MAD MAY 2013

PROJECT ID: 5670-00-74

WITH:

COUNTY: ROCK

ORDER OF SHEETS

TOTAL SHEETS = 160

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

ALBANY - EVANSVILLE

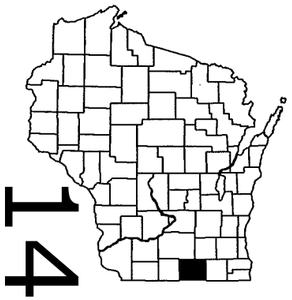
(STH 104 & STH 213 INTERSECTIONS)

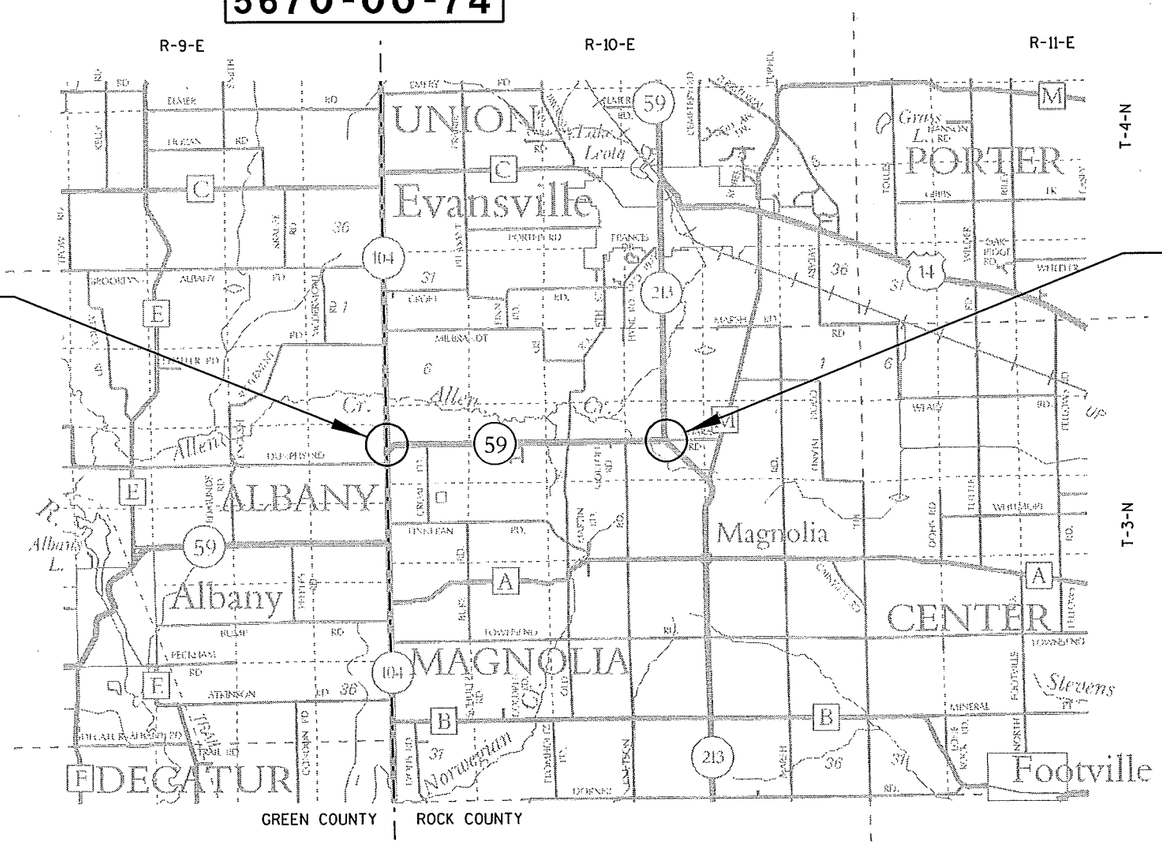
STH 59

ROCK COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5670-00-74	WISC 2013265	1

STATE PROJECT NUMBER
5670-00-74





STH 104/STH 59 INTERSECTION
X=400,408±
Y=288,500±

STH 59/STH 213 INTERSECTION
X=419,163±
Y=289,211±

DESIGN DESIGNATION		STH 59 & STH 104	STH 59 & STH 213
A.A.D.T. 2013	=	3,800	3,300
A.A.D.T. 2033	=	5,100	4,000
D.H.V.	=	N/A	N/A
D.D.	=	50/50	50/50
T.	=	10.3%	10.3%
DESIGN SPEED	=	55 MPH	55 MPH
ESALS	=	1,116,900	1,116,900

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

GREEN COUNTY | ROCK COUNTY

LAYOUT
SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.67 MI.

-"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), 'ROCK' COUNTY."

ORIGINAL PLANS PREPARED BY

PEOPLE WHO CARE, CREATING QUALITY TRANSPORTATION TODAY AND TOMORROW

WISDOT SOUTHWEST REGION - MADISON OFFICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	
Designer	EMRAN BHUIYAN
Project Manager	BOB LEX
Regional Examiner	
Regional Supervisor	CHRIS HODGES
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 2-2-13 (Signature)

E

GENERAL NOTES

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

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.

EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE EROSION CONTROL IMPLEMENTATION PLAN (ECIP). ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT, SAWCUT WHERE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

THE LOCATION AND WIDTH OF DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB & GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

STORM SEWER PIPE ELEVATIONS, LENGTH, AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

EXISTING STORM SEWER SIZES SHOWN ARE APPROXIMATE AND THE CONTRACTOR WILL BASE IT'S BID ON THE ACTUAL FIELD SIZES.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

FILL QUANTITIES HAVE BEEN EXPANDED BY A FACTOR OF 1.25 ON YARDAGE SHEETS.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 110 LB/SY/IN.

5-INCH HWA PAVEMENT SHALL BE CONSTRUCTED WITH ONE 3-INCH LOWER LAYER (PG58-28) AND ONE 2-INCH UPPER LAYER (PG 58-28).

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES SHALL BE CONSTRUCTED WITH ONE 2.5-INCH LAYER .

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

DIGGERS HOTLINE

Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

UTILITY, MUNICIPILITY AND COUNTY

UTILITY	CONTACT	UTILITY TYPE
EVANSVILLE WATER AND LIGHT	SCOTT GEORGE 31 SOUTH MADISON ST. P.O. BOX 76 EVANSVILLE, WI 53536	ELECTRICITY
AT&T WISCONSIN	TOM KIEFER 316 W WASHINGTON AVE RM 607 MADISON, WI 53703	CABLES & FO
FRONTIER COMMUNICATIONS	ROBERT CHURCH 118 DIVISION ST. PLYMOUTH, WI 53073	COMMUNICATION LINE
MUNICIPILITIES		
CITY OF EVANSVILLE	DAVID WARTENWEILER 535 S MADISON ST. EVANSVILLE, WI 53536	CITY ENGINEERING
VILLAGE OF ALBANY	JON RUNAAS 206 N WATER ST. ALBANY, WI 53502	PUBLIC WORKS
TOWNSHIP AND COUNTY		
TOWN OF MAGNOLIA	GRACEANN TOBERMAN 14729 W COUNTY ROAD A EVANSVILLE, WI 53536	CLERK
ROCK COUNTY	BENJAMIN J COOPMAN 3715 NEWVILLE ROAD JANESVILLE, WI 53545	DPW
GREEN COUNTY	JEFF WUNSCHEL 2813 6TH STREET P.O.BOX 259 MONROE, WI 53566	DPW/SUPERINTENDENT

WISDOT REGION CONTACT

BOB LEX
WISDOT SOUTHWEST REGION
MADISON OFFICE
2101 WRIGHT STREET
MADISON, WI. 53704-2583
PH: (608) 246-5622
robert.lex@dot.wi.gov

WDNR CONTACT

MIKE HALSTED
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI. 53711
PH: (608) 275-3308
michael.halsted@wisconsin.gov

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STH 104/STH 59 INTERSECTION

STH 59/STH 213 INTERSECTION

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PROJECT OVERVIEW	SHEET	E

FILE NAME : R:\Projects\d1_56700004\020201_po.dgn PLOT DATE : 24-JAN-2013 10:34 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000

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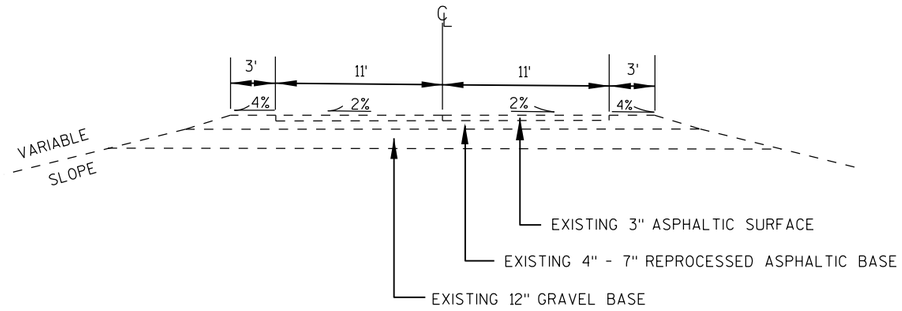
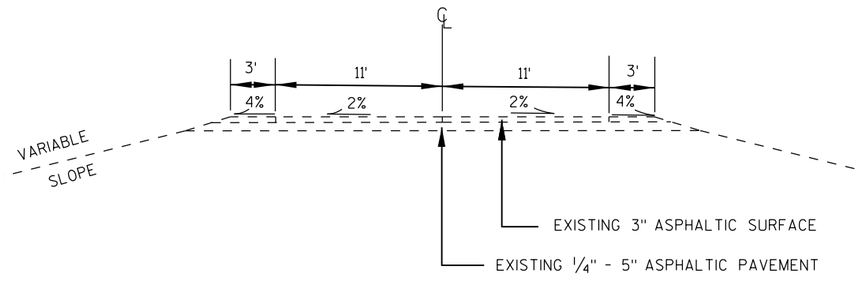


TYPICAL EXISTING SECTION

S.T.H. 104

STA. 14+89 - STA. 39+29



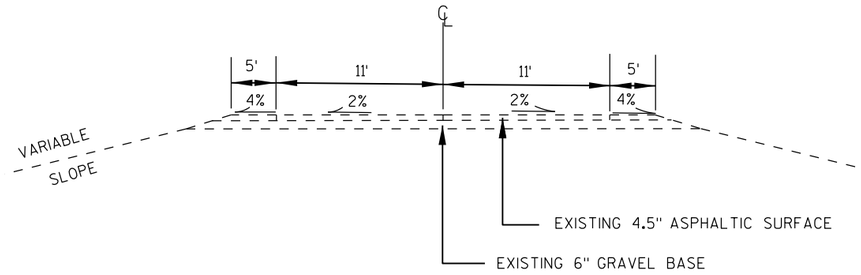
TYPICAL EXISTING SECTION

S.T.H. 59

STA. 11+00 - STA. 21+00

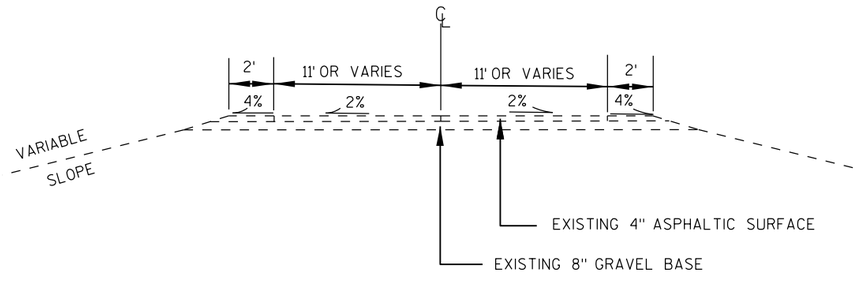
PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	EXISTING TYPICAL SECTIONS	SHEET	E

2



TYPICAL EXISTING SECTION

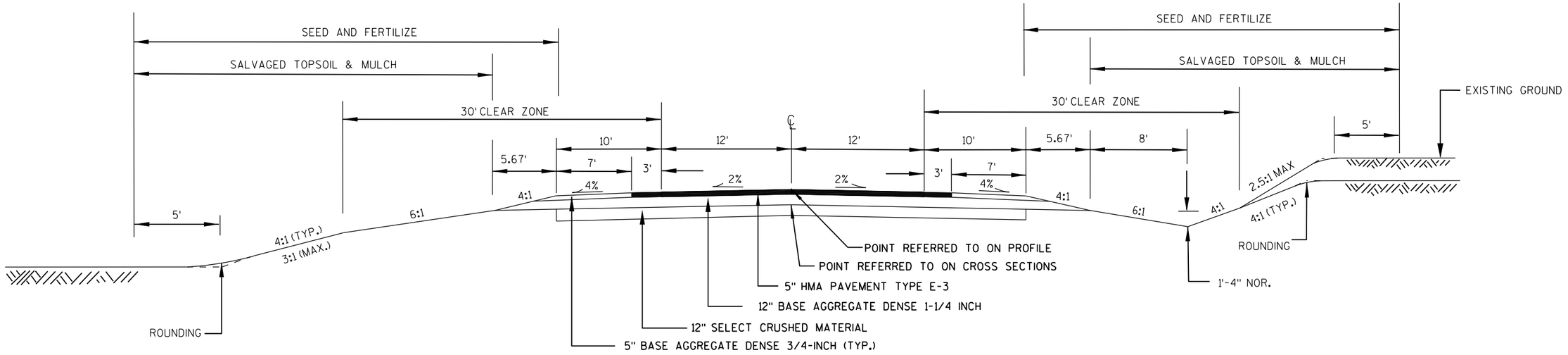
S.T.H. 213
STA. 0+00 - STA. 5+86



TYPICAL EXISTING SECTION

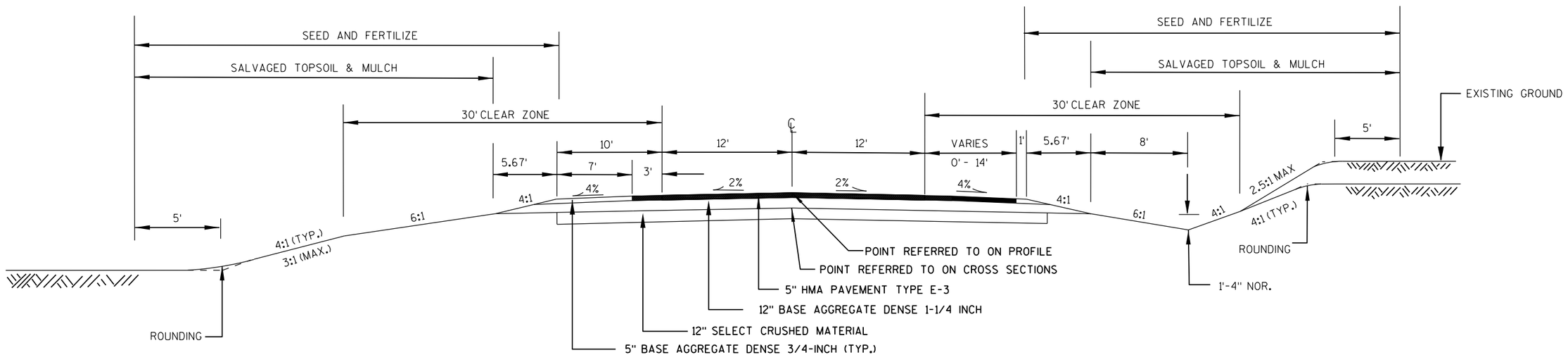
W AHARA ROAD
STA. 22+50 - STA. 23+51

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	EXISTING TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

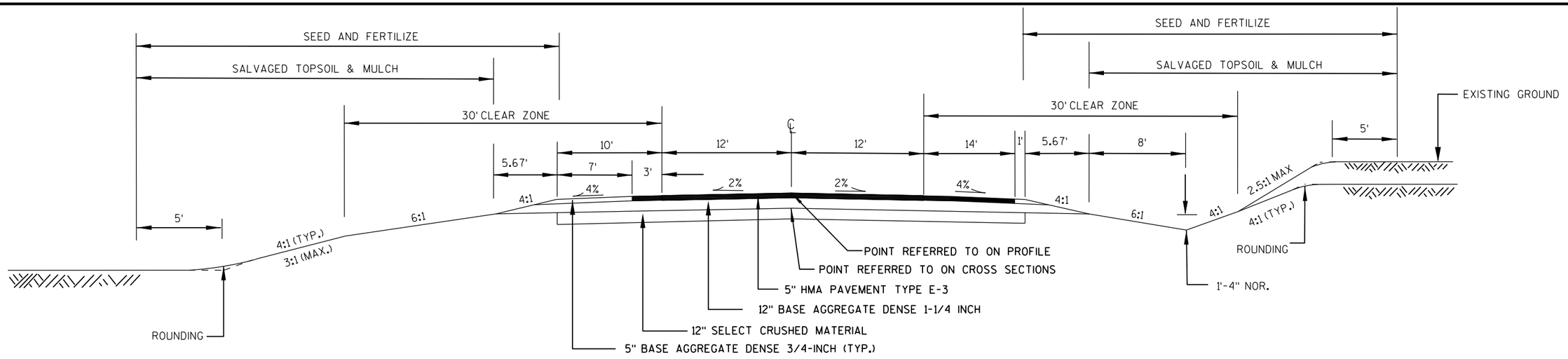
S.T.H. 104
STA. 14+89 - STA. 21+95.67
STA. 30+64.31 - STA. 31+75
STA. 37+23.58 - STA. 38+29



TYPICAL FINISHED SECTION

S.T.H. 104
STA. 21+95.67 - STA. 23+33.11

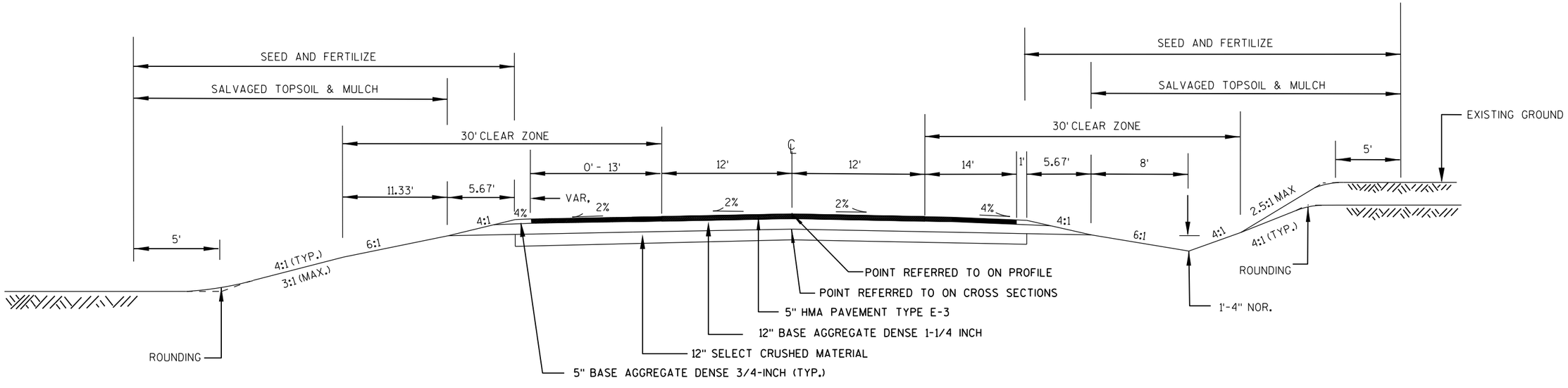
PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	TYPICAL SECTION - STH 104	SHEET	E



TYPICAL FINISHED SECTION

S.T.H. 104

STA. 23+33.11 - STA. 23+97.47

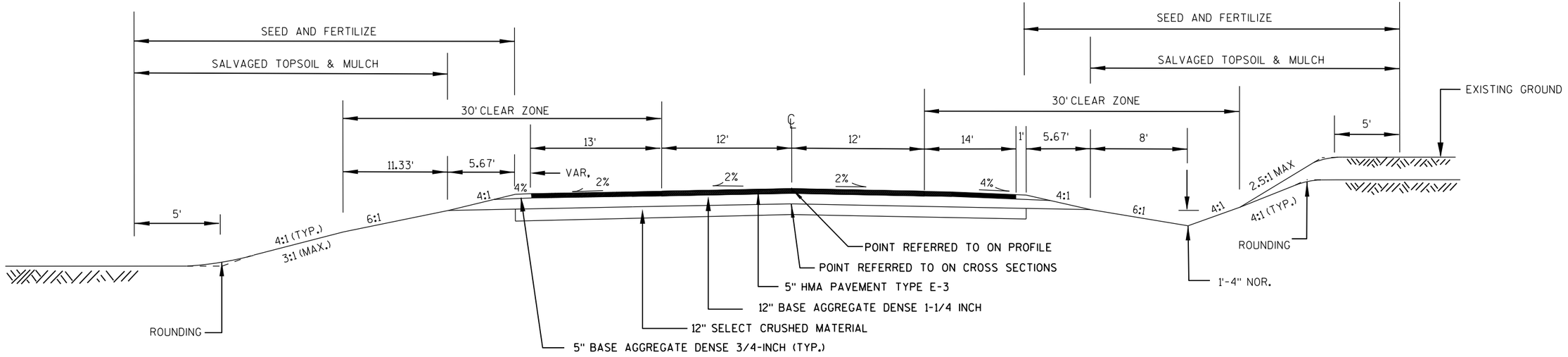


TYPICAL FINISHED SECTION

S.T.H. 104/BYPASS LANE

STA. 23+97.47 - STA. 26+47.54

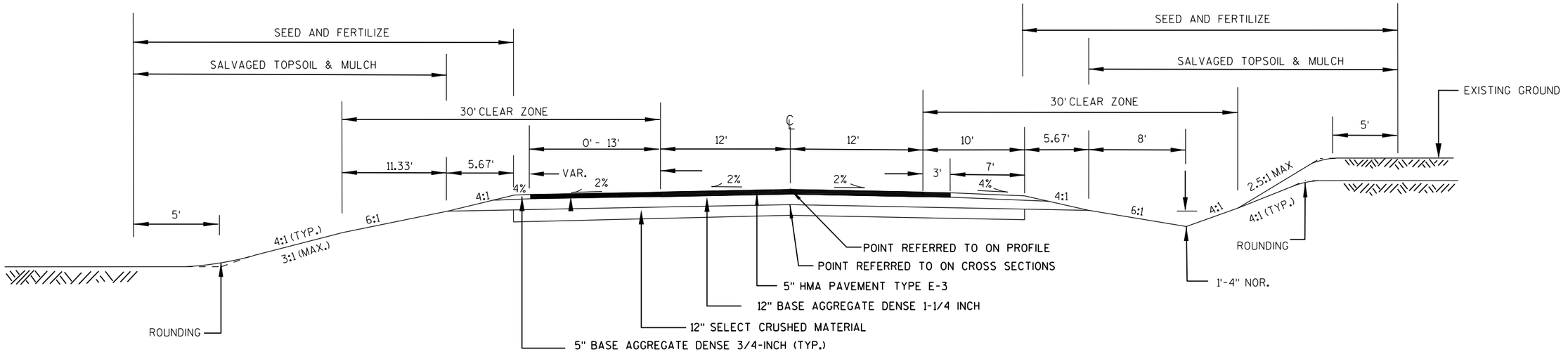
PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	TYPICAL SECTION - STH 104	SHEET	E



TYPICAL FINISHED SECTION

S.T.H. 104

STA. 26+47.54 - STA. 28+97.39

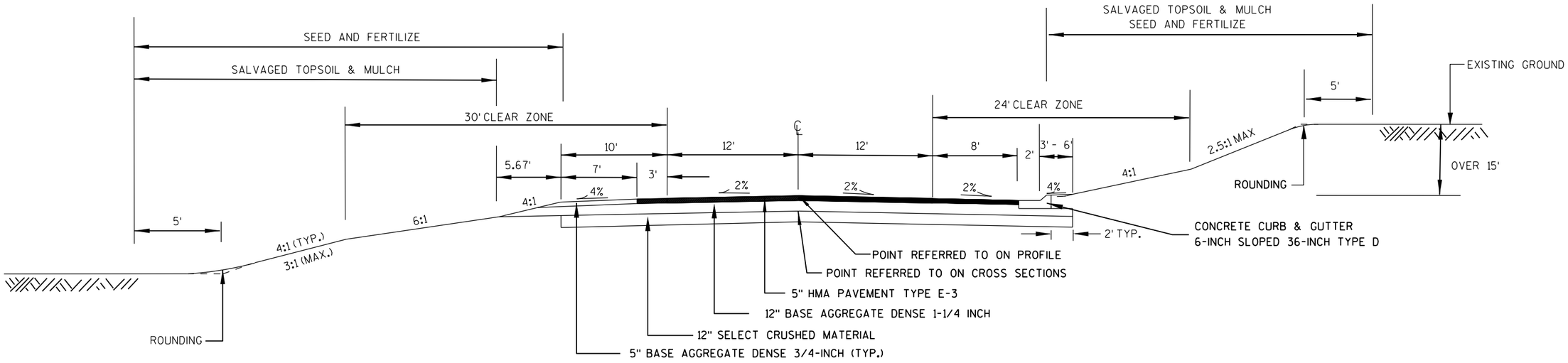


TYPICAL FINISHED SECTION

S.T.H. 104/BYPASS LANE

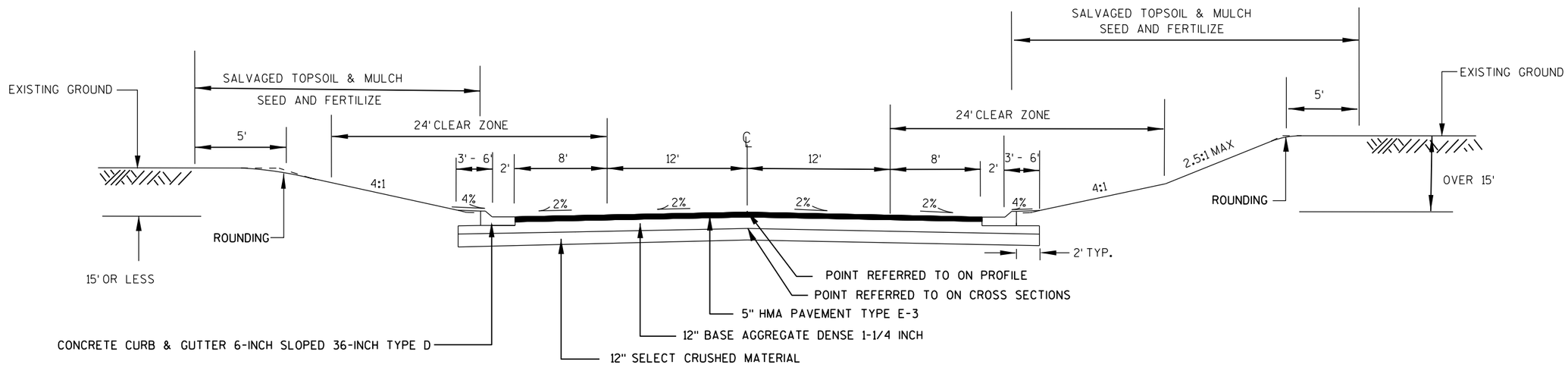
STA. 28+97.39 - STA. 30+64.31

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	TYPICAL SECTION - STH 104	SHEET	E



TYPICAL FINISHED SECTION

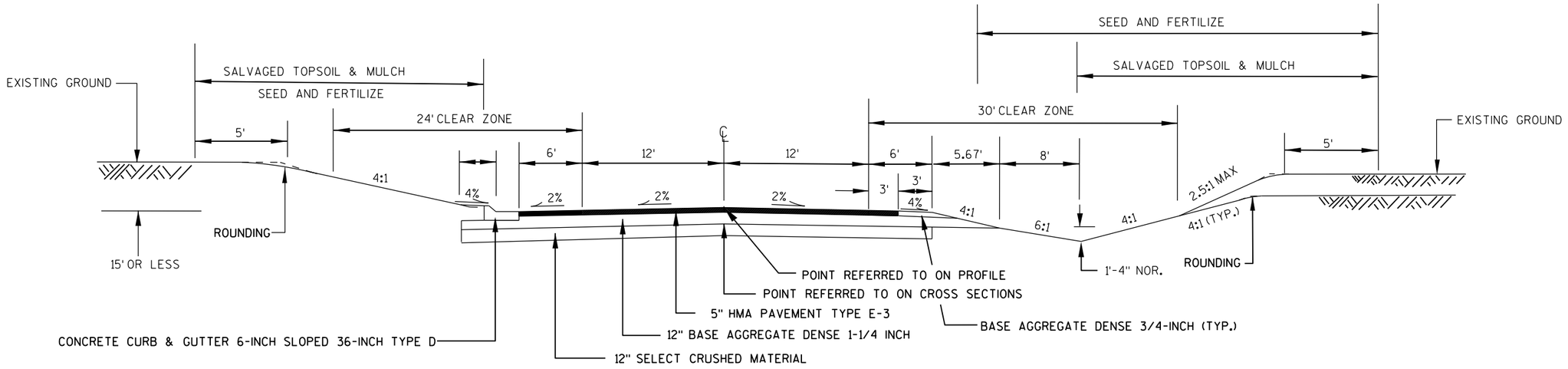
S.T.H. 104
STA. 31+75 - STA. 32+50.28
STA. 36+78.14 - STA. 37+23.58



TYPICAL FINISHED SECTION

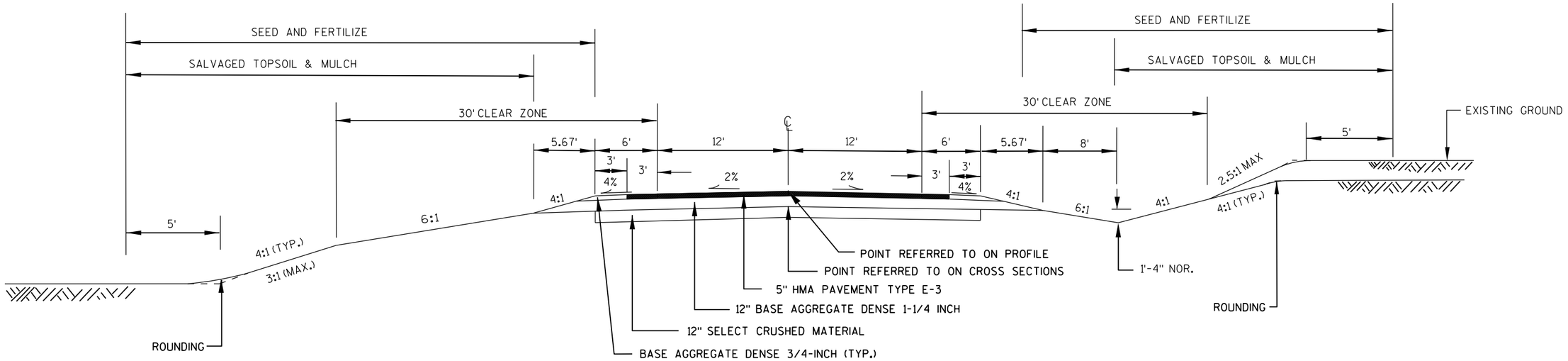
S.T.H. 104
STA. 32+50.28 - STA. 36+78.14

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	TYPICAL SECTION - STH 104	SHEET	E



TYPICAL FINISHED SECTION

S.T.H. 59
STA. 10+65 - STA. 19+50

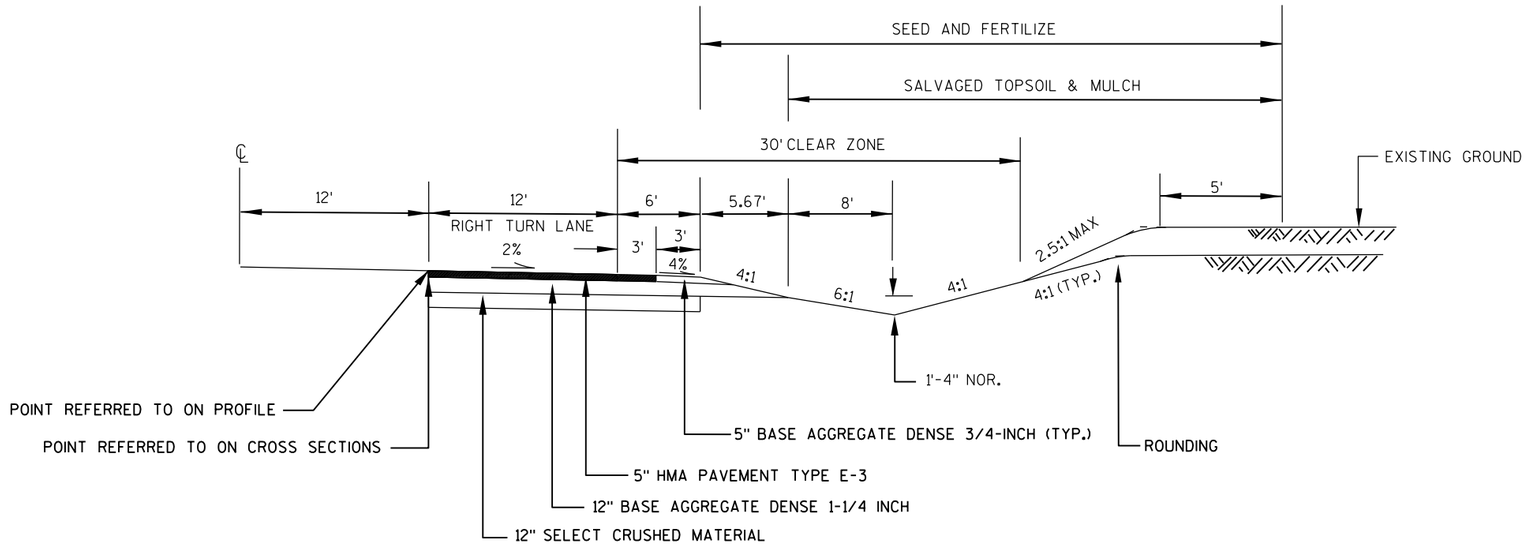


TYPICAL FINISHED SECTION

S.T.H. 59
STA. 19+50 - STA. 21+00

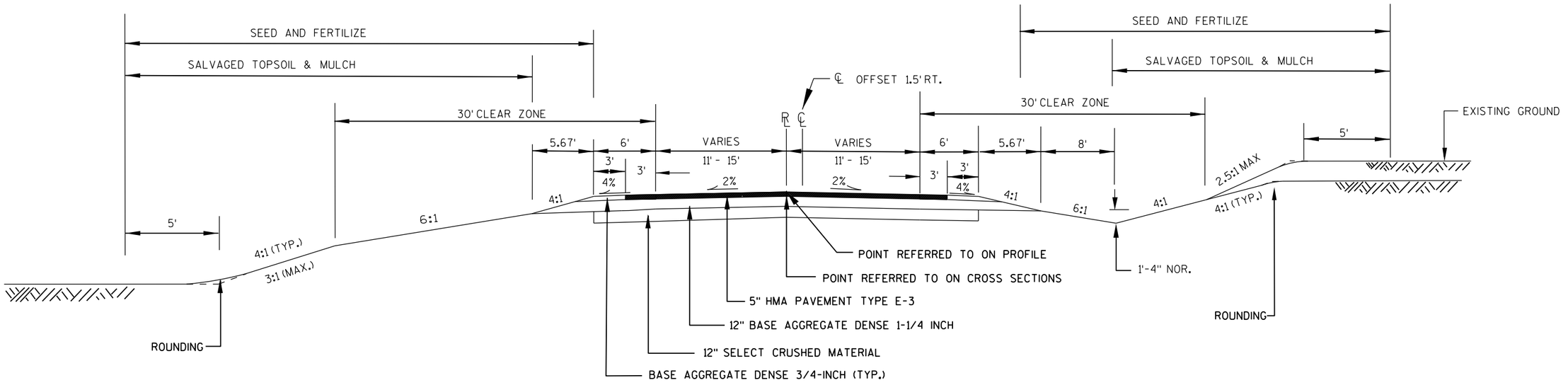
PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	TYPICAL SECTION - STH 104	SHEET	E

2



TYPICAL FINISHED SECTION

S.T.H. 213
RIGHT TURN LANE
STA. 0+00 - STA. 5+86

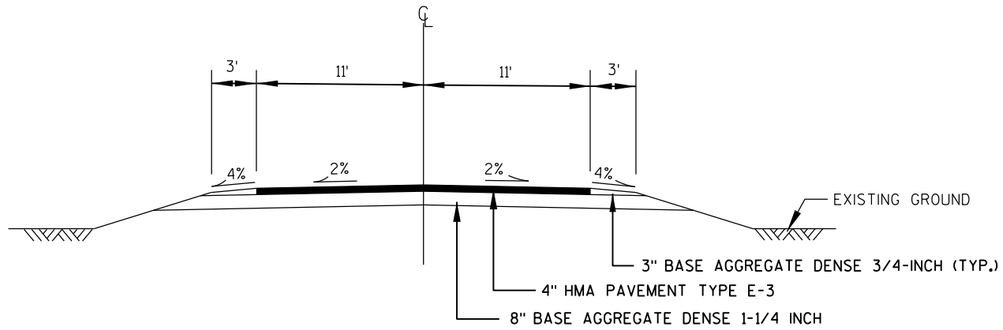


TYPICAL FINISHED SECTION

WEST AHARA ROAD
STA. 22+50 - STA. 23+51

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	TYPICAL SECTION - STH 104	SHEET	E

2

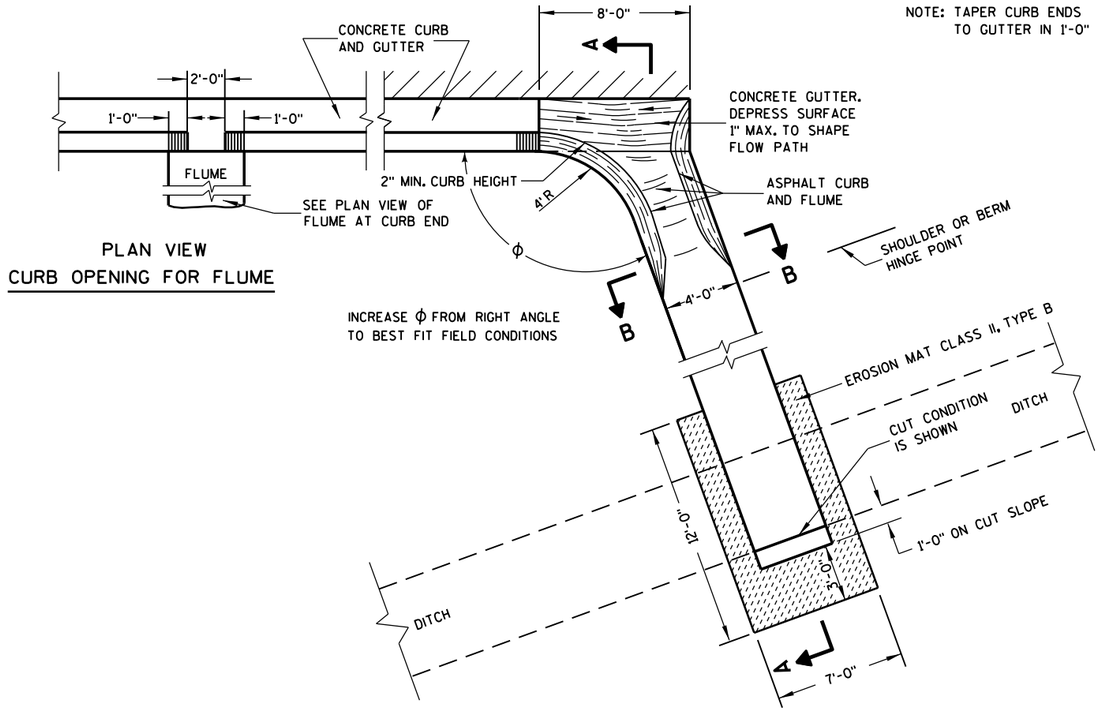


TYPICAL FINISHED SECTION

TRAILER PARK ENTRANCE
STA. 3+00 - STA. 4+89

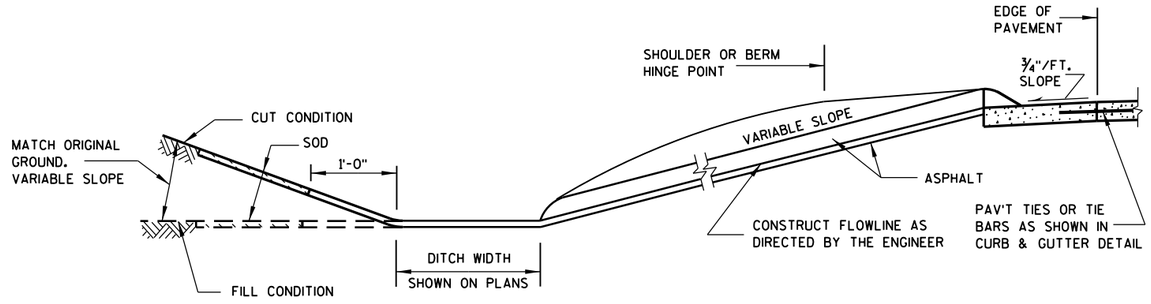
PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	TYPICAL SECTION - STH 104	SHEET	E

FILE NAME : R:\Projects\d1_56700004\020301_ts.dgn PLOT DATE : 29-JAN-2013 08:02 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000
WISDOT/CADDS SHEET 42

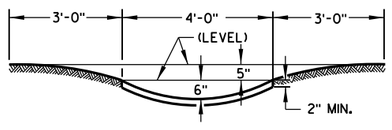


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END

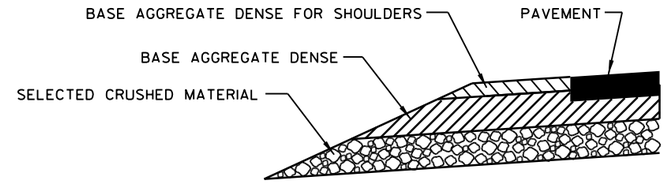


SECTION A-A

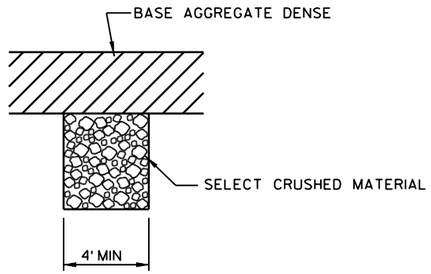


SECTION B-B

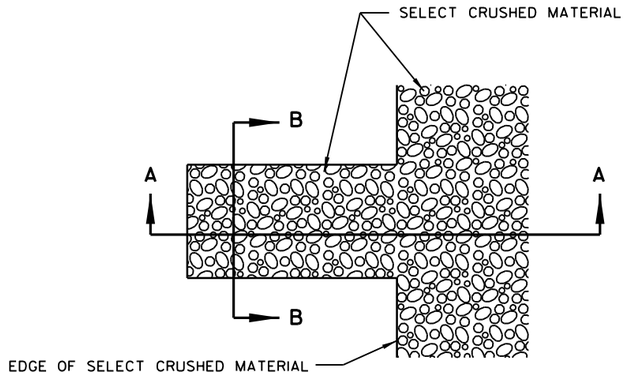
ASPHALTIC FLUME



SECTION A-A



SECTION B-B



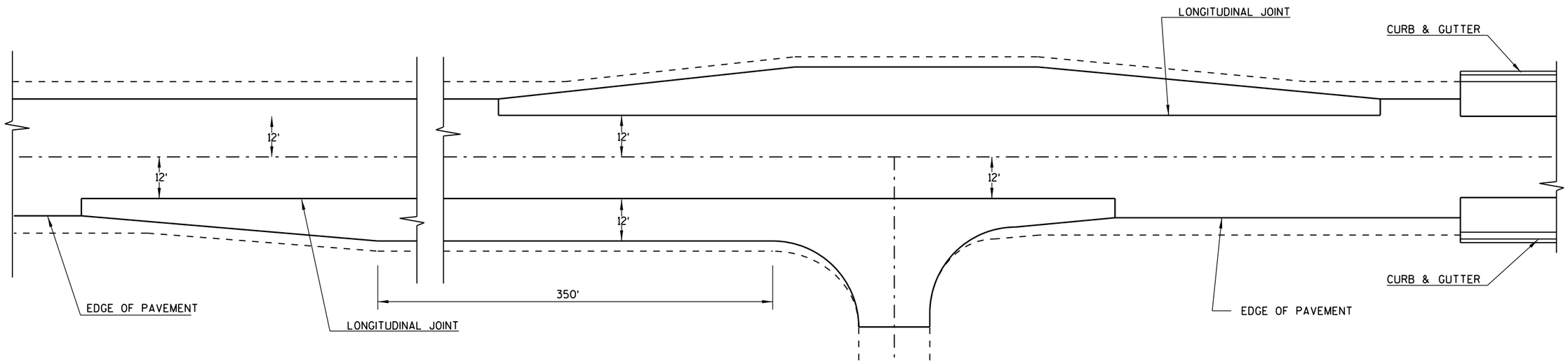
DETAIL FOR FRENCH DRAINS

DRAINS ARE TO BE CONSTRUCTED AT LEAST EVERY 250'
AND AT EACH SAG VERTICLE CURVE IN THE PROFILE.

(LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER)

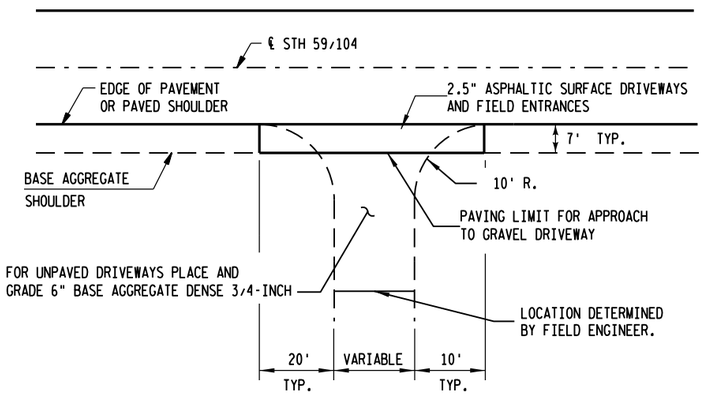
EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS SHALL
BE CONSIDERED INCIDENTAL TO THE ITEM SELECT CRUSHED MATERIAL.

2

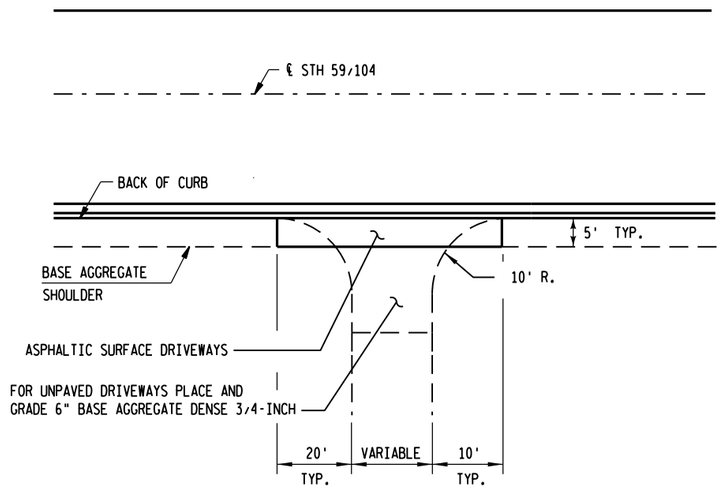


HMA LONGITUDINAL JOINT DETAIL *

* TO BE USED AT ALL INTERSECTIONS, BYPASS, PASSING LANE AND RURAL CURB SECTIONS



RURAL GRAVEL DRIVEWAY DETAIL

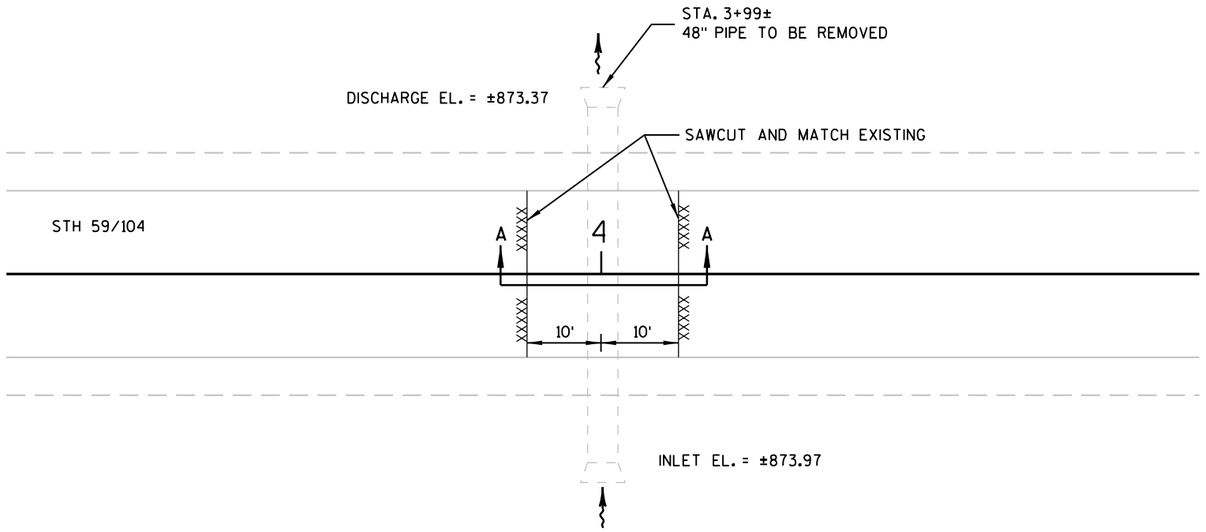


RURAL DRIVEWAY AT CURB SECTION DETAIL

PROJECT NO:5670-00-74	HWY:STH 59	COUNTY:ROCK	CONSTRUCTION DETAILS	SHEET	E

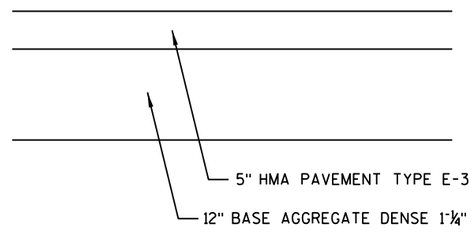
NOTE:
PIPE IS APPROXIMATELY 1090' SOUTH OF DUNPHY ROAD INTERSECTION.

INSTALL 1- 42"X54' RCCP
INLET EL. = ±873.97
DISCHARGE EL. = ±873.37

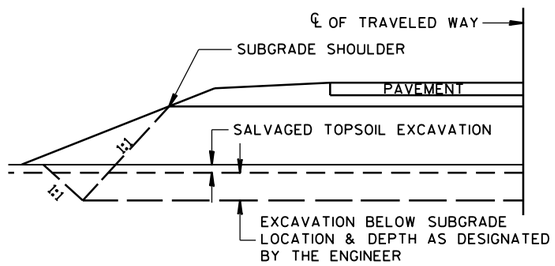


EXISTING 48" PIPE REMOVAL AND REPLACEMENT

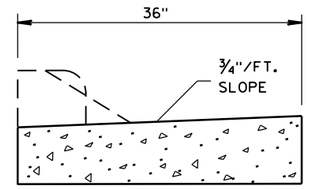
STH 59/104
STA. 3+99±



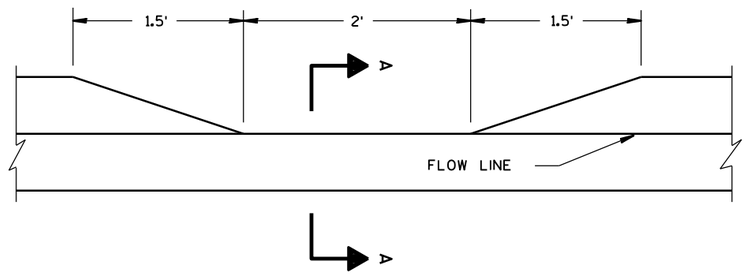
SECTION A-A



DETAIL FOR EXCAVATION BELOW SUBGRADE



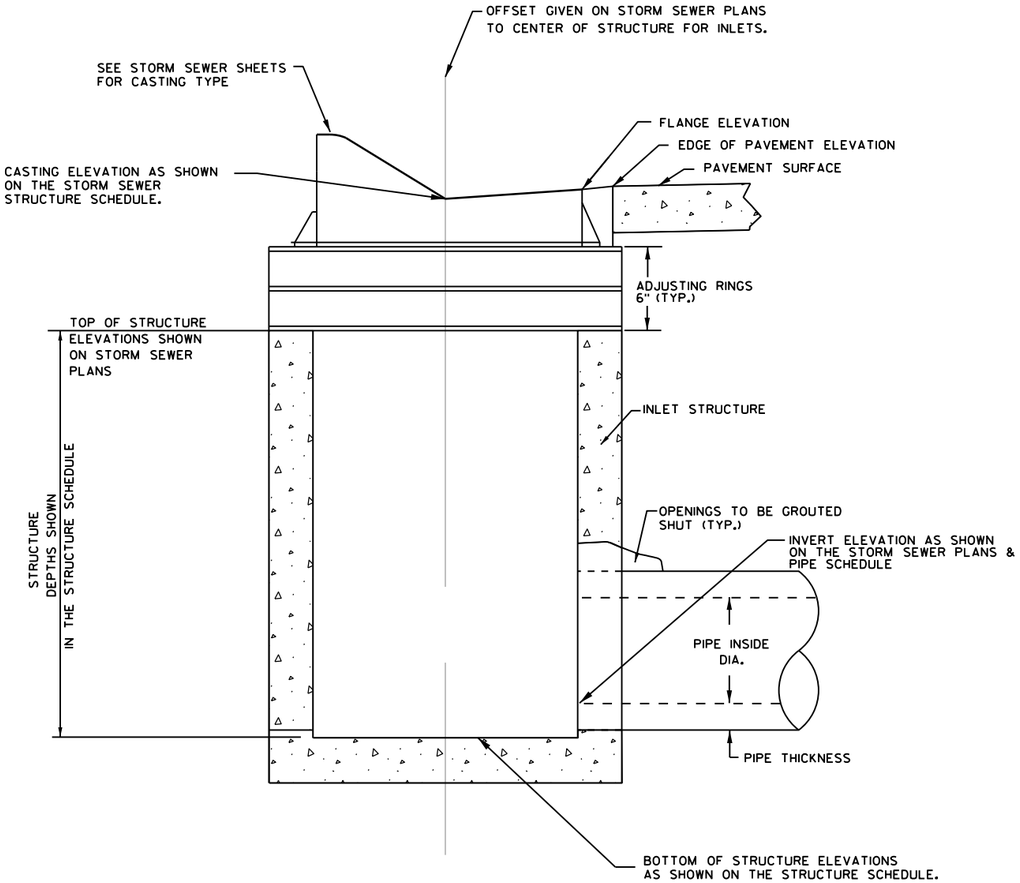
SECTION A-A



DETAIL OF CURB HEAD DEPRESSION FOR
DRAINAGE AT CURB & GUTTER SECTION

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET	E

2



DETAIL OF INLET W/CASTING

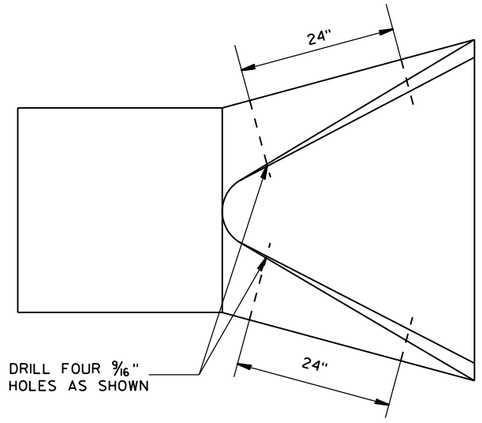
SEE STORM SEWER PLANS FOR LOCATIONS

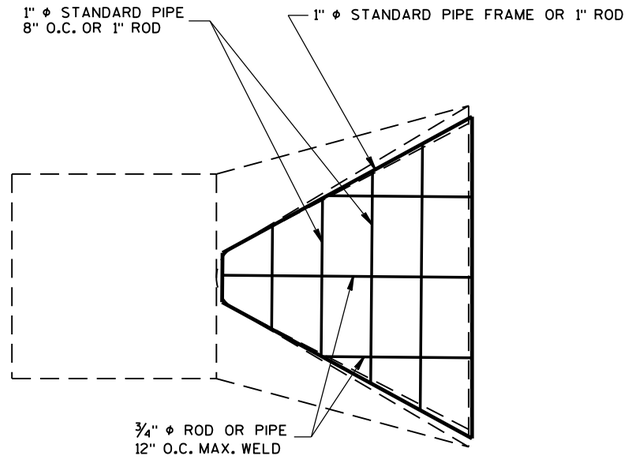
GENERAL NOTES:

GRANULAR BACKFILL REQUIRED AROUND INLET (INCIDENTAL TO CONSTRUCTION OF INLET)

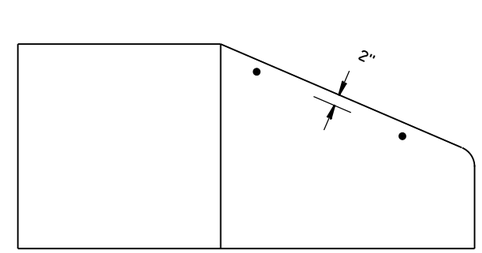
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS, AND S.D.D. FOR INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT.

