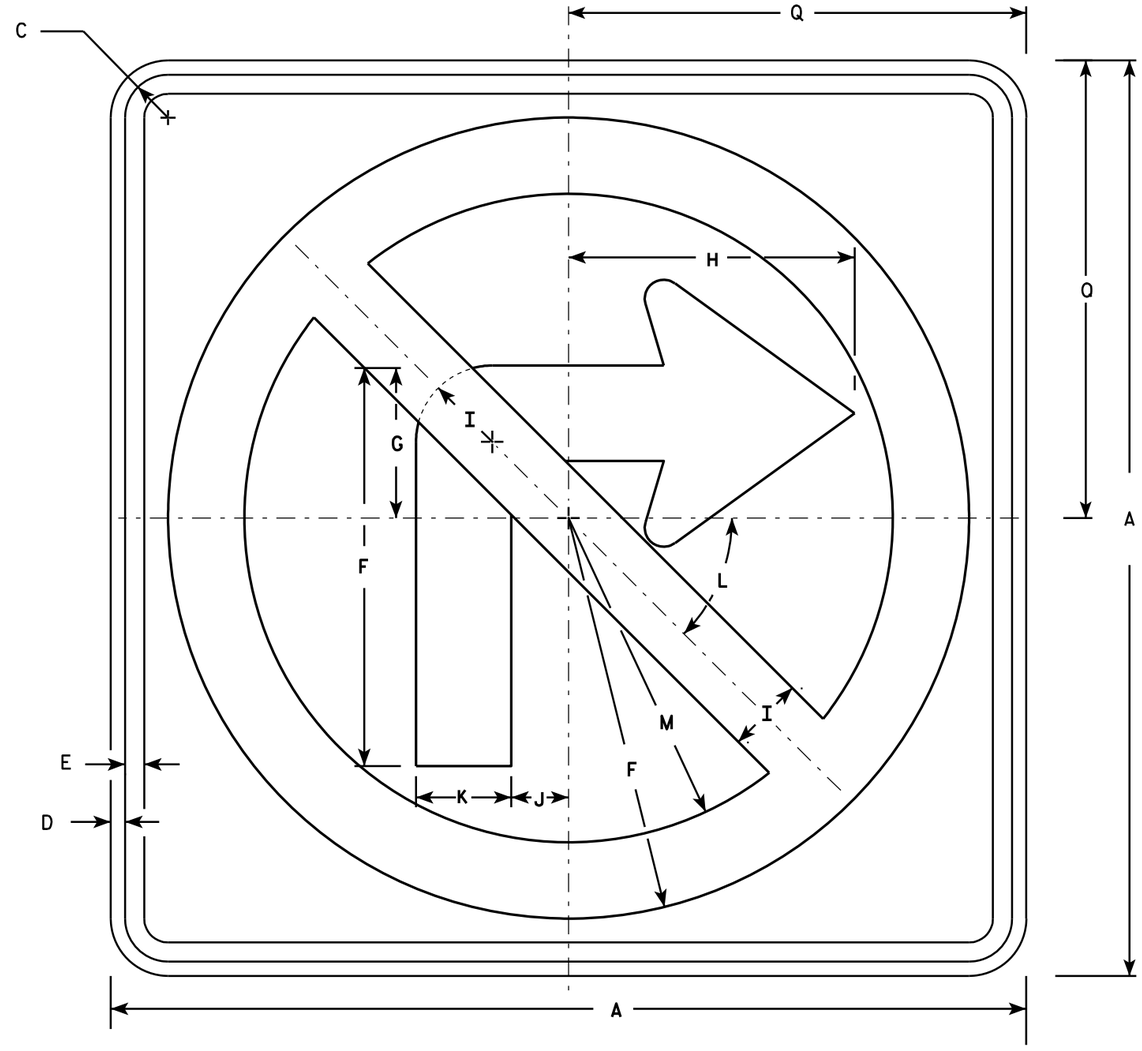
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

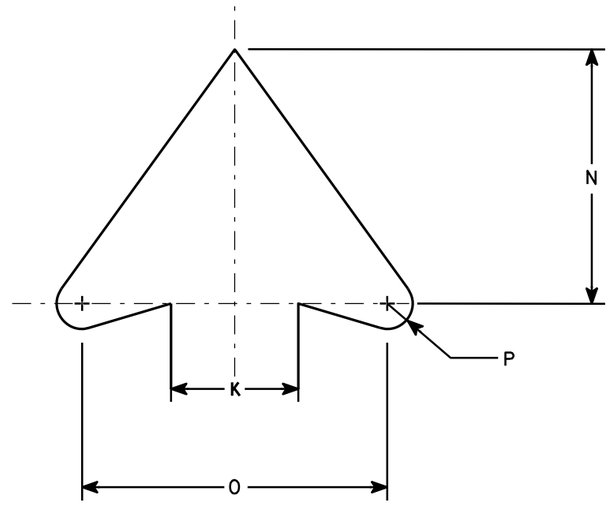
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 191 | E



R3-1

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 - 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

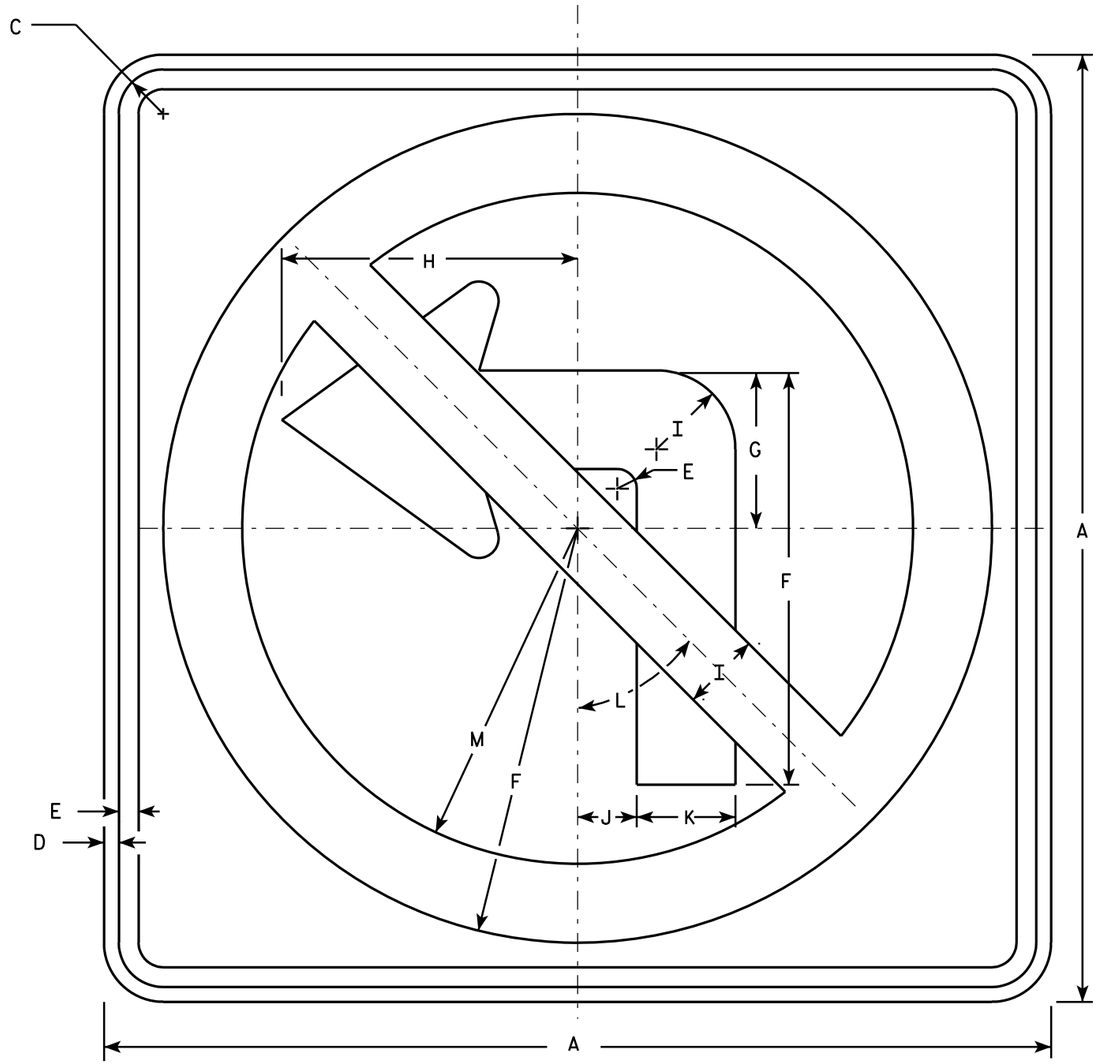
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

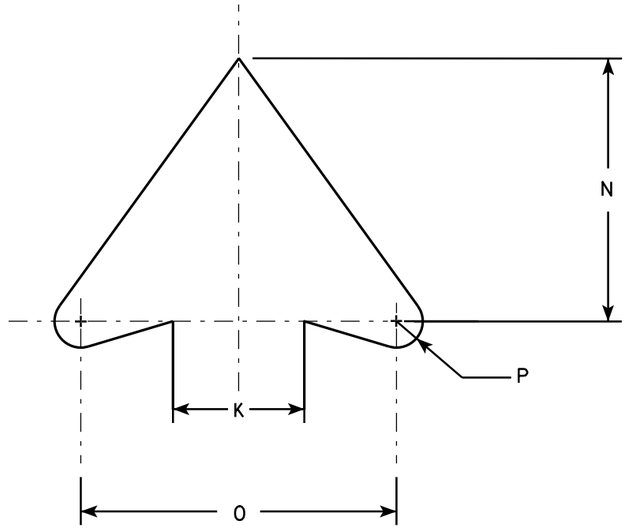
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 192	E



R3-2

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 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

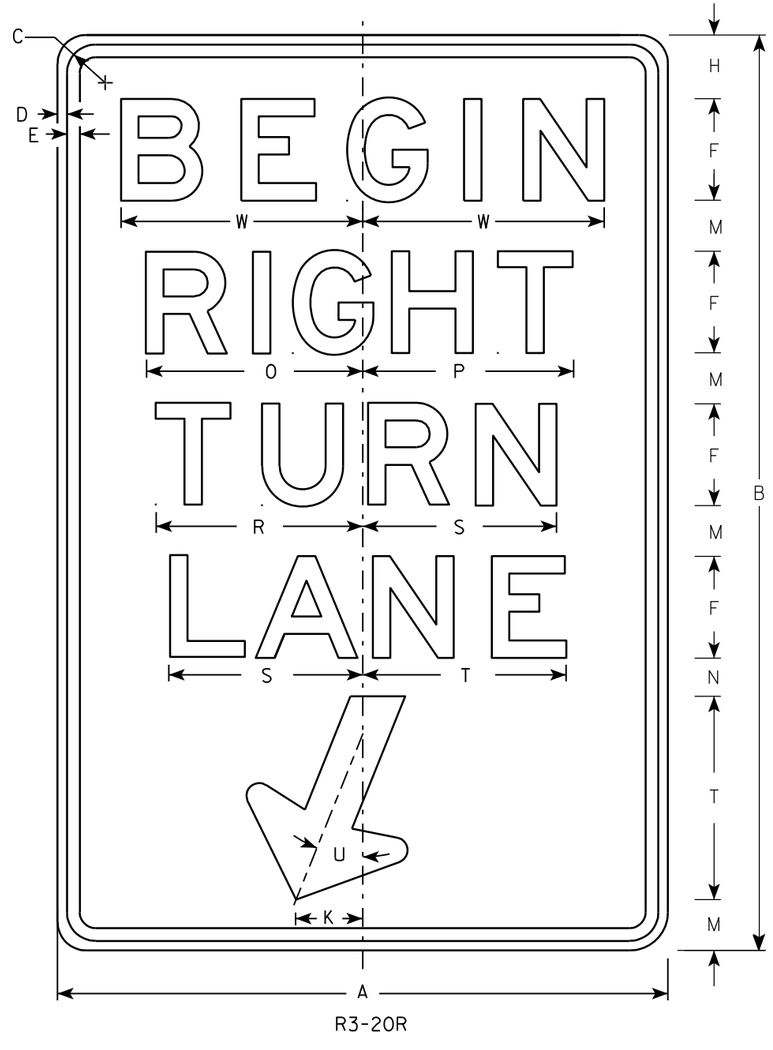
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

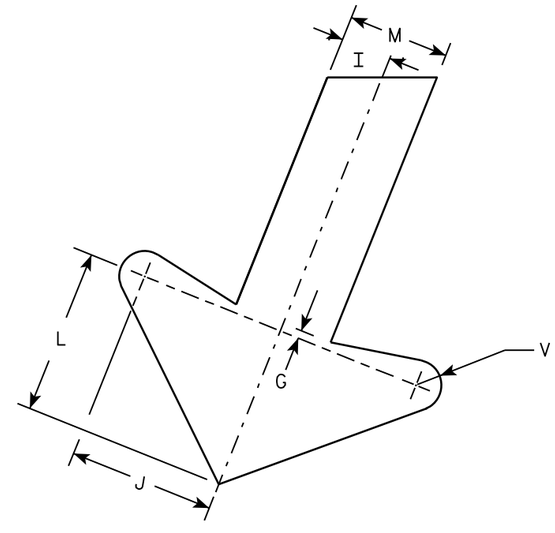
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 193 | E



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																											

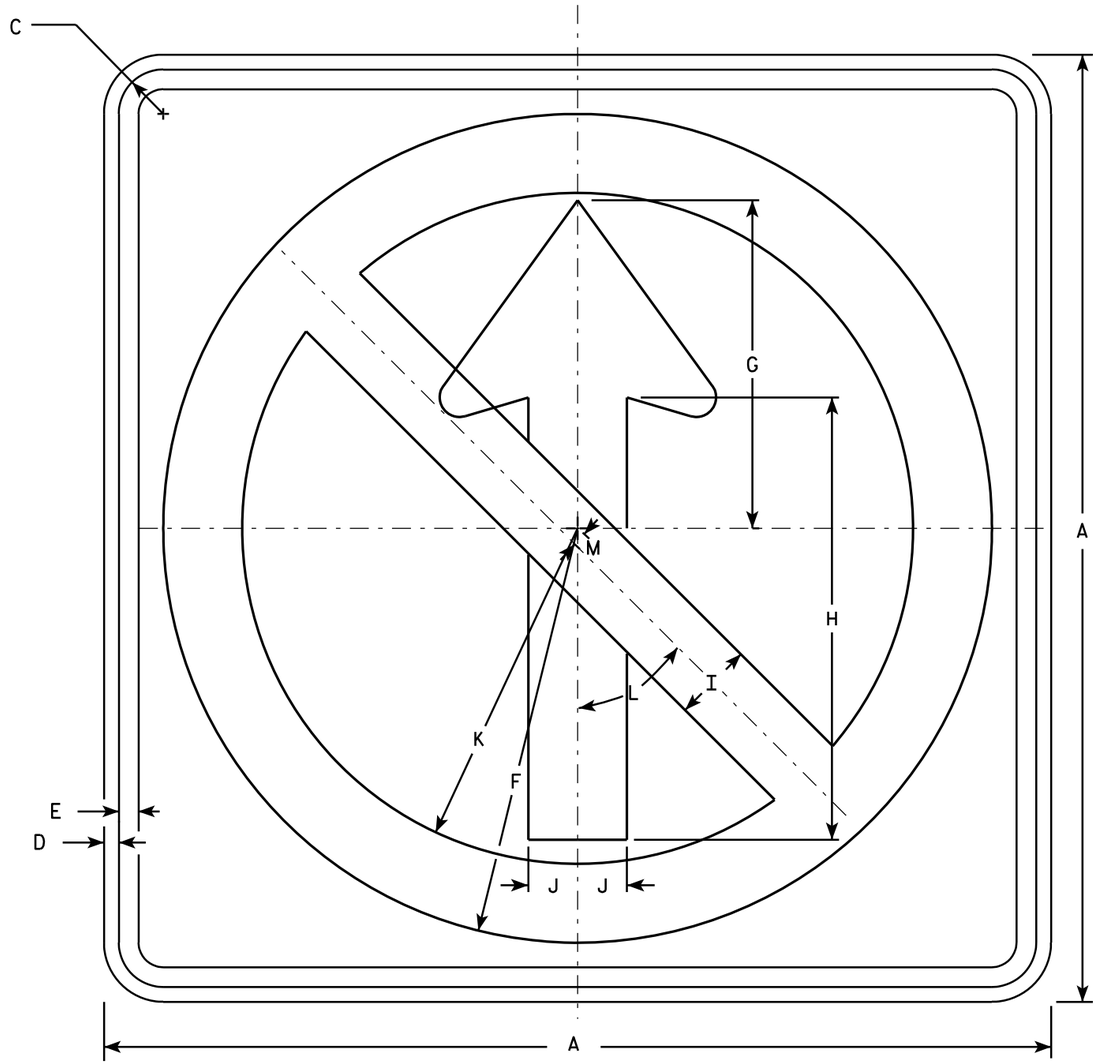
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

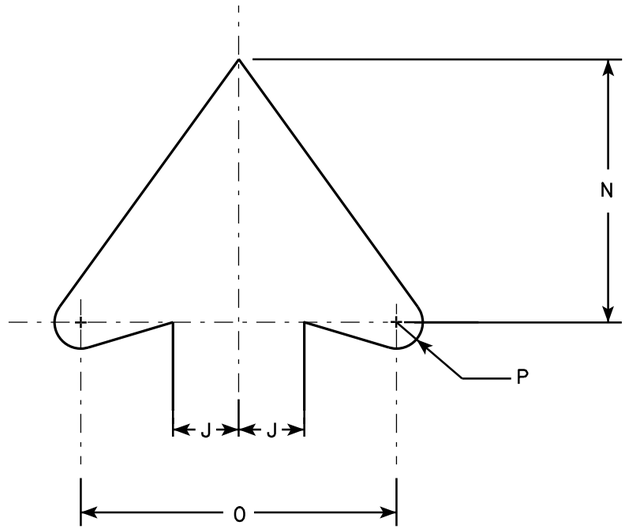
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 194 | E



R3-27

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 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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		1 1/8	3/8	1/2	10 1/2	8 3/8	11 1/4	2	1 1/4	8 1/2	45°	3/8	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	12 1/2	16 3/4	3	1 7/8	12 3/4	45°	1/2	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	12 1/2	16 3/4	3	1 7/8	12 3/4	45°	1/2	7 1/2	9	3/4											9.0
4	48		2 1/4	3/4	1	21	16 5/8	22 3/8	4	2 1/2	17	45°	3/4	10	12	1											16.0
5																											

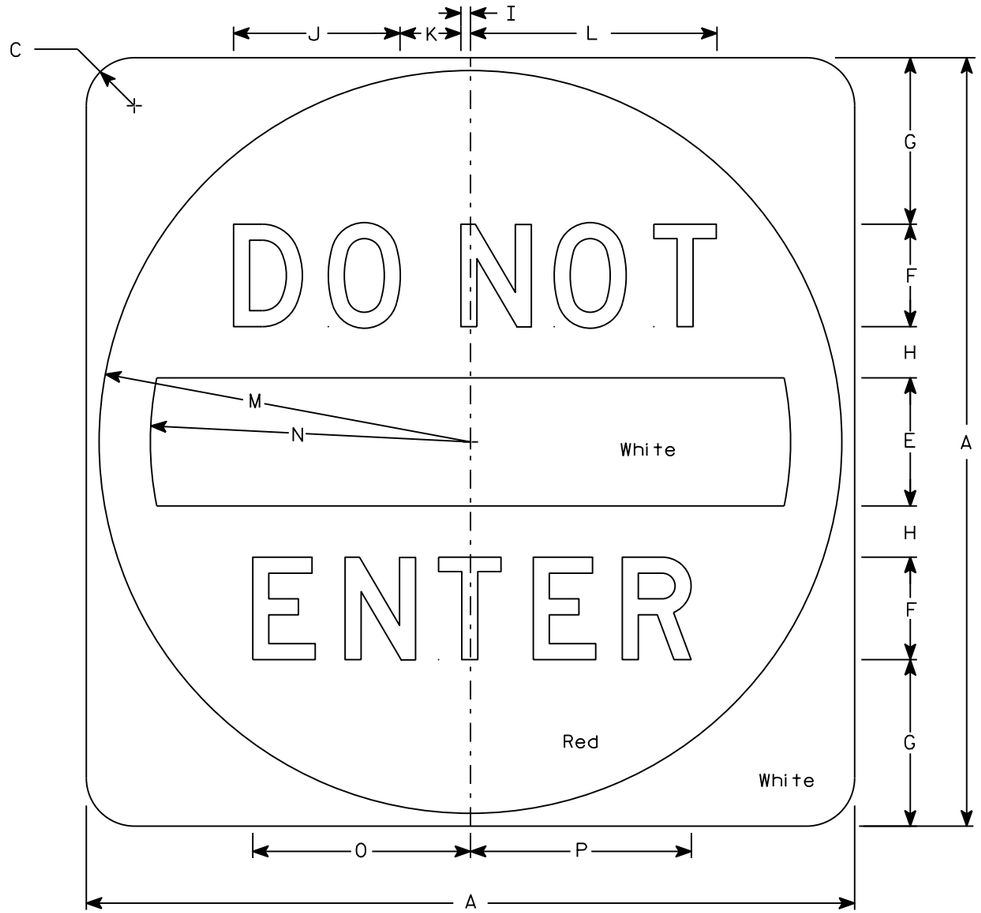
STANDARD SIGN
R3-27

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/07/10 PLATE NO. R3-27.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 195	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

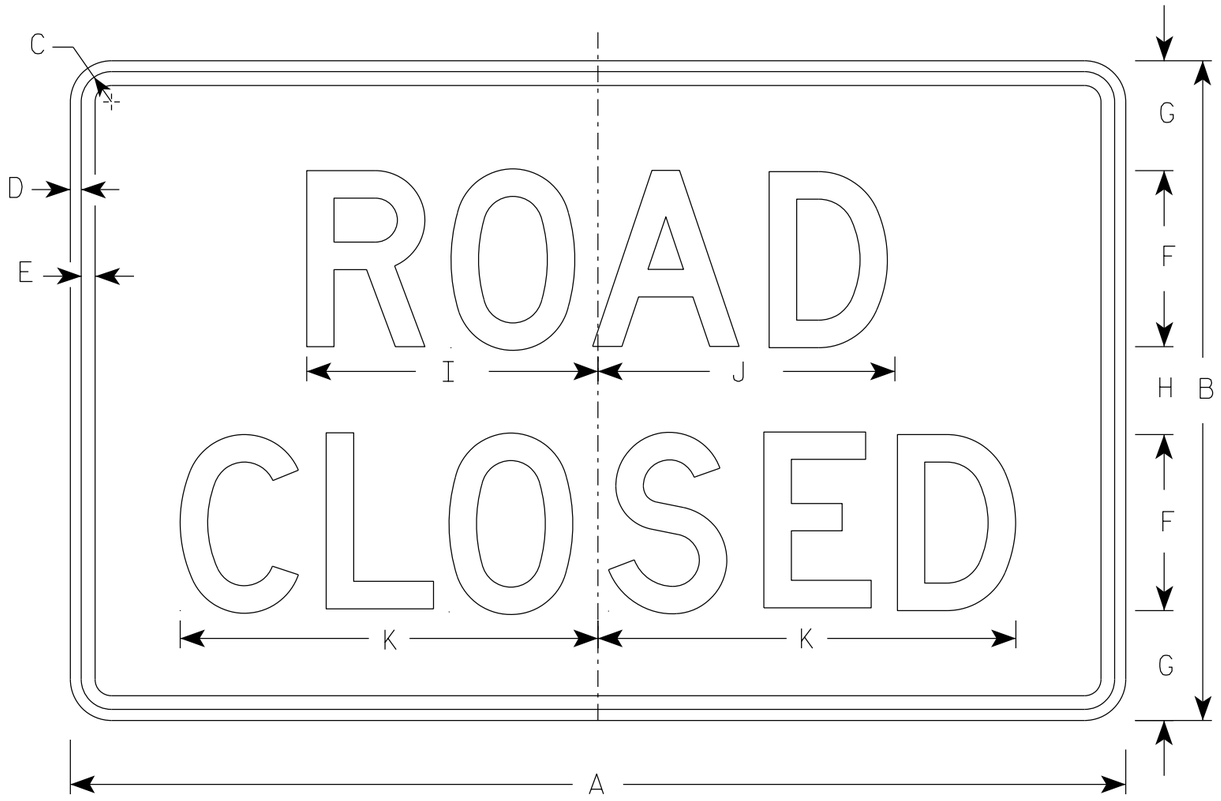
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

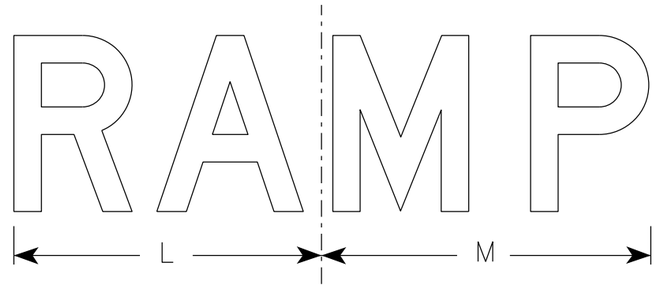
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 196 | E



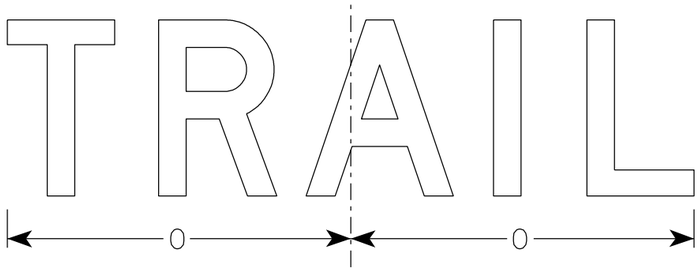
R11-2

NOTES

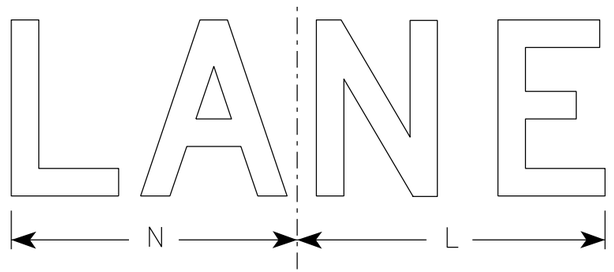
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

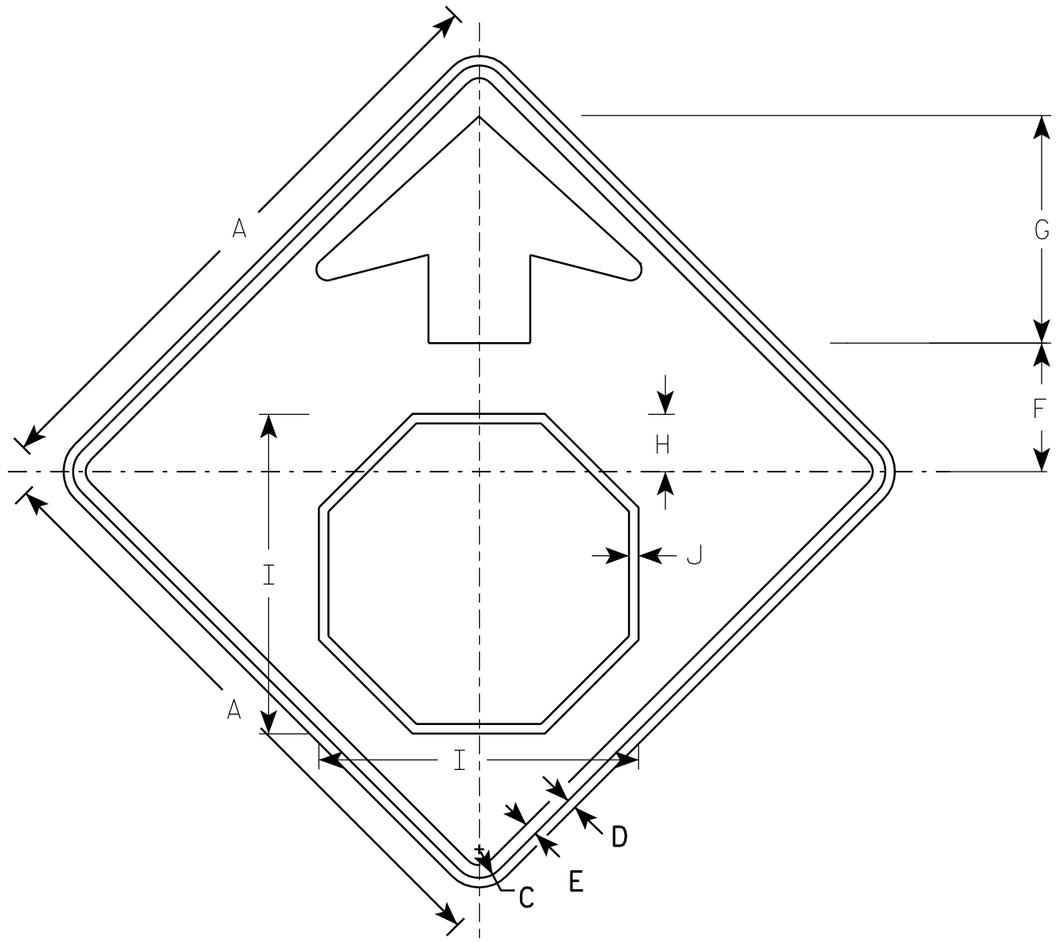
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

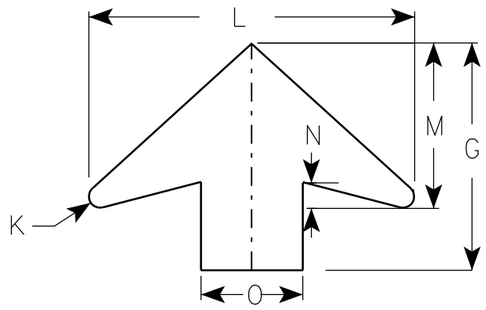
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 197	E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

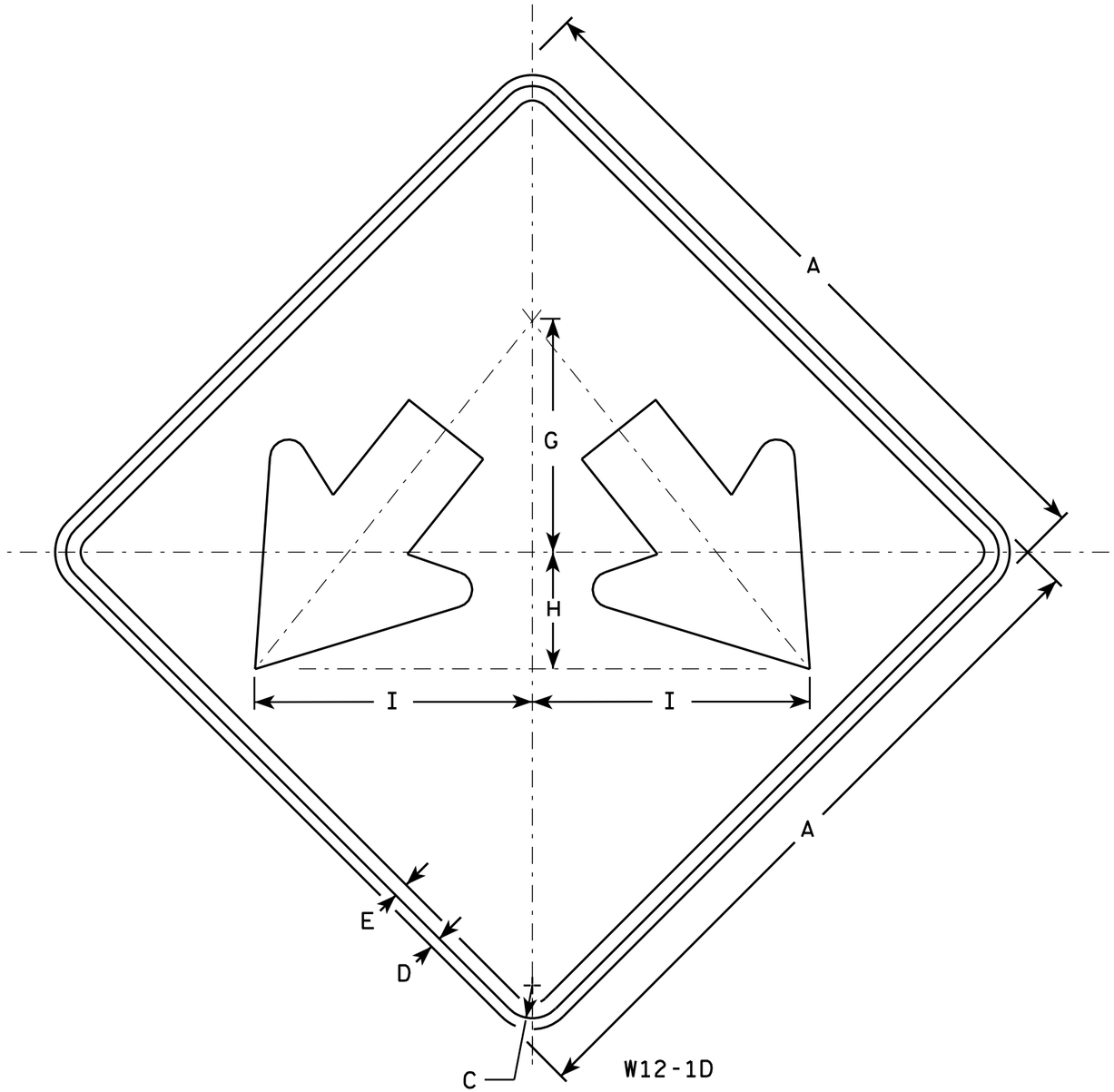
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

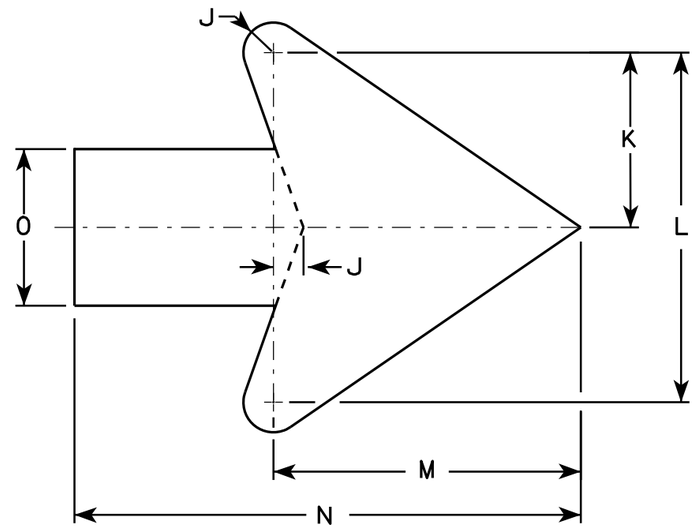
PROJECT NO:

SHEET NO: 198 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

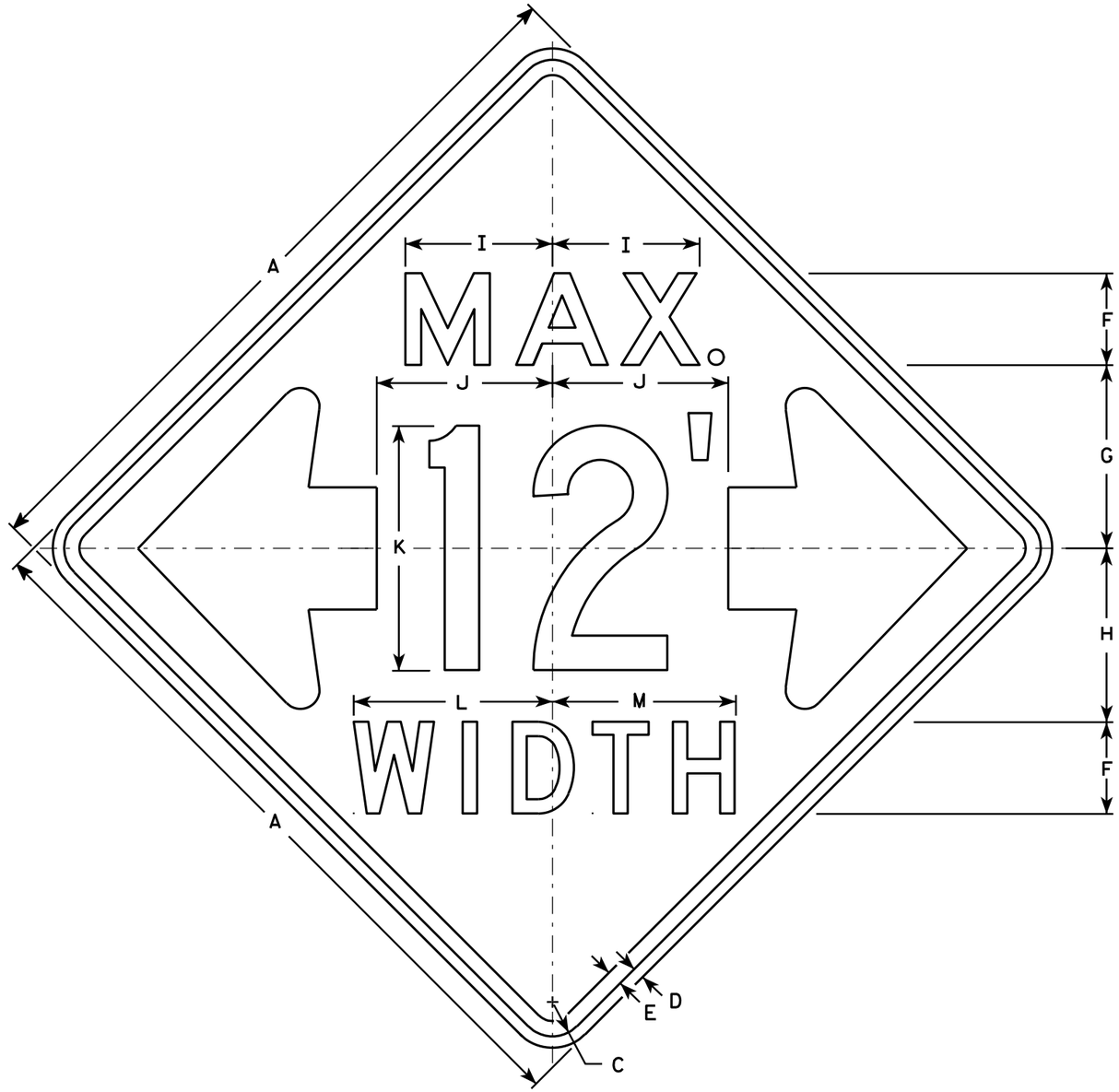
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

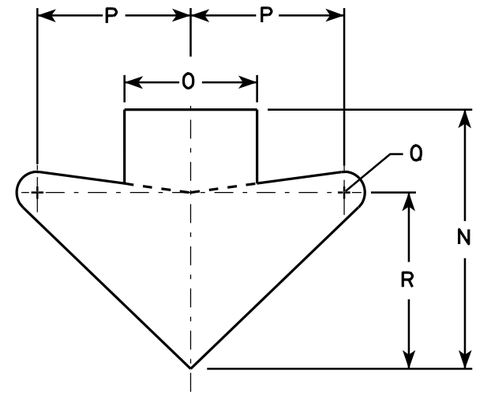
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 199	E



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: 200	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

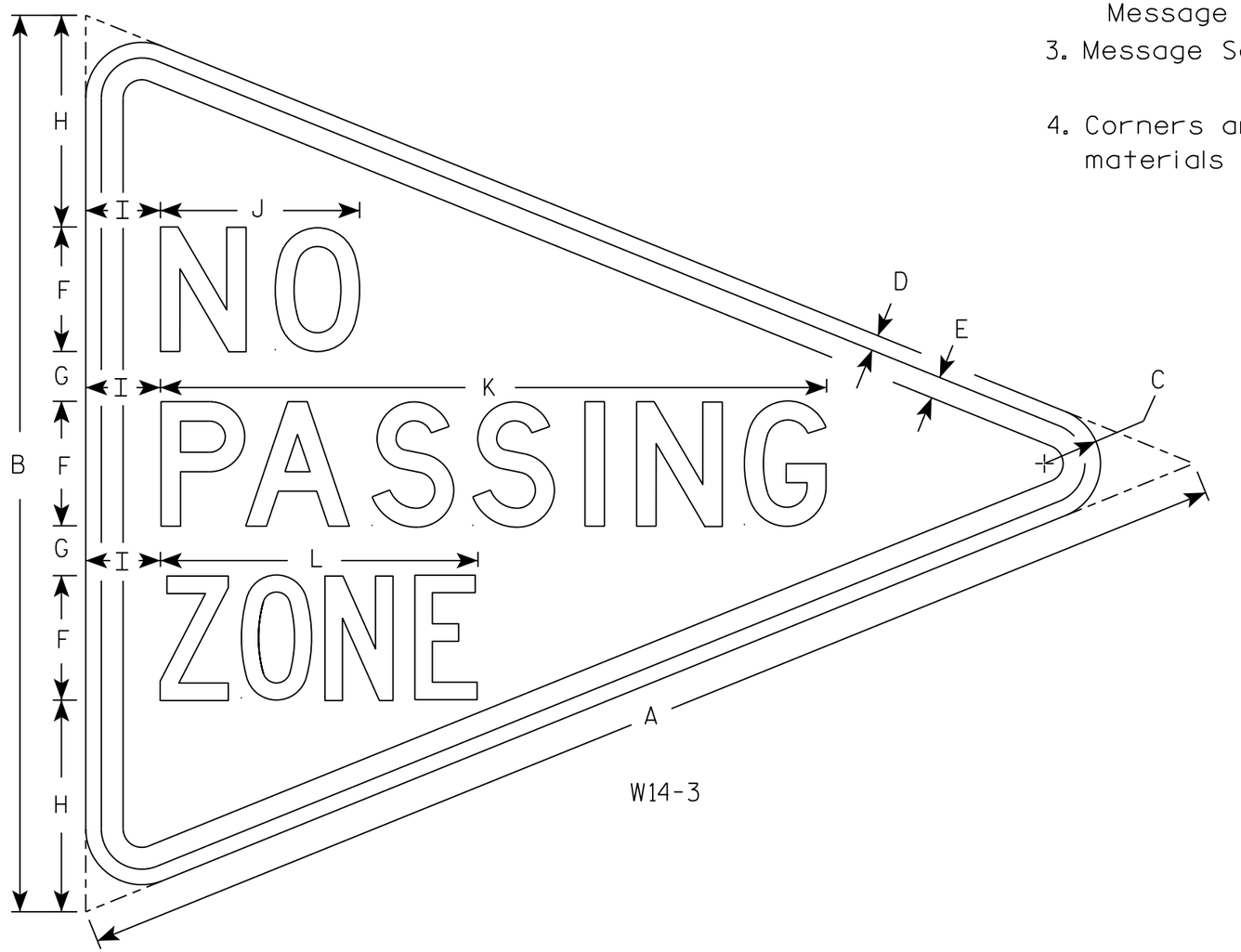
WISDOT/CADDS SHEET 42

7

7

NOTES

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



W14-3

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

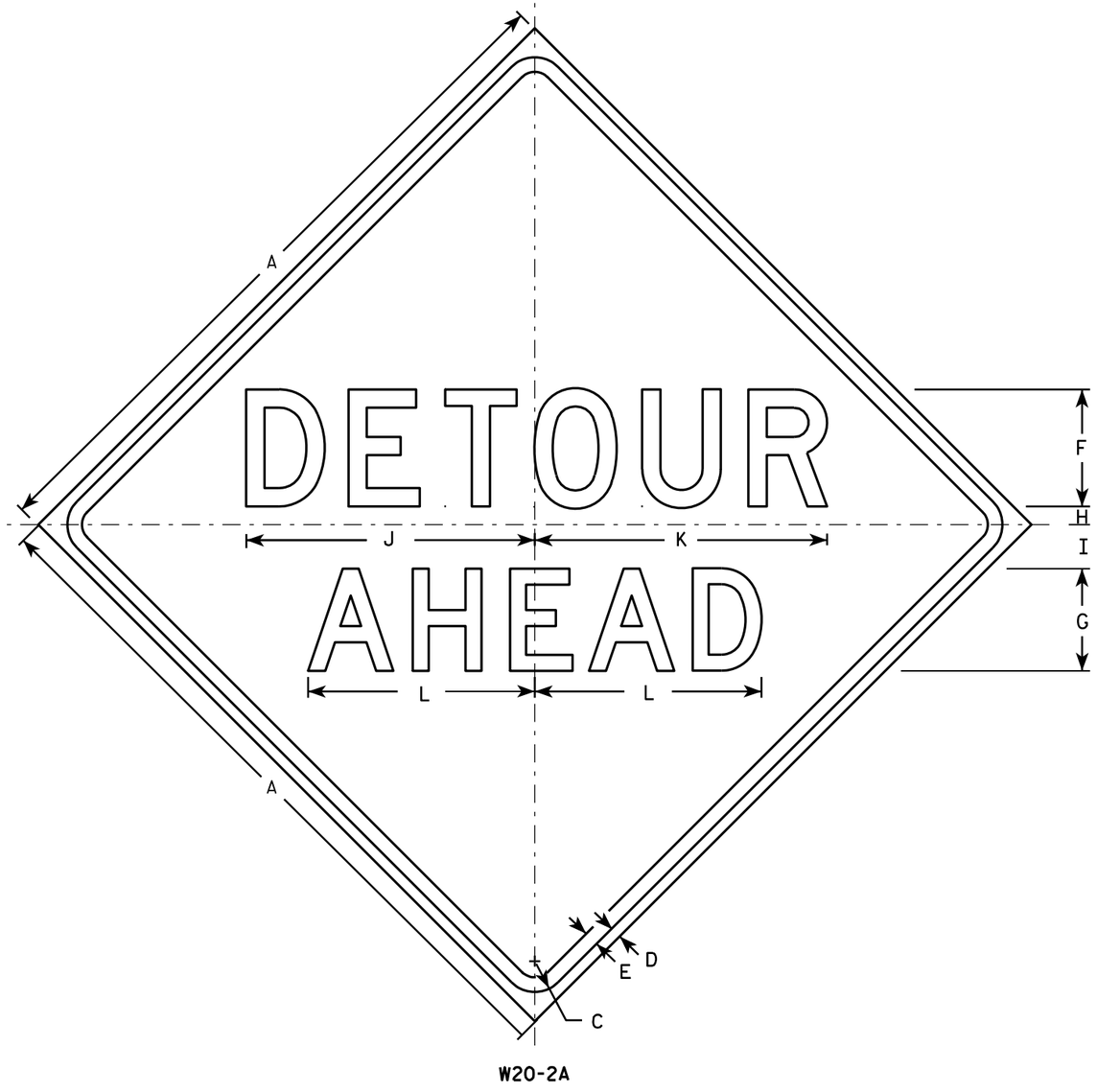
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

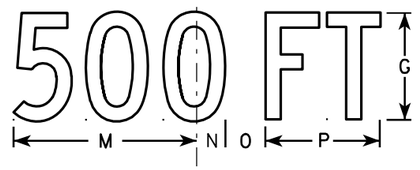
APPROVED Matthew R Rauch
for State Traffic Engineer

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

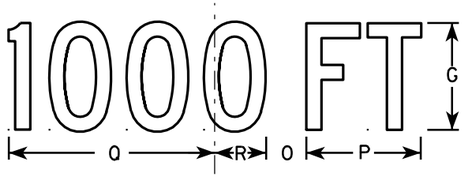
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 201 | E



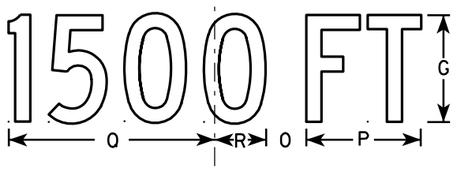
W20-2A



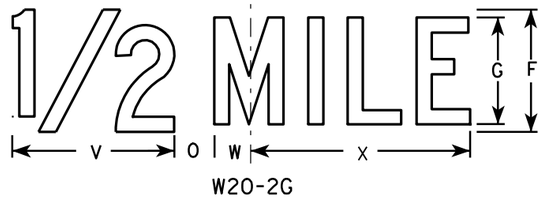
W20-2D



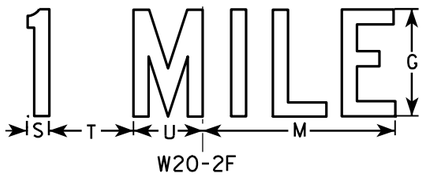
W20-2C



W20-2B



W20-2G



W20-2F

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. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

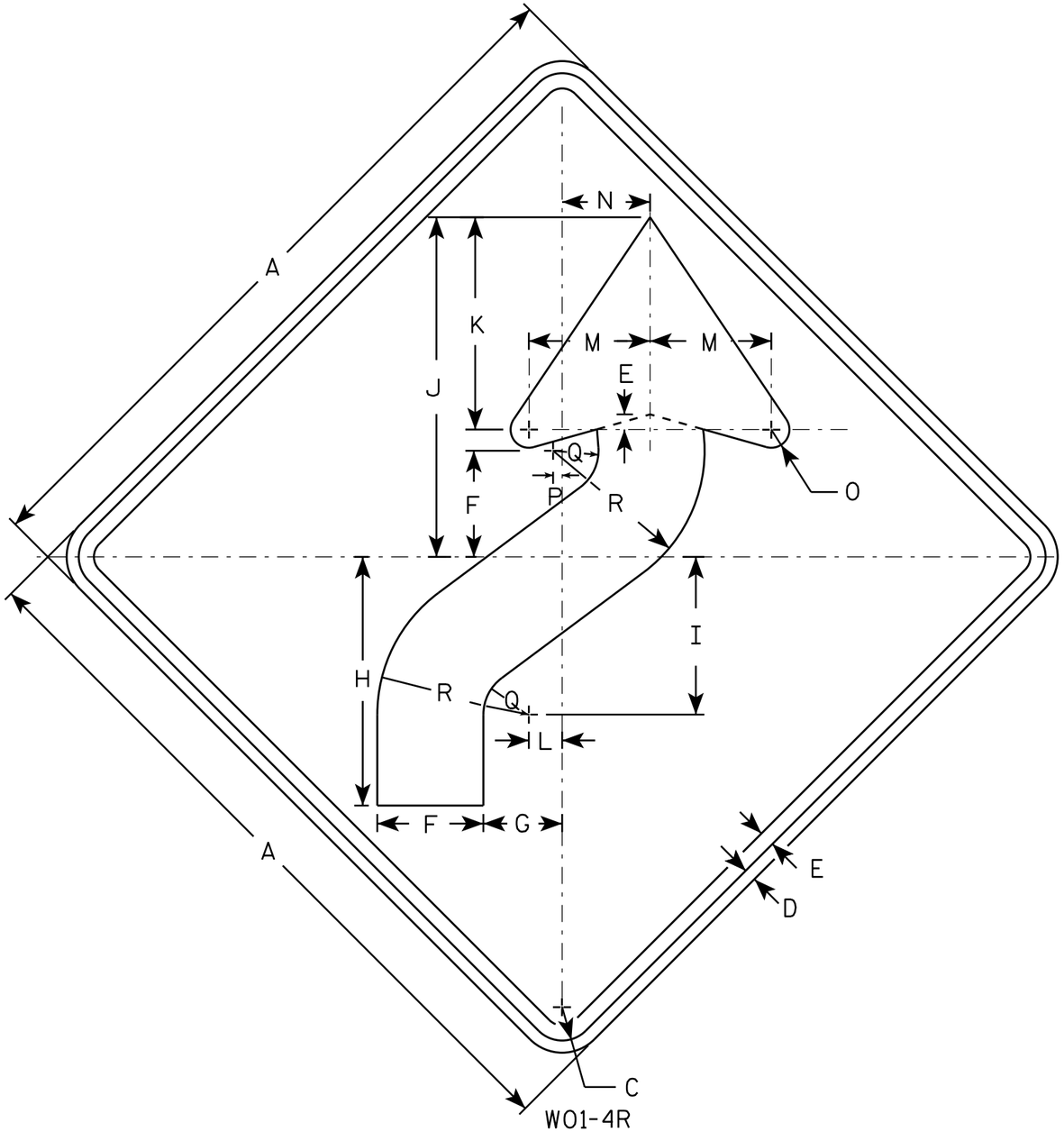
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 202 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



W01-4R

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. W01-4L is the same as W01-4R 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
W01-4

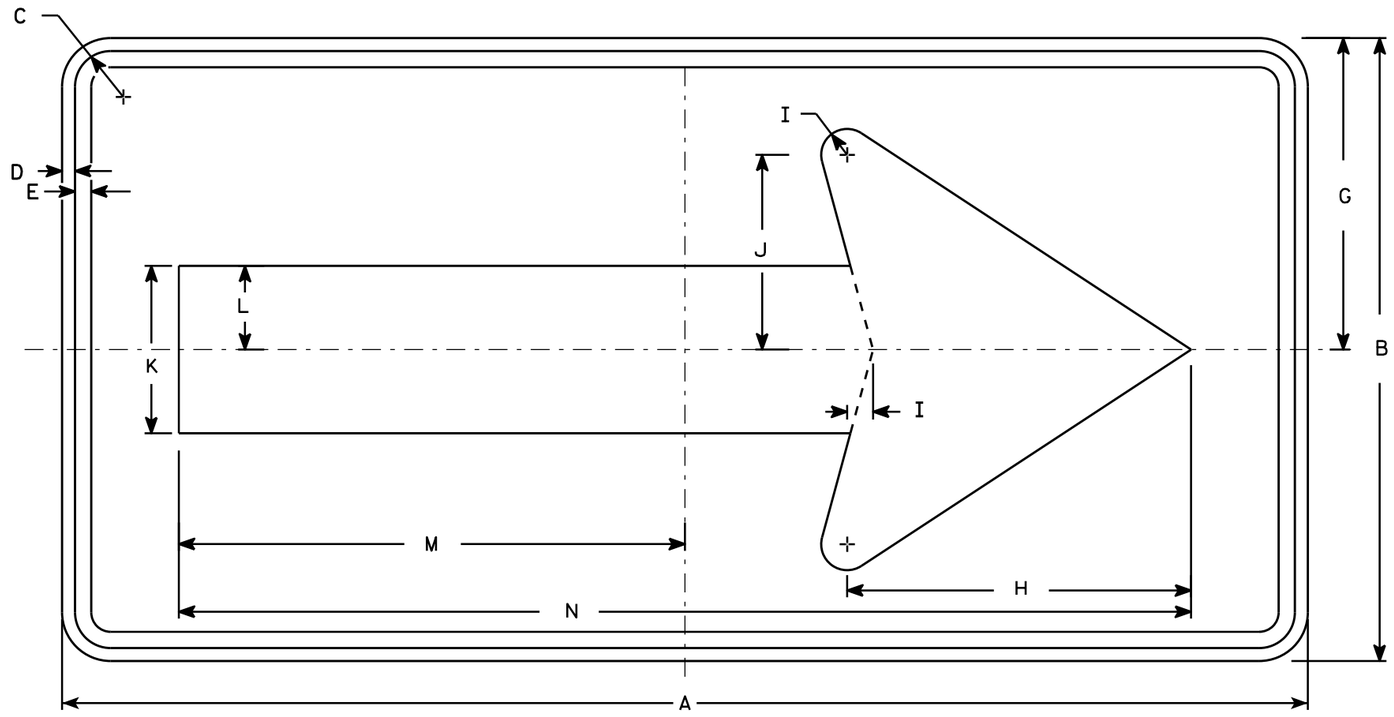
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.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

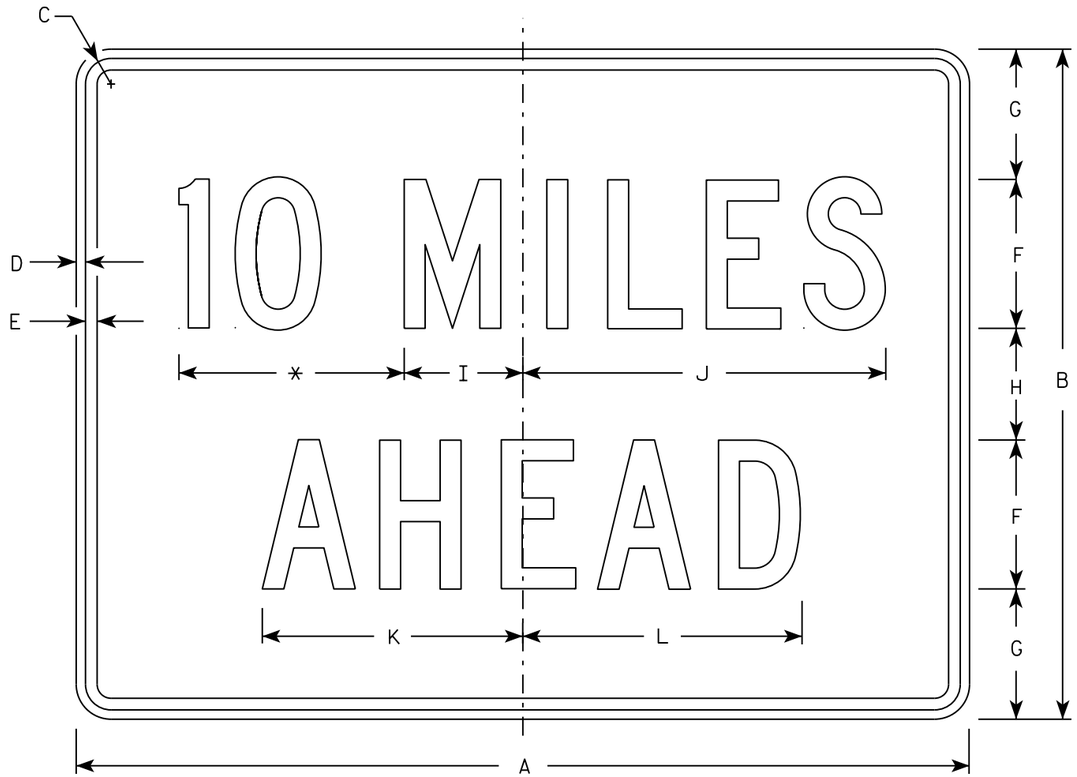
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

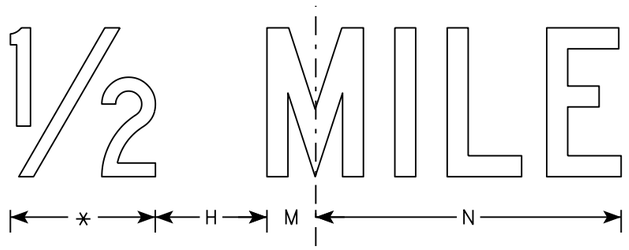
DATE 11/18/13 PLATE W01-6.1

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



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

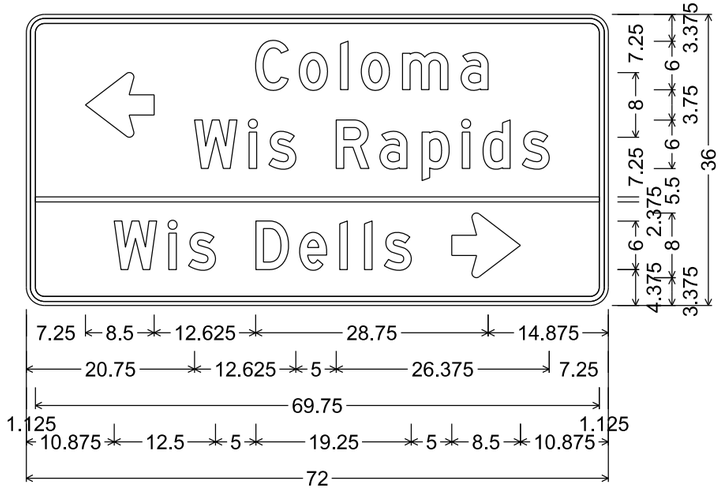
STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

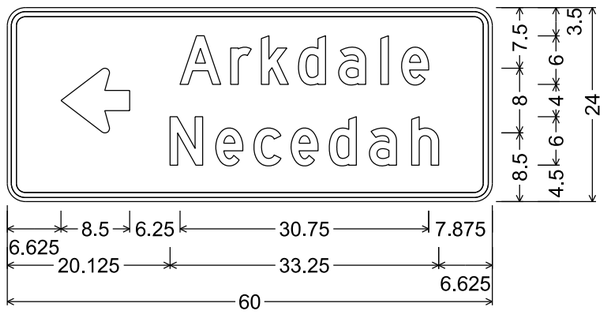
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

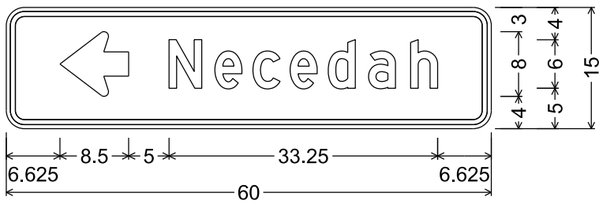
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 205	E



D1-3; 2.250" Radius, 0.625" Border, 0.500" Indent



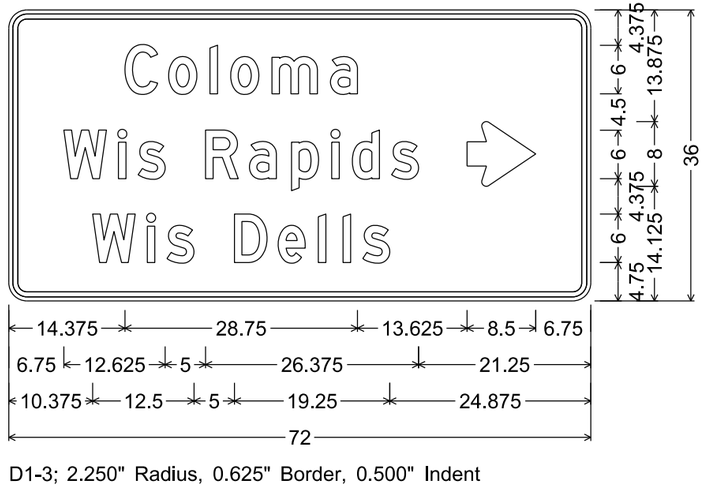
D1-2; 2.250" Radius, 0.625" Border, 0.500" Indent



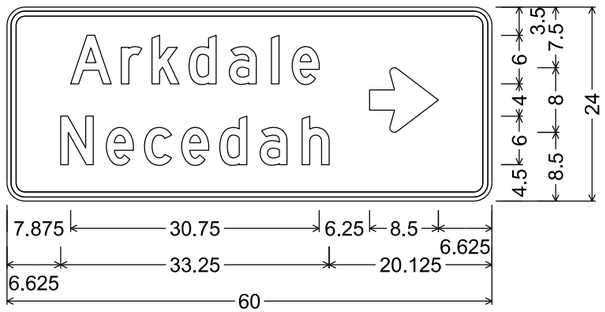
D1-1; 2.250" Radius, 0.625" Border, 0.500" Indent



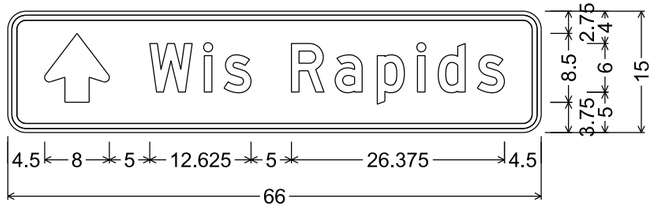
D1-1; 2.250" Radius, 0.625" Border, 0.500" Indent



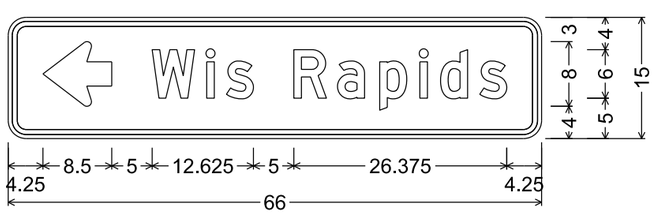
D1-3; 2.250" Radius, 0.625" Border, 0.500" Indent



D1-2; 2.250" Radius, 0.625" Border, 0.500" Indent



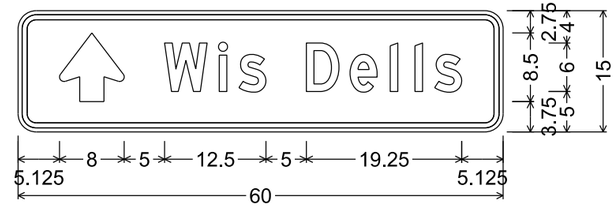
D1-1; 2.250" Radius, 0.625" Border, 0.500" Indent



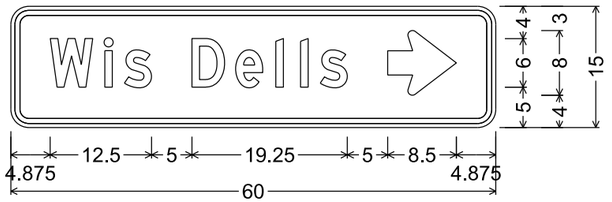
D1-1; 2.250" Radius, 0.625" Border, 0.500" Indent

NOTES

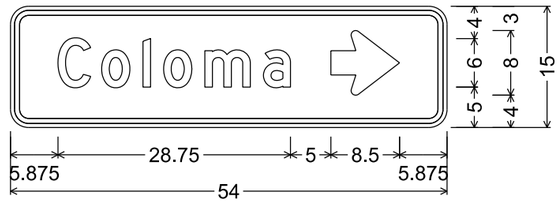
1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



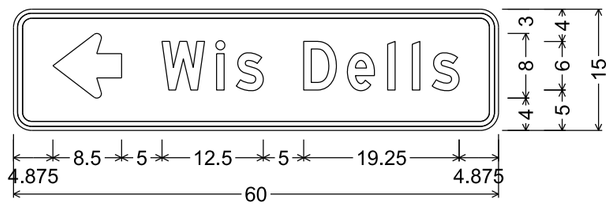
D1-1; 2.250" Radius, 0.625" Border, 0.500" Indent



D1-1; 2.250" Radius, 0.625" Border, 0.500" Indent



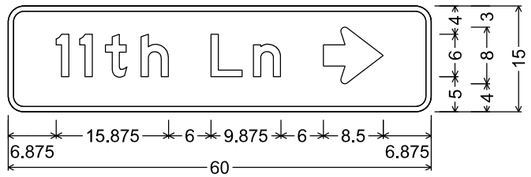
D1-1; 2.250" Radius, 0.625" Border, 0.500" Indent



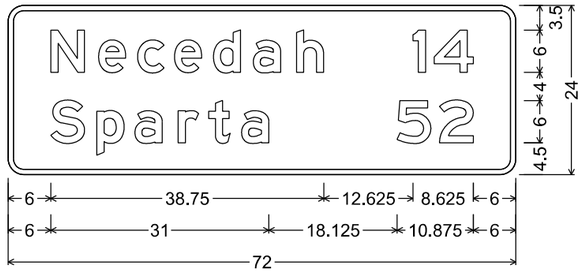
D1-1; 2.250" Radius, 0.625" Border, 0.500" Indent

NOTES

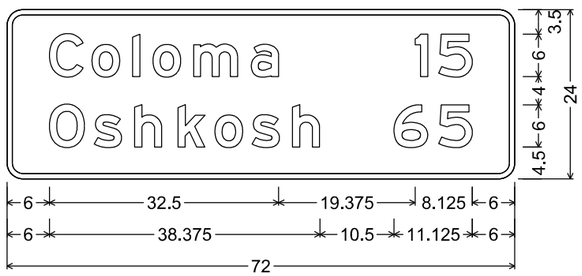
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



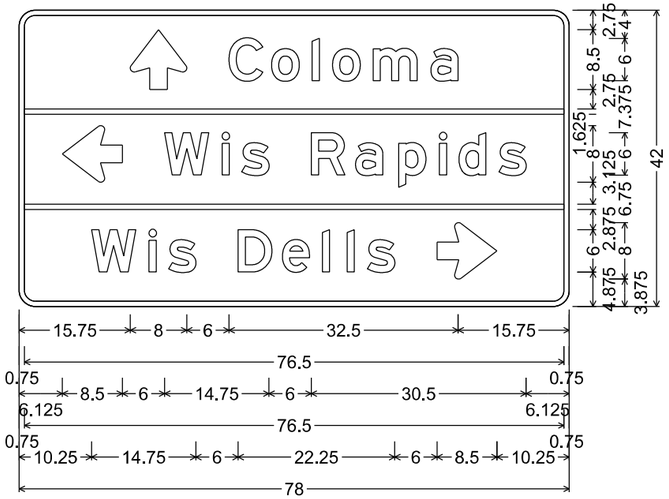
D1-1; 2.250" Radius, 0.750" Border



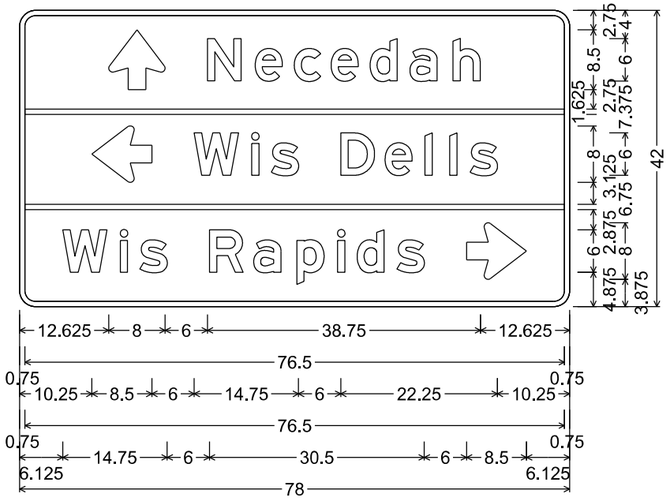
D2-2; 2.250" Radius, 0.750" Border



D2-2; 2.250" Radius, 0.750" Border



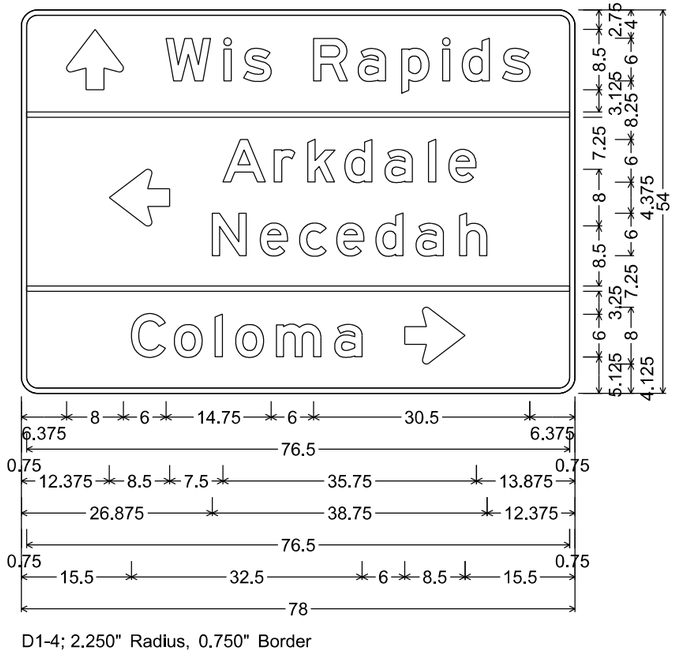
D1-3; 2.250" Radius, 0.750" Border



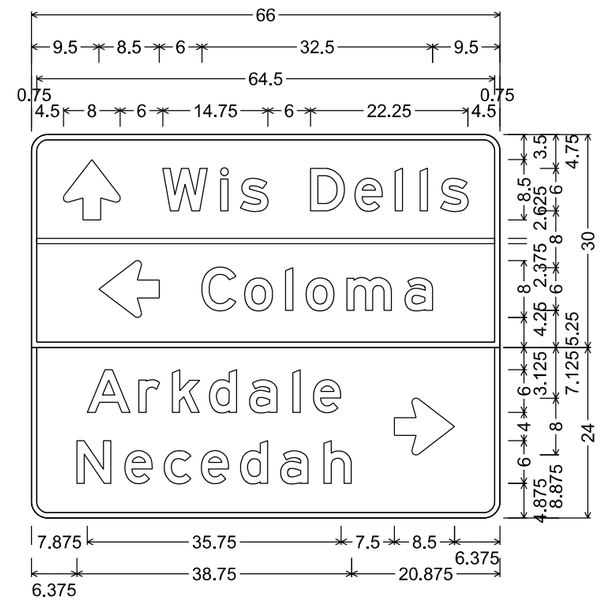
D1-3; 2.250" Radius, 0.750" Border

7

7



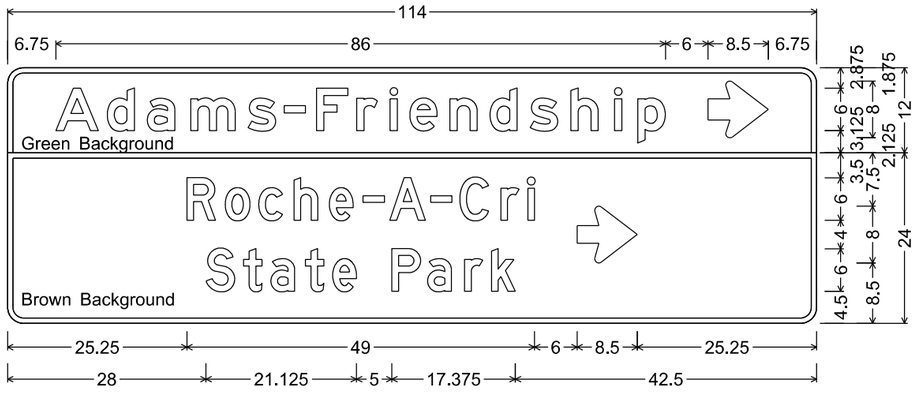
D1-4; 2.250" Radius, 0.750" Border



D1-4; 2.250" Radius, 0.750" Border

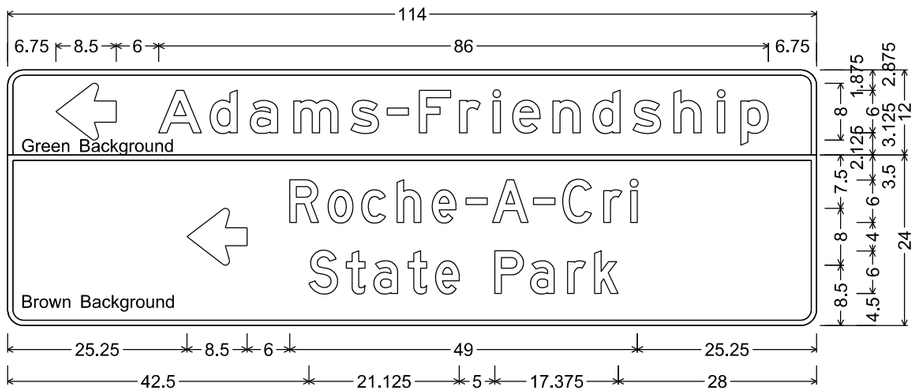
NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E except as noted



2.250" Radius, 0.750" Border

2.250" Radius, 0.750" Border, White on, Brown;
"Roche-A-Cri", D; "State", D; "Park", D



2.250" Radius, 0.750" Border

2.250" Radius, 0.750" Border, White on, Brown;
"Roche-A-Cri", D; "State", D; "Park", D;

7

7

STH 13 STAGE 1

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
29'NB'+18	0.00	0.75	0.00	0	0	0	0	0	0	0
29'NB'+25	13.36	0.75	0.65	2	0	0	2	0	0	2
29'NB'+50	16.33	0.75	0.40	14	1	0	16	1	0	15
29'NB'+75	16.72	0.75	0.29	15	1	0	31	2	0	29
30'NB'+00	17.05	0.75	0.21	16	1	0	47	3	0	44
30'NB'+25	17.61	0.75	0.33	16	1	0	63	4	0	59
30'NB'+50	17.40	0.75	0.82	16	1	1	79	5	1	73
30'NB'+75	16.90	0.75	1.26	16	1	1	95	6	2	87
31'NB'+00	16.20	0.75	1.78	15	1	1	110	7	3	100
31'NB'+25	15.97	0.75	2.98	15	1	2	125	8	6	111
31'NB'+50	16.66	0.75	6.14	15	1	4	140	9	10	121
31'NB'+75	18.23	0.75	9.73	16	1	7	156	10	18	128
32'NB'+00	18.57	0.75	14.29	17	1	11	173	11	31	131
32'NB'+25	18.05	0.75	18.70	17	1	15	190	12	48	130
32'NB'+50	16.48	0.75	25.88	16	1	21	206	13	72	121
32'NB'+75	15.69	0.75	33.60	15	1	28	221	14	105	102
33'NB'+00	15.53	0.75	39.60	14	1	34	235	15	144	76
33'NB'+25	15.51	0.75	45.78	14	1	40	249	16	190	43
33'NB'+50	16.24	0.75	56.37	15	1	47	264	17	244	3
33'NB'+75	16.95	0.75	58.22	15	1	53	279	18	305	-44
34'NB'+00	17.49	0.75	58.67	16	1	54	295	19	367	-91
34'NB'+25	17.86	0.75	57.73	16	1	54	311	20	429	-138
34'NB'+50	18.22	0.75	55.45	17	1	52	328	21	489	-182
34'NB'+75	18.46	0.75	51.89	17	1	50	345	22	546	-223
35'NB'+00	18.71	0.75	47.23	17	1	46	362	23	599	-260
35'NB'+25	18.24	0.75	43.92	17	1	42	379	24	647	-292
35'NB'+50	16.12	0.75	41.79	16	1	40	395	25	693	-323
35'NB'+75	14.40	0.75	37.09	14	1	37	409	26	736	-353
36'NB'+00	12.79	0.75	31.20	13	1	32	422	27	773	-378
36'NB'+25	11.94	0.75	24.74	11	1	26	433	28	803	-398
36'NB'+50	11.39	0.75	17.10	11	1	19	444	29	825	-410
36'NB'+75	11.53	0.75	6.85	11	1	11	455	30	837	-412
37'NB'+00	11.76	0.75	4.93	11	1	5	466	31	843	-408
37'NB'+07	11.82	0.75	4.58	3	0	1	469	31	844	-406

STH 21 STAGE 1

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
492'EB'+89.5	16.83	0.00	0.00	0	0	0	0	0	0	0
493'EB'+00	16.29	0.00	0.00	6	0	0	6	0	0	6
493'EB'+25	16.03	0.00	0.00	15	0	0	21	0	0	21
493'EB'+50	16.65	0.00	0.00	15	0	0	36	0	0	36
493'EB'+75	16.69	0.00	0.00	15	0	0	51	0	0	51
494'EB'+00	16.22	0.00	0.00	15	0	0	66	0	0	66
494'EB'+25	15.22	0.00	0.00	15	0	0	81	0	0	81
494'EB'+50	16.55	0.00	0.02	15	0	0	96	0	0	96
494'EB'+75	18.68	0.00	0.05	16	0	0	112	0	0	112
495'EB'+00	13.61	0.00	0.46	15	0	0	127	0	0	127
495'EB'+25	8.48	0.00	3.06	10	0	2	137	0	2	135
495'EB'+50	8.52	0.00	4.24	8	0	3	145	0	6	139
495'EB'+75	16.33	0.00	2.13	12	0	3	157	0	9	148
495'EB'+94	19.25	0.00	0.00	13	0	1	170	0	10	160
497'EB'+55.8	9.99	0.00	0.00	88	0	0	258	0	10	248
497'EB'+75	13.68	0.00	0.00	8	0	0	266	0	10	256
498'EB'+00	16.67	0.00	0.00	14	0	0	280	0	10	270
498'EB'+25	20.07	0.00	0.00	17	0	0	297	0	10	287
498'EB'+50	19.46	0.00	0.00	18	0	0	315	0	10	305
498'EB'+75	18.18	0.00	0.00	17	0	0	332	0	10	322
499'EB'+00	16.48	0.00	0.00	16	0	0	348	0	10	338
499'EB'+25	15.04	0.00	0.00	15	0	0	363	0	10	353
499'EB'+50	12.84	0.00	0.00	13	0	0	376	0	10	366
499'EB'+75	10.82	0.00	0.00	11	0	0	387	0	10	377
500'EB'+00	9.02	0.00	0.06	9	0	0	396	0	10	386
500'EB'+25	8.15	0.00	0.96	8	0	0	404	0	10	394
500'EB'+50	8.39	0.00	1.22	8	0	1	412	0	12	401
500'EB'+75	8.66	0.00	1.42	8	0	1	420	0	13	407
501'EB'+00	8.97	0.00	1.58	8	0	1	428	0	14	414
501'EB'+25	9.18	0.00	1.64	8	0	1	436	0	15	421
501'EB'+50	9.10	0.00	1.25	8	0	1	444	0	16	428
501'EB'+75	8.94	0.00	0.81	8	0	1	452	0	17	435
502'EB'+00	8.97	0.00	0.42	8	0	1	460	0	18	442
502'EB'+25	9.27	0.00	0.14	8	0	0	468	0	18	450
502'EB'+50	9.52	0.00	0.11	9	0	0	477	0	18	459
502'EB'+75	9.80	0.00	0.04	9	0	0	486	0	18	468
503'EB'+00	10.12	0.00	0.00	9	0	0	495	0	18	477
503'EB'+25	10.50	0.00	0.00	10	0	0	505	0	18	487
503'EB'+50	11.31	0.00	0.00	10	0	0	515	0	18	497
503'EB'+75	10.72	0.00	0.00	10	0	0	525	0	18	507
504'EB'+00	5.25	0.00	0.00	7	0	0	532	0	18	514
504'EB'+25	8.61	0.00	0.00	6	0	0	538	0	18	520
504'EB'+50	8.74	0.00	0.00	8	0	0	546	0	18	528
504'EB'+75	4.77	0.00	0.00	6	0	0	552	0	18	534
505'EB'+00	8.69	0.00	0.02	6	0	0	558	0	18	540
505'EB'+25	11.47	0.00	0.00	9	0	0	567	0	18	549
505'EB'+50	11.97	0.00	0.00	11	0	0	578	0	18	560
505'EB'+75	11.95	0.00	0.00	11	0	0	589	0	18	571
506'EB'+00	11.93	0.00	0.00	11	0	0	600	0	18	582
506'EB'+25	12.04	0.00	0.00	11	0	0	611	0	18	593
506'EB'+50	12.17	0.00	0.00	11	0	0	622	0	18	604

STH 21 STAGE 1

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
506'EB'+75	12.25	0.00	0.00	11	0	0	633	0	18	615
507'EB'+00	12.19	0.00	0.00	11	0	0	644	0	18	626
507'EB'+25	12.27	0.00	0.00	11	0	0	655	0	18	637
507'EB'+50	10.38	0.00	0.00	10	0	0	665	0	18	647
507'EB'+75	8.45	0.00	0.00	9	0	0	674	0	18	656
508'EB'+00	6.78	0.00	0.21	7	0	0	681	0	18	663
508'EB'+08.3	6.29	0.00	0.34	2	0	0	683	0	18	665

STH 13 STAGE 2

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
22'NB'+41.8	101.71	15.00	1.42	0	0	0	0	0	0	0
22'NB'+50	101.55	19.00	1.74	31	5	0	31	5	0	26
22'NB'+75	101.85	15.00	2.51	94	16	2	125	21	2	102
23'NB'+00	120.14	23.25	1.79	103	18	2	228	39	5	184
23'NB'+25	131.73	23.92	1.42	117	22	1	345	61	6	278
23'NB'+50	127.45	24.33	0.88	120	22	1	465	83	7	375
23'NB'+75	115.92	25.17	0.42	113	23	1	578	106	8	464
24'NB'+00	119.28	24.58	0.00	109	23	0	687	129	8	550
24'NB'+25	125.60	24.67	0.00	113	23	0	800	152	8	640
24'NB'+50	131.15	24.58	0.00	119	23	0	919	175	8	736
24'NB'+75	135.25	26.25	0.00	123	24	0	1,042	199	8	835
25'NB'+00	133.23	29.08	0.00	124	26	0	1,166	225	8	933
25'NB'+25	131.36	33.00	0.00	122	29	0	1,288	254	8	1,026
25'NB'+50	132.76	37.67	0.00	122	33	0	1,410	287	8	1,115
25'NB'+75	136.13	42.83	0.00	124	37	0	1,534	324	8	1,202
25'NB'+86.5	126.57	47.25	0.00	56	19	0	1,590	343	8	1,239
25'NB'+90	87.26	26.25	0.00	14	5	0	1,604	348	8	1,248
25'NB'+90.2	85.11	26.25	0.00	1	0	0	1,605	348	8	1,249
26'NB'+00	86.66	27.75	0.00	31	10	0	1,636	358	8	1,270
26'NB'+25	93.69	30.00	0.00	83	27	0	1,719	385	8	1,326
26'NB'+50	102.55	33.50	0.00	91	29	0	1,810	414	8	1,388
26'NB'+75	105.59	38.25	0.47	96	33	0	1,906	447	8	1,451
26'NB'+77.2	106.84	39.00	1.47	9	3	0	1,915	450	8	1,457
26'NB'+80	105.35	39.00	1.45	11	4	0	1,926	454	8	1,464
26'NB'+85	106.11	40.50	0.90	20	7	0	1,946	461	8	1,477
26'NB'+90	95.79	39.75	0.00	19	7	0	1,965	468	8	1,489
26'NB'+95	79.50	33.75	0.00	16	7	0	1,981	475	8	1,498
27'NB'+00	59.60	27.00	0.00	13	6	0	1,994	481	8	1,505
27'NB'+05	43.16	21.00	0.00	10	4	0	2,004	485	8	1,511
27'NB'+10	28.17	15.00	0.00	7	3	0	2,011	488	8	1,515
27'NB'+15	14.80	8.25	0.00	4	2	0	2,015	490	8	1,517
27'NB'+17.9	7.79	4.50	0.00	1	1	0	2,016	491	8	1,517
27'NB'+20	7.73	2.25	0.00	1	0	0	2,017	491	8	1,518
27'NB'+21.5	7.70	0.00	0.00	0	0	0	2,017	491	8	1,518

STH 21 STAGE 2

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
496'EB'+18.4	7.58	0.00	0.00	0	0	0	0	0	0	0
496'EB'+20	7.74	0.00	0.00	0	0	0	0	0	0	0
496'EB'+21.8	7.92	6.00	0.00	1	0	0	1	0	0	1
496'EB'+25	16.08	12.00	0.00	1	1	0	2	1	0	1
496'EB'+30	30.36	18.00	0.00	4	3	0	6	4	0	2
496'EB'+35	46.64	24.00	0.00	7	4	0	13	8	0	5
496'EB'+40	63.82	29.25	0.00	10	5	0	23	13	0	10
496'EB'+45	81.99	34.50	0.00	14	6	0	37	19	0	18
496'EB'+50	99.27	39.75	0.00	17	7	0	54	26	0	28
496'EB'+55	106.59	38.25	1.54	19	7	0	73	33	0	40
496'EB'+60	100.07	35.25	1.99	19	7	0	92	40	0	52
496'EB'+62.5	99.24	33.75	1.92	9	3	0	101	43	0	58
496'EB'+75	82.33	30.00	1.24	42	15	1	143	58	1	84
497'EB'+00	86.51	25.50	0.00	78	26	1	221	84	2	135
497'EB'+25	82.35	24.00	0.00	78	23	0	299	107	2	190
497'EB'+50	77.62	21.75	0.00	74	21	0	373	128	2	243
497'EB'+75	75.61	21.00	0.00	71	20	0	444	148	2	294
498'EB'+00	75.20	19.50	0.00	70	19	0	514	167	2	345
498'EB'+25	75.64	18.00	0.00	70	17	0	584	184	2	398
498'EB'+50	72.70	14.67	0.00	69	15	0	653	199	2	452
498'EB'+75	68.08	14.25	0.00	65	13	0	718	212	2	504
499'EB'+00	64.03	13.67	0.00	61	13	0	779	225	2	552
499'EB'+25	60.17	13.08	0.00	58	12	0	837	237	2	598
499'EB'+50	56.50	12.67	0.00	54	12	0	891	249	2	640
499'EB'+75	53.26	12.50	0.07	51	12	0	942	261	2	679
500'EB'+00	50.75	12.33	0.59	48	11	0	990	272	2	716
500'EB'+25	48.45	11.92	0.58	46	11	1	1,036	283	3	750
500'EB'+50	49.15	7.75	0.18	45	9	0	1,081	292	3	786
500'EB'+59.1	45.29	7.75	0.98	16	3	0	1,097	295	3	799
500'EB'+75	9.47	0.00	0.21	16	2	0	1,113	297	3	813
501'EB'+00	12.85	0.00	0.00	10	0	0	1,123	297	3	823
501'EB'+25	11.02	0.00	0.00	11	0	0	1,134	297	3	834
501'EB'+50	11.41	0.00	0.00	10	0	0	1,144	297	3	844
501'EB'+75	10.64	0.00	0.00	10	0	0	1,154	297	3	854
502'EB'+00	18.11	0.00	0.00	13	0	0	1,167	297	3	867
502'EB'+25	7.76	0.00	0.00	12	0	0	1,179	297	3	879
502'EB'+50	8.12	0.00	0.00	7	0	0	1,186	297	3	886
502'EB'+75	8.96	0.00	0.17	8	0	0	1,194	297	3	894
503'EB'+00	10.00	0.00	0.23	9	0	0	1,203	297	3	903
503'EB'+25	11.07	0.00	0.00	10	0	0	1,213	297	3	913
503'EB'+50	9.87	0.00	0.00	10	0	0	1,223	297	3	923
503'EB'+75	9.15	0.00	0.09	9	0	0	1,232	297	3	932
504'EB'+00	8.87	0.00	0.20	8	0	0	1,240	297	3	940
504'EB'+25	8.81	0.00	0.14	8	0	0	1,248	297	3	948
504'EB'+50	8.56	0.00	0.10	8	0	0	1,256	297	3	956
504'EB'+75	8.96	0.00	0.00	8	0	0	1,264	297	3	964
505'EB'+00	10.19	0.00	0.00	9	0	0	1,273	297	3	973
505'EB'+25	3.74	0.00	0.00	6	0	0	1,279	297	3	979
505'EB'+50	4.45	0.00	0.00	4	0	0	1,283	297	3	983
505'EB'+75	10.80	0.00	0.00	7	0	0	1,290	297	3	990
506'EB'+00	10.78	0.00	0.00	10	0	0	1,300	297	3	1,000
506'EB'+25	10.66	0.00	0.00	10	0	0	1,310	297	3	1,010
506'EB'+50	9.25	0.00	0.00	9	0	0	1,319	297	3	1,019

STH 21 STAGE 2

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
506'EB'+75	9.89	0.00	0.00	9	0	0	1,328	297	3	1,028
507'EB'+00	10.79	0.00	0.00	10	0	0	1,338	297	3	1,038
507'EB'+25	11.60	0.00	0.00	10	0	0	1,348	297	3	1,048
507'EB'+50	7.52	0.00	0.00	9	0	0	1,357	297	3	1,057
507'EB'+75	5.52	0.00	1.66	6	0	1	1,363	297	5	1,061
508'EB'+00	4.84	0.00	3.20	5	0	2	1,368	297	7	1,064
508'EB'+08.2	4.62	0.00	3.23	1	0	1	1,369	297	8	1,064

STH 13 STAGE 3

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
25'NB'+90.2	44.89	21.00	1.89	0	0	0	0	0	0	0
25'NB'+95	47.32	22.50	2.01	8	4	0	8	4	0	4
26'NB'+00	51.00	24.00	2.58	9	4	0	17	8	0	9
26'NB'+05	54.62	26.25	1.43	10	5	0	27	13	0	14
26'NB'+10	63.80	30.00	1.06	11	5	0	38	18	0	20
26'NB'+15	73.99	33.75	0.79	13	6	0	51	24	0	27
26'NB'+17.7	81.31	42.75	0.61	8	4	0	59	28	0	31
26'NB'+20	88.50	42.00	0.00	7	4	0	66	32	0	34
26'NB'+25	83.28	39.75	0.00	16	8	0	82	40	0	42
26'NB'+30	78.69	37.50	0.00	15	7	0	97	47	0	50
26'NB'+35	74.07	34.50	0.00	14	7	0	111	54	0	57
26'NB'+40	69.56	32.25	0.00	13	6	0	124	60	0	64
26'NB'+45	65.20	30.00	0.00	12	6	0	136	66	0	70
26'NB'+50	66.30	27.75	0.00	12	5	0	148	71	0	77
26'NB'+55	59.87	25.50	0.00	12	5	0	160	76	0	84
26'NB'+60	53.11	23.25	0.00	10	5	0	170	81	0	89
26'NB'+65	46.54	21.00	0.00	9	4	0	179	85	0	94
26'NB'+70	40.37	18.75	0.00	8	4	0	187	89	0	98
26'NB'+75	35.17	16.50	0.00	7	3	0	194	92	0	102
26'NB'+80	30.77	14.25	0.00	6	3	0	200	95	0	105
26'NB'+85	26.14	12.00	0.00	5	2	0	205	97	0	108
26'NB'+90	21.38	9.75	0.00	4	2	0	209	99	0	110
26'NB'+95	16.39	7.50	0.00	3	2	0	212	101	0	111
27'NB'+00	11.80	5.25	0.00	3	1	0	215	102	0	113
27'NB'+05	7.61	3.00	0.00	2	1	0	217	103	0	114
27'NB'+10	3.52	0.75	0.00	1	0	0	218	103	0	115
27'NB'+14.6	0.00	0.00	0.00	0	0	0	218	103	0	115
27'NB'+21.5	0.00	0.00	0.00	0	0	0	218	103	0	115
27'NB'+25	7.56	6.00	0.00	0	0	0	218	103	0	115
27'NB'+30	19.01	12.00	0.00	2	2	0	220	105	0	115
27'NB'+35	30.73	18.00	0.00	5	3	0	225	108	0	117
27'NB'+40	44.11	24.00	0.00	7	4	0	232	112	0	120
27'NB'+45	57.75	30.00	0.00	9	5	0	241	117	0	124

STH 13 STAGE 3

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
27'NB'+50	68.22	31.50	0.00	12	6	0	253	123	0	130
27'NB'+55	65.72	29.25	1.17	12	6	0	265	129	0	136
27'NB'+56.5	63.43	29.25	1.67	4	2	0	269	131	0	138
27'NB'+75	55.42	26.25	1.25	41	19	1	310	150	1	159
28'NB'+00	46.30	22.50	0.42	47	23	1	357	173	2	182
28'NB'+25	40.07	19.50	0.00	40	19	0	397	192	2	203
28'NB'+50	37.74	18.75	0.00	36	18	0	433	210	2	221
28'NB'+75	36.54	18.75	0.00	34	17	0	467	227	2	238
29'NB'+00	35.12	18.00	0.00	33	17	0	500	244	2	254
29'NB'+25	36.62	18.75	0.00	33	17	0	533	261	2	270
29'NB'+50	40.20	18.75	0.00	36	17	0	569	278	2	289
29'NB'+75	43.99	18.00	0.00	39	17	0	608	295	2	311
30'NB'+00	48.11	18.00	0.21	43	17	0	651	312	2	337
30'NB'+25	44.38	18.00	0.47	43	17	0	694	329	2	363
30'NB'+50	42.21	15.75	3.93	40	16	2	734	345	5	384
30'NB'+75	39.63	14.25	6.65	38	14	5	772	359	10	403
31'NB'+00	36.84	12.00	10.08	35	12	8	807	371	20	416
31'NB'+25	34.37	10.00	13.89	33	10	11	840	381	32	427
31'NB'+50	36.81	5.42	9.91	33	7	11	873	388	45	440
31'NB'+75	40.75	10.00	6.77	36	7	8	909	395	54	460
31'NB'+96	44.52	6.25	6.68	33	6	5	942	401	60	481
32'NB'+00	23.27	0.75	6.69	5	1	1	947	402	61	484
32'NB'+25	22.64	0.75	7.51	21	1	7	968	403	69	496
32'NB'+50	21.79	0.75	9.08	21	1	8	989	404	78	507
32'NB'+75	21.06	0.75	10.84	20	1	9	1,009	405	89	515
33'NB'+00	20.65	0.75	11.97	19	1	11	1,028	406	101	521
33'NB'+25	20.27	0.75	13.80	19	1	12	1,047	407	115	525
33'NB'+50	20.37	0.75	21.28	19	1	16	1,066	408	133	525
33'NB'+75	20.40	0.75	16.72	19	1	18	1,085	409	154	522
34'NB'+00	20.10	0.75	14.14	19	1	14	1,104	410	170	524
34'NB'+25	20.27	0.75	5.97	19	1	9	1,123	411	181	531
34'NB'+50	25.69	0.75	0.00	21	1	3	1,144	412	184	548
34'NB'+75	26.29	0.75	0.00	24	1	0	1,168	413	184	571
35'NB'+00	21.82	0.75	0.00	22	1	0	1,190	414	184	592
35'NB'+25	20.35	0.75	5.24	20	1	2	1,210	415	186	609
35'NB'+50	19.60	0.75	6.53	18	1	5	1,228	416	192	620
35'NB'+75	19.03	0.75	8.90	18	1	7	1,246	417	200	629
36'NB'+00	18.75	0.75	11.99	17	1	10	1,263	418	212	633
36'NB'+25	18.83	0.75	14.56	17	1	12	1,280	419	225	636
36'NB'+50	19.37	0.75	13.71	18	1	13	1,298	420	240	638
36'NB'+75	19.42	0.75	13.38	18	1	13	1,316	421	255	640
37'NB'+00	16.73	0.75	12.66	17	1	12	1,333	422	269	642
37'NB'+25	11.40	0.75	10.58	13	1	11	1,346	423	282	641
37'NB'+50	11.46	0.75	3.42	11	1	6	1,357	424	289	644
37'NB'+75	13.68	0.75	0.00	12	1	2	1,369	425	291	653
37'NB'+81.6	14.89	0.75	0.00	3	0	0	1,372	425	291	656