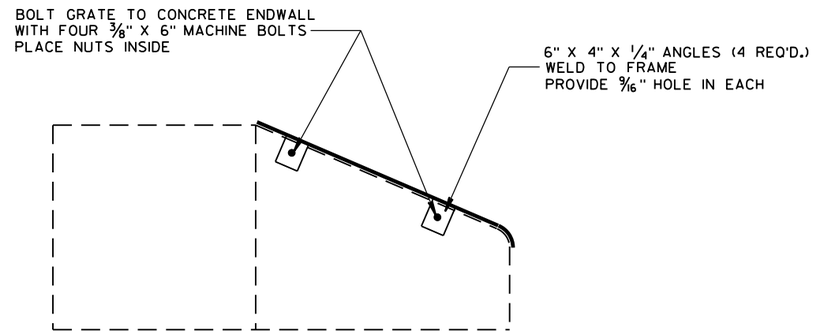
2

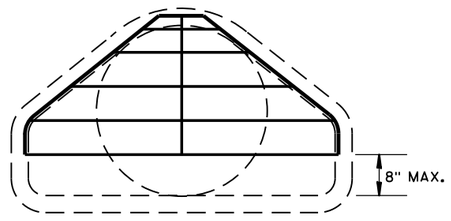




AT EACH PIPE

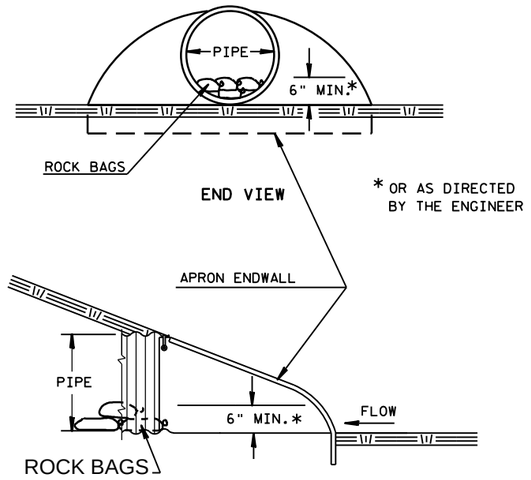




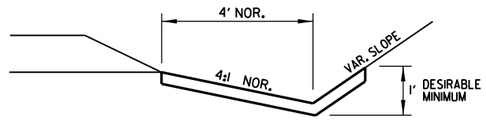


CULVERT PIPE END GRATE

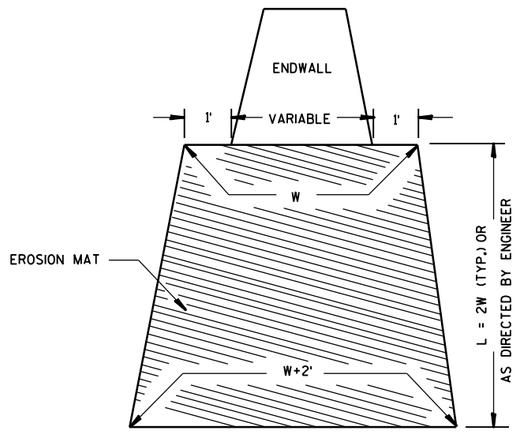
PROJECT NO:5670-00-74	HWY: STH 59	COUNTY:ROCK	CONSTRUCTION DETAILS	SHEET	E



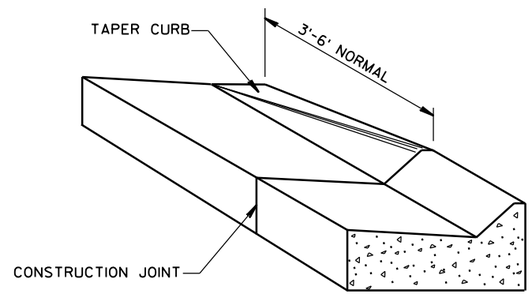
CULVERT PIPE CHECK



SOD OR EROSION MAT DETAIL FOR DITCHES



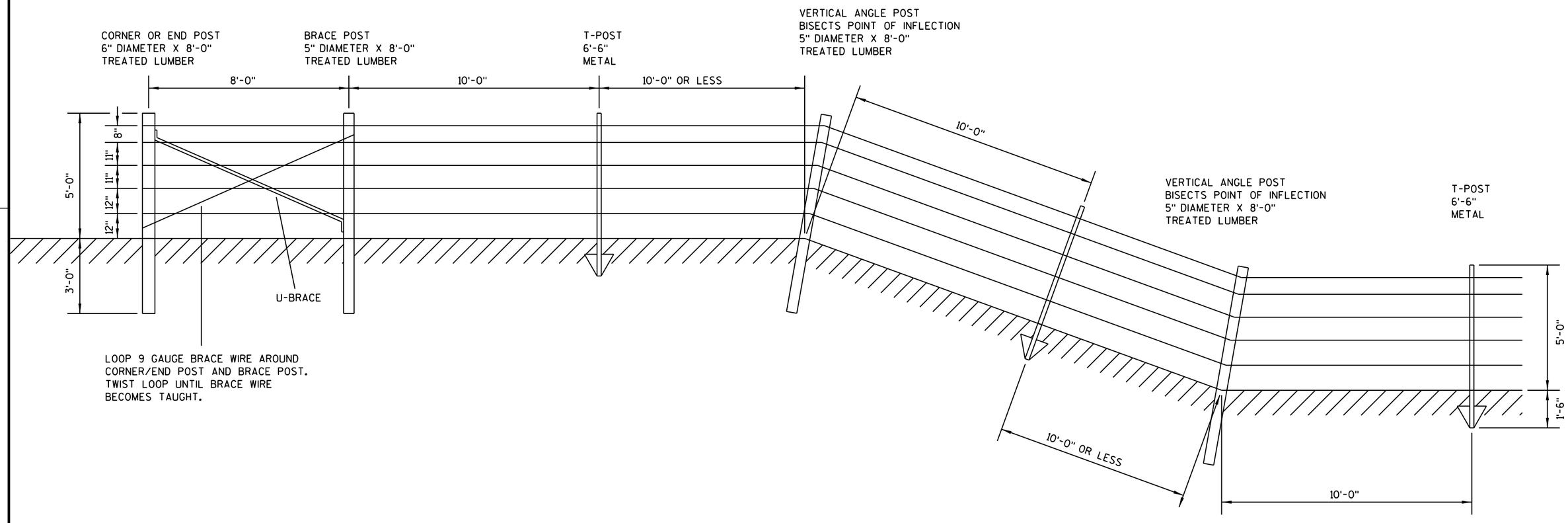
EROSION MAT TREATMENT AT CULVERTS



DETAIL OF CURB & GUTTER TERMINI

2

GENERAL NOTES
1. USE 15½GAUGE OR HEAVIER HIGH-TENSILE 2-STRAND COATED STEEL BARBED WIRE WITH 4-POINT COATED STEEL BARBS SPACED NOT MORE THAN 5 INCHES APART.
2. PLACE T-POSTS AT 10'INTERVALS THROUGHOUT STRAIGHT SECTIONS.
3. PLACE BRACE POSTS EVERY 50'FROM THE NEAREST BRACE OR VERTICAL ANGLE POST THROUGHOUT STRAIGHT SECTIONS, OR AS DIRECTED BY THE ENGINEER.
4. ATTACH WIRE TO WOODEN POSTS WITH METAL STAPLES.
5. ATTACH WIRE TO METAL T-POSTS WITH CLIPS.



BARBED WIRE FENCE

PROJECT NO:5670-00-74	HWY:STH 59	COUNTY:ROCK	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : R:\Projects\d1_56700004\021001_cd.dgn PLOT DATE : 25-FEB-2013 08:27 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000
WISDOT/CADDS SHEET 42

2

N

STA. 27+47.50 STH 104 =
STA. 10+00 STH 59

FE

R/W

STA. 26+47.50, 25' LT.

PI 26+55.24

2' GRAVEL

STA. 28+97.5, 25' LT.

STA. 24+00

MATCHLINE

N 0°39'18" W

26

PI 10+00.00

28

N 0°17'53" W

STH 104

STH 59/104

STA. 30+00

MATCHLINE

13'

12'

14'

868.54

868.18

868.10

STA. 28+95.34, 15' RT.

STA. 28+15.34, 24' RT.

868.22

STA. 26+84.67, 24' RT.

2' PAVED

1' GRAVEL

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

12'

6'

R/W

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

STA. 26+83.90, 64' RT.
40' R.

868.08

868.44

STA. 28+07.94, 74' RT.
50' R.

R/W

868.62

ASPHALTIC FLUME REO'D.

STA. 11+60, 32' LT.
MEDIAN GRATE 1 - MS INLET

869.01

STH 59

EXISTING STH 59
TO BE OBLITERATED

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

869.46

3'

869.99

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	INTERSECTION DETAILS STH 59/104	SHEET	E

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 10.5 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 8.5 ACRES

N

2

2

STA. 15+50

MATCH EXISTING

STH 59

STH 104

PI 10+00.00

PI 26+65.24

28

26

12

14

2%

LEGEND

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

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	EROSION CONTROL	SHEET	E

FILE NAME : R:\Projects\d1_56700004\022001_ec.dgn PLOT DATE : 29-JAN-2013 12:59 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

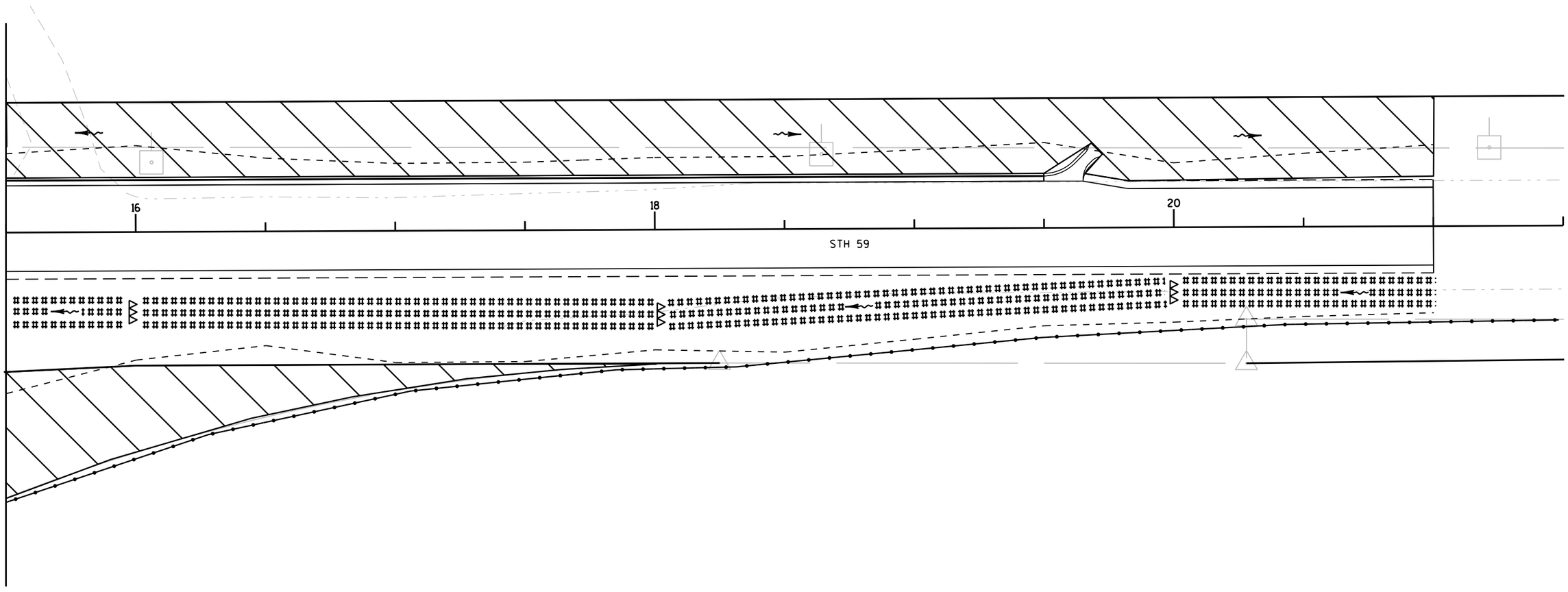
2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I TYPE A
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

2



PROJECT NO:5670-00-74	HWY:STH 59	COUNTY:ROCK	EROSION CONTROL	SHEET	E

FILE NAME : R:\Projects\d1_56700004\022002_ec.dgn PLOT DATE : 24-JAN-2013 10:14 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

WISDOT/CADDS SHEET 42

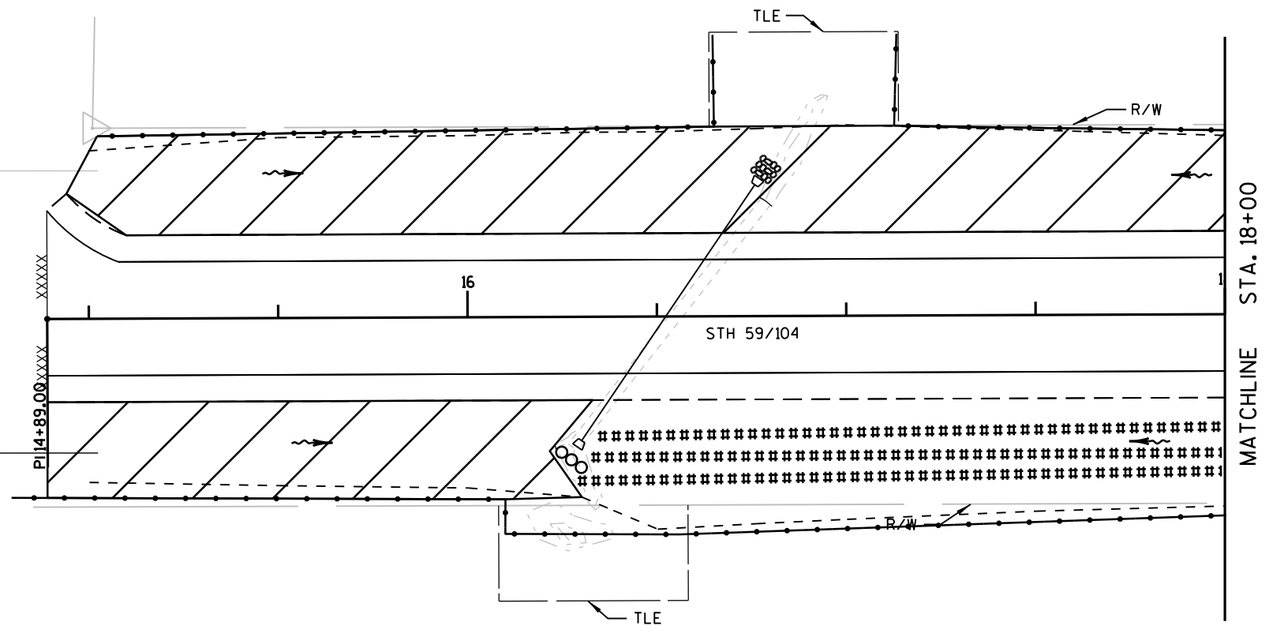
2

2

LEGEND

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

N



PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	EROSION CONTROL	SHEET	E

FILE NAME : R:\Projects\d1_56700004\022004_ec.dgn PLOT DATE : 24-JAN-2013 10:14 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

2

N

STA. 18+00

MATCHLINE

20

22

STH 59/104

STA. 24+00

MATCHLINE

STA. 23+10.38, 61.37' RT.
WISDOT SURVEY MONUMENT
DO NOT DISTURB

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I TYPE A
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	EROSION CONTROL	SHEET	E

FILE NAME : R:\Projects\d1_56700004\022005_ec.dgn PLOT DATE : 24-JAN-2013 10:14 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

2

N

EROSION CONTROL
END TREATMENTS
SEE DETAILS

R/W

STA. 24+00

MATCHLINE

PI 26+55.24

PI 10+00.00

STH 59/104

STH 104

STA. 30+00

MATCHLINE

R/W

R/W

STH 59

LEGEND

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

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	EROSION CONTROL	SHEET	E

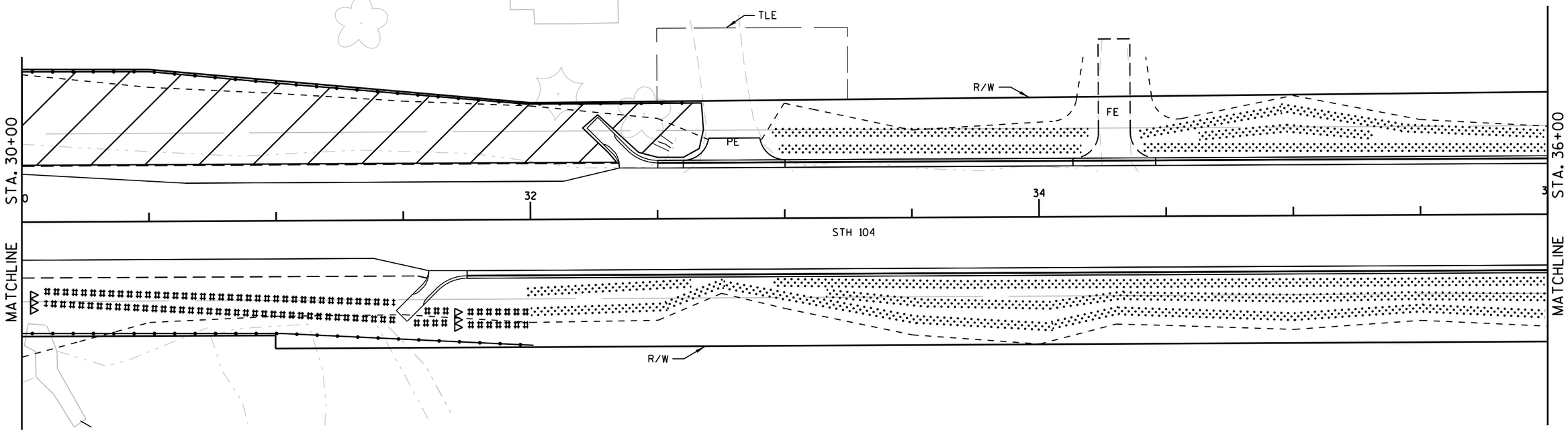
FILE NAME : R:\Projects\d1_56700004\022006_ec.dgn PLOT DATE : 24-JAN-2013 10:14 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I TYPE A
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

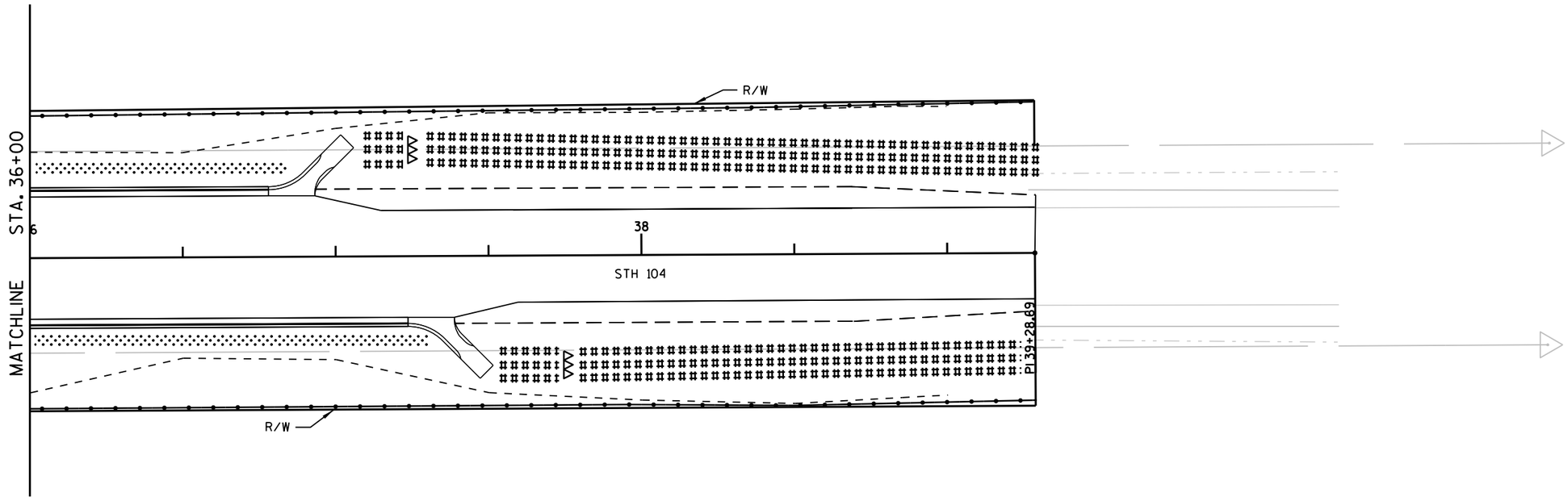
N



PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	EROSION CONTROL	SHEET	E

2

N

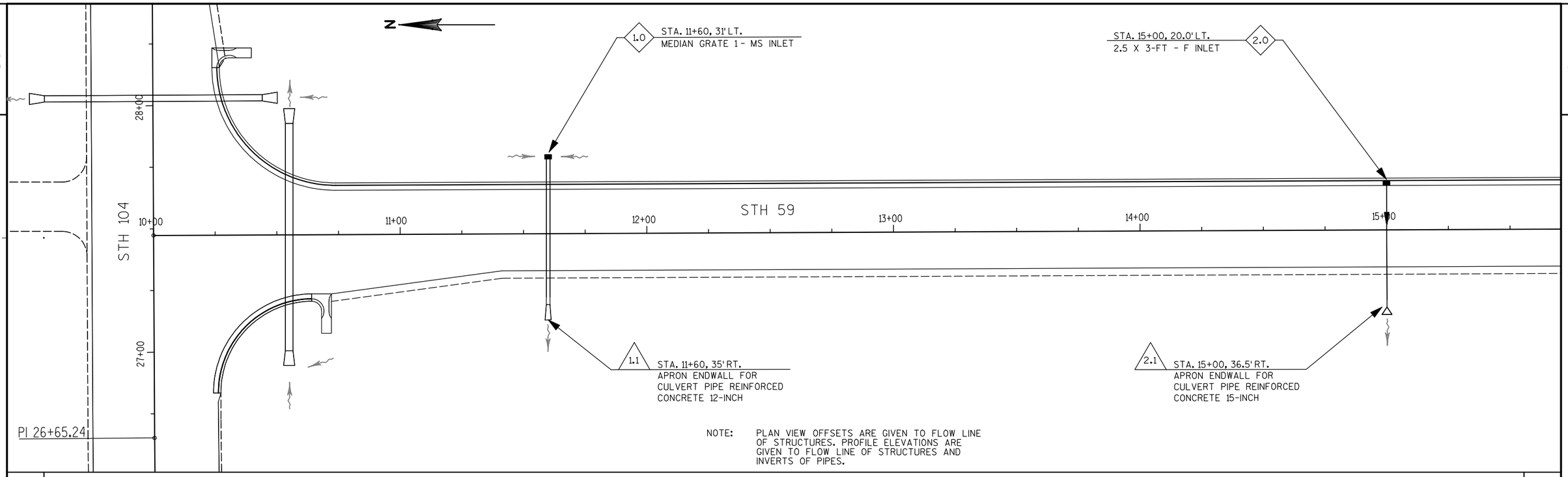


LEGEND

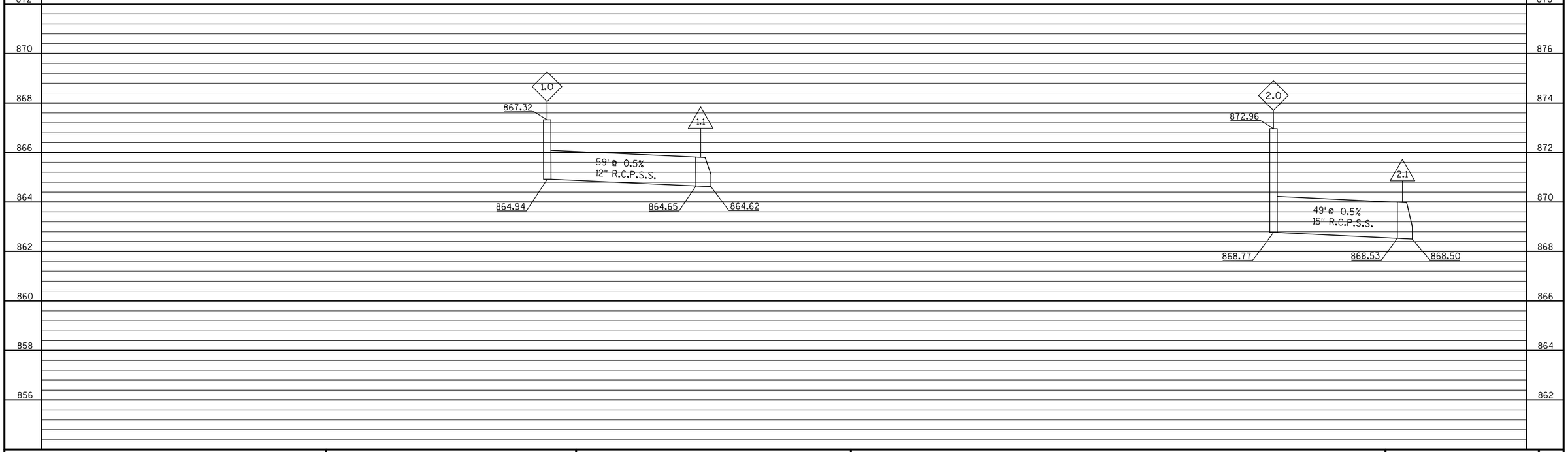
- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS I TYPE A
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	EROSION CONTROL	SHEET	E

FILE NAME : R:\Projects\d1_56700004\022008_ec.dgn PLOT DATE : 24-JAN-2013 10:14 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000 WISDOT/CADDS SHEET 42



NOTE: PLAN VIEW OFFSETS ARE GIVEN TO FLOW LINE OF STRUCTURES. PROFILE ELEVATIONS ARE GIVEN TO FLOW LINE OF STRUCTURES AND INVERTS OF PIPES.



PROJECT NO:5670-00-74	HWY: STH 59	COUNTY: ROCK	STORM SEWER PLAN	SHEET 28	E

2

N

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X-XX DENOTES SIGN NUMBER

59 EXISTING SIGN

59 PROPOSED SIGN

15 20 25

1-1
NORTH EAST
104 59
REMOVE

1-2
50 M.P.H.
REMOVE

1-3

1-4
Brooklyn
Evansville
REMOVE

1-5
WEST SOUTH
59 104
REMOVE

1-6
NORTH EAST
104 59
REMOVE

1-6A
NORTH EAST
104 59
J2-2
48" X 57"

1-7
WEST SOUTH
59 104
REMOVE

1-8
STOP
REMOVE

1-9
Brooklyn
Evansville
D1-2
72" X 30"

1-10
REMOVE

1-11
Albany 5
Brodhead 7
D2-2
78" X 24"

1-12
SPEED LIMIT
55
R2-1
24" X 30"

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PERMANENT SIGNING	SHEET	E

2

N

2-1
WEST SOUTH
59 104
J4-2
48" X 36"

2-2
NORTH EAST
104 59
J3-2
48" X 57"

2-3
EAST
59
J4-1
24" X 36"

2-4
W1-7
48" X 24"

2-5
NORTH
104
REMOVE

2-6
EAST
59
REMOVE

2-7
STOP
REMOVE

2-7A
STOP
R1-1
36" X 36"

2-8
WEST SOUTH NORTH
59 104 104
J3-3
72" X 57"

2-9
EAST WEST SOUTH
59 59 104
J3-3
72" X 57"

2-10
NORTH
104
J4-1
24" X 36"

2-10A
NORTH
104
REMOVE

2-11
SPEED LIMIT
55
R2-1
24" X 30"

2-12
REMOVE

2-13
Brooklyn 8
D2-1
66" X 15"

2-14
Albany
Brodhead
Evansville
D1-3
72" X 36"

2-15
EAST WEST SOUTH
59 59 104
REMOVE

2-16
EAST WEST SOUTH
59 59 104
J3-3
72" X 57"

2-17
JCT
59
REMOVE

2-18
JCT
59
J1-1
24" X 39"

25 30 35

10

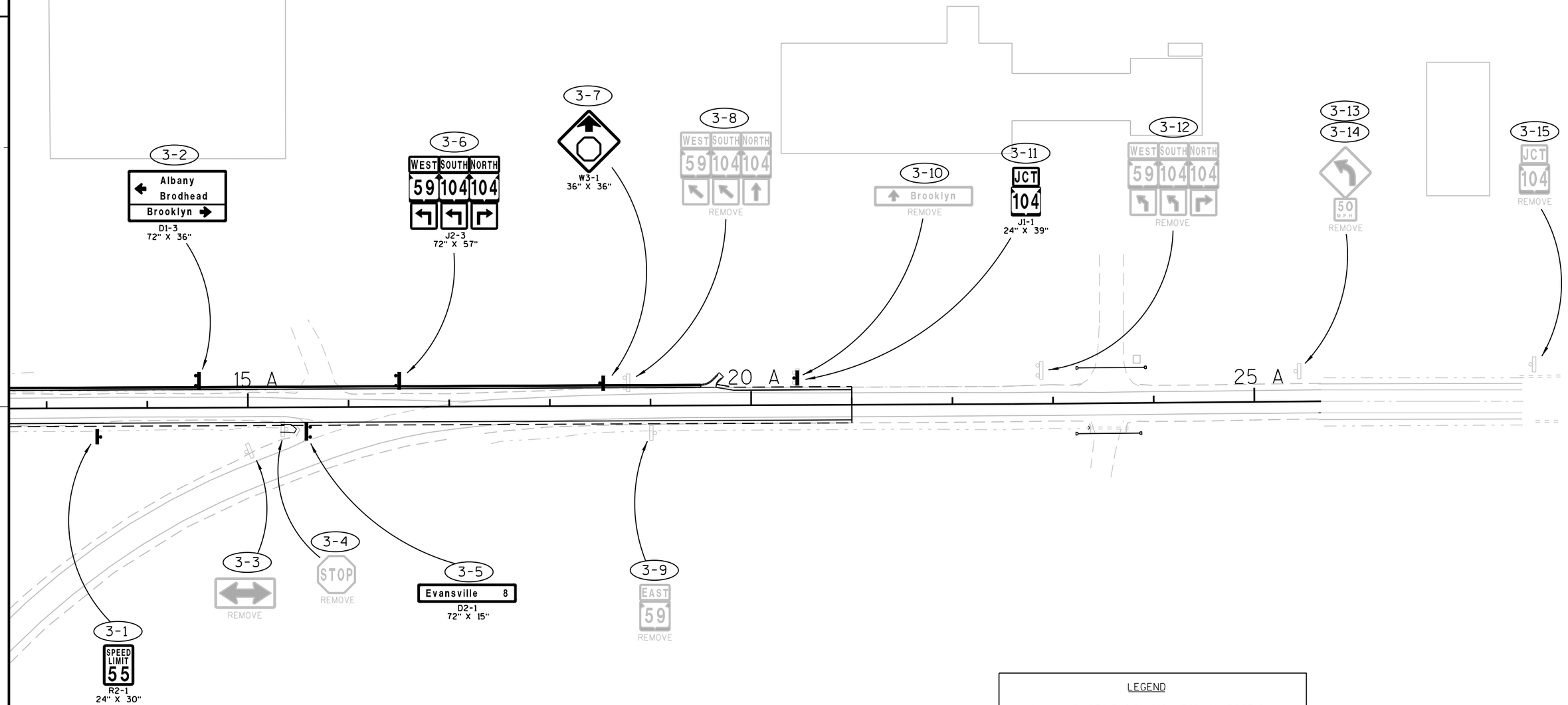
15

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X-XX DENOTES SIGN NUMBER
- 59 EXISTING SIGN
- 59 PROPOSED SIGN

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PERMANENT SIGNING	SHEET	E

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X-XX DENOTES SIGN NUMBER
- 59 EXISTING SIGN
- 59 PROPOSED SIGN

PROJECT NO:5670-00-74	HWY: STH 59	COUNTY:ROCK	PERMANENT SIGNING	SHEET	E

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X-XX DENOTES SIGN NUMBER

59 EXISTING SIGN

59 PROPOSED SIGN

4-1
Monroe
Madison
REMOVE

4-2
Evansville
Albany
D1-2
72" X 30"

4-3
REMOVE

4-4
155-56
30" X 36"

4-5
WEST 59 EAST 59 NORTH 213
J3-1
72" X 57"

4-6
WEST 59 EAST 59
REMOVE

4-7
CHILDREN AT PLAY
MOVE BY OTHERS

4-8
STOP
REMOVE

4-9
STOP
R1-1
30" X 30"

4-10
EAST 59 NORTH 213
J4-2
36" X 48"

4-11
EAST 59 NORTH 213
REMOVE

STH 213

STH 59

R/W

BARBED WIRE FENCE,
3'-5' INSIDE THE NEW R/W
SEE CONSTRUCTION DETAILS.

P.L.

15 20 25

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PERMANENT SIGNING - STH 213/W. AHARA RD.	SHEET	E

FILE NAME : R:\Projects\d1_56700004\023204_ps.dgn PLOT DATE : 25-FEB-2013 08:28 PLOT BY : dotjj PLOT NAME : PLOT SCALE : 100.000000:1.000000

2

N

30

35

40

BARBED WIRE FENCE,
3'-5' INSIDE THE NEW R/W
SEE CONSTRUCTION DETAILS.

R/W

5-1

Evansville 3

D2-1
78" X 15"

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

X-XX DENOTES SIGN NUMBER

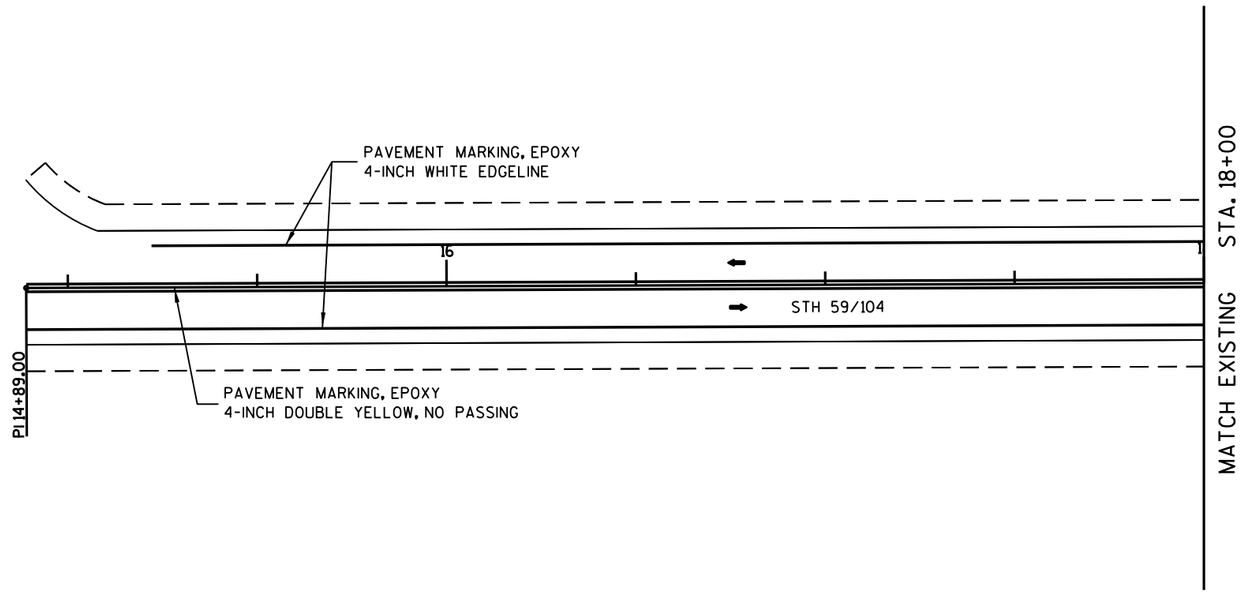
59 EXISTING SIGN

59 PROPOSED SIGN

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PERMANENT SIGNING - STH213/W. AHARA RD.	SHEET	E

2

N

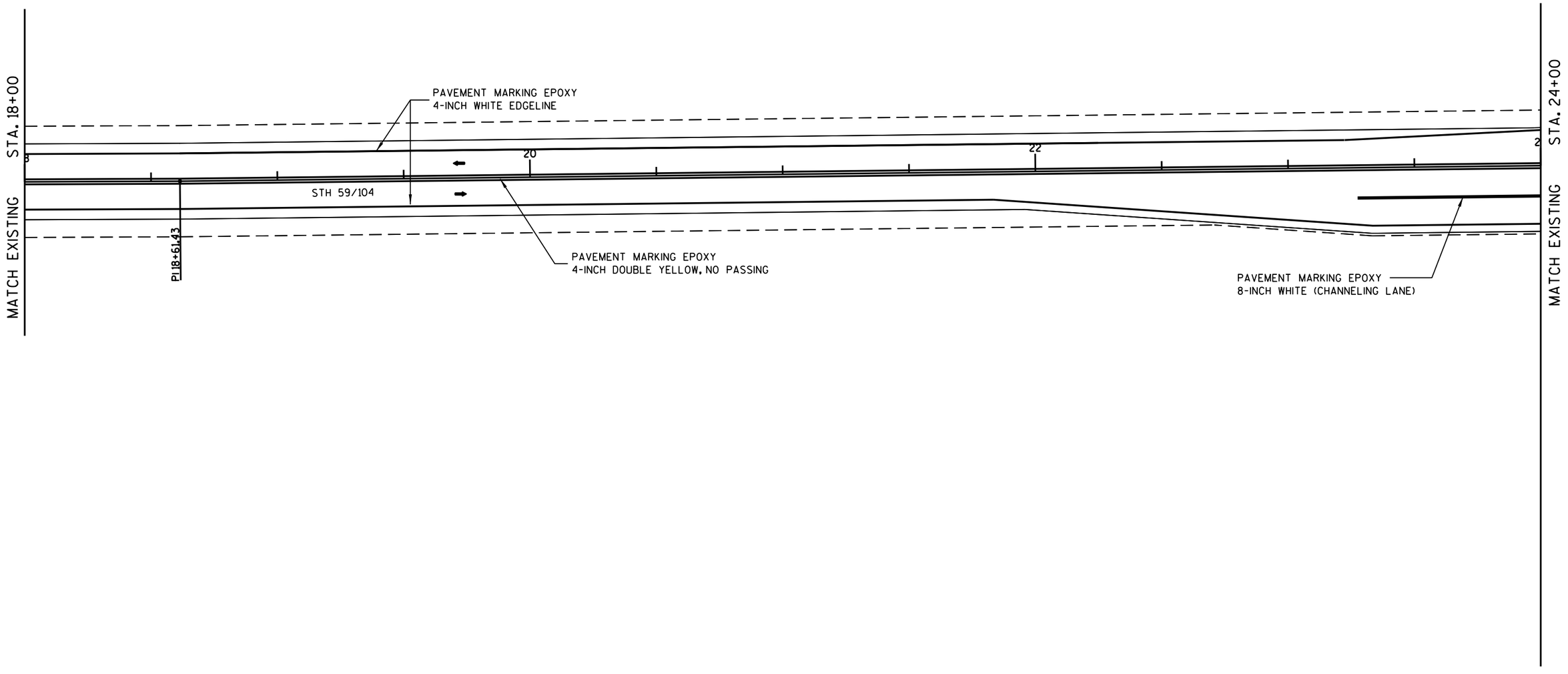


PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PAVEMENT MARKING	SHEET	E

FILE NAME : R:\Projects\d1_56700004\024501_pm.dgn PLOT DATE : 24-JAN-2013 10:15 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000
WISDOT/CADDS SHEET 42

2

N



PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PAVEMENT MARKING	SHEET	E

2

N

STA. 24+00

MATCH EXISTING

PAVEMENT MARKING EPOXY
4-INCH WHITE EDGELINE

PI 26+55.24

PAVEMENT MARKING EPOXY 4-INCH
WHITE, SKIPLINE (12.5' DASH, 37.5' SKIP)

PAVEMENT MARKING EPOXY
4-INCH DOUBLE YELLOW, NO PASSING

STA. 30+00

MATCH EXISTING

STH 104

PI 10+00.00

STH 59/104

18'

PAVEMENT MARKING EPOXY
4-INCH DOUBLE YELLOW, NO PASSING

PAVEMENT MARKING EPOXY
8-INCH WHITE, CHANNELING LANE

PAVEMENT MARKING EPOXY
18-INCH WHITE, STOPLINE

PAVEMENT MARKING EPOXY
4-INCH WHITE, EDGELINE

PAVEMENT MARKING EPOXY
4-INCH WHITE, EDGELINE

STH 59

12

PAVEMENT MARKING EPOXY
4-INCH DOUBLE YELLOW, NO PASSING

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PAVEMENT MARKING	SHEET	E

2

N

STA. 30+00

MATCH EXISTING

0

32

34

STA. 36+00

MATCH EXISTING

STH 104

PAVEMENT MARKING EPOXY
4-INCH DOUBLE YELLOW, NO PASSING

PAVEMENT MARKING EPOXY
4-INCH YELLOW, NO PASSING

PAVEMENT MARKING EPOXY
4-INCH WHITE, EDGELINE

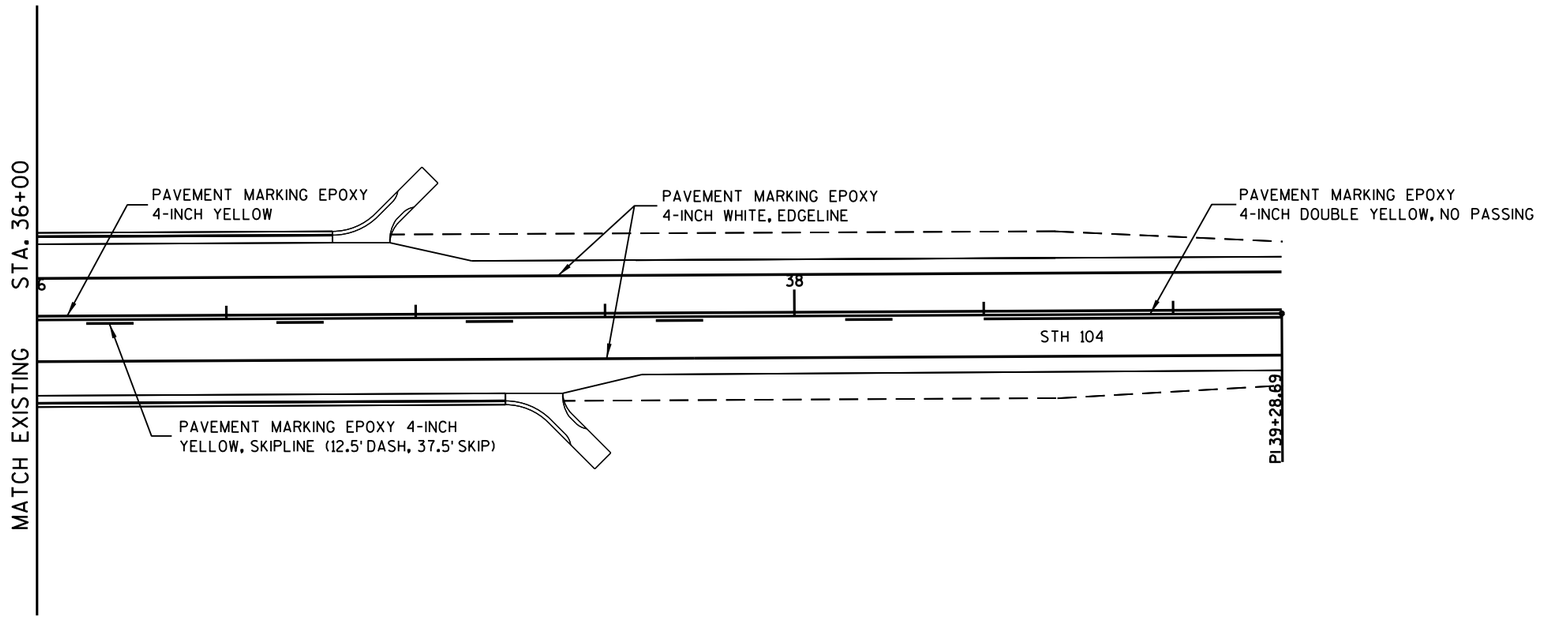
PAVEMENT MARKING EPOXY
4-INCH YELLOW, SKIPLINE (12.5' DASH, 37.5' SKIP)

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PAVEMENT MARKING	SHEET	E

FILE NAME : R:\Projects\d1_56700004\024504_pm.dgn PLOT DATE : 24-JAN-2013 10:15 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000 WISDOT/CADDS SHEET 42

2

N



PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PAVEMENT MARKING	SHEET	E

FILE NAME : R:\Projects\d1_56700004\024505_pm.dgn PLOT DATE : 24-JAN-2013 10:15 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

2

2

N

STH 104

28

PAVEMENT MARKING EPOXY
18-INCH WHITE, STOPLINE

PAVEMENT MARKING EPOXY
4-INCH WHITE, EDGELINE

18'

12

14

STH 59

PAVEMENT MARKING EPOXY
4-INCH DOUBLE YELLOW, NO PASSING

PI 10+00.00

PI 26+56.24

26

STH 59/104

STA. 15+50

MATCH EXISTING

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PAVEMENT MARKING	SHEET	E

FILE NAME : R:\Projects\d1_56700004\024506_pm.dgn PLOT DATE : 24-JAN-2013 10:34 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

WISDOT/CADDS SHEET 42

2

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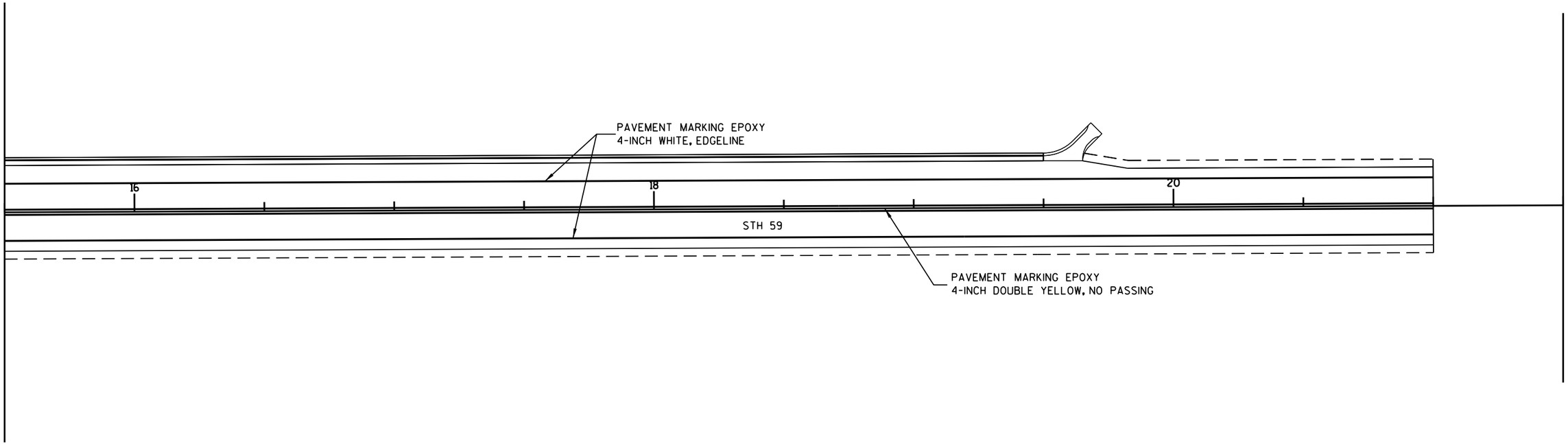

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PAVEMENT MARKING	SHEET	E

2

ROAD CLOSED TO THRU TRAFFIC
R11-4
60" X 30"

SOUTH 104
M3-3 24" X 12"
M1-6 24" X 24"
ROAD CLOSED AHEAD W20-3

ROAD CLOSED TO THRU TRAFFIC
R11-4
60" X 30"

104

HWY 104
UNDER CONSTR
MAY - AUG
G20-57
96" X 48"

SOUTH 104
M3-3 24" X 12"
M1-6 24" X 24"
ROAD CLOSED AHEAD W20-3

ROAD CLOSED AHEAD W20-3

ROAD CLOSED 1000 FT W20-3

ROAD CLOSED 500 FT W20-3

ROAD CLOSED TO THRU TRAFFIC
R11-4
60" X 30"

STH 59 IS OPEN DURING STAGE 1

ROAD CLOSED TO THRU TRAFFIC
R11-4
60" X 30"

NORTH 104
M3-1 24" X 12"
M1-6 24" X 24"
ROAD CLOSED 500 FT W20-3

NORTH 104
M3-1 24" X 12"
M1-6 24" X 24"
ROAD CLOSED 1000 FT W20-3

NORTH 104
M3-1 24" X 12"
M1-6 24" X 24"
ROAD CLOSED AHEAD W20-3

59

M1-6 24" X 24"
104
ROAD CLOSED 1000 FT W20-3

M1-6 24" X 24"
104
ROAD CLOSED AHEAD W20-3

NORTH 104
M3-1 24" X 12"
M1-6 24" X 24"
ROAD CLOSED AHEAD W20-3

LEGEND
- BARRICADE W/WO SIGN
- SIGN ON SINGLE POST
- WORK ZONE

Albany

DUNPHY RD
EDMUNDS RD
PSALMS WAY
PEEBLES RD
CROAK RD
FINNERAN RD
BURR RD
MILBRANDT RD
5TH ST RD
MORTON RD
MARTIN RD
92
A
Allen Cr.