STH 21 STAGE 3

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
491'EB'+40.5	0.00	21.00	0.00	0	0	0	0	0	0	0
491'EB'+50	149.46	20.42	0.21	26	7	0	26	7	0	19
491'EB'+75	157.29	22.75	0.00	142	20	0	168	27	0	141
492'EB'+00	147.44	17.17	0.00	141	18	0	309	45	0	264
492'EB'+25	121.43	22.00	0.00	124	18	0	433	63	0	370
492'EB'+50	119.97	21.25	0.00	112	20	0	545	83	0	462
492'EB'+75	120.42	20.67	0.00	111	19	0	656	102	0	554
493'EB'+00	108.94	22.58	0.00	106	20	0	762	122	0	640
493'EB'+25	108.05	22.25	0.00	100	21	0	862	143	0	719
493'EB'+50	110.89	23.17	0.00	101	21	0	963	164	0	799
493'EB'+75	112.53	25.33	0.00	103	22	0	1,066	186	0	880
494'EB'+00	111.27	27.17	0.00	104	24	0	1,170	210	0	960
494'EB'+25	109.33	30.08	0.06	102	27	0	1,272	237	0	1,035
494'EB'+50	110.25	34.25	0.03	102	30	0	1,374	267	0	1,107
494'EB'+75	115.85	38.75	0.00	105	34	0	1,479	301	0	1,178
494'EB'+91.2	116.02	43.00	0.00	69	24	0	1,548	325	0	1,223
494'EB'+95	113.96	45.75	1.29	16	6	0	1,564	331	0	1,233
495'EB'+00	118.27	48.00	1.14	22	9	0	1,586	340	0	1,246
495'EB'+05	124.41	49.50	1.07	22	9	0	1,608	349	0	1,259
495'EB'+10	131.99	51.75	0.71	24	9	0	1,632	358	0	1,274
495'EB'+15	141.31	55.50	0.58	25	10	0	1,657	368	0	1,289
495'EB'+18	148.75	57.75	0.40	16	6	0	1,673	374	0	1,299
495'EB'+20	154.08	60.00	0.00	11	4	0	1,684	378	0	1,306
495'EB'+25	153.96	60.00	0.00	29	11	0	1,713	389	0	1,324
495'EB'+30	152.84	57.75	0.00	28	11	0	1,741	400	0	1,341
495'EB'+35	152.03	56.25	0.00	28	11	0	1,769	411	0	1,358
495'EB'+40	151.03	54.75	0.00	28	10	0	1,797	421	0	1,376
495'EB'+45	149.72	52.50	0.00	28	10	0	1,825	431	0	1,394
495'EB'+50	146.46	51.00	0.00	27	10	0	1,852	441	0	1,411
495'EB'+55	139.72	49.50	0.00	26	9	0	1,878	450	0	1,428
495'EB'+60	130.13	47.25	0.00	25	9	0	1,903	459	0	1,444
495'EB'+65	109.53	47.25	0.75	22	9	0	1,925	468	0	1,457
495'EB'+70	103.36	45.75	1.02	20	9	0	1,945	477	0	1,468
495'EB'+75	99.53	45.00	1.06	19	8	0	1,964	485	0	1,479
495'EB'+80	98.15	44.25	1.43	18	8	0	1,982	493	0	1,489
495'EB'+83.2	100.72	44.25	2.64	12	5	0	1,994	498	0	1,496
495'EB'+85	102.78	44.25	2.18	7	3	0	2,001	501	0	1,500
495'EB'+90	101.56	45.00	0.00	19	8	0	2,020	509	0	1,511
495'EB'+95	84.11	42.75	0.00	17	8	0	2,037	517	0	1,520
496'EB'+00	65.88	34.50	0.00	14	7	0	2,051	524	0	1,527
496'EB'+05	47.31	25.50	0.00	10	6	0	2,061	530	0	1,531
496'EB'+10	31.33	17.25	0.00	7	4	0	2,068	534	0	1,534
496'EB'+14.9	14.78	9.00	0.00	4	2	0	2,072	536	0	1,536
496'EB'+15	14.47	8.25	0.00	0	0	0	2,072	536	0	1,536
496'EB'+18.2	0.00	0.00	0.00	1	0	0	2,073	536	0	1,537

STH 13 STAGE 4

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
27'NB'+21.5	0.00	0.00	0.00	0	0	0	0	0	0	0
27'NB'+24.7	7.62	2.25	0.00	0	0	0	0	0	0	0
27'NB'+25	7.82	4.50	0.00	0	0	0	0	0	0	0
27'NB'+30	11.69	6.75	0.00	2	1	0	2	1	0	1
27'NB'+35	15.65	9.00	0.00	3	1	0	5	2	0	3
27'NB'+40	19.68	11.25	0.00	3	2	0	8	4	0	4
27'NB'+45	23.77	13.50	0.00	4	2	0	12	6	0	6
27'NB'+50	28.54	15.75	0.00	5	3	0	17	9	0	8
27'NB'+55	32.06	18.00	0.00	6	3	0	23	12	0	11
27'NB'+60	36.19	19.50	0.00	6	3	0	29	15	0	14
27'NB'+65	40.59	21.75	0.00	7	4	0	36	19	0	17
27'NB'+70	45.13	24.00	0.00	8	4	0	44	23	0	21
27'NB'+75	49.81	26.25	0.00	9	5	0	53	28	0	25
27'NB'+80	55.23	28.50	0.00	10	5	0	63	33	0	30
27'NB'+85	61.97	30.75	0.00	11	5	0	74	38	0	36
27'NB'+90	66.37	33.00	0.00	12	6	0	86	44	0	42
27'NB'+95	70.58	35.25	0.00	13	6	0	99	50	0	49
28'NB'+00	76.21	37.50	0.00	14	7	0	113	57	0	56
28'NB'+05	81.88	39.75	0.00	15	7	0	128	64	0	64
28'NB'+10	87.47	42.00	0.00	16	8	0	144	72	0	72
28'NB'+15	93.16	44.25	0.00	17	8	0	161	80	0	81
28'NB'+20	99.75	44.25	0.00	18	8	0	179	88	0	91
28'NB'+25	90.39	39.75	0.00	18	8	0	197	96	0	101
28'NB'+30	85.00	36.00	0.21	16	7	0	213	103	0	110
28'NB'+34.2	81.70	34.50	0.00	13	5	0	226	108	0	118
28'NB'+50	81.99	30.00	0.00	48	19	0	274	127	0	147
28'NB'+75	66.46	25.50	0.00	69	26	0	343	153	0	190
29'NB'+00	63.52	23.25	0.00	60	23	0	403	176	0	227
29'NB'+25	59.87	22.42	0.00	57	21	0	460	197	0	263
29'NB'+50	57.28	18.42	0.00	54	19	0	514	216	0	298
29'NB'+75	55.72	17.42	0.00	52	17	0	566	233	0	333
30'NB'+00	54.01	16.75	0.00	51	16	0	617	249	0	368
30'NB'+25	53.69	16.75	0.00	50	16	0	667	265	0	402
30'NB'+50	53.64	16.83	0.00	50	16	0	717	281	0	436
30'NB'+75	53.30	15.58	0.00	50	15	0	767	296	0	471
31'NB'+00	53.09	17.00	0.00	49	15	0	816	311	0	505
31'NB'+25	54.67	16.67	0.00	50	16	0	866	327	0	539
31'NB'+50	60.18	12.00	0.00	53	13	0	919	340	0	579
31'NB'+75	63.29	12.00	0.00	57	11	0	976	351	0	625
31'NB'+96.3	34.59	12.00	0.00	39	9	0	1,015	360	0	655
32'NB'+00	34.61	6.25	0.00	5	1	0	1,020	361	0	659
32'NB'+25	34.72	6.25	0.00	32	6	0	1,052	367	0	685
32'NB'+50	34.72	6.25	0.00	32	6	0	1,084	373	0	711
32'NB'+75	34.68	6.25	0.00	32	6	0	1,116	379	0	737
33'NB'+00	34.33	6.25	0.00	32	6	0	1,148	385	0	763
33'NB'+25	34.24	6.25	0.00	32	6	0	1,180	391	0	789
33'NB'+50	35.20	6.25	0.00	32	6	0	1,212	397	0	815
33'NB'+75	36.10	6.25	0.00	33	6	0	1,245	403	0	842
34'NB'+00	36.52	6.25	0.00	34	6	0	1,279	409	0	870
34'NB'+25	36.68	6.25	0.00	34	6	0	1,313	415	0	898

STH 13 STAGE 4

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
34'NB'+50	36.96	6.25	0.00	34	6	0	1,347	421	0	926
34'NB'+75	36.82	6.25	0.00	34	6	0	1,381	427	0	954
35'NB'+00	36.30	6.25	0.00	34	6	0	1,415	433	0	982
35'NB'+25	35.21	6.25	0.00	33	6	0	1,448	439	0	1,009
35'NB'+50	32.30	5.42	0.00	31	5	0	1,479	444	0	1,035
35'NB'+75	28.45	4.58	0.00	28	5	0	1,507	449	0	1,058
36'NB'+00	24.27	3.75	0.00	24	4	0	1,531	453	0	1,078
36'NB'+25	19.99	2.92	0.00	20	3	0	1,551	456	0	1,095
36'NB'+50	15.32	2.08	0.00	16	2	0	1,567	458	0	1,109
36'NB'+75	9.59	1.25	0.00	12	2	0	1,579	460	0	1,119
37'NB'+00	9.31	0.42	0.06	9	1	0	1,588	461	0	1,127
37'NB'+06.6	0.38	0.00	0.02	1	0	0	1,589	461	0	1,128

STH 21 STAGE 4

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
496'EB'+25.1	0.00	0.00	0.00	0	0	0	0	0	0	0
496'EB'+30	4.06	0.00	0.00	0	0	0	0	0	0	0
496'EB'+35	8.51	2.25	0.00	1	0	0	1	0	0	1
496'EB'+40	13.25	5.25	0.00	2	1	0	3	1	0	2
496'EB'+45	18.17	7.50	0.00	3	1	0	6	2	0	4
496'EB'+50	23.38	9.75	0.00	4	2	0	10	4	0	6
496'EB'+55	28.58	12.00	0.00	5	2	0	15	6	0	9
496'EB'+60	33.85	14.25	0.00	6	2	0	21	8	0	13
496'EB'+65	39.13	16.50	0.00	7	3	0	28	11	0	17
496'EB'+70	44.39	18.75	0.00	8	3	0	36	14	0	22
496'EB'+75	53.44	21.00	0.00	9	4	0	45	18	0	27
496'EB'+80	64.00	23.25	0.00	11	4	0	56	22	0	34
496'EB'+85	72.67	25.50	0.00	13	5	0	69	27	0	42
496'EB'+90	79.39	27.75	0.00	14	5	0	83	32	0	51
496'EB'+95	82.73	30.75	0.00	15	5	0	98	37	0	61
497'EB'+00	85.48	33.00	0.00	16	6	0	114	43	0	71
497'EB'+05	88.20	35.25	0.00	16	6	0	130	49	0	81
497'EB'+10	91.21	37.50	0.00	17	7	0	147	56	0	91
497'EB'+15	94.19	39.75	0.00	17	7	0	164	63	0	101
497'EB'+20	97.73	39.75	0.00	18	7	0	182	70	0	112
497'EB'+25	86.98	34.50	0.00	17	7	0	199	77	0	122
497'EB'+30	80.94	31.50	0.09	16	6	0	215	83	0	132
497'EB'+34.5	75.85	28.50	0.25	13	5	0	228	88	0	140
497'EB'+35	74.54	28.50	0.26	1	0	0	229	88	0	141
497'EB'+40	63.77	27.00	0.63	13	5	0	242	93	0	149
497'EB'+45	57.55	25.50	0.81	11	5	0	253	98	0	155
497'EB'+50	52.93	24.00	1.32	10	5	0	263	103	0	160
497'EB'+55	55.73	22.50	0.00	10	4	0	273	107	0	166
497'EB'+60	50.81	21.50	0.00	10	4	0	283	111	0	172
497'EB'+65	50.04	20.75	0.00	9	4	0	292	115	0	177

STH 21 STAGE 4

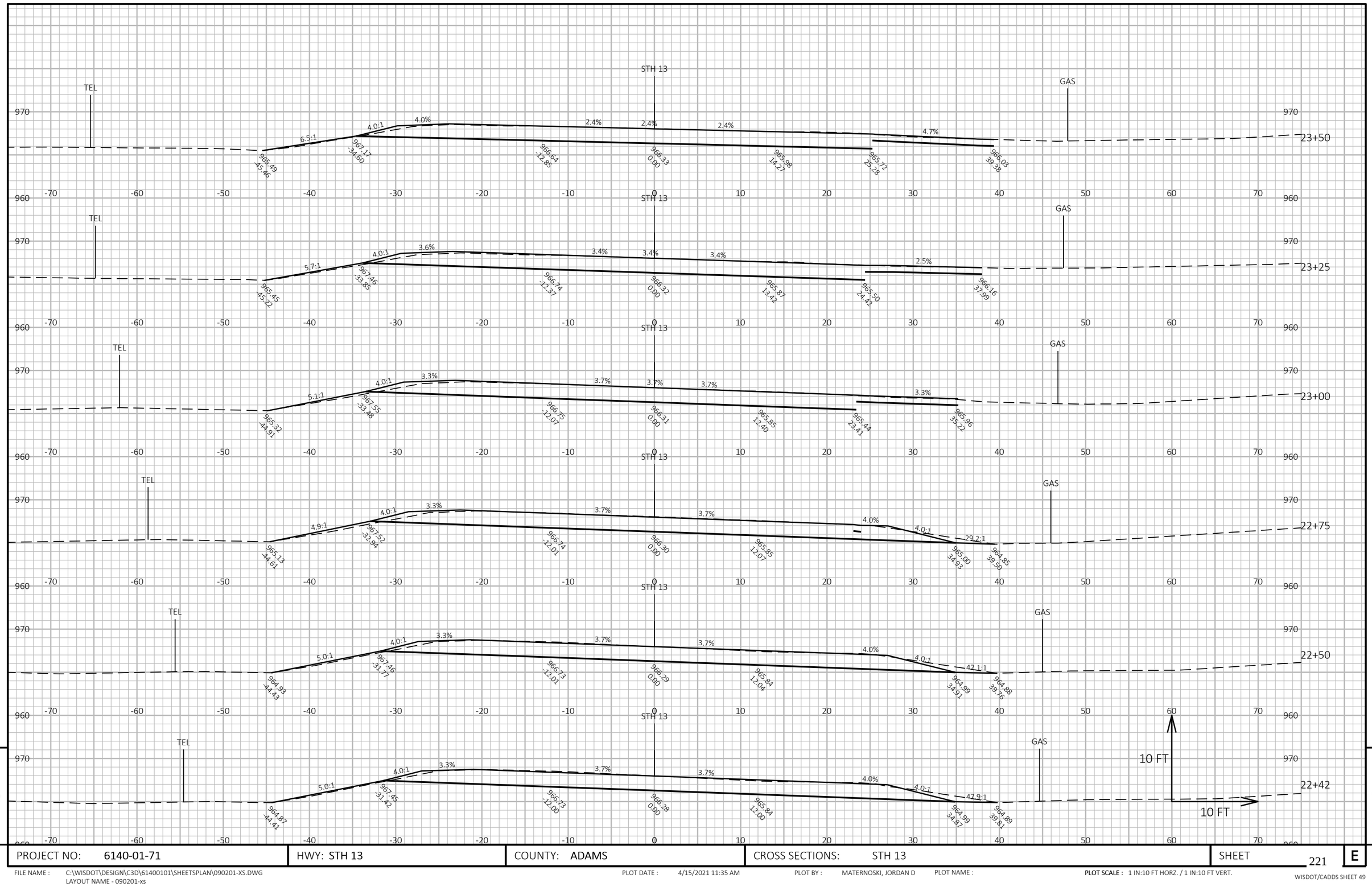
STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
497'EB'+67.5	49.53	20.00	0.00	5	2	0	297	117	0	180
497'EB'+75	49.47	18.50	0.00	14	5	0	311	122	0	189
498'EB'+00	49.81	15.75	0.00	46	16	0	357	138	0	219
498'EB'+25	49.56	12.00	0.00	46	13	0	403	151	0	252
498'EB'+50	51.24	12.25	0.00	47	11	0	450	162	0	288
498'EB'+75	51.51	11.75	0.00	48	11	0	498	173	0	325
499'EB'+00	51.34	11.50	0.00	48	11	0	546	184	0	362
499'EB'+25	50.47	11.00	0.00	47	10	0	593	194	0	399
499'EB'+50	50.84	11.00	0.00	47	10	0	640	204	0	436
499'EB'+75	51.47	11.25	0.00	47	10	0	687	214	0	473
500'EB'+00	52.04	11.25	0.00	48	10	0	735	224	0	511
500'EB'+25	53.11	11.50	0.00	49	11	0	784	235	0	549
500'EB'+50	54.12	11.50	0.00	50	11	0	834	246	0	588
500'EB'+59.1	7.90	7.50	0.02	10	3	0	844	249	0	595
500'EB'+75	7.83	2.92	0.01	5	3	0	849	252	0	597
501'EB'+00	7.67	2.92	0.01	7	3	0	856	255	0	601
501'EB'+25	7.40	2.50	0.00	7	3	0	863	258	0	605
501'EB'+50	6.96	2.50	0.00	7	2	0	870	260	0	610
501'EB'+75	6.38	2.50	0.00	6	2	0	876	262	0	614
502'EB'+00	5.85	2.50	0.00	6	2	0	882	264	0	618
502'EB'+25	5.44	2.08	0.00	5	2	0	887	266	0	621
502'EB'+50	5.39	2.08	0.00	5	2	0	892	268	0	624
502'EB'+75	5.13	2.08	0.00	5	2	0	897	270	0	627
503'EB'+00	4.85	2.08	0.00	5	2	0	902	272	0	630
503'EB'+25	4.56	1.67	0.00	4	2	0	906	274	0	632
503'EB'+50	4.25	1.67	0.00	4	2	0	910	276	0	634
503'EB'+75	0.00	1.67	0.00	2	2	0	912	278	0	634
503'EB'+90	3.77	1.67	0.00	1	1	0	913	279	0	634
504'EB'+93.3	2.28	1.25	0.00	12	6	0	925	285	0	640
505'EB'+00	2.27	1.25	0.00	1	0	0	926	285	0	641
505'EB'+25	2.20	1.25	0.00	2	1	0	928	286	0	642
505'EB'+50	2.53	1.25	0.00	2	1	0	930	287	0	643
505'EB'+75	2.35	1.25	0.00	2	1	0	932	288	0	644
506'EB'+00	1.83	1.25	0.00	2	1	0	934	289	0	645
506'EB'+25	1.30	1.25	0.00	1	1	0	935	290	0	645
506'EB'+50	1.27	1.25	0.00	1	1	0	936	291	0	645
506'EB'+75	1.24	1.25	0.00	1	1	0	937	292	0	645
507'EB'+00	1.12	1.25	0.00	1	1	0	938	293	0	645
507'EB'+25	1.12	1.25	0.00	1	1	0	939	294	0	645
507'EB'+50	0.32	1.25	0.00	1	1	0	940	295	0	645
507'EB'+75	0.08	0.83	0.08	0	1	0	940	296	0	644
508'EB'+00	0.06	0.83	0.67	0	1	0	940	297	0	643
508'EB'+08.3	0.00	0.42	0.00	0	0	0	940	297	0	643

STH 13 STAGE 5

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
30'NB'+21.2	9.32	0.00	0.00	0	0	0	0	0	0	0
30'NB'+25	10.03	0.00	0.00	1	0	0	1	0	0	1
30'NB'+50	15.12	0.83	0.00	12	0	0	13	0	0	13
30'NB'+75	21.79	1.67	0.00	17	1	0	30	1	0	29
31'NB'+00	28.88	2.50	0.00	23	2	0	53	3	0	50
31'NB'+25	36.61	3.33	0.00	30	3	0	83	6	0	77
31'NB'+50	34.00	4.17	0.00	33	3	0	116	9	0	107
31'NB'+75	31.45	5.00	0.00	30	4	0	146	13	0	133
32'NB'+00	31.03	5.83	0.00	29	5	0	175	18	0	157
32'NB'+25	31.45	5.83	0.00	29	5	0	204	23	0	181
32'NB'+50	31.86	5.83	0.00	29	5	0	233	28	0	205
32'NB'+75	32.26	5.83	0.00	30	5	0	263	33	0	230
33'NB'+00	32.05	5.83	0.00	30	5	0	293	38	0	255
33'NB'+25	31.36	5.83	0.00	29	5	0	322	43	0	279
33'NB'+50	30.57	5.83	0.00	29	5	0	351	48	0	303
33'NB'+75	30.21	5.83	0.00	28	5	0	379	53	0	326
34'NB'+00	30.04	5.83	0.00	28	5	0	407	58	0	349
34'NB'+25	29.96	5.83	0.00	28	5	0	435	63	0	372
34'NB'+33.2	28.56	5.83	0.00	9	2	0	444	65	0	379
35'NB'+00	30.62	5.83	0.00	73	14	0	517	79	0	438
35'NB'+25	30.82	5.83	0.00	28	5	0	545	84	0	461
35'NB'+50	30.33	5.83	0.00	28	5	0	573	89	0	484
35'NB'+75	30.45	5.83	0.00	28	5	0	601	94	0	507
36'NB'+00	30.86	5.83	0.00	28	5	0	629	99	0	530
36'NB'+25	31.53	5.83	0.00	29	5	0	658	104	0	554
36'NB'+50	32.00	5.83	0.00	29	5	0	687	109	0	578
36'NB'+75	32.60	5.83	0.00	30	5	0	717	114	0	603
37'NB'+00	28.67	5.42	0.00	28	5	0	745	119	0	626
37'NB'+25	22.15	4.58	0.00	24	5	0	769	124	0	645
37'NB'+50	15.87	3.33	0.45	18	4	0	787	128	0	659
37'NB'+75	11.27	2.50	1.68	13	3	1	800	131	1	668
37'NB'+81.6	10.03	1.25	0.92	3	0	0	803	131	1	671

STH 21 STAGE 5

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EXPANDED FILL 1.15	MASS ORDINATE
501'EB'+90.7	5.75	2.08	0.20	0	0	0	0	0	0	0
502'EB'+00	12.32	2.08	0.00	3	1	0	3	1	0	2
502'EB'+25	13.91	2.08	0.00	12	2	0	15	3	0	12
502'EB'+50	13.37	1.67	0.00	13	2	0	28	5	0	23
502'EB'+75	12.85	1.67	0.00	12	2	0	40	7	0	33
503'EB'+00	12.35	1.67	0.00	12	2	0	52	9	0	43
503'EB'+25	11.86	1.67	0.00	11	2	0	63	11	0	52
503'EB'+50	11.51	1.67	0.00	11	2	0	74	13	0	61
503'EB'+75	11.15	1.67	0.00	10	2	0	84	15	0	69
504'EB'+00	10.76	1.25	0.00	10	1	0	94	16	0	78
504'EB'+25	10.36	1.25	0.00	10	1	0	104	17	0	87
504'EB'+50	9.90	1.25	0.00	9	1	0	113	18	0	95
504'EB'+75	9.45	1.25	0.00	9	1	0	122	19	0	103
505'EB'+00	9.00	1.25	0.00	9	1	0	131	20	0	111
505'EB'+19.5	11.13	1.25	0.00	7	1	0	138	21	0	117
505'EB'+51.6	0.00	1.25	0.00	7	1	0	145	22	0	123
505'EB'+75	9.31	1.25	0.04	4	1	0	149	23	0	126
506'EB'+00	9.45	1.25	0.00	9	1	0	158	24	0	134
506'EB'+25	9.26	1.25	0.00	9	1	0	167	25	0	142
506'EB'+50	9.21	0.83	0.00	9	1	0	176	26	0	150
506'EB'+75	9.15	0.83	0.00	9	1	0	185	27	0	158
507'EB'+00	9.14	0.83	0.00	8	1	0	193	28	0	165
507'EB'+25	9.08	0.83	0.00	8	1	0	201	29	0	172
507'EB'+50	8.17	0.83	0.00	8	1	0	209	30	0	179
507'EB'+75	7.74	0.42	0.11	7	1	0	216	31	0	185
508'EB'+00	7.37	0.42	0.47	7	0	0	223	31	0	192
508'EB'+08.2	7.24	0.00	0.62	2	0	0	225	31	0	194



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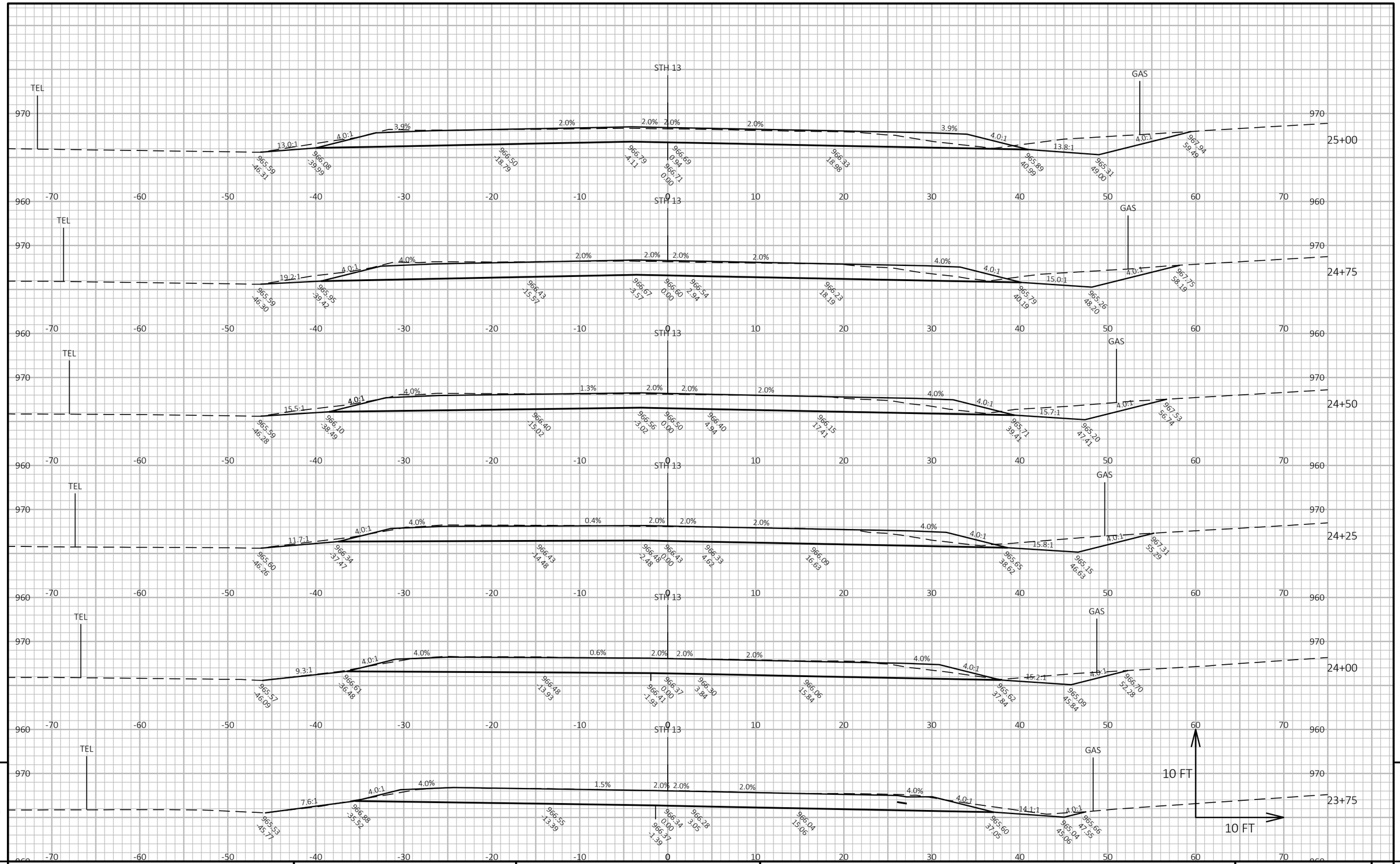
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13	SHEET 221	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 4/15/2021 11:35 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13	SHEET 222	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090202-xs

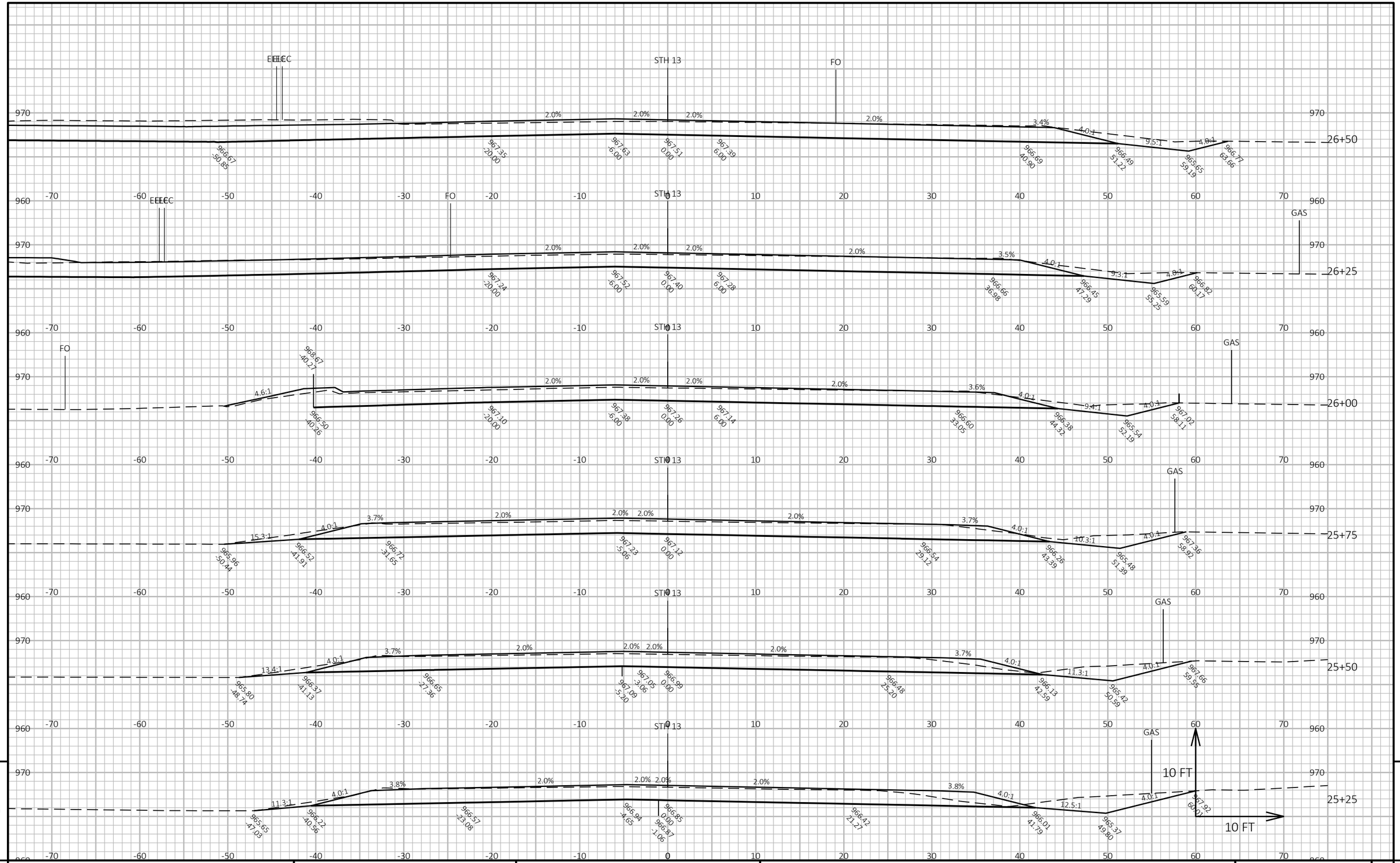
PLOT DATE : 4/15/2021 11:35 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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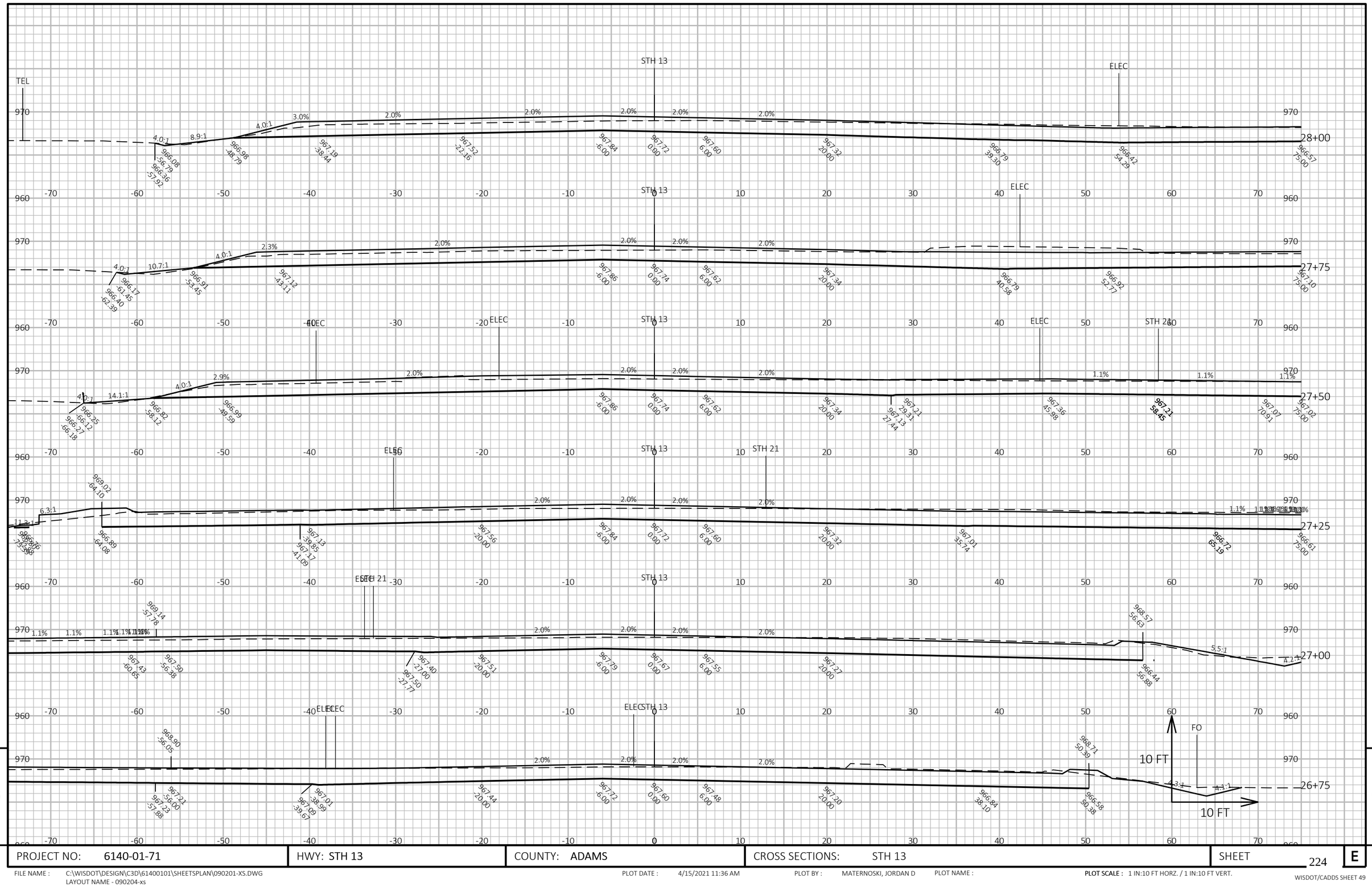
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13	SHEET 223	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 4/15/2021 11:36 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13	SHEET 224	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090204-xs

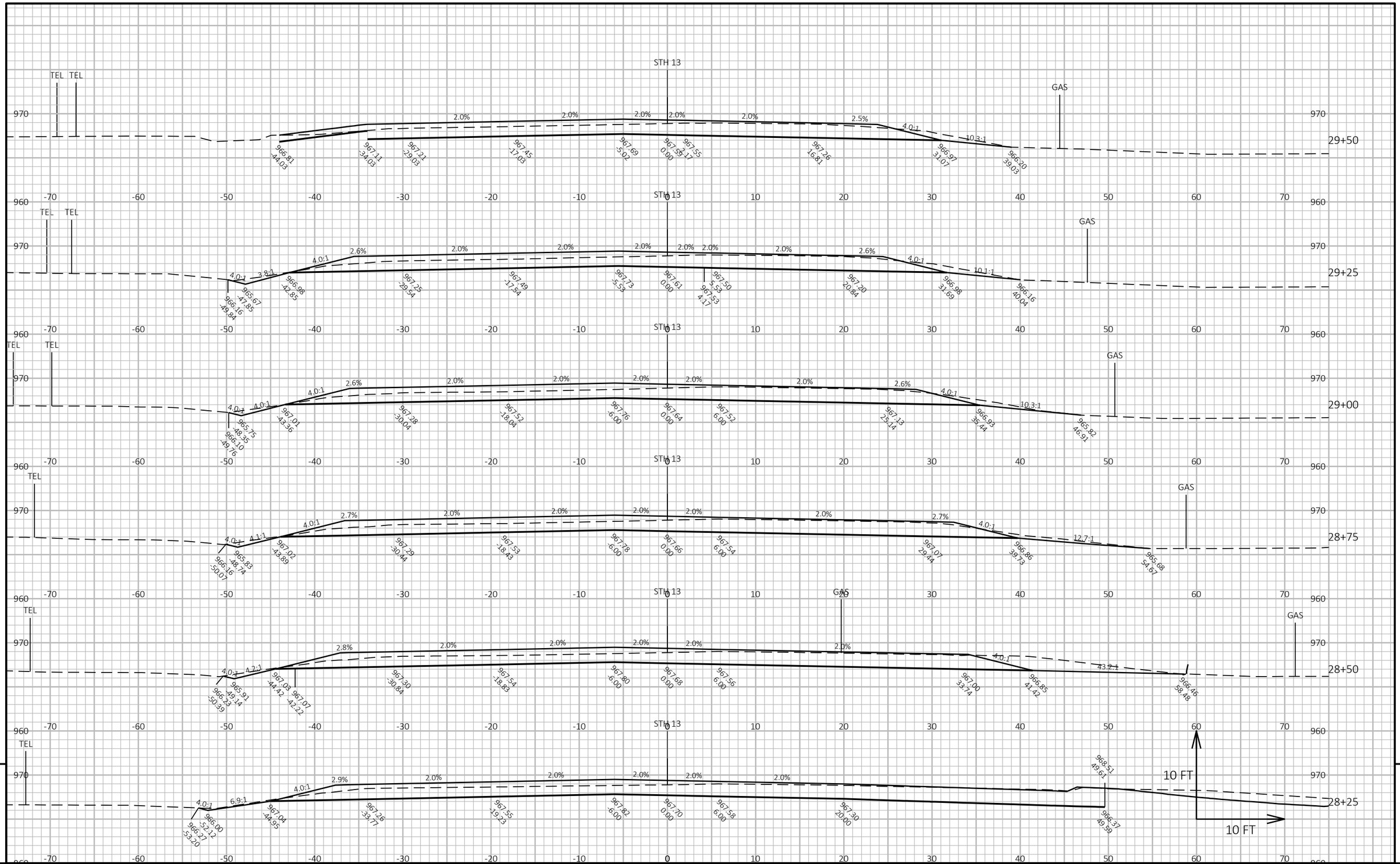
PLOT DATE : 4/15/2021 11:36 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13	SHEET 225	E

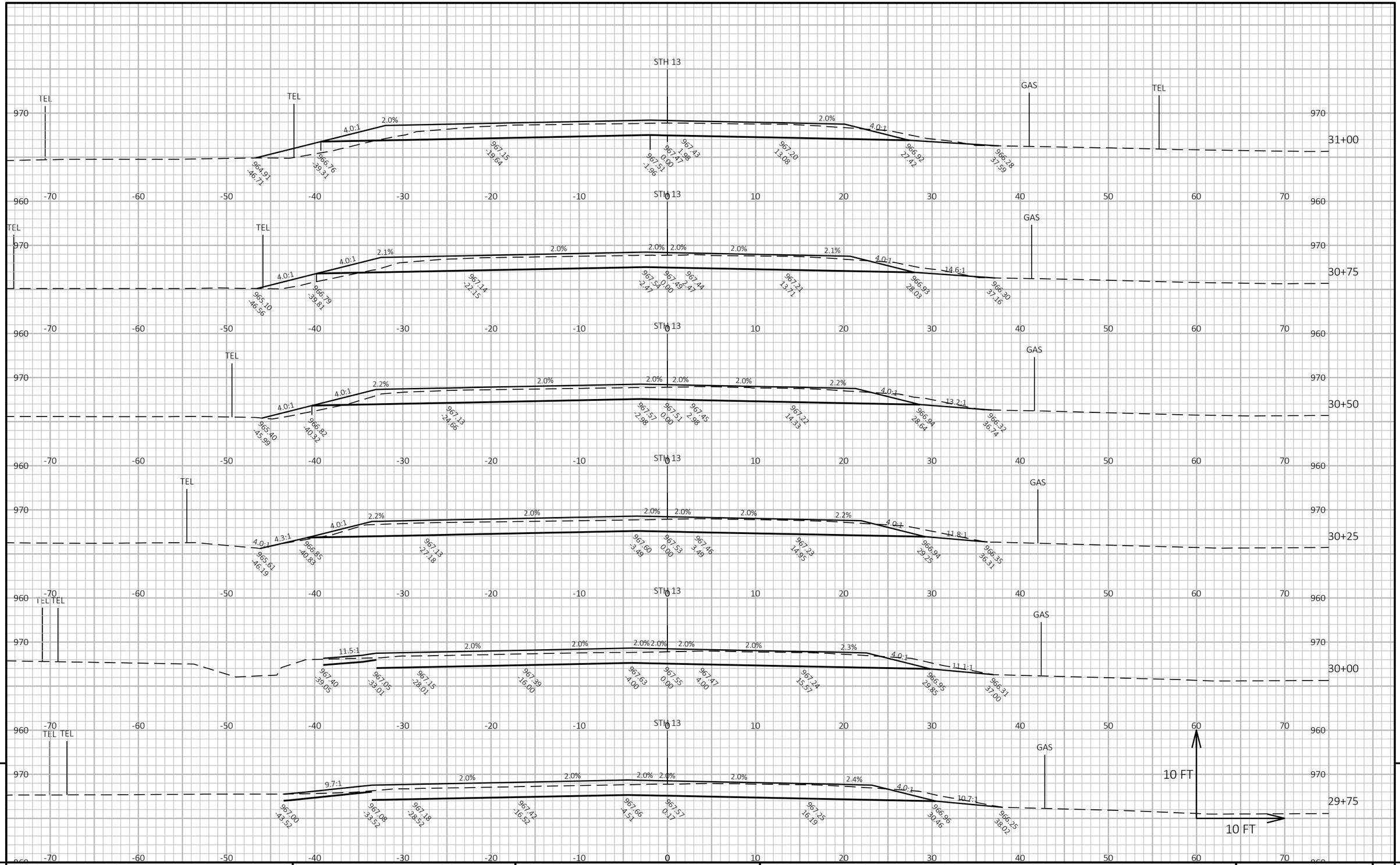
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LAYOUT NAME - 090205-xs

PLOT DATE : 4/15/2021 11:36 AM PLOT BY : MATERNOSKI, JORDAN D 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: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13	SHEET 226 E

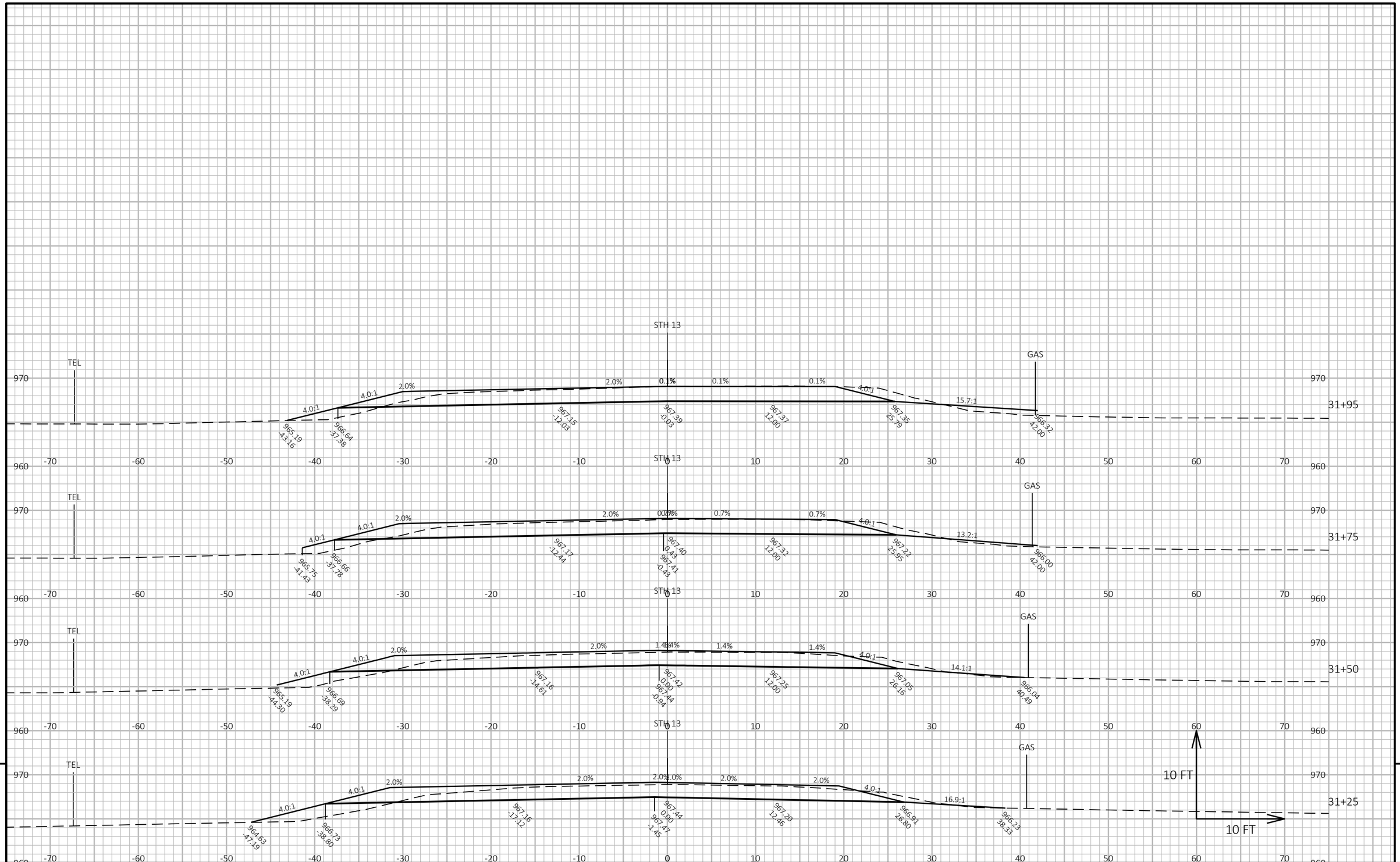
FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 4/15/2021 11:36 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13	SHEET 227	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090207-xs

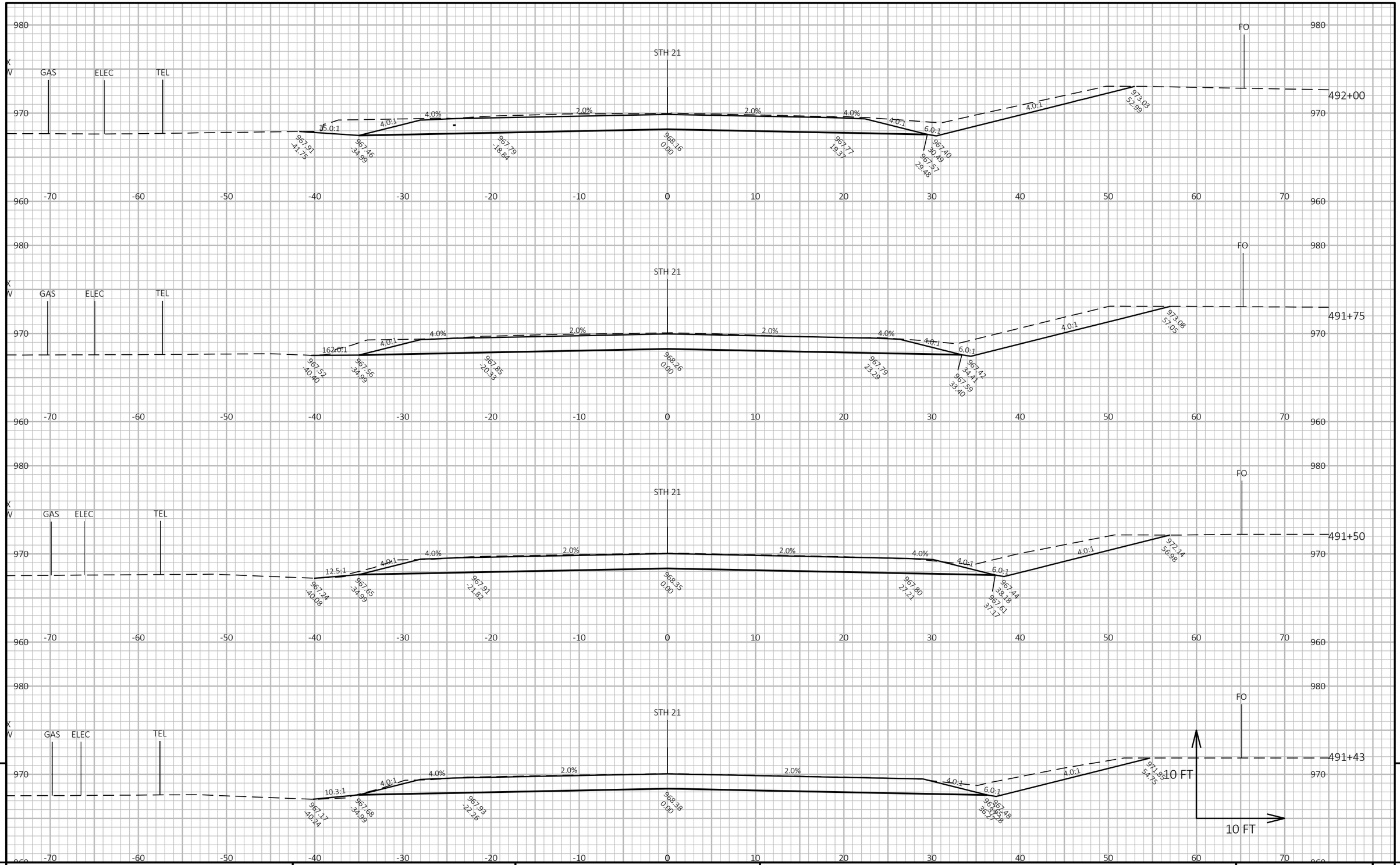
PLOT DATE : 4/15/2021 11:36 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21	SHEET 228	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090208-xs

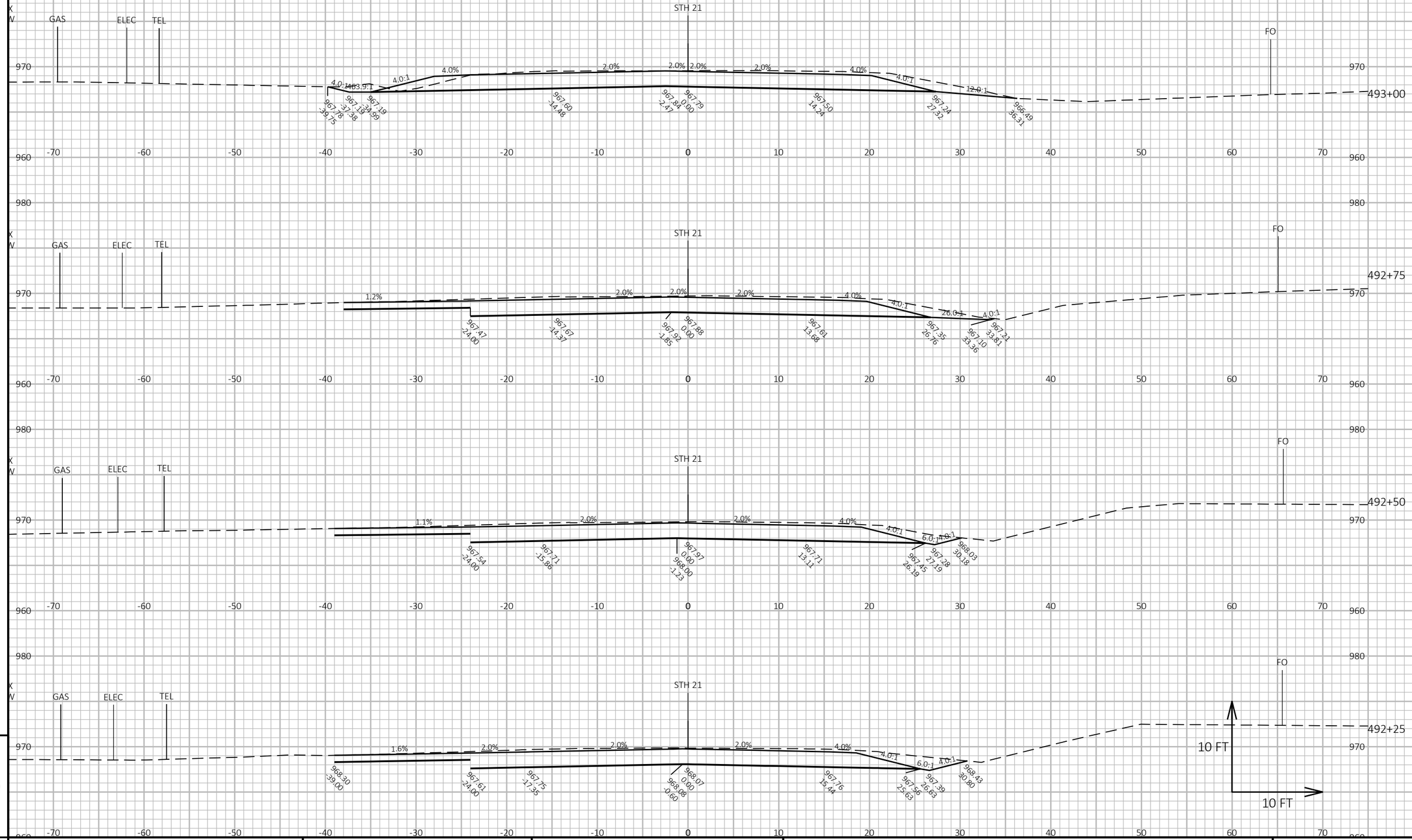
PLOT DATE : 4/15/2021 11:36 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



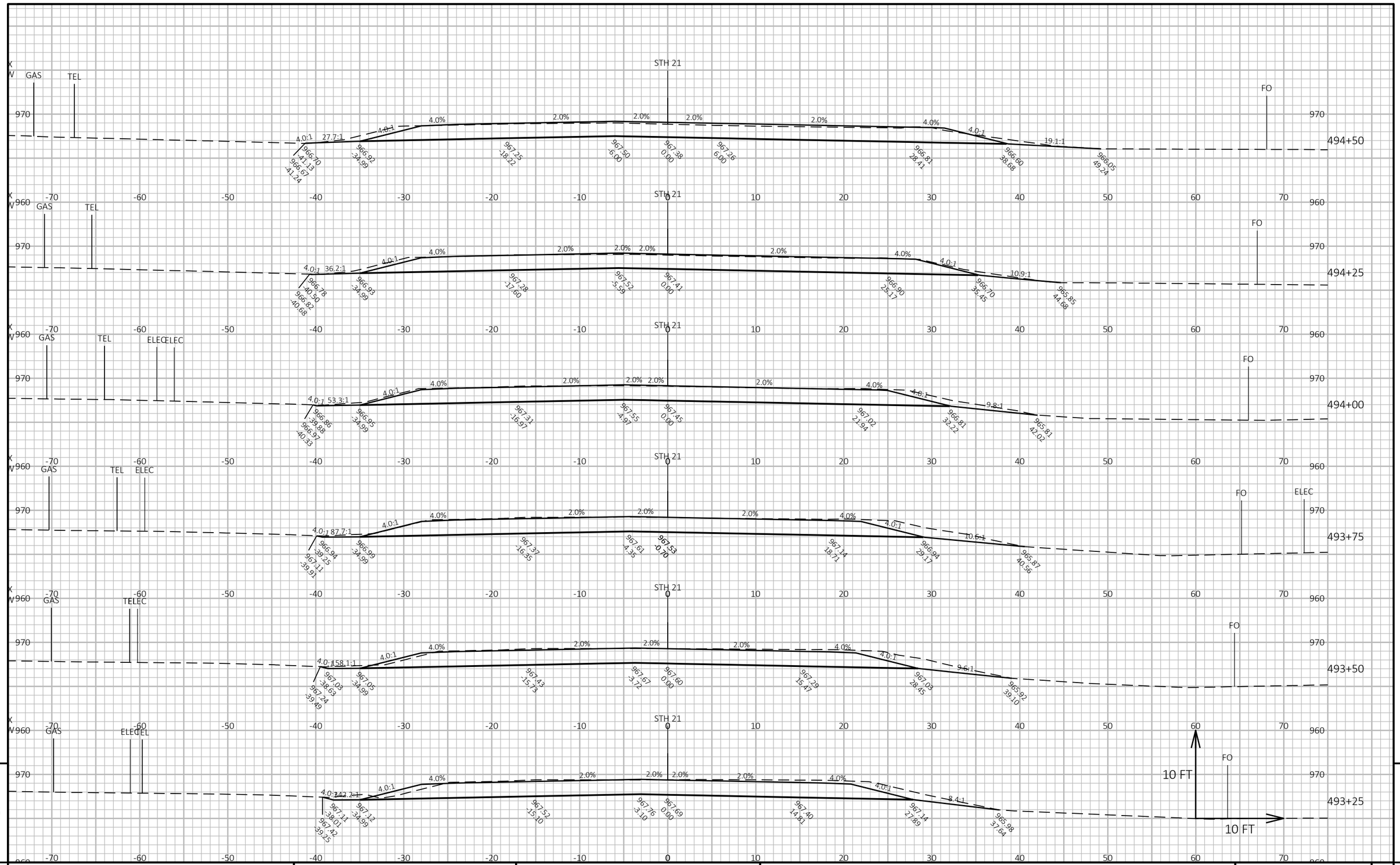
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21	SHEET 229	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 4/15/2021 11:36 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

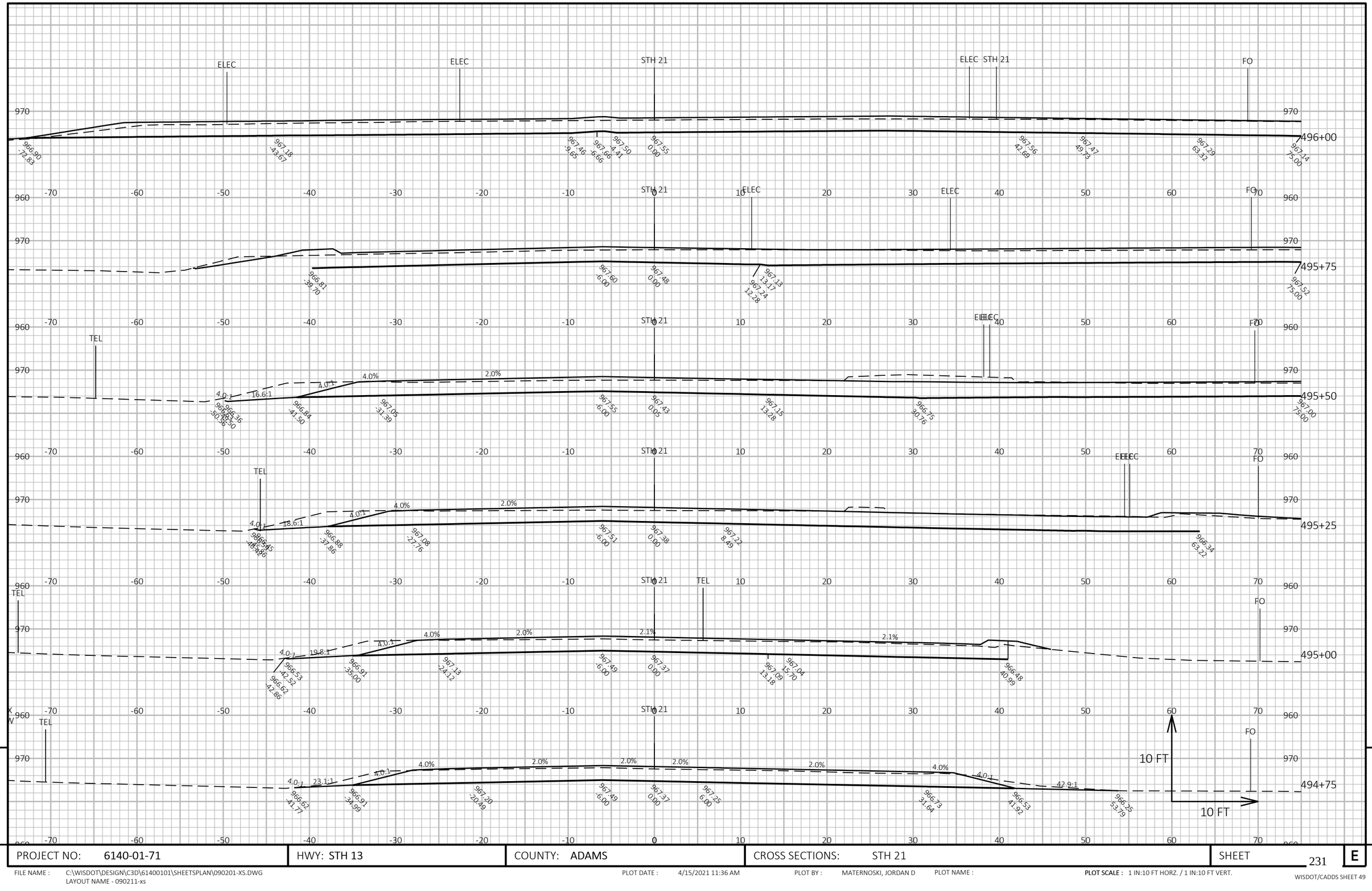


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21	SHEET 230 E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 4/15/2021 11:36 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21	SHEET 231	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090211-xs

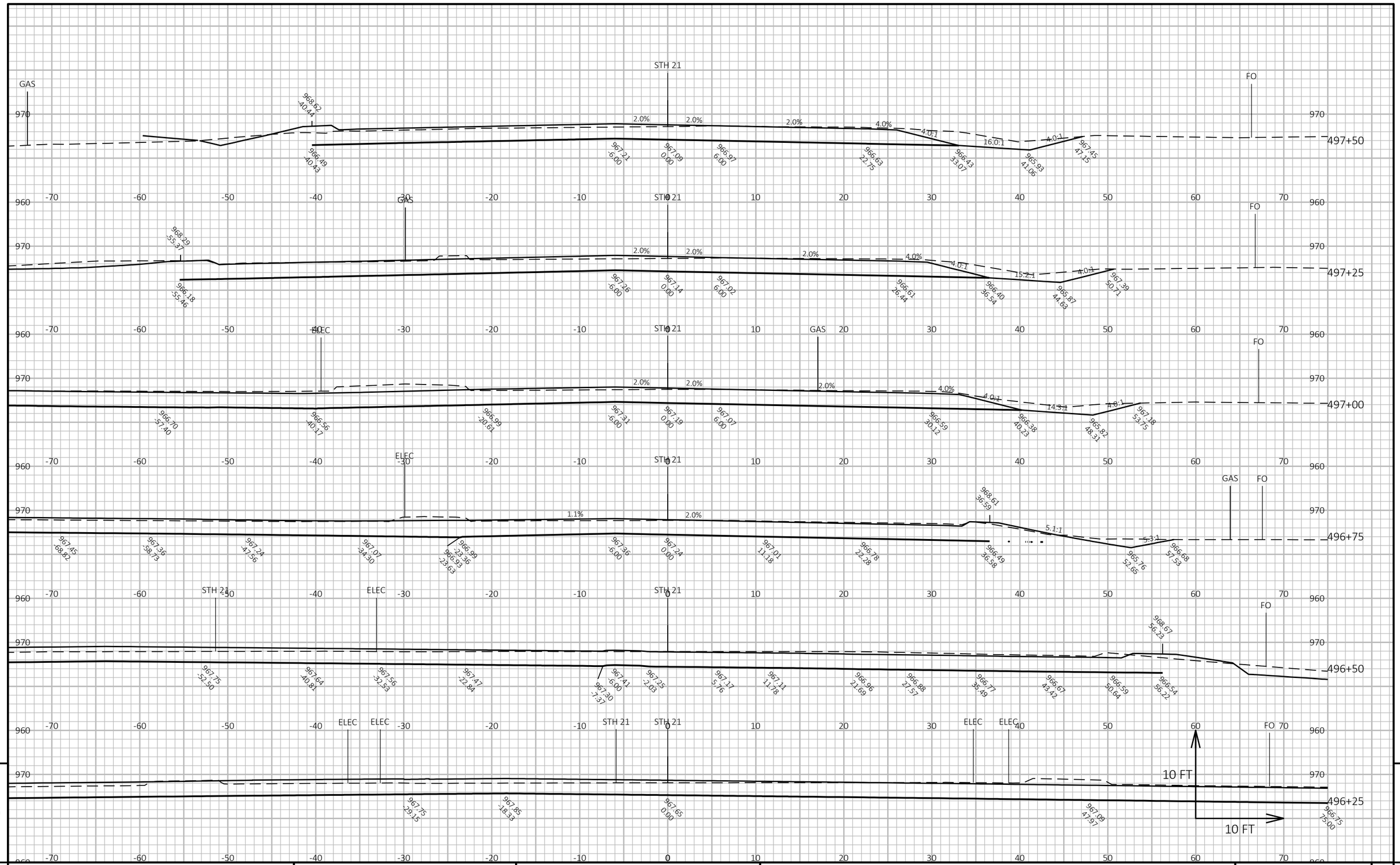
PLOT DATE : 4/15/2021 11:36 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



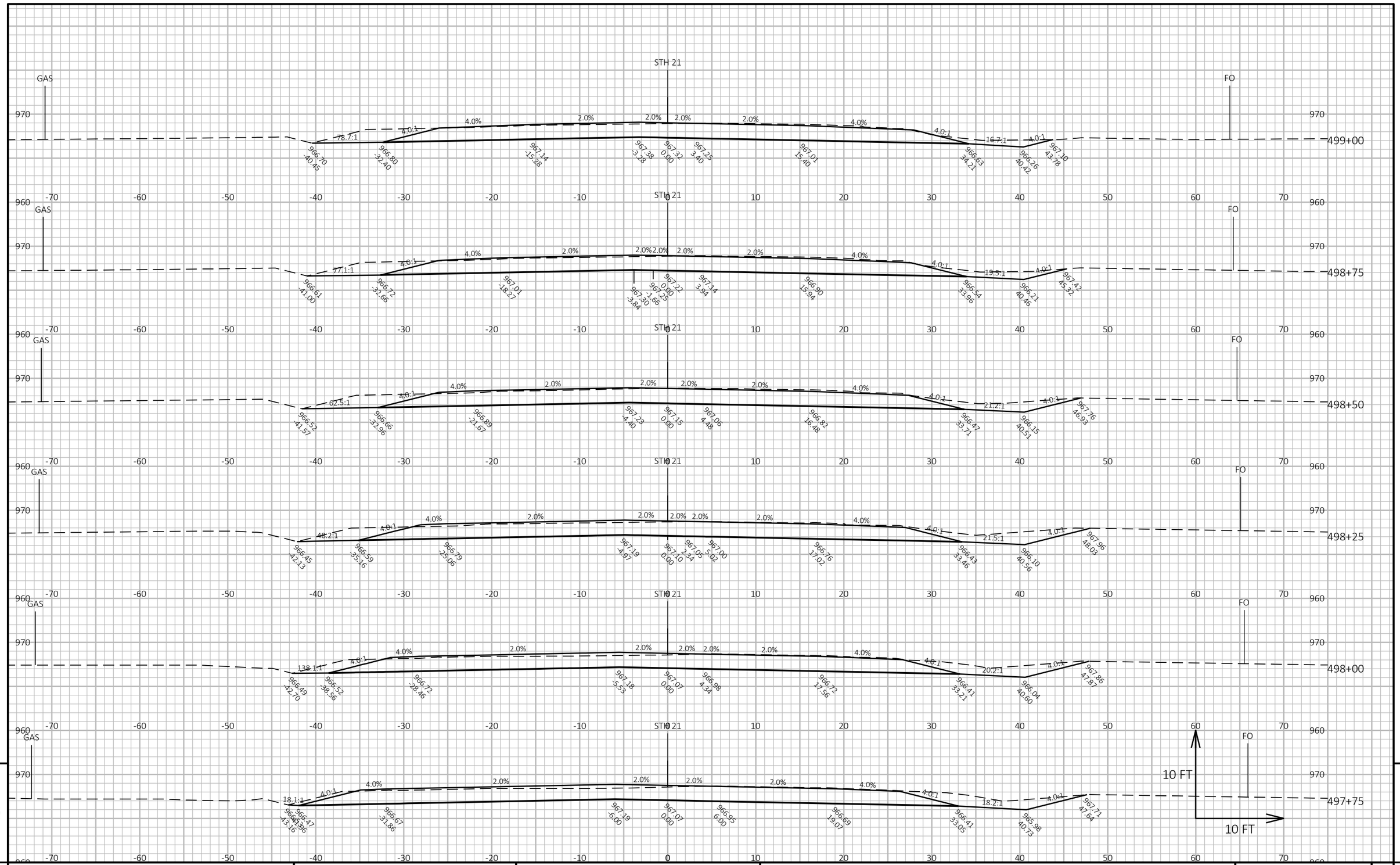
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 4/15/2021 11:36 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21	SHEET 233	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090213-xs

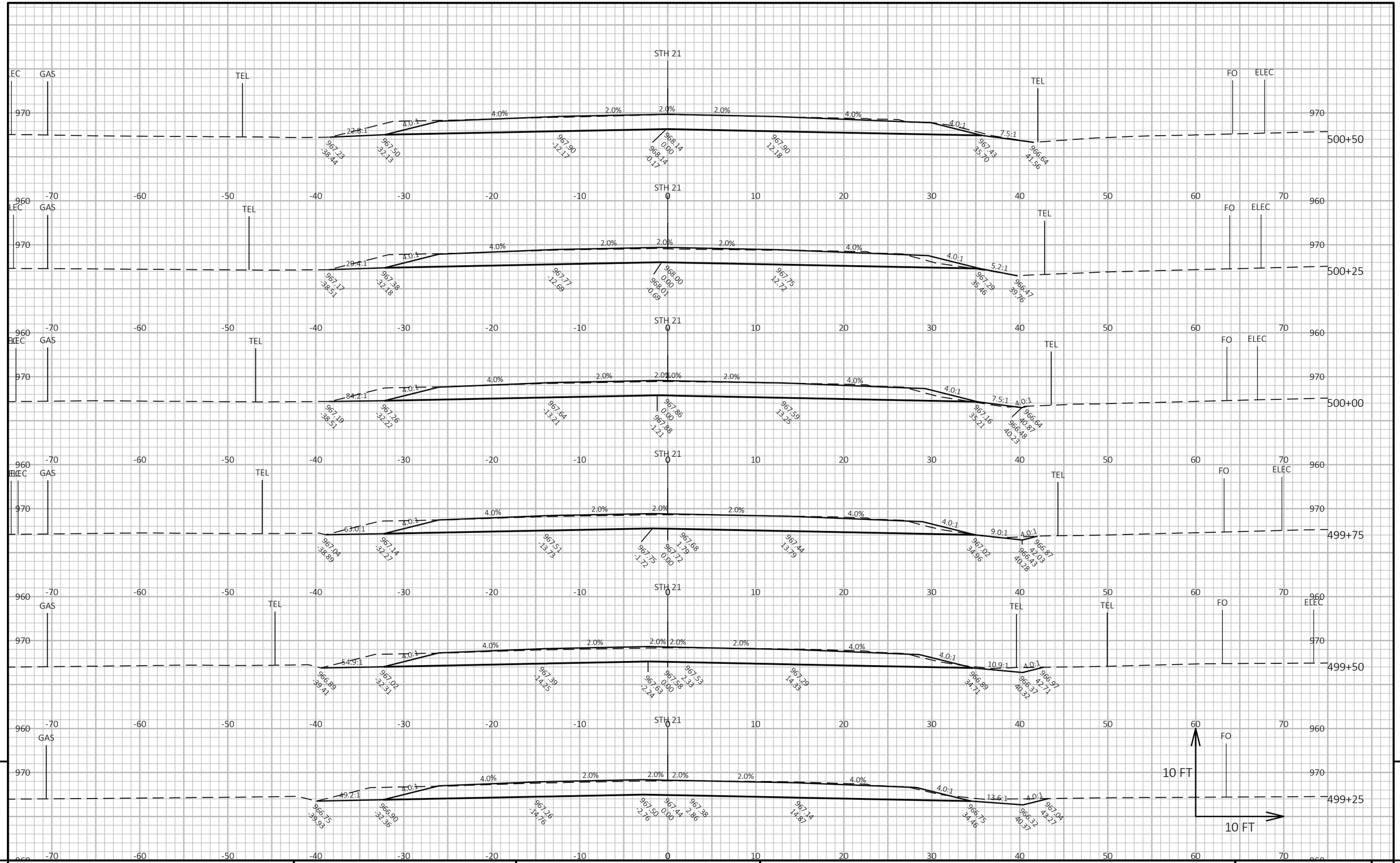
PLOT DATE : 4/15/2021 11:36 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21	SHEET 234	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090214-xs

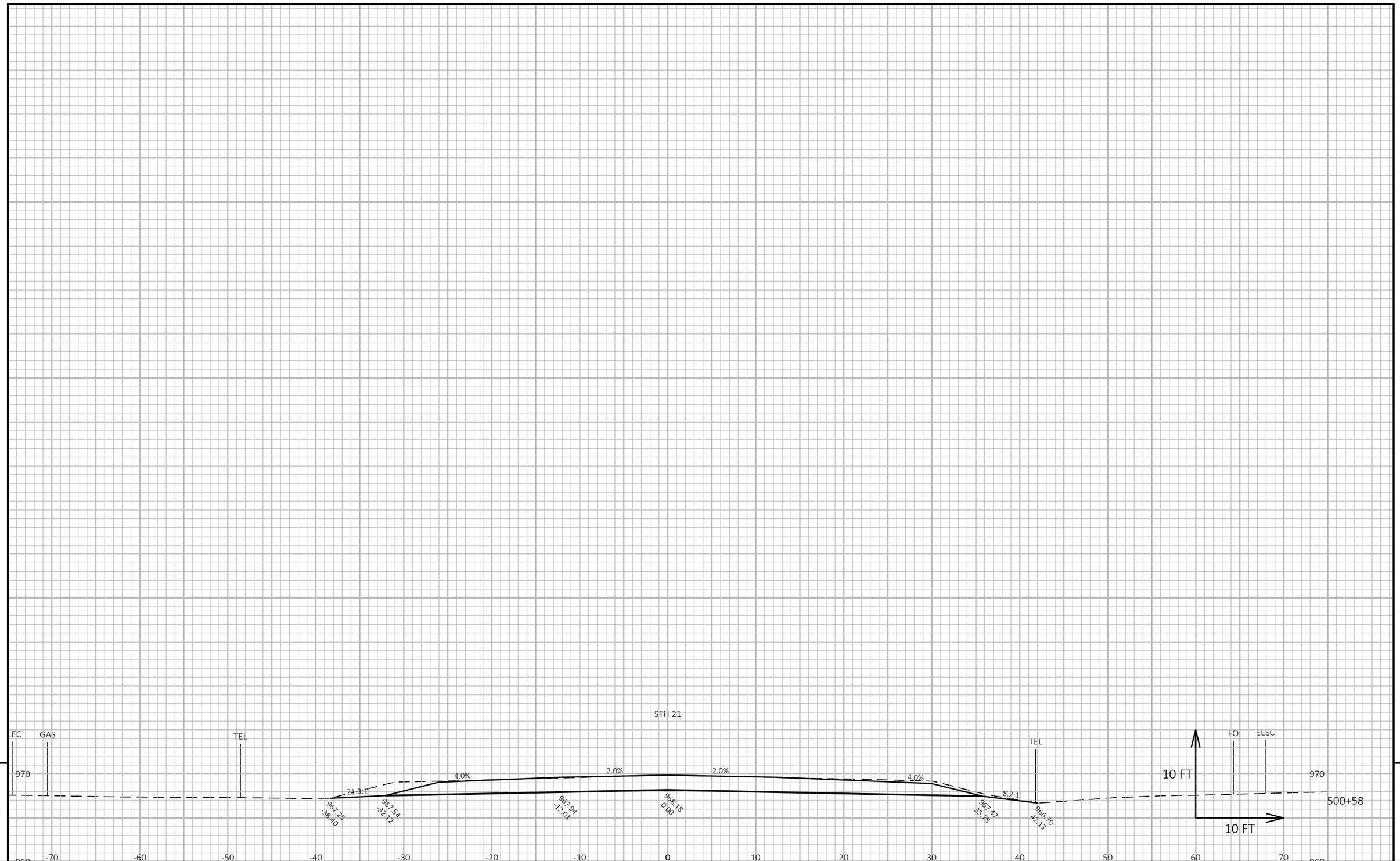
PLOT DATE : 4/15/2021 11:36 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



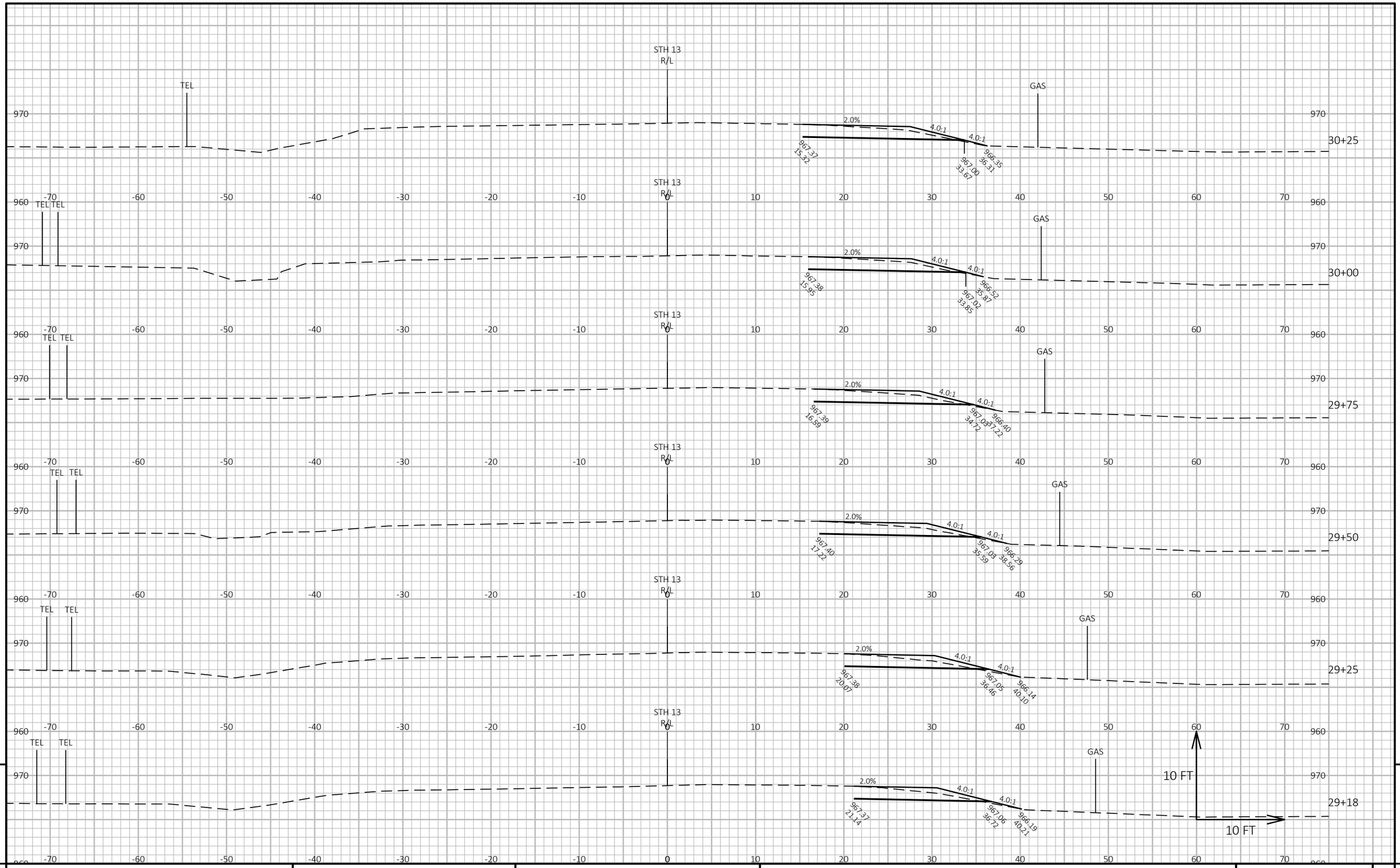
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21	SHEET 235	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090215-xs

PLOT DATE : 4/15/2021 11:36 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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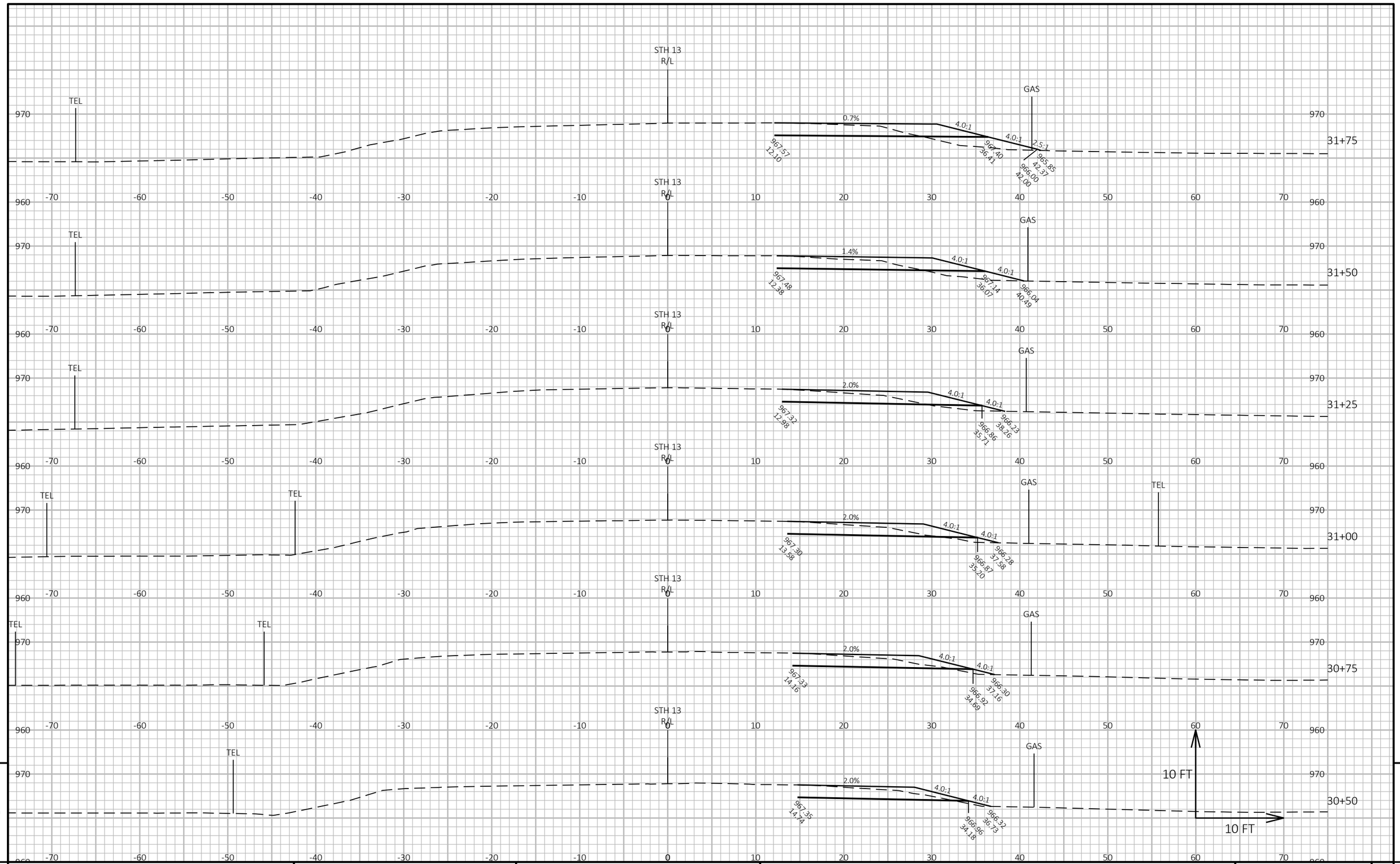
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 1 WIDENING	SHEET 236	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 4/15/2021 11:36 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



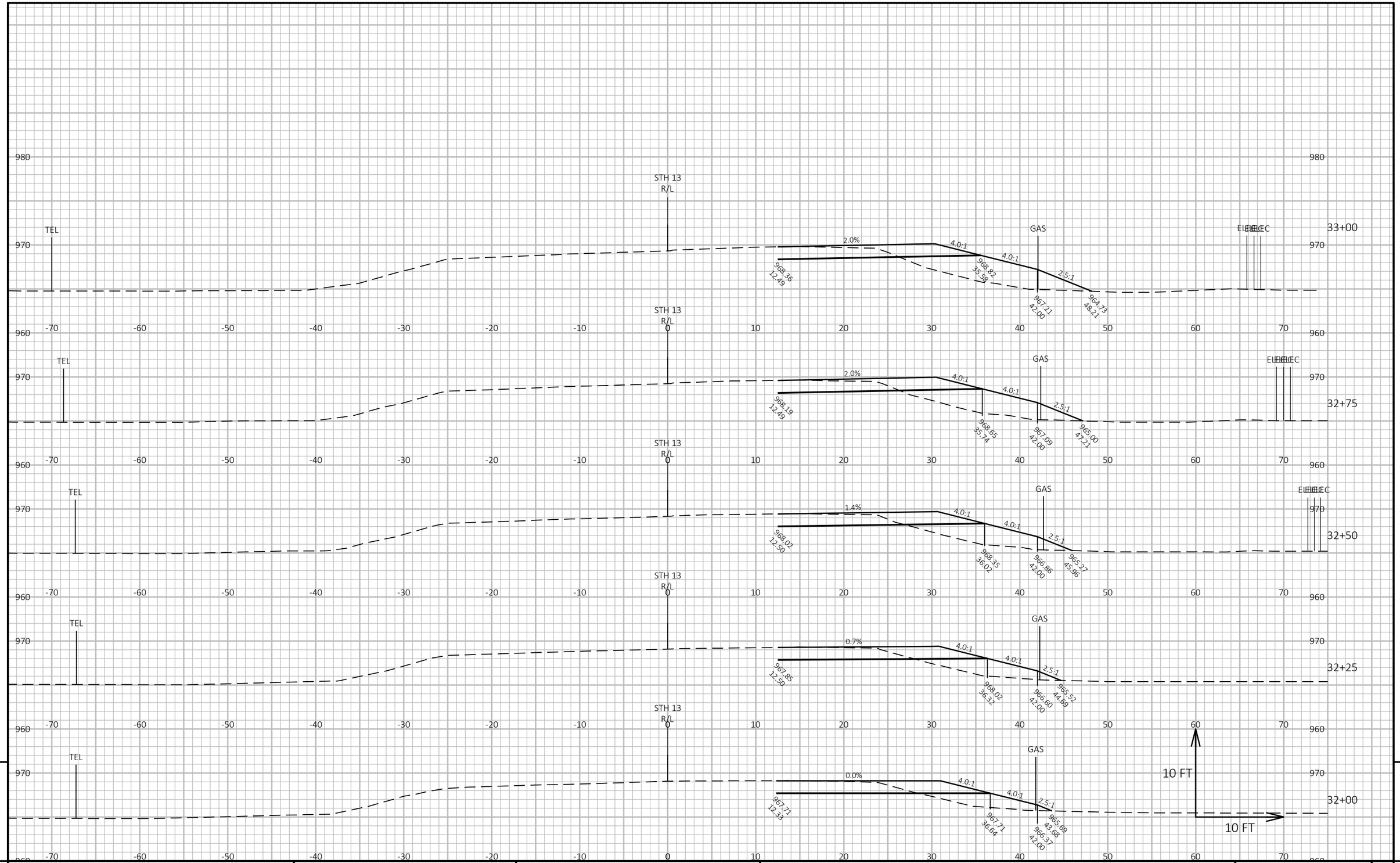
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 1 WIDENING	SHEET 237	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 4/15/2021 11:36 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



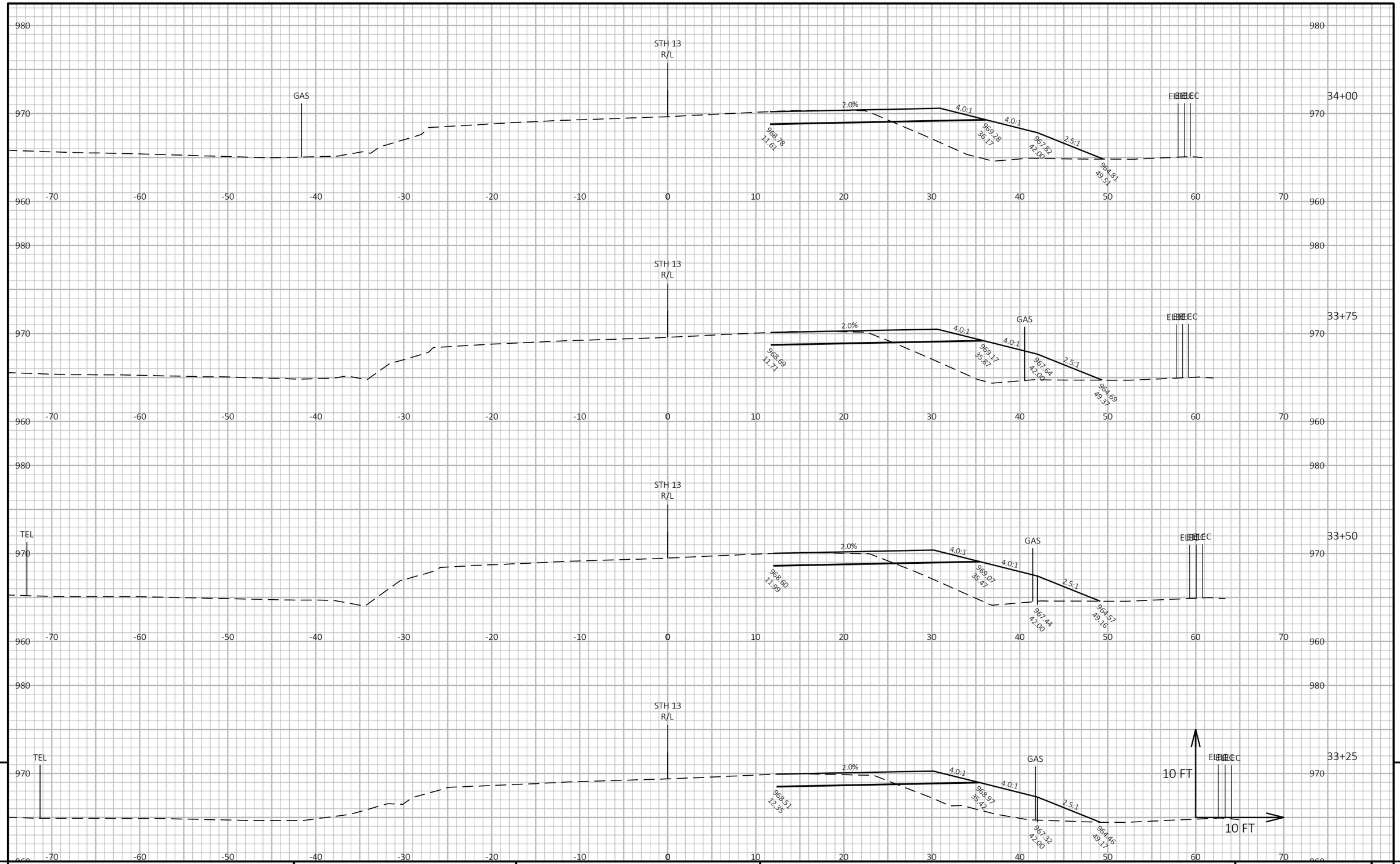
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 4/15/2021 11:36 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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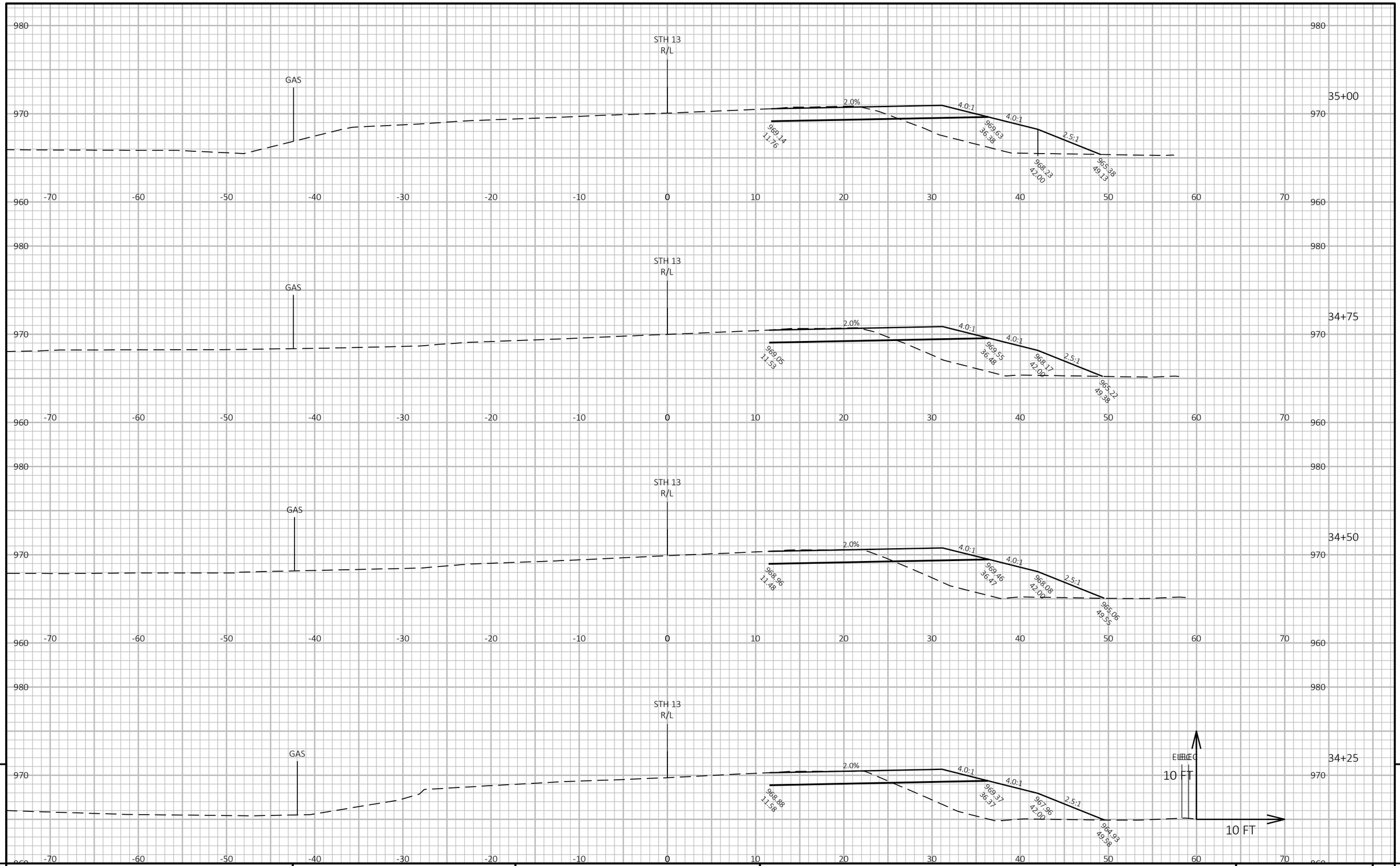
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

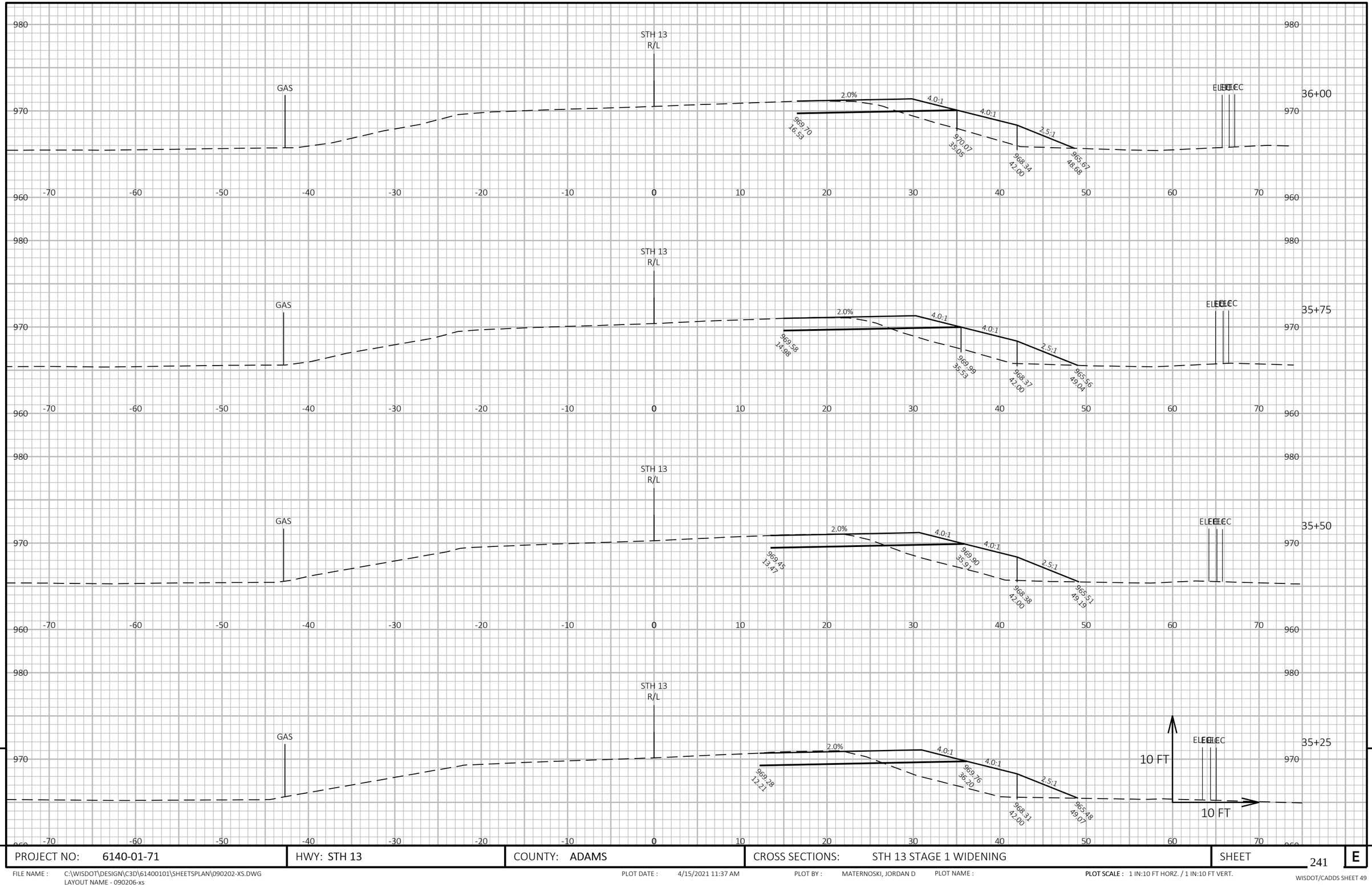
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 1 WIDENING	SHEET 240	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