PROJECT NO:5670-00-74	HWY:STH 59	COUNTY:ROCK	TRAFFIC CONTROL - STAGE 1	SHEET	E

FILE NAME : R:\Projects\d1_56700004\025001_tc.dgn PLOT DATE : 24-JAN-2013 10:15 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000

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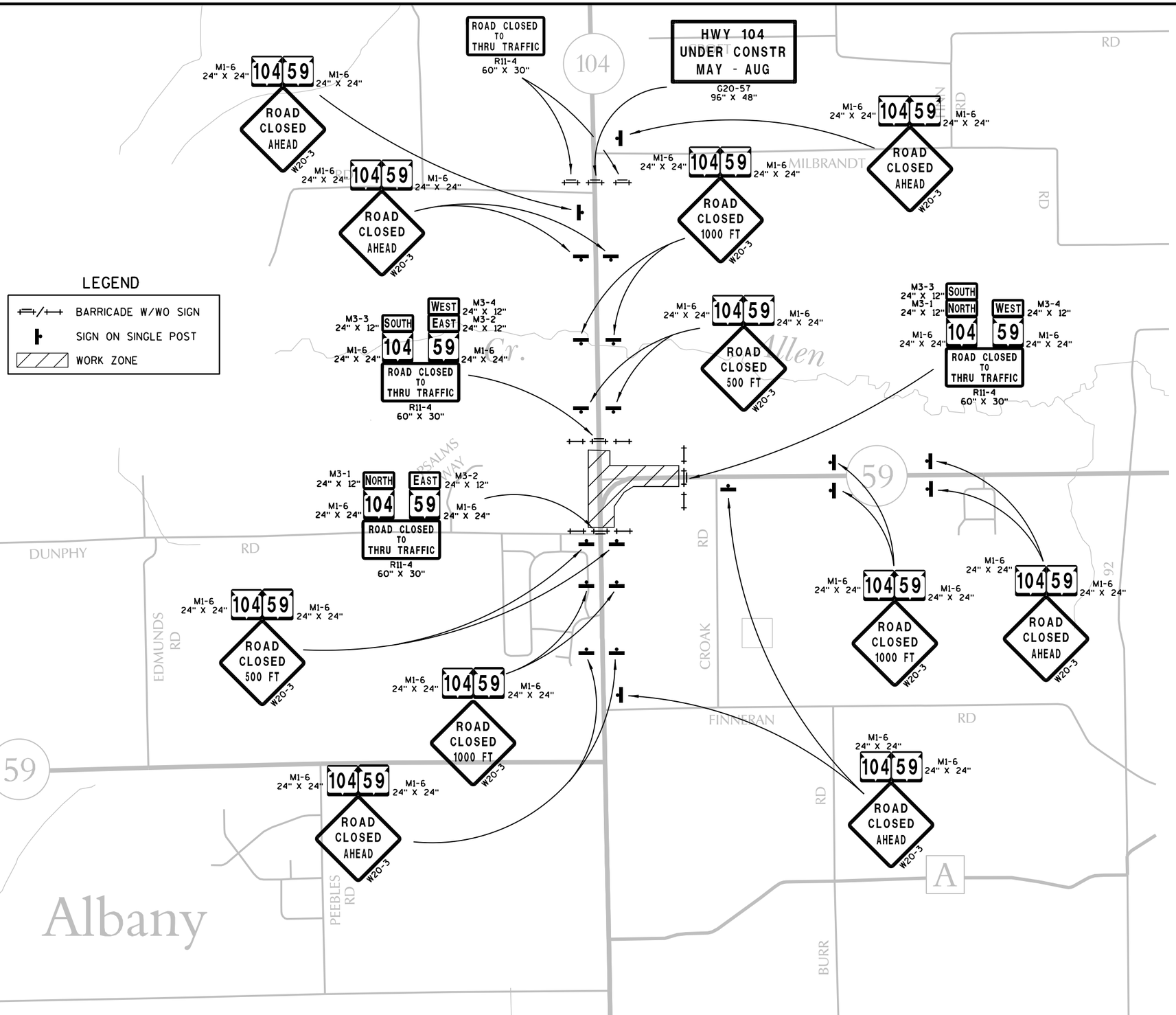
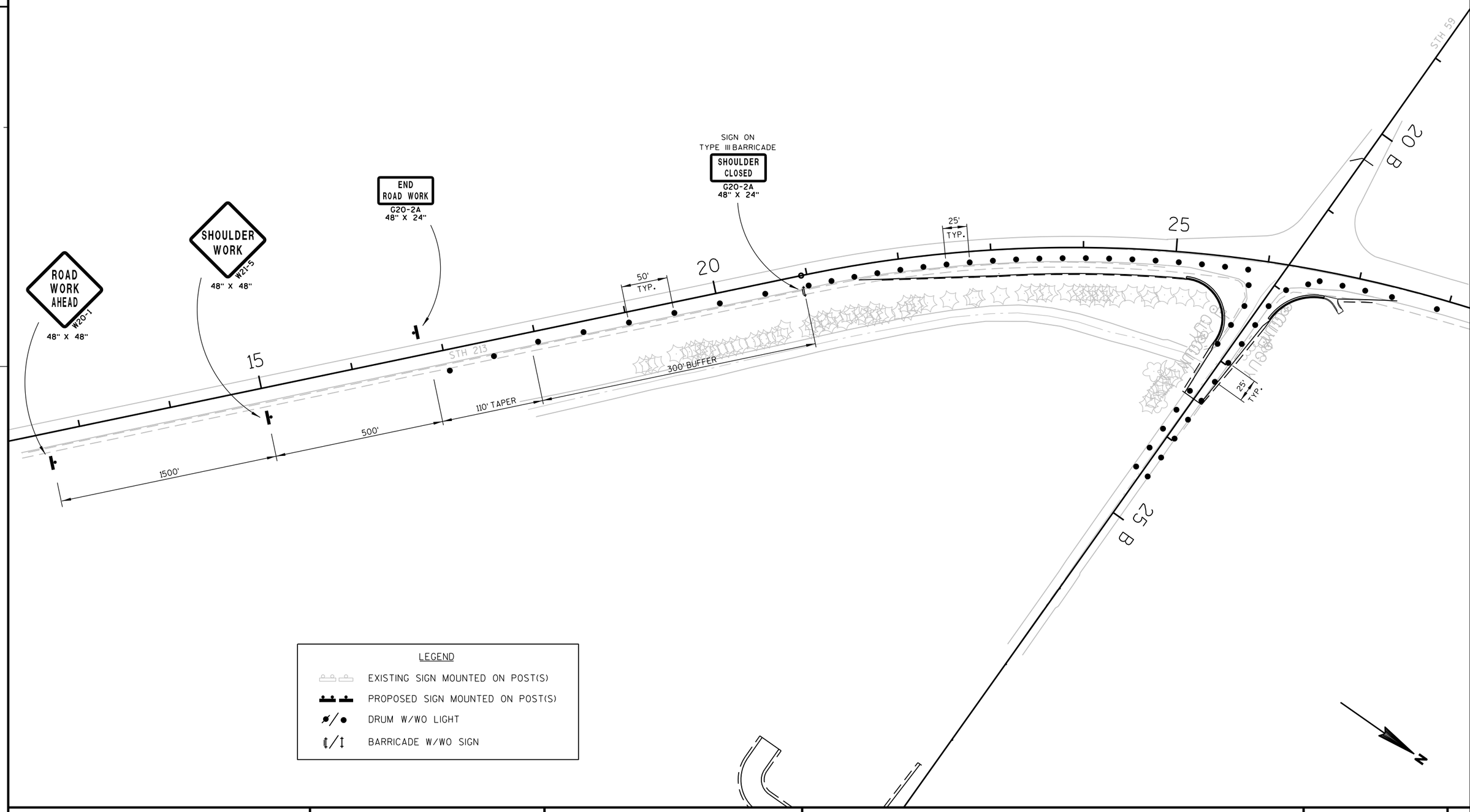


PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	TRAFFIC CONTROL - STAGE 2	SHEET	E

2

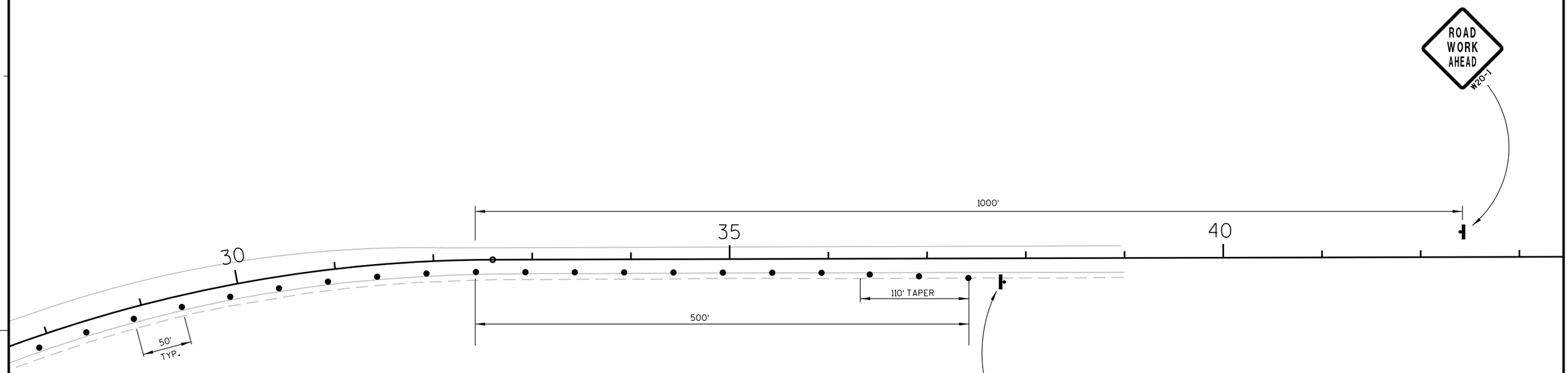


PROJECT NO:5670-00-74	HWY: STH 59	COUNTY:ROCK	TRAFFIC CONTROL	SHEET	E

FILE NAME : R:\Projects\d1_56700004\025301_tc.dgn PLOT DATE : 24-JAN-2013 10:15 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 100.000000:1.000000

2

N

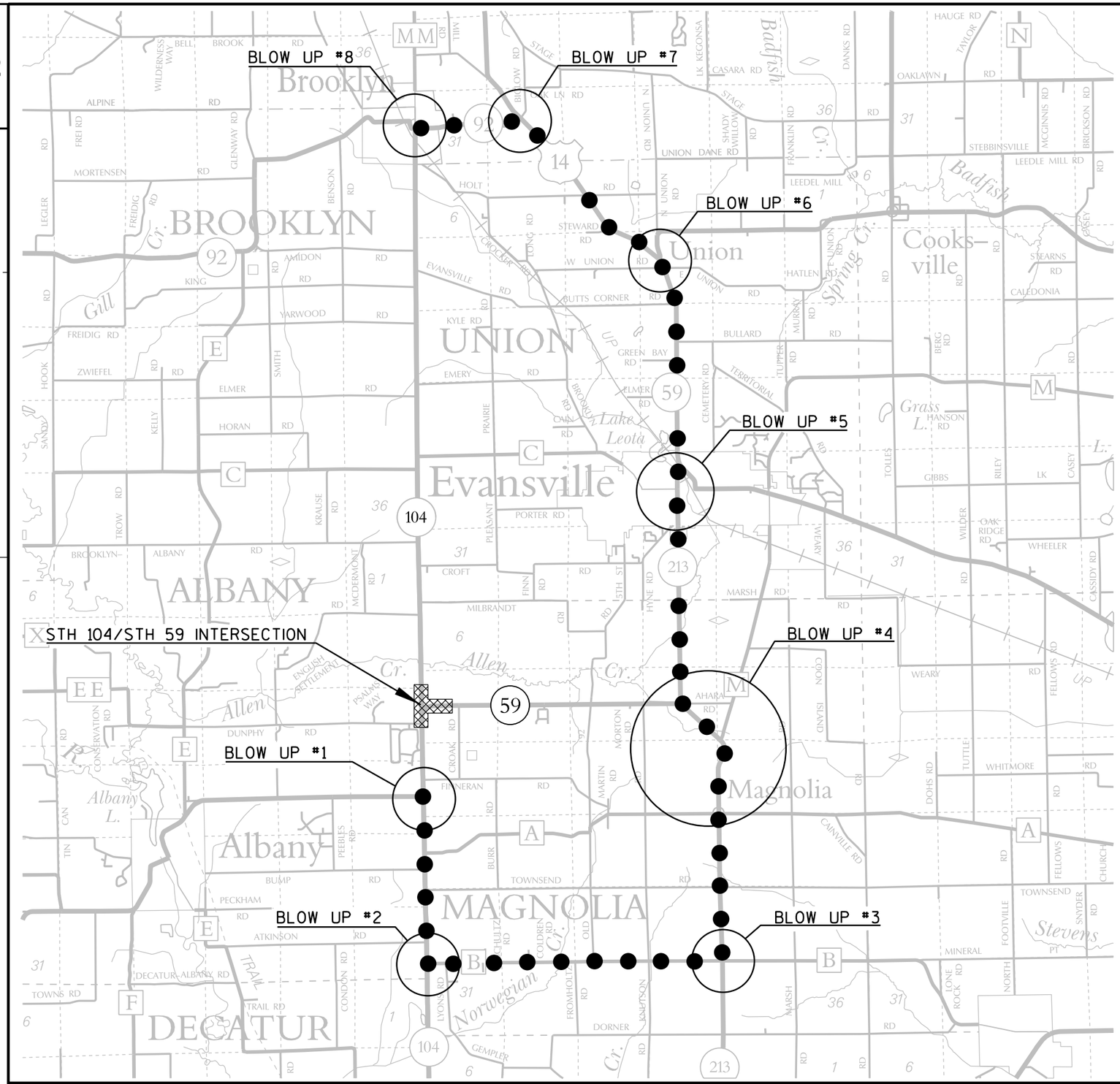


END
ROAD WORK
G20-2A
48" X 24"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DRUM W/WO LIGHT
- BARRICADE W/WO SIGN

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	TRAFFIC CONTROL	SHEET	E



GENERAL NOTES

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

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

ALL "WO" AND "W" SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED AND SHALL HAVE REFLECTIVE FLORESCENT DIAMOND GRADE SHEETING.

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, ALL SIGNS RELATING O THIS OPERATION SHALL BE COVERED OR REMOVED AND FACILITY RESTORED TO NORMAL OPERATION.

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

DRUMS OR BARRICADES SHALL BE USED TO DELINEATE LOCAL TRAFFIC AND/OR PROTECT HAZARDS IN THE WORK ZONE, SUCH AS EXPOSED MANHOLES OR DROP-OFFS FOR VEHICLES AND PEDESTRIANS. THE USE OF SUCH DEVICES SHALL BE INCIDENTAL TO THE OPERATION THAT CREATES THE HAZARD.

ALL EXISTING SIGNS THAT NEED TO BE COVERED SHALL BE COVERED WITH A BLANK ORANGE PANEL.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKERS SIGNING ASSEMBLY OR ATTACHED TO WARNING SIGNS SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

LEGEND

- 59 — NEW SIGN
- 213 — EXISTING SIGN
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL
- DETOUR ROUTE
- WORK ZONE
- POST MOUNTED SIGN (NEW)
- POST/POLE MOUNTED SIGN (EXISTING)
- DOUBLE POST MOUNTED SIGN (EXISTING)
- TYPE III BARRICADE WITH/WITHOUT SIGN

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK/GREEN	DETOUR ROUTE OVERVIEW	SHEET	E

DUNPHY RD.

STH 59/104

FINNERAN RD.

N

BLOW UP #1

SOUTH WEST 104 59

STOP

DUNPHY BRANCH

M4-8 24" X 12" DETOUR DETOUR
EAST NORTH SOUTH 59 104 104
M05-1R 21" X 21" M05-1R 21" X 21"

Albany 4
Monroe 19

STOP

ROAD CLOSED AHEAD
M3-2 24" X 12" EAST 59 M1-6 24" X 24"
W20-3 M3-1 24" X 12" NORTH 104 M1-6 24" X 24"

JCT 104

Green Co.

STH 159

500' 500'

DETOUR AHEAD
M3-2 24" X 12" EAST 59 M1-6 24" X 24"
W20-2 M3-1 24" X 12" NORTH 104 M1-6 24" X 24"

A4-12
Evansville
Brodhead
COVER WITH BLACK ON ORANGE

STOP

M4-8 24" X 12" DETOUR DETOUR
EAST NORTH SOUTH 59 104 104
M06-1 21" X 21" M06-1 21" X 21"

STH 104

EAST NORTH 59 104
Evansville 8
Rock Co.

ROAD CLOSED 500 FT
W20-3

W EST 59 59 104

Albany

W EST 59 59 104

NORTH JCT 104 59

M4-8 24" X 12" M3-4 24" X 12"
DETOUR WEST 59
M1-6 24" X 24"

M4-5 24" X 12" M4-8 24" X 12"
M3-2 24" X 12" M3-1 24" X 12"
M1-6 24" X 24" M1-6 24" X 24"
M05-1L 21" X 21" M05-1L 21" X 21"
TO DETOUR EAST NORTH
JCT COUNTY B 59 104

M4-5 24" X 12" TO DETOUR M4-8 24" X 12"
M3-1 24" X 12" NORTH EAST M3-2 24" X 12"
M1-6 24" X 24" 104 59 COUNTY B M1-6 24" X 24"
M06-1L 21" X 21" M06-1L 21" X 21"

SOUTH 104

TO DETOUR M4-5 24" X 12" M4-8 24" X 12"
EAST NORTH M3-2 24" X 12" M3-1 24" X 12"
COUNTY B 59 104 M1-6 24" X 24" M1-6 24" X 24"
M06-1R 21" X 21" M06-1R 21" X 21"

STH 104

BLOW UP #2

N

STOP

M3-3 24" X 12" DETOUR M4-8 24" X 12"
SOUTH WEST M3-4 24" X 12"
M1-6 24" X 24" 104 59 M1-6 24" X 24"
M06-1L 21" X 21" M06-1R 21" X 21"

Green Co.

CTH B

200'

M4-5 24" X 12" TO DETOUR M4-8 24" X 12"
M3-2 24" X 12" EAST NORTH M3-1 24" X 12"
M1-6 24" X 24" 59 104 M1-6 24" X 24"

M4-8 24" X 12" M4-8 24" X 12"
M3-2 24" X 12" DETOUR DETOUR M3-1 24" X 12"
M1-6 24" X 24" EAST NORTH M1-6 24" X 24"
M05-1R 21" X 21" 59 104 M05-1R 21" X 21"

JCT COUNTY B

500'

500'

DETOUR 1500 FT
M3-2 24" X 12" W20-2 M3-1 24" X 12"
EAST 59 M1-6 24" X 24"
NORTH 104 M1-6 24" X 24"

DETOUR AHEAD
M3-2 24" X 12" W20-2 M3-1 24" X 12"
EAST 59 M1-6 24" X 24"
NORTH 104 M1-6 24" X 24"

STH 104

LEGEND

59	NEW SIGN		WORK ZONE
213	EXISTING SIGN		POST MOUNTED SIGN (NEW)
104	EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL		POST/POLE MOUNTED SIGN (EXISTING)
● ● ●	DETOUR ROUTE		DOUBLE POST MOUNTED SIGN (EXISTING)
		↕ / ↕	TYPE III BARRICADE WITH/WITHOUT SIGN

PROJECT NO: 5670-00-74	HWY: STH 59/104	COUNTY: ROCK/GREEN	DETOUR ROUTE - TRAFFIC CONTROL BLOW UPS #1 & #2 - STAGE 1	SHEET	E

DUNPHY RD.

STH 59/104

FINNERAN RD.

N

BLOW UP #1

SOUTH WEST
104 59

STOP

DUNPHY BRANCH

M4-8 24" X 12" DETOUR
M4-8 24" X 12" DETOUR
EAST 59
NORTH 104
SOUTH 104
M05-1R 21" X 21"
M05-1R 21" X 21"

Albany 4
Monroe 19

STOP

Green Co.

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

EAST NORTH
59 104
Evansville 8
Rock Co.

ROAD CLOSED AHEAD
W20-3
M3-2 24" X 12" EAST 59 M1-6 24" X 24"
M3-1 24" X 12" NORTH 104 M1-6 24" X 24"

ROAD CLOSED 500 FT
W20-3

JCT 104

STH 159

500' 500'

DETOUR AHEAD
W20-2
M3-2 24" X 12" EAST 59 M1-6 24" X 24"
M3-1 24" X 12" NORTH 104 M1-6 24" X 24"

WEST 59
EAST NORTH 59 104

Albany

WEST
EAST NORTH 59 104

NORTH JCT 104 59

M4-8 24" X 12" DETOUR
M4-8 24" X 12" DETOUR
EAST 59
NORTH 104
SOUTH 104
M06-1 21" X 21"
M06-1 21" X 21"

STOP

A4-12
Evansville
Brodhead
COVER WITH BLACK ON ORANGE

STH 104

M4-8 24" X 12"
M3-4 24" X 12"
DETOUR WEST 59
JCT 104
M1-6 24" X 24"

LEGEND

59 NEW SIGN	WORK ZONE
213 EXISTING SIGN	POST MOUNTED SIGN (NEW)
104 EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL	POST/POLE MOUNTED SIGN (EXISTING)
DETOUR ROUTE	DOUBLE POST MOUNTED SIGN (EXISTING)
	TYPE III BARRICADE WITH/WITHOUT SIGN

M4-5 24" X 12" TO
M4-8 24" X 12" DETOUR
M3-2 24" X 12" EAST
M3-1 24" X 12" NORTH
M1-6 24" X 24"
M1-6 24" X 24"
M05-1L 21" X 21" 59
M05-1L 21" X 21" 104
JCT COUNTY B

M4-5 24" X 12" TO
M4-8 24" X 12" DETOUR
M3-1 24" X 12" NORTH
M3-2 24" X 12" EAST
M1-6 24" X 24" 104
M1-6 24" X 24" 59
M06-1L 21" X 21"
M06-1L 21" X 21"
COUNTY B

SOUTH 104

M4-5 24" X 12" TO
M4-8 24" X 12" DETOUR
M3-2 24" X 12" EAST
M3-1 24" X 12" NORTH
M1-6 24" X 24" 59
M1-6 24" X 24" 104
M06-1R 21" X 21"
M06-1R 21" X 21"
COUNTY B

STH 104

BLOW UP #2

N

STOP

M3-3 24" X 12" SOUTH
M4-8 24" X 12" DETOUR
M3-4 24" X 12" WEST
M1-6 24" X 24" 104
M1-6 24" X 24" 59
M06-1L 21" X 21"
M06-1R 21" X 21"

Green Co.

CTH B

200'

M4-5 24" X 12" TO
M4-8 24" X 12" DETOUR
M3-2 24" X 12" EAST
M3-1 24" X 12" NORTH
M1-6 24" X 24" 59
M1-6 24" X 24" 104

M4-8 24" X 12" DETOUR
M4-8 24" X 12" DETOUR
M3-2 24" X 12" EAST
M3-1 24" X 12" NORTH
M1-6 24" X 24" 59
M1-6 24" X 24" 104
M05-1R 21" X 21"
M05-1R 21" X 21"
JCT COUNTY B

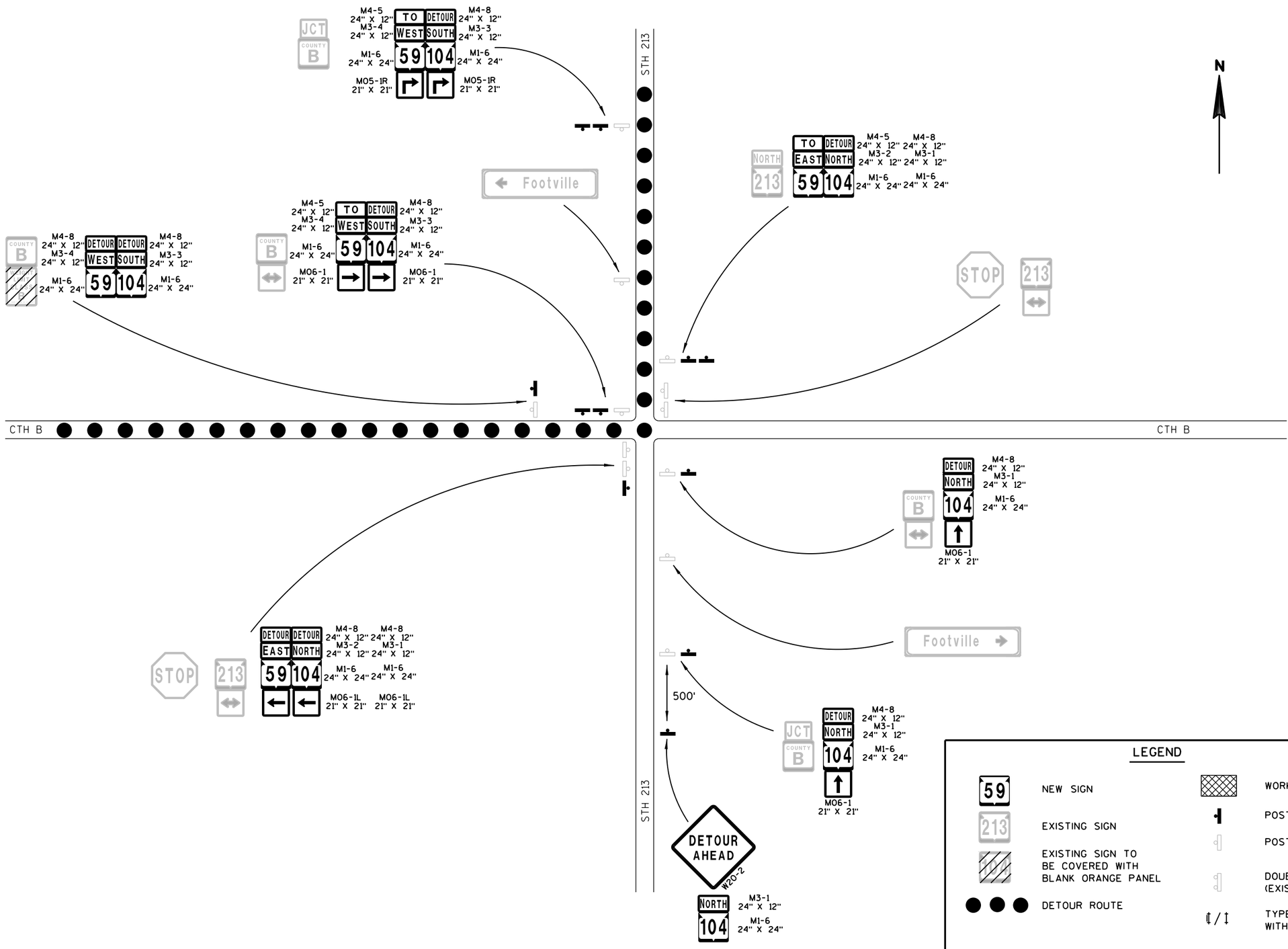
500'

500'

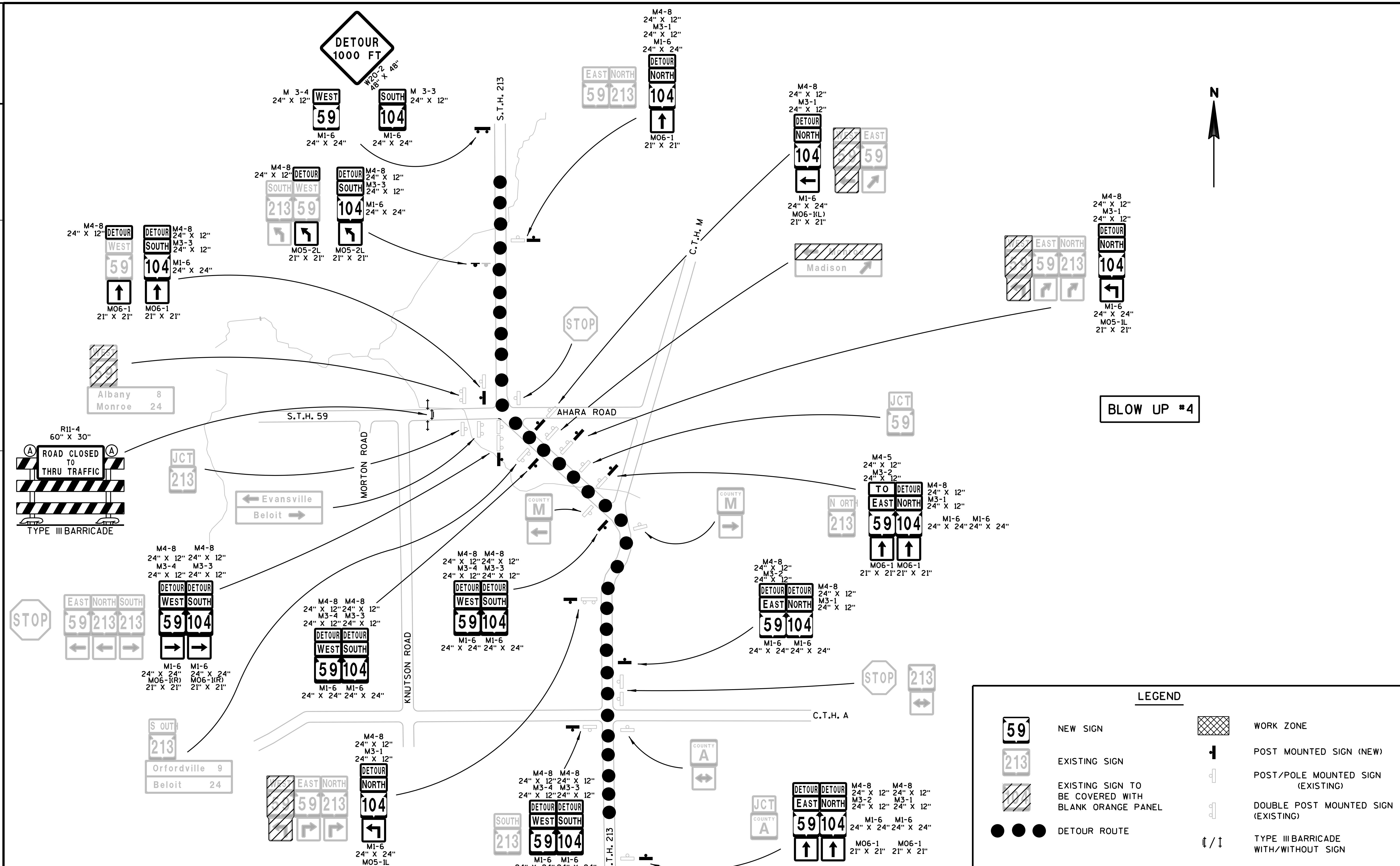
DETOUR 1500 FT
W20-2
M3-2 24" X 12" EAST 59 M1-6 24" X 24"
M3-1 24" X 12" NORTH 104 M1-6 24" X 24"

DETOUR AHEAD
W20-2
M3-2 24" X 12" EAST 59 M1-6 24" X 24"
M3-1 24" X 12" NORTH 104 M1-6 24" X 24"

2



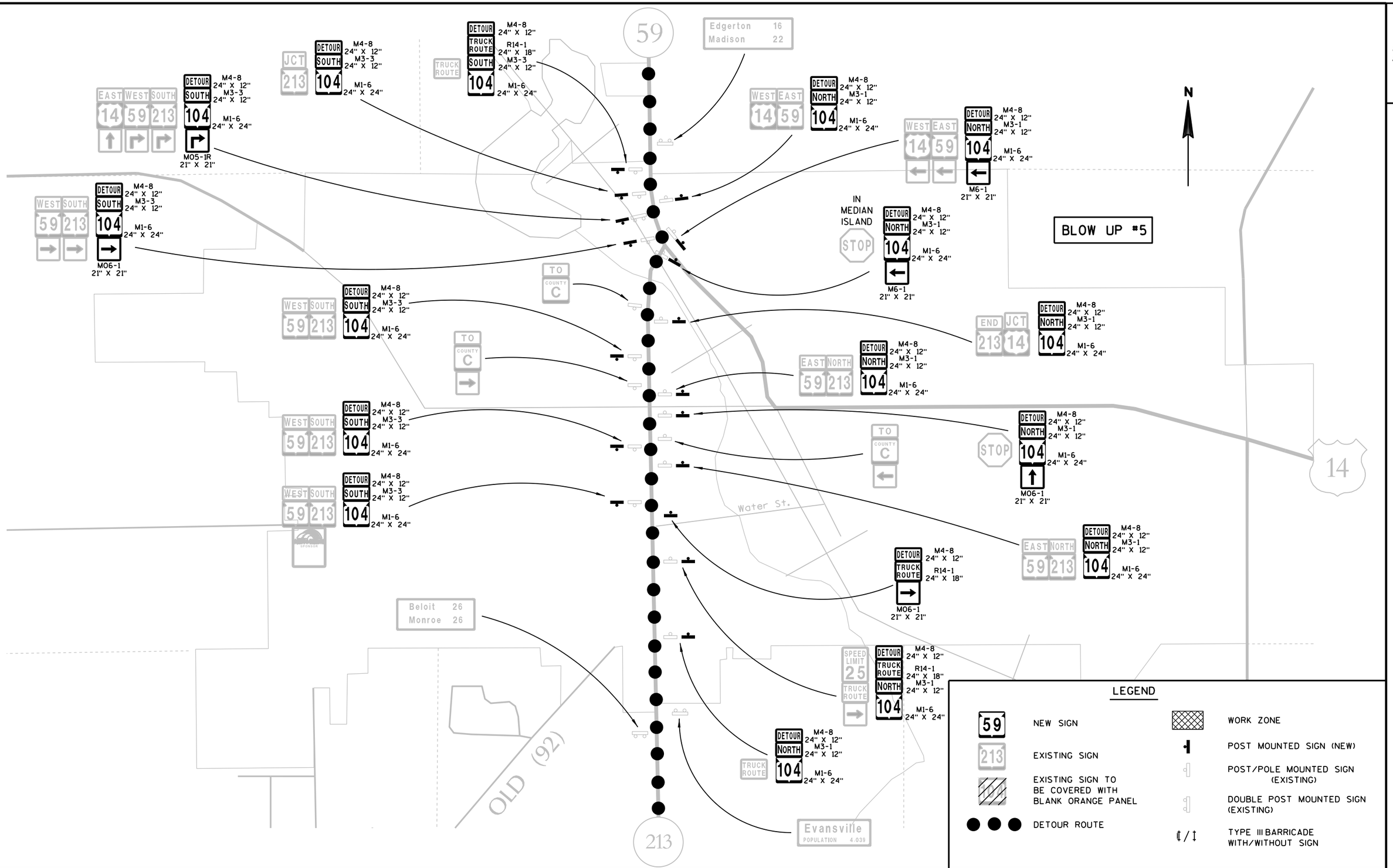
PROJECT NO: 5670-00-74	HWY: STH 59/104	COUNTY: ROCK/GREEN	DETOUR ROUTE - TRAFFIC CONTROL BLOW UP #3	SHEET	E



PROJECT NO:5670-00-74	HWY:STH 59/104	COUNTY:ROCK/GREEN	DETOUR ROUTE - TRAFFIC CONTROL BLOW UP #4	SHEET	E

FILE NAME : R:\Projects\d1_56700004\027004_dt.dgn PLOT DATE : 24-JAN-2013 10:15 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000 WISDOT/CADDS SHEET 42

2



PROJECT NO: 5670-00-74	HWY: STH 59/104	COUNTY: ROCK/GREEN	DETOUR ROUTE - TRAFFIC CONTROL BLOW UP #5	SHEET	E

2

BLOW UP #6

N

LEGEND

- NEW SIGN
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL
- DETOUR ROUTE
- WORK ZONE
- POST MOUNTED SIGN (NEW)
- POST/POLE MOUNTED SIGN (EXISTING)
- DOUBLE POST MOUNTED SIGN (EXISTING)
- TYPE III BARRICADE WITH/WITHOUT SIGN

14

59

JCT 59

DETOUR SOUTH 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24"

WEST 14

DETOUR NORTH 104 — M4-8 24" X 12", M3-1 24" X 12", M1-6 24" X 24"

SPEED LIMIT 45

EAST 59

EAST 59 | WEST 59

DETOUR SOUTH 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24"

M05-2R 21" X 21"

Edgerton
Evansville

DETOUR NORTH 104 — M4-8 24" X 12", M3-1 24" X 12", M1-6 24" X 24"

Madison
Edgerton

EAST 59 | WEST 59

DETOUR SOUTH 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24"

M06-2 21" X 21"

Union
UNINCORPORATED

DETOUR NORTH 104 — M4-8 24" X 12", M3-1 24" X 12", M1-6 24" X 24"

M05-2L 21" X 21"

WEST 14 | EAST 59

W. Union Rd.

E. Union Rd.

EAST 59 | WEST 59

DETOUR SOUTH 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24"

Union
UNINCORPORATED

DETOUR SOUTH 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24"

59

14

SPEED LIMIT 45

DETOUR NORTH 104 — M4-8 24" X 12", M3-1 24" X 12", M1-6 24" X 24"

PROJECT NO: 5670-00-74	HWY: STH 59/104	COUNTY: ROCK/GREEN	DETOUR ROUTE - TRAFFIC CONTROL BLOW UP #6	SHEET	E

2

2

LEGEND

- NEW SIGN (59)
- EXISTING SIGN (104)
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL
- DETOUR ROUTE
- WORK ZONE
- POST MOUNTED SIGN (NEW)
- POST/POLE MOUNTED SIGN (EXISTING)
- DOUBLE POST MOUNTED SIGN (EXISTING)
- TYPE III BARRICADE WITH/WITHOUT SIGN

BLOW UP #7

N

BIGLOW RD

OAK LN RD

STOP

DETOUR / NORTH / 104 — M4-8 24" X 12", M3-1 24" X 12", M1-6 24" X 24", M06-1 21" X 21"
WEST 92

DETOUR / SOUTH / 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24", M06-1 21" X 21"
JCT END 14 92

Madison
Evansville

Madison
Brooklyn

DETOUR / NORTH / 104 — M4-8 24" X 12", M3-1 24" X 12", M1-6 24" X 24", M5-1L 21" X 21"
WEST WEST 92 14

92

DETOUR / SOUTH / 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24", M06-1 21" X 21"
W ES 92
Brooklyn 1

DETOUR / SOUTH / 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24", M06-1 21" X 21"
W ES EAST 14 14

DETOUR / SOUTH / 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24"
EAST 14

DETOUR / NORTH / 104 — M4-8 24" X 12", M3-1 24" X 12", M1-6 24" X 24", M06-1 21" X 21"
JCT 92

DETOUR / SOUTH / 104 — M4-8 24" X 12", M3-3 24" X 12", M1-6 24" X 24", M05-1R 21" X 21"
W ES EAST 14 14

Evansville 6

Rock Co

14

PROJECT NO: 5670-00-74	HWY: STH 59/104	COUNTY: ROCK/GREEN	DETOUR ROUTE - TRAFFIC CONTROL BLOW UP #7	SHEET	E

FILE NAME : R:\Projects\d1_56700004\027007_dt.dgn PLOT DATE : 24-JAN-2013 10:15 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 200.000000:1.000000

WISDOT/CADDS SHEET 42

2

2

LEGEND

- 59 — NEW SIGN
- 104 — EXISTING SIGN
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL
- DETOUR ROUTE
- WORK ZONE
- POST MOUNTED SIGN (NEW)
- POST/POLE MOUNTED SIGN (EXISTING)
- DOUBLE POST MOUNTED SIGN (EXISTING)
- TYPE III BARRICADE WITH/WITHOUT SIGN

BLOW UP #8

ROAD CLOSED AHEAD W20-3

DETOUR AHEAD W20-2

MM

500'

92

500'

DETOUR AHEAD W20-2

ROAD CLOSED AHEAD W20-3

M4-8 24" X 12" DETOUR NORTH SOUTH COUNTY MM 104 M06-1 21" X 21"

ROAD CLOSED 8 MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60" X 30"

M4-8 24" X 12" DETOUR SOUTH M3-3 24" X 12" 104 M1-6 24" X 24" M06-1 21" X 21"

104 92

JCT 104 NORTH COUNTY MM

JCT 104 JCT COUNTY MM

M4-8 24" X 12" DETOUR NORTH M3-1 24" X 12" 104 M1-6 24" X 24"

M4-8 24" X 12" DETOUR SOUTH M3-3 24" X 12" 104 M1-6 24" X 24" 92

Brooklyn UNINCORPORATED

M4-8 24" X 12" DETOUR SOUTH M3-3 24" X 12" 104 M1-6 24" X 24" JCT 14 END 92

104

PROJECT NO: 5670-00-74	HWY: STH 59/104	COUNTY: ROCK/GREEN	DETOUR ROUTE - TRAFFIC CONTROL BLOW UP #8	SHEET	E

DATE 19MAR13 — E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5670-00-74 QUANTITY
0010	201.0205	GRUBBING	STA	13.000	13.000
0020	202.0105	ROADSIDE CLEARING	STA	13.000	13.000
0030	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	7.000	7.000
0040	203.0200	REMOVING OLD STRUCTURE (STATION) 01. STA. 16+30, STH 104	LS	1.000	1.000
0050	203.0200	REMOVING OLD STRUCTURE (STATION) 02. STA. 11+57, STH 59	LS	1.000	1.000
0060	204.0170	REMOVING FENCE	LF	986.000	986.000
0070	205.0100	EXCAVATION COMMON	CY	17,023.000	17,023.000
0080	213.0100	FINISHING ROADWAY (PROJECT) 01. 5670-00-74	EACH	1.000	1.000
0090	214.0100	OBLITERATING OLD ROAD	STA	10.000	10.000
0100	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	1,125.000	1,125.000
0110	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	15,600.000	15,600.000
0120	312.0110	SELECT CRUSHED MATERIAL	TON	11,800.000	11,800.000
0130	440.4410.S	INCENTIVE IRI RIDE	DOL	2,663.000	2,663.000
0140	455.0105	ASPHALTIC MATERIAL PG58-28	TON	270.000	270.000
0150	455.0605	TACK COAT	GAL	1,300.000	1,300.000
0160	460.1103	HMA PAVEMENT TYPE E-3	TON	4,650.000	4,650.000
0170	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	2,706.000	2,706.000
0180	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	100.000	100.000
0190	465.0315	ASPHALTIC FLUMES	SY	100.000	100.000
0200	520.0118	CULVERT PIPE CLASS III 18-INCH	LF	60.000	60.000
0210	520.1018	APRON ENDWALLS FOR CULVERT PIPE 18-INCH	EACH	2.000	2.000
0220	522.0324	CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH	LF	88.000	88.000
0230	522.0342	CULVERT PIPE REINFORCED CONCRETE CLASS IV 42-INCH	LF	136.000	136.000
0240	522.1012	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	EACH	1.000	1.000
0250	522.1015	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH	EACH	1.000	1.000
0260	522.1024	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	EACH	2.000	2.000
0270	522.1042	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH	EACH	4.000	4.000
0280	523.0419	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH	LF	83.000	83.000
0290	523.0424	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH	LF	134.000	134.000
0300	523.0519	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH	EACH	2.000	2.000
0310	523.0524	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH	EACH	2.000	2.000
0320	601.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D	LF	2,144.000	2,144.000
0330	606.0200	RIPRAP MEDIUM	CY	20.000	20.000
0340	608.0412	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	LF	59.000	59.000
0350	608.0415	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH	LF	49.000	49.000
0360	611.0615	INLET COVERS TYPE F	EACH	1.000	1.000

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5670-00-74 QUANTITY
0370	611.0642	INLET COVERS TYPE MS	EACH	1.000	1.000
0380	611.3253	INLETS 2.5X3-FT	EACH	1.000	1.000
0390	611.3901	INLETS MEDIAN 1 GRATE	EACH	1.000	1.000
0400	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 5670-00-74	EACH	1.000	1.000
0410	619.1000	MOBILIZATION	EACH	1.000	1.000
0420	624.0100	WATER	MGAL	106.000	106.000
0430	625.0500	SALVAGED TOPSOIL	SY	36,900.000	36,900.000
0440	627.0200	MULCHING	SY	36,400.000	36,400.000
0450	628.1104	EROSION BALES	EACH	30.000	30.000
0460	628.1504	SILT FENCE	LF	7,500.000	7,500.000
0470	628.1520	SILT FENCE MAINTENANCE	LF	15,000.000	15,000.000
0480	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	4.000	4.000
0490	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	8.000	8.000
0500	628.2002	EROSION MAT CLASS I TYPE A	SY	2,300.000	2,300.000
0510	628.2004	EROSION MAT CLASS I TYPE B	SY	3,650.000	3,650.000
0520	628.2023	EROSION MAT CLASS II TYPE B	SY	45.000	45.000
0530	628.7005	INLET PROTECTION TYPE A	EACH	2.000	2.000
0540	628.7504	TEMPORARY DITCH CHECKS	LF	145.000	145.000
0550	628.7555	CULVERT PIPE CHECKS	EACH	7.000	7.000
0560	629.0210	FERTILIZER TYPE B	CWT	27.000	27.000
0570	630.0130	SEEDING MIXTURE NO. 30	LB	1,200.000	1,200.000
0580	630.0200	SEEDING TEMPORARY	LB	300.000	300.000
0590	633.5200	MARKERS CULVERT END	EACH	14.000	14.000
0600	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	15.000	15.000
0610	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	20.000	20.000
0620	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	8.000	8.000
0630	637.0202	SIGNS REFLECTIVE TYPE II	SF	397.000	397.000
0640	638.2602	REMOVING SIGNS TYPE II	EACH	36.000	36.000
0650	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	35.000	35.000
0660	642.5001	FIELD OFFICE TYPE B	EACH	1.000	1.000
0670	643.0100	TRAFFIC CONTROL (PROJECT) 01. 5670-00-74	EACH	1.000	1.000
0680	643.0300	TRAFFIC CONTROL DRUMS	DAY	3,500.000	3,500.000
0690	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	840.000	840.000
0700	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	1,680.000	1,680.000
0710	643.0710	TRAFFIC CONTROL WARNING LIGHTS TYPE B	DAY	3,500.000	3,500.000
0720	643.0900	TRAFFIC CONTROL SIGNS	DAY	4,450.000	4,450.000
0730	643.0910	TRAFFIC CONTROL COVERING SIGNS TYPE I	EACH	19.000	19.000
0740	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	32.000	32.000
0750	643.2000	TRAFFIC CONTROL DETOUR (PROJECT) 01. 5670-00-74	EACH	1.000	1.000
0760	643.3000	TRAFFIC CONTROL DETOUR SIGNS	DAY	21,650.000	21,650.000
0770	645.0130	GEOTEXTILE FABRIC TYPE R	SY	40.000	40.000
0780	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	24,450.000	24,450.000
0790	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	605.000	605.000
0800	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	75.000	75.000
0810	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	2.000	2.000
0820	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	4,458.000	4,458.000
0830	650.5000	CONSTRUCTION STAKING BASE	LF	4,458.000	4,458.000
0840	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	2,144.000	2,144.000
0850	650.6000	CONSTRUCTION STAKING PIPE CULVERTS	EACH	6.000	6.000
0860	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 5670-00-74	LS	1.000	1.000

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LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	5670-00-74 QUANTITY
0870	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	8,632.000	8,632.000
0880	690.0150	SAWING ASPHALT	LF	1,800.000	1,800.000
0890	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT $5.00/HR	HRS	250.000	250.000
0900	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	HRS	400.000	400.000
0910	SPV.0060	SPECIAL 01. CULVERT PIPE END GRATE	EACH	12.000	12.000
0920	SPV.0090	SPECIAL 01. BARBED WIRE FENCE (5-FOOT)	LF	917.000	917.000

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EARTHWORK SUMMARY

STATION	TO	STATION	LOCATION	(205.0100) EXCAVATION COMMON (1) CUT (2) (CY)	(205.0100) EXCAVATION COMMON (1) EBS EXCAVATION (3) (CY)	SALVAGE/UNUSABLE PAVEMENT MATERIAL (CY)	AVAILABLE MATERIAL (4) (CY)	UNEXPANDED FILL (CY)	EXPANDED FILL FILL FACTOR = 1.25 (CY)	MASS ORDINATE (+/-) (CY)	WASTE (CY)
14+89	-	39+29	STH 104	8,280	828	497	7,783	4,775	5,968	1,815	1,815
10+55	-	21+00	STH 59	6,097	610	213	5,884	234	293	5,591	5,591
0+00	-	5+85	STH 213	505	50	33	472	151	188	283	283
22+50	-	23+50	W. AHARA ROAD	427	43	21	406	5	6	400	400
29+50	-	31+00	W. AHARA ROAD WIDENING	48	5	0	48	17	22	26	26
3+50	-	4+75	TRAILER PARK PE	118	12	0	118	12	15	103	103
			TOTAL:	15,475	1,548	764	14,711	5,194	6,493	8,219	8,219
			TOTAL COMMON EXCAVATION:	17,023							

(1) COMMON EXCAVATION IS THE SUM OF ALL THE ROADWAY CUT.
(2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
(4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL.

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ROADSIDE CLEARING

GROUP CODE	STATION	TO	STATION	AVERAGE OFFSET (FT)	LOCATION	(201.0205) GRUBBING (STA)	(202.0105) ROADSIDE CLEARING (STA)	(213.0100) FINISHING ROADWAY (EACH)
0010	14+89	-	39+29	55	STH 104	5	5	1
					SUB-TOTALS:	5	5	1
	0+00	-	5+00	50 RT	STH 213	5	5	--
	22+50	-	23+50	33	W AHARA RD	1	1	--
	3+00	-	4+89	25	MOBILE HOME DW	2	2	--
					SUB-TOTALS:	8	8	--
					TOTALS:	13	13	1

OBLITERATING OLD ROAD

GROUP CODE	LOCATION	(214.0100) (STA)
0010	STH 59 RT TURN LANE	10
	TOTAL:	10

3

FENCING

GROUP CODE	LOCATION	(204.0170) REMOVING FENCE (LF)	(SPV.0090.01) BARBED WIRE FENCE 5-FT (LF)	REMARKS
0010	STH 213	986	917	NE QUAD OF STH 213/59AHARA RD.
	TOTAL:	986	917	

BASE AGGREGATE

GROUP CODE	STATION	TO	STATION	LOCATION	(305.0110) BASE AGGREGATE DENSE 3/4 INCH (TON)	(305.0120) BASE AGGREGATE DENSE 1- 1/4 INCH (TON)	(312.0110) SELECT CRUSHED MATERIAL (TON)
0010	14+89	-	39+29	STH 104	718	9,102	7659
	10+24	-	21+00	STH 59	138	3,655	2707
				ENTRANCES	115	--	--
				SUB-TOTALS:	971	12,756	10,367
	0+00	-	5+86	STH 213	15	639	347
	22+07	-	22+80	W. AHARA RD	20	549	18
	3+00		4+89	TRAILER PARK PE, RT.	--	171	--
				SUB-TOTALS:	35	1,359	365
				UNDISTRIBUTED	119	1,485	1068
				TOTALS:	1,125	15,600	11,800

3

HMA PAVEMENT

GROUP CODE	STATION	TO	STATION	LOCATION	(460.1103) HMA PAVEMENT TYPE E-3 (TON)	(455.0105) ASPHALTIC MATERIAL PG 58-28 (TON)	(455.0605) TACK COAT (GAL)	(465.0120) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)
0010	14+89	-	39+29	STH 104	2,828	156	771	--
	32+75			PE, LT	--	1	3	6
	10+24	-	21+00	STH 59	1,042	57	281	--
				SUB-TOTALS:	3,870	214	1,055	6
	0+00	-	5+86	STH 213	308	17	83	--
	22+07	-	22+80	W. AHARA RD	49	3	13	--
	3+00	-	4+89	TRAILER PARK PE, RT.	--	4	35	78
				SUB-TOTALS:	357	24	131	78
				UNDISTRIBUTED	424	32	115	16
				TOTALS:	4,650	270	1,300	100

3

ASPHALTIC FLUME

GROUP CODE	STATION	LOCATION	(465.0315) ASPHALTIC FLUME (SY)	(628.2023) EROSION MAT CLASS II TYPE B (SY)
0010	28+20	STH 104 NE RADII	13	5
	31+70	STH 104, RT	15	5
	32+40	STH 104, LT	12	5
	36+80	STH 104, LT	11	5
	37+35	STH 104, RT	12	5
	10+65	STH 59, RT, SE RADII	13	5
	19+60	STH 59, LT	10	5
		SUB-TOTALS:	86	35
	5+15	STH 213, RT	10	6
		SUB-TOTALS:	10	6
		UNDISTRIBUTED	4	4
		TOTALS:	100	45

DRAINAGE

GROUP CODE	STATION	LOCATION	(203.0100) REMOVE SMALL PIPE CULVERTS (EACH)	(203.0200) REMOVING OLD STRUCTURE (LS)	MINIMUM ALUMINUM THICKNESS (INCHES)	MINIMUM STEEL THICKNESS (INCHES)	(520.0118) CULVERT PIPE CLASS III 18-INCH (LF)	(520.1018) APRON ENDWALLS FOR CULVERT PIPE 18-INCH (EACH)	(522.0324) CULVERT PIPE REINFORCED COCRETE CLASS IV 24-INCH (LF)	(522.0342) CULVERT PIPE REINFORCED CONCRETE CLASS IV 42-INCH (LF)	(522.0348) CULVERT PIPE REINFORCED CONCRETE CLASS IV 42-INCH (LF)	(522.1024) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	(522.1042) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH (EACH)
0010	3+99	STH 104	1	--	--	--	--	--	--	--	54	--	--
	16+30 - 16+76	STH 104	2	1	--	--	--	--	--	82	--	--	2
	28+03	STH 104	1	--	--	--	--	--	88	--	--	2	--
	10+55	STH 59	--	--	--	--	--	--	--	--	--	--	--
	11+57	STH 59	1	1	--	--	--	--	--	--	--	--	--
	11+60	STH 59	--	--	--	--	--	--	--	--	--	--	--
	15+00	STH 59	--	--	--	--	--	--	--	--	--	--	--
	22+11	W AHARA RD	1	--	--	--	--	--	--	--	--	--	--
	22+31	W AHARA RD	--	--	--	--	--	--	--	--	--	--	--
	4+70	MOBILE HOME DW	1	--	--	--	--	--	--	--	--	--	--
	4+74	MOBILE HOME DW	--	--	0.060	0.064	60	2	--	--	--	--	--
		TOTALS:	7	2			60	2	88	82	54	2	2

DRAINAGE

GROUP CODE	STATION	LOCATION	(522.1048) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH (EACH)	(523.0419) CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30 INCH (LF)	(523.0424) CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38 INCH (LF)	(523.0519) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30 INCH (EACH)	(523.0524) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38 INCH (EACH)	(SPV.0060.01) CULVERT PIPE END GRATE (EACH)	REMARKS
0010	3+99	STH 104	2	--	--	--	--	2	SOUTH OF DUNPHY RD
	16+30 - 16+76	STH 104	--	--	--	--	--	2	SKEW PIPE, BOX CULVERT
	28+03	STH 104	--	--	--	--	--	2	
	10+55	STH 59	--	83	--	2	--	2	
	11+57	STH 59	--	--	--	--	--	--	
	11+60	STH 59	--	--	--	--	--	1	
	15+00	STH 59	--	--	--	--	--	1	
	22+11	W AHARA RD	--	--	--	--	--	--	
	22+31	W AHARA RD	--	--	134	--	2	2	
	4+70	MOBILE HOME DW	--	--	--	--	--	--	
	4+74	MOBILE HOME DW	--	--	--	--	--	--	
		TOTALS:	2	83	134	2	2	12	

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STORM SEWER PIPES

PIPE LOCATION FROM STRUCTURE NO.	PIPE LOCATION TO STRUCTURE NO.	PIPE INLET ELEVATION	PIPE DISCHARGE ELEVATION	SLOPE %	(522.1012) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH (EACH)	(522.1015) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH (EACH)	(608.0412) STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH (LF)	(608.0415) STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH (LF)	(628.7005) INLET PROTECTION TYPE A (EACH)	(650.4000) CONSTRUCTION STAKING STORM SEWER (EACH)
1.0	1.1	864.94	864.65	0.50	1	--	59	--	1	1
2.0	2.1	868.77	868.53	0.50	--	1	--	49	1	1
				TOTALS:	1	1	59	49	2	2

STORM SEWER STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	LOCATION	OFFSET TO CENTER OF STRUCTURE	CASTING ELEVATION	TOP OF STRUCTURE ELEVATION	BOTTOM OF STRUCTURE ELEVATION	STRUCTURE DEPTH FT	(611.0615) INLET COVERS TYPE F (EACH)	(611.0642) INLET COVERS TYPE MS (EACH)	(611.3253) INLETS 2.5 X 3-FT (EACH)	(611.3901) INLETS MEDIAN 1 GRATE (EACH)
1.0	11+60	STH 59	32' LT.	867.32	867.13	864.94	2.19	--	1	--	1
2.0	15+00	STH 59	20' LT.	873.38	873.00	868.77	4.23	1	--	1	--
							TOTALS:	1	1	1	1

1. CASTING ELEVATIONS ARE GIVEN AT THE FLOW LINE FOR INLET GRATES.
2. STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. TOP OF STRUCTURE = CASTING ELEVATION - CASTING HEIGHT - ADJUSTMENT (SEE CONSTRUCTION DETAIL).