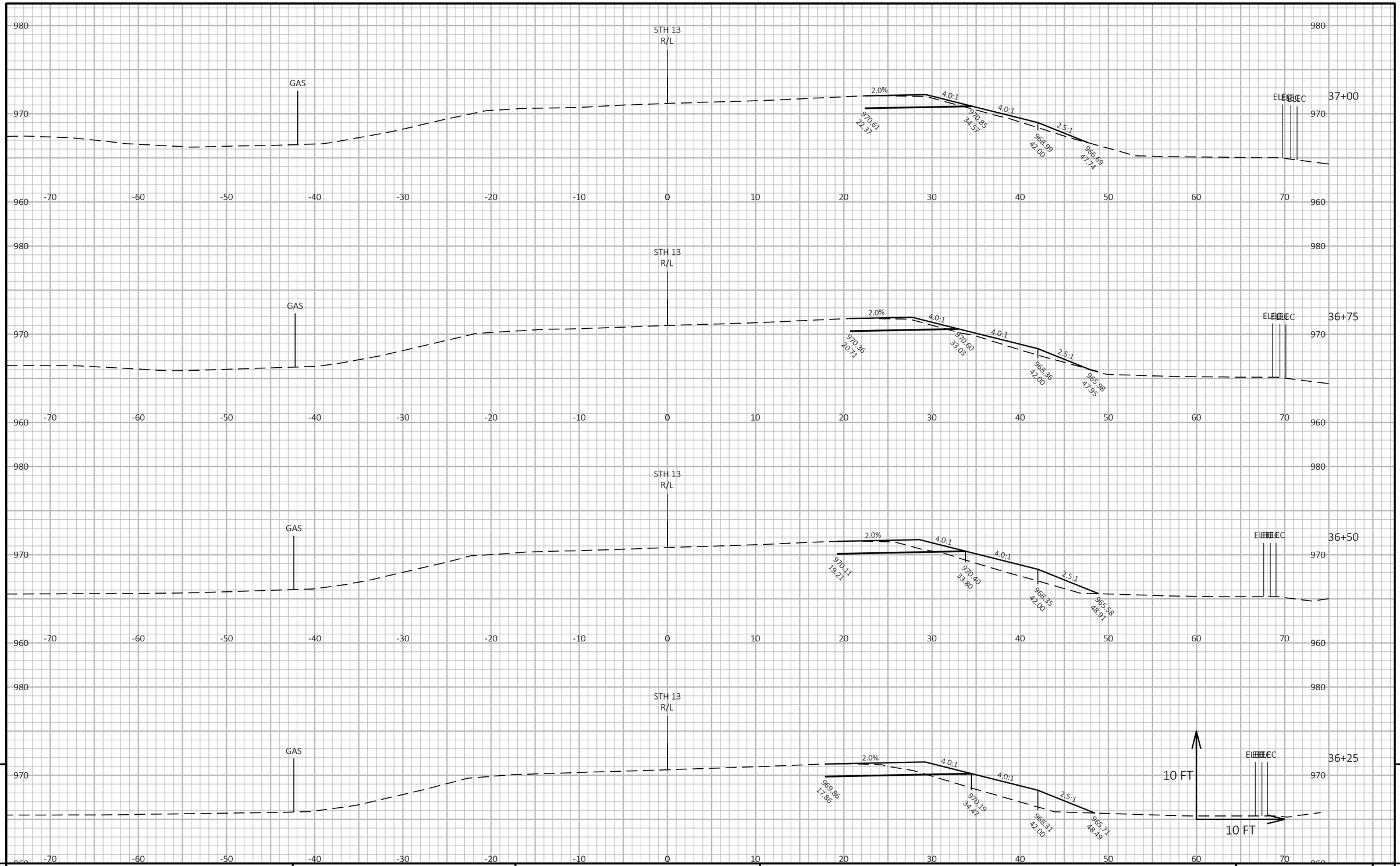
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 1 WIDENING	SHEET 241	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 1 WIDENING	SHEET 242	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



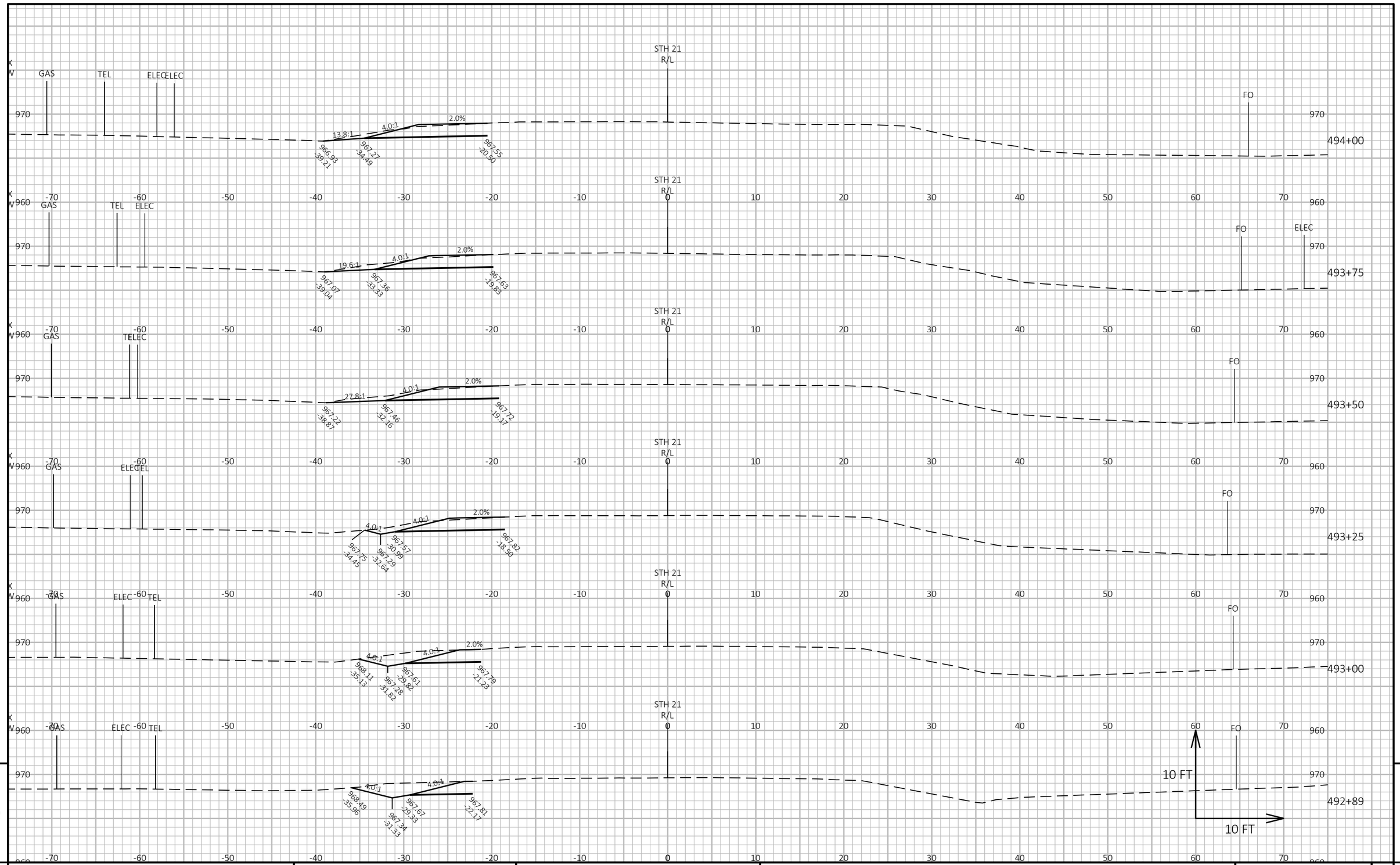
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 1 WIDENING	SHEET 243	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



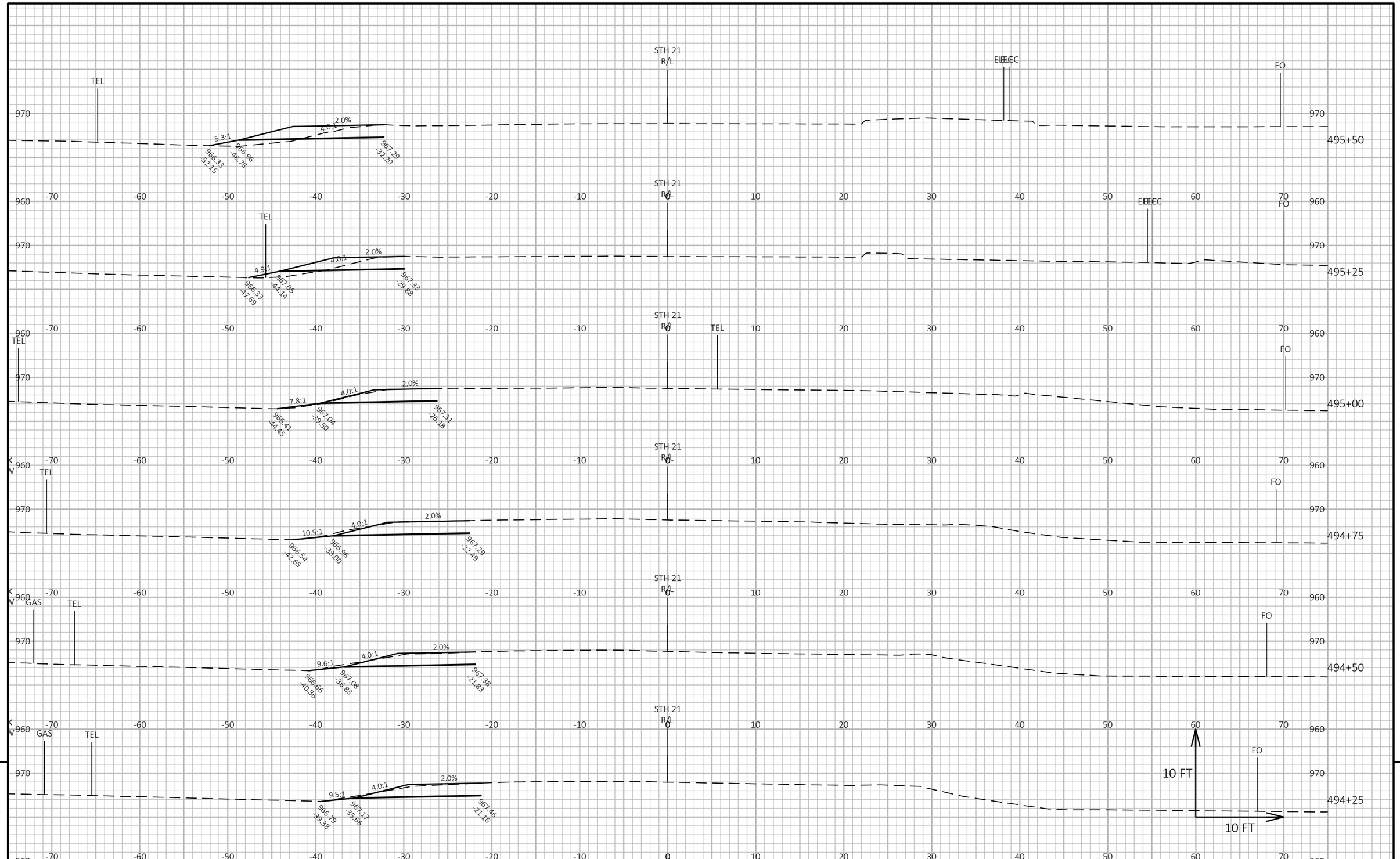
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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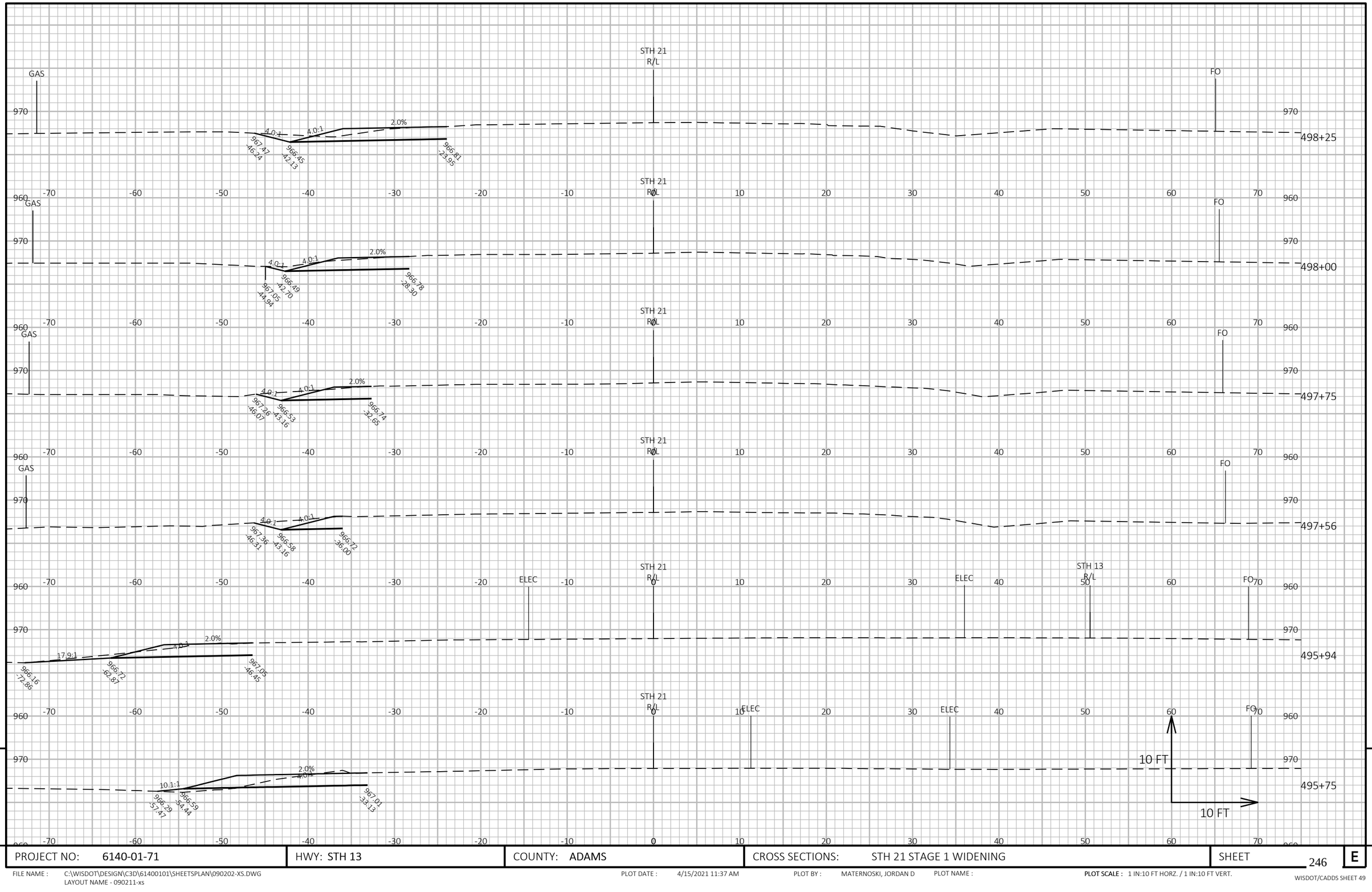
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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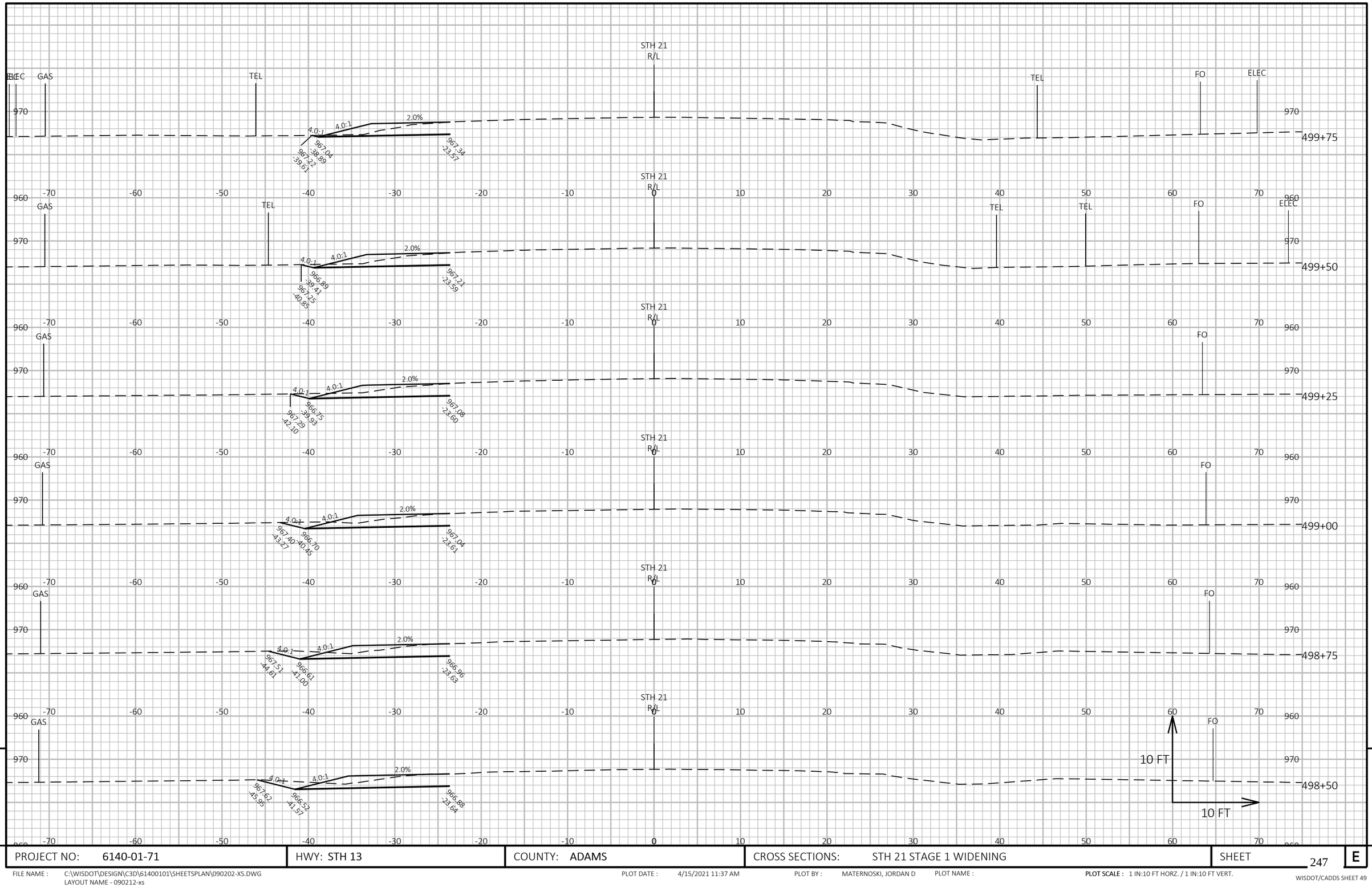
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090211-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



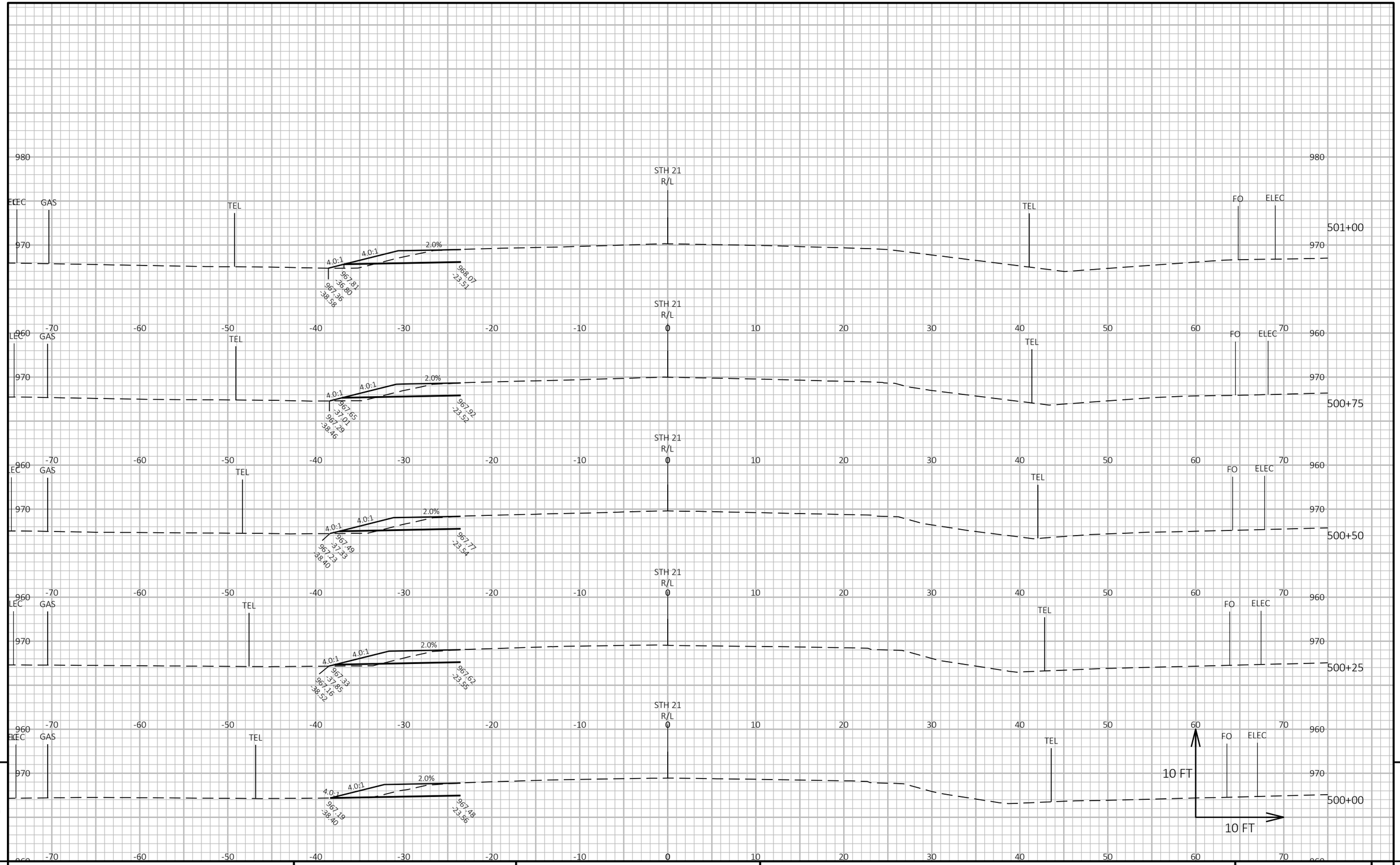
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 1 WIDENING	SHEET 247	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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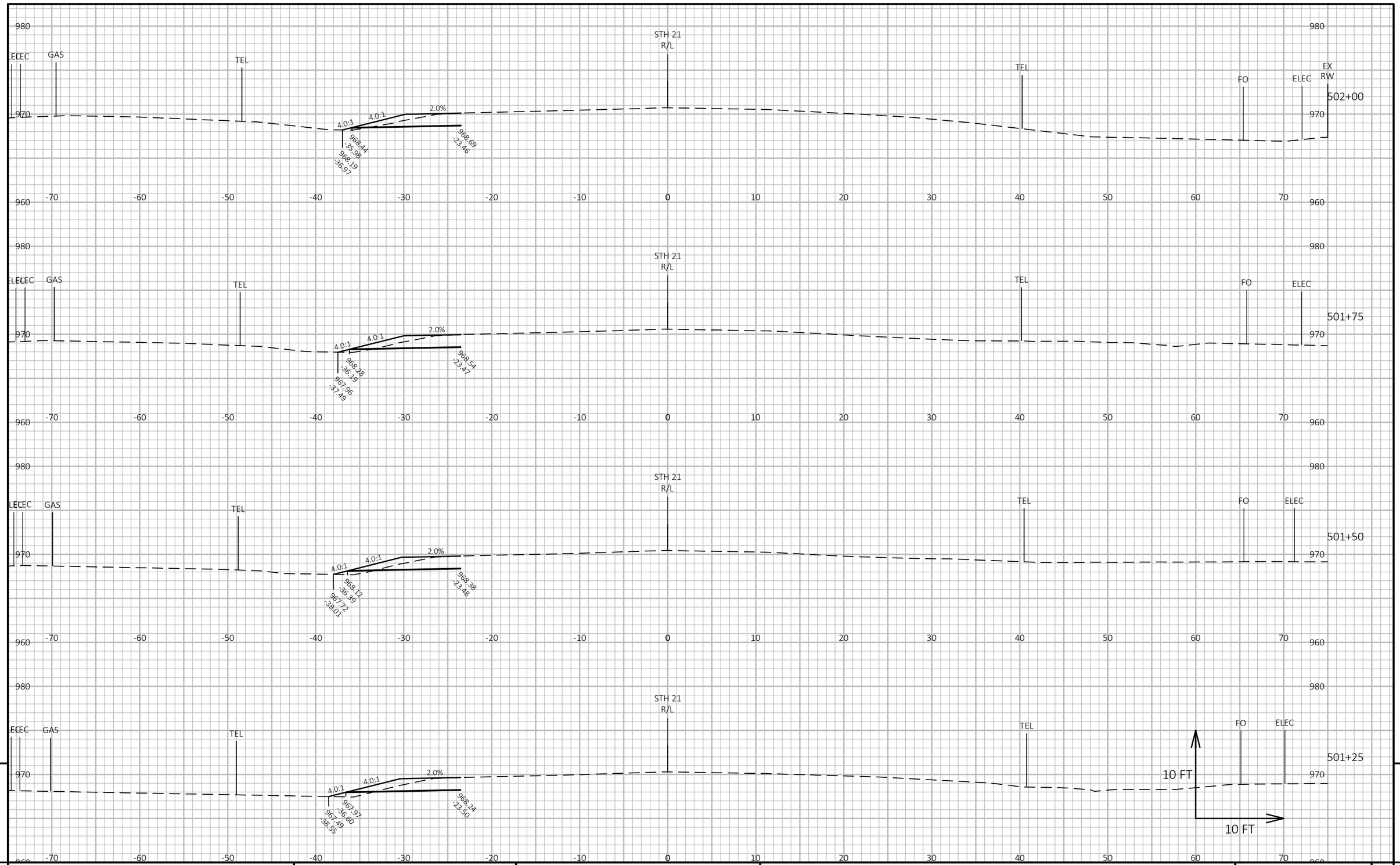
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 1 WIDENING	SHEET 248	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

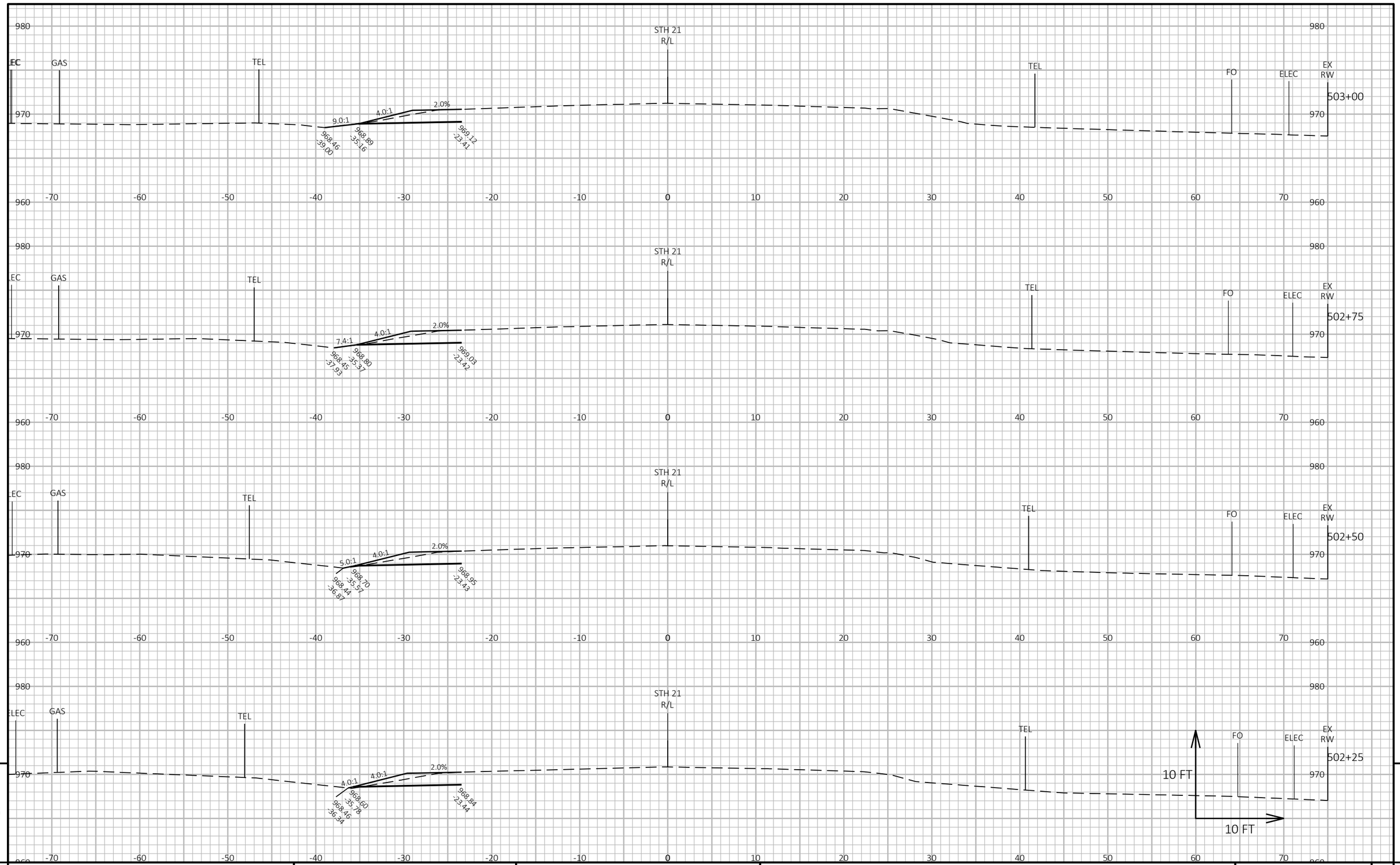


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 1 WIDENING	SHEET 249 E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090214-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

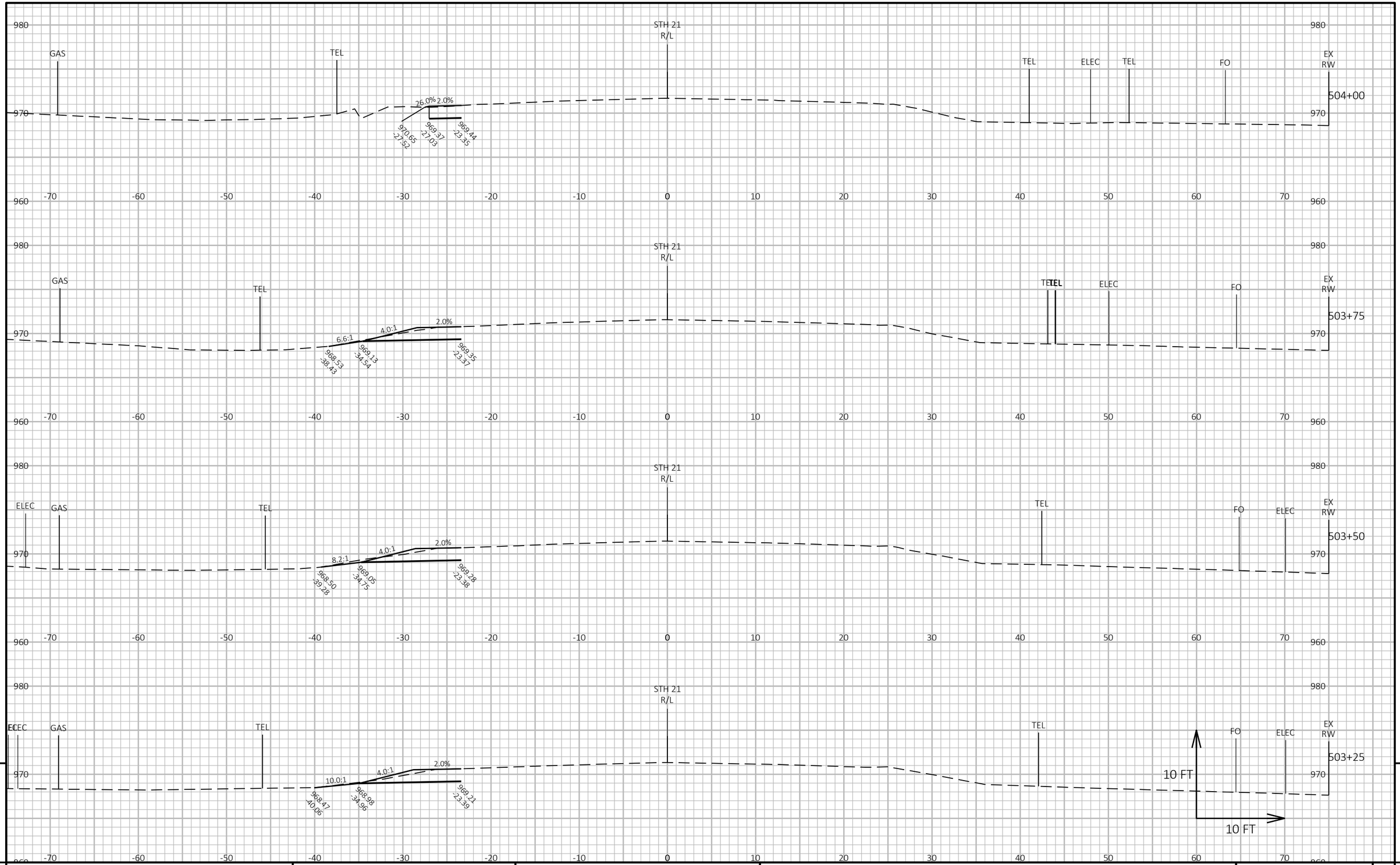


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 1 WIDENING	SHEET 250 E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090215-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 1 WIDENING	SHEET 251	E

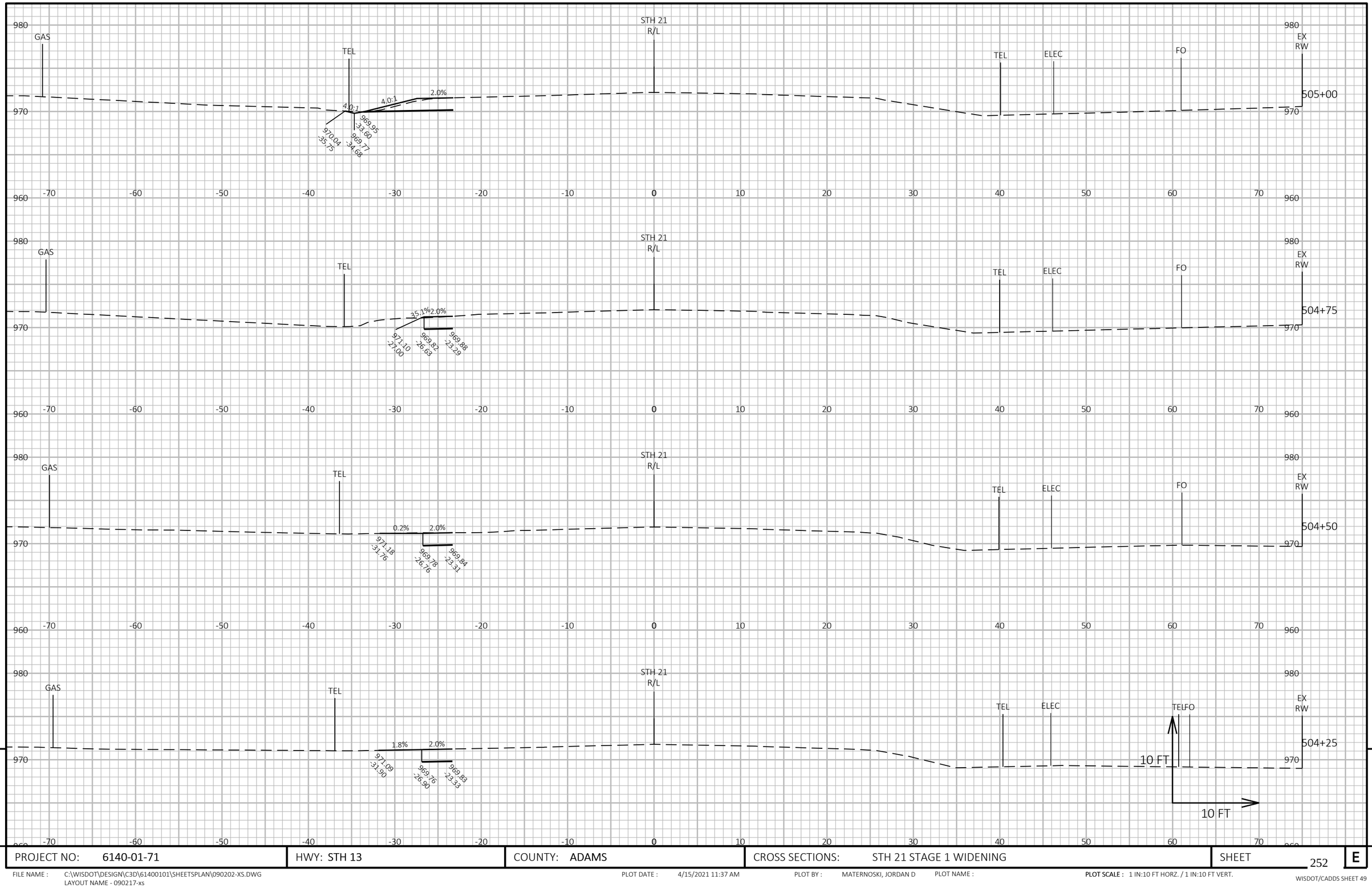
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LAYOUT NAME - 090216-xs

PLOT DATE : 4/15/2021 11:37 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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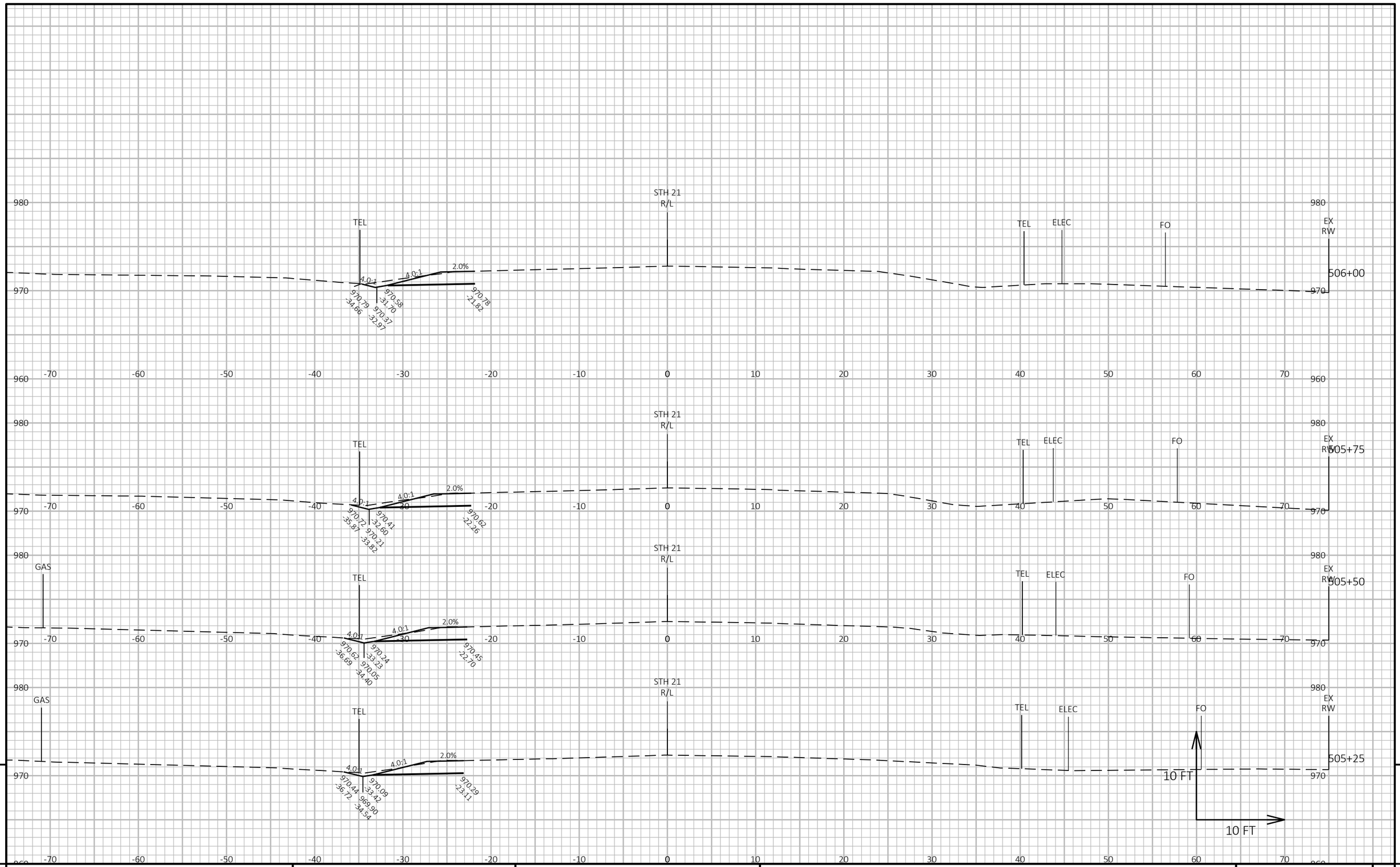
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 1 WIDENING	SHEET 252	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090217-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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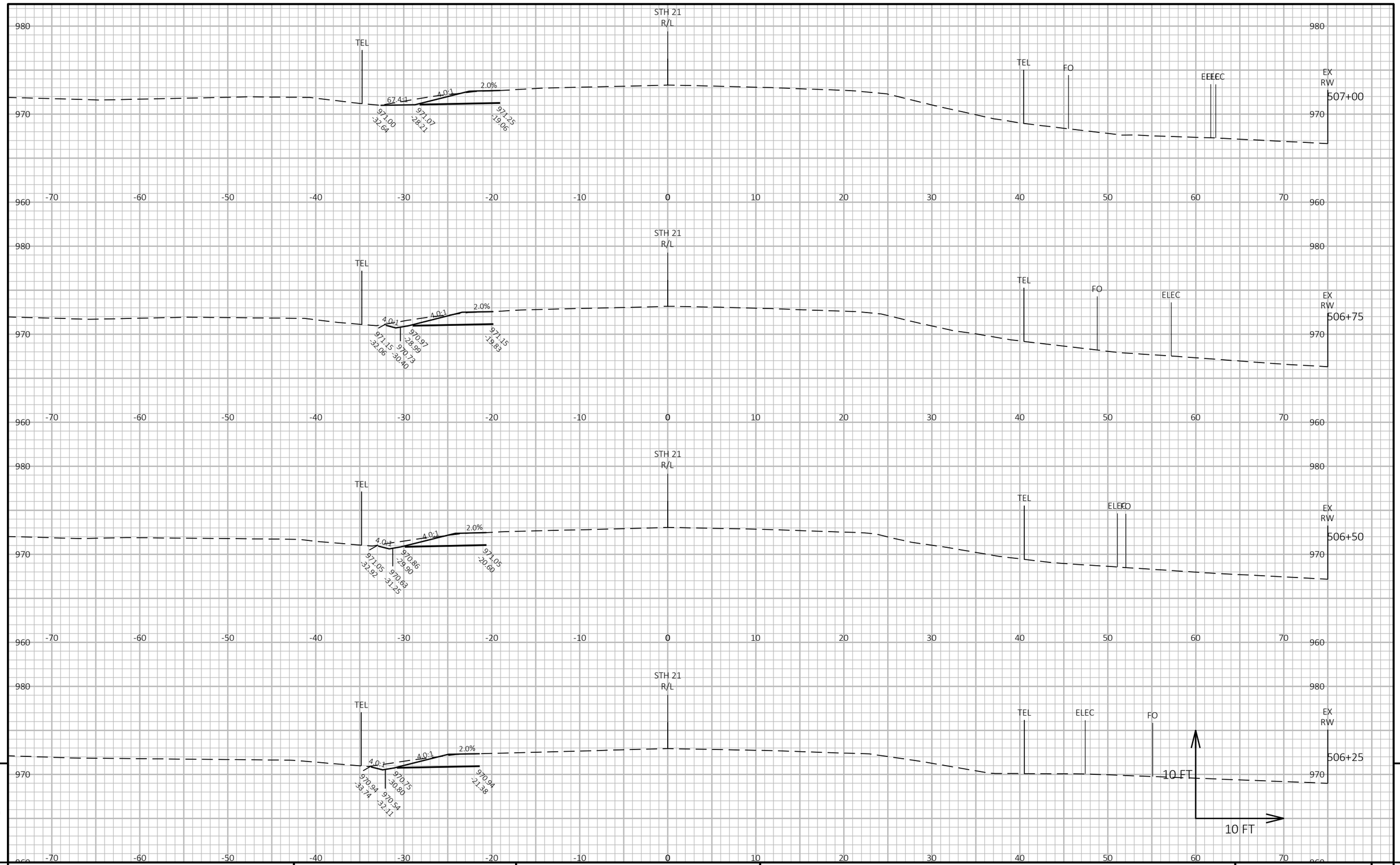
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090218-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



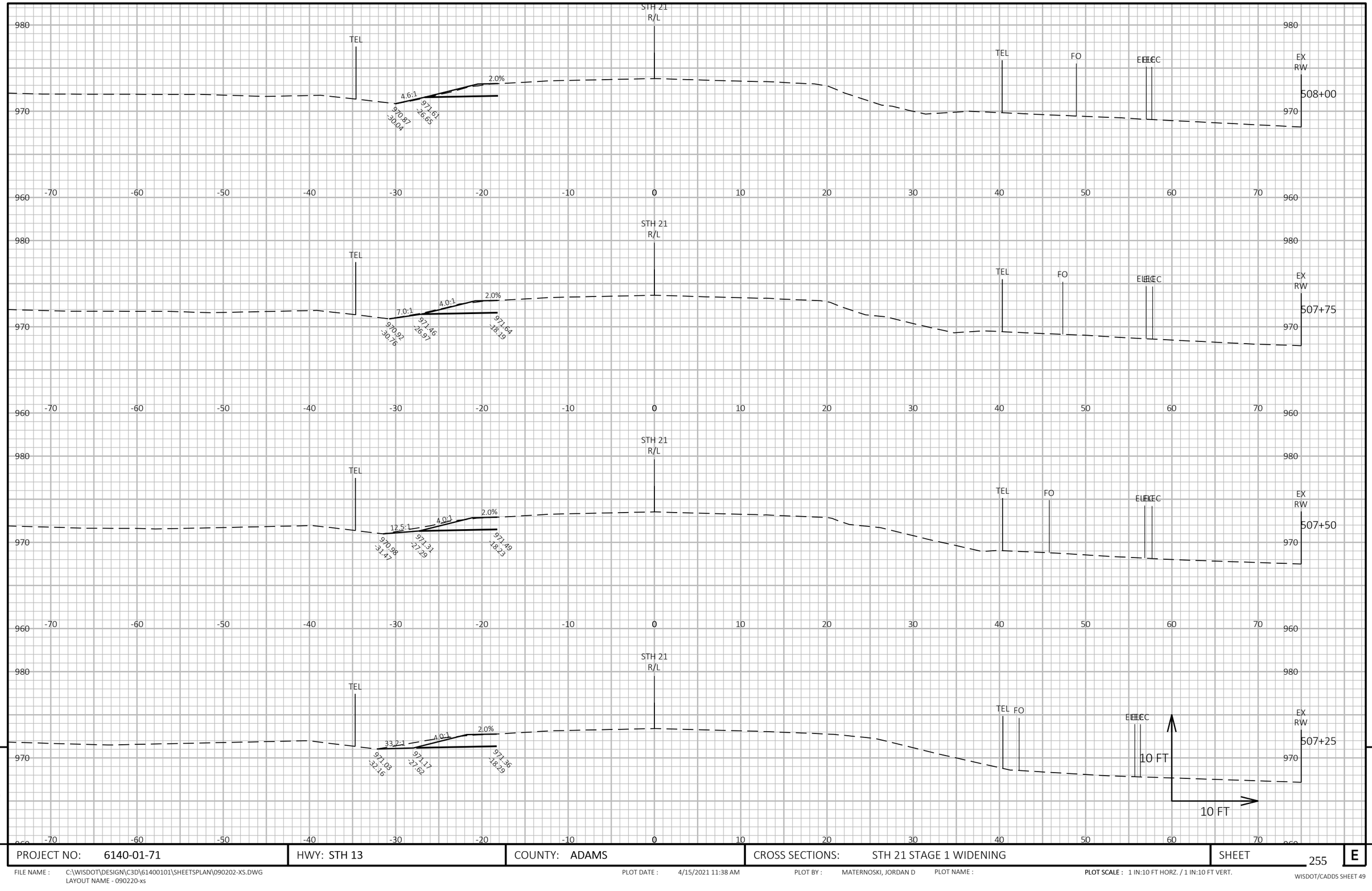
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 1 WIDENING	SHEET 254	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 4/15/2021 11:37 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