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CURB & GUTTER

GROUP CODE	STATION	-	STATION	LOCATION	(601.0557) CURB & GUTTER 6 INCH SLOPED 36 INCH TYPE D (LF)	COMMENT
0010	26+75	-	27+25	STH 104	60	SE RADIUS
	27+75	-	28+10	STH 104	75	NE RADIUS
	31+78	-	37+27	STH 104, RT.	549	
	32+51	-	36+79	STH 104, LT.	428	
	10+74	-	19+50	STH 59, LT.	876	
				SUB-TOTAL:	1,988	
	3+55	-	4+25	STH 213	90	SE QUAD RADIUS
	4+50	-	5+00	STH 213	66	NE QUAD RADIUS
				SUB -TOTAL:	156	
				TOTAL:	2,144	

WATER

GROUP CODE	TYPE OF WORK	LOCATION	(624.0100) (MGAL)
0010	BASE AGGREGATES	STH 59/104/213/AHARA RD	71
	UNDISTRIBUTED (DUST CONTROL)	STH 59/104/213/AHARA RD	35
		TOTAL:	106

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EROSION CONTROL ITEMS

GROUP CODE	ROADWAY	(619.1000) MOBILIZATION (EACH)	(625.0500) SALVAGED TOPSOIL (SY)	(627.0200) MULCHING (SY)	(629.0210) FERTILIZER TYPE B (CWT)	(628.1504) SILT FENCE (LF)	(628.1520) SILT FENCE MAINTENANCE (LF)	(628.1905) MOBILIZATIONS EROSION CONTROL (EACH)	(628.1910) MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)	(630.0130) SEEDING MIX NO. 30 (LB)	(630.0200) SEEDING TEMPORARY (LB)	(628.1104) EROSION BALES (EACH)	(628.2004) EROSION MAT CLASS I TYPE B (SY)	(628.2002) EROSION MAT CLASS I TYPE A (SY)	(628.7504) TEMPORARY DITCH CHECKS (LF)	(628.7555) CULVERT PIPE CHECKS (EACH)	(606.0200) RIPRAP MEDIUM (CY)	(645.0130) GEOTEXTILE FABRIC TYPE R (SY)
0100	STH 104	1	14,754	14,754	11	3,820	7,640	2	4	515	129	9	1,467	2,133	64	3	16	36
	STH 59	--	6,233	6,233	5	1,445	2,890	--	--	217	54	6	929	--	42	3	--	--
	OLD STH 59 TURN LN	--	10,556	10,556	8	950	1,900	--	0	368	92	--	--	--	--	--	--	--
	SUB-TOTALS:	1	31,543	31,543	24	6,215	12,430	2	4	1,100	275	15	2,396	2,133	106	6	16	36
	STH 213	--	2,661	2,661	2	500	1,000	2	4	26	6	4	533	--	22	1	--	--
	W AHARA RD	--	933	467	--	400	800	--	0	16	4	5	533	--	8	--	--	--
	SUB-TOTALS:	--	3,594	3,128	2	900	1,800	2	4	42	10	9	1,067	--	30	1	--	--
	UNDISTRIBUTED	--	1,763	1,730	1	385	770	--	--	58	14	6	188	167	9	--	4	4
	TOTALS:	1	36,900	36,400	27	7,500	15,000	4	8	1,200	300	30	3,650	2,300	145	7	20	40

3

TRAFFIC CONTROL

GROUP CODE	STAGE	(643.0100) TRAFFIC CONTROL (PROJECT) (EACH)	(643.0300) TRAFFIC CONTROL DRUMS (DAY)	(643.0420) TRAFFIC CONTROL BARRICADES TYPE III (DAY)	(643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A (DAY)	(643.0710) TRAFFIC CONTROL WARNING LIGHTS TYPE B (DAY)	(643.0900) TRAFFIC CONTROL SIGNS (DAY)	(643.0910) TRAFFIC CONTROL COVERING SIGNS TYPE I (EACH)	(643.2000) TRAFFIC CONTROL DETOUR (PROJECT) (EACH)	(643.3000) TRAFFIC CONTROL DETOUR SIGNS (DAY)	(643.1000) TRAFFIC CONTROL SIGN FIXED MESSAGE (SF)
0010	1	1	--	720	1,440	--	3,000	9	1	20,220	--
	2	--	3,340	80	160	3,340	1,240	10	--	400	32
	UNDISTRIBUTED	--	160	40	80	160	212	--	--	1,031	--
	TOTALS:	1	3,500	840	1,680	3,500	4,450	19	1	21,650	32

3

SIGNING

GROUP CODE	SIGN CODE	STATION	LOCATION (RT/LT)	SIGN MESSAGE	SIZE (IN X IN)	(637.0202) SIGNS REFLECTIVE TYPE II (SF)	(634.0614) POSTS WOOD 4X6-INCH X 14-FT (EACH)	(634.0616) POSTS WOOD 4X6-INCH X 16 -FT (EACH)	(634.0618) POSTS WOOD 4X6-INCH X 18 -FT (EACH)	(638.2602) REMOVING SIGNS TYPE II (EACH)	(638.3000) REMOVING SMALL SIGN SUPPORTS (EACH)	(633.5200) MARKERS CULVERT END (EACH)
0010	1 - 1	10+75	RT	104 NORTH & 59 EAST	--	--	--	--	--	1	1	--
	1 - 2, 1 - 3	13+25	RT	SPEED 50 MPH	--	--	--	--	--	2	1	--
	1 - 4	15+20	RT	BROOKLYN/EVANSVILLE	--	--	--	--	--	1	2	--
	1 - 5	19+00	LT	59 WEST & 104 SOUTH	--	--	--	--	--	1	1	--
	1 - 6	19+50	RT	104 NORTH & 59 EAST	--	--	--	--	--	1	1	--
	1 - 6A, J 2 - 2	19+50	RT	104 NORTH & 59 EAST	48" X 57"	19	--	--	1	--	--	--
	1 - 7, 1 - 8	21+75	LT	STOP & 59 W, 104 SOUTH	--	--	--	--	--	2	2	--
	1 - 9, D 1-2	22+50	RT	BROOKLYN/EVANSVILLE	72" X 30"	15	2	--	--	--	--	--
	1 - 10	22+15	RT	NB ARROW(W1-6)	--	--	--	--	--	1	1	--
	1 - 11, D 2 - 2	22+60	LT	ALBANY/BROADHEAD	78" X 24"	13	2	--	--	--	--	--
	1 -12, R2 - 1	24+50	LT	SPEED LIMIT 55	24" X 30"	5	1	--	--	--	--	--
	2 - 1,J 4-2	26+55	LT	59 WEST & 104 SOUTH	48" X 36"	12	--	--	1	--	--	--
	2 - 2, J 3-2	26+75	RT	104 NORTH & 59 EAST	48" X 57"	19	--	1	--	--	--	--
	2 - 3, J4 -1	11+40	LT	EAST 59	24" X 36"	6	--	1	--	--	--	--
	2 - 4, W 1-7	27+50	LT	104 N-S ARROW	48" X 24"	8	1	--	--	--	--	--
	2 - 5	27+50	LT	104 NORTH ARROW	--	--	--	--	--	1	1	--
	2 - 6	27+75	LT	59 EAST ARROW	--	--	--	--	--	1	1	--
	2 - 7	27+65	RT	STOP	--	--	--	--	--	1	1	--
	2 - 7A, R1 - 1	27+80	RT	STOP	36" X 36"	7.46	--	1	--	--	--	--
	2 - 8, J 3-3	28+10	RT	104 N-S, & 59 WEST	72" X 57"	28.5	--	--	2	--	--	--
	2 - 9, J 3-3	28+10	RT	104 N-S, & 59 WEST	72" X 57"	28.5	--	--	2	--	--	--
	2 - 10A	29+00	RT	STH 104N	--	--	--	--	--	1	1	--
	2 - 10, J 4-1	28+90	RT	STH 104N	24"X36"	6	--	1	--	--	--	--
	2 - 11, R2 -1	31+00	RT	SPEED LIMIT 55	24" X 30"	5	--	1	--	--	--	--
	2 - 12	32+30	LT	STOP ARROW	--	--	--	--	--	1	1	--
	2 - 13, D 2-1	30+90	RT	BROOKLYN	66" X 15"	8.125	2	--	--	--	--	--
	2 14, D 1- 3	33+80	LT	ALBANY/BRODHEAD/EVANSVILLE	72" X 36"	18	--	2	--	--	--	--

Continues in next page

SIGNING

GROUP CODE	SIGN CODE	STATION	LOCATION (RT/LT)	SIGN MESSAGE	SIZE (IN X IN)	(637.0202) SIGNS REFLECTIVE TYPE II (SF)	(634.0614) POSTS WOOD 4X6-INCH X 14-FT (EACH)	(634.0616) POSTS WOOD 4X6-INCH X 16 -FT (EACH)	(634.0618) POSTS WOOD 4X6-INCH X 18 -FT (EACH)	(638.2602) REMOVING SIGNS TYPE II (EACH)	(638.3000) REMOVING SMALL SIGN SUPPORTS (EACH)	(633.5200) MARKERS CULVERT END (EACH)
	2 - 15	34+10	LT	59 E-W, 104 SOUTH	--	--	--	--	--	2	2	--
	2 - 16, J 3-3	36+00	LT	59 E-W, & 104 SOUTH	72" X 57"	28.5	--	2	--	--	--	--
	2 - 17	37+50	LT	JCT 59	--	--	--	--	--	1	1	--
	2 - 18, J 1-1	38+00	104/LT	JCT 59	24" X 39"	6.5	--	1	--	--	--	--
	3 - 1, D 2-1	13+50	RT	EVANSVILLE	72" X 36"	18	2	--	--	--	--	--
	3 - 2, D 1-3	14+50	LT	ALBANY/BRODHEAD/BOOKLYN	72" X 36"	18	--	2	--	--	--	--
	3 - 3	15+00	RT	BOTH DIRECTION	--	--	--	--	--	1	1	--
	3 - 4	15+40	RT	STOP	--	--	--	--	--	1	1	--
	3 - 5	15+55	RT	EVANSVILLE	72" X 15"	7.5	--	2	--	--	--	--
	3 - 6, J 2-3	16+50	LT	104 N-S, & 59 WEST	72" X 57"	28.5	--	1	1	--	--	--
	3 - 7, W 3-1	18+50	LT	STOP-WARNING	36" X 36"	9	--	1	--	--	--	--
	3 - 8	18+75	LT	59 WEST & 104 NORTH -SOUTH	--	--	--	--	--	2	2	--
	3 - 9	19+00	RT	59 EAST	--	--	--	--	--	2	1	--
	3 - 10	20+50	LT	BROOKLYN	--	--	--	--	--	1	2	--
	3 - 11, J 1-1	20+50	LT	JCT 104	24" X 39"	6.5	--	1	--	--	--	--
	3 - 12	22+90	LT	59 WEST, & 104 NORTH - SOUTH	--	--	--	--	--	2	2	--
	3 - 13, 3 - 14	25+40	LT	SPEED 50 MPH	--	--	--	--	--	2	1	--
	3 - 15	27+00	LT	JCT 104	--	--	--	--	--	1	1	--
	4 - 1	21+00	RT	MONROE LT, MADISON RT	--	--	--	--	--	1	2	--
	4 - 2, D1-2	21+00	RT	EVANSVILLE STR & ALBANY RT	72" X 30"	15	2	--	--	--	--	--
	4 - 3	23+20	RT	ADOPT HWY, EVANSVILLE CLUB	--	--	--	--	--	1	1	--
	4 - 4, I55-56	23+00	RT	STH 213, EVANSVILLE L CLUB	30" X 36"	7.5	--	1	--	--	--	--
	4 - 5, J 3-1	25+00	RT	59 W, LT, 59 E & 213 N	72" X 57"	28.5	--	1	1	--	--	--
	4 - 6	25+50	RT	WEST 59 LT EAST 59 RT	--	--	--	--	--	1	1	--
	4 - 7	25+40	RT	ENGINE BRAKE AND CHILDREN AT PLAY	--	--	--	--	--	2	1	--
	4 - 8	26+25	RT	STOP SIGN	--	--	--	--	--	1	1	--
	4 -9, R 1-1	26+30	RT	STH 213 STOP SIGN	30" X 30"	5.18	1	--	--	--	--	--
	4 - 11	27+80	RT	EAST 59, NORTH 213	--	--	--	--	--	1	1	--
	4 -10, J 4-2	27+15	RT	59E & 213N	36" X 48"	12	--	1	--	--	--	--
	5 - 1, D2 - 1	31+00/213	RT	EVANSVILLE 3	78" X 15"	8.125	2	--	--	--	--	--
	STH 59/104	3+99	LT & RT	1090 FT S OF DUNPHY RD	--	--	--	--	--	--	--	2
	STH 59/104	16+76	LT & RT	--	--	--	--	--	--	--	--	2
	STH 59/104	28+03	LT & RT	--	--	--	--	--	--	--	--	2
	STH 59	10+55	LT & RT	--	--	--	--	--	--	--	--	2
	STH 59	11+60	LT & RT	--	--	--	--	--	--	--	--	2
	STH 59	15+00	LT & RT	--	--	--	--	--	--	--	--	2
	STH 213	5+00	LT & RT	--	--	--	--	--	--	--	--	2
				TOTALS:		397	15	20	8	36	35	14

3

PAVEMENT MARKING

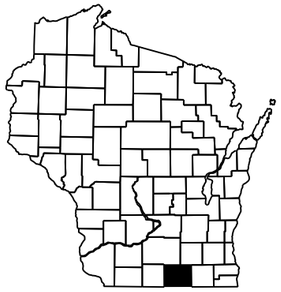
GROUP CODE	STATION	TO	STATION	LOCATION	ROADWAY	(646.0106) PAVEMENT MARKING EPOXY 4-INCH WHITE (LF)	(646.0106) PAVEMENT MARKING EPOXY 4-INCH YELLOW (LF)	(646.0126) PAVEMENT MARKING EPOXY 8-INCH (LF)	(647.0566) PAVEMENT MARKING STOPLINE EPOXY 18-INCH (LF)
0010	14+89	-	21+85	STH 104/59 (RT)	STH 104	696	--	--	--
	14+89	-	26+84	STH 104/59 (CL, DOUBLE LINE)	STH 104	--	2,390	--	--
	14+89	-	23+23	STH 104/59 (LT)	STH 104	834	--	--	--
	21+85	-	23+34	STH 104/59 (RT)	STH 104	149	--	--	--
	21+85	-	23+34	STH 104/59 (RT, DASHED)	STH 104	38	--	--	--
	28+08	-	34+00	STH 104/59 (CL, DOUBLE LINE)	STH 104	--	1,184	--	--
	34+00	-	38+50	STH 104, (CL DASHED)	STH 104	--	125	--	--
	34+00	-	38+50	STH 104, (CL)	STH 104	--	450	--	--
	23+23	-	26+66	STH 104/59 (LT)	STH 104	343	--	--	--
	23+34	-	26+84	STH 104/59 (RT)	STH 104	--	--	350	--
	26+48	-	28+98	STH 104 (LT)	STH 104	250	--	--	--
	26+48	-	28+98	STH 104 (LT, DASHED)	STH 104	75	--	--	--
	23+34	-	26+84	STH 104 (RT)	STH 104	350	--	--	--
	28+08	-	29+08	STH 104 (RT)	STH 104	100	--	--	--
	28+98	-	31+14	STH 104 (LT)	STH 104	216	--	--	--
	29+08	-	39+29	STH 104 (RT)	STH 104	1,021	--	--	--
	31+14	-	39+29	STH 104 (LT)	STH 104	815	--	--	--
	38+50	-	39+29	STH 104 (CL)	STH 104	--	158	--	--
	10+74	-	11+38	STH 59 (RT)	STH 59	64	--	--	--
	10+30	-	--	STH 59 (LT)	STH 60	--	--	--	35
	10+34	-	22+00	STH 59 (CL, DOUBLE LINE)	STH 59	--	3,064	--	--
	10+71	-	22+00	STH 59 (LT)	STH 59	1,495	--	--	--
	11+37	-	22+00	STH 59 (RT)	STH 59	1,429	--	--	--
					SUB-TOTALS:	7,875	7,371	350	35
	22+25	-	--	W AHARA RD(LT)	AHARA RD	--	--	--	35
	1+25	-	3+50	STH 213 TURN LANE(RT)	STH 213	--	--	225	--
	0+00	-	3+50	STH 213 TURN LANE(RT)	STH 213	1,175	--	--	--
	18+00	-	32+00	STH 213 (CL, DOUBLE)	STH 213	--	2,800	--	--
	22+50	-	32+50	W AHARA RD(LT & RT)	AHARA RD	2,000		--	--
	22+25	-	32+50	W AHARA RD(CL DOUBLE LINE)	AHARA RD	--	2,050	--	--
					SUB-TOTALS:	3,175	4,850	225	35
				UNDISTRIBUTED		550	629	30	5
					TOTALS:	24,450		605	75

CONSTRUCTION STAKING

GROUP CODE	STATION	TO	STATION	LOCATION	(650.9910) CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (LS)	(650.4500) CONSTRUCTION STAKING SUBGRADE (LF)	(650.5000) CONSTRUCTION STAKING BASE (LF)	(650.5500) CONSTRUCTION STAKING CURB & GUTTER (LF)	(650.6000) CONSTRUCTION STAKING PIPE CULVERTS (EACH)	(650.9920) CONSTRUCTION STAKING SLOPE STAKES (LF)
0010	3+99			STH 59/104 MAINLINE	--	--	--	--	1	--
	14+89	-	39+29	STH 59/104 MAINLINE	1	2,440	2,440	--	2	4880
	26+75	-	27+75	STH 59/104 MAINLINE	--	63	63	60	--	--
	27+75	-	28+10	STH 59/104 MAINLINE	--	79	79	75	--	--
	31+78	-	37+27	STH 59/104 MAINLINE	--	--	--	549	--	--
	32+51	-	36+79	STH 59/104 MAINLINE	--	--	--	428	--	--
	10+74	-	19+50	STH 59	--	--	--	876	--	--
	10+24	-	21+00	STH 59	--	1,076	1,076	--	1	2152
	3+55	-	4+25	STH 213/AHARA RD	--	--	--	90	1	--
	4+50	-	5+00	STH 213/AHARA RD	--	--	--	66	--	--
	0+00	-	6+00	STH 213 TURN LANE	--	600	600	--	--	1200
	3+00	-	4+89	MOBILE HOME PE	--	200	200	--	1	400
				TOTALS:	1	4,458	4,458	2,144	6	8,632

SAWING ASPHALT

GROUP CODE	STATION	-	STATION	LOCATION	(690.0150) SAWING ASPHALT (LF)	REMARKS
0010	3+89	-	--	STH 59/104	30	1090 FT SOUTH OF
	4+10	-	--	STH 59/104	30	DUNPHYS RD
	14+89	-	--	STH 59/104	50	
	39+29	-	--	STH 59/104	30	
	21+00	-	--	STH 59	22	
				SUB-TOTAL:	162	
	20+90	-	32+58	STH 213	1154	
	24+50	-	--	W AHARA RD	20	
	27+50	-	31+50	W AHARA RD	400	NEW MOBILE HOME DW
	4+89	-	--	MOBILE HOME DW	25	OLD MOBILE HOME DW
				SUB-TOTAL:	1,599	
				UNDISTRIBUTED	39	
				TOTAL:	1,800	



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT 5670-00-22
ALBANY - EVANSVILLE ROAD
(STH 104 & STH 213 INTERSECTIONS)
STH 59
ROCK COUNTY

CONVENTIONAL SIGNS AND ABBREVIATIONS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE AND OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC.)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT (HIGHWAY, PERMANENT LIMITED OR RESTRICTED DEVELOPMENT) AREAS
TRANSMISSION STRUCTURES (LINE OPTIONAL)
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE - (COMMUNICATIONS, ELECTRIC)
ACCESS CONTROLLED BY PARCEL ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT/CONTROL)
BRIDGE

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN
COMPENSABLE
NON-COMPENSABLE
PARCEL NUMBER (102)
UTILITY NUMBER (92)
SIXTEENTH CORNER (MON)

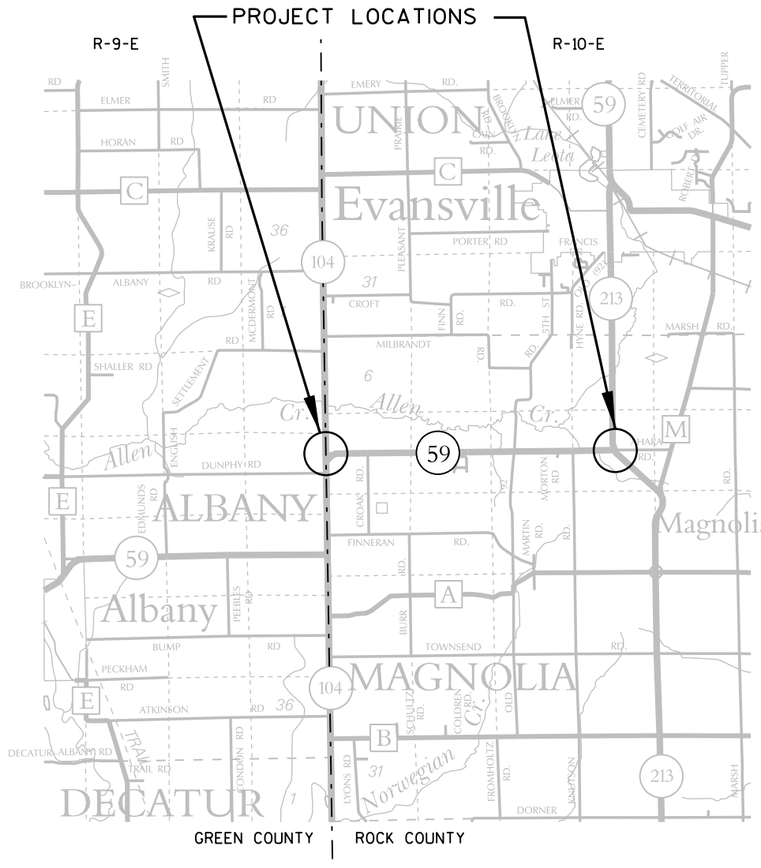
ACCESS POINT	AP
ACCESS RIGHTS	AR
ACRES	AC.
AGRICULTURAL	AG
AHEAD	AH
ALUMINUM	ALUM.
AND OTHERS	ET.AL.
BACK	BK
BLOCK	BLK
CENTERLINE	C/L
CERTIFIED SURVEY MAP	C.S.M.
CONCRETE	CONC.
CORNER	COR.
COUNTY	CO.
COUNTY TRUNK HIGHWAY	CTH
DISTANCE	DIST.
DOCUMENT NUMBER	DOC.
EASEMENT	EASE
EXISTING	EX.
GAS VALVE	G.V.
GRID NORTH	GN
HIGHWAY EASEMENT	H.E.
IDENTIFICATION	ID.
LAND CONTRACT	LC
LEFT	LT.
MONUMENT	MON.
NATIONAL GEODETIC SURVEY	NGS
NUMBER	NO.
OUTLOT	O.L.
PAGE	P.
PART OF	PT.
PERMANENT LIMITED EASEMENT	P.L.E.
POINT OF BEGINNING	P.O.B.
POINT OF COMPOUND CURVE	PCC
POINT OF CURVATURE	PC
POINT OF INTERSECTION	PI
POINT OF REVERSE CURVATURE	PRC
PRIVATE DRIVEWAY	P.D.
POINT ON TANGENT	POT
PROPERTY LINE	P.L.
RECORDED AS	(100')
REFERENCE LINE	R/L
REMAINING	REM.
RIGHT	RT.
RIGHT OF WAY	R/W
SECTION	SEC.
SEPTIC VENT	SEPV.
SQUARE FEET	S.F.
STATE TRUNK HIGHWAY	STH
STATION	STA.
SUBDIVISION	SUBD
TANGENT	TAN.
TELEPHONE PEDESTAL	T.P.
TEMPORARY LIMITED EASEMENT	T.L.E.
TRANSPORTATION PROJECT PLAT	TPP
UNITED STATES HIGHWAY	USH
VOLUME	V.

CURVE DATA

LONG CHORD	L.C.
LONG CHORD BEARING	L.C.B.
RADIUS	R.
DEGREE OF CURVE	D.
CENTRAL ANGLE OR DELTA	△.
LENGTH OF CURVE	L.
TANGENT	T.
DIRECTION AHEAD	DA.
DIRECTION BACK	DB.

CONVENTIONAL UTILITY SYMBOLS

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



LAYOUT SCALE

0 1 2 4

MILES

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5670-00-22.

NOTES:

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

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 59/104 ESTABLISHED FROM PREVIOUS PROJECTS:
SO435(5)&(6), DJ 1639, SHAMROCK ESTATES, VOL. 5 OF C.S.M., P. 288 VOL. 21 OF C.S.M., P. 263, VOL. 17 OF C.S.M., P. 84.
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 213 ESTABLISHED FROM PREVIOUS PROJECTS:
5571-01-21, DJ 1145.
EXISTING HIGHWAY RIGHT-OF-WAY FOR AHARA ROAD ESTABLISHED FROM PREVIOUS PROJECTS:
VOL. 23 OF C.S.M., P. 118-120, VOL. 30 OF C.S.M., P. 253-255.

DIMENSIONING FOR THE NEW R/W IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

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

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

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

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

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

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

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, ROCK COUNTY ZONE, NAD83/2007 ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

TPP NUMBER 5670-00-22 - 4.01
SHEET 2 OF 2

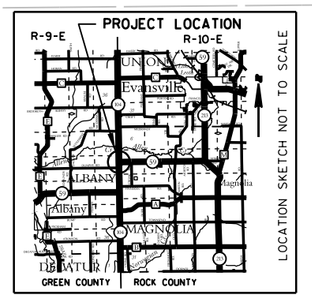
TRANSPORTATION PROJECT PLAT 5670-00-22 - 4.01 AMENDMENT NO. 2 AMENDS UTILITY NUMBER 82 AND ADDS UTILITY NUMBER 83 TO TRANSPORTATION PROJECT PLAT 5670-00-22 - 4.01 AMENDMENT NO. 1 RECORDED AS DOCUMENT NUMBER 1956583 AND FILED IN TPP 79.

THAT PART OF THE SW¼-NW¼, THE SE¼-NW¼, THE NW¼-SW¼ AND THE NE¼-SW¼ OF SECTION 7, TOWN OF MAGNOLIA, T 3 N, R 10 E, ROCK COUNTY, WISCONSIN. ALSO THAT PART OF THE NE¼-NE¼ AND THE SE¼-NE¼, OF SECTION 13, TOWN OF ALBANY, T 3 N, R 9 E, GREEN COUNTY, WISCONSIN.

RELOCATION ORDER STH 59 ALBANY TO EVANSVILLE ROAD (STH 104 & STH 213 INTERSECTIONS)

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

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



UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
81	EVANSVILLE WATER & LIGHT	RELEASE OF RIGHTS
82	AT&T WISCONSIN	RELEASE OF RIGHTS
83	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

R/W COURSE TABLE

100-101	N 89°42'07" E	19.00'
101-102	S 0°19'02" E	829.18'
102-103	N 90°00'00" W	5.14'
103-104	S 0°15'10" E	199.54'
104-105	S 12°20'31" E	51.18'
105-106	S 34°16'34" E	81.41'
106-131	S 89°58'25" E	449.25'
131-132	N 0°36'09" W	17.12'
132-107	N 89°44'22" E	709.74'
107-108	N 89°29'33" E	306.06'
108-109	S 0°30'27" E	23.53'
110-111	S 0°30'27" E	10.47'
111-112	S 89°19'55" W	538.78'
112-113	N 89°58'25" W	203.03'
113-133	S 89°44'27" W	224.71'
133-114	S 87°14'50" W	196.50'
114-115	S 89°52'31" W	284.34'
115-116	S 53°44'35" W	63.80'
116-117	S 0°52'23" E	290.86'
117-129	S 4°31'13" E	49.29'
129-130	S 14°34'02" W	41.45'
130-118	S 1°06'33" W	346.07'
118-128	S 0°11'25" E	324.47'
119-120	N 0°11'25" W	472.74'
120-121	N 0°48'57" W	592.71'
121-122	N 4°32'28" W	135.19'
122-123	N 0°18'44" W	199.96'
123-124	N 0°00'00" E	49.99'
124-125	N 4°58'53" E	150.64'
125-126	N 0°37'05" W	728.44'
126-127	N 89°42'07" E	15.00'

R/W POINT STATION & OFFSET TABLE

100	39+28.69	31.00'
101	39+28.69	50.00'
102	30+99.51	50.28'
103	30+99.54	45.14'
104	29+00.00	44.98'
105	28+49.94	55.66'
106	11+01.13 A	35.11'
107	22+60.01 A	50.00'
108	25+66.29 A	50.00'
109	25+66.29 A	26.47'
110	25+66.29 A	39.53'
111	25+66.29 A	50.00'
112	20+27.74 A	52.52'
113	18+24.71 A	51.50'
114	14+03.68 A	60.05'
115	11+19.35 A	59.38'
116	26+50.04	67.57'
117	23+59.18	68.68'
118	19+24.10	50.46'
119	16+00.00	50.24'
120	20+73.10	48.33'
121	26+65.50	50.00'
122	28+00.31	60.00'
123	30+00.28	60.05'
124	30+50.27	59.79'
125	32+00.27	45.93'
126	39+28.69	50.00'
127	39+28.69	35.00'
128	16+00.00	49.76'
129	23+10.00	72.00'
130	22+70.00	61.12'
131	15+50.38 A	32.87'
132	15+50.28 A	50.00'
133	16+00.00 A	51.50'

T.L.E. STATION & OFFSET TABLE

Point Number	Station	Offset
T1	23+30.00 A	50.00'
T2	23+30.00 A	75.00'
T3	23+85.00 A	75.00'
T4	23+85.00 A	50.00'
T5	23+80.00 A	50.52'
T6	23+80.00 A	75.00'
T7	23+30.00 A	75.00'
T8	23+30.00 A	50.66'
T9	16+58.00	49.80'
T10	16+58.00	75.00'
T11	16+08.00	75.00'
T12	16+08.00	49.77'
T13	16+64.00	50.19'
T14	16+64.00	75.00'
T15	17+14.00	75.00'
T16	17+14.00	50.16'
T17	32+50.00	46.21'
T18	32+50.00	75.00'
T19	33+25.00	75.00'
T20	33+25.00	46.63'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO D.O.T.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES OR S.F. REQUIRED NEW	EXISTING	TOTAL	T.L.E. & (P.L.E.) ACRES OR S.F.
1	LARSON ACRES, INC. (GREEN COUNTY)	FEE & TLE	0.257	1.056	1.313	0.028
1	LARSON ACRES, INC. (ROCK COUNTY)	FEE & TLE	1.733	4.771	6.504	0.089
2	JANE DUNPHY AEBLY, RICHARD C DUNPHY, DANIEL S DUNPHY & PETER A DUNPHY	FEE & TLE	0.438	0.821	1.259	0.049

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, ROCK COUNTY ZONE, NAD 83/2007 ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 59/104 ESTABLISHED FROM PREVIOUS PROJECTS: S0435(5)&(6), DJ 1639, SHAMROCK ESTATES, VOL. 5 OF C.S.M., P. 288 VOL. 21 OF C.S.M., P. 263, VOL. 17 OF C.S.M., P. 84.

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

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN ROCK COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1950484 AND FILED IN TPP - 74 & 75, ROCK COUNTY.

P.I. = 18+61.43
Y 288,348.716
X 400,406.461
Δ. = 179°34'39" LT.

P.I. = 26+65.24
Y 289,152.469
X 400,397.273
Δ. = 0°21'24" RT.

P.I. = 22+60.12 A
Y 289,240.329
X 401,656.953
Δ. = 179°45'08" LT.

MAGNOLIA

SCALE, FEET
0 100 200

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

KEIF S. CALLAWAY — PRINTED NAME — SIGNATURE — 1/2/2013 DATE

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

JAMES R. KUEHN — PRINTED NAME — SIGNATURE — 1/7/2013 DATE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5670-00-22 - 4.01 (ROCK)
AMENDMENT NO: 2

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN ROCK COUNTY, WISCONSIN AT 11:31 AM ON 9th of Jan., 2013 AS DOCUMENT # 1967830 AND FILED IN TPP - 81

RANDAL LEYES
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : R:\Projects\d1_56700004\04040142.DGN
APPRAISAL PLAT DATE : JANUARY 2, 2013
PLOT DATE : 24-JAN-2013 10:16
PLOT BY : dotJJ
PLOT NAME :
PLOT SCALE : 200.000000:1.000000
4.01A2

TRANSPORTATION PROJECT PLAT 5670-00-22 - 4.01 AMENDMENT NO. 2 AMENDS UTILITY NUMBER 82 AND ADDS UTILITY NUMBER 83 TO TRANSPORTATION PROJECT PLAT 5670-00-22 - 4.01 AMENDMENT NO. 1 RECORDED AS DOCUMENT NUMBER 546154 AND FILED IN HANGING FILE 2, PAGE 12, PLAT NUMBER 377.

THAT PART OF THE SW¼-NW¼, THE SE¼-NW¼, THE NW¼-SW¼ AND THE NE¼-SW¼ OF SECTION 7, TOWN OF MAGNOLIA, T 3 N, R 10 E, ROCK COUNTY, WISCONSIN. ALSO THAT PART OF THE NE¼-NE¼ AND THE SE¼-NE¼, OF SECTION 13, TOWN OF ALBANY, T 3 N, R 9 E, GREEN COUNTY, WISCONSIN.

RELOCATION ORDER STH 59 ALBANY TO EVANSVILLE ROAD (STH 104 & STH 213 INTERSECTIONS)

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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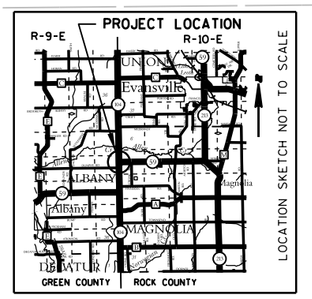

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
81	EVANSVILLE WATER & LIGHT	RELEASE OF RIGHTS
82	AT&T WISCONSIN	RELEASE OF RIGHTS
83	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

R/W COURSE TABLE

100-101	N 89°42'07" E	19.00'
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105-106	S 34°16'34" E	81.41'
106-131	S 89°58'25" E	449.25'
131-132	N 0°36'09" W	17.12'
132-107	N 89°44'22" E	709.74'
107-108	N 89°29'33" E	306.06'
108-109	S 0°30'27" E	23.53'
110-111	S 0°30'27" E	10.47'
111-112	S 89°19'55" W	538.78'
112-113	N 89°58'25" W	203.03'
113-133	S 89°44'27" W	224.71'
133-114	S 87°14'50" W	196.50'
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116-117	S 0°52'23" E	290.86'
117-129	S 4°31'13" E	49.29'
129-130	S 14°34'02" W	41.45'
130-118	S 1°06'33" W	346.07'
118-128	S 0°11'25" E	324.47'
119-120	N 0°11'25" W	472.74'
120-121	N 0°48'57" W	592.71'
121-122	N 4°32'28" W	135.19'
122-123	N 0°18'44" W	199.96'
123-124	N 0°00'00" E	49.99'
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R/W POINT STATION & OFFSET TABLE

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104	29+00.00	44.98'
105	28+49.94	55.66'
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107	22+60.01 A	50.00'
108	25+66.29 A	50.00'
109	25+66.29 A	26.47'
110	25+66.29 A	39.53'
111	25+66.29 A	50.00'
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114	14+03.68 A	60.05'
115	11+19.35 A	59.38'
116	26+50.04	67.57'
117	23+59.18	68.68'
118	19+24.10	50.46'
119	16+00.00	50.24'
120	20+73.10	48.33'
121	26+65.50	50.00'
122	28+00.31	60.00'
123	30+00.28	60.05'
124	30+50.27	59.79'
125	32+00.27	45.93'
126	39+28.69	50.00'
127	39+28.69	35.00'
128	16+00.00	49.76'
129	23+10.00	72.00'
130	22+70.00	61.12'
131	15+50.38 A	32.87'
132	15+50.28 A	50.00'
133	16+00.00 A	51.50'

T.L.E. STATION & OFFSET TABLE

Point Number	Station	Offset
T1	23+30.00 A	50.00'
T2	23+30.00 A	75.00'
T3	23+85.00 A	75.00'
T4	23+85.00 A	50.00'
T5	23+80.00 A	50.52'
T6	23+80.00 A	75.00'
T7	23+30.00 A	75.00'
T8	23+30.00 A	50.66'
T9	16+58.00	49.80'
T10	16+58.00	75.00'
T11	16+08.00	75.00'
T12	16+08.00	49.77'
T13	16+64.00	50.19'
T14	16+64.00	75.00'
T15	17+14.00	75.00'
T16	17+14.00	50.16'
T17	32+50.00	46.21'
T18	32+50.00	75.00'
T19	33+25.00	75.00'
T20	33+25.00	46.63'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO D.O.T.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES OR S.F. REQUIRED NEW	EXISTING	TOTAL	T.L.E. & (P.L.E.) ACRES OR S.F.
1	LARSON ACRES, INC. (GREEN COUNTY)	FEE & TLE	0.257	1.056	1.313	0.028
1	LARSON ACRES, INC. (ROCK COUNTY)	FEE & TLE	1.733	4.771	6.504	0.089
2	JANE DUNPHY AEBLY, RICHARD C DUNPHY, DANIEL S DUNPHY & PETER A DUNPHY	FEE & TLE	0.438	0.821	1.259	0.049

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, ROCK COUNTY ZONE, NAD 83/2007 ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 59/104 ESTABLISHED FROM PREVIOUS PROJECTS: S0435(5)&(6), DJ 1639, SHAMROCK ESTATES, VOL. 5 OF C.S.M., P. 288 VOL. 21 OF C.S.M., P. 263. VOL. 17 OF C.S.M., P. 84.

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

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN GREEN COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 544313 AND FILED IN HANGING FILE 2 PG. 11 PLAT# 376, GREEN COUNTY.

P.I. = 18+61.43
Y 288,348.716
X 400,406.461
Δ. = 179°34'39" LT.

P.I. = 26+65.24
Y 289,152.469
X 400,397.273
Δ. = 0°21'24" RT.

P.I. = 22+60.12 A
Y 289,240.329
X 401,656.953
Δ. = 179°45'08" LT.

MAGNOLIA

SCALE, FEET
0 100 200

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

KEIF S. CALLAWAY — PRINTED NAME — SIGNATURE — 1/2/2013 DATE

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

JAMES R. KUEHN — PRINTED NAME — SIGNATURE — 1/7/2013 DATE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5670-00-22 - 4.01 (GREEN)
AMENDMENT NO: 2

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN GREEN COUNTY, WISCONSIN AT 10:15 AM ON January 9th 2013 AS DOCUMENT # 549326 AND FILED IN HANGING FILE 2 PG 12 PLAT# 378

CYNTHIA A. MEUDT
SIGNATURE OF REGISTER OF DEEDS

4.01A2
69
PLOT SCALE : 200.000000:1.000000
PLOT NAME :
PLOT BY : dotJJ
PLOT DATE : 24-JAN-2013 10:16
FILE NAME : R:\Projects\d1_56700004\04041A2_GREEN.DGN
APPRAISAL PLAT DATE : JANUARY 2, 2013

TRANSPORTATION PROJECT PLAT 5670-00-22 4.02 AMENDMENT NO. 1
AMENDS PARCEL 3 OF TRANSPORTATION PROJECT PLAT 5670-00-22 4.02 RECORDED AS DOCUMENT NUMBER 1950812 AND FILED IN TPP - 76.

THAT PART OF THE SW¼-NE¼, AND THE NW¼-SE¼ OF SECTION 10, TOWN OF MAGNOLIA, T 3 N, R 10 E, ROCK COUNTY, WISCONSIN.

RELOCATION ORDER STH 59 ALBANY TO EVANSVILLE ROAD (STH 104 & STH 213 INTERSECTIONS)

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

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO D.O.T.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES OR S.F. REQUIRED NEW	EXISTING	TOTAL	T.L.E. & (P.L.E.) ACRES OR S.F.
3	MARY E CHRISTIANSON	PLE, TLE, ACCESS RIGHTS	---	---	---	0.191 (0.353)
4	RICHARD L & ALLEN D MCCOY	PLE, ACCESS RIGHTS	---	---	---	(0.785)

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
82	AT&T WISCONSIN	RELEASE OF RIGHTS

WISCONSIN BELL, INC.
CARD. 600, P. 461-462,
DOC. 1185881

COMPUTED FROM TIE SHEET & SECTION SUMMARY SHEET
Y 291,863.053
X 419,082.447

TOWN

N 0°09'26" W

S 0°02'51" W 1,936.31'
SEC. COR. TO TRAVERSE POINT

STH 59/213

VARIES

42'

R/W LINE = SEC. LINE

N 89°50'19" E 30.89'
R/W TO R/L

N 89°50'19" E 33.02'
R/L TO R/W

SW-NE

SE-NW

P.I. = 27+11.38
Y 289,209.213
X 419,113.697
Δ. = 46°38'46" RT.
D. = 4°00'00"
T. = 617.57'
L. = 1,166.15'
R. = 1,432.39'

P.I. = 20+00.00 B
Y 289,211.392
X 419,080.224
Δ. = 0°11'30" RT.

P.I. = 33+28.49 B
Y 289,202.692
X 420,408.686
Δ. = 0°02'46" RT.

T.L.E. STATION & OFFSET TABLE

Point Number	Station	Offset
T1	29+41.21 B	33.00'
T2	29+89.12 B	170.91'
T3	28+98.12 B	171.50'
T4	28+97.84 B	129.51'
T5	29+41.84 B	129.22'

PT 32+59.97

4 PLE - VISION TRIANGLE
0.785 AC.

210 - 211
L. = 602.55'
L.C. = 597.91'
L.C.B. = S 12°29'32" E
R. = 1399.39'

S 89°37'29" E 954.74'
TAN. TO TRAVERSE POINT

SIXTEENTH COR. COMPUTED FROM SECTION SUMMARY SHEET & LOT 1 OF C.S.M., VOL. 30, P. 253-255, DOC. 1768950
Y 289,202.692
X 420,408.686

LOT 1
VOL. 5 OF C.S.M.
P. 288
DOC. 845754

S 89°37'29" E 33.44'
SEC. COR. TO TAN.

STA. 20+00.03 B

615.61'

COMPUTED FROM REF. MON
Y 289,211.392
X 419,080.251

N 89°37'29" W 340.28'
SIXTEENTH COR. TO TRAVERSE POINT

LOT 1
VOL. 23 OF C.S.M.
P. 118-120
DOC. 1452058

26+22.19
21+73.13 B

PI 20+00.00 B

PI 33+28.49 B

N 0°02'51" E 33.00'
SEC. COR. TO R/W

R/L = SECTION LINE

STH 59

PI 27+11.38

S 89°37'29" E

AHARA ROAD

26+00 B

N 0°31'03" W 33.00'
R/W TO SEC. COR.

SEC. LINE

PK NAIL
Y 289,219.890
X 416,426.890

1.96'

CAST IRON MON.
Y 289,192.928
X 421,736.468

82 R/W POINTS

OF

T.L.E. - DRIVEWAY
0.191 AC.

3

S 0°22'12" W 33.00'
R/W TO SEC. LINE

S 0°22'12" W 33.00'
SEC. LINE TO R/W

PC 20+93.81

3 PLE - VISION TRIANGLE
0.353 AC.

LOT 1
VOL. 30 OF C.S.M.
P. 253-255
DOC. 1768950

203 - 204
L. = 399.45'
L.C. = 398.22'
L.C.B. = N 36°58'07" W
R. = 1467.39'

216 - 217
L. = 49.13'
L.C. = 49.13'
L.C.B. = S 45°47'06" E
R. = 1382.39'

R/W POINT STATION & OFFSET TABLE

200	18+12.03	49.95'
201	20+93.80	50.00'
202	21+44.73	50.00'
203	21+44.73	35.00'
204	25+34.65	35.00'
205	20+77.15 B	33.00'
206	20+00.54 B	33.00'
207	19+99.95 B	33.00'
208	33+60.02	30.89'
209	33+60.02	33.02'
210	32+59.97	33.00'
211	26+43.21	33.00'
212	23+36.78 B	33.00'
213	23+65.47 B	33.00'
214	25+59.79	47.00'
215	21+44.73	47.00'
216	21+44.73	50.00'
217	20+93.82	50.00'
218	18+12.03	50.05'
219	27+30.88	75.42'
220	24+79.79	90.92'
221	29+88.21 B	33.00'
222	29+88.21 B	33.00'
223	24+47.12	83.11'
224	23+60.45	63.91'
225	23+21.46	60.03'
226	22+56.28	61.02'
227	21+77.97	62.85'
228	19+81.08	68.81'

R/W COURSE TABLE

200-201	N 46°48'47" W	281.77'
201-202	See Curve Note	
202-203	N 45°14'00" E	15.00'
203-204	See Curve Note	
204-205	N 59°30'28" W	122.95'
205-206	N 89°37'29" W	76.60'
207-208	N 0°02'51" E	682.35'
209-210	S 0°08'50" E	100.05'
210-211	See Curve Note	
211-212	S 89°37'29" E	142.88'
212-221	S 89°37'29" E	651.43'
222-213	N 89°37'29" W	622.75'
213-214	N 89°37'29" W	122.43'
214-215	See Curve Note	
215-216	N 45°14'00" E	3.00'
216-217	See Curve Note	
217-218	S 46°48'47" E	281.79'
219-212	S 12°56'47" E	604.97'
219-212	S 55°12'21" E	166.74'
213-220	S 46°55'31" W	63.69'
220-223	S 17°44'25" E	31.66'
223-224	S 21°15'41" E	84.42'
224-225	S 30°59'24" E	37.50'
225-226	S 39°54'43" E	62.42'
226-227	S 43°15'49" E	74.94'
227-228	S 47°52'20" E	193.19'
228-218	S 40°28'11" E	170.09'

201 - 202
L. = 52.71'
L.C. = 52.70'
L.C.B. = N 45°47'07" W
R. = 1482.39'

214 - 215
L. = 401.44'
L.C. = 400.03'
L.C.B. = S 36°27'56" E
R. = 1385.39'

NE-SW

NW-SE

S 43°11'53" W
R/W TO R/L 50.05'

S 43°11'53" W
R/L TO R/W 49.95'

STH 213

MAGNOLIA

N 0°31'03" W 2,623.50'
SEC. COR. TO R/W

STA. 20+00.03 B

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, ROCK COUNTY ZONE, NAD 83/2007 ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 59 ESTABLISHED FROM LOT 1 OF C.S.M., VOL. 5, P. 288, LOT 1 OF C.S.M., VOL. 17, P. 84 & LOT 1 OF C.S.M., VOL. 21, P. 263.
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 213 ESTABLISHED FROM PREVIOUS PROJECTS: 5571-01-21, DJ 1145.
EXISTING HIGHWAY RIGHT-OF-WAY FOR AHARA ROAD ESTABLISHED FROM VOL. 23 OF C.S.M., P. 118-120, & VOL. 30 OF C.S.M., P. 253-255.

EXISTING ACCESS CONTROL ALONG AHARA ROAD ESTABLISHED FROM VOL. 23 OF C.S.M., P. 118-120, DOC. 1452058.

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

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN ROCK COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1950484 AND FILED IN TPP - 74 & 75, ROCK COUNTY.

CAST ALUM. MON.
Y 286,554.998
X 419,104.241

SCALE, FEET
0 100 200

PROJECT LOCATION
R-9-E R-10-E
UNION
EVANSVILLE
ALBANY
MAGNOLIA
BRITT
GREEN COUNTY ROCK COUNTY
LOCATION SKETCH NOT TO SCALE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5670-00-22 - 4.02
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN ROCK COUNTY, WISCONSIN AT 8:10 AM ON 3rd OCTOBER, 2012 AS DOCUMENT # 1959677 AND FILED IN TPP - 80

RANDAL LEYES
SIGNATURE OF REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

KEIF S. CALLAWAY — 9/26/2012
PRINTED NAME SIGNATURE DATE

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

JAMES R. KUEHN — 9/27/2012
PRINTED NAME SIGNATURE DATE

4.02A1
70
PLOT SCALE : 200.000000:1.000000
PLOT NAME :
PLOT BY : dotJJ
PLOT DATE : 24-JAN-2013 10:16
FILE NAME : R:\Projects\d1_56700004\040402A1.DGN
APPRAISAL PLAT DATE : SEPTEMBER 26, 2012

DATE: JUNE 7, 2012

REVISION DATE AUG. 23, 2012
SEPT. 26, 2012

TRANSPORTATION PROJECT PLAT 5670-00-22 - 4.03
RELOCATION ORDER STH 59, ALBANY - EVANSVILLE ROAD
(STH 104 & STH 213 INTERSECTIONS)

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

4

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X
100	290416.065	400421.699
101	290416.164	400440.700
102	289587.000	400445.290
103	289587.000	400440.150
104	289387.460	400441.030
105	289337.460	400451.970
106	289270.186	400497.820
107	289290.328	401656.619
108	289293.039	401962.670
109	289269.513	401962.879
110	289203.513	401963.463
111	289193.043	401963.556
112	289186.760	401424.809
113	289186.853	401221.781
114	289176.400	400800.797
115	289175.780	400516.460
116	289138.047	400465.012
117	288847.218	400469.444
118	288411.951	400456.204
119	288087.081	400357.282
120	288559.819	400355.713
121	289152.469	400347.273
122	289287.230	400336.570
123	289487.190	400335.480
124	289537.180	400335.480
125	289687.250	400348.560
126	290415.643	400340.701
127	290415.722	400355.700
128	288087.487	400457.282
129	288798.076	400473.329
130	288757.954	400462.903
131	289269.979	400947.070
132	289287.100	400946.890
133	289185.837	400997.073

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X
200	288557.188	419735.142
201	288750.026	419529.696
202	288786.778	419491.922
203	288797.341	419502.572
204	289115.503	419263.093
205	289177.888	419157.151
206	289178.390	419080.549
207	289244.392	419080.278
208	289926.747	419080.843
209	289926.927	419144.749
210	289826.875	419145.006
211	289243.122	419274.338
212	289242.186	419417.210
213	289176.000	419445.466
214	289176.802	419323.034
215	288855.088	419560.790
216	288857.200	419562.920
217	288822.938	419598.134
218	288630.087	419803.594
219	289337.330	419280.286
220	289132.500	419398.940
221	289237.920	420068.626
222	289171.921	420068.200
223	289102.342	419408.588
224	289023.670	419439.200
225	288991.520	419458.510
226	288943.640	419498.561
227	288889.070	419549.920
228	288759.480	419693.200

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X

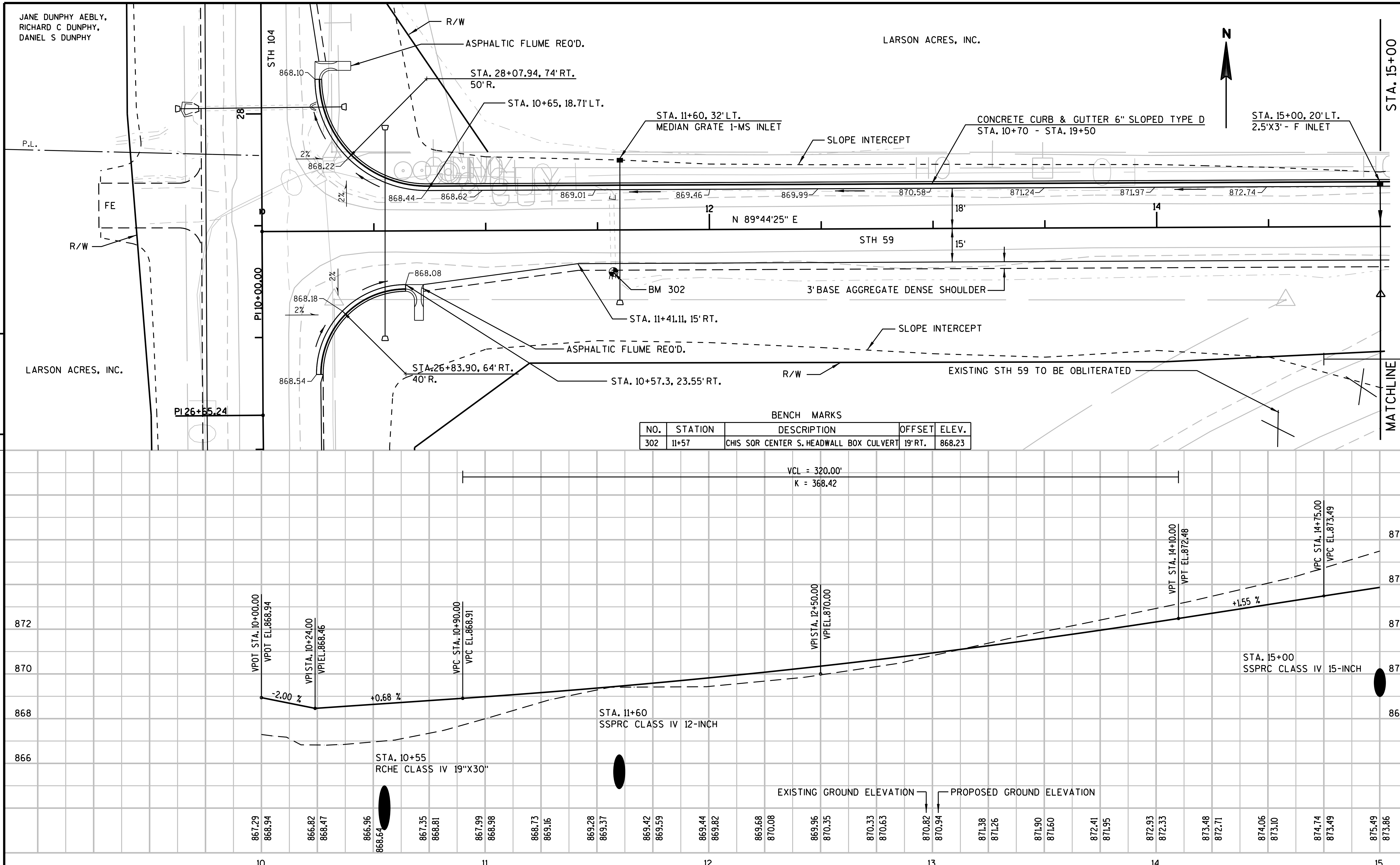
R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE		
POINT	Y	X

4

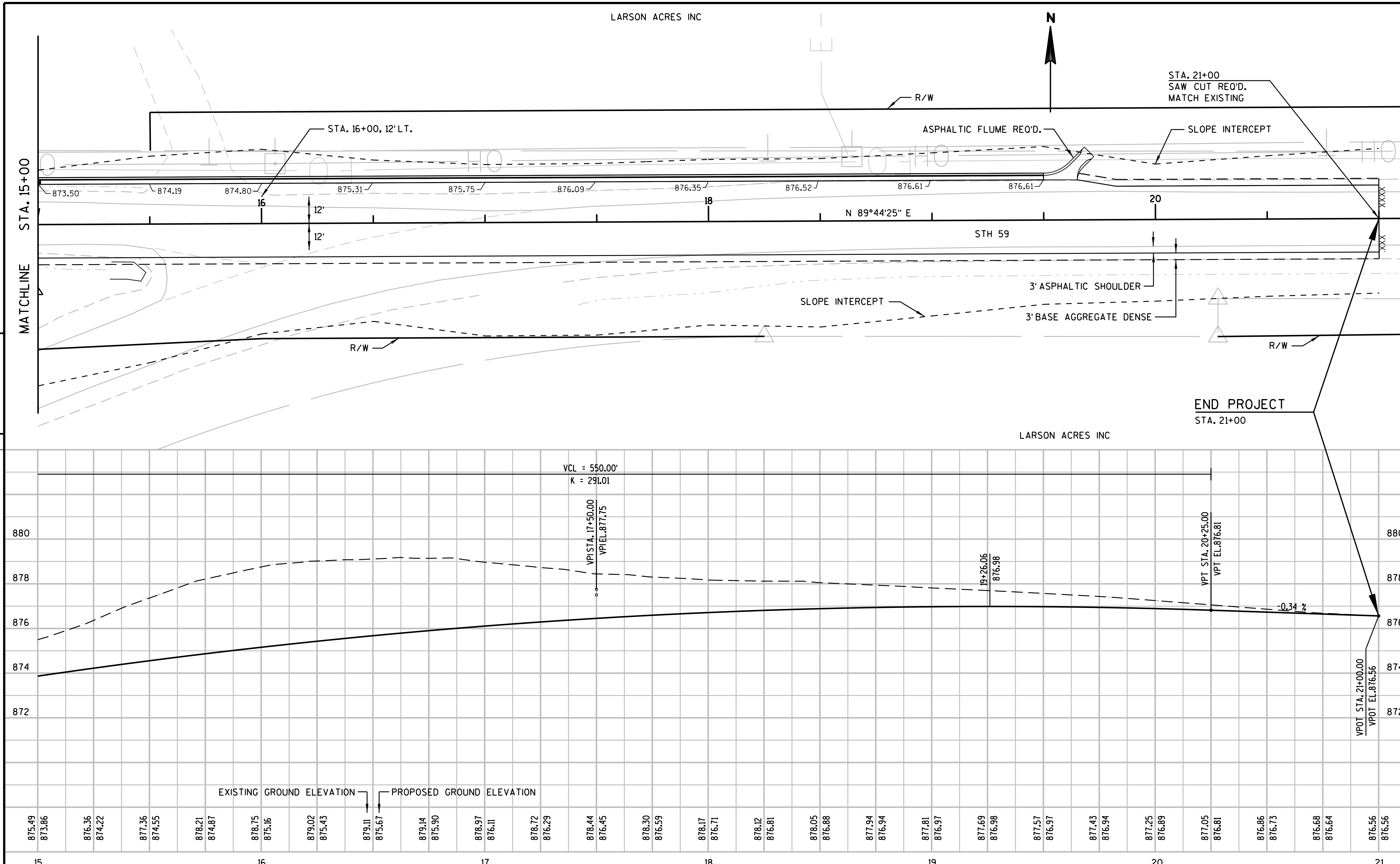


BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
302	11+57	CHIS SQR CENTER S. HEADWALL BOX CULVERT	19' RT.	868.23

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PLAN & PROFILE - STH 59	SHEET	E

FILE NAME : R:\Projects\d1_56700004\050101_pp.dgn PLOT DATE : 29-JAN-2013 08:02 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000 WISDOT/CADDS SHEET 30



PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PLAN & PROFILE - STH 59	SHEET	E

FILE NAME : R:\Projects\d1_56700004\050102_pp.dgn PLOT DATE : 24-JAN-2013 10:16 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

WISDOT/CADDS SHEET 30

LARSON ACRES INC.

STA. 16+55
REMOVE EXISTING PIPE

N

TLE

SLOPE INTERCEPT

STA. 14+89
SAW CUT REQ'D.
MATCH EXISTING

16

12'

12'

N 0° 13 '57" W

STH 59/104

PI 14+89.00

STA. 15+49, 15' RT.

BM 301

SLOPE INTERCEPT

TLE

MATCHLINE STA. 18+00

5

BEGIN PROJECT
STA. 14+89

BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
301	16+28	CHIS X 2ND RIB CMCP UNDER 104	34' RT.	864.94

LARSON ACRES INC.

VCL 300.00
K = 287.71

872
870
868

-0.54 %

PROPOSED PROFILE

17+56.15
869.38

EXISTING GROUND

VPOT STA 14+89.00
VPOT EL870.41

VPC STA 16+00.00
VPC EL869.80

STA. 16+55
CPRC CLASS IV 42-INCH

VPI STA 17+50.00
VPI EL868.99

EXISTING GROUND ELEVATION

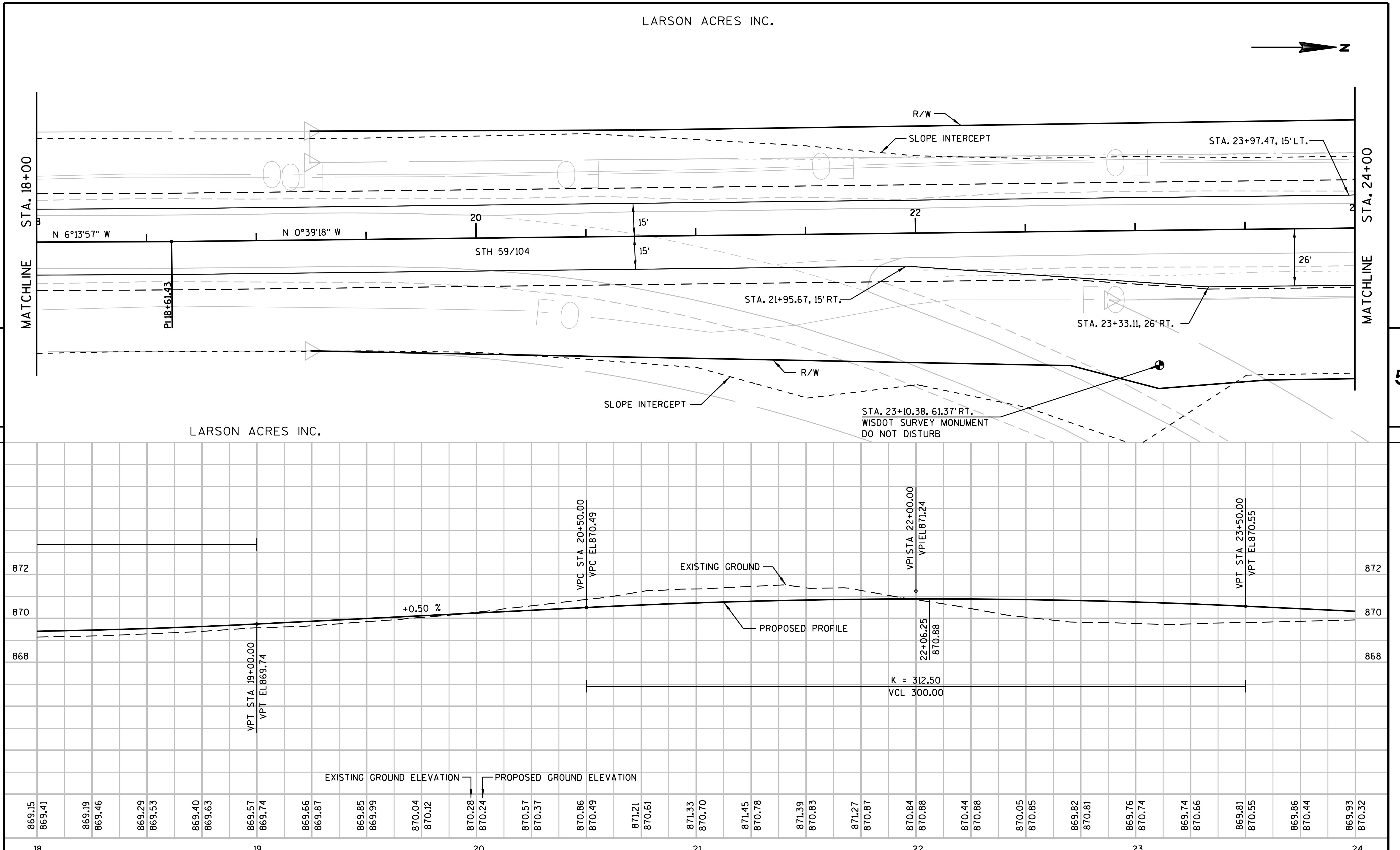
PROPOSED GROUND ELEVATION

15		16		17		18	
870.33	870.35	870.15	870.21	869.99	870.08	869.84	869.94
869.69	869.80	869.53	869.68	869.41	869.58	869.31	869.49
869.24	869.44	869.20	869.40	869.20	869.38	869.18	869.39
869.15	869.41						

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PLAN & PROFILE - STH 104	SHEET	E

FILE NAME : R:\Projects\d1_56700004\050104_pp.dgn PLOT DATE : 24-JAN-2013 10:16 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

WISDOT/CADDS SHEET 30



PROJECT NO:5670-00-74	HWY:STH 59	COUNTY:ROCK	PLAN & PROFILE - STH 104	SHEET	E

FILE NAME : R:\Projects\d1_56700004\050105_pp.dgn   PLOT DATE : 24-JAN-2013 10:16   PLOT BY : dotj3j   PLOT NAME :   PLOT SCALE : 40.000000:1.000000   WISDOT/CADDS SHEET 30

LARSON ACRES INC.

STA. 27+59 LT.
RECONSTRUCT FE

JANE DUNPHY AEBLY, RICHARD C DUNPHY, DANIEL S DUNPHY & PETER A DUNPHY

STA. 27+47.50 STH 104 =
STA. 10+00 STH 59

N

FE

R/W

SLOPE INTERCEPT

STA. 26+47.54, 25' LT.

PI 26+55.24

STA. 28+97.39, 25' LT.

STA. 24+00

STA. 30+00

25'

25'

26

28

N 0°39'18" W

PI 10+00.00

N 0°17'53" W

STH 104

STH 59/104

15'

26'

MATCHLINE

MATCHLINE

STA. 28+95.34, 15' RT.

STA. 26+84.67, 24' RT.

STA. 28+15.34, 24' RT.

CONCRETE CURB & GUTTER 4-INCH
SLOPED 36-INCH TYPE D

ASPHALTIC FLUME REQ'D.

R/W

CONCRETE CURB & GUTTER 4-INCH
SLOPED 36-INCH TYPE D

SLOPE INTERCEPT

STA. 26+83.90, 64' RT.
40' R.

STA. 28+07.94, 74' RT.
50' R.

SLOPE INTERCEPT

R/W

ASPHALTIC FLUME REQ'D.

LARSON ACRES INC.

LARSON ACRES INC.

5

5

VCL 350.00
K = 178.57

872

870

868

866

-0.46 %

-0.46 %

PROPOSED PROFILE

27+57.14
868.87

EXISTING GROUND

VPC STA 26+75.00
VPC EL869.06

VPI STA 28+50.00
VPI EL868.25

STA. 28+03
1-24"X88' RCCP REQ'D.
1-APRON ENDWALL LT. & RT.

EXISTING GROUND ELEVATION

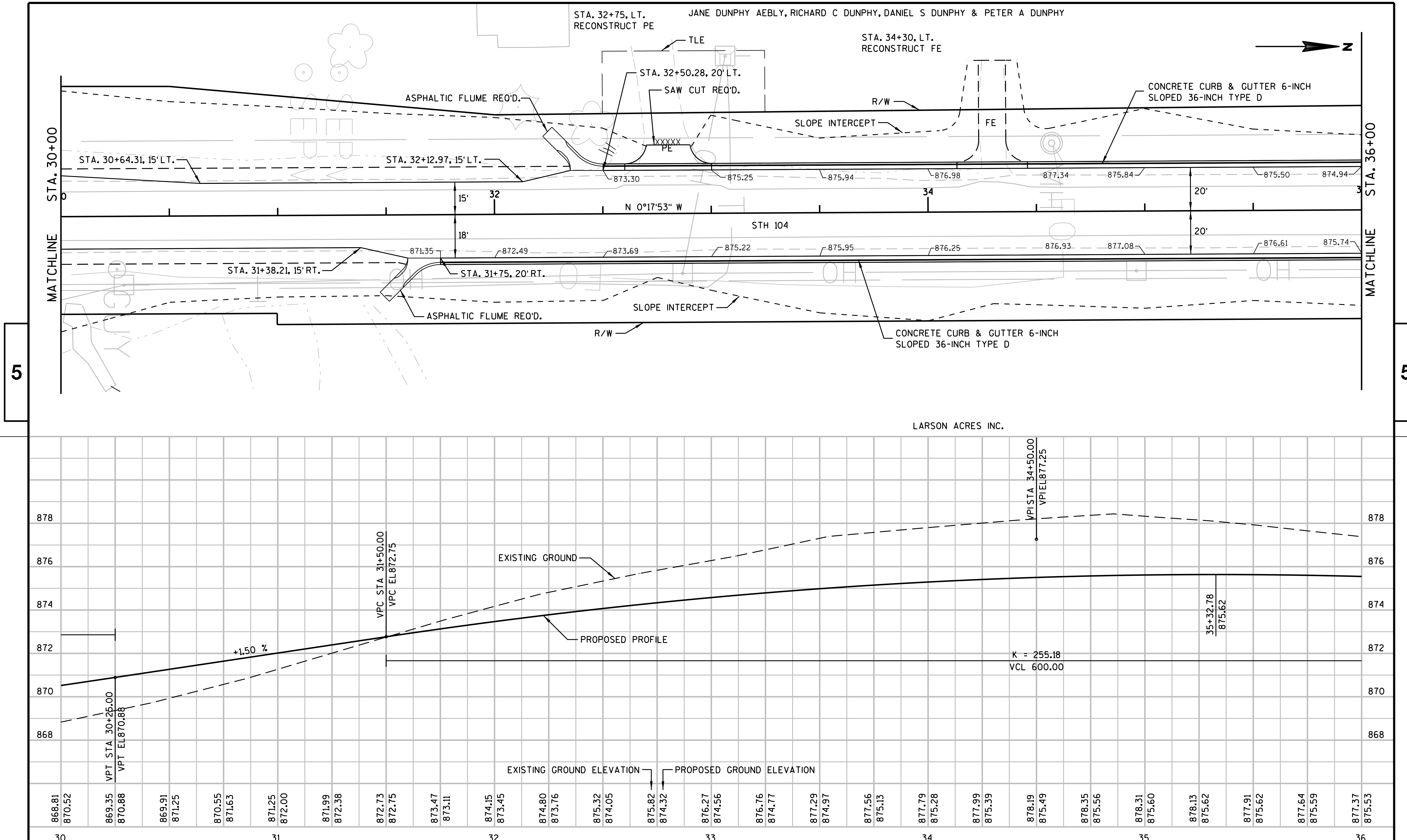
PROPOSED GROUND ELEVATION

24		25		26		27		28		29		30
869.93	870.32	869.91	870.21	869.85	870.09	869.78	869.98	869.70	869.86	869.62	869.75	869.53	869.63	869.45	869.52	869.33	869.40	869.05	869.29	868.67	869.17	868.25	869.06	867.82	868.96	867.49	868.90	867.26	868.87	867.09	868.88	867.01	868.92	866.95	869.00	866.92	869.11	867.05	869.26	867.25	869.44	867.58	869.66	868.01	869.91	868.41	870.20	868.81	870.52

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PLAN & PROFILE - STH 104	SHEET	E

FILE NAME : R:\Projects\d1_56700004\050106_pp.dgn PLOT DATE : 24-JAN-2013 10:16 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

WISDOT/CADDS SHEET 30



PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PLAN & PROFILE - STH 104	SHEET 77	E

FILE NAME : R:\Projects\d1_56700004\050107_pp.dgn   PLOT DATE : 24-JAN-2013 10:16   PLOT BY : dotj3j   PLOT NAME :   PLOT SCALE : 40.000000:1.000000   WISDOT/CADDS SHEET 30

JANE DUNPHY AEBLY, RICHARD C DUNPHY, DANIEL S DUNPHY & PETER A DUNPHY

N

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

ASPHALTIC FLUME REQ'D.

R/W

SLOPE INTERCEPT

STA. 36+78.14, 20' LT.

STA. 37+14.90, 15' LT.

STA. 36+00

874.94 — 874.20 — 873.84

20'

N 0°17'53" W

STA. 39+28.69
SAWCUT REQ'D.
MATCH EXISTING

STH 104

20'

MATCHLINE

875.74 — 875.20 — 874.64

STA. 37+59.58, 15' RT.

SLOPE INTERCEPT

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

R/W

ASPHALTIC FLUME REQ'D.

PI 39+28.69

END PROJECT
STA. 39+28

LARSON ACRES INC.

EXISTING GROUND

PROPOSED PROFILE

VPT STA 37+50.00
VPT EL874.70

VPI STA 38+50.00
VPI EL873.85

VPI STA 38+84.00
VPI EL873.50

VPOT STA 39+28.00
VPOT EL873.50

-0.85 %

-1.01 %

+0.00 %

878
876
874
872

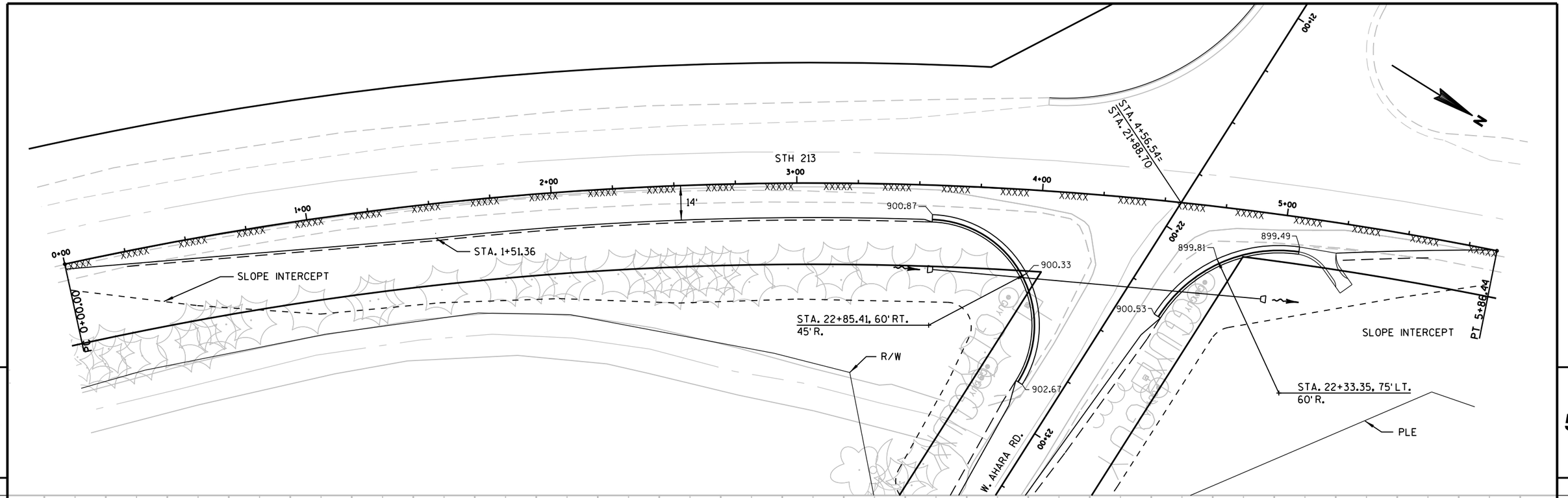
EXISTING GROUND ELEVATION — PROPOSED GROUND ELEVATION

877.37	875.53	877.08	875.45	876.77	875.35	876.41	875.22	876.03	875.07	875.60	874.90	875.16	874.70	874.78	874.48	874.42	874.27	874.13	874.06	873.85	873.85	873.60	873.59	873.50	873.50
36								37						38										39	

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PLAN & PROFILE - STH 104	SHEET	E

FILE NAME : R:\Projects\d1_56700004\050108_pp.dgn PLOT DATE : 24-JAN-2013 10:16 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

WISDOT/CADDS SHEET 30



PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PLAN & PROFILE - STH 213 RIGHT TURN LANE	SHEET	E

FILE NAME : R:\Projects\d1_56700004\050109B_pp.dgn PLOT DATE : 24-JAN-2013 10:16 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

WISDOT/CADDS SHEET 30

N

STA. 22+33.35, 75'LT.
60'R.

PLE

SLOPE INTERCEPT

R/W

STA. 4+56.54=
STA. 21+88.70

00.5

20+00

21+00

22+00

23+00

24+00

25+00

26+00

PI 27+11.38

STH 213

W. AHARA RD.

BM 304

00.4

R/W

SLOPE INTERCEPT

STA.22+85.41, 60'RT.
45'R.

PLE

R/W

END CONSTRUCTION
STA. 23+50
SAWCUT REQ'D.

STA. 23+20, RT.
REMOVE PE

5

5

BENCH MARKS

NO.	STATION	DESCRIPTION	OFFSET	ELEV.
304	25+75	CHIS X CMCP NE QUAD STH 213/W. AHARA RD	33'RT.	898.79

908
906
904
902
900
898

VPI STA 21+50.00
VPI EL 899.52

VPI STA 22+50.00
VPI EL 901.35

VPI STA 23+00.00
VPI EL 902.97

VPI STA 23+50.00
VPI EL 904.69

+2.41 %
+1.00 %
+2.66 %
+3.24 %
+3.44 %

VPOT STA 21+09.75
VPOT EL 898.55

VPI STA 22+00.00
VPI EL 900.02

STA. 22+30.50
CPRC CLASS HEIV 24 X 38-INCH

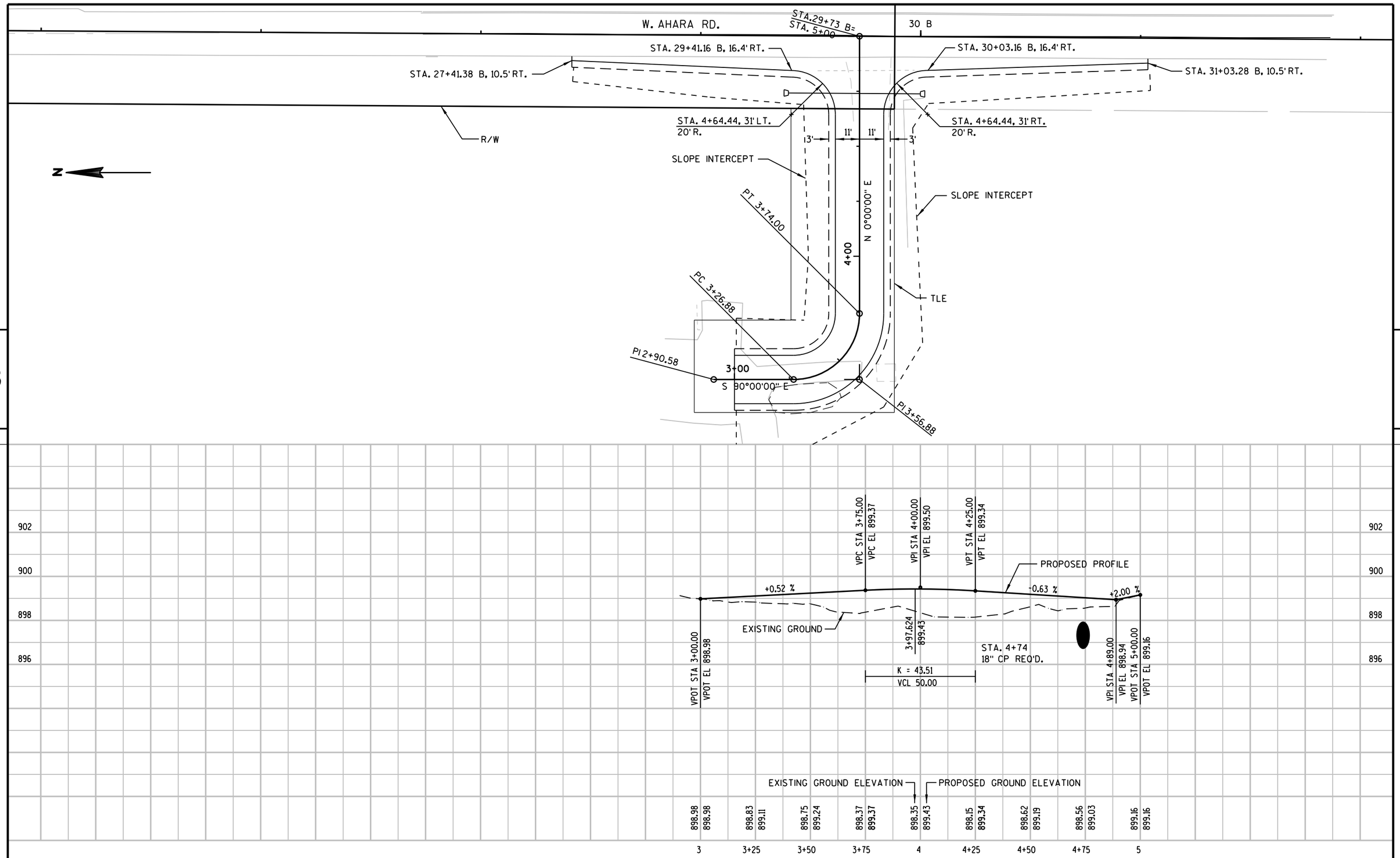
EXISTING GROUND ELEVATION

PROPOSED GROUND ELEVATION

899.15	898.92	900.12	899.52	901.06	899.77	900.02	900.02	900.62	900.69	901.36	901.35	902.15	902.16	902.97	902.97	903.79	903.83	904.71	904.69	905.52	906.29	907.02	907.58	908.05	908.31	908.50	908.53

22 23 24 25

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PLAN & PROFILE - W. AHARA RD.	SHEET	E



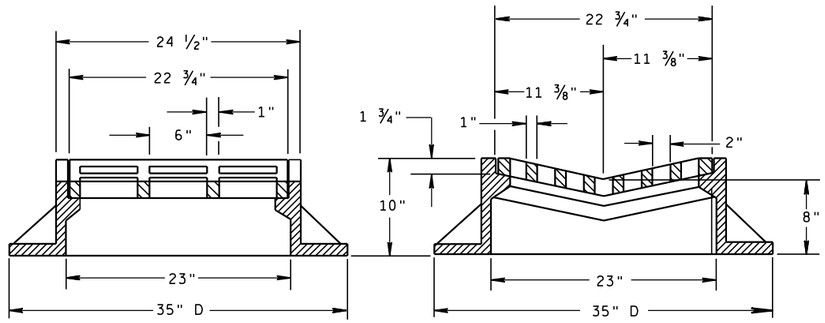
PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK	PLAN & PROFILE - TRAILER PARK PE	SHEET	E

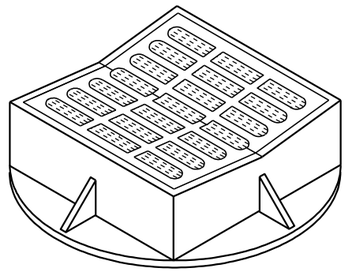
FILE NAME : R:\Projects\d1_56700004\050111_pp.dgn PLOT DATE : 29-JAN-2013 08:02 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 40.000000:1.000000

WISDOT/CADDS SHEET 30

Standard Detail Drawing List

08A05-18B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-18C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C05-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C08-15E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15D06-02	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D28-01	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-02	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

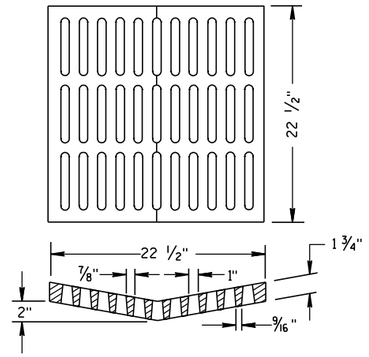




TYPE "B"

(APPROXIMATE WEIGHT 405 LBS.)

FRAME..... 294 LBS.
GRATE..... 111 LBS.

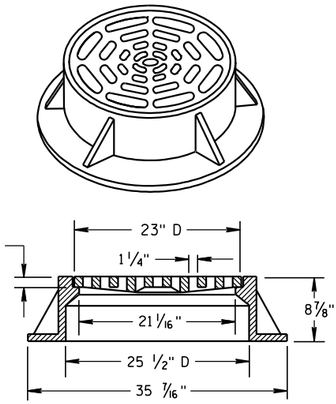


ALTERNATIVE GRATE FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 134 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

(APPROXIMATE WEIGHT 259 LBS.)

FRAME..... 152 LBS.
GRATE..... 107 LBS.

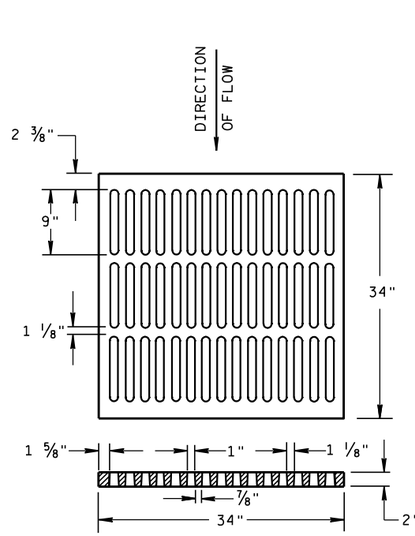
GENERAL NOTES

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

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

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

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

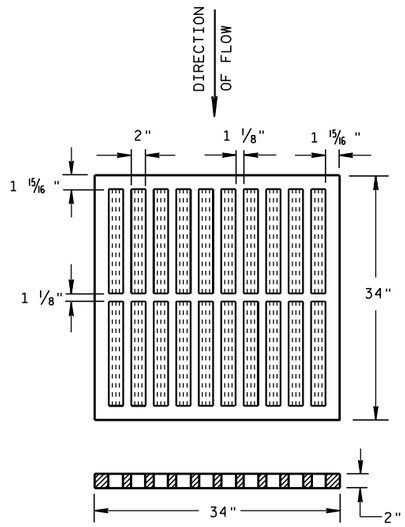


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 329 LBS.)

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

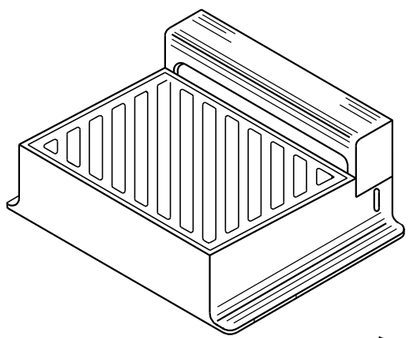


TYPE "MS"

(APPROXIMATE GRATE WEIGHT 268 LBS.)

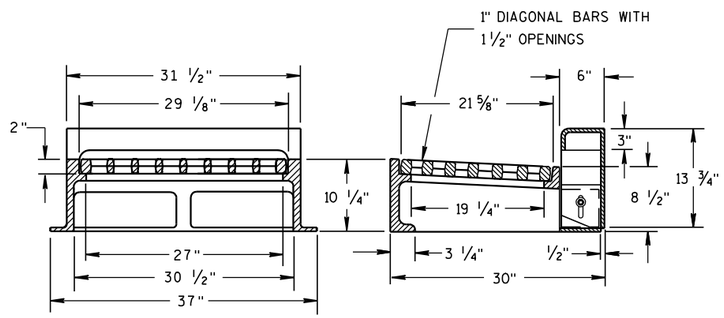
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION OF FLOW

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



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

(APPROXIMATE WEIGHT 648 LBS.)

FRAME..... 355 LBS.
GRATE..... 156 LBS.
CURB BOX..... 137 LBS.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012 — DATE

/S/ Jerry H. [illegible] — ROADWAY STANDARDS ENGINEER

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S.D.D. 8 A 5-18b

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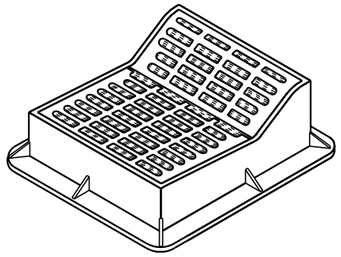
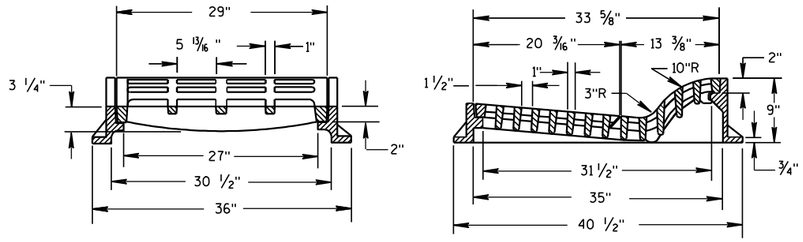
S.D.D. 8 A 5-18b



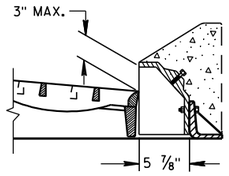


TYPE "F"

(APPROXIMATE WEIGHT 644 LBS.)

FRAME.....302 LBS.
GRATE.....160 LBS.
GRATE.....182 LBS.

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

(APPROXIMATE WEIGHT CURB BOX 68 LBS.)

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

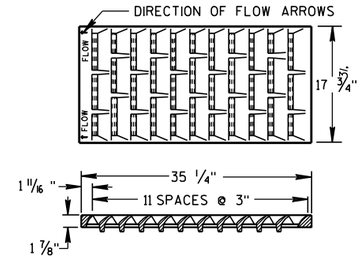
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

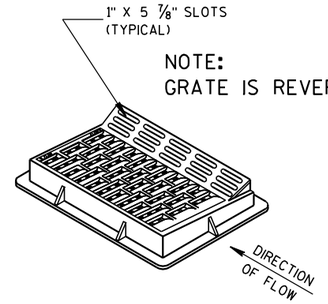
GENERAL NOTES

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

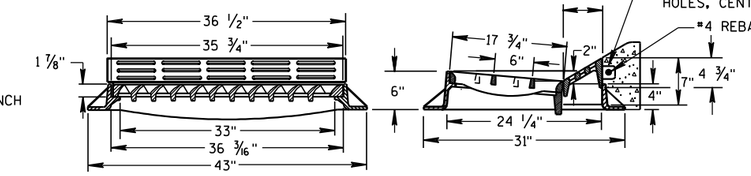
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





NOTE:
GRATE IS REVERSIBLE.

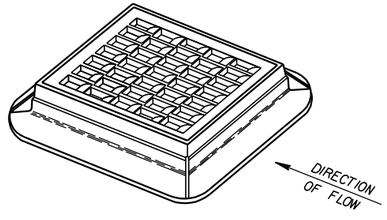


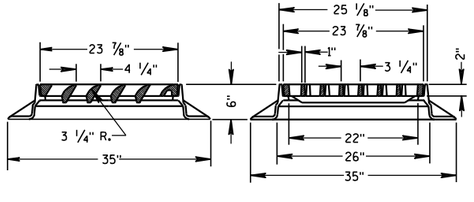
TYPE "HM"

(APPROXIMATE WEIGHT 414 LBS.)
FRAME..... 181 LBS.
GRATE..... 159 LBS.
CURB BOX..... 74 LBS.

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

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

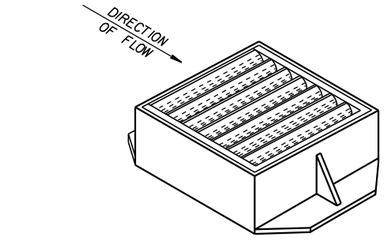


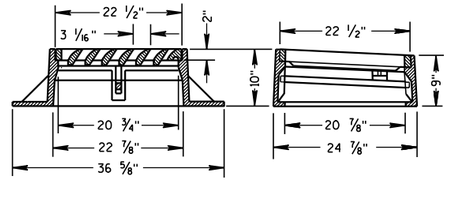


TYPE "S"

(APPROXIMATE WEIGHT 333 LBS.)

FRAME.....164 LBS.
GRATE..... 169 LBS.

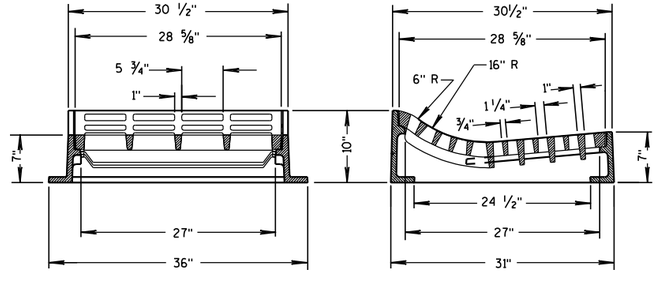




TYPE "V"

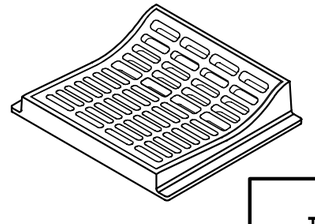
(APPROXIMATE WEIGHT 410 LBS.)

FRAME..... 269 LBS.
GRATE..... 136 LBS.
SAFETY BAR..... 5 LBS.



TYPE "T"

(APPROXIMATE WEIGHT 530 LBS.)
FRAME.....270 LBS.
GRATE.....260 LBS.
USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



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

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6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
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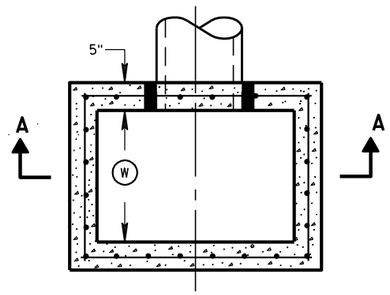
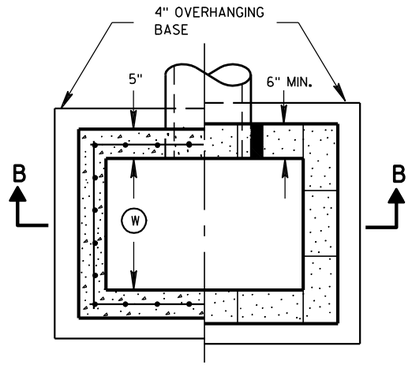
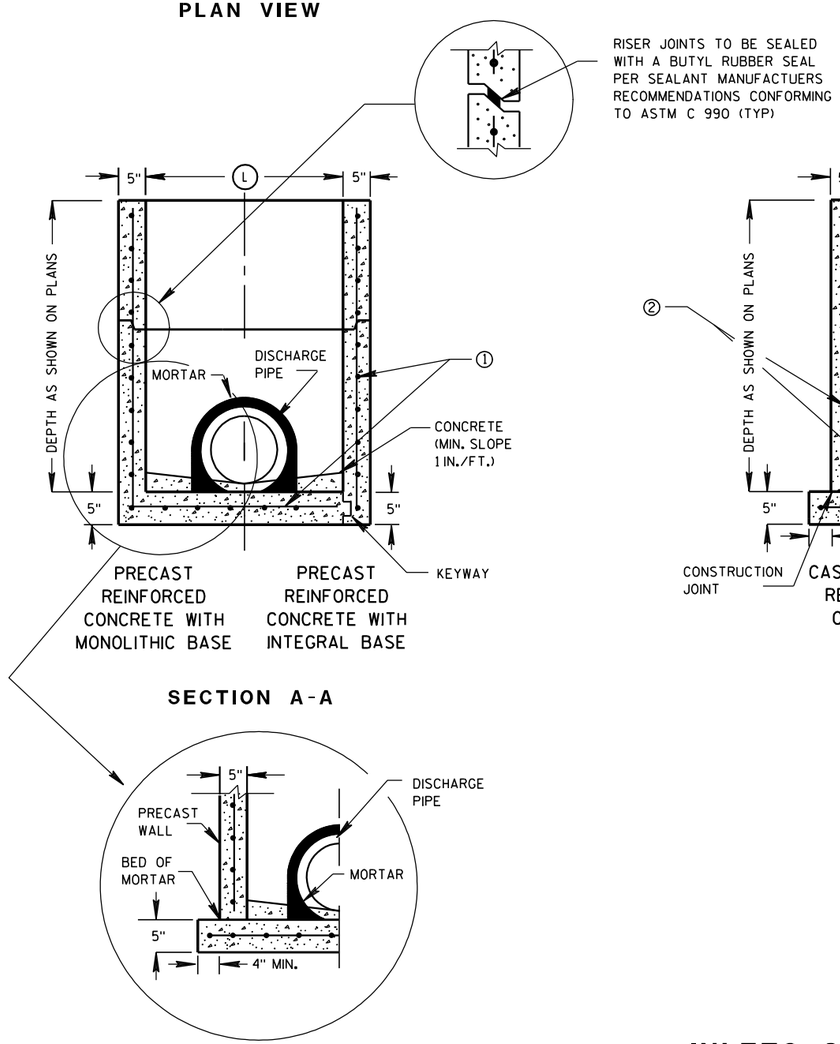
S.D.D. 8 A 5-18c



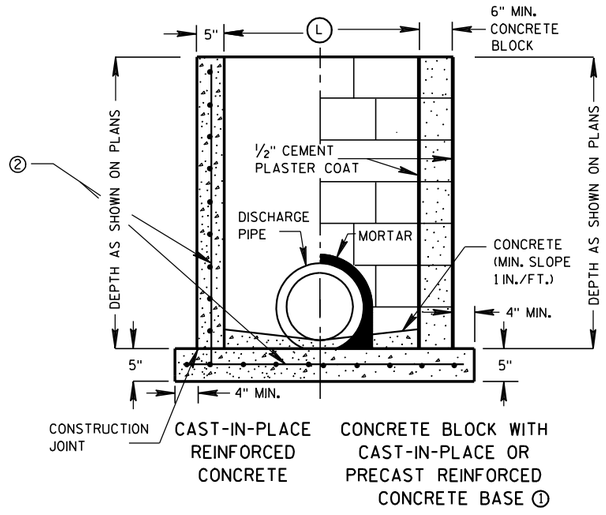
PLAN VIEW



PLAN VIEW



SECTION A-A



SECTION B-B

SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

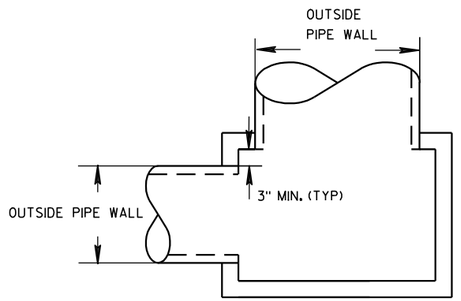
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



DETAIL "A"

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

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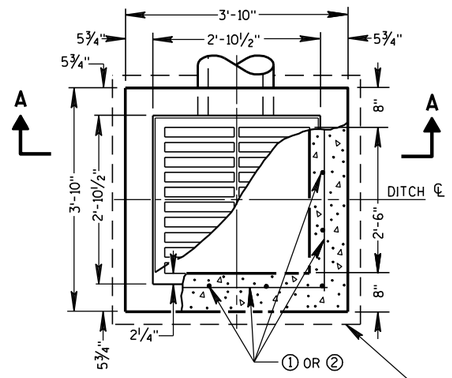
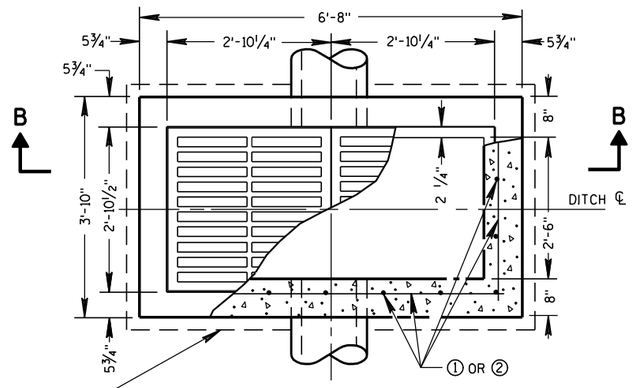
S.D.D. 8 C 7-1

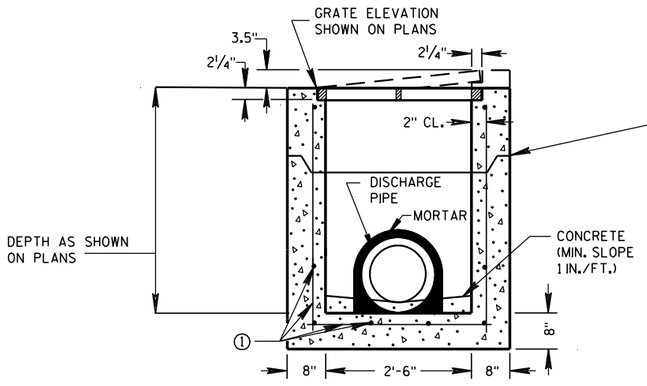


PLAN VIEW

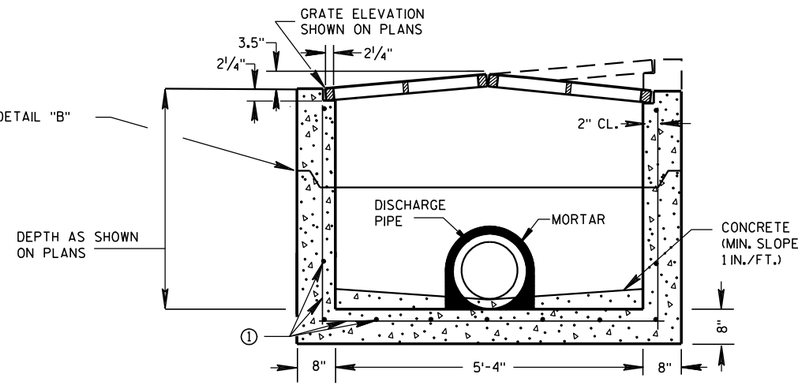


PLAN VIEW

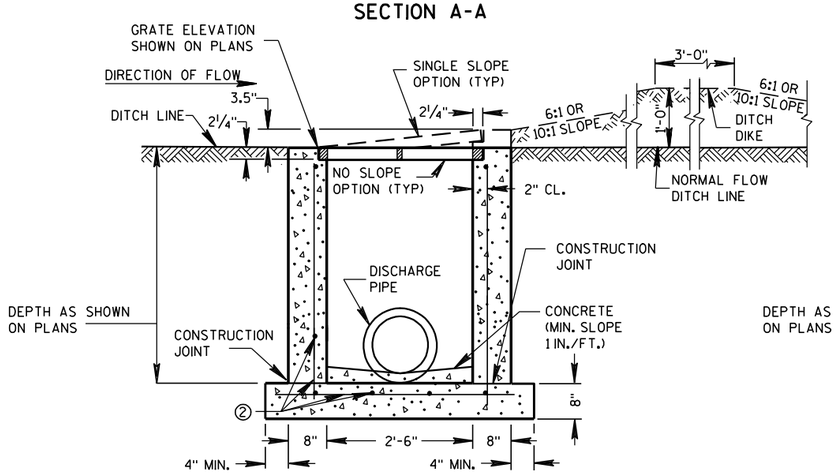
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



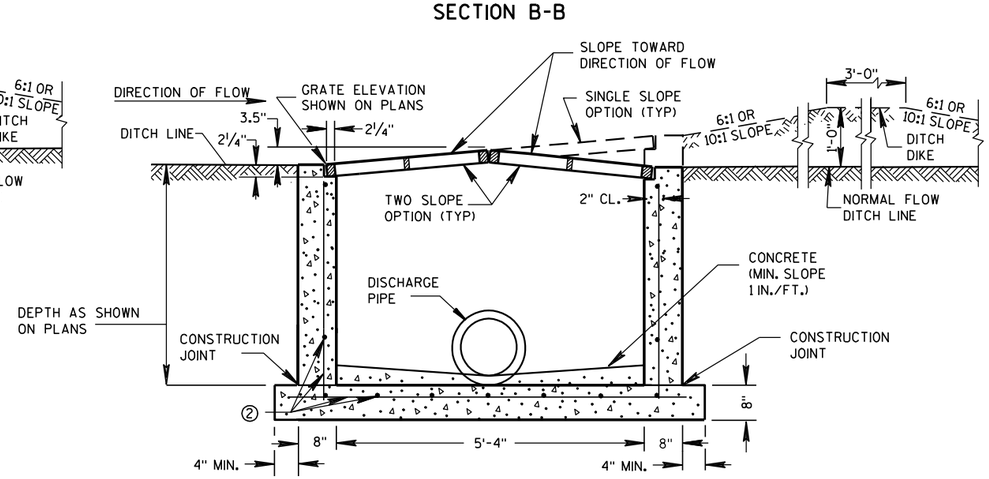
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

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

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

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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

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

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

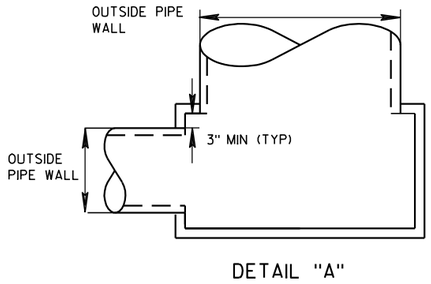
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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

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

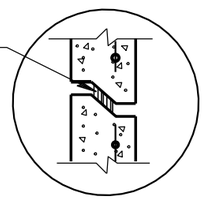
PIPE MATRIX

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



DETAIL "A"

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



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 8 C 8-1

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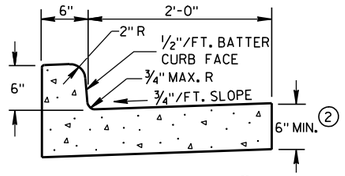
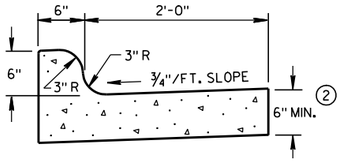
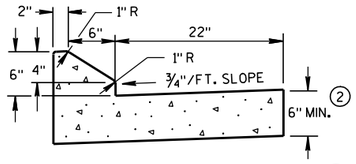
S.D.D. 8 C 8-1



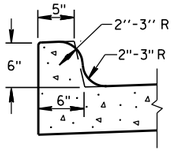
TYPES A & D (1)



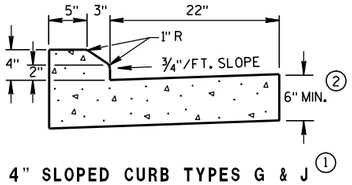
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

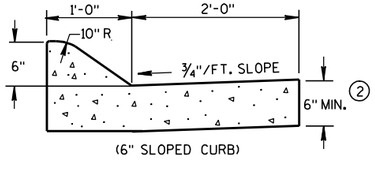


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

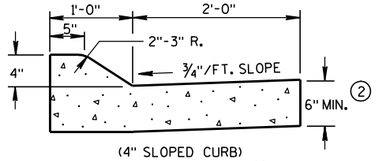


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

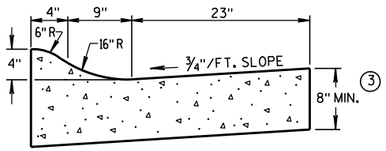


(6" SLOPED CURB)



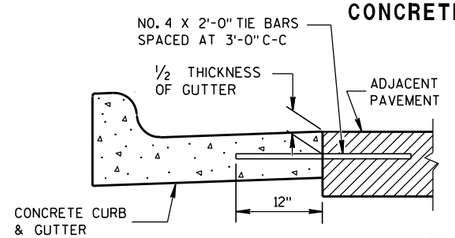
(4" SLOPED CURB)

TYPES A & D (1)

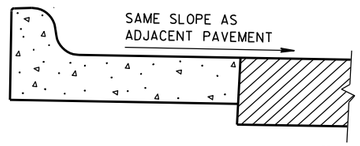


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"



TYPICAL TIE BAR LOCATION (1)



REVERSE SLOPE GUTTER (5)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS 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 & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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

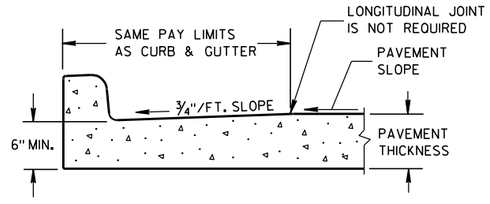
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(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.