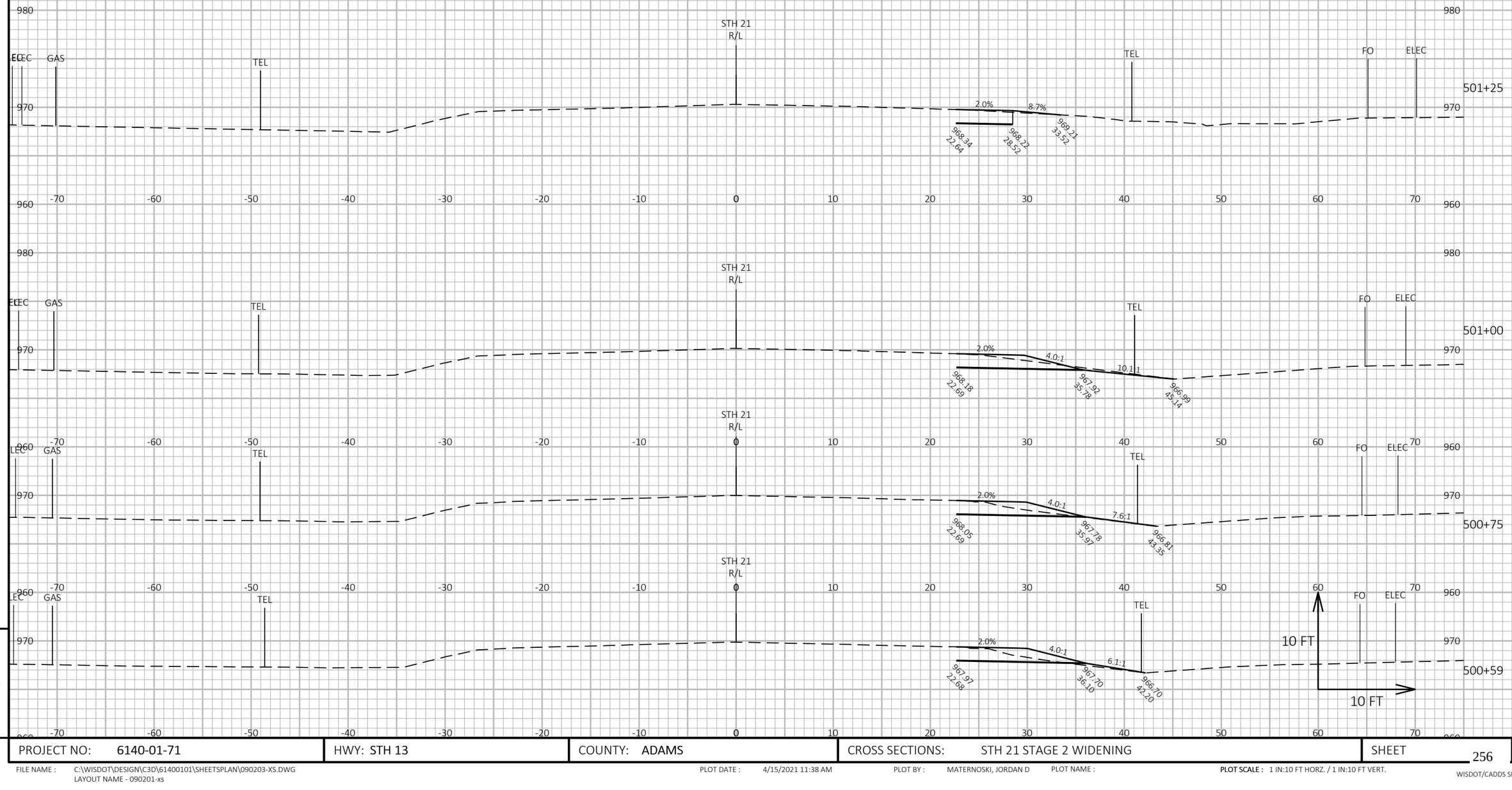
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 090220-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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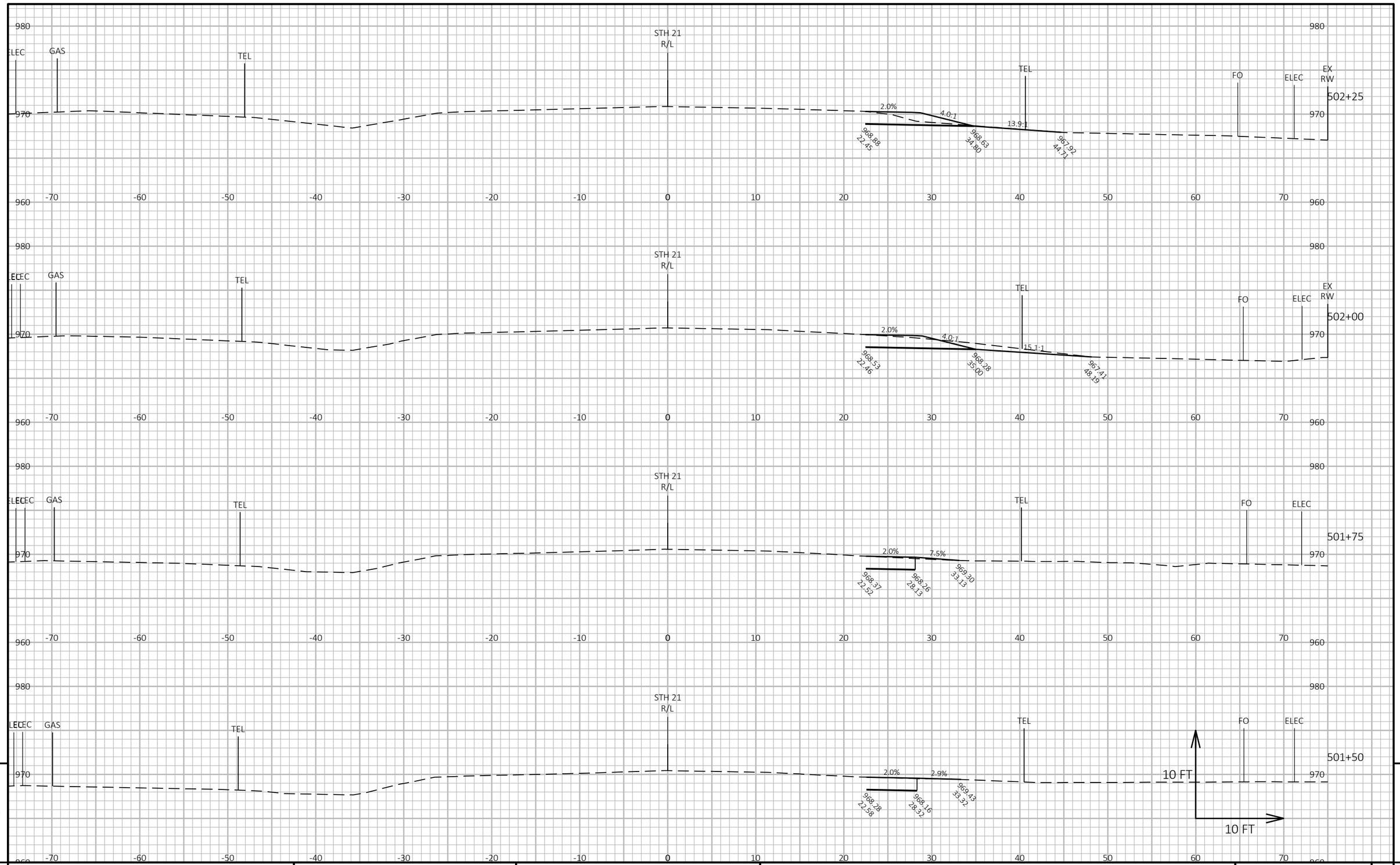
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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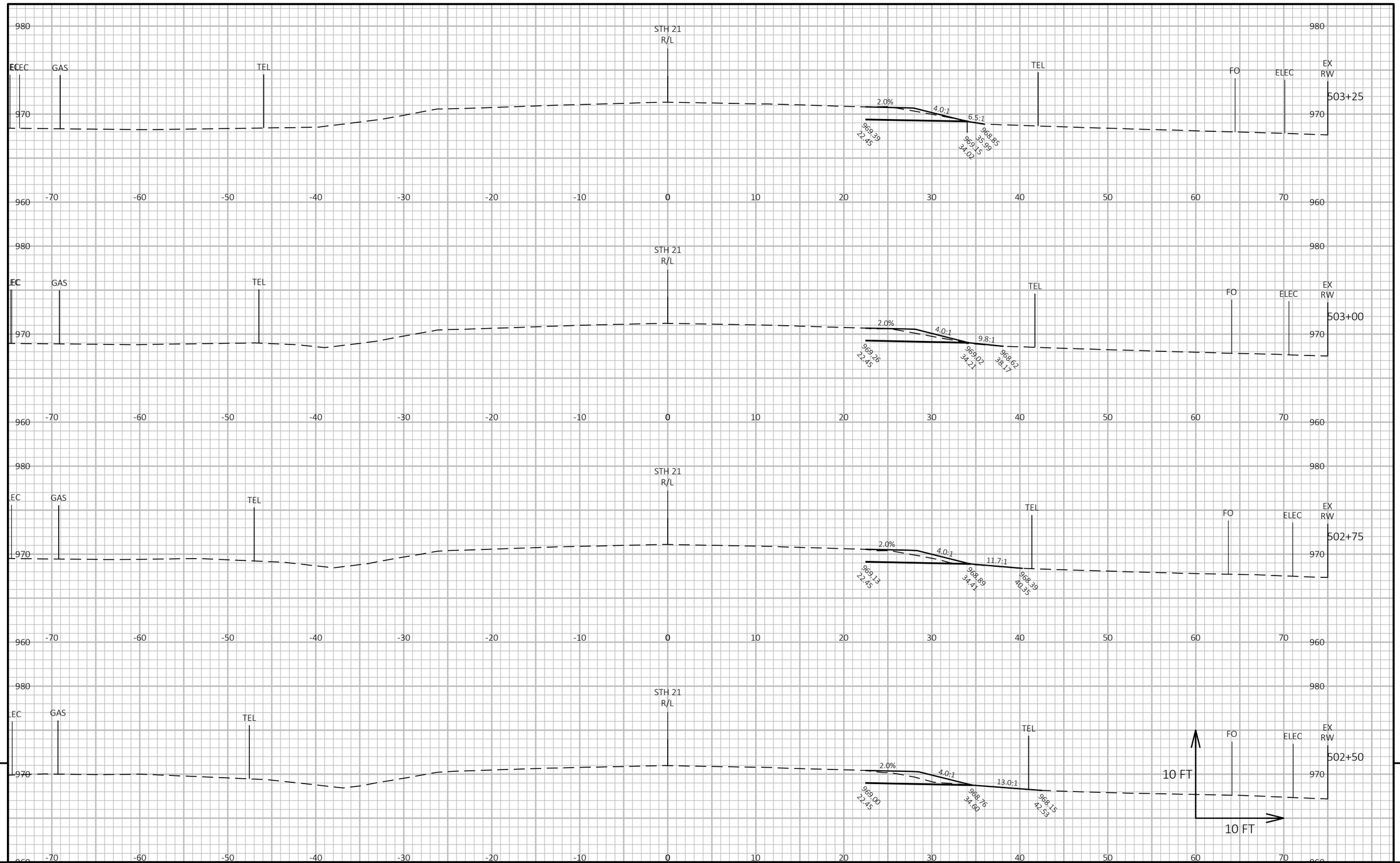
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 2 WIDENING	SHEET 257	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

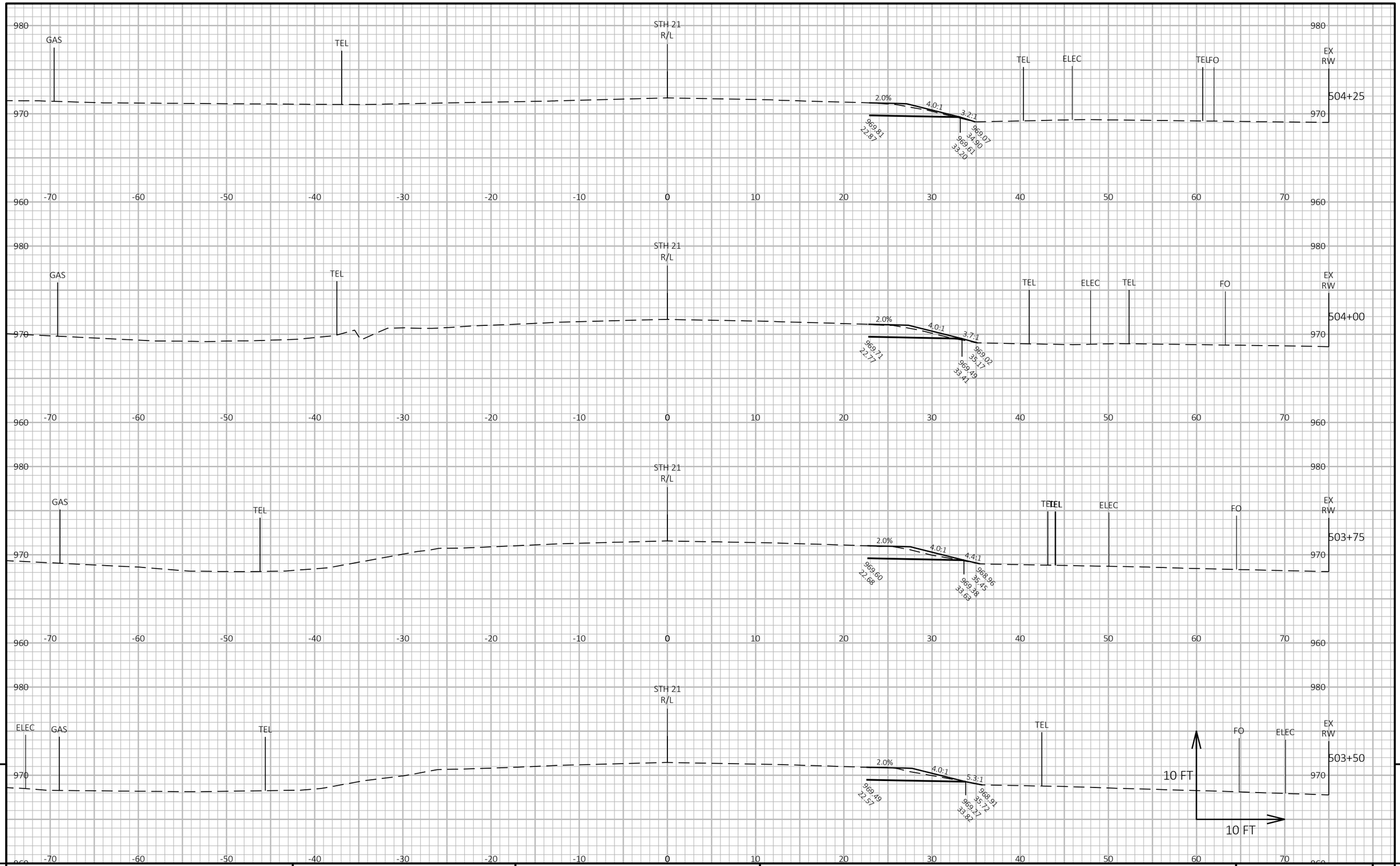


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 2 WIDENING	SHEET 258 E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 2 WIDENING	SHEET 259	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090204-xs

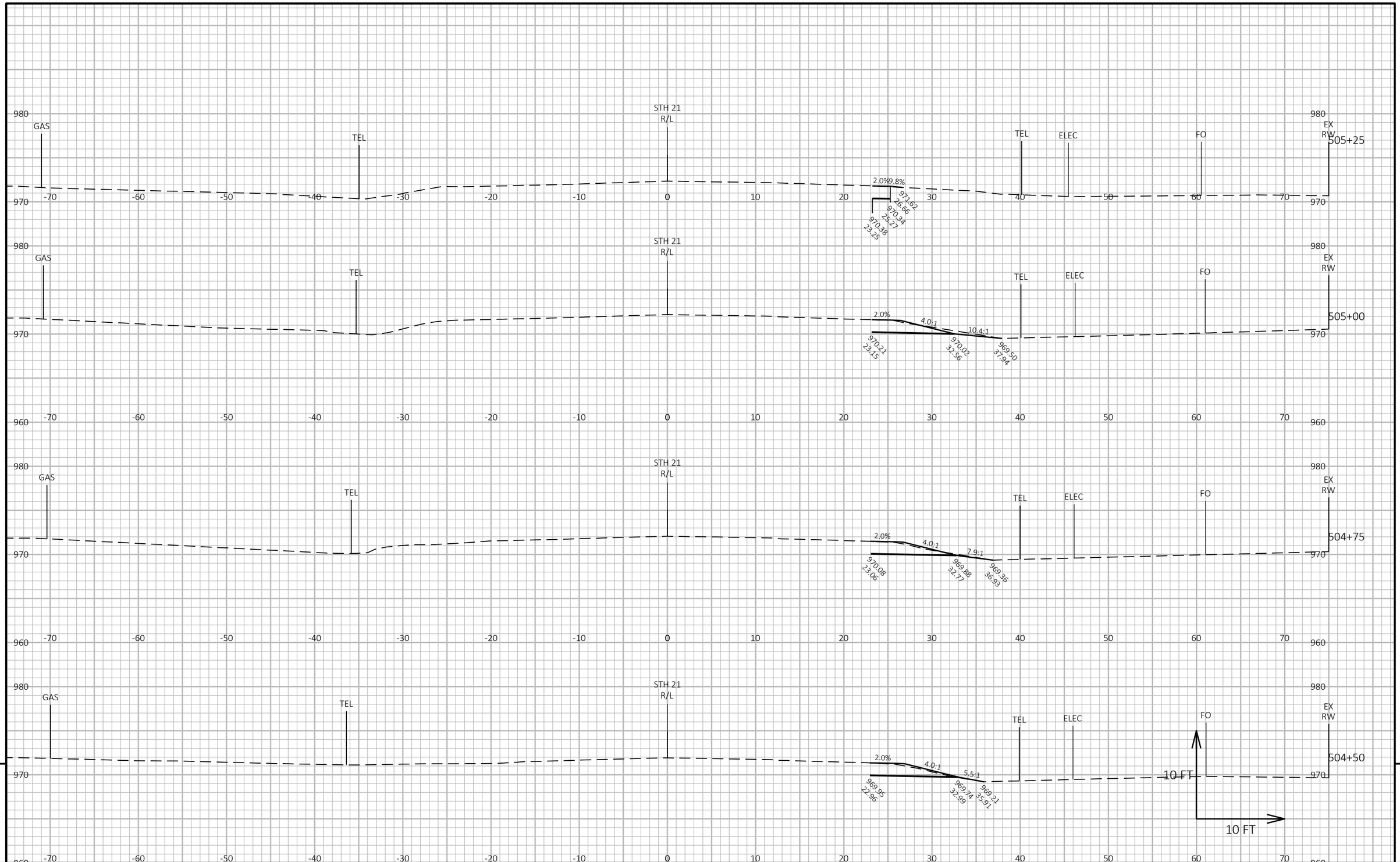
PLOT DATE : 4/15/2021 11:38 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



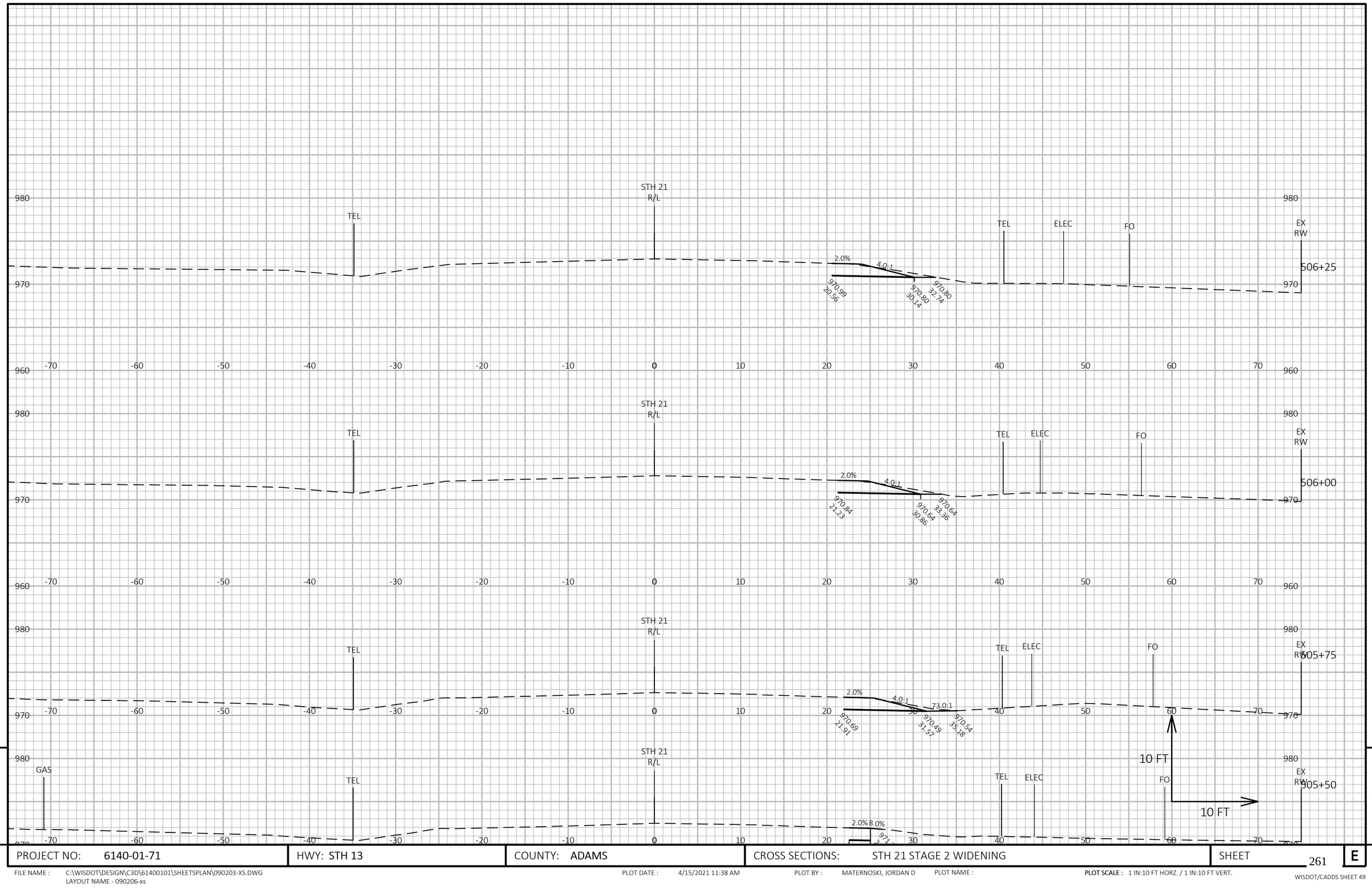
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



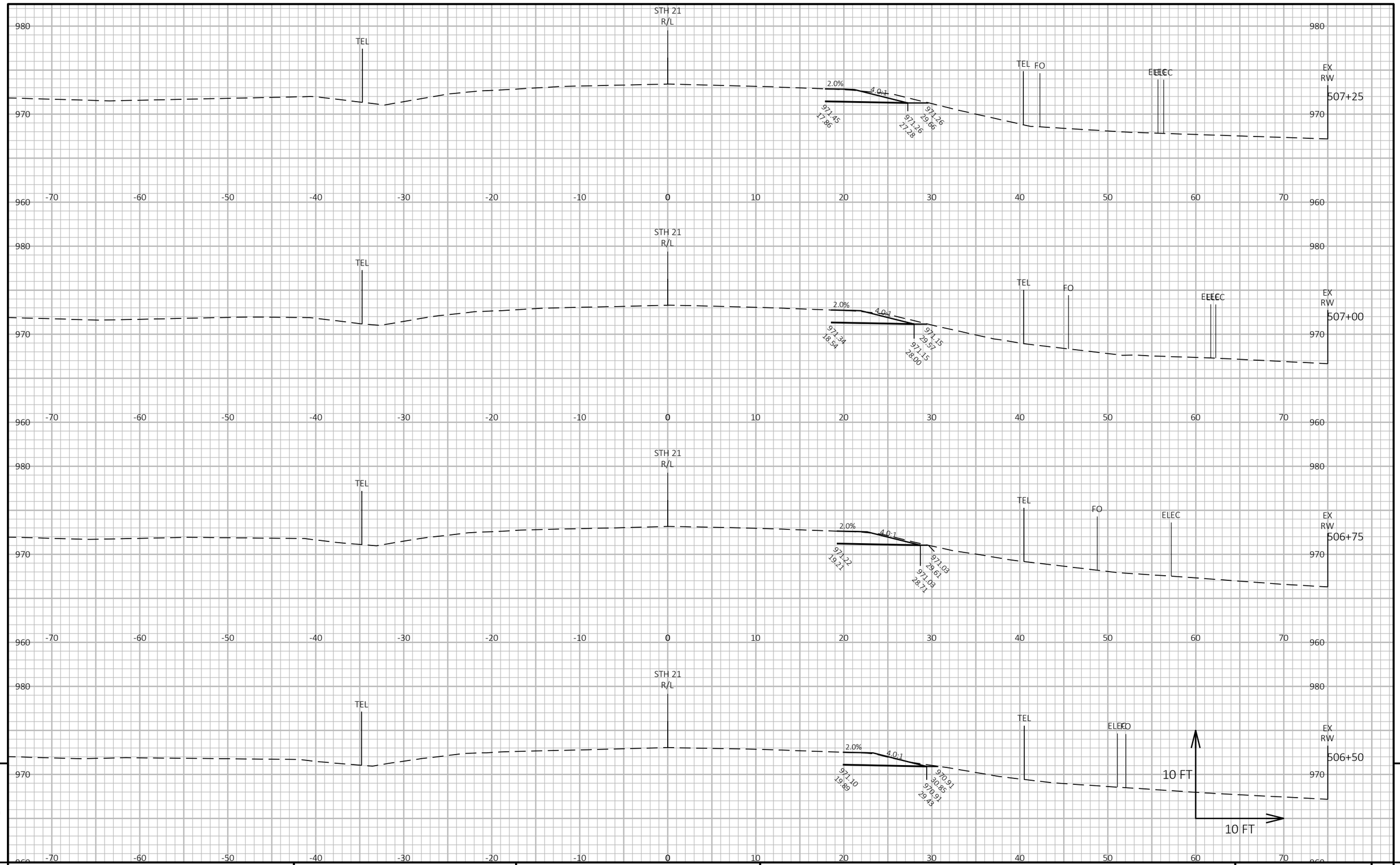
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 2 WIDENING	SHEET 262	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

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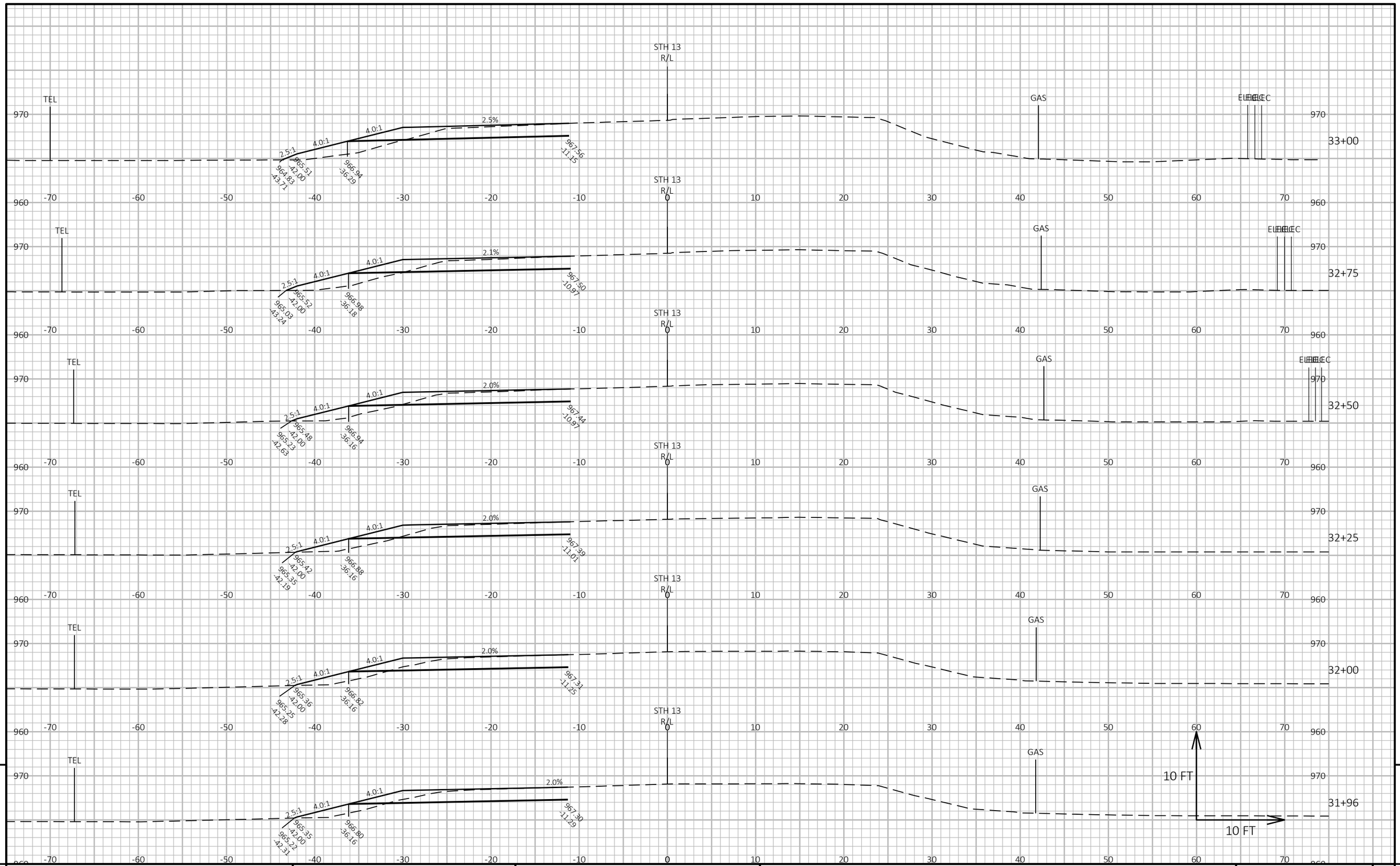
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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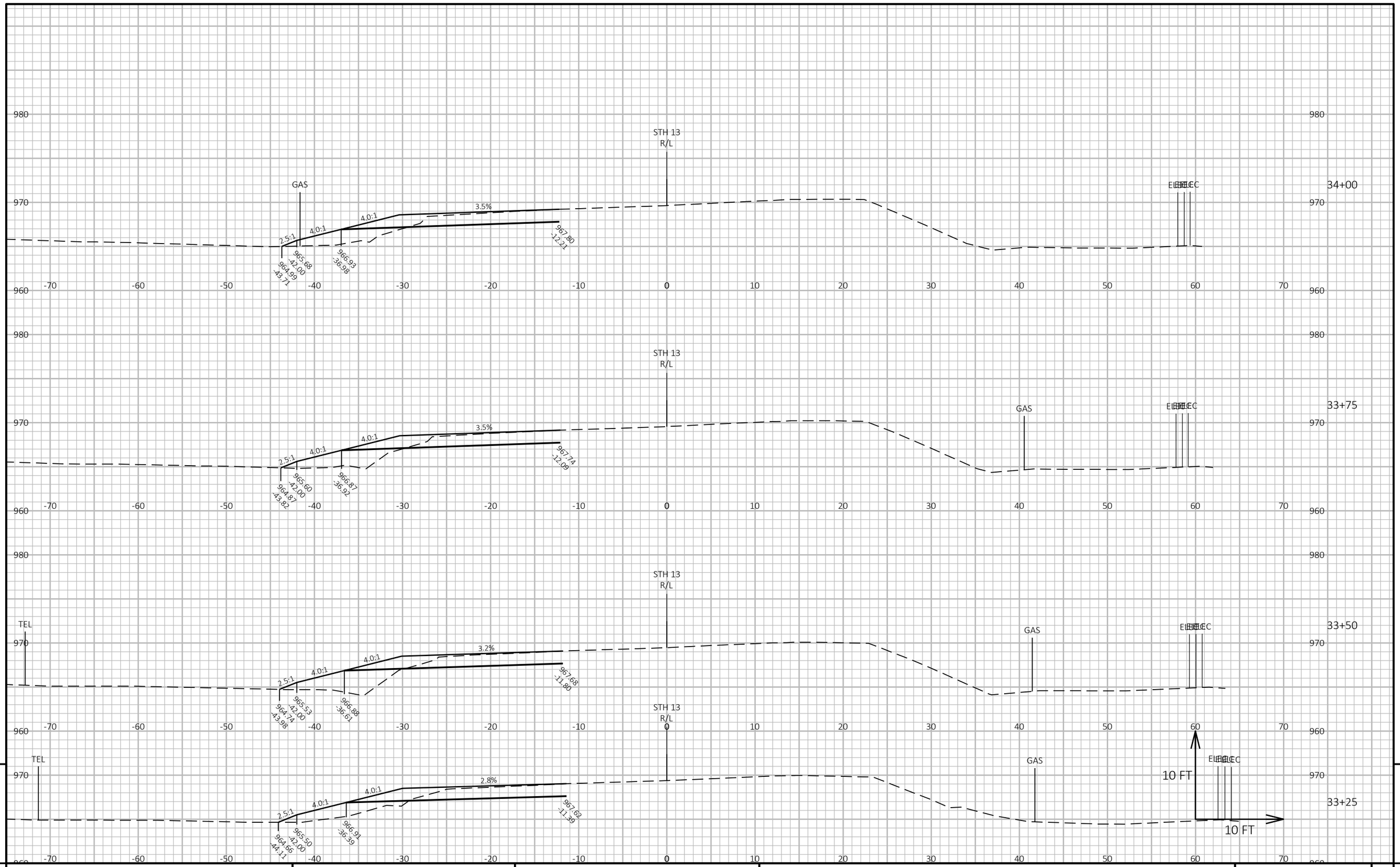
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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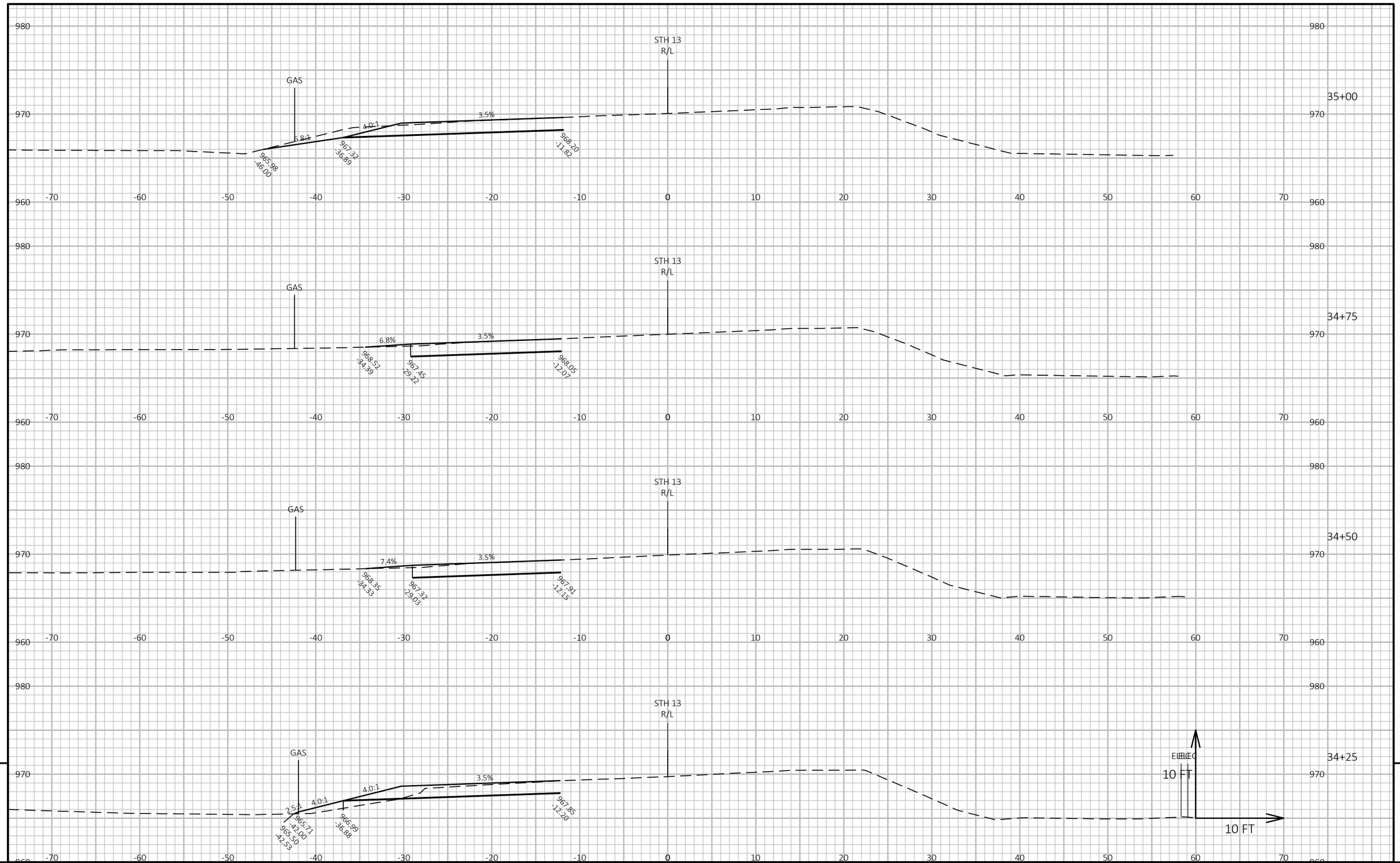
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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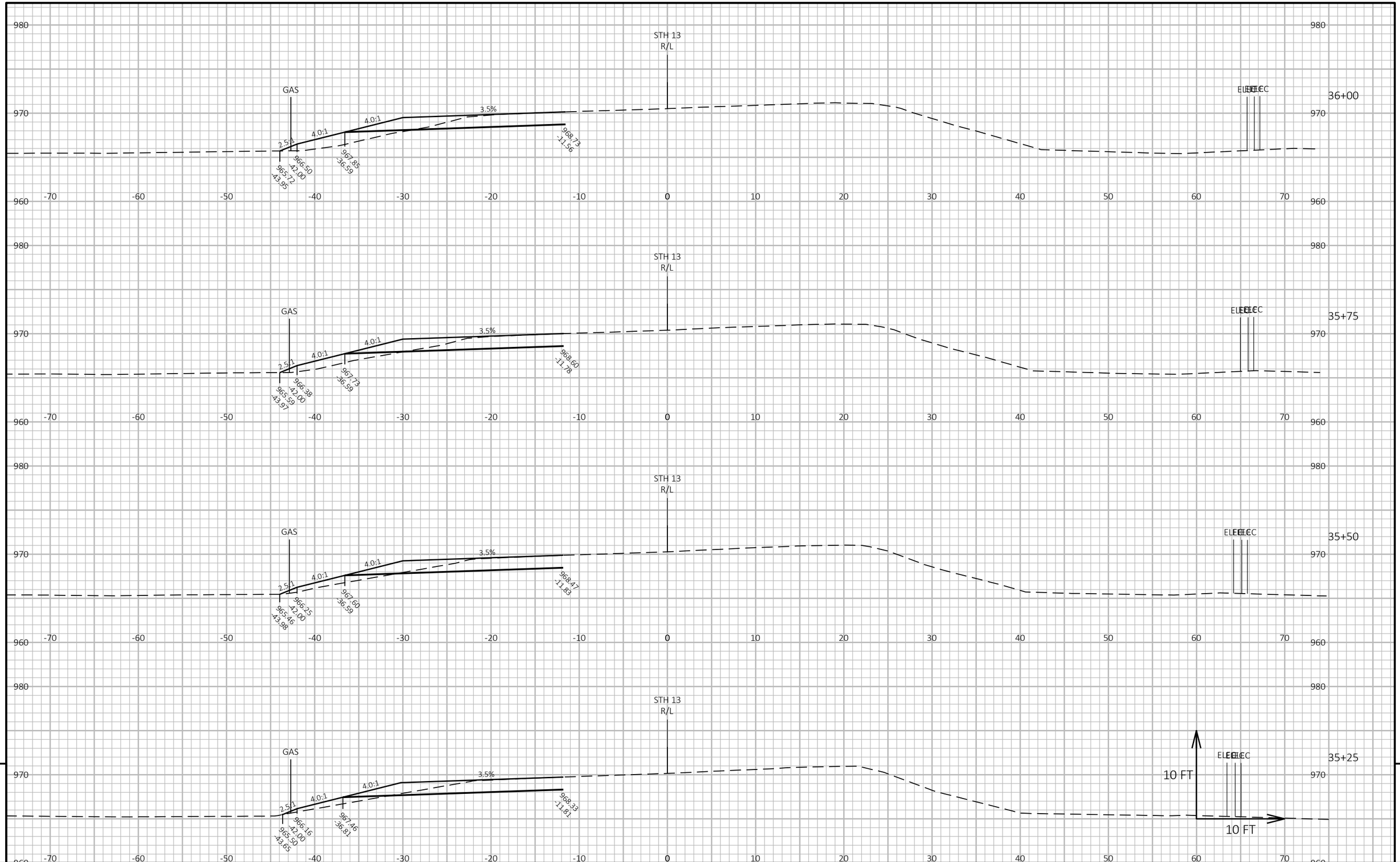
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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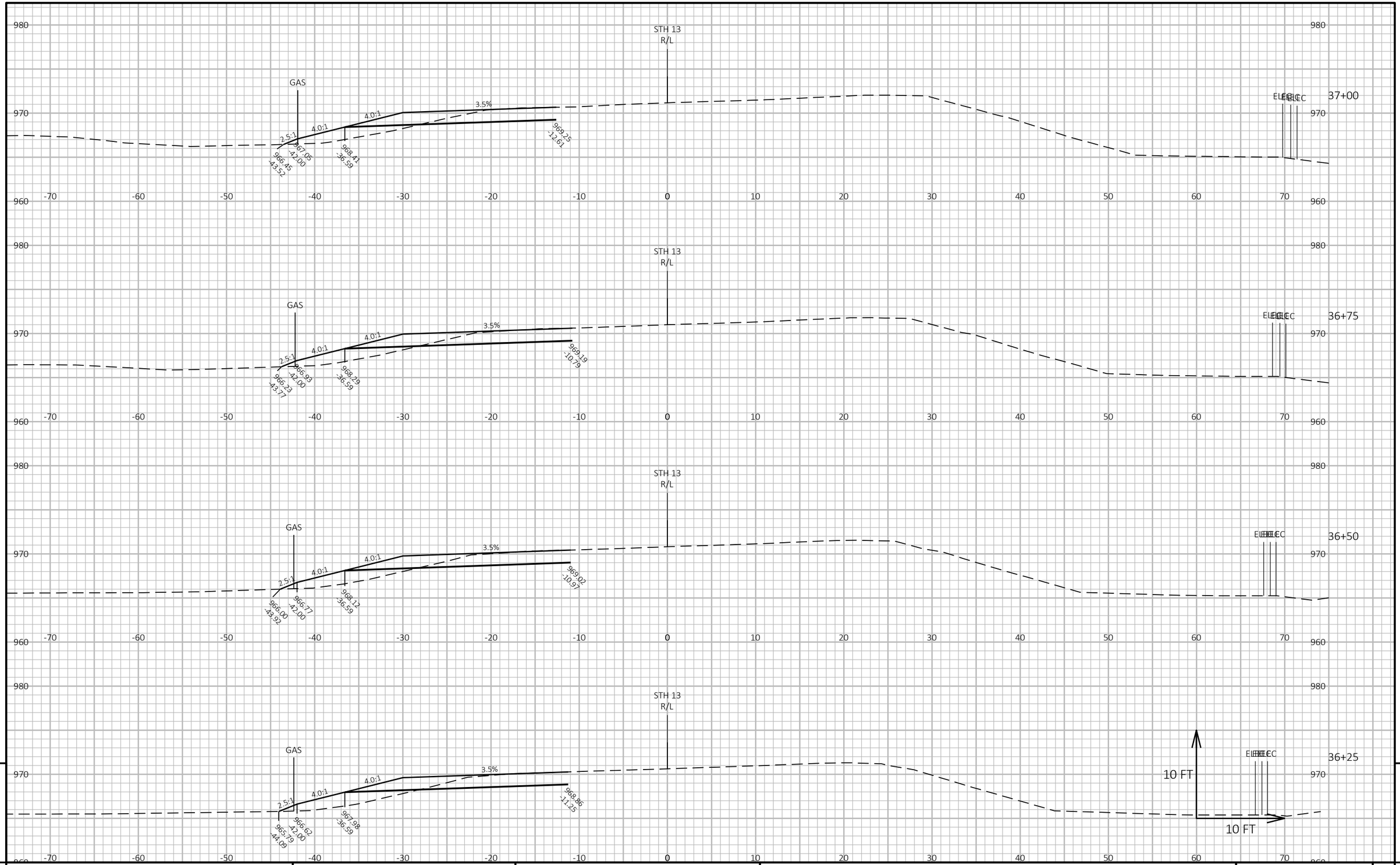
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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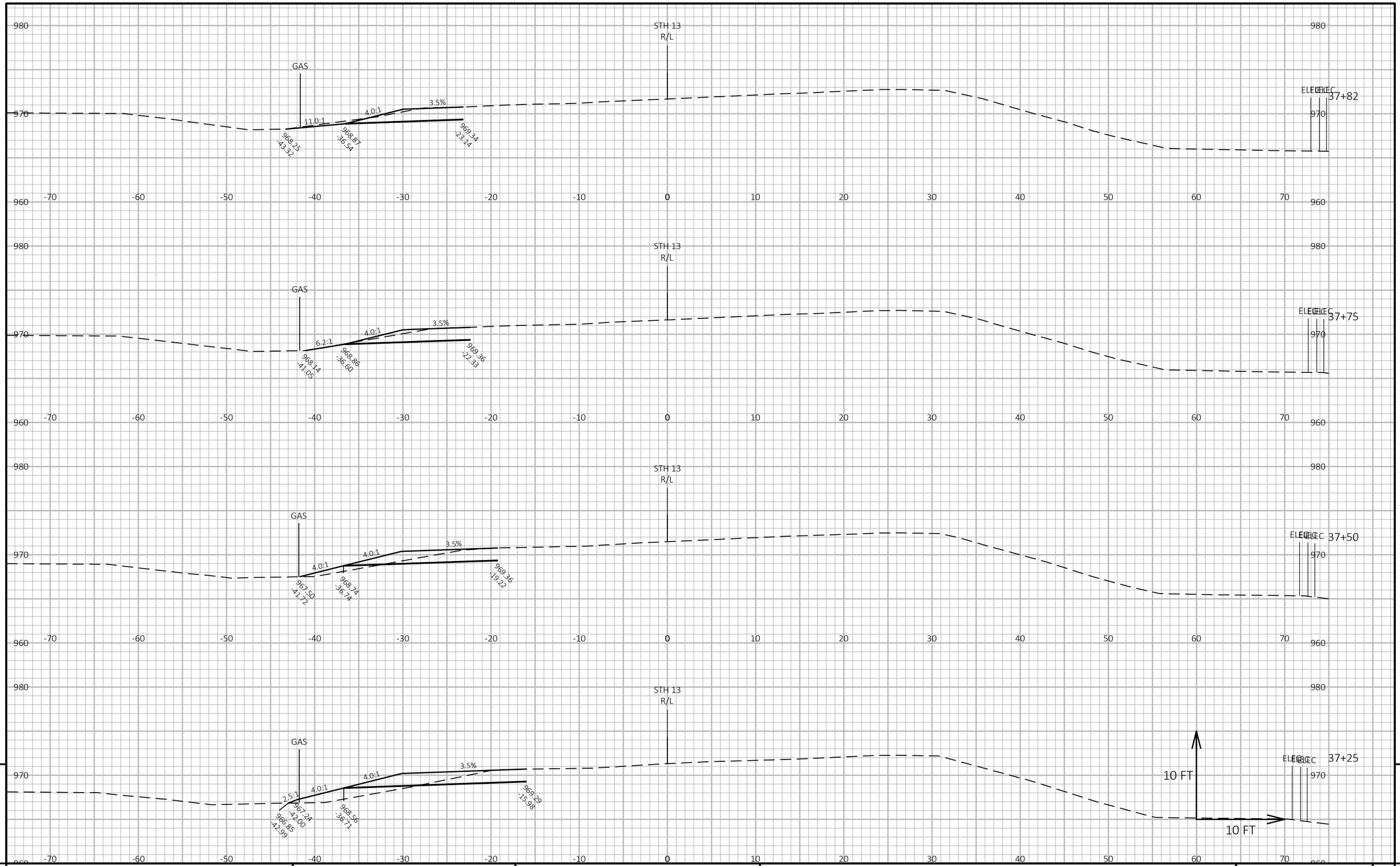
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FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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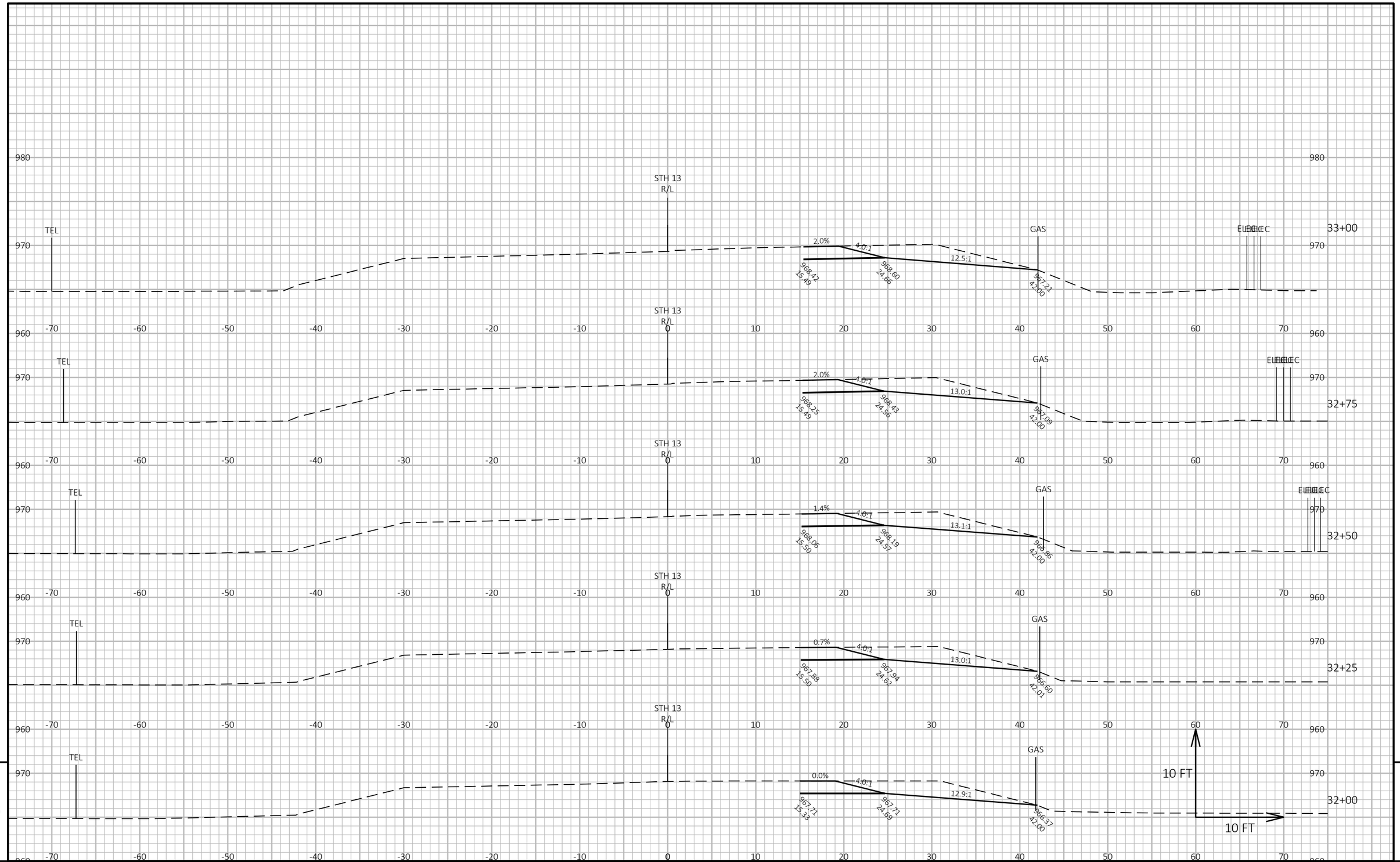
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 3 WIDENING	SHEET 269	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 4/15/2021 11:38 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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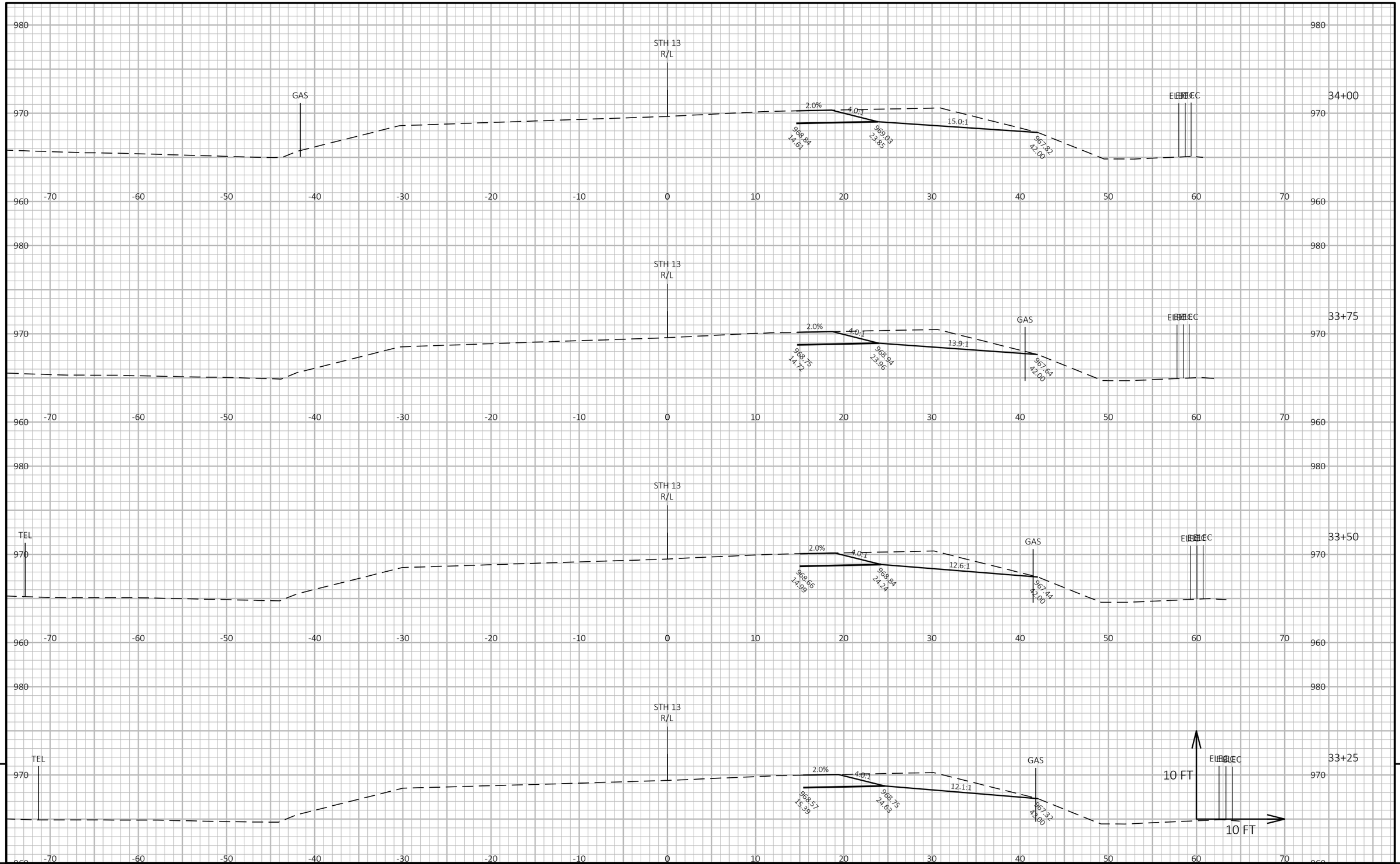
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 4 WIDENING REMOVAL	SHEET 270	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