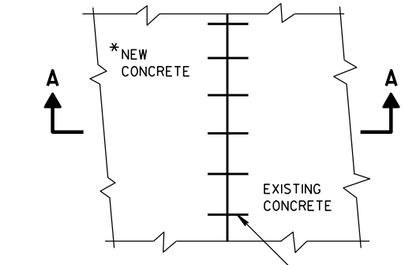
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

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

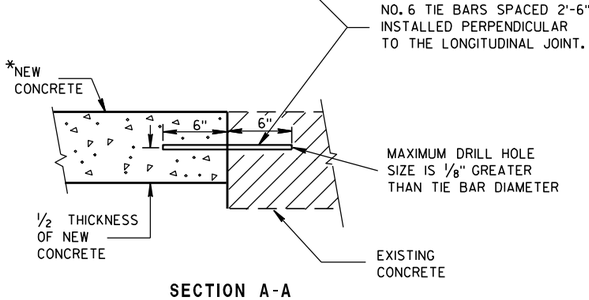


PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



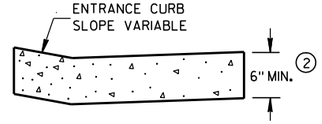
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

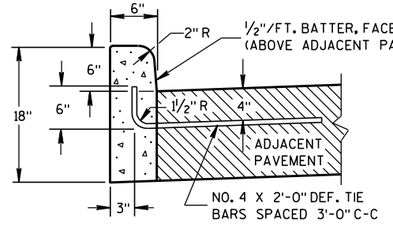


SECTION A-A

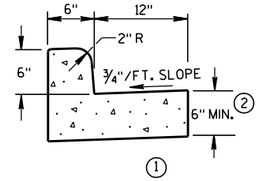
TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

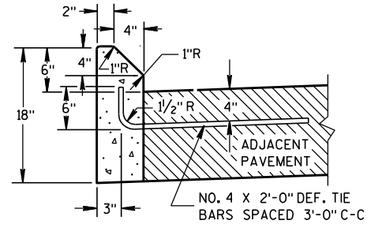


(1) TYPES A & D

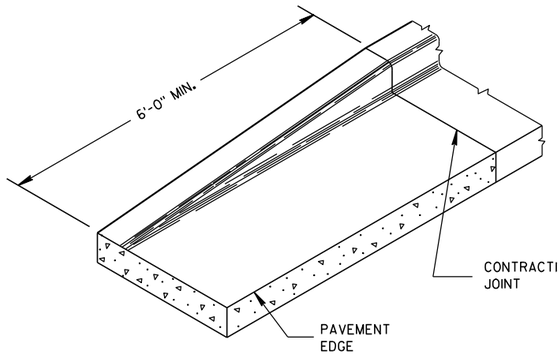


(1) TYPES A & D

CONCRETE CURB & GUTTER 18"



(1) TYPES G & J



END SECTION CURB & GUTTER

CONCRETE CURB

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
9/4/08 DATE	/S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER
FHWA	87 ENT

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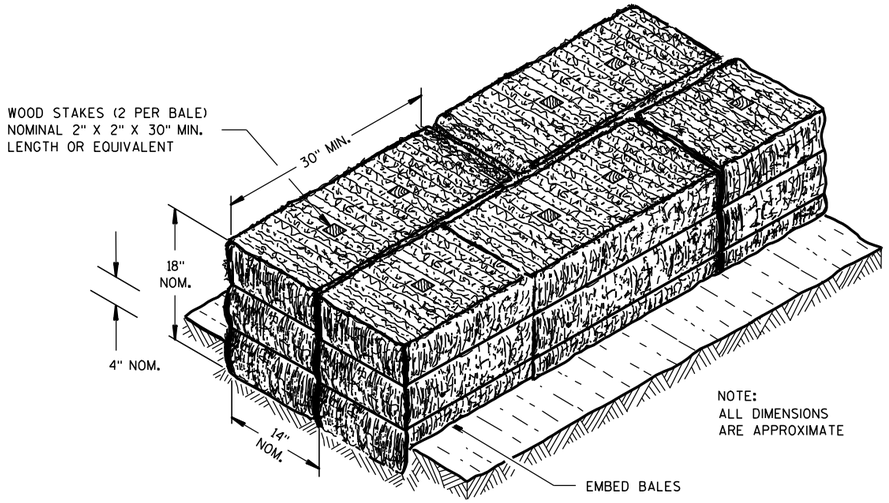
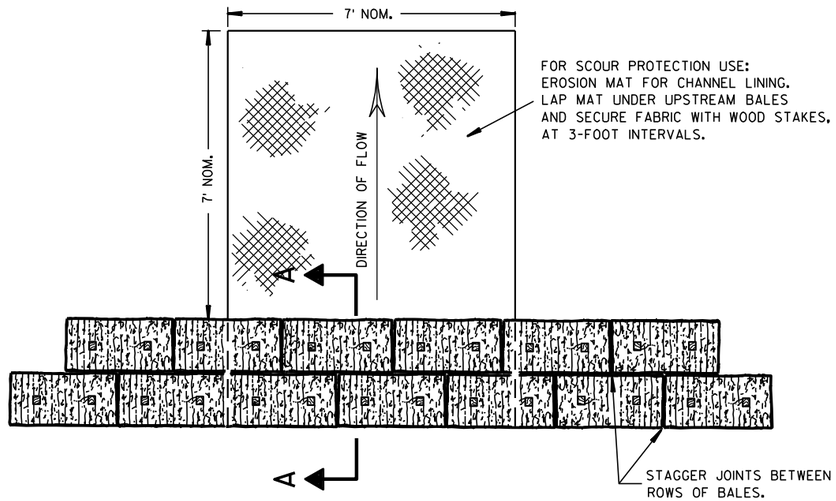
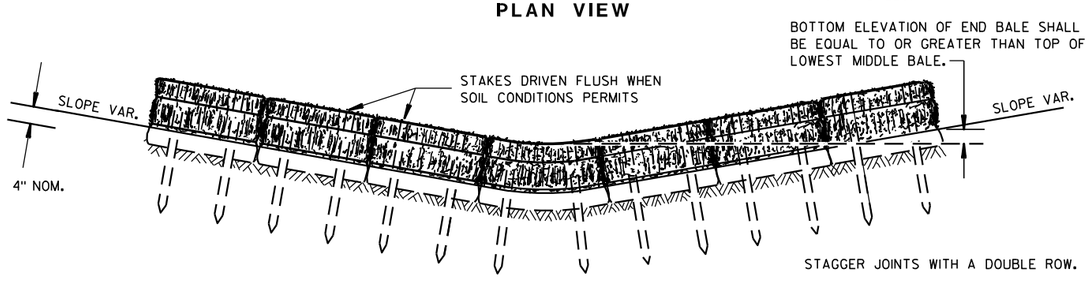
S.D.D. 8 D 1-17



SECTION A-A



PLAN VIEW



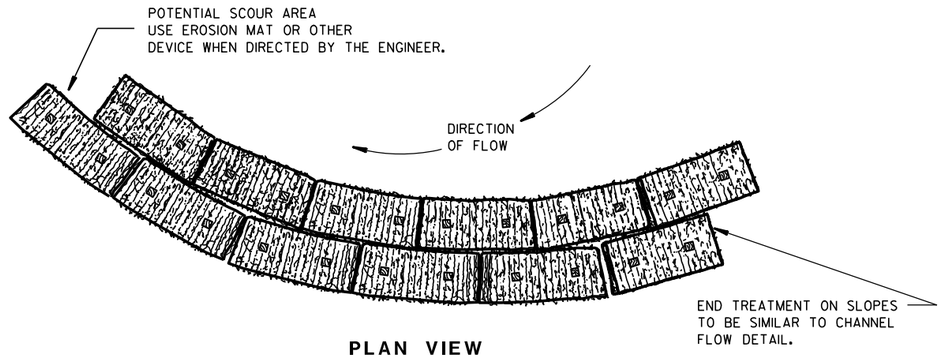
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

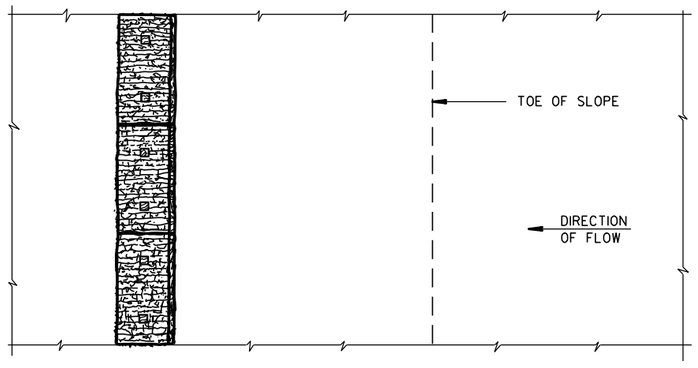
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

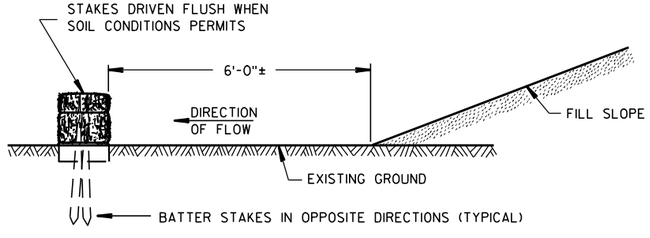


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

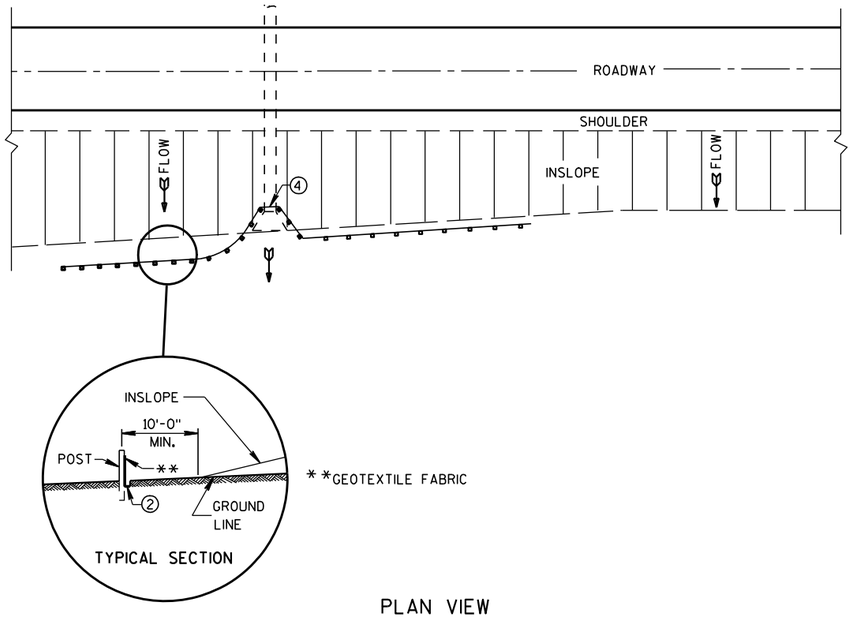
TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

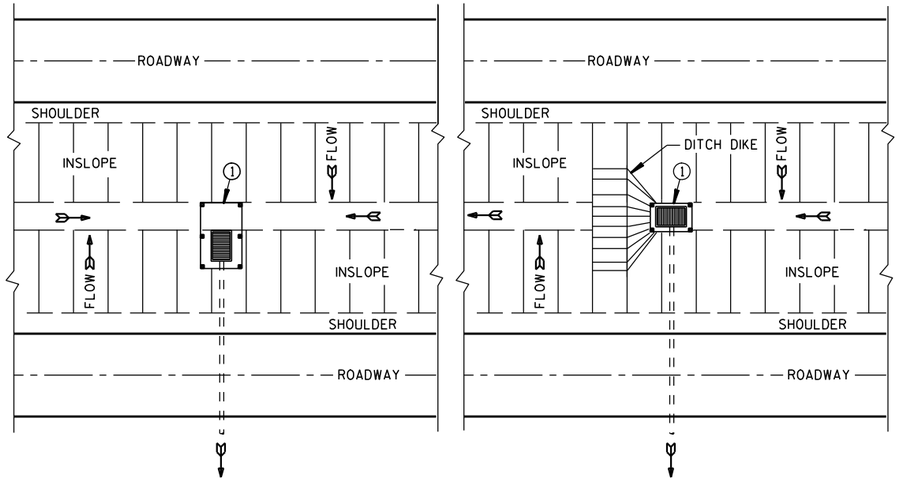
6/04/02 DATE — /S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

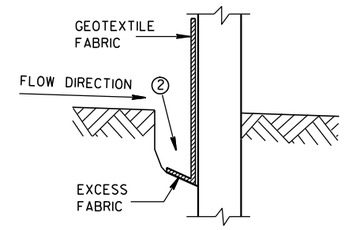
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

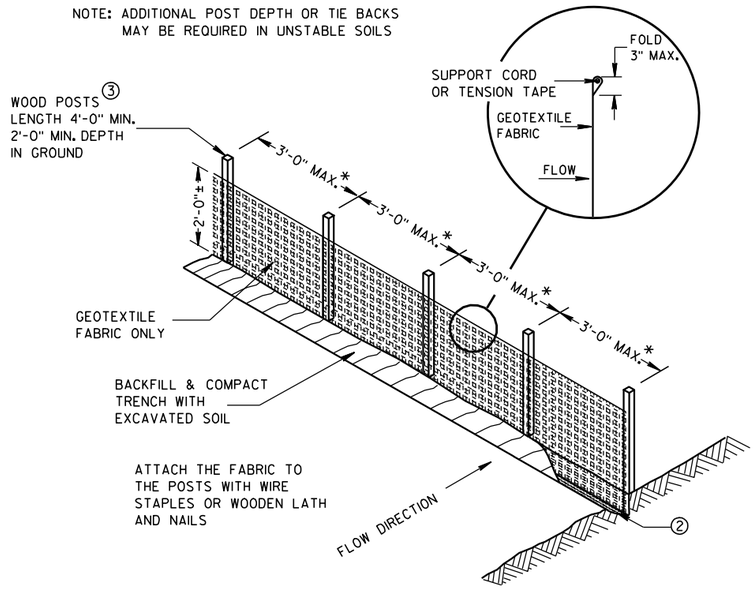
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

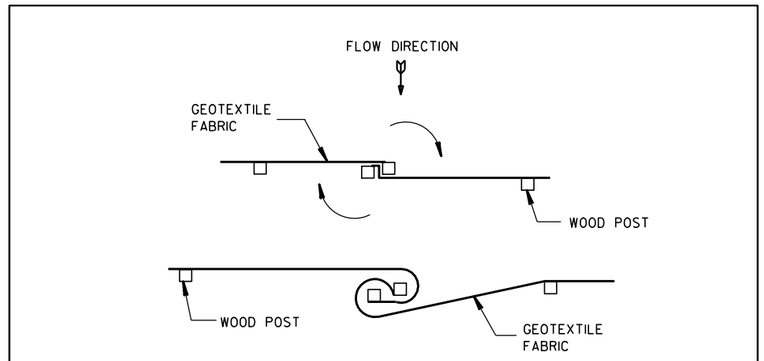
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



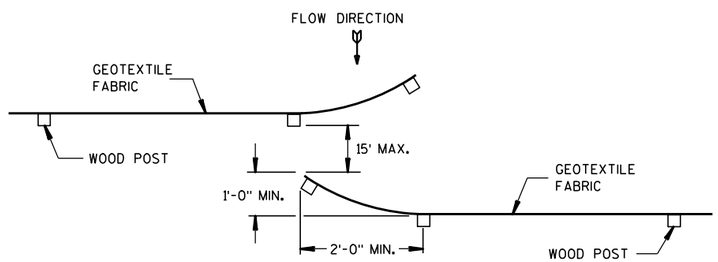
TRENCH DETAIL



SILT FENCE

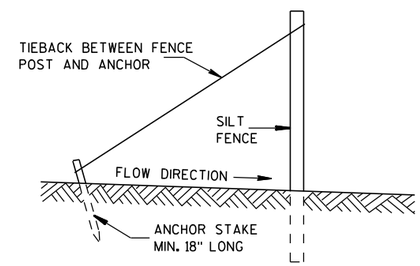


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 8 E 9-6

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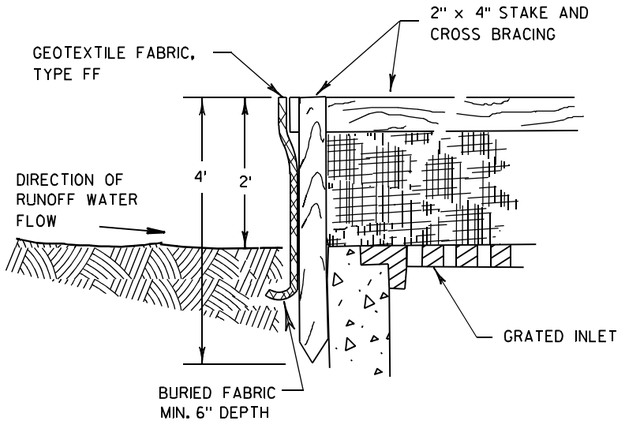
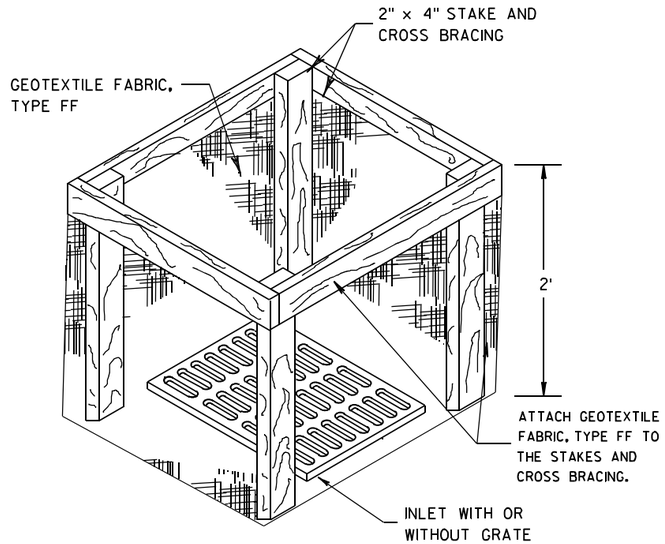
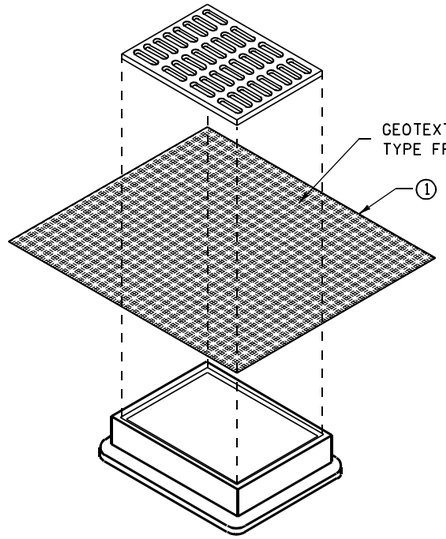
S.D.D. 8 E 9-6



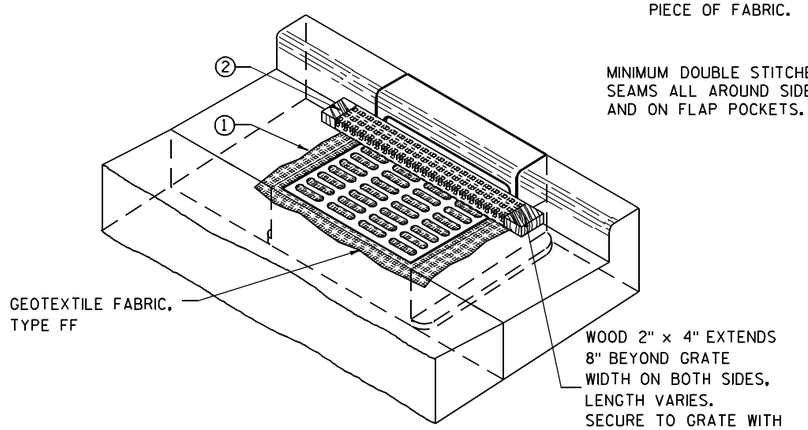


INLET PROTECTION, TYPE A

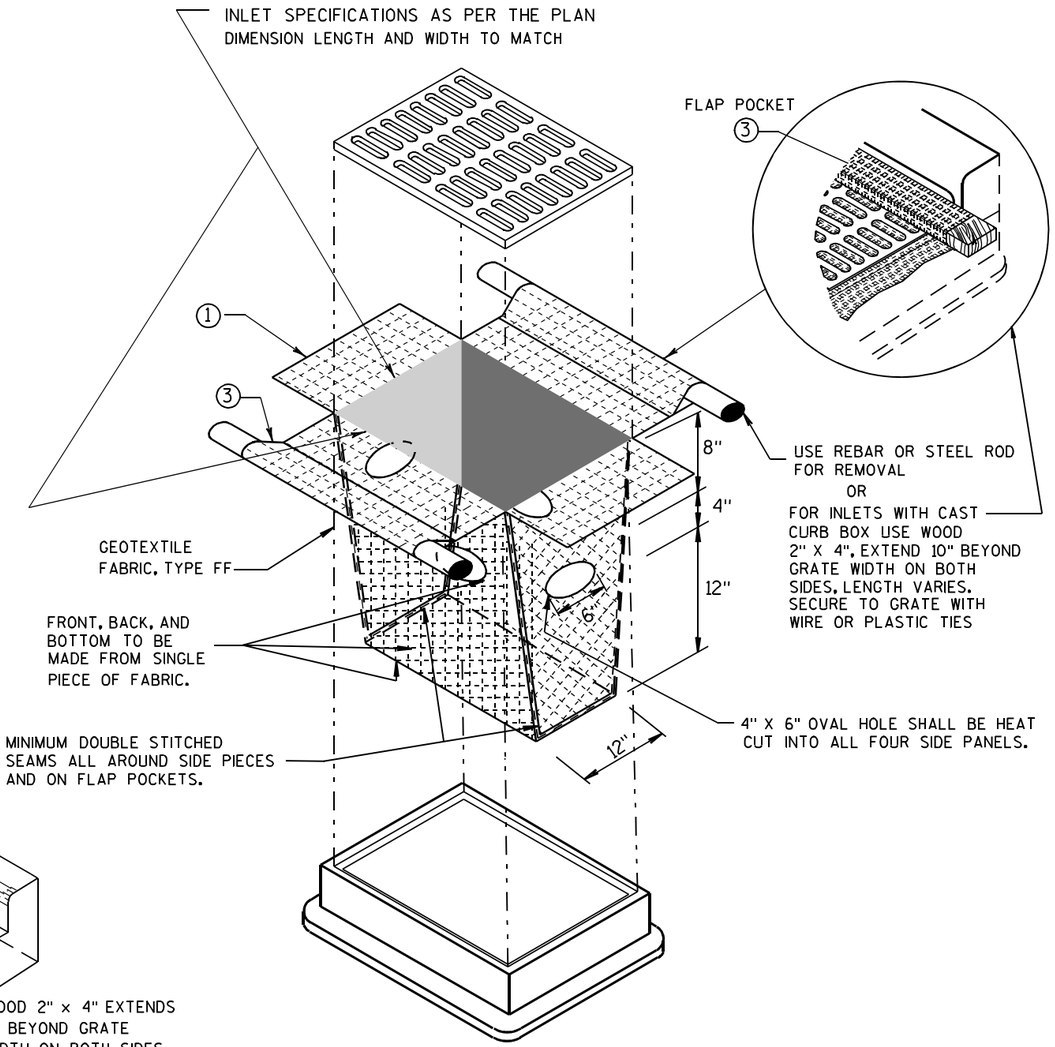


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

METAL APRON ENDWALLS

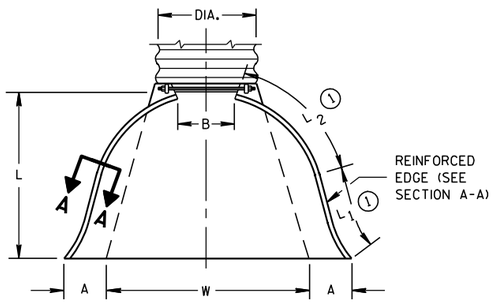
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4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

× EXCEPT CENTER PANEL SEE GENERAL NOTES

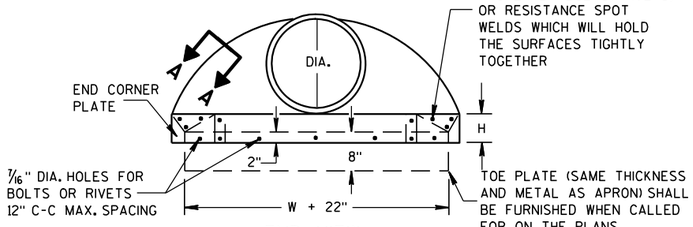
REINFORCED CONCRETE APRON ENDWALLS

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

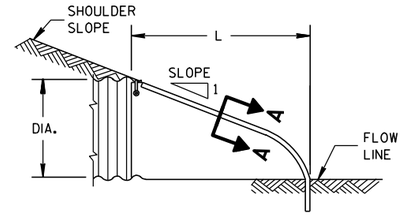
*MINIMUM
**MAXIMUM



PLAN VIEW

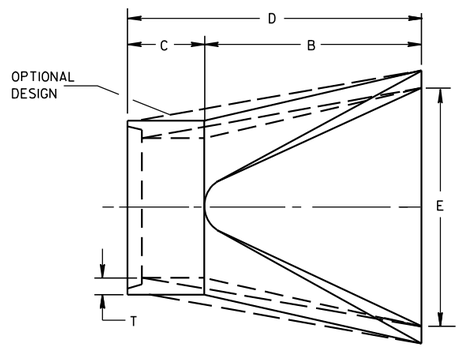


END VIEW

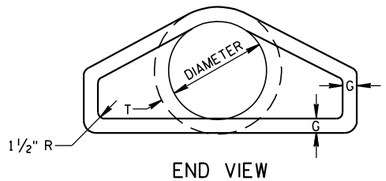


SIDE ELEVATION

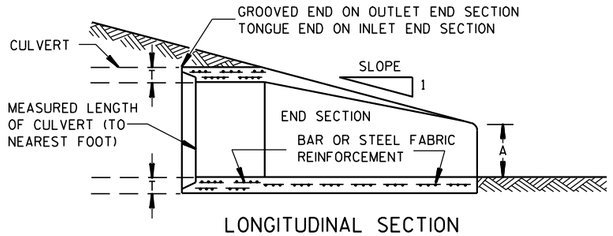
METAL ENDWALLS



PLAN

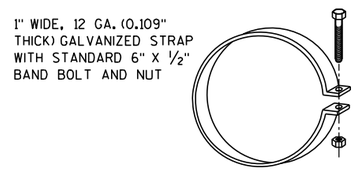


END VIEW



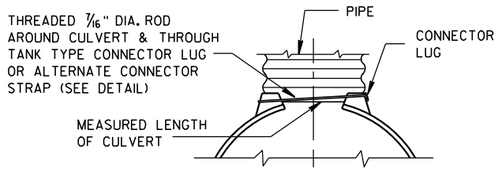
LONGITUDINAL SECTION

CONCRETE ENDWALLS

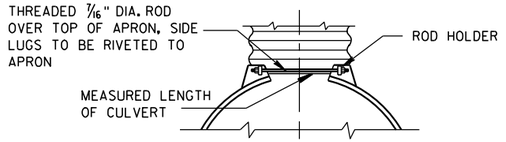


ALTERNATE FOR TYPE 1 CONNECTION

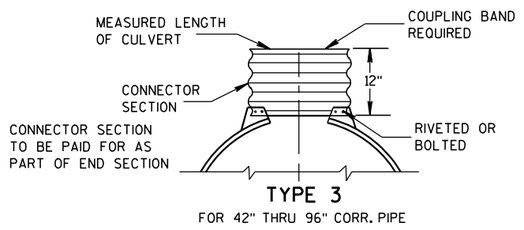
END SECTION CONNECTOR STRAP



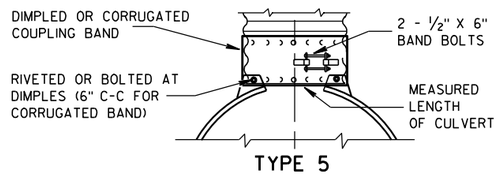
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

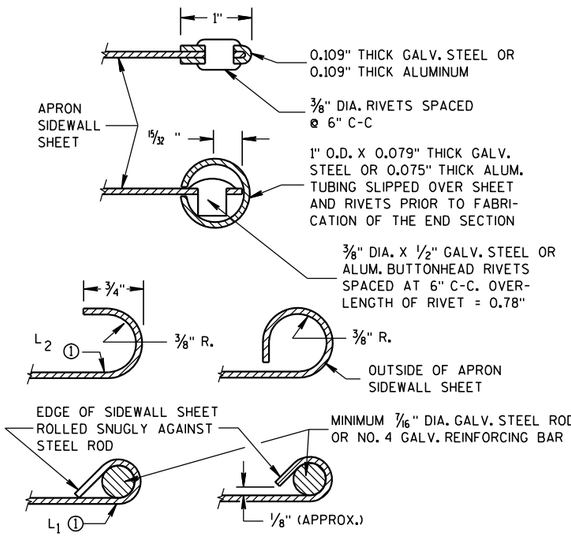
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

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

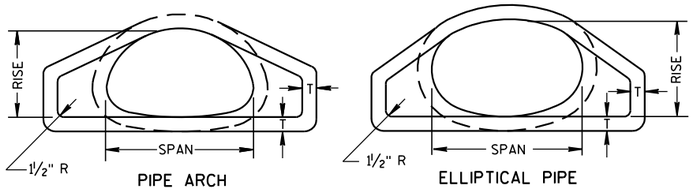
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

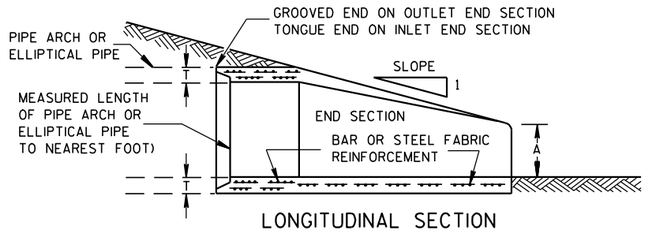
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

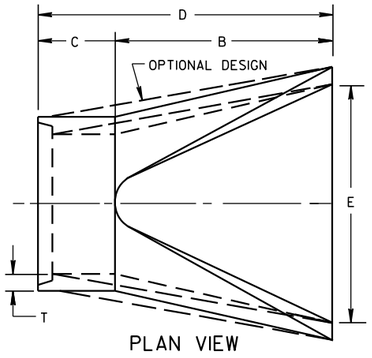
6
S.D.D. 8 F 1-11



END VIEW

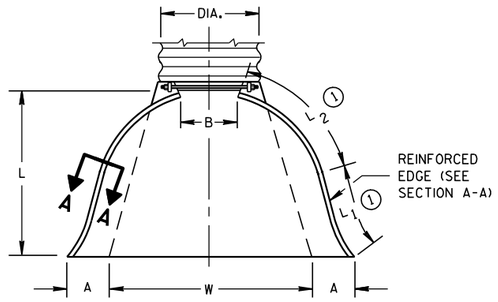


LONGITUDINAL SECTION

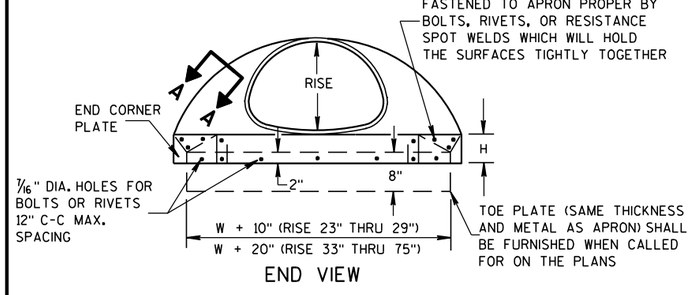


PLAN VIEW

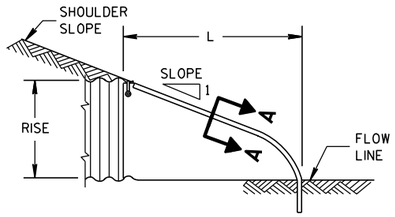
CONCRETE ENDWALLS



PLAN VIEW

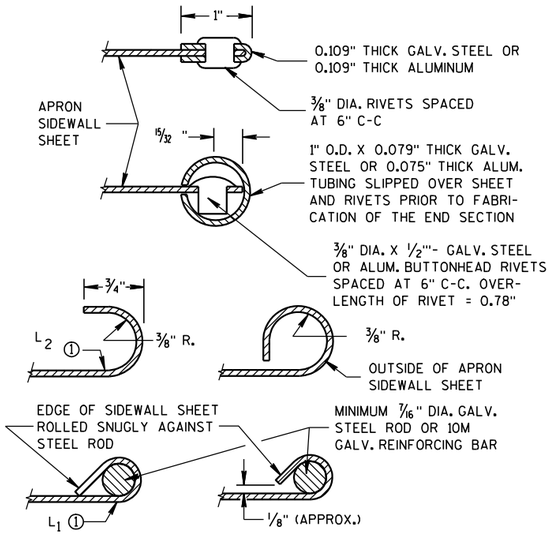


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

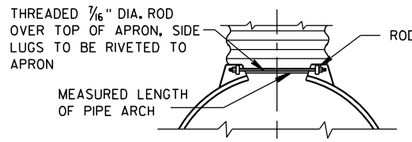
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

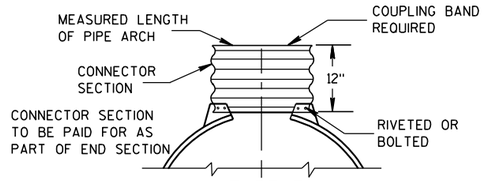
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48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

**NOMINAL SIZE



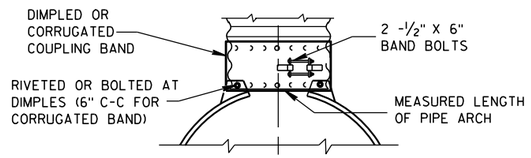
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

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

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

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

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

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

FHWA

6

S.D.D. 8 F 2-1

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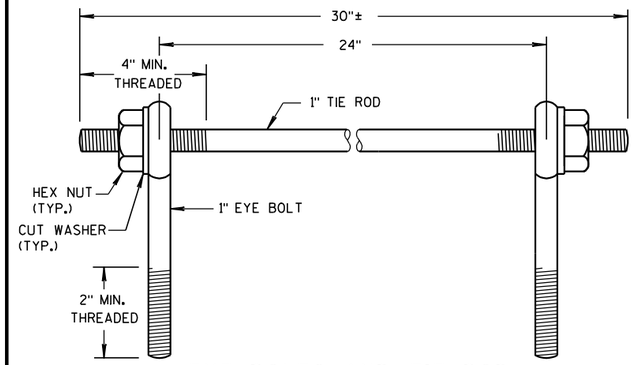
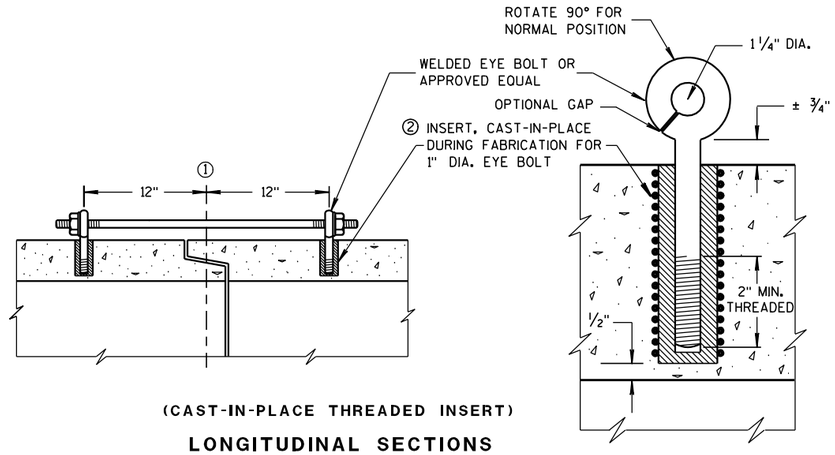
S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

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

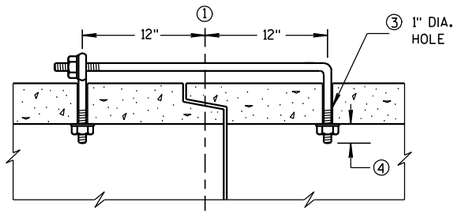
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

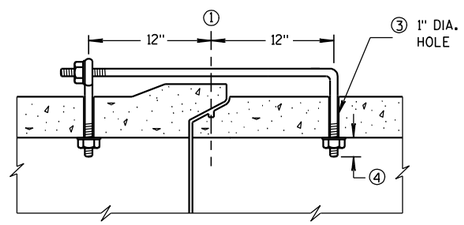
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

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



(TONGUE & GROOVE PIPE)

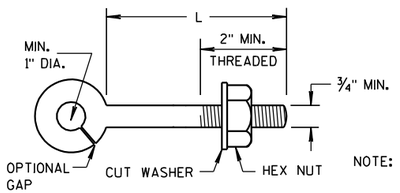


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

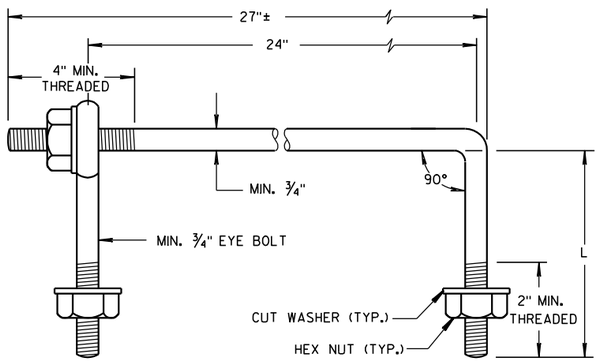
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

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



EYE BOLT AND TIE ROD

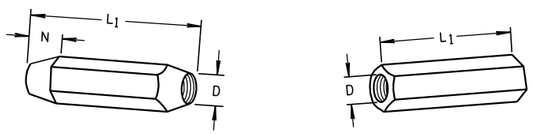
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

ADJUSTABLE TIE ROD TABLE

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

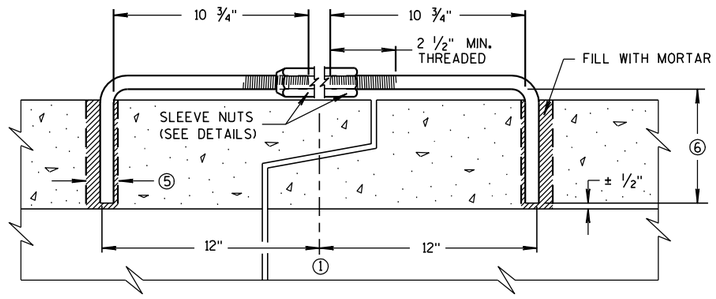
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

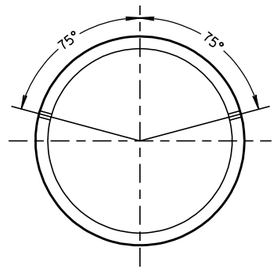
SLEEVE NUTS



LONGITUDINAL SECTION

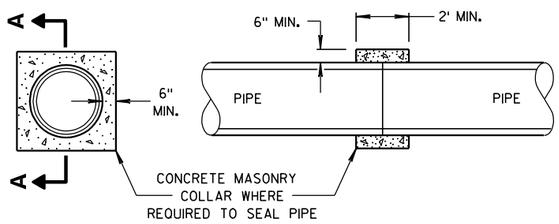
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
93
FHWA

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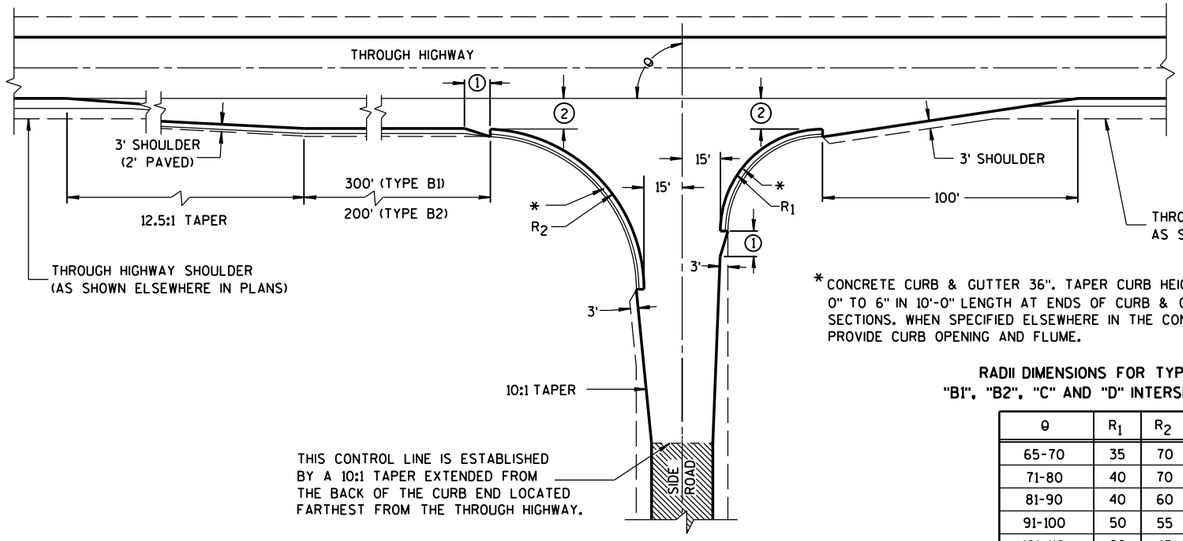
S.D.D. 8 F 4-7

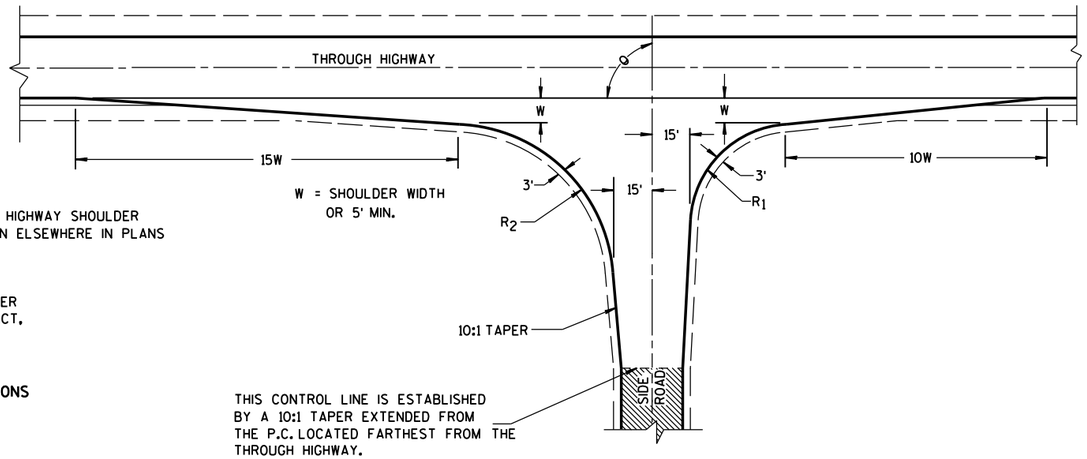


TYPE "B1" AND "B2"

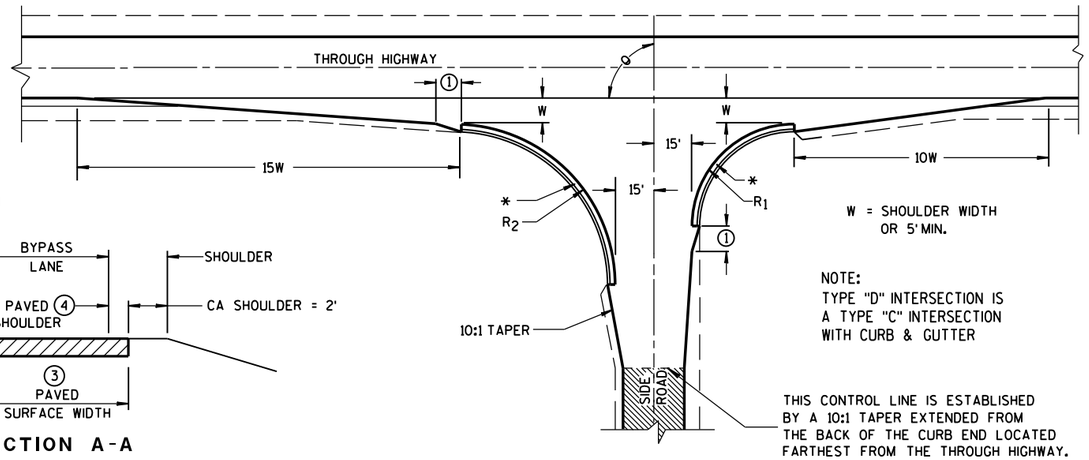
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

(1) 10-FT TYPICAL.

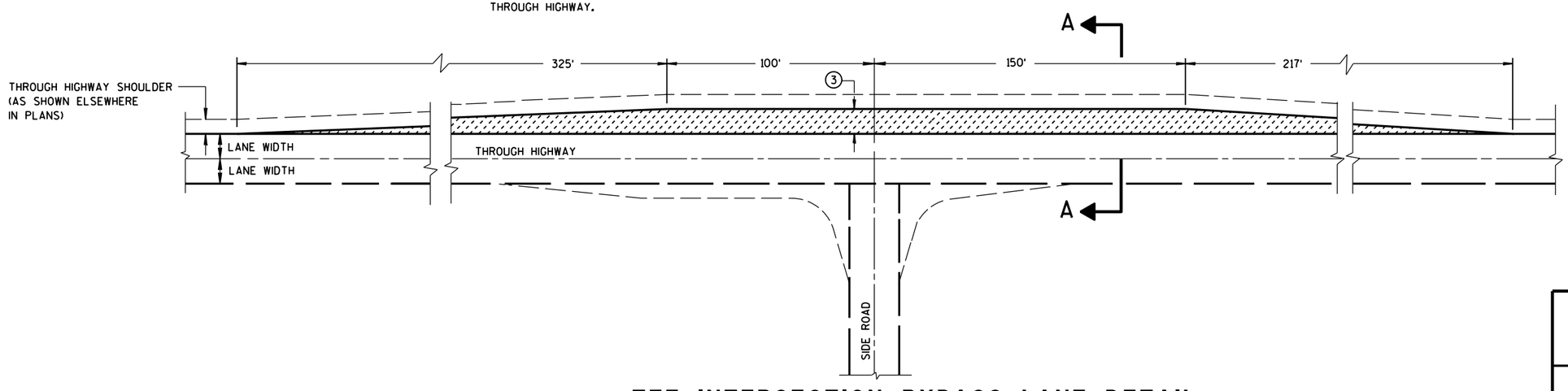
(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

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

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.

SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



TEE INTERSECTION BYPASS LANE DETAIL

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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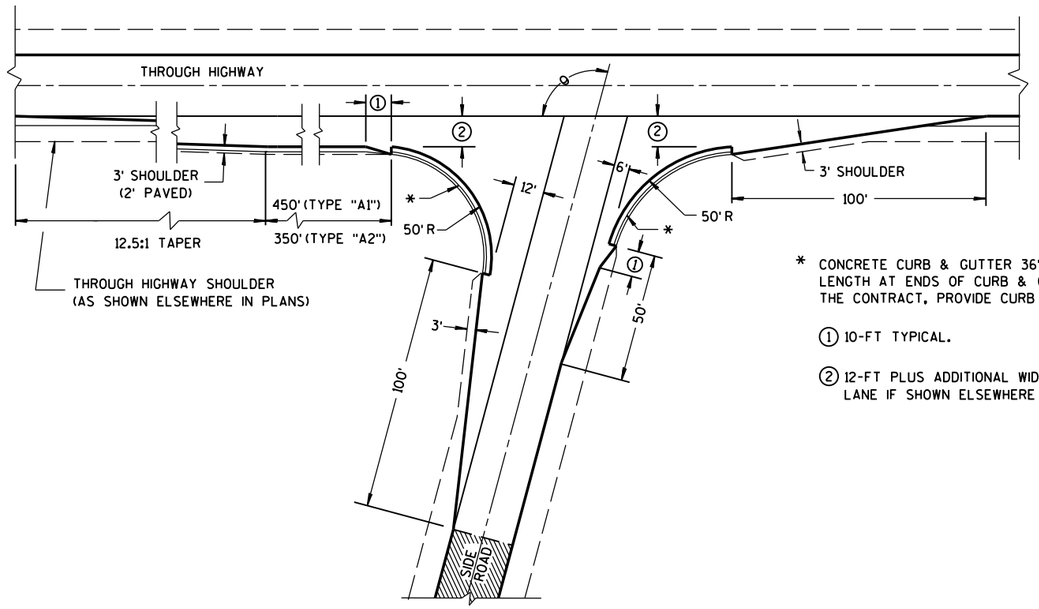
S.D.D. 9 A 1-13a



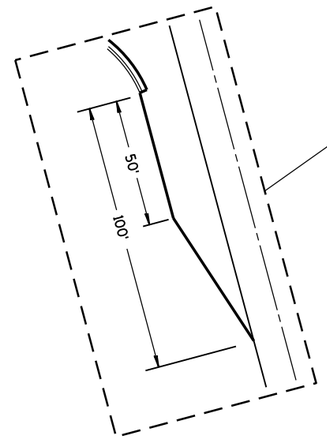
θ = MORE THAN 80°

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

① 10-FT TYPICAL.

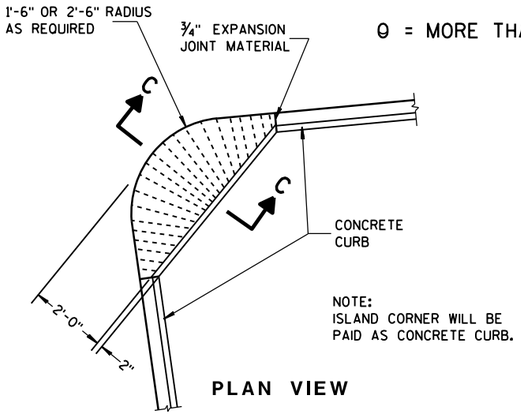
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE



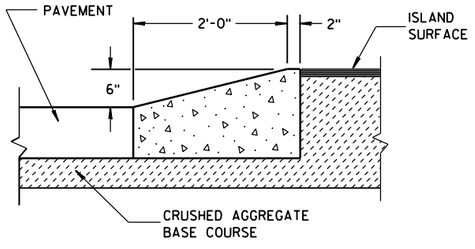
θ = ACUTE ANGLES 80° OR LESS

SIDE ROAD WIDENING AND TAPER REQUIRED WHERE
THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS



NOTE:
ISLAND CORNER WILL BE
PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

TABLE OF DIMENSIONS FOR
VARIABLE SIDE ROAD INTERSECTION ANGLES
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X/Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS

AT-GRADE SIDE ROAD
INTERSECTION, TYPE "A1" & "A2"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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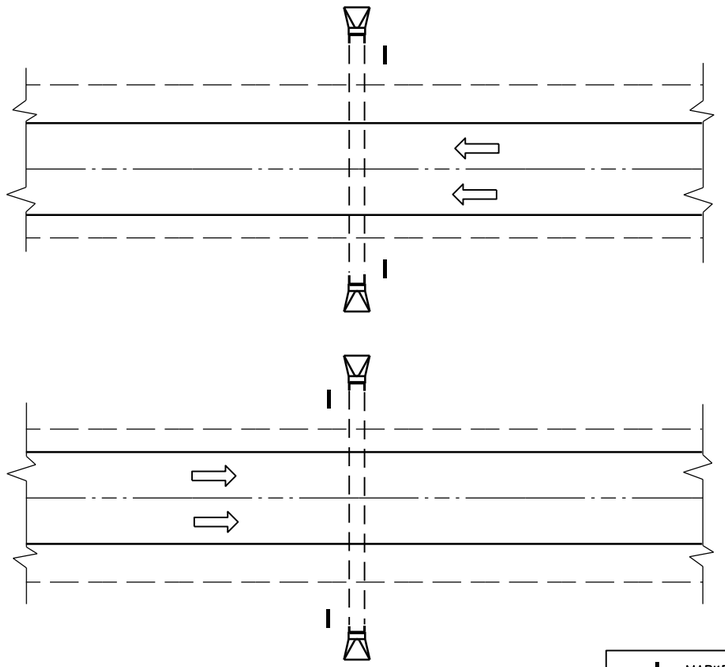
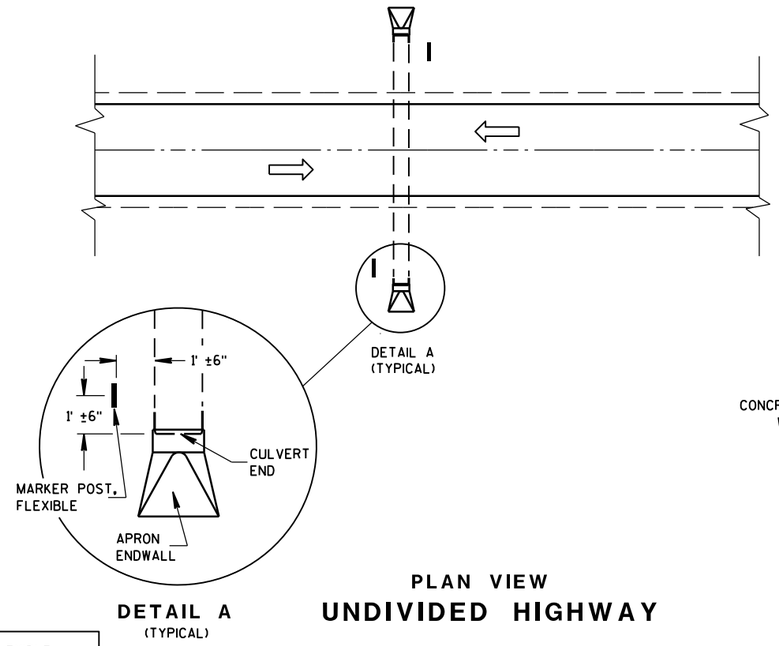
S.D.D. 9 A 1-13b



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

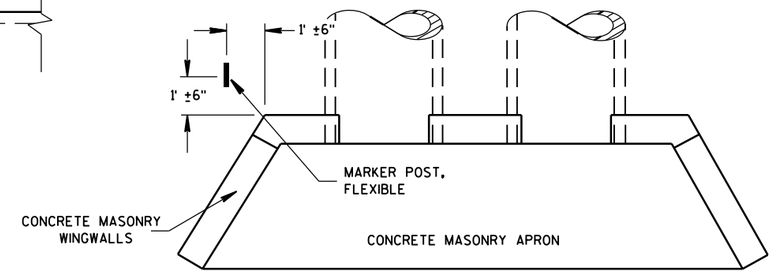
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

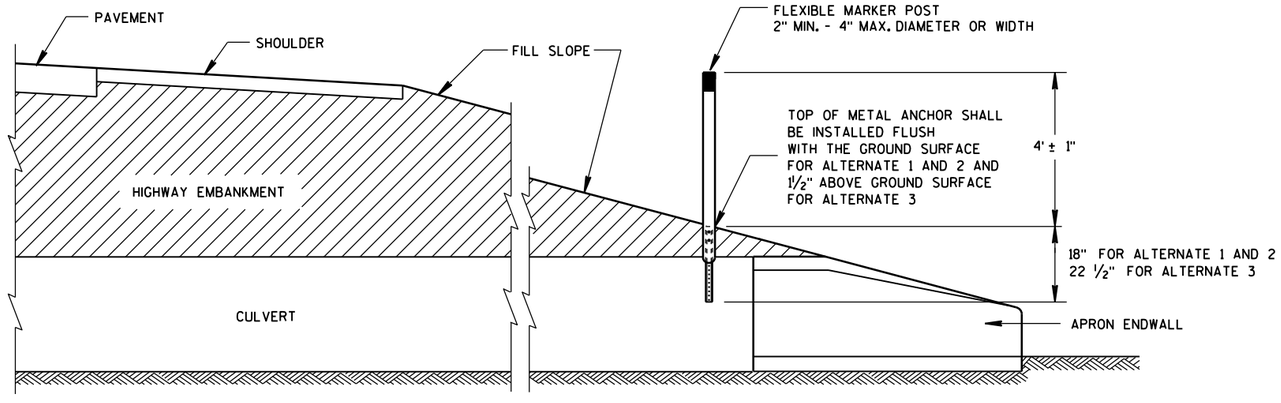
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

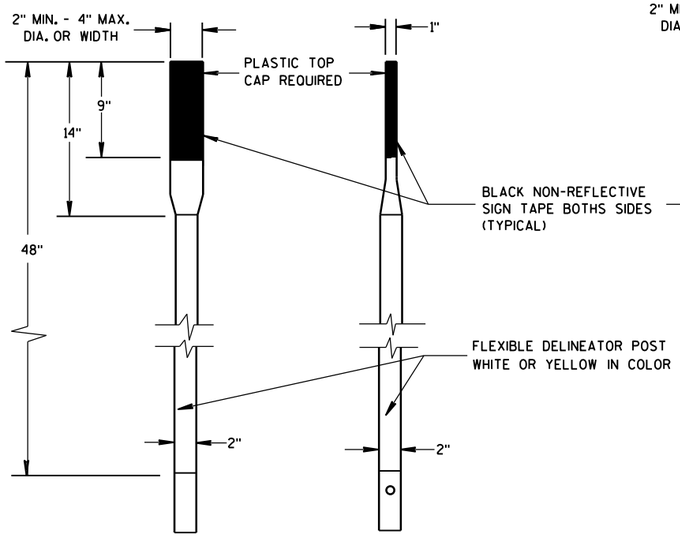
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

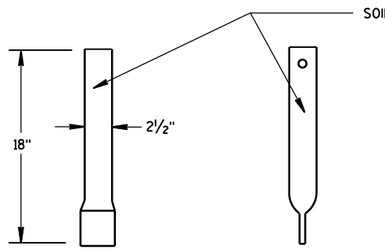
6

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

6

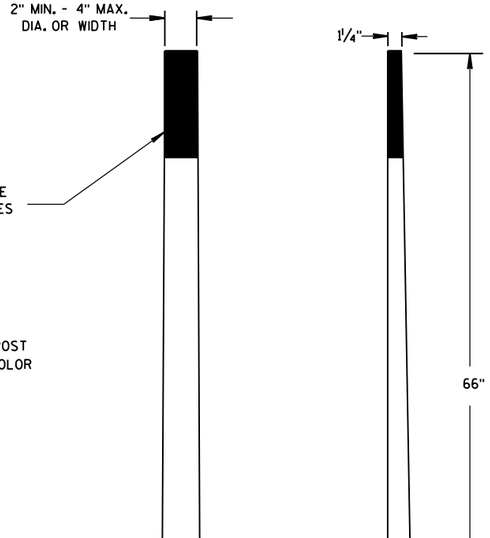
S.D.D. 15 A 3-2a





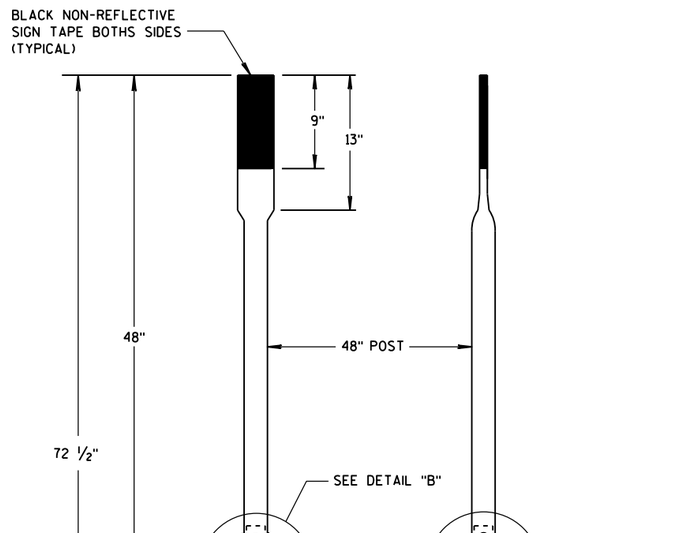
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

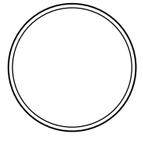
ALTERNATE 2



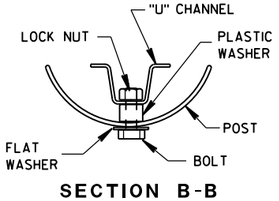
FRONT VIEW SIDE VIEW

ALTERNATE 3

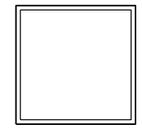
FLEXIBLE MARKER POSTS



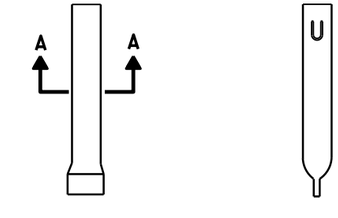
SECTION A-A



SECTION B-B

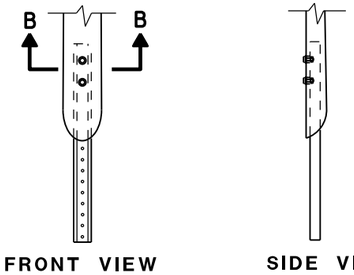


SECTION C-C



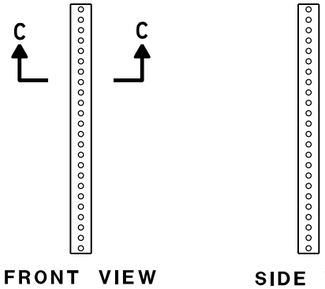
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

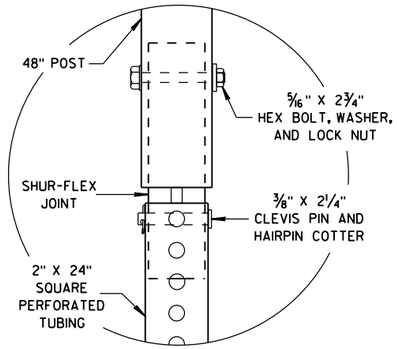
ALTERNATE 2



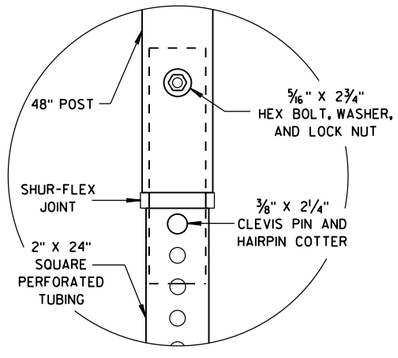
FRONT VIEW SIDE VIEW

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

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

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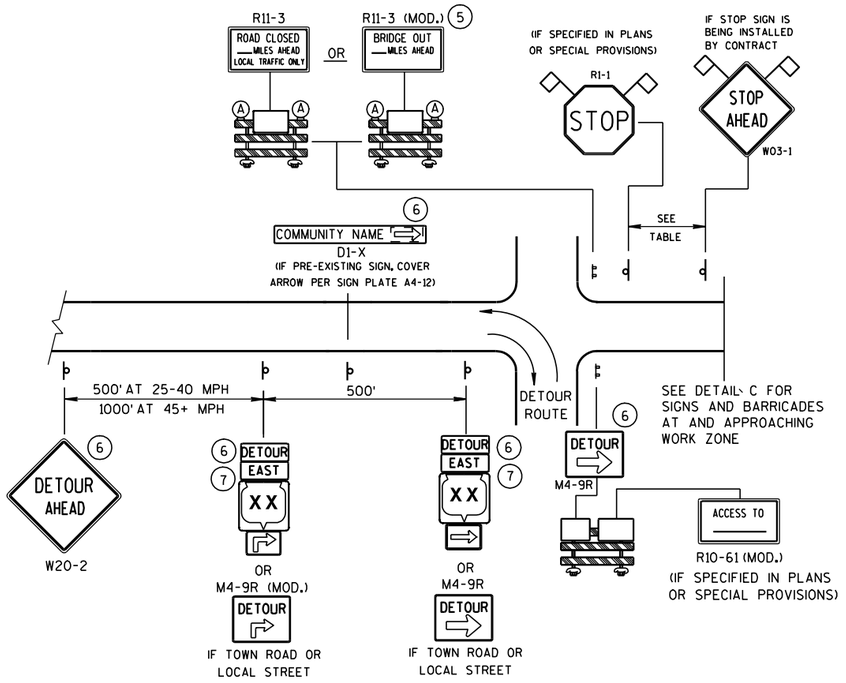
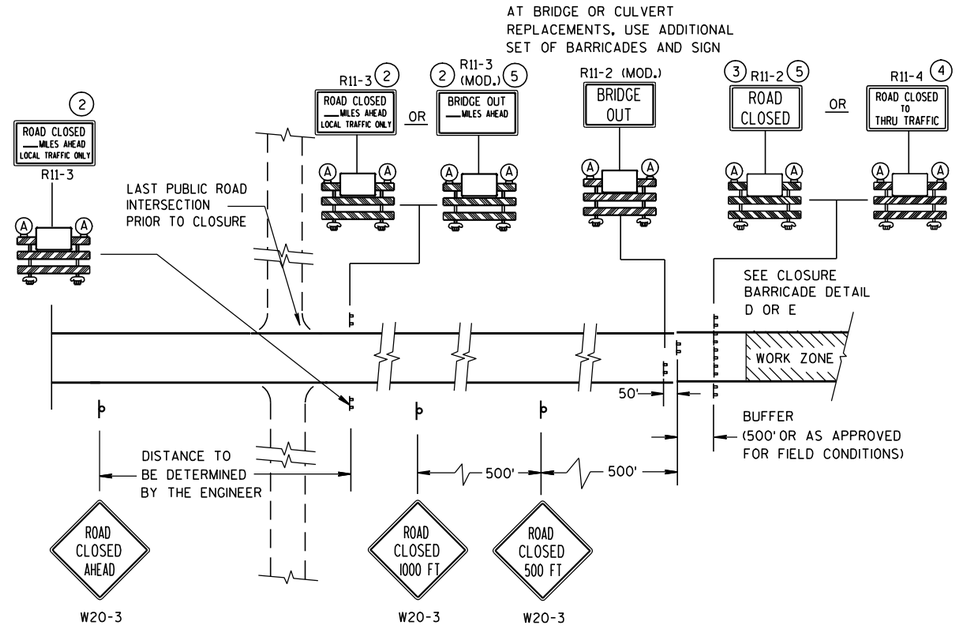
S.D.D. 15 A 3-2b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

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

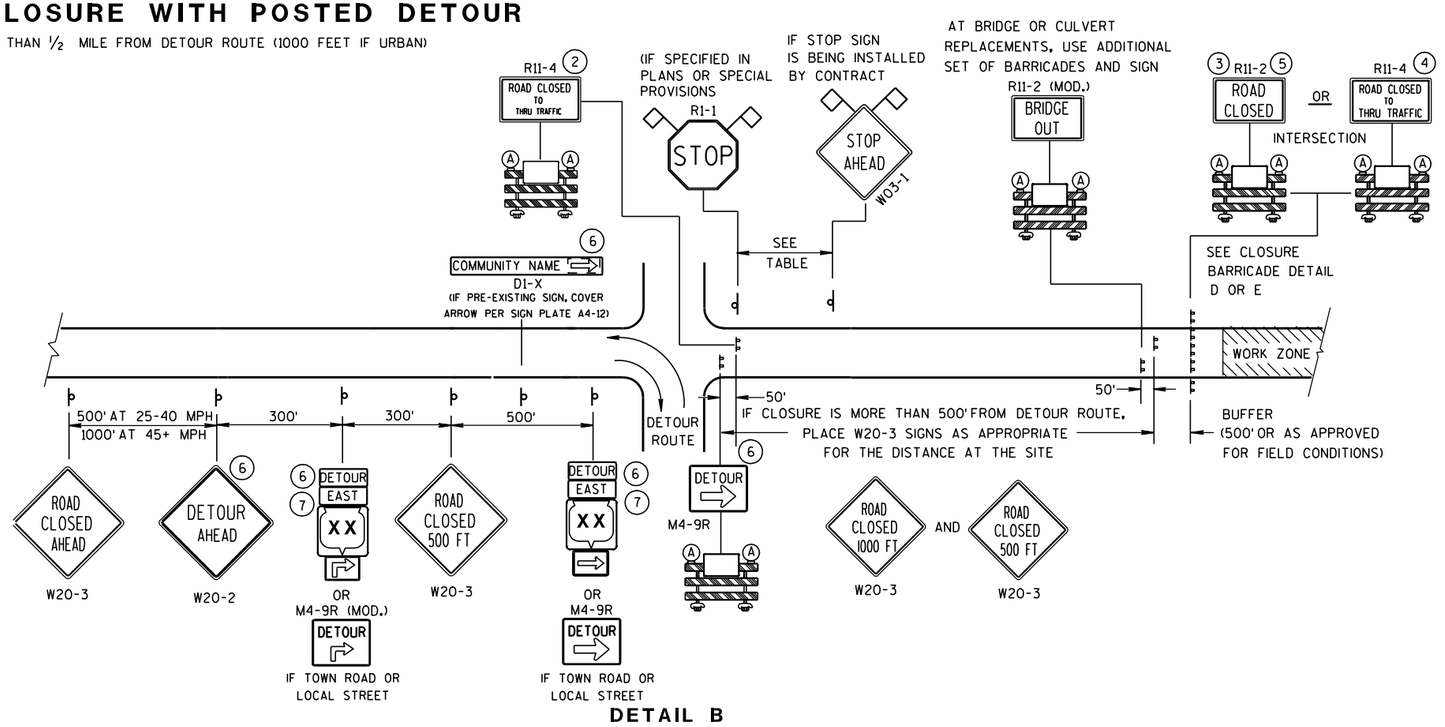


DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

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

SEE SDD 15C2-4b
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

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

LEGEND

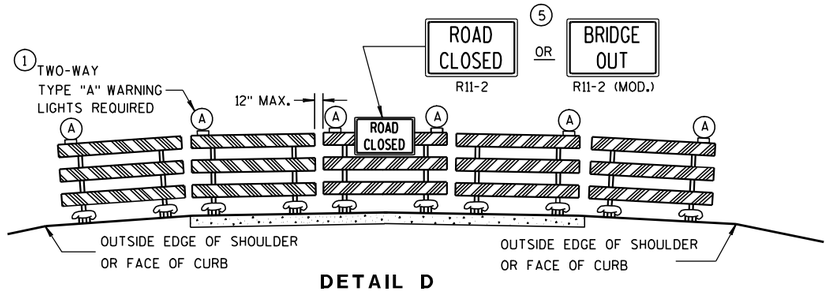
- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1; M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

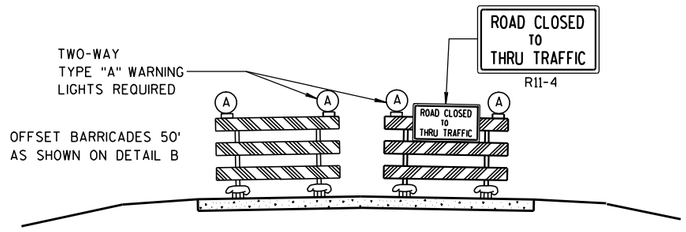
S.D.D. 15 C 2-4a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-4a 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 BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

"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, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- 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 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 LANE 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 MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/16/03 — DATE

/S/ Thomas N. N[illegible] — CHIEF SIGNS AND MAR[illegible]INEER

FHWA

6

S.D.D. 15 C 2-4b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

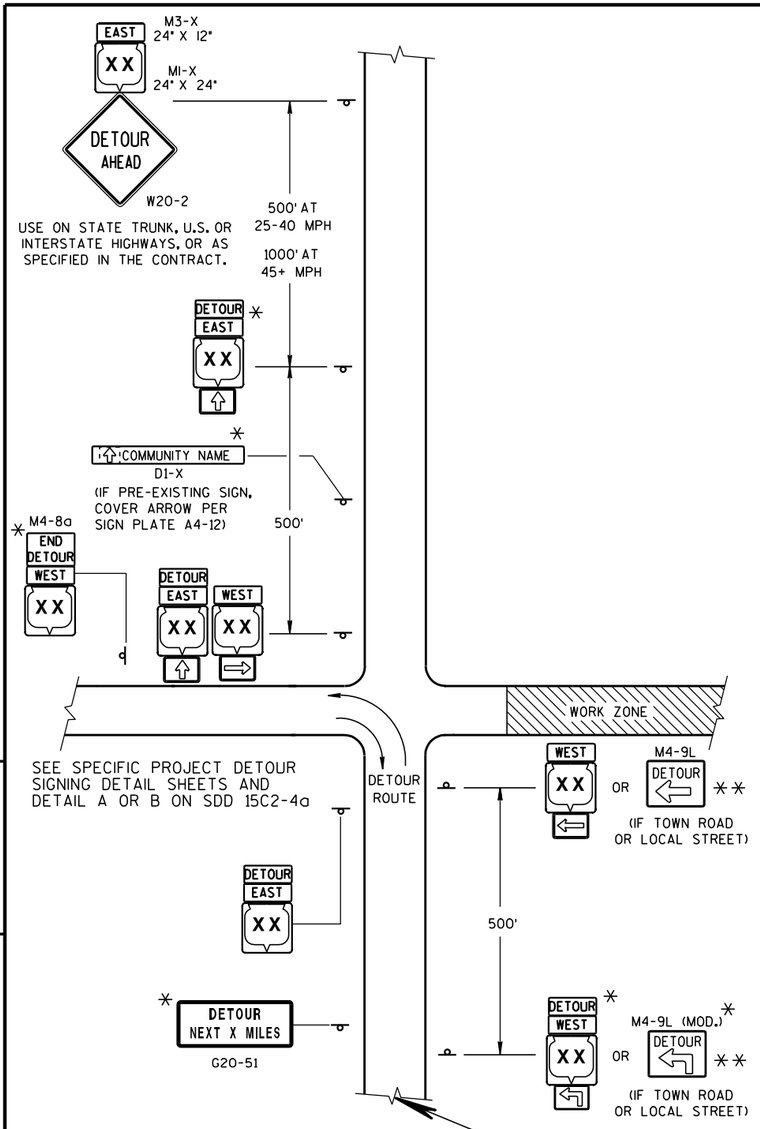
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

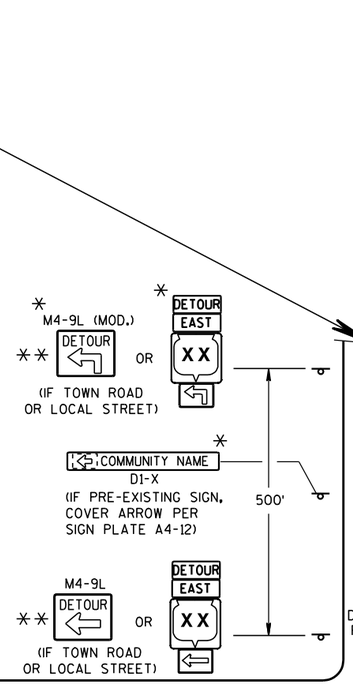
M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
M4-9 SHALL BE 30" X 24".
M4-8a SHALL BE 24" X 18".
G20-51 SHALL BE 60" X 24".
W20-2 SHALL BE 48" X 48".
D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

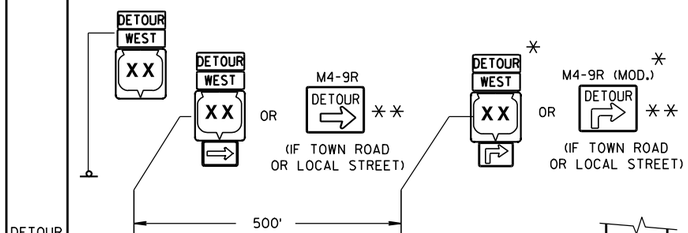
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

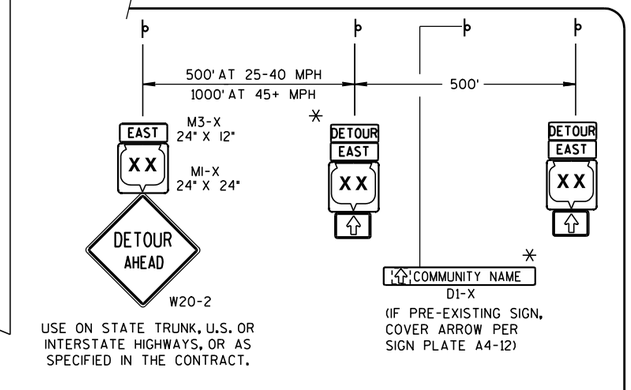
** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.

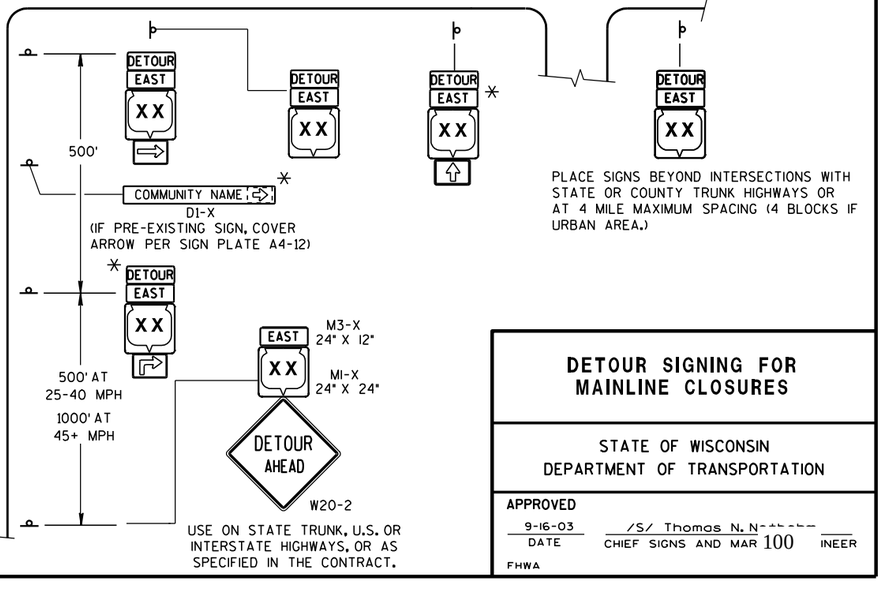


MATCH POINT









LEGEND

- POST MOUNTED SIGN
- WORK ZONE
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

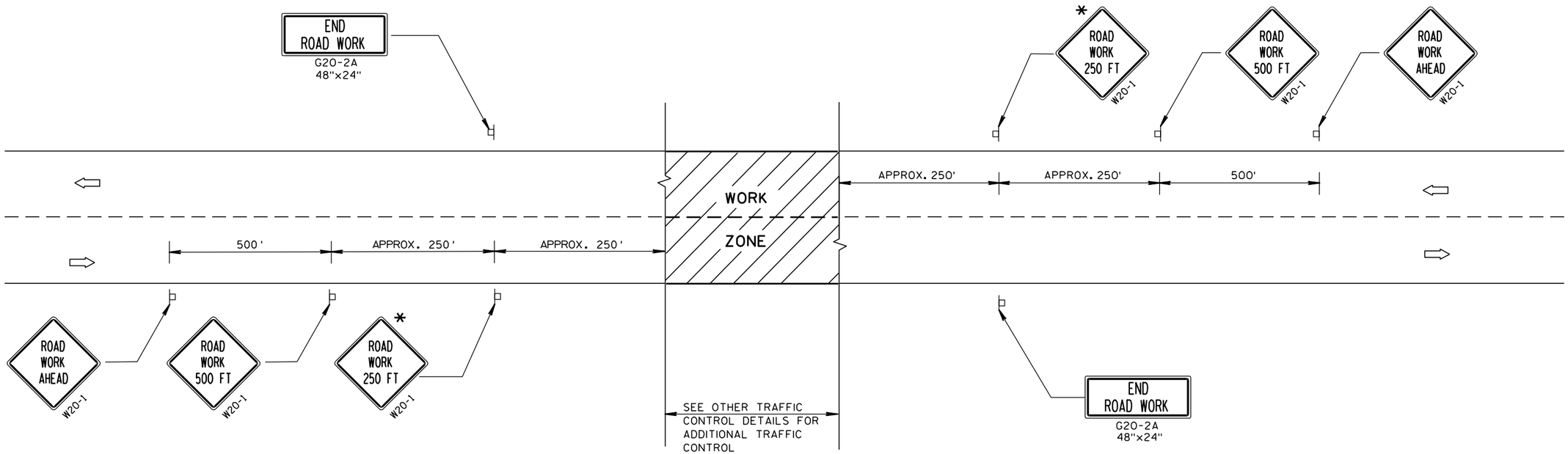
APPROVED
9-16-03 DATE
/S/ Thomas N. [illegible] CHIEF SIGNS AND MAR 100 INEER
FHWA

6

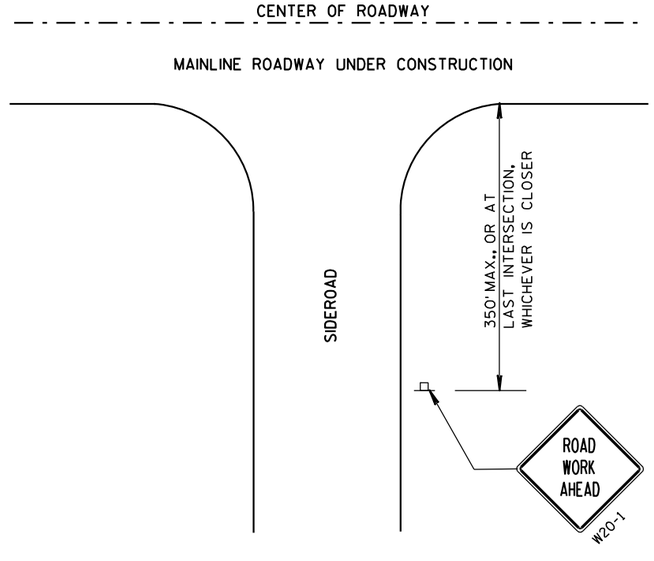
S.D.D. 15 C 2-4c

6

S.D.D. 15 C 2-4c



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



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 DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 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 RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

LEGEND

POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/23/00
DATE

/S/ Chester J. [illegible]
CHIEF SIGNS AND MARKING ENGINEER

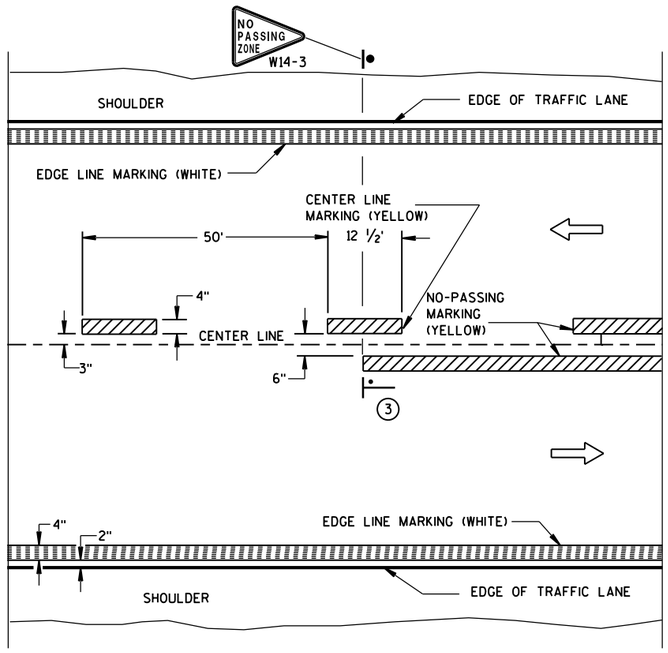
FHWA

6

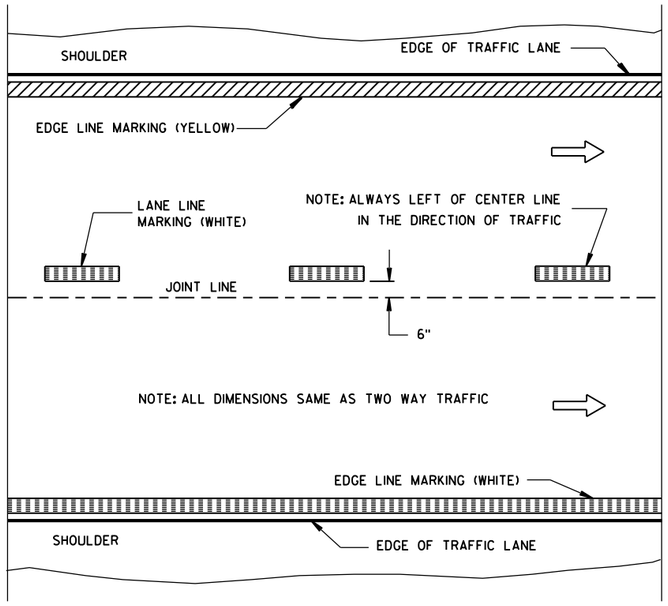
S.D.D. 15 C 5-1

6

S.D.D. 15 C 5-1



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

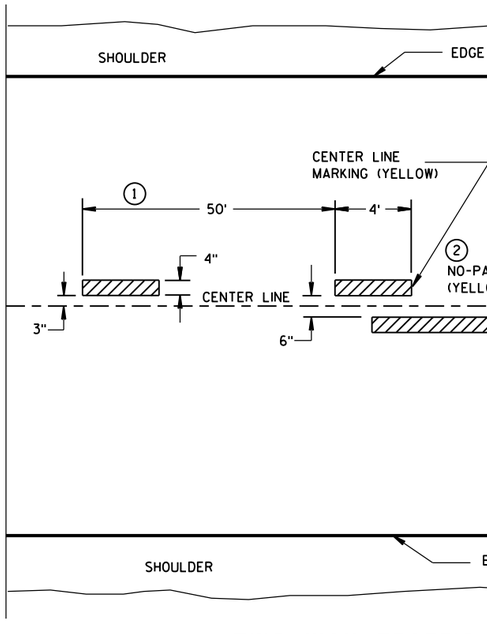
GENERAL NOTES

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

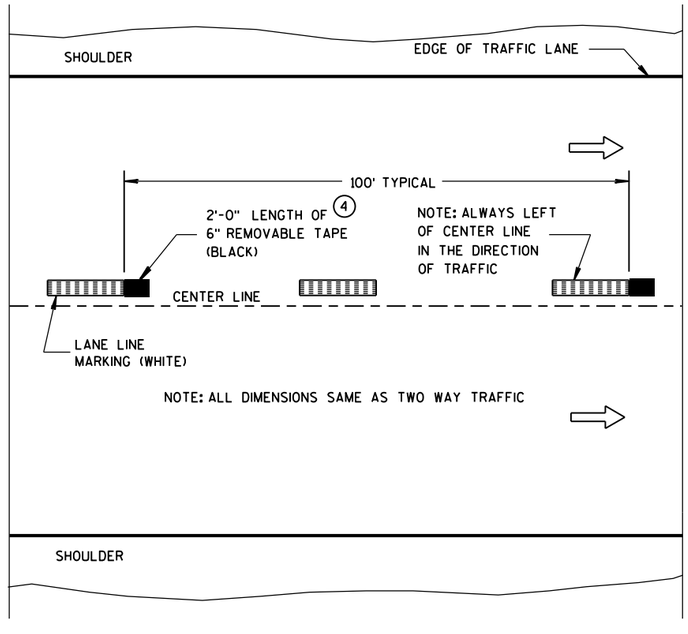
1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



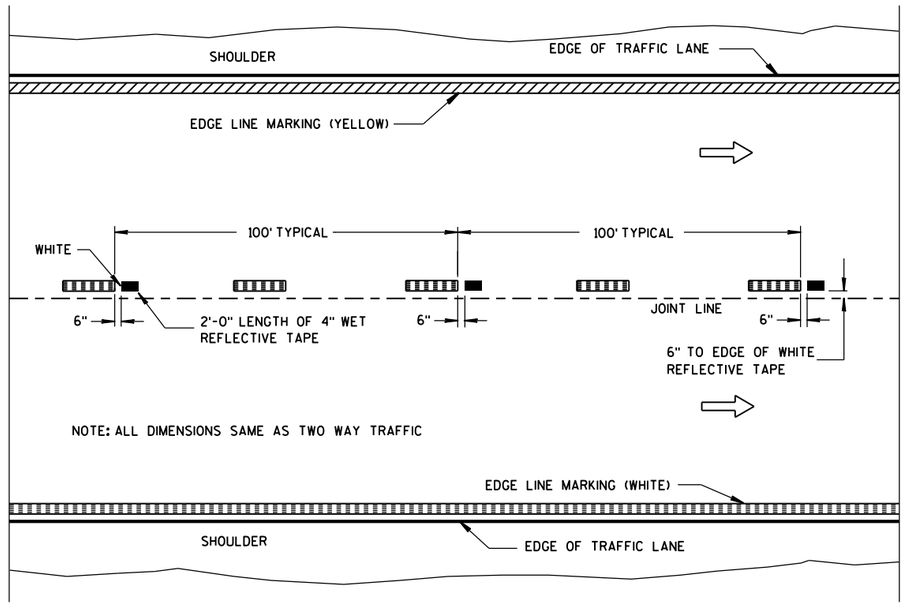
TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

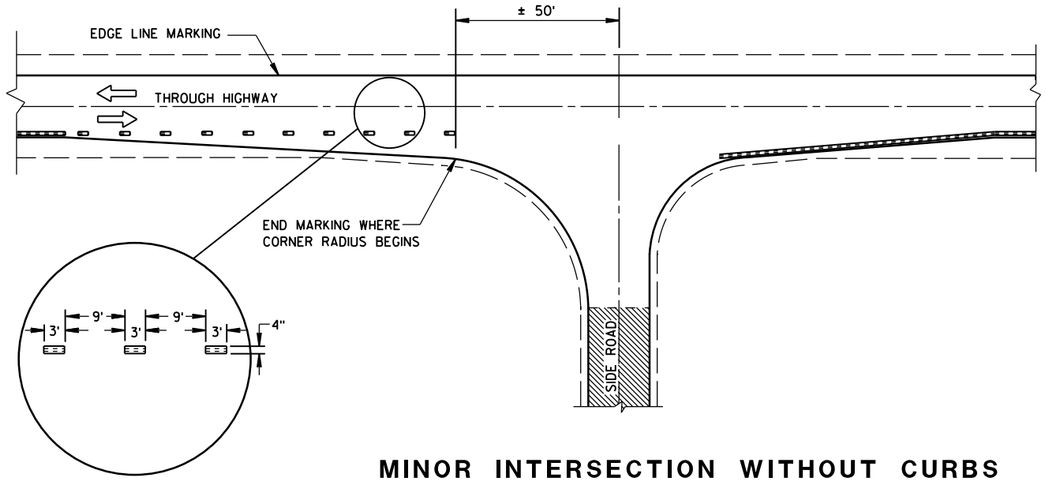
APPROVED
10-1-2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 C 8-15a

6

S.D.D. 15 C 8-15a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

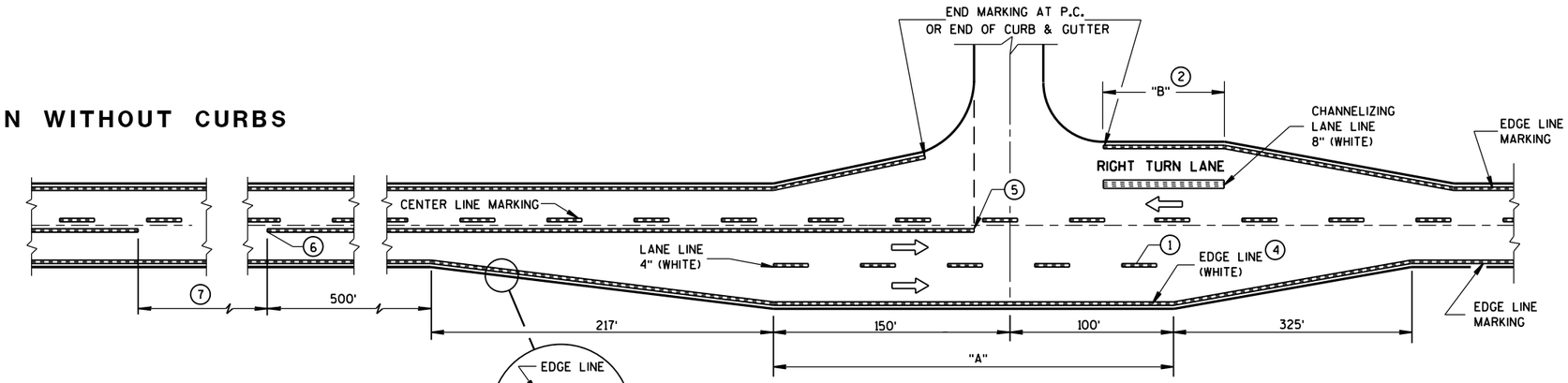
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

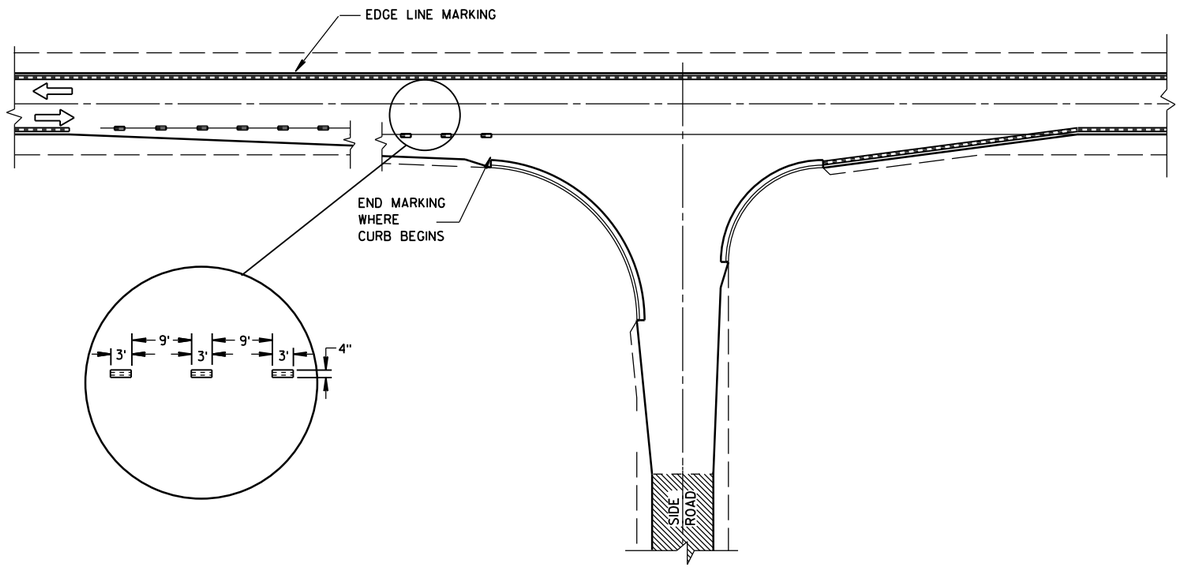
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



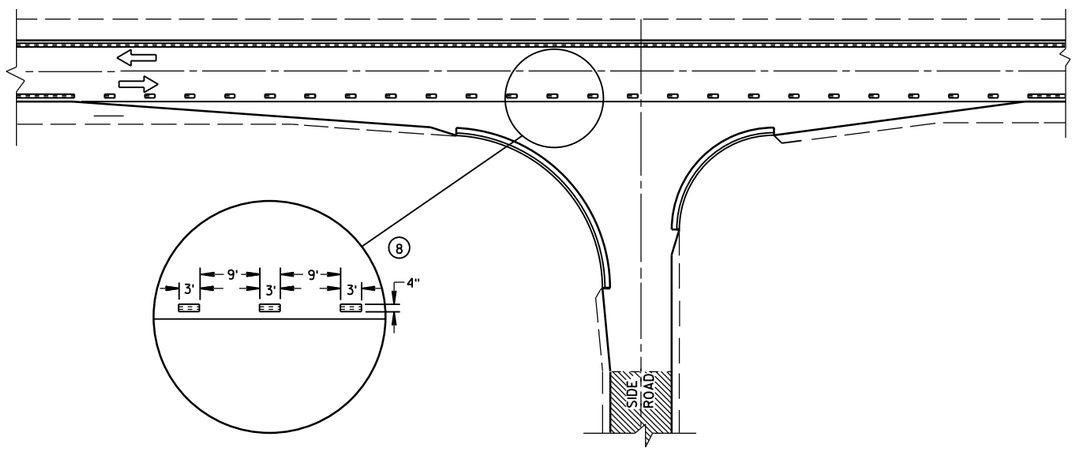
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

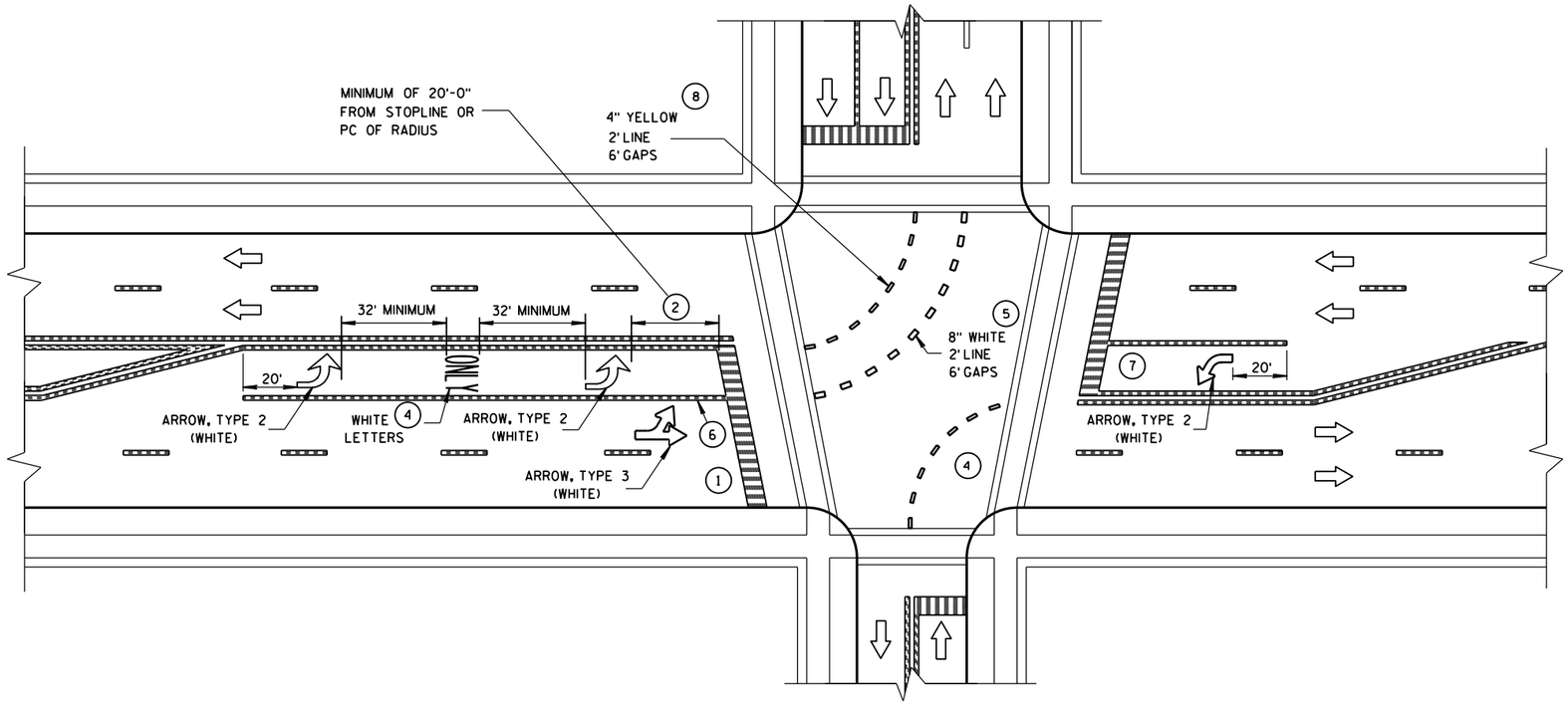
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 C 8-15b

6

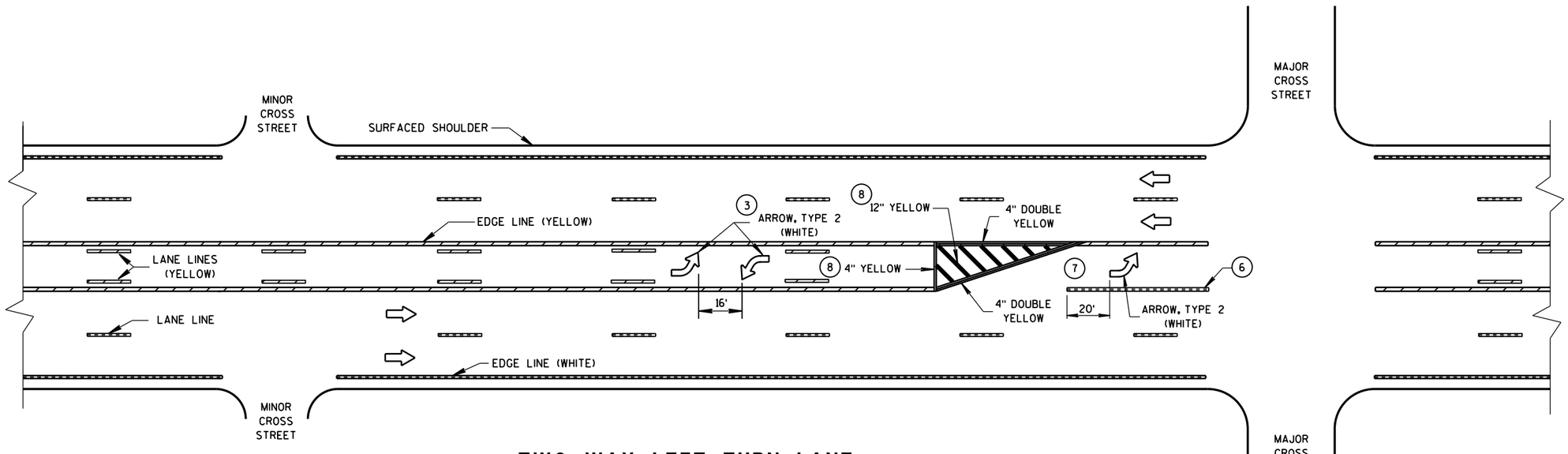
S.D.D. 15 C 8-15b



GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400' OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA ARROW AND ONLY PER 160' OR WHEN ON A CURVE.
5. 8" WHITE WITH 2'LINE 6'GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108'.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



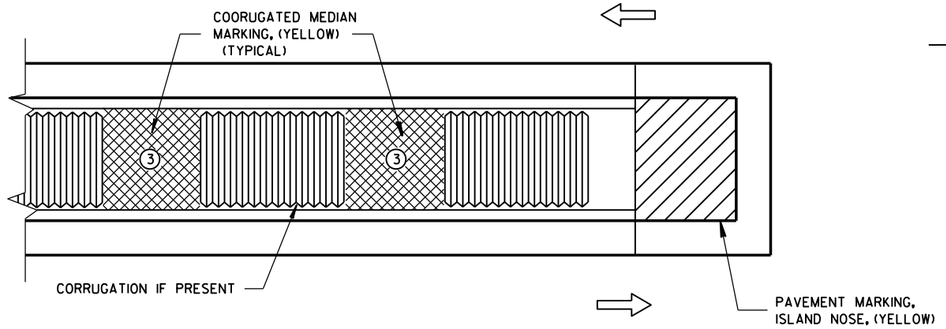
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (LEFT TURN LANE)

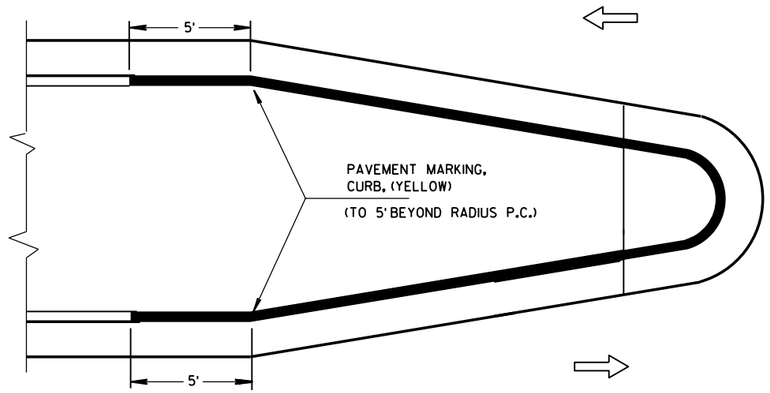
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

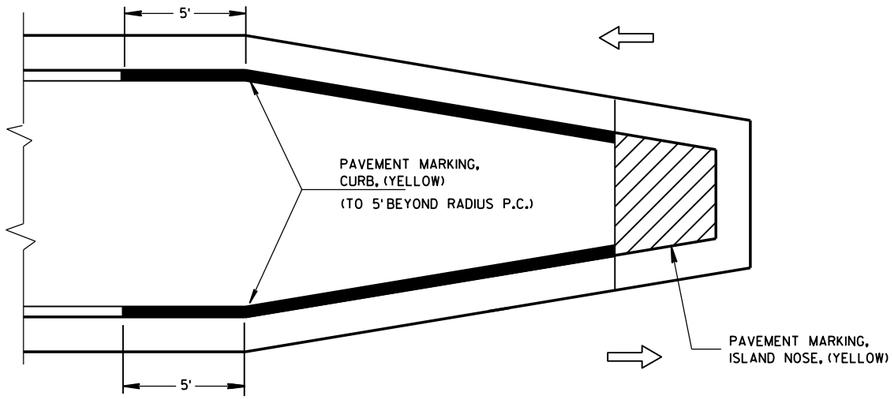
S.D.D. 15 C 8-15e
S.D.D. 15 C 8-15e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

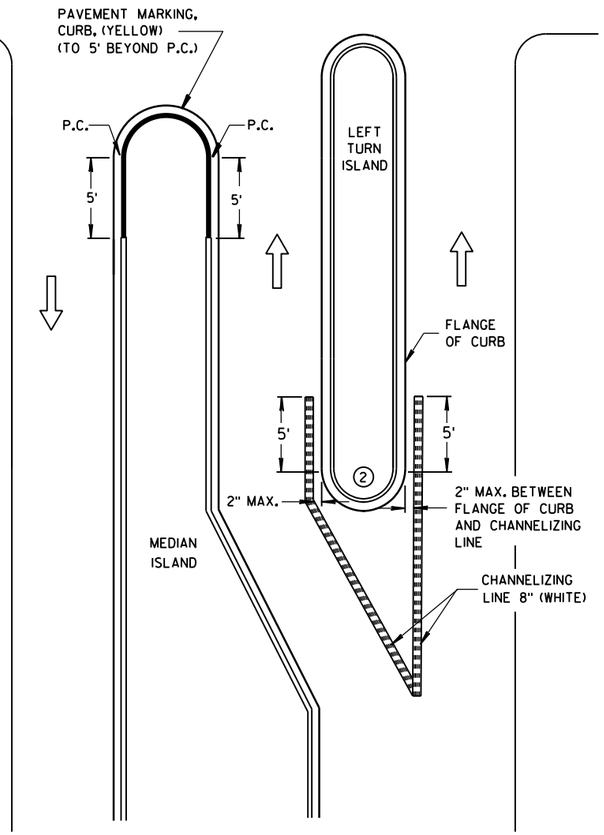


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

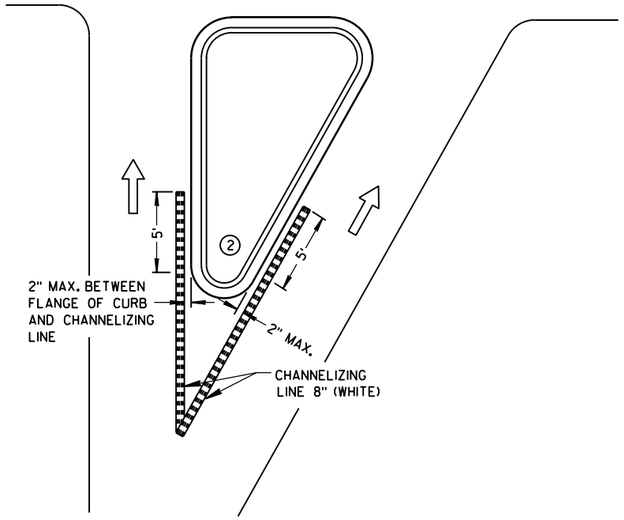
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



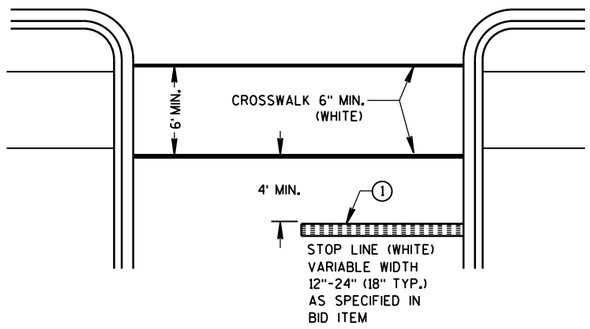
LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
3. WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND



STOP LINE AND CROSSWALK

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 8-15f

6

S.D.D. 15 C 8-15f

TWO-LANE ROADWAY

SYMBOLS

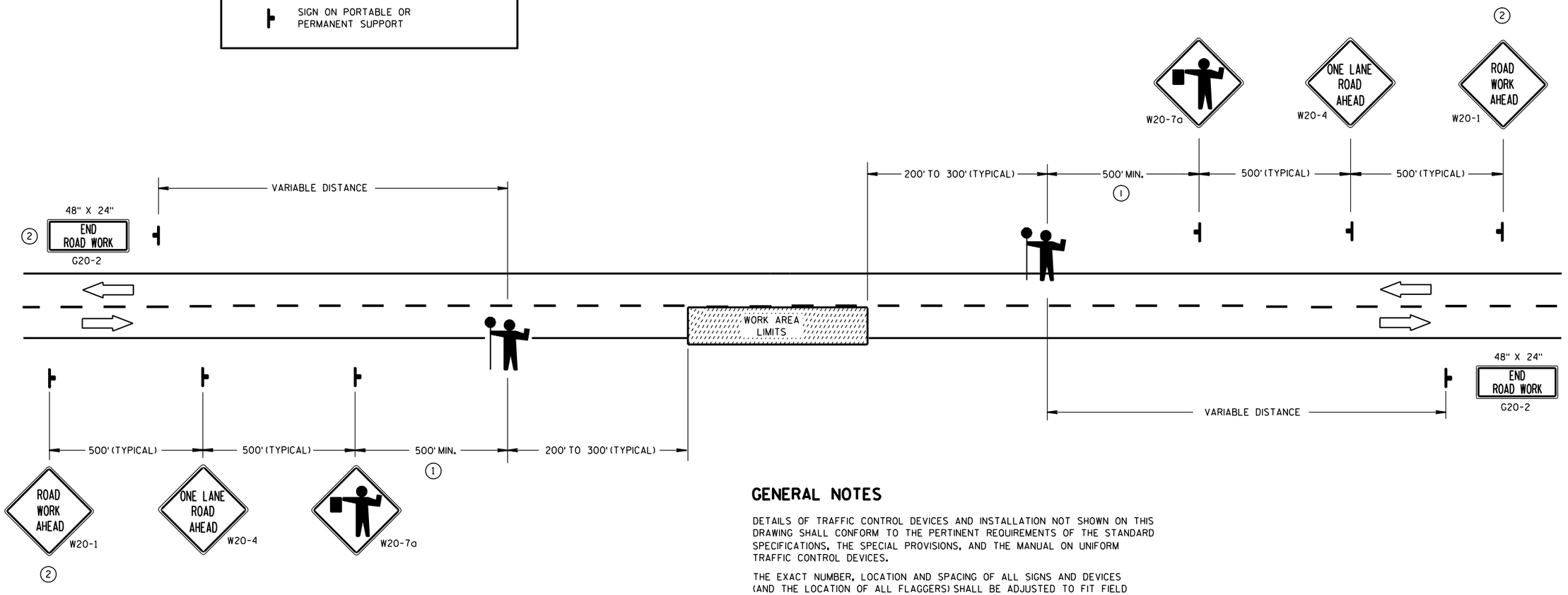
WORK AREA

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

SIGN ON PORTABLE OR PERMANENT SUPPORT

W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT 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.

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.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE 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.