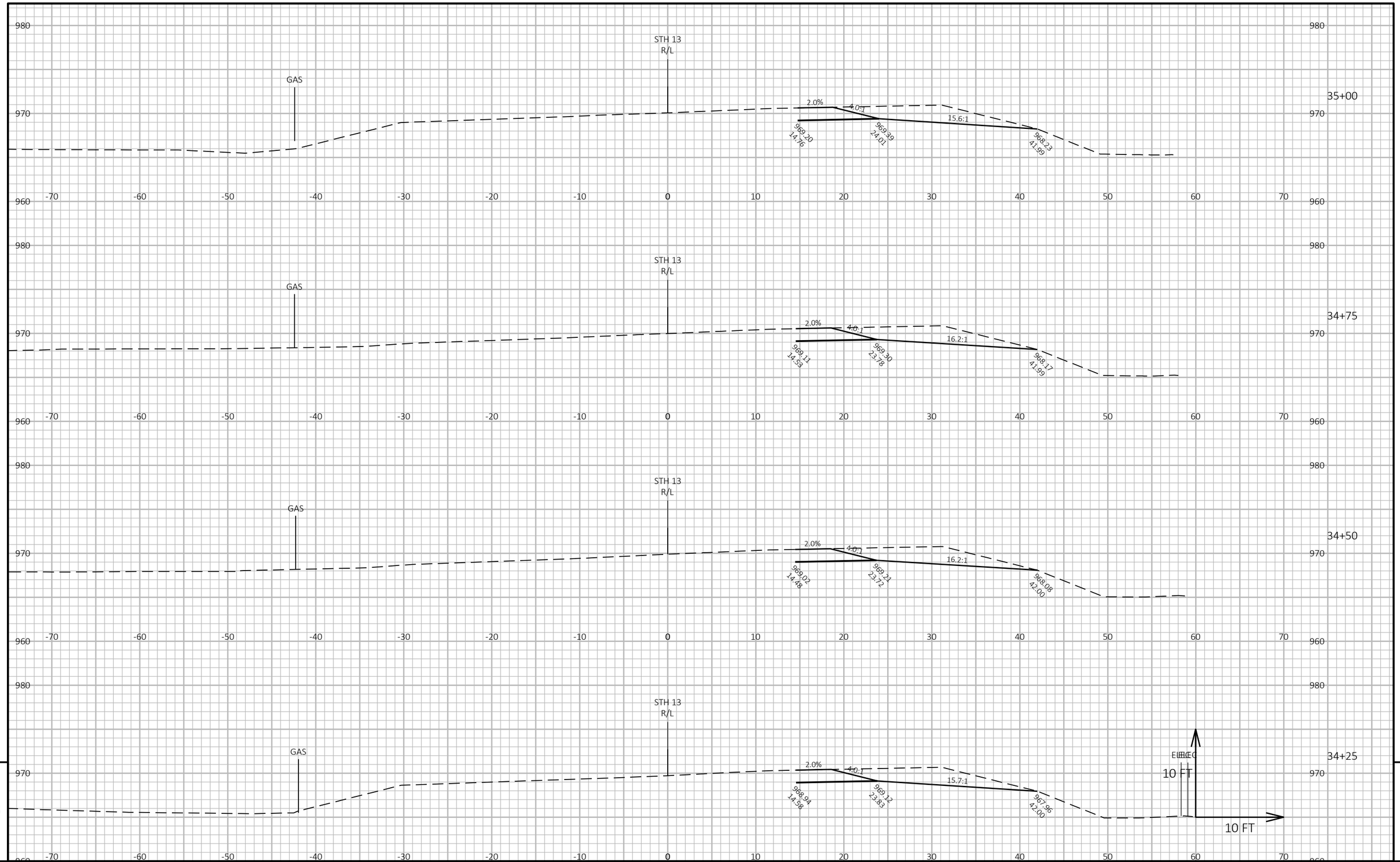


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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 4 WIDENING REMOVAL	SHEET 271	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090202-xs

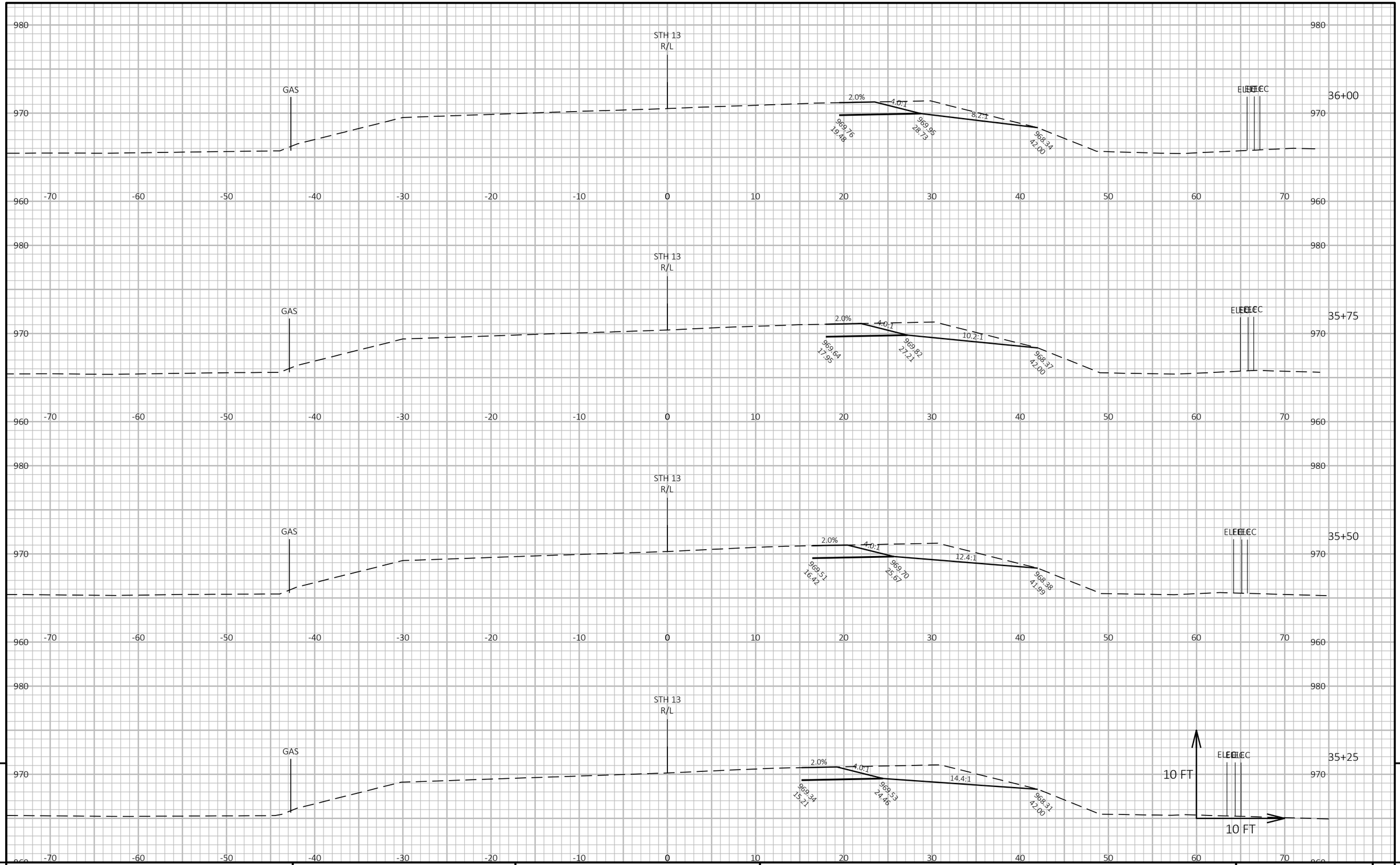
PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9 9

PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 4 WIDENING REMOVAL	SHEET 272	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090203-xs
PLOT DATE : 4/15/2021 11:39 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



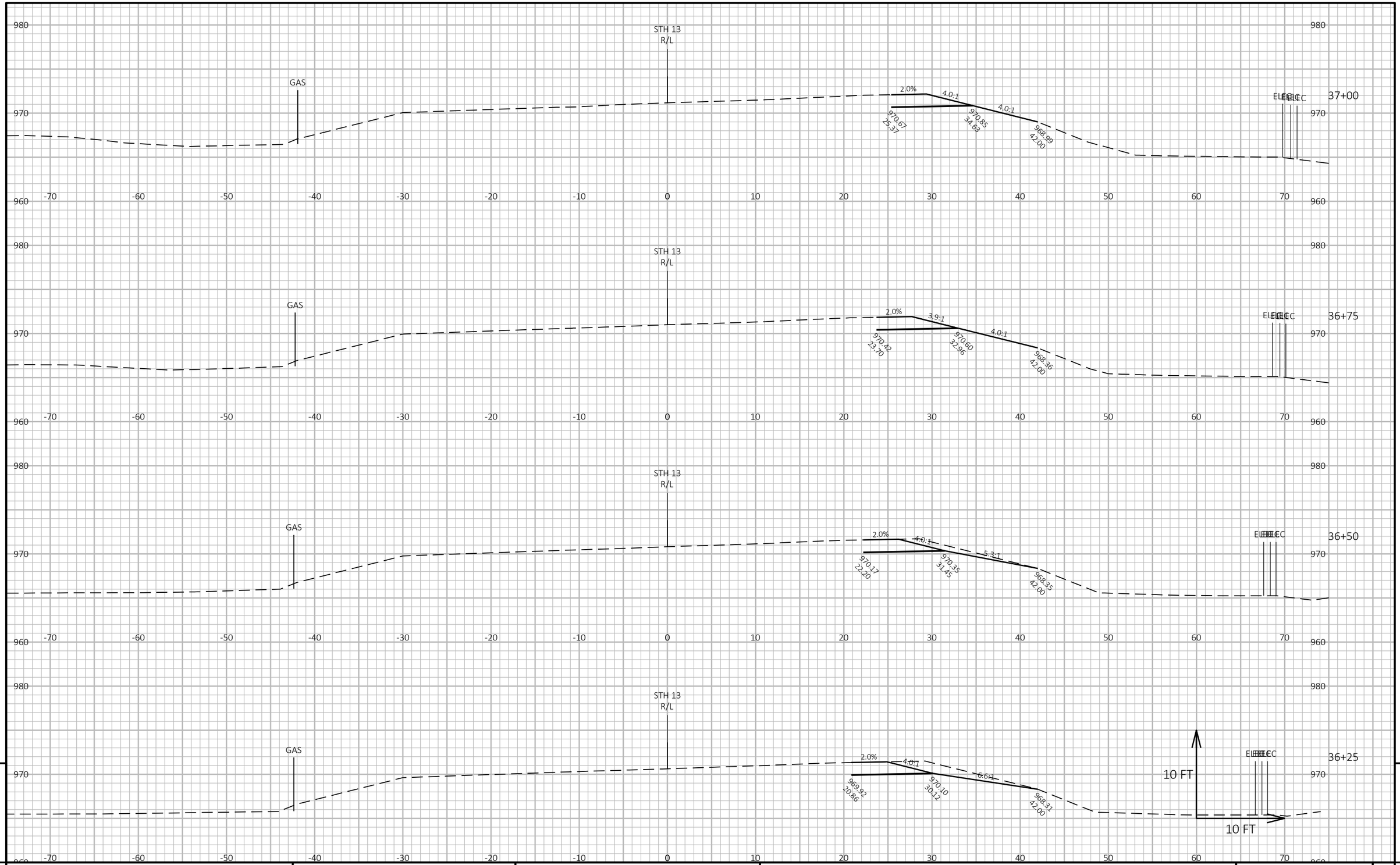
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 4 WIDENING REMOVAL	SHEET 273	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



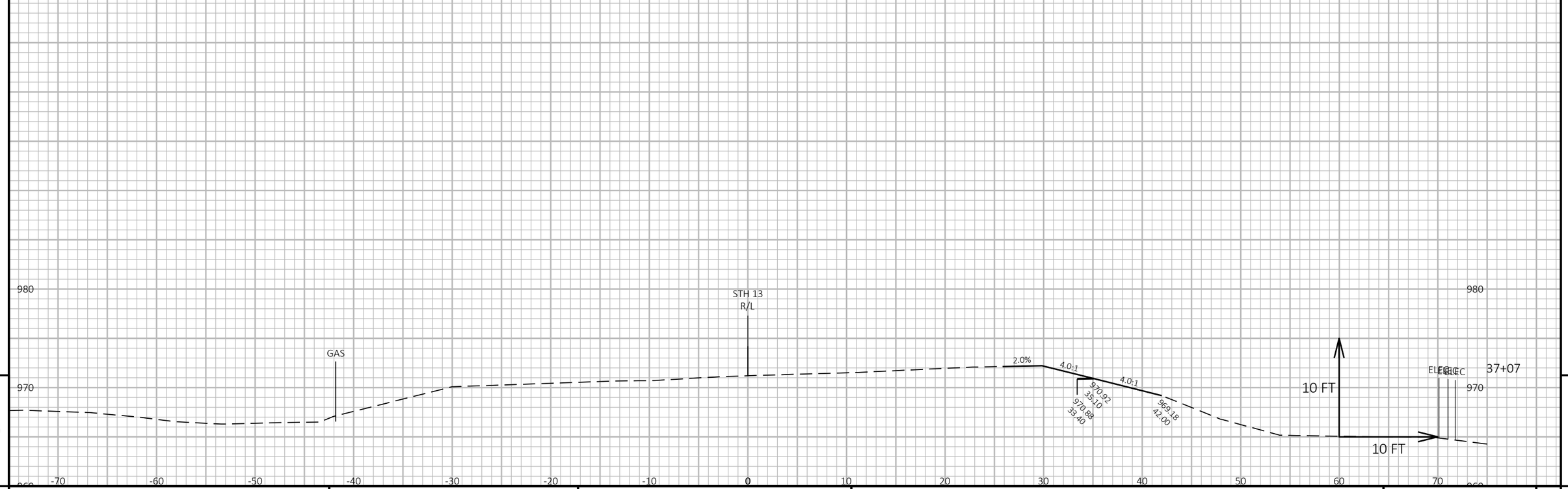
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 4 WIDENING REMOVAL	SHEET 274	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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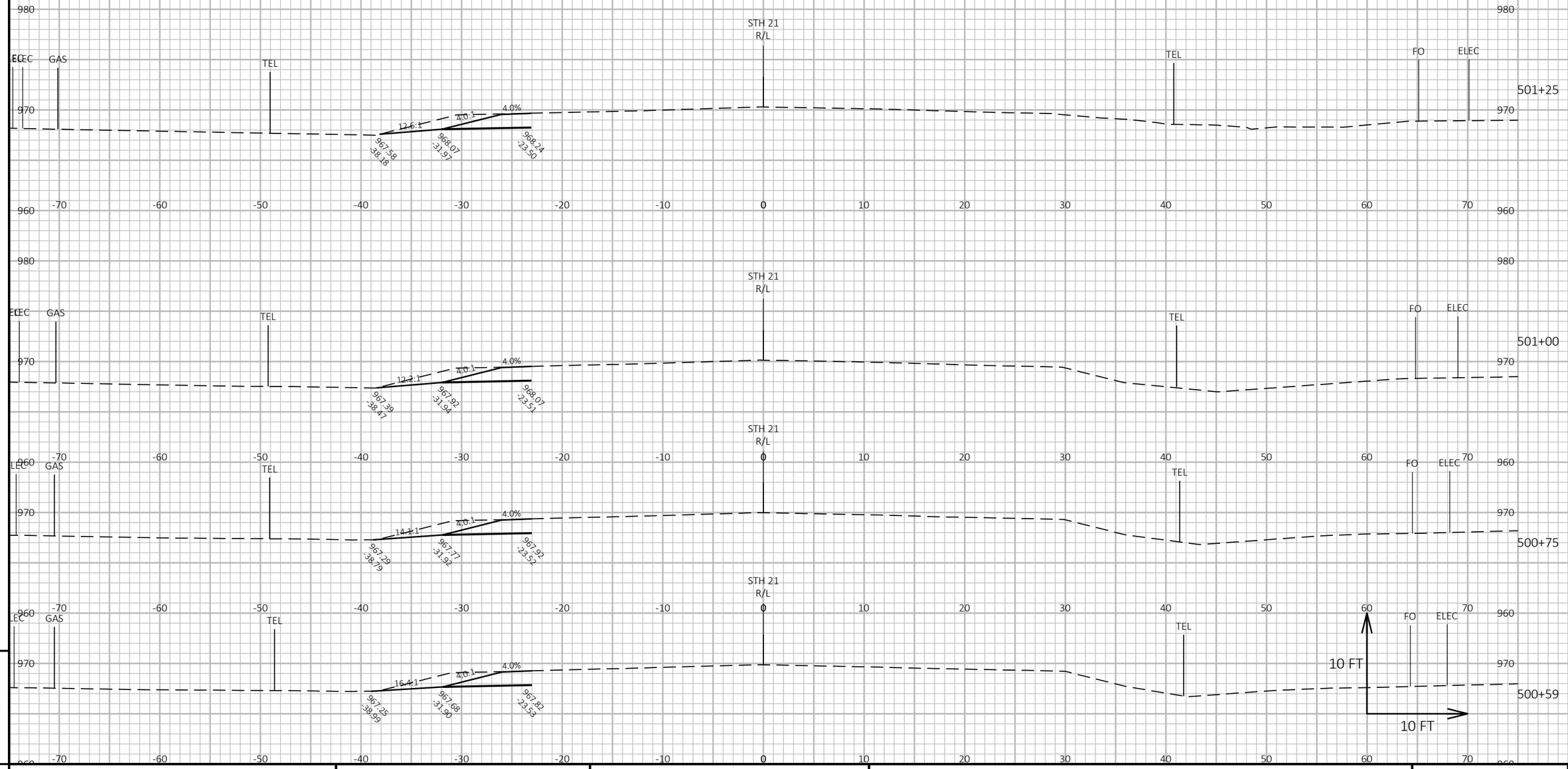
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 4 WIDENING REMOVAL	SHEET 275	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

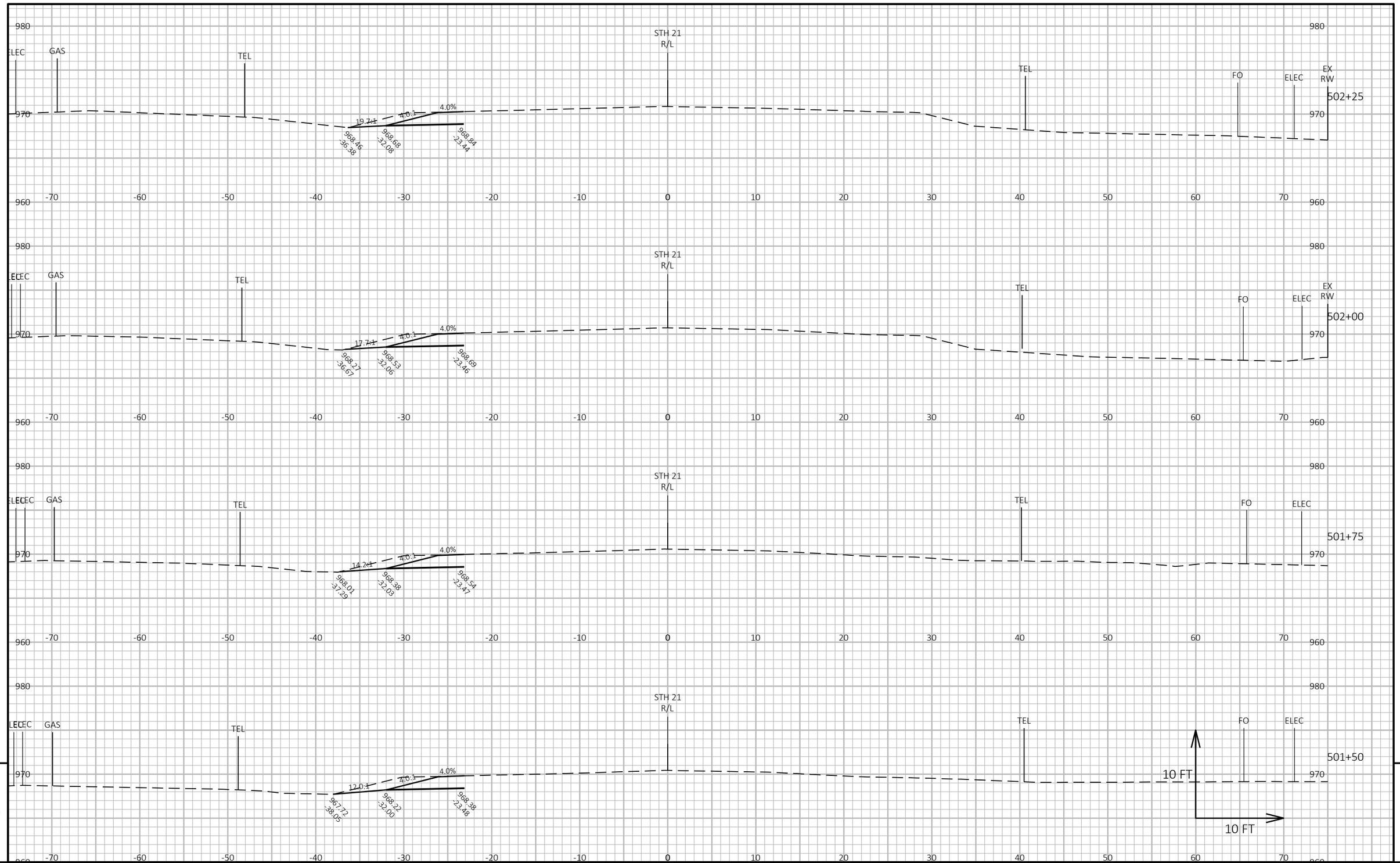


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 4 WIDENING REMOVAL	SHEET 276	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

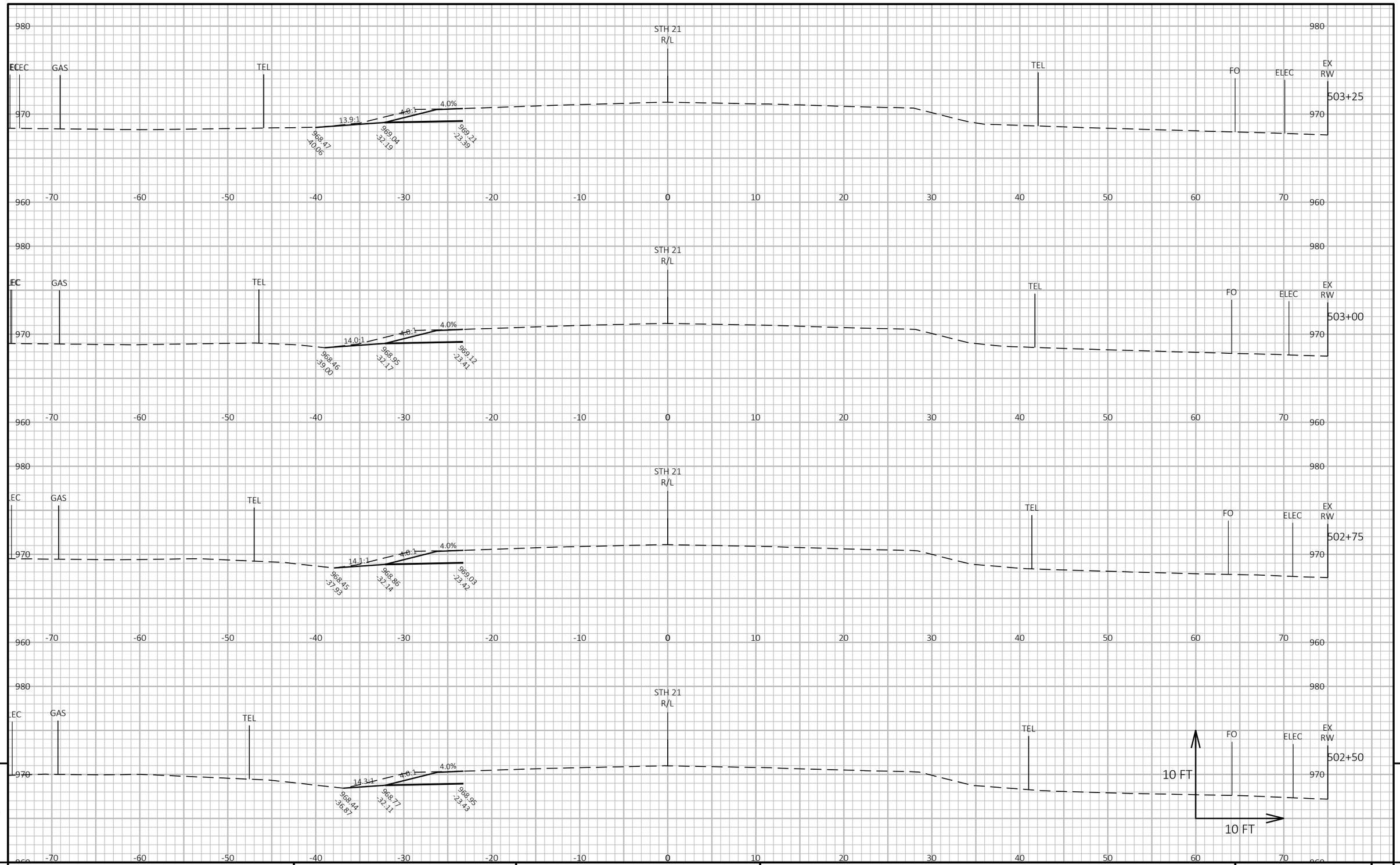


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 4 WIDENING REMOVAL	SHEET 277	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



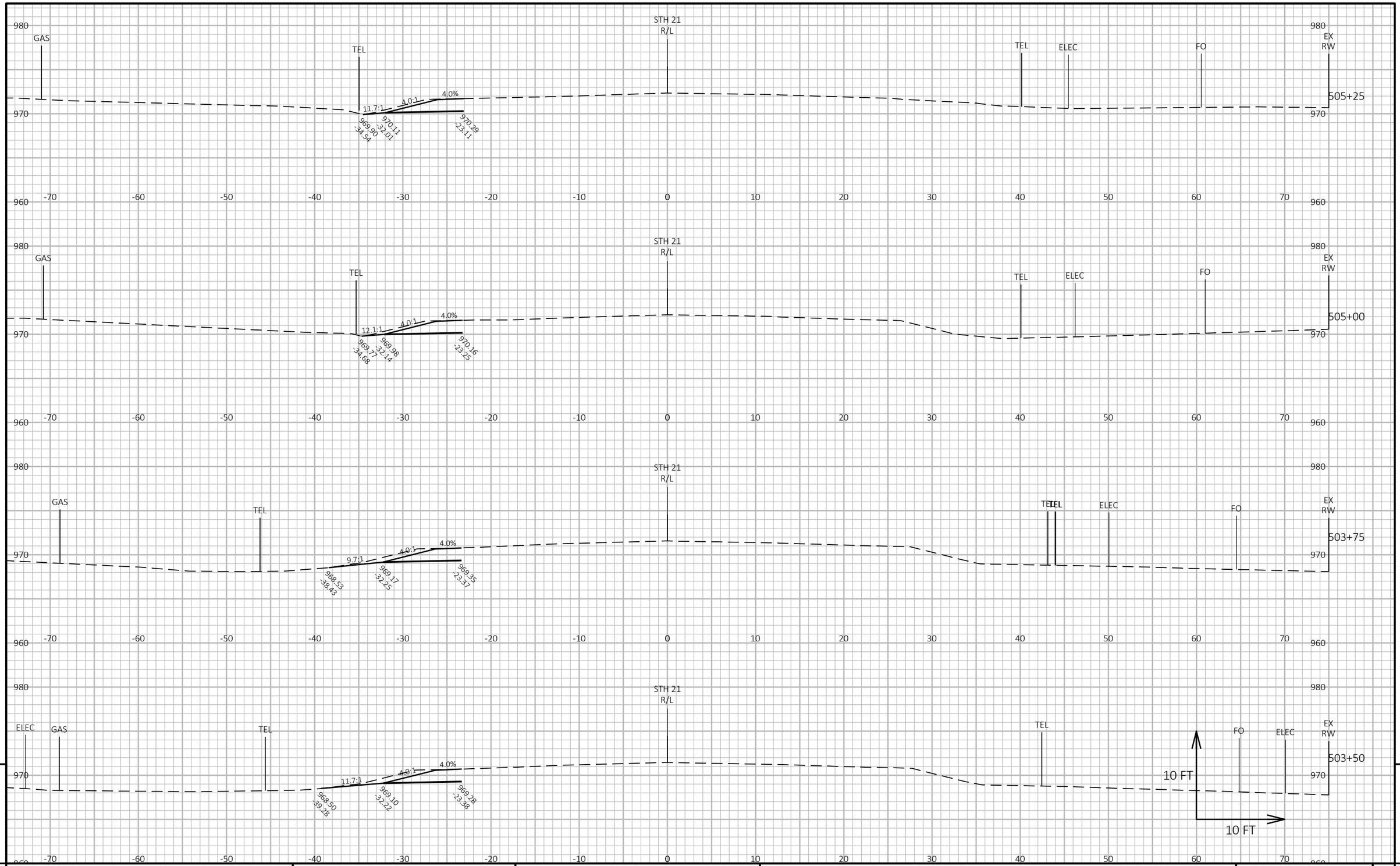
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 4 WIDENING REMOVAL	SHEET 278	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



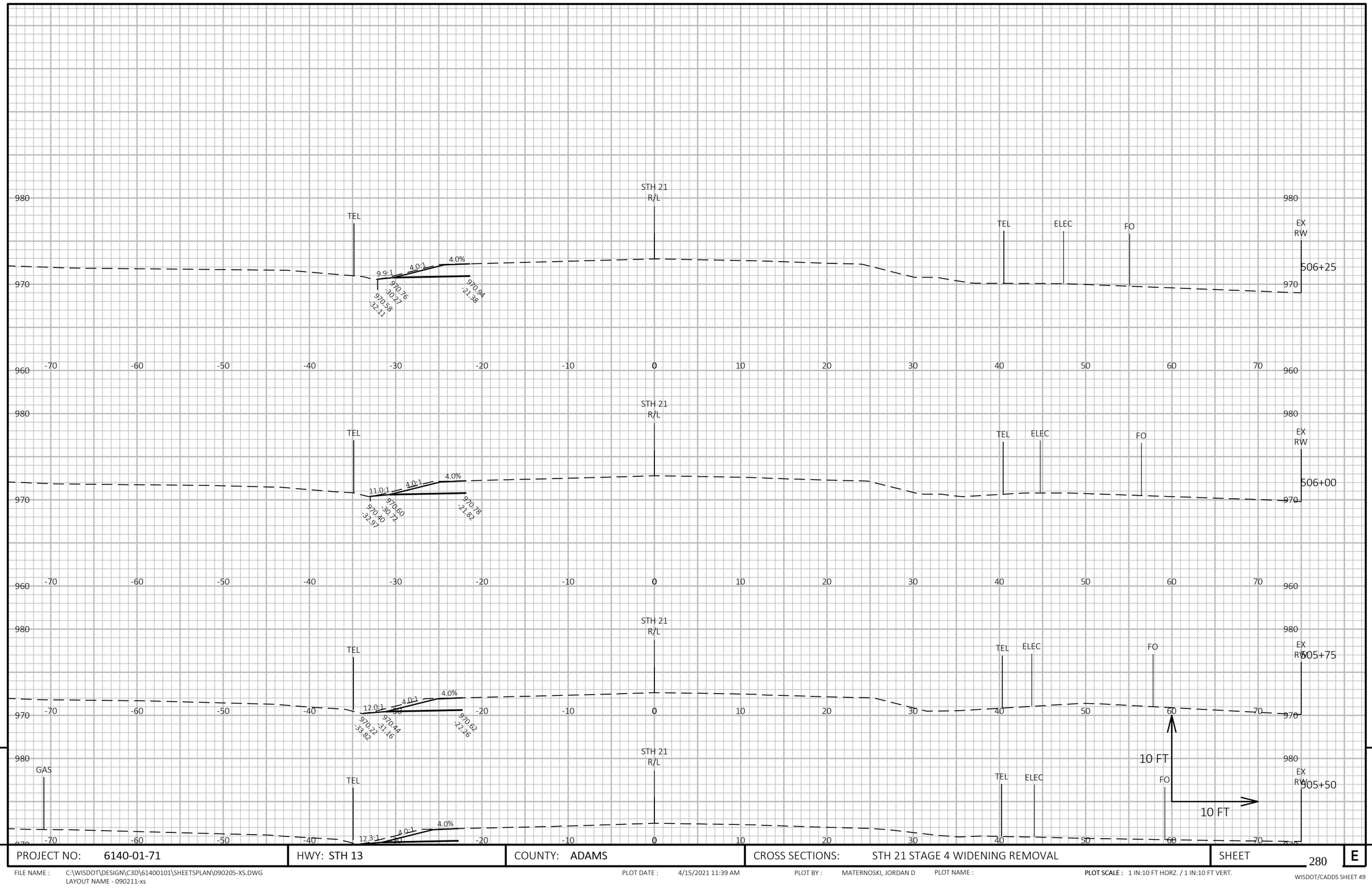
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 4 WIDENING REMOVAL	SHEET 279	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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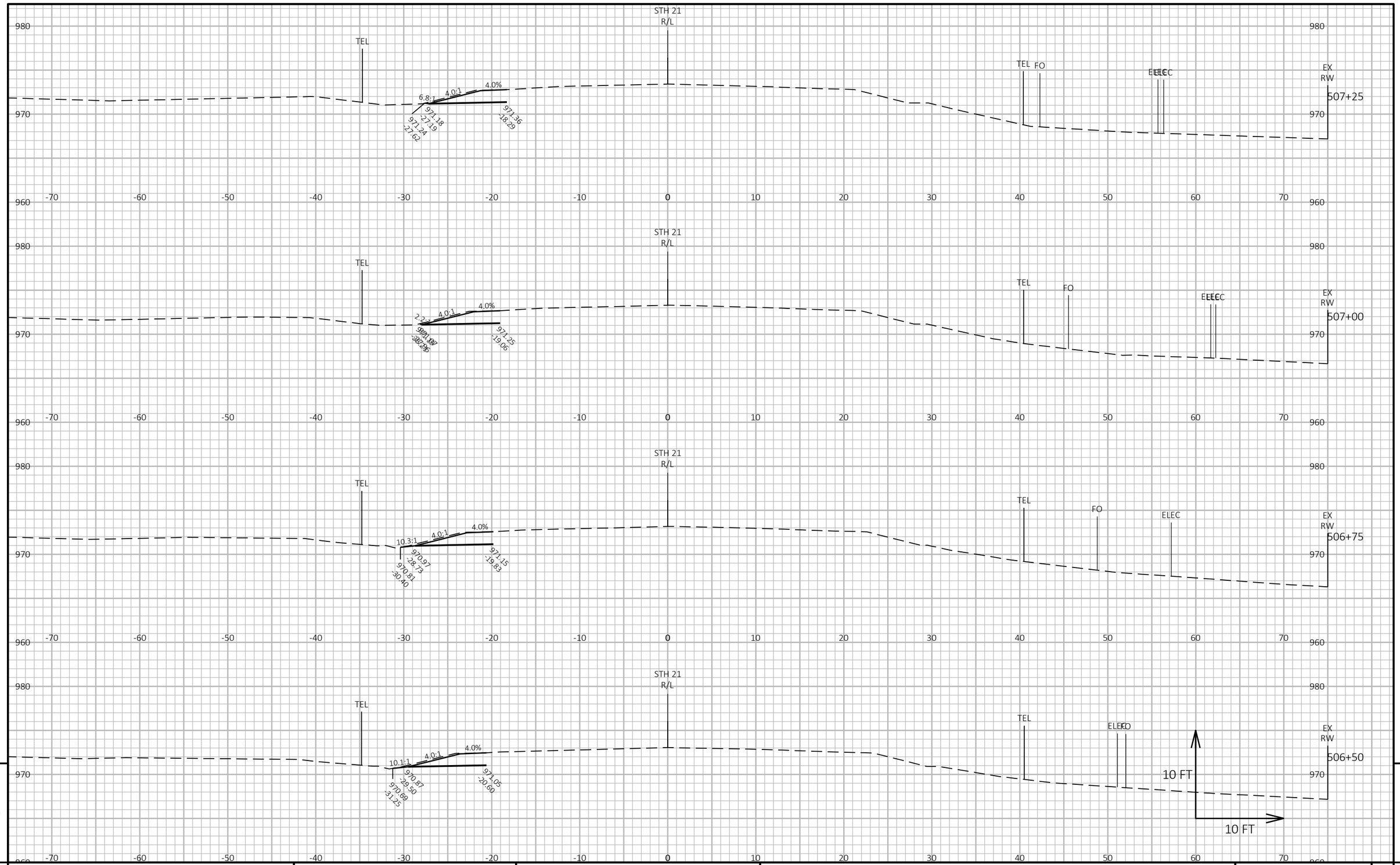
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 4 WIDENING REMOVAL	SHEET 280	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090211-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

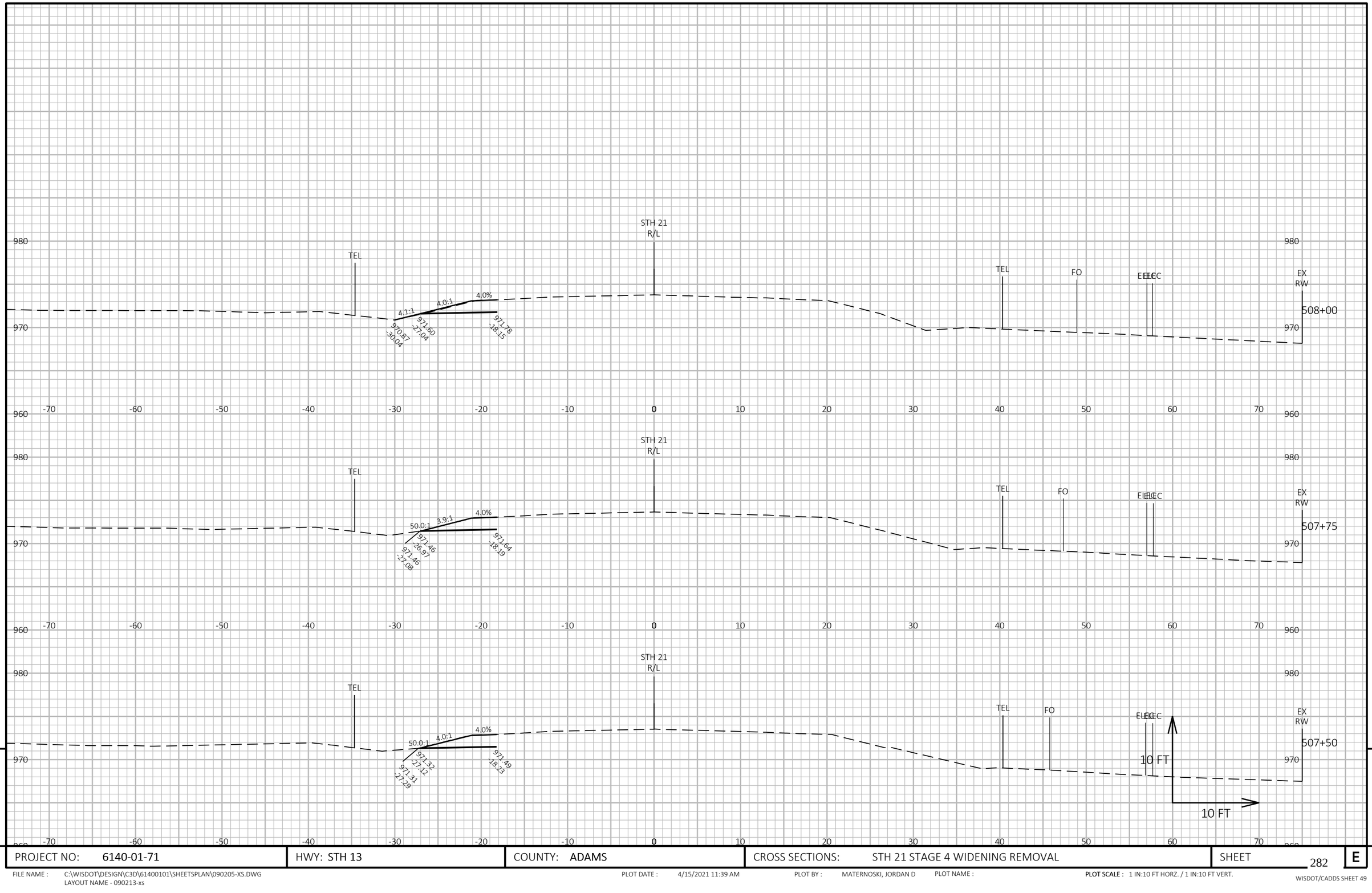


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 4 WIDENING REMOVAL	SHEET 281	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

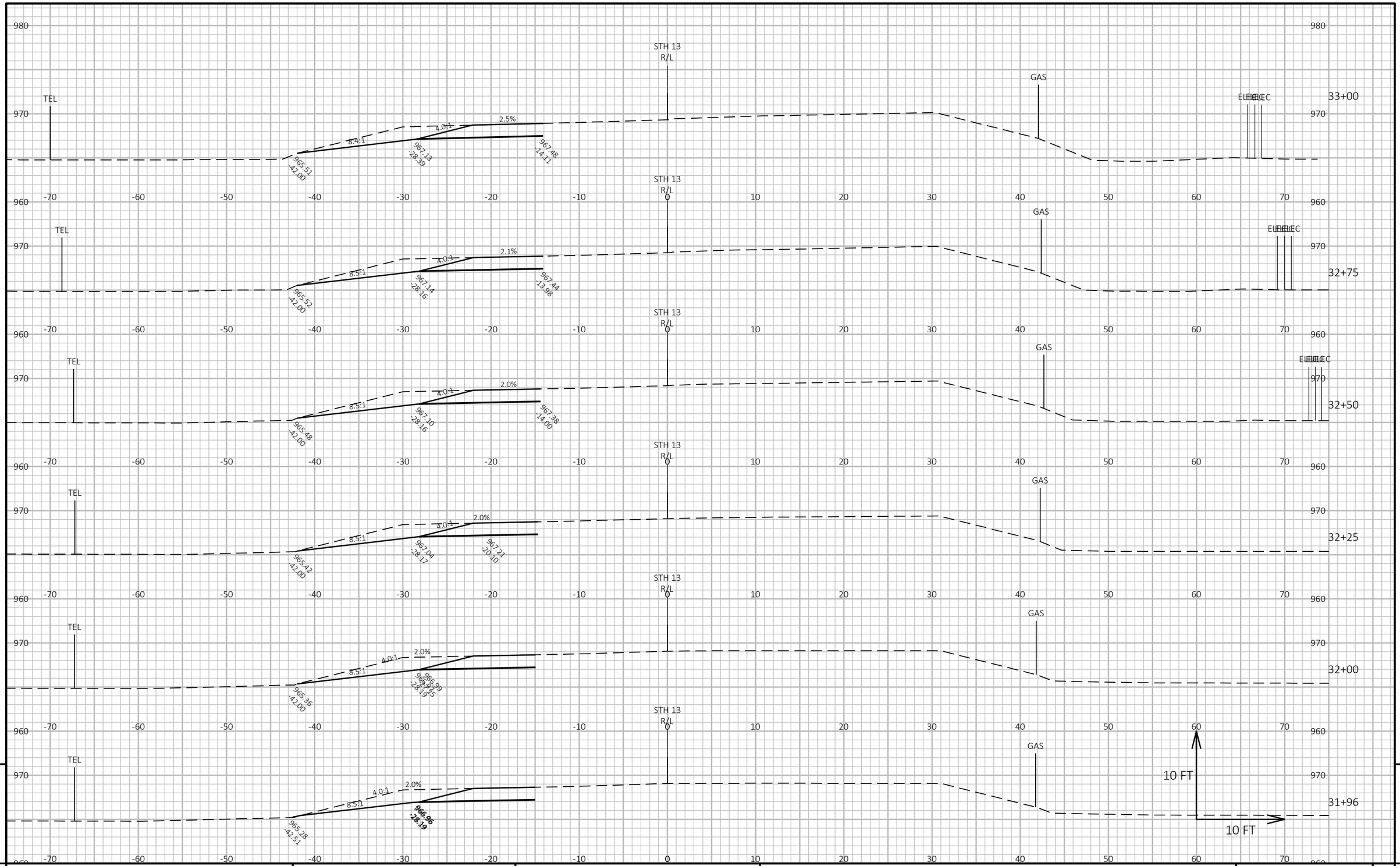


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 STAGE 4 WIDENING REMOVAL	SHEET 282	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090205-XS.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

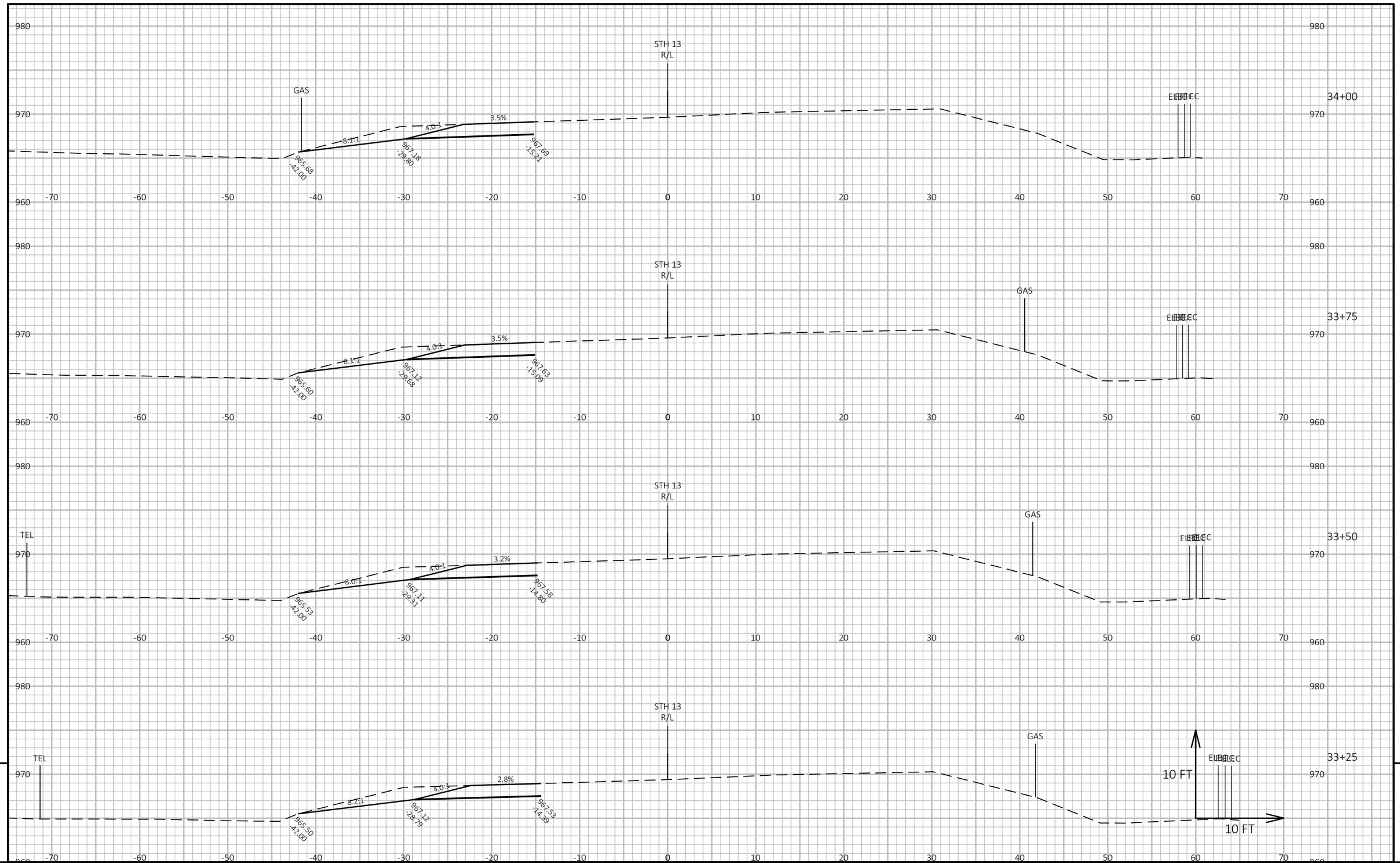


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 5 WIDENING REMOVAL	SHEET 283	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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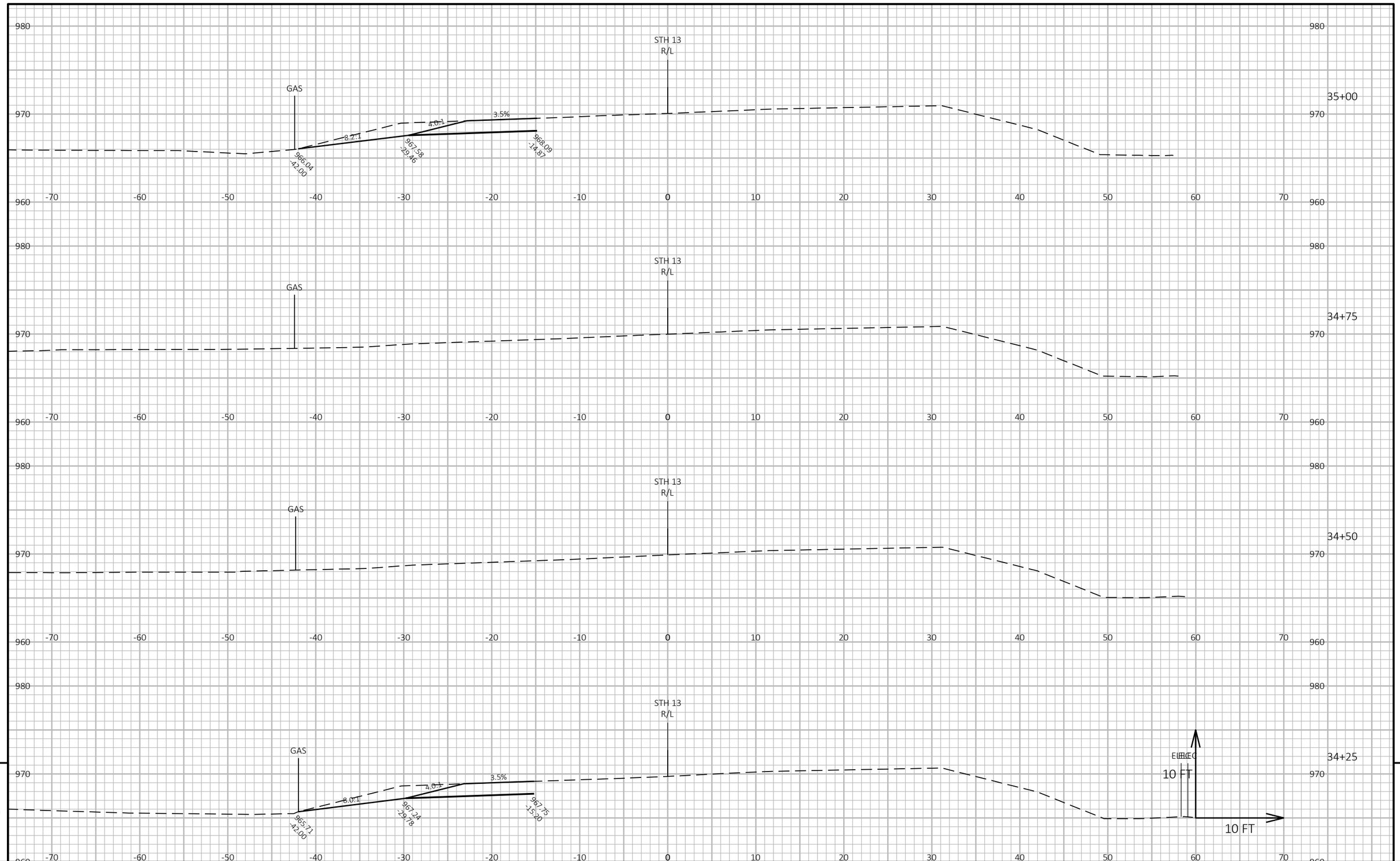
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 5 WIDENING REMOVAL	SHEET 284	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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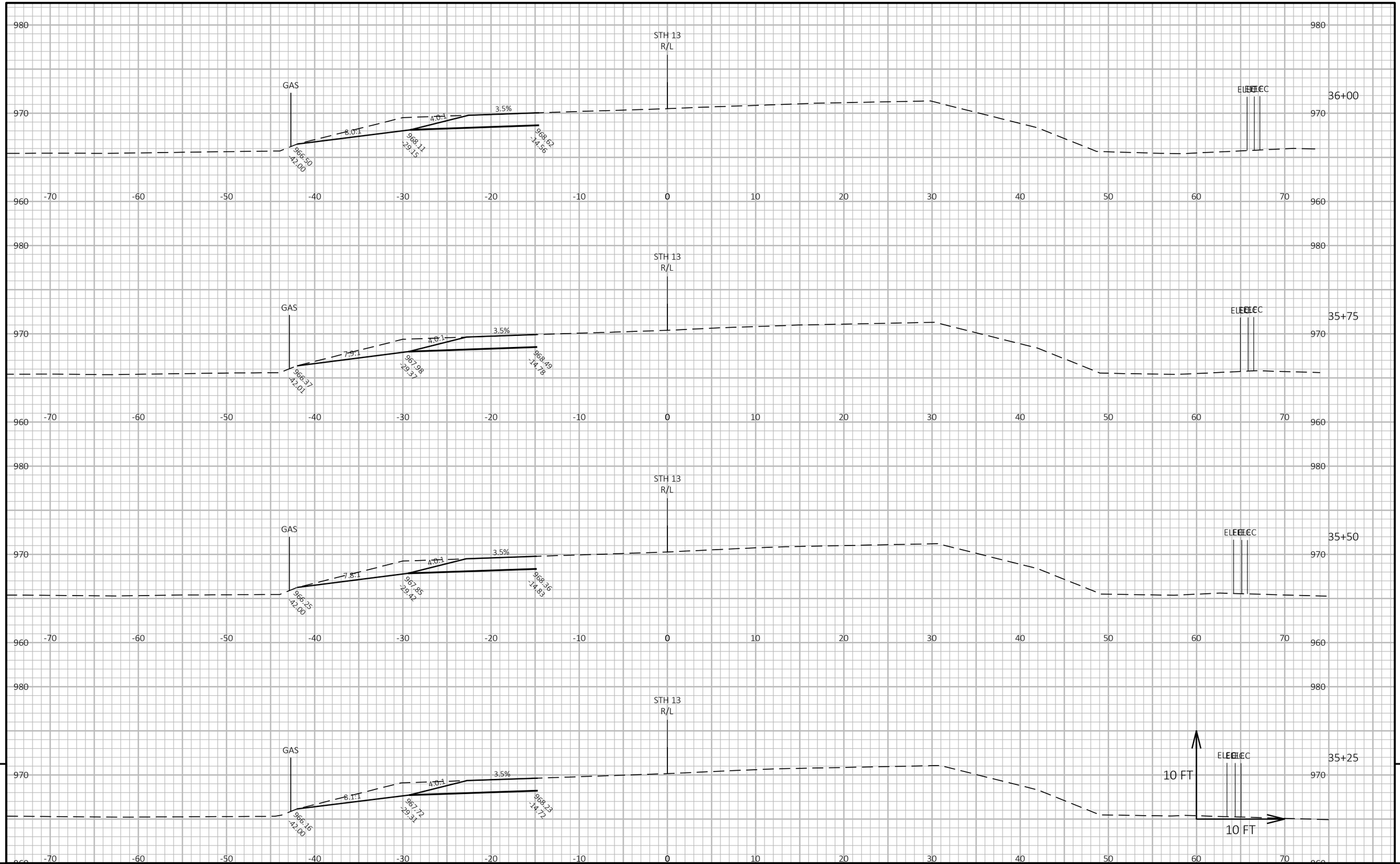
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 5 WIDENING REMOVAL	SHEET 285	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 4/15/2021 11:39 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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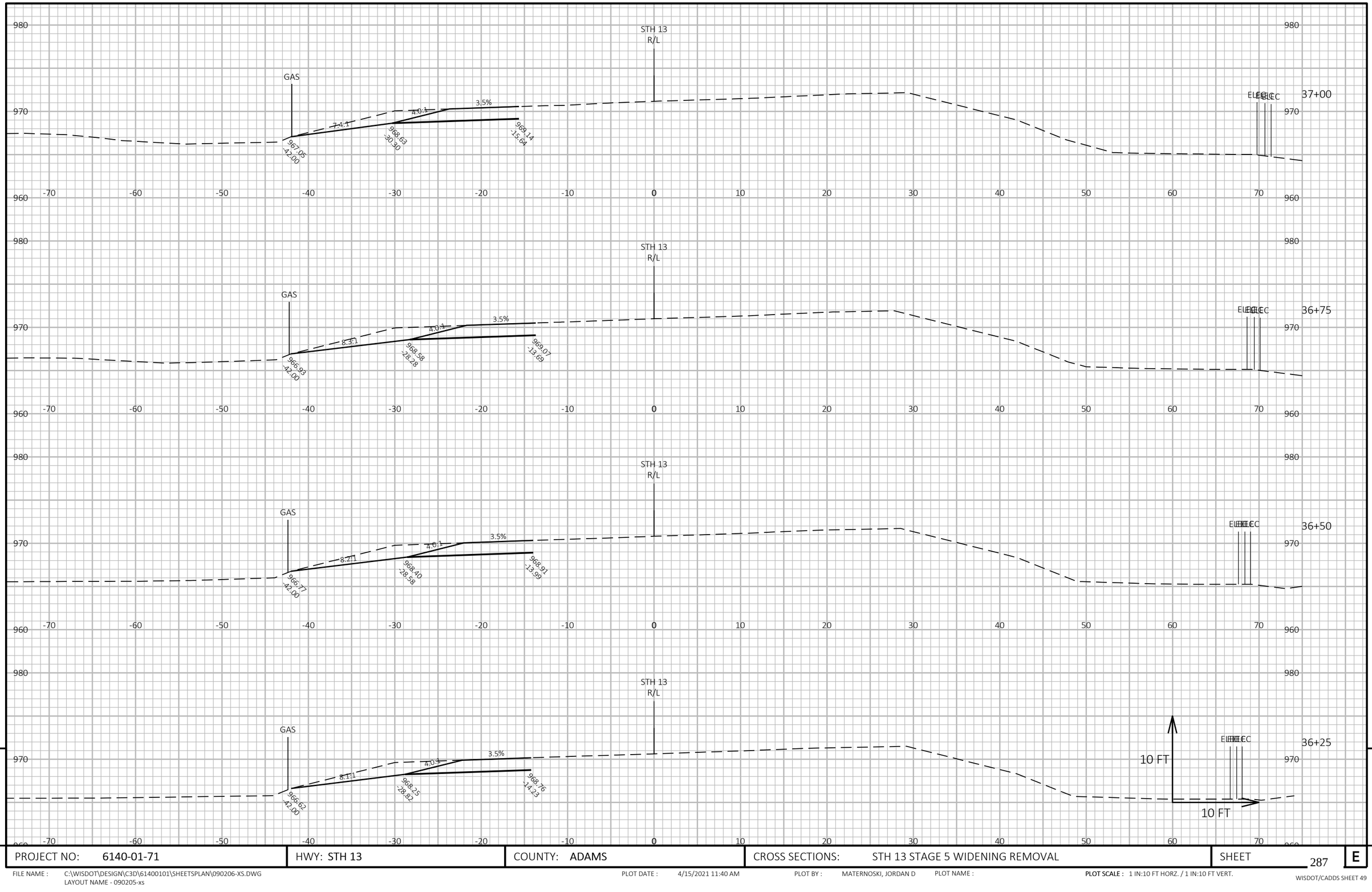
PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 5 WIDENING REMOVAL	SHEET 286	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 4/15/2021 11:40 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

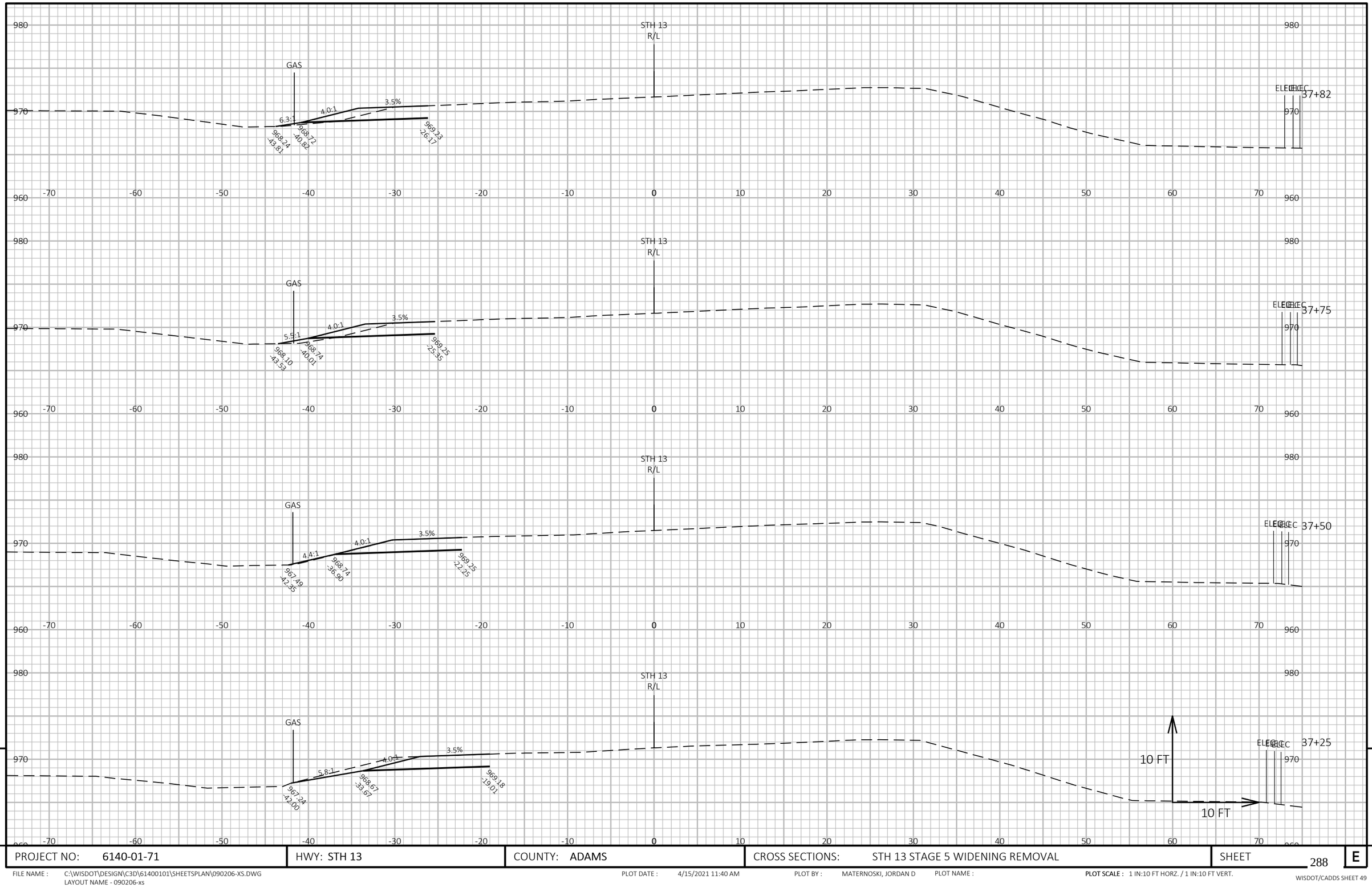


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 5 WIDENING REMOVAL	SHEET 287 E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 4/15/2021 11:40 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



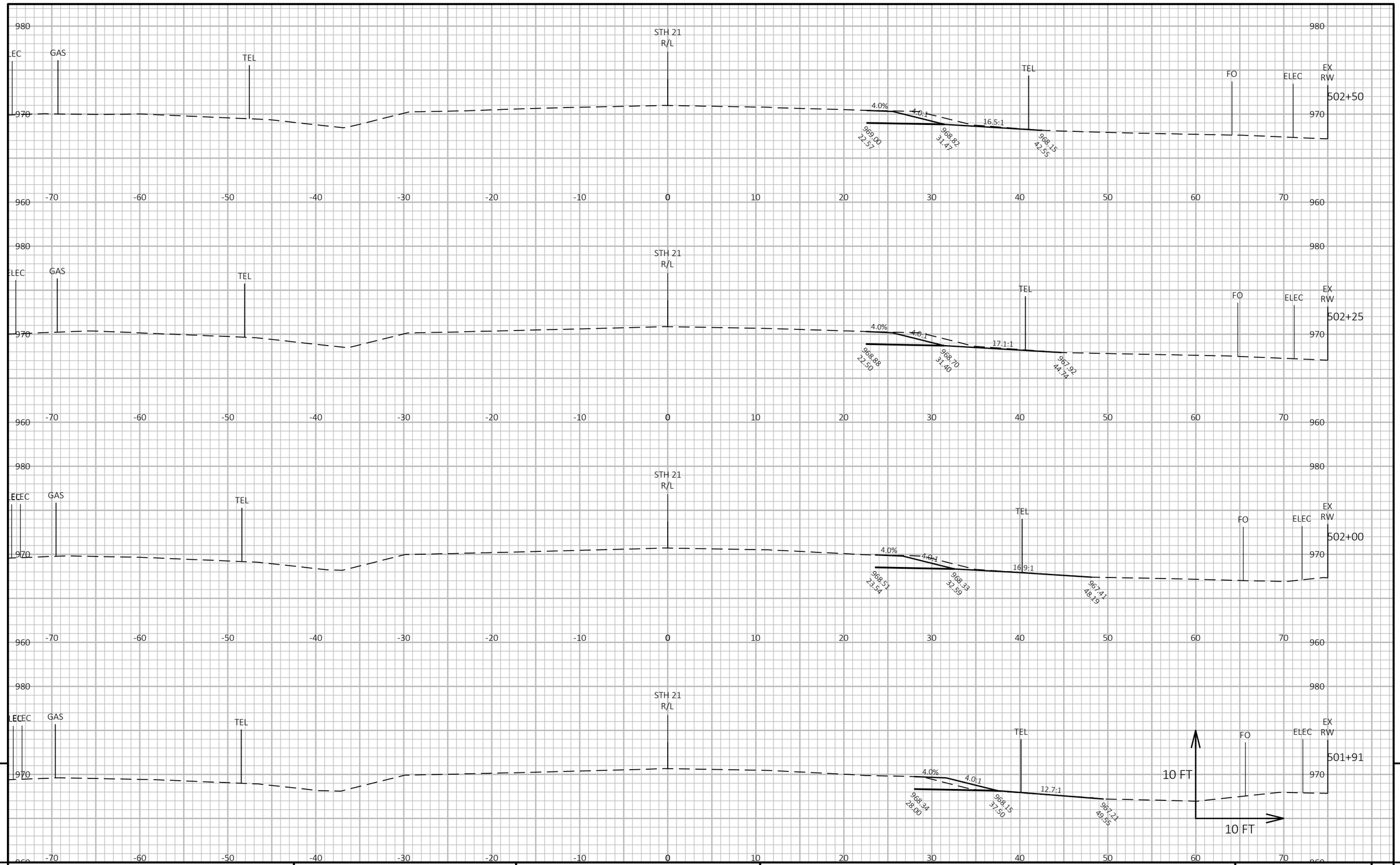
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 13 STAGE 5 WIDENING REMOVAL	SHEET 288	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 4/15/2021 11:40 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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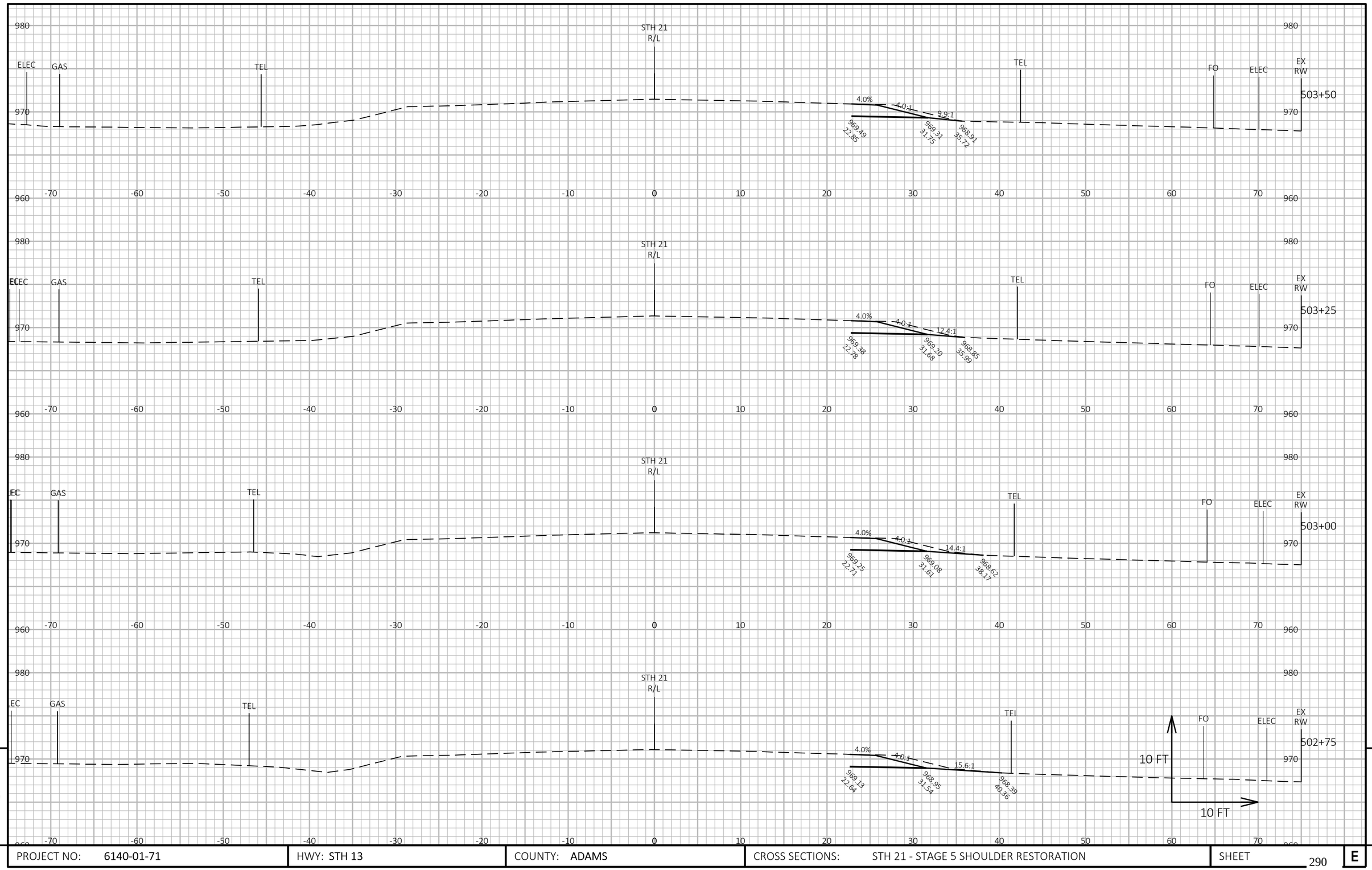
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 - STAGE 5 SHOULDER RESTORATION	SHEET 289	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 4/15/2021 11:40 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 - STAGE 5 SHOULDER RESTORATION	SHEET 290	E

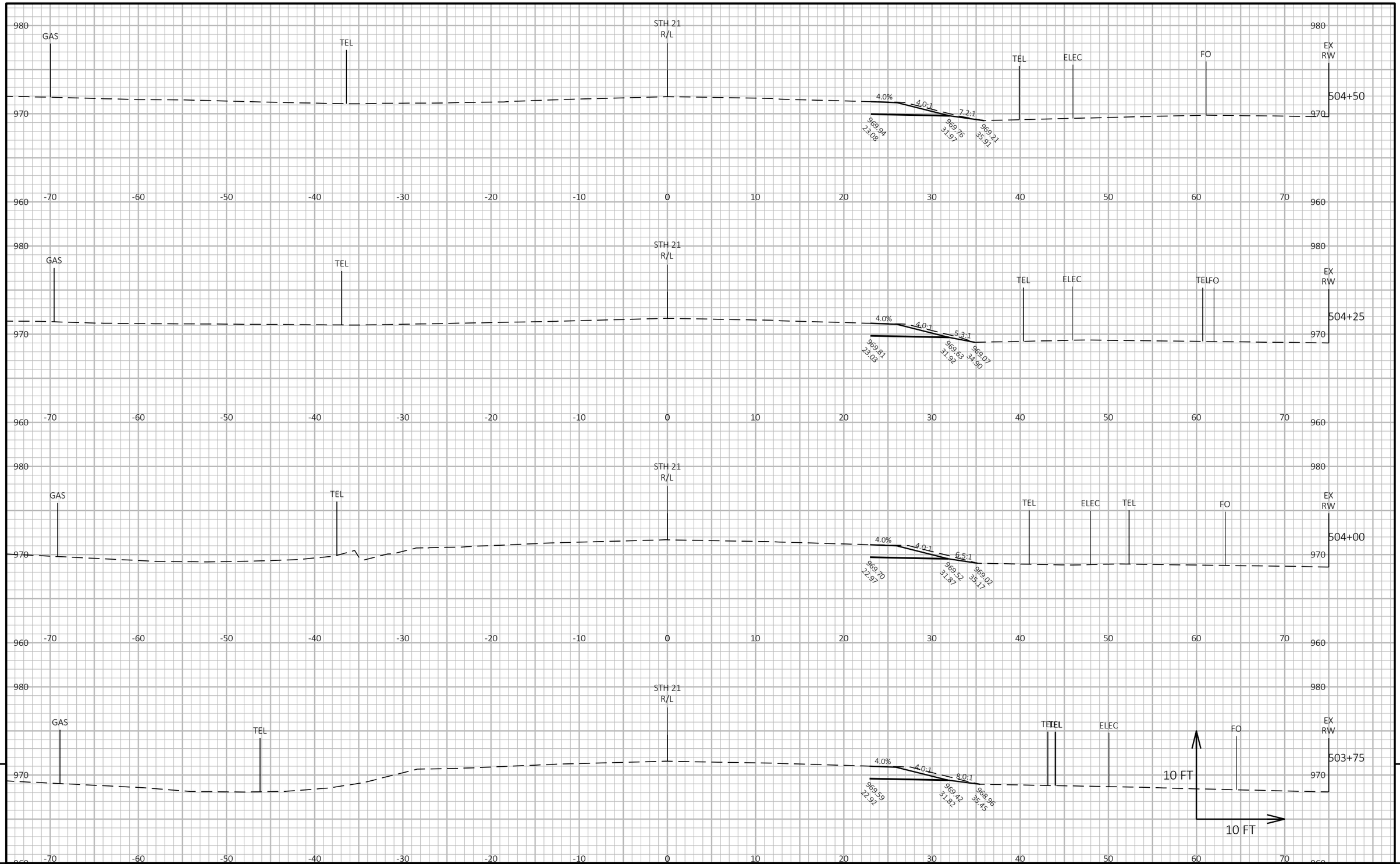
FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 4/15/2021 11:40 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



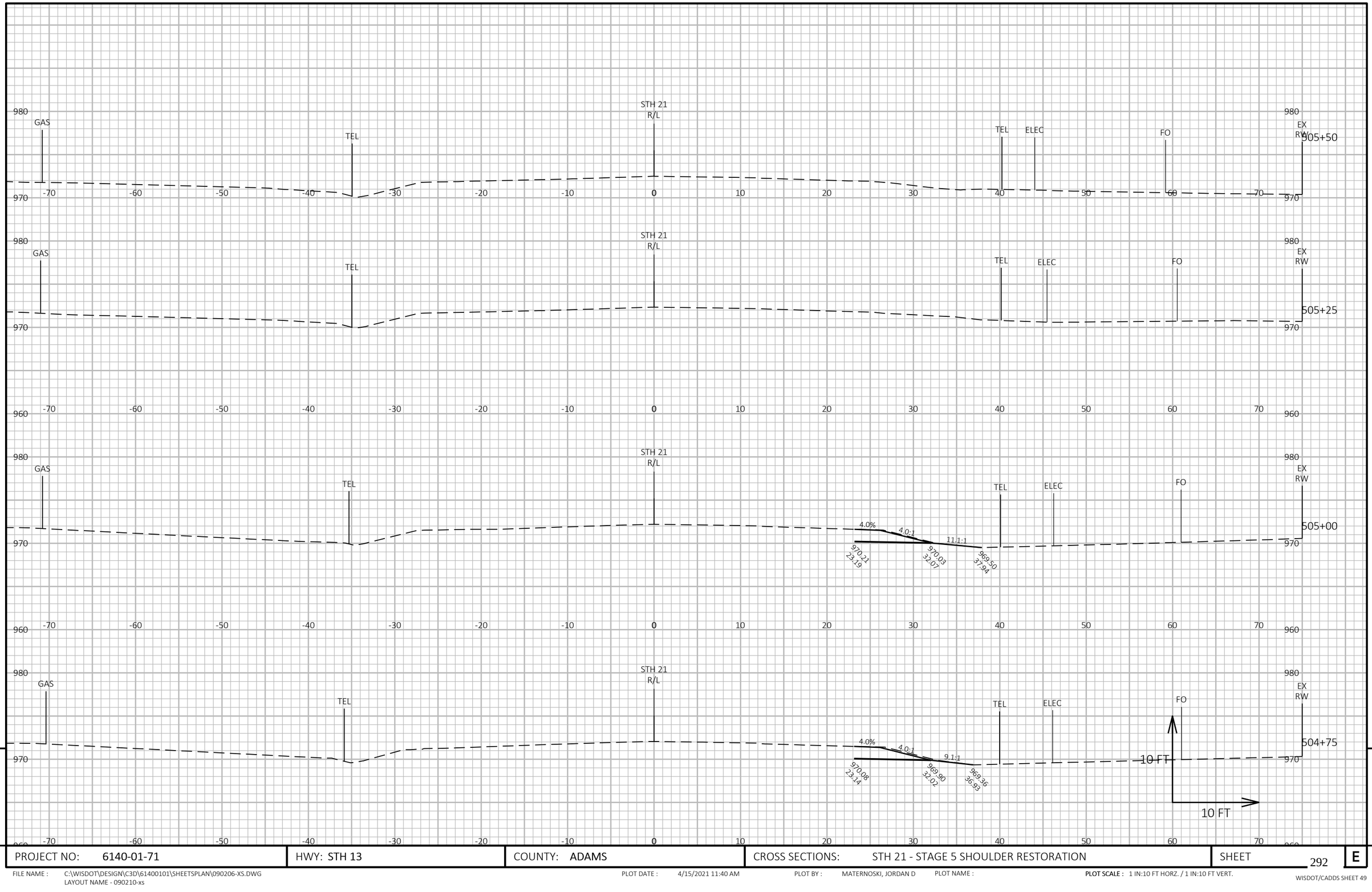
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 - STAGE 5 SHOULDER RESTORATION	SHEET 291	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 4/15/2021 11:40 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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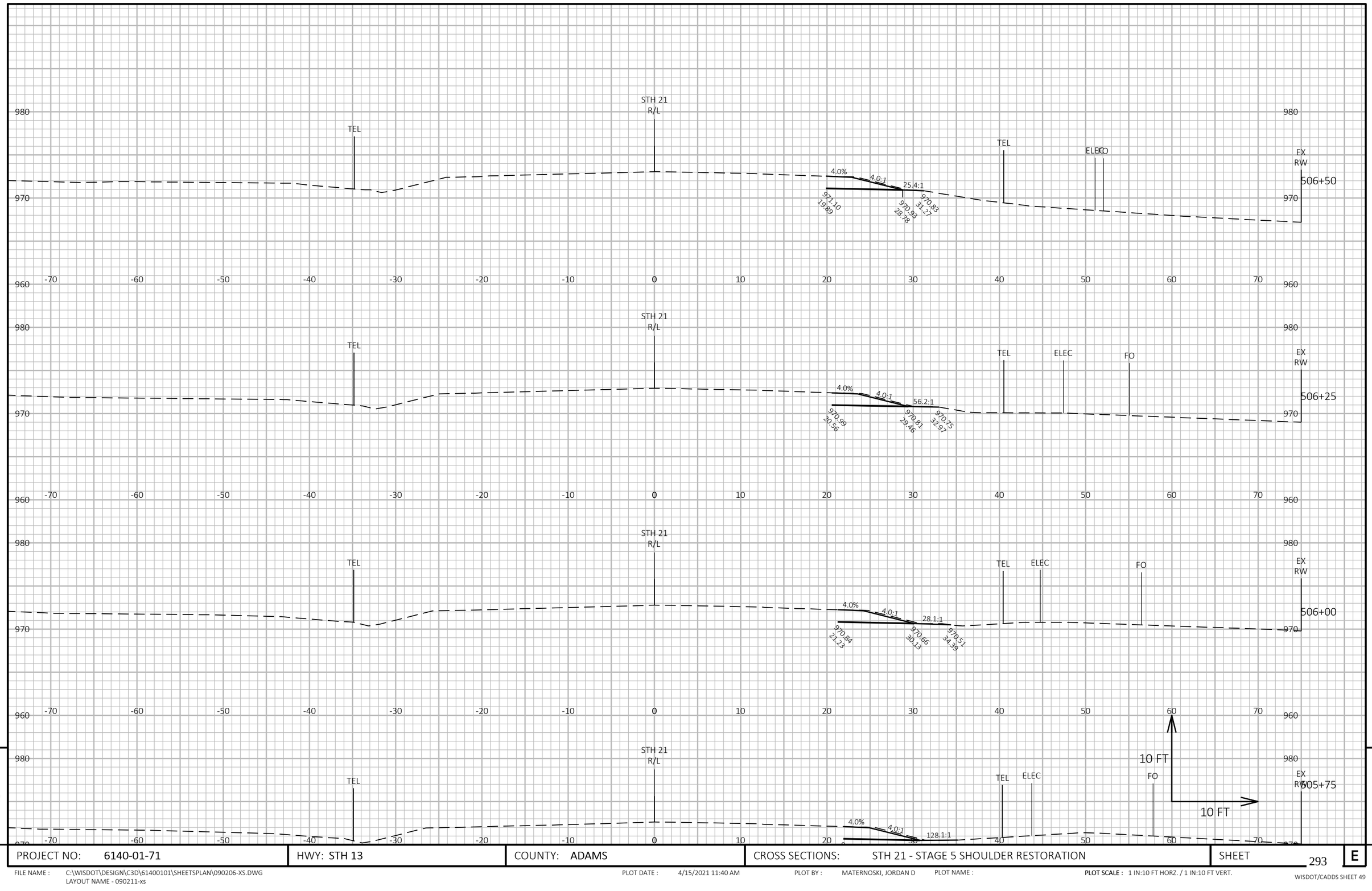
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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 - STAGE 5 SHOULDER RESTORATION	SHEET 292	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 4/15/2021 11:40 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 - STAGE 5 SHOULDER RESTORATION	SHEET 293	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090211-xs

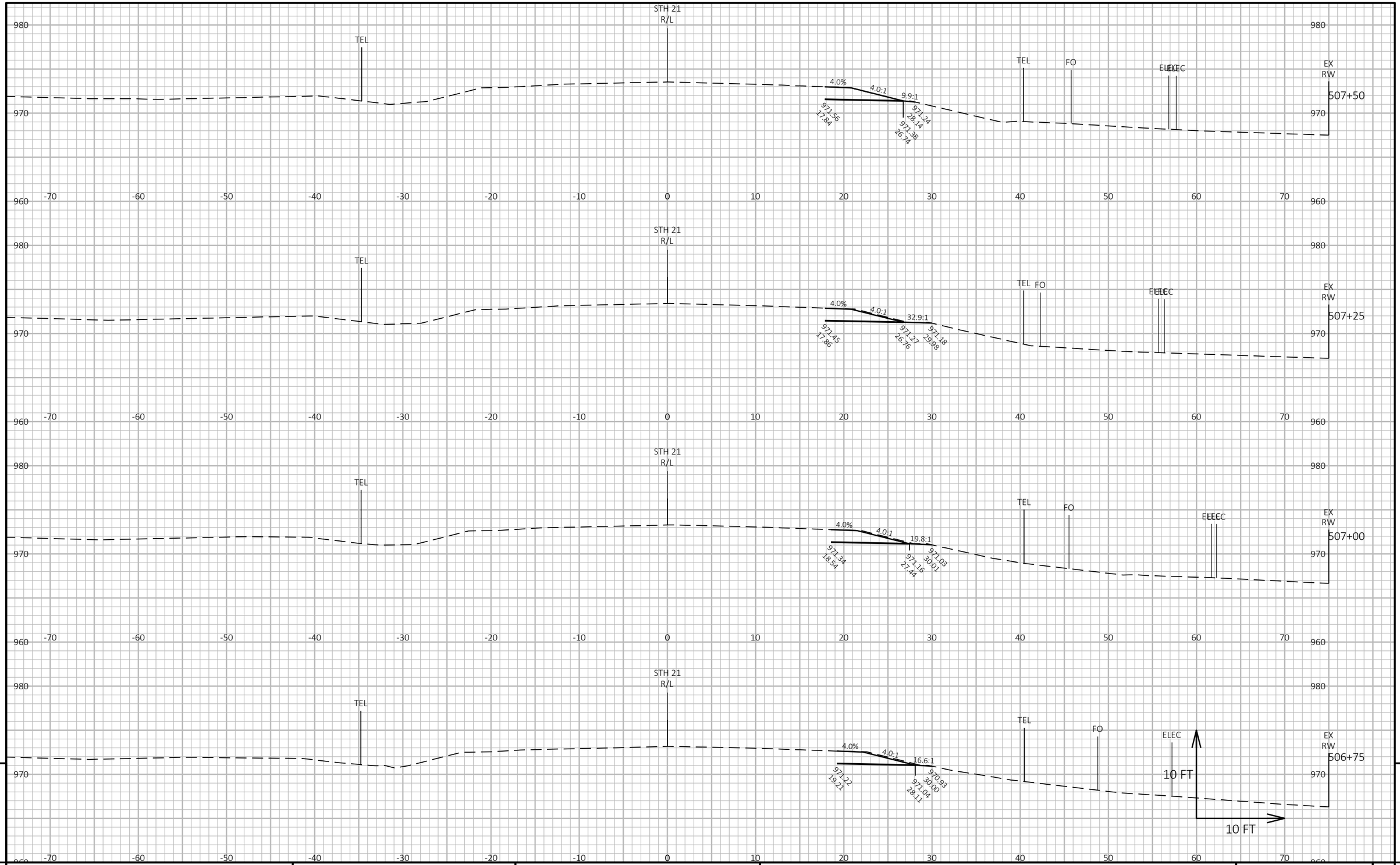
PLOT DATE : 4/15/2021 11:40 AM

PLOT BY : MATERNOSKI, JORDAN D

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

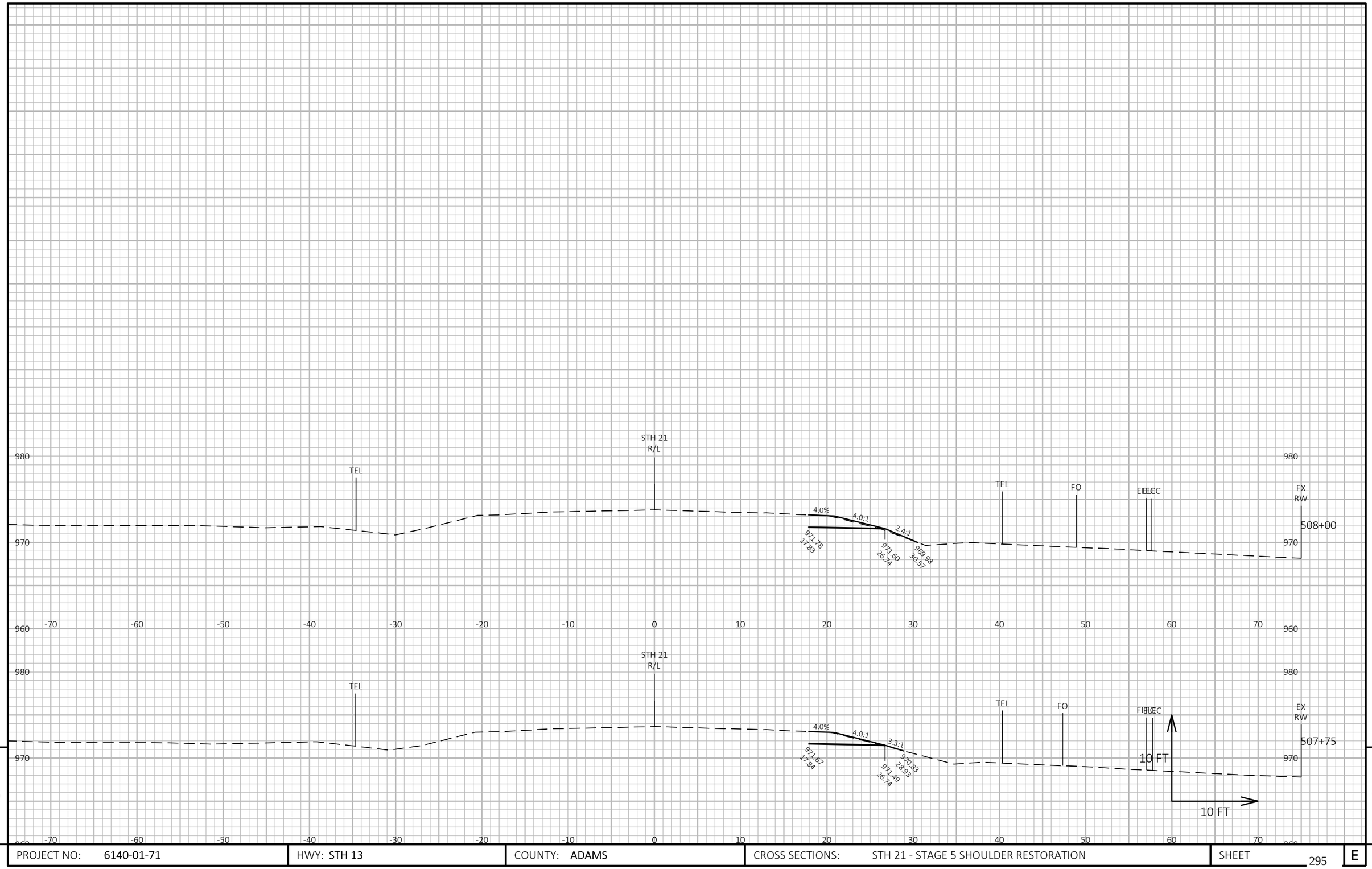


PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 - STAGE 5 SHOULDER RESTORATION	SHEET 294 E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 4/15/2021 11:40 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6140-01-71	HWY: STH 13	COUNTY: ADAMS	CROSS SECTIONS: STH 21 - STAGE 5 SHOULDER RESTORATION	SHEET 295	E

FILE NAME : C:\WISDOT\DESIGN\C3D\61400101\SHEETSPLAN\090206-XS.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 4/15/2021 11:40 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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