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, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

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

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

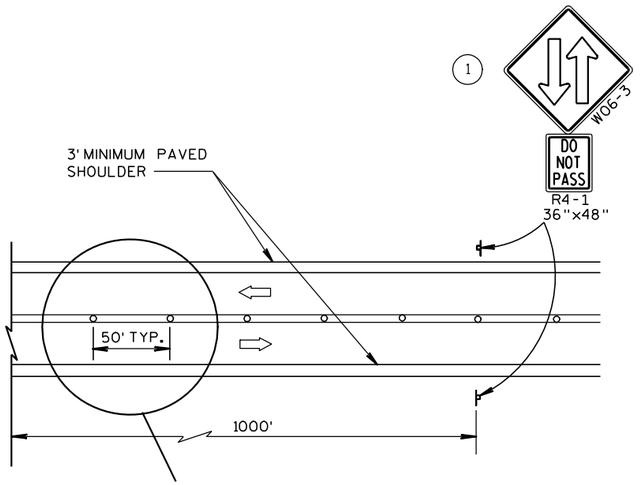
9/5/06 — DATE

/S/ Thomas N. Nathaam — STATE TRAFFIC ENGINEER

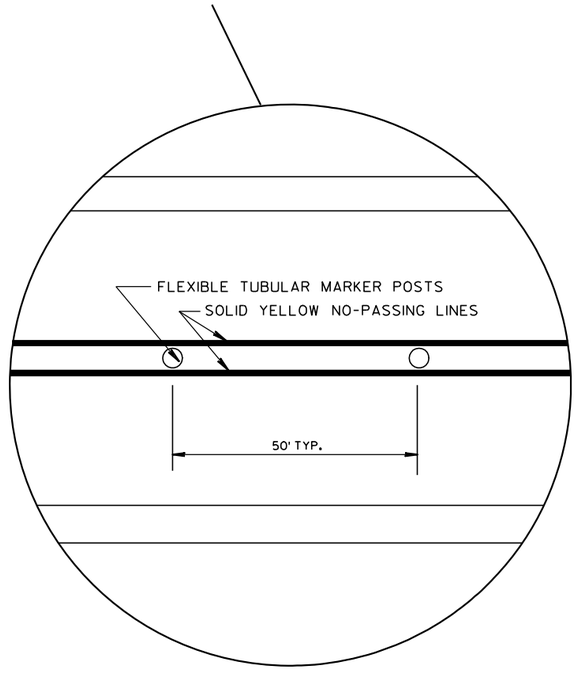
FHWA

6

S.D.D. 15 C 12-3



TWO LANE, TWO WAY OPERATION



LEGEND

- POST WITH ATTACHED SIGN
- FLEXIBLE TUBULAR MARKER AND BASE
- DIRECTION OF TRAFFIC

GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERS NOTED.

"WO" IS THE SAME AS "W" 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.

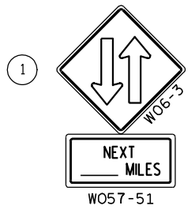
THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC @ 50' SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW.

R2-1
48"x60"
(BLACK AND WHITE)

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD **BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY** 2 OR 3 MILES.



W057-51
48"x24"

R4-1
36"x48"

THE W06-3 WITH THE W057-51 SHALL BE LOCATED 200' BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND/OR 500' BEYOND ANY SIDEROAD. THE W06-3 WITH THE R4-1 SHALL BE LOCATED 1000' BEYOND THE W06-3 AND THE W057-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN W06-3 SIGNS.

TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12-4-95
DATE

/S/ Chester J. [illegible]
DIRECTOR, OFFICE OF

FHWA

6

S.D.D. 15 D 6-2

6

S.D.D. 15 D 6-2

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

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

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

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

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 OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

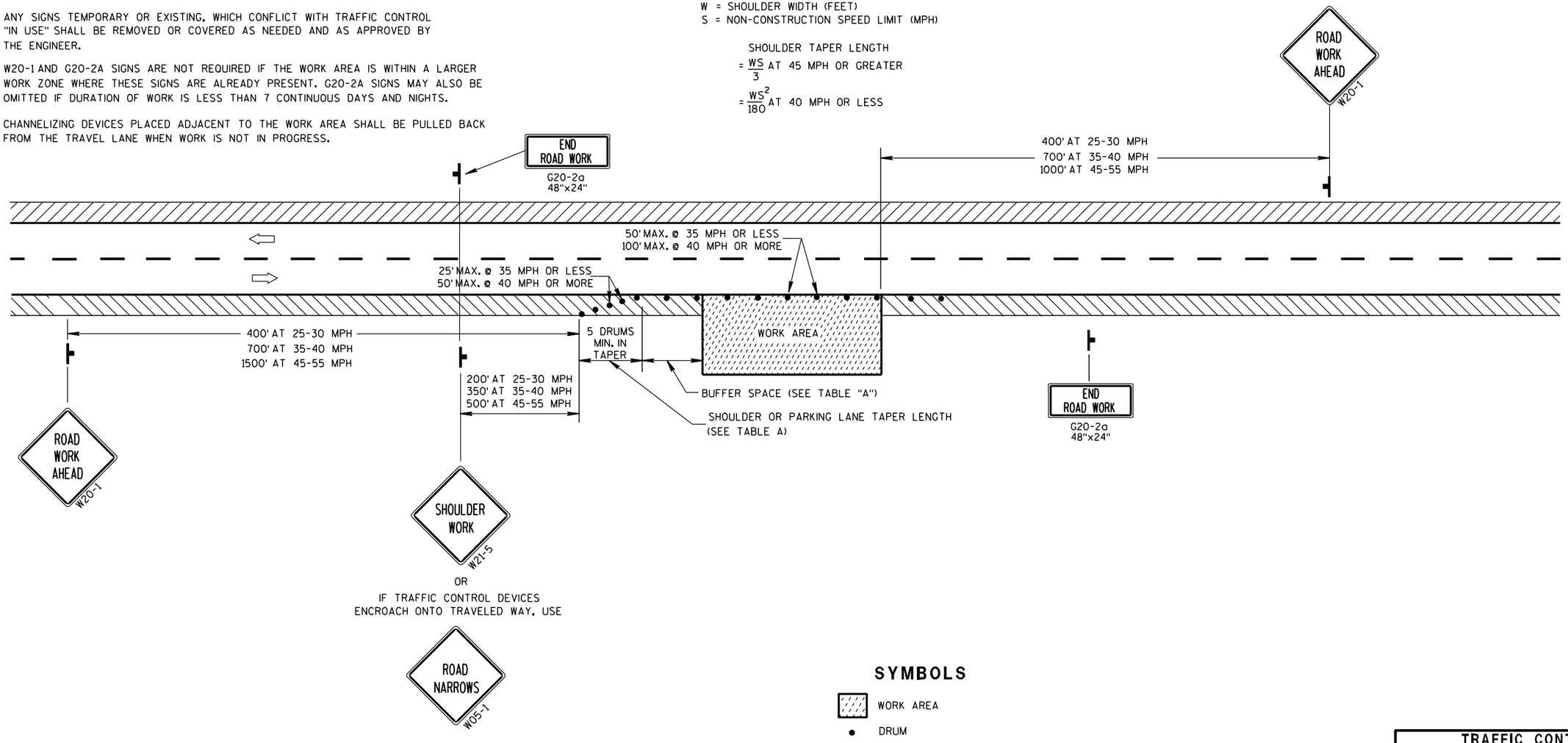
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

SHOULDER TAPER LENGTH
$= \frac{WS}{3}$ AT 45 MPH OR GREATER
$= \frac{WS^2}{180}$ AT 40 MPH OR LESS



SYMBOLS

- WORK AREA
- DRUM
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW

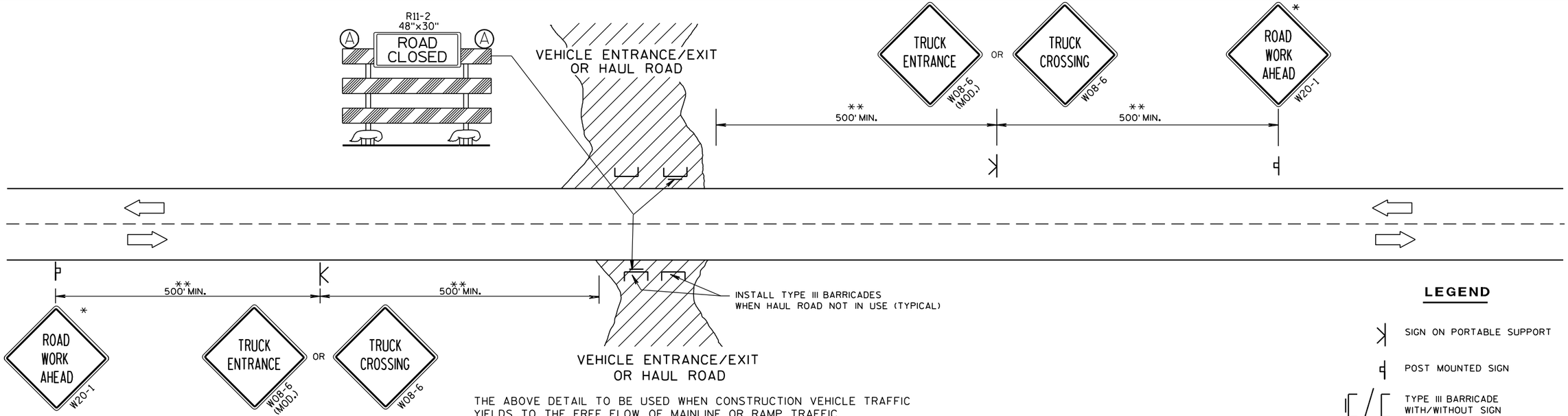
TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] ENGINEER
FHWA

6

S.D.D. 15 D 28-1



THE ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC

GENERAL NOTES

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

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

* THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE **ENTRANCE/EXIT CONDITIONS ARE SEPARATED BY MORE THAN 2 MILES** FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.

** 500' SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350'. FOR 25-30 MPH, USE 200'. USE 1000'/1500' FOR EXPRESSWAY/FREEWAY.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

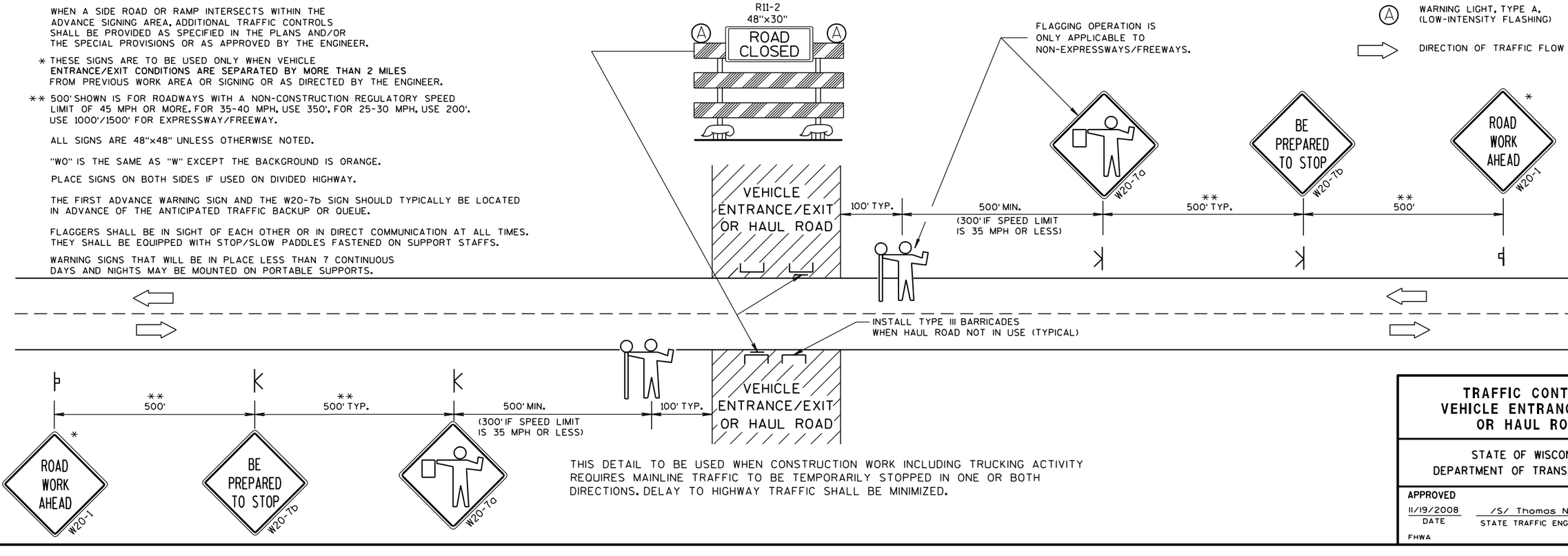
THE FIRST ADVANCE WARNING SIGN AND THE W20-7b SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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.

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

LEGEND

- SIGN ON PORTABLE SUPPORT
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH/WITHOUT SIGN
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- (A) WARNING LIGHT, TYPE A, (LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC FLOW



THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

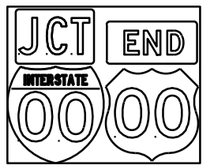
APPROVED
11/19/2008 DATE
/S/ Thomas N. N[illegible]
STATE TRAFFIC ENGINE[illegible] 109 SIGN
FHWA

6

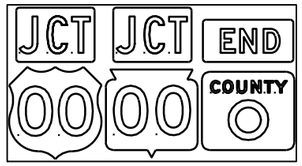
S.D.D. 15 D 29-2

TYPICAL ASSEMBLIES

J1-1

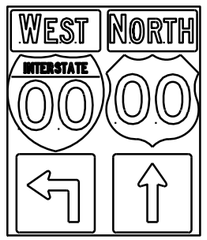


J1-2

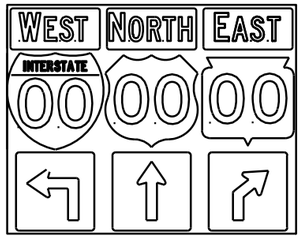


J1-3

J2-1

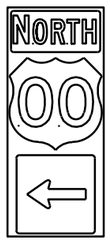


J2-2

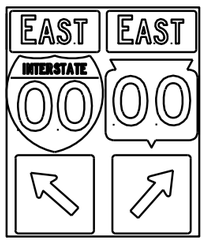


J2-3

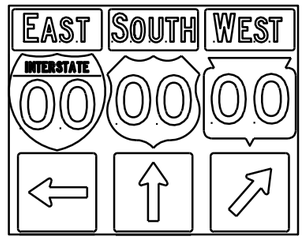
JV



J3-1

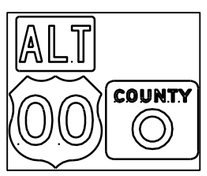


J3-2

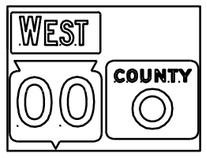


J3-3

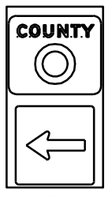
J4-1



J4-2



J4-2



J13-1

J12-1

J32-1

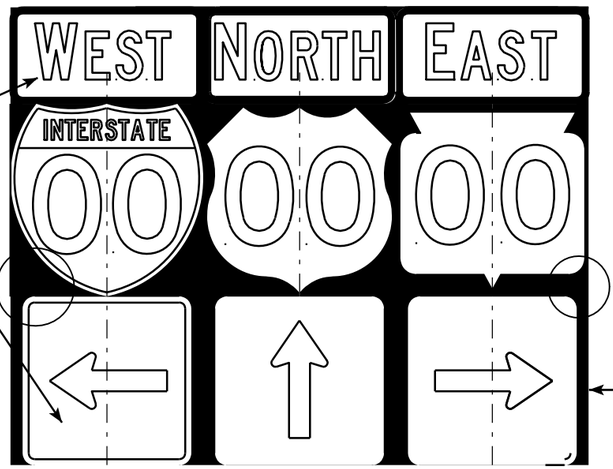
J33-1

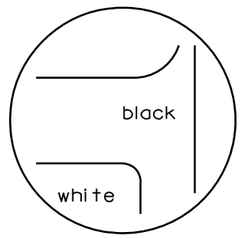
J23-1

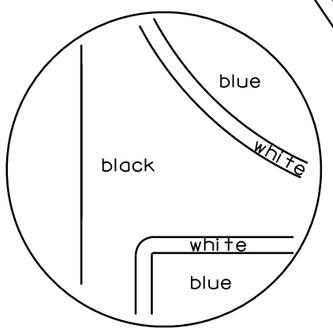
J22-1

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square since base material is plywood.
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.







ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/21/09 PLATE NO. A2-1S.6

7

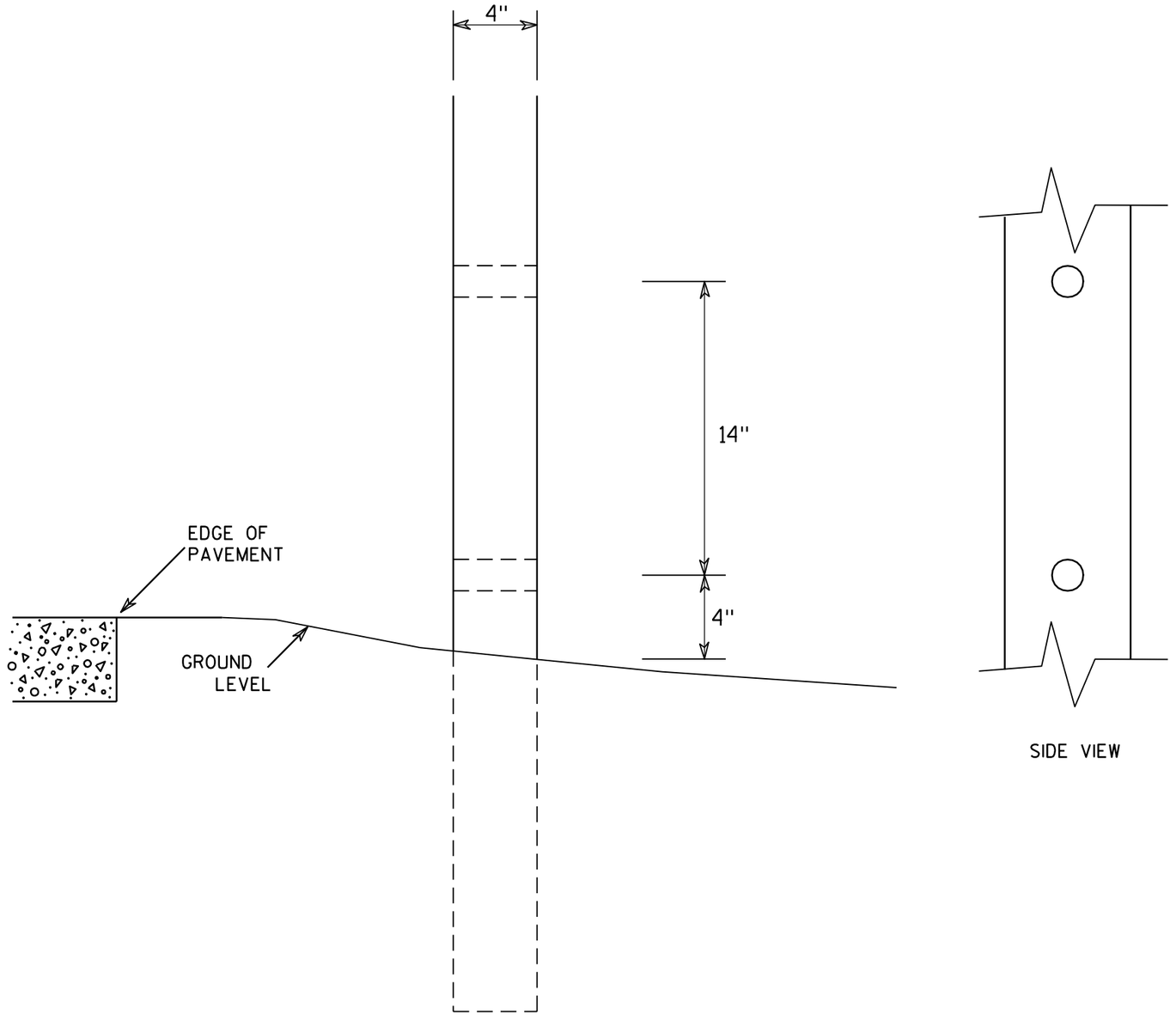
7

PROJECT NO:

SHEET NO: 110 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\A21S.DGN PLOT DATE : 21-OCT-2009 09:27 PLOT BY : ditjph PLOT NAME :

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

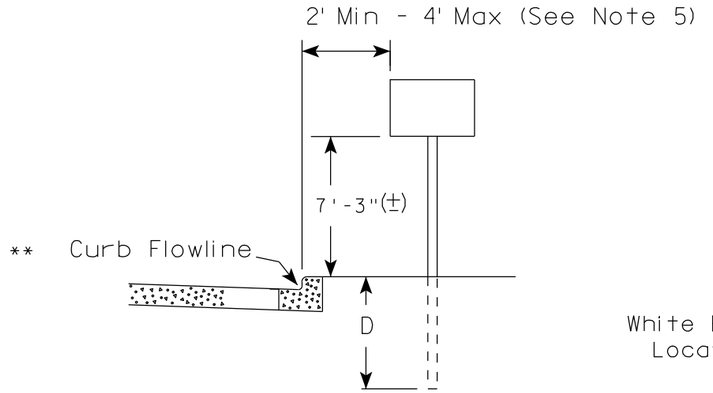
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

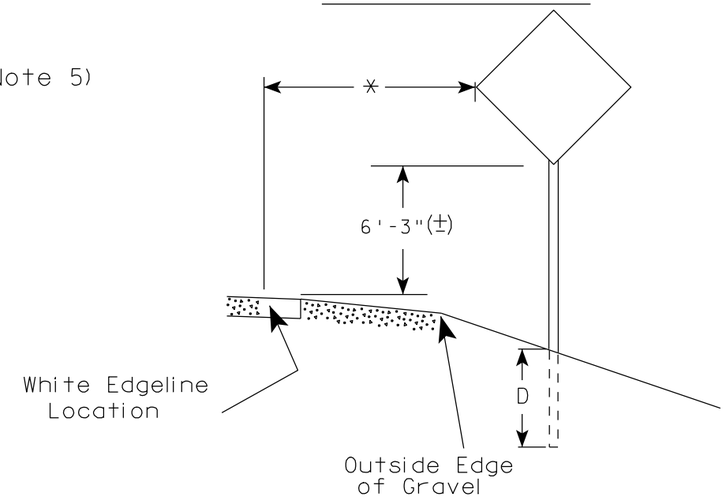
DATE 3/27/97 PLATE NO. A4-11.2

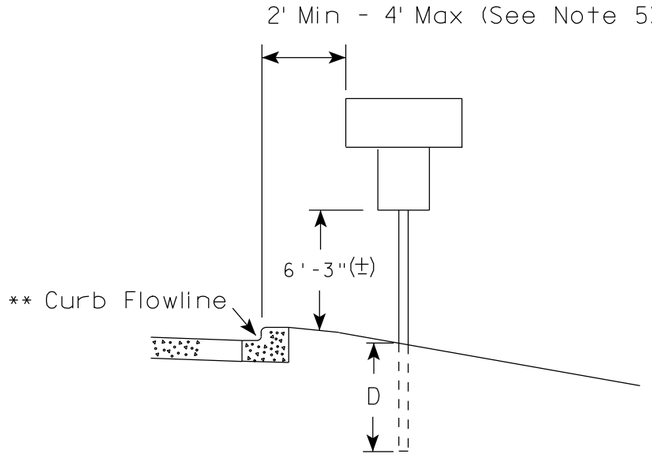
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 111	E

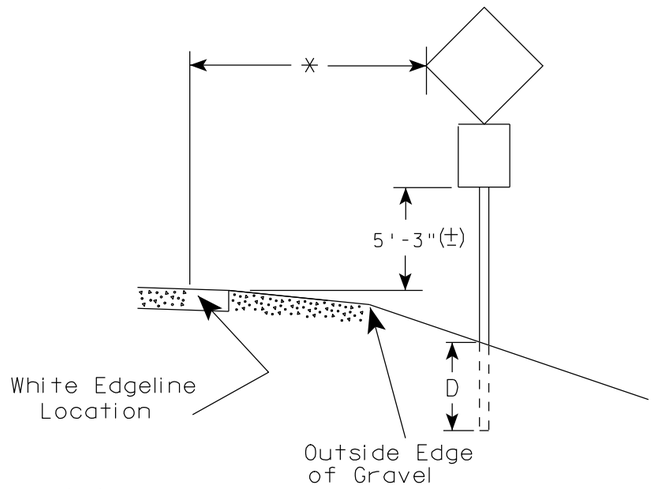
URBAN AREA



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.

GENERAL NOTES

1. Signs wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
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 J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
9. 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) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

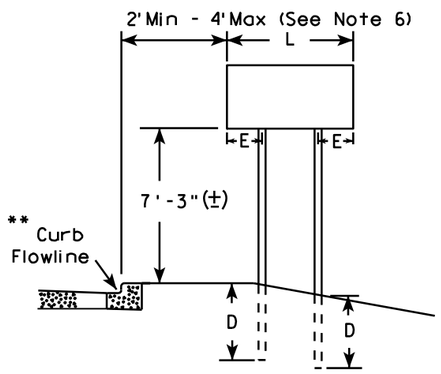
DATE 9/21/2011 PLATE NO. A4-3.16

7

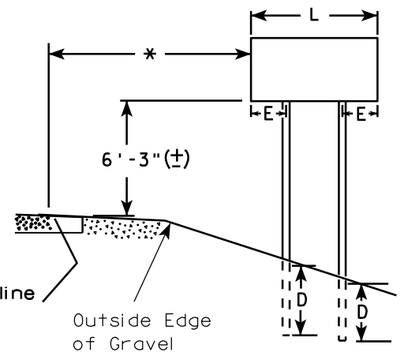
7

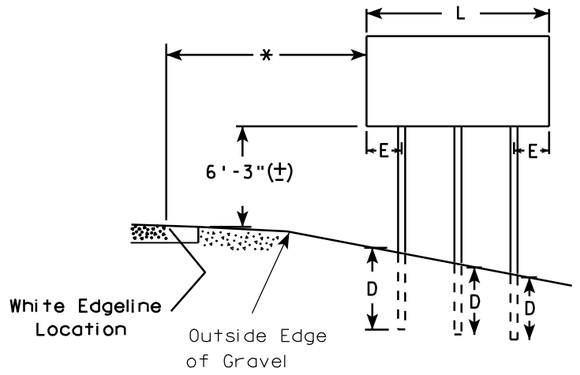
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 112	E

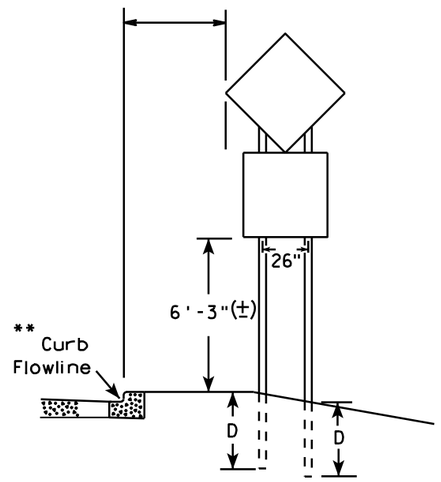
URBAN AREA



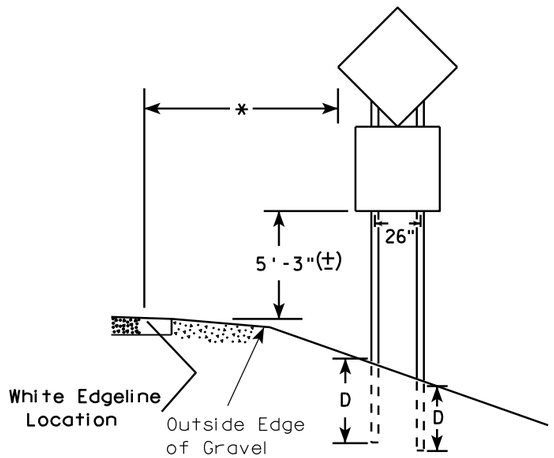
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. For multiple 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. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding stop signs (R1-1F) 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) & End of Road Markers (W5-56 & W5-56A) 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 or 20 S.F. or less in area.

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

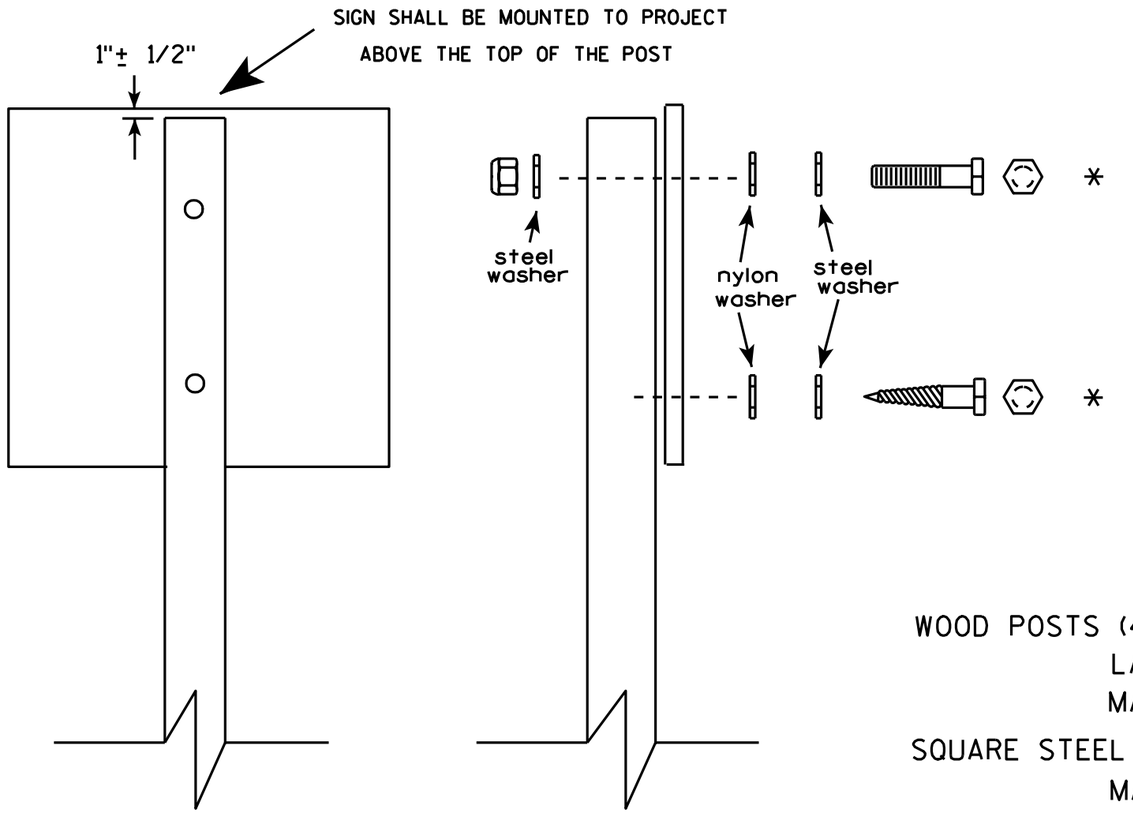
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-4.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 113	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\A44.DGN PLOT DATE : 21-SEP-2011 13:36 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 109.249131:1.000000

WISDOT/CADDS SHEET 42



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

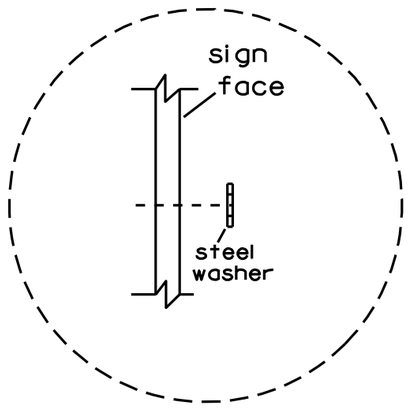
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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 POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
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 for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* 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.

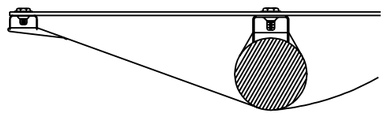
ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

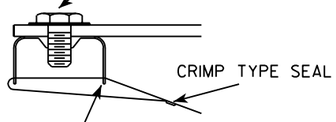
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

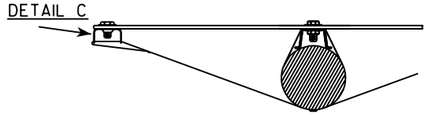
BRACE BANDING

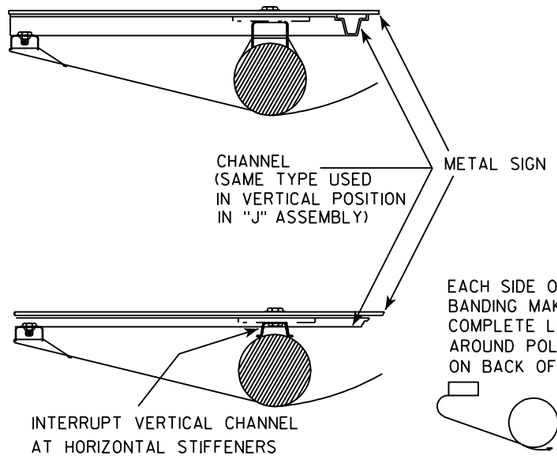


DETAIL C
CADMIUM PLATED STEEL BOLT
THROUGH BLACK BORDER



DETAIL C

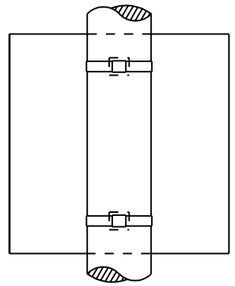


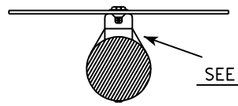


EACH SIDE OF BRACE
BANDING MAKES ONE
COMPLETE LOOP
AROUND POLE-SEAL
ON BACK OF POLE

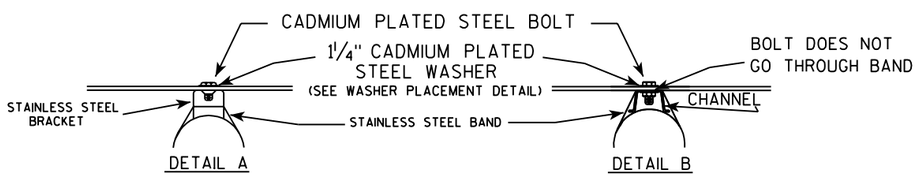
BRACKET BANDING

SINGLE SIGN

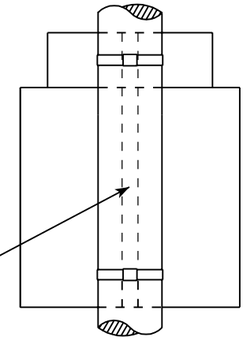




SEE DETAIL A



"J" ASSEMBLY

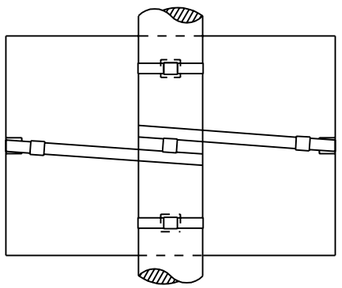


CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

SEE DETAIL B

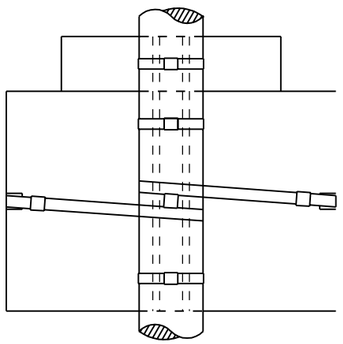
GENERAL NOTES

1. Signs 4' or greater in width shall have one brace band installed at the center of the sign.
2. Signs 3' or greater in height shall have three bracket bands installed. Signs less than 3' 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.

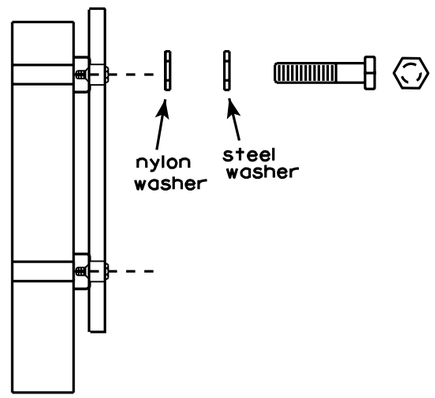


BRACE BANDING

BRACE BANDING SHALL BE TIGHTENED FIRMLY BUT NOT SO TIGHT AS TO APPRECIABLY CURVE FACE OF SIGN.



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/08/05 PLATE NO. A5-9.2

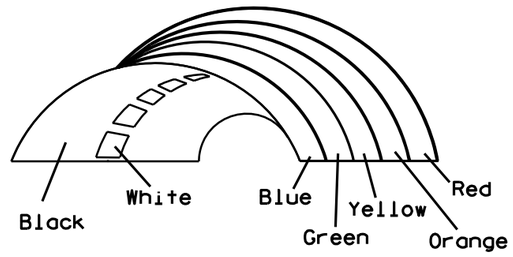
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 115	E

* VARIES

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 - (See Note 6)
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Border - Blue
   Line 1 - Red
   Line 2 - Black
   Line 3-5 - Blue
6. Line 1 - Dutch 8011L
   Line 2 - Series E
   Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

Background Colors of Symbol*



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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

STANDARD SIGN
I55-56

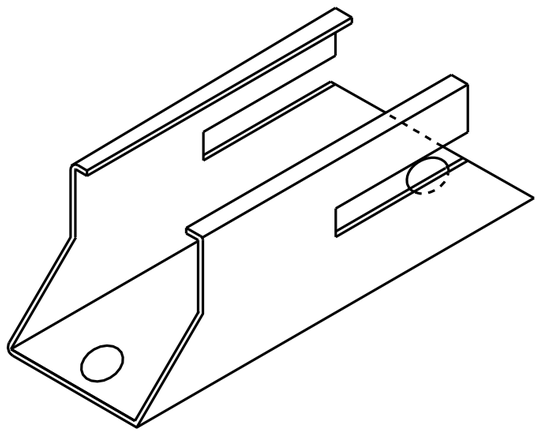
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/27/11 PLATE NO. 155-56.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 116

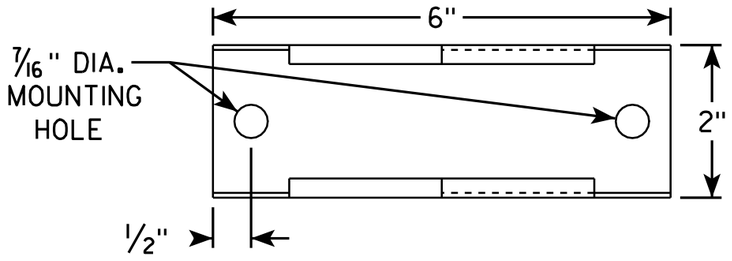
ISOMETRIC VIEW



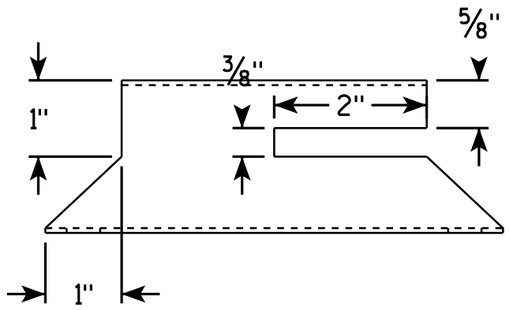
NOTES

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.

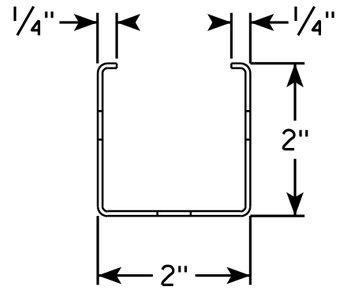
TOP VIEW



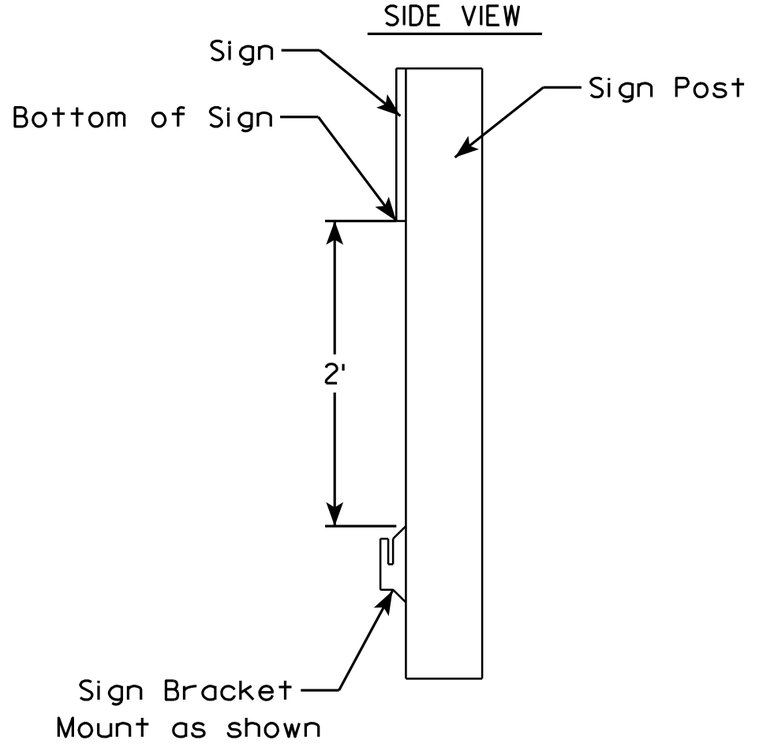
SIDE VIEW



END VIEW



SIDE VIEW



7

7

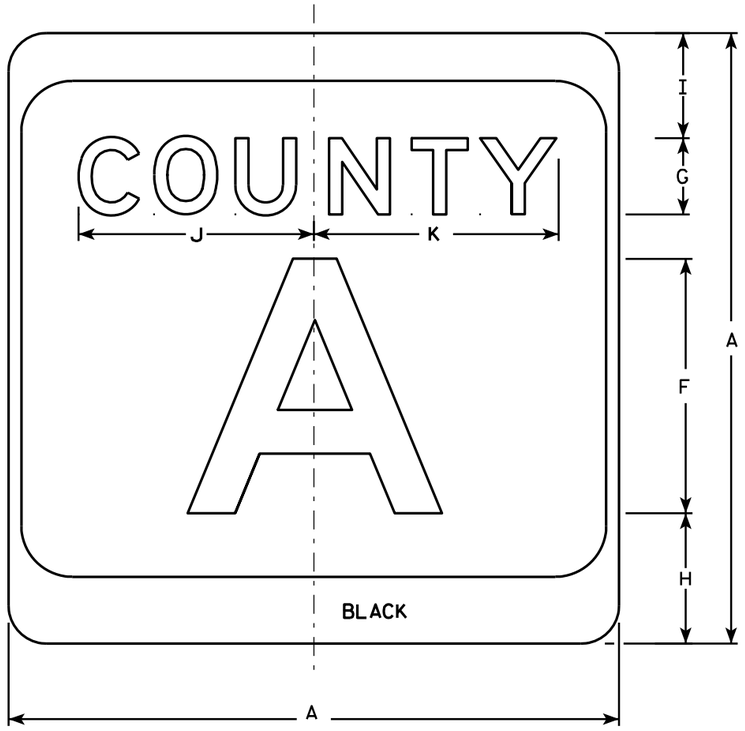
ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

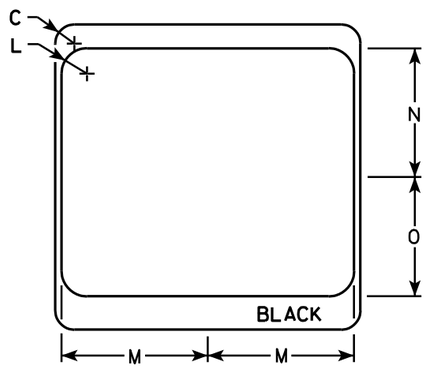
APPROVED Matthew R Rauch
for State Traffic Engineer

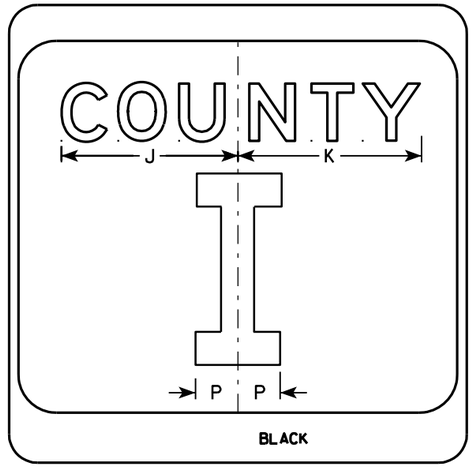
DATE 2/5/10 PLATE NO. I55-56B.1

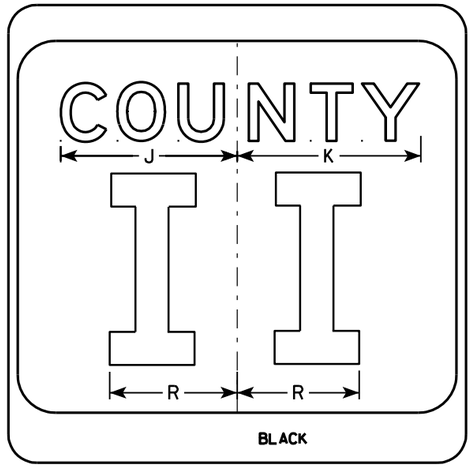
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 117	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

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

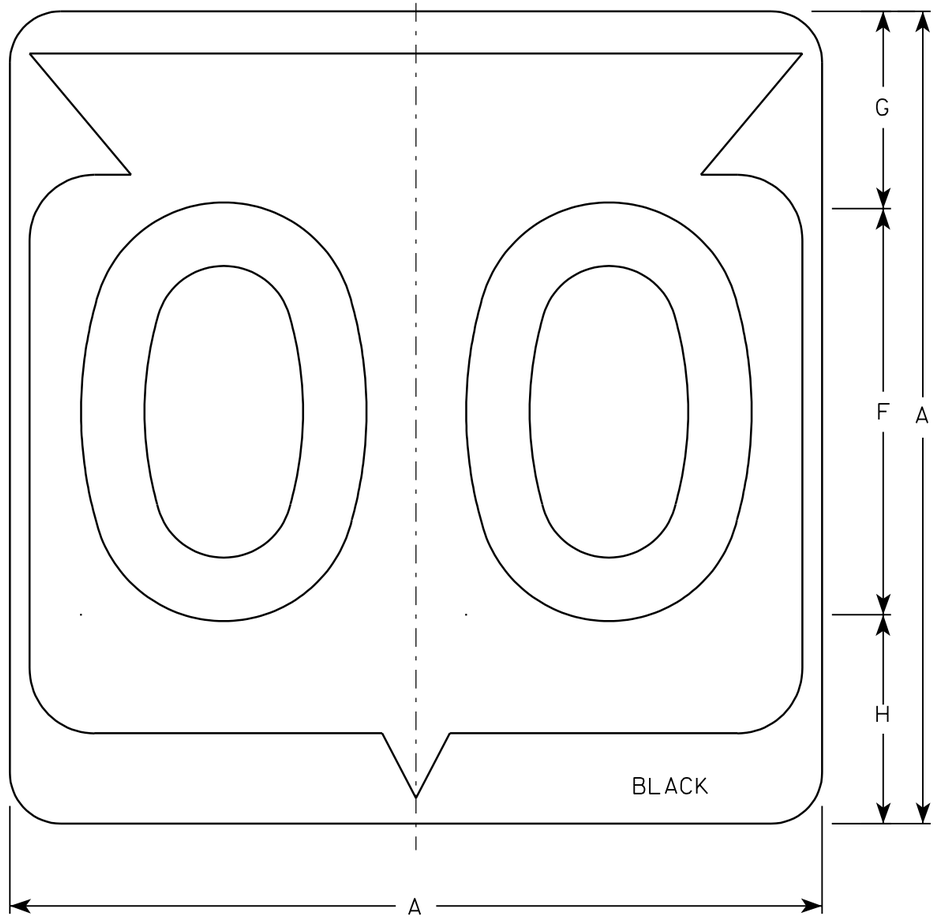
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

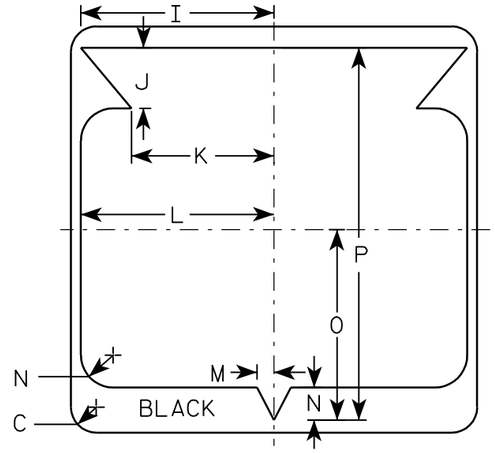
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 118	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   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. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
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	.36
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	.81
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	.81
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	.81

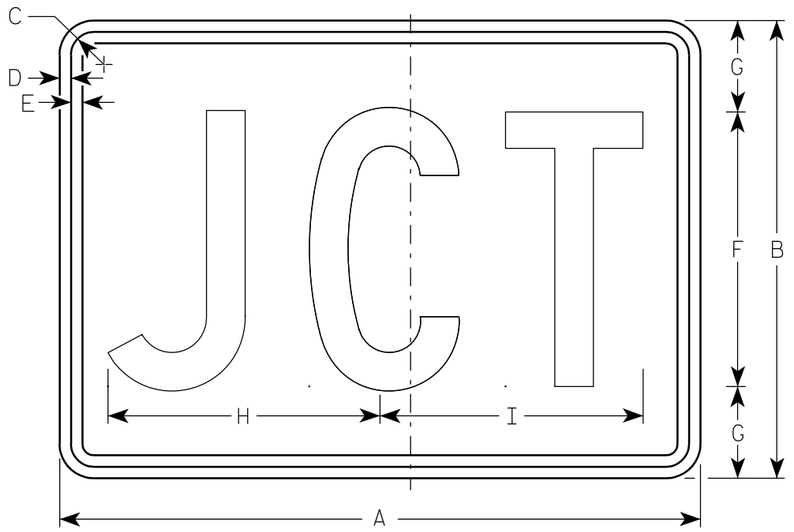
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

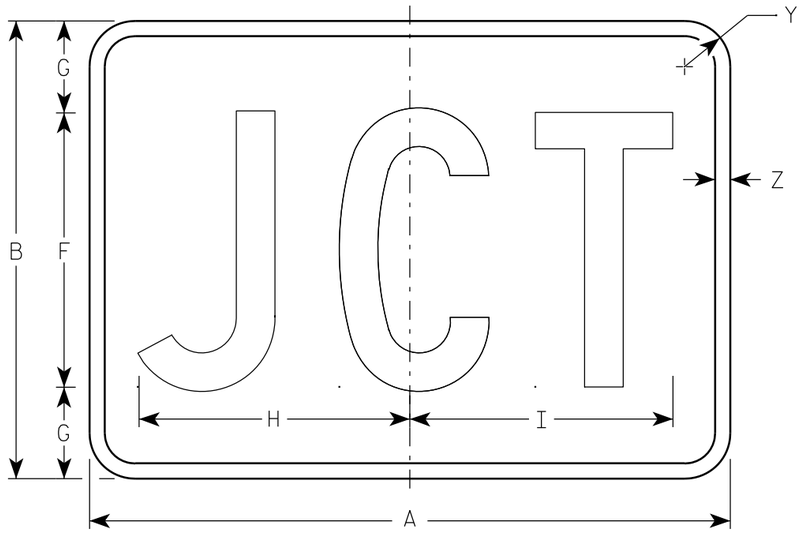
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 119	E



M2-1
MK2-1
MM2-1
MR2-1



MB2-1
MG2-1
MN2-1

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 - Type H Reflective
   (Detour or temporary Signs - Reflective)
   Message - Black
   MB2-1 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary Signs - Reflective)
   MG2-1 Background - Green
   Message - White - Type H Reflective
   MK2-1 Background - Green
   Message - White - Type H Reflective
   MM2-1 Background - White - Type H Reflective
   Message - Green
   MN2-1 Background - Brown
   Message - White - Type H Reflective
   MR2-1 Background - Brown
   Message - Yellow - Type H Reflective

Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 375 mm
3	750 mm X 525 mm
4	750 mm X 525 mm
5	750 mm X 525 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
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	0.20
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	0.20
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	0.20
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	0.20

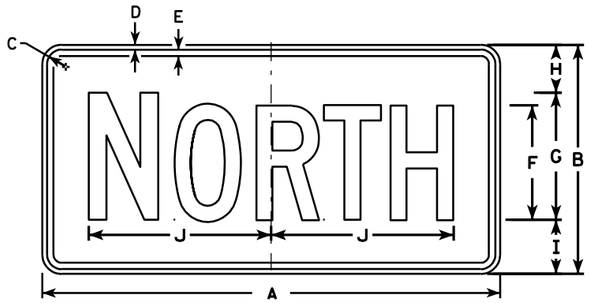
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

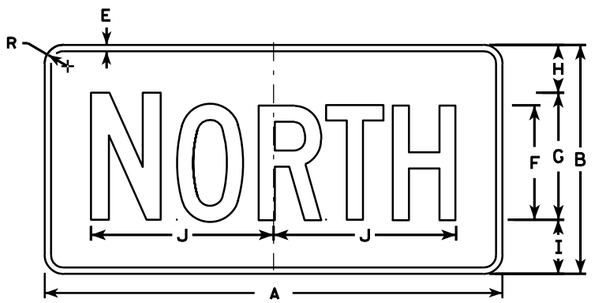
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M2-1.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 120	E



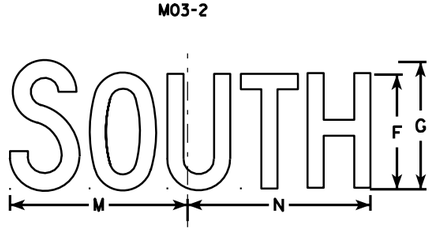
M3-1
MK3-1
MO3-1



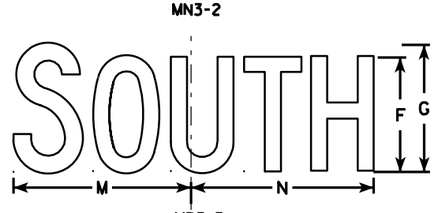
MB3-1
MG3-1
MM3-1
MN3-1

M3-2
MK3-2
MO3-2

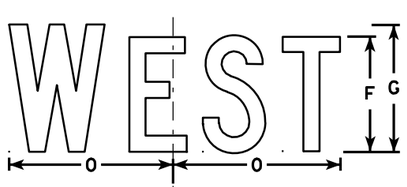
MB3-2
MG3-2
MM3-2
MN3-2



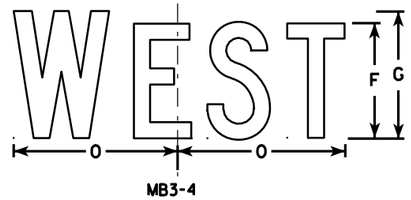
M3-3
MK3-3
MO3-3



MB3-3
MG3-3
MM3-3
MN3-3



M3-4
MK3-4
MO3-4



MB3-4
MG3-4
MM3-4
MN3-4

NOTES

1. All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 - Type H Reflective
   (Detour or temporary signs - Reflective)
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary signs - Reflective)
   MG3-1 thru MG3-4 Background - Green
   Message - White - Type H Reflective
   MK3-1 thru MK3-4 Background - Green
   Message - White - Type H Reflective
   MM3-1 thru MM3-4 Background - White - Type H Reflective
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White - Type H Reflective
   M03-1 thru M03-4 Background - Orange - Reflective
   Message - Black
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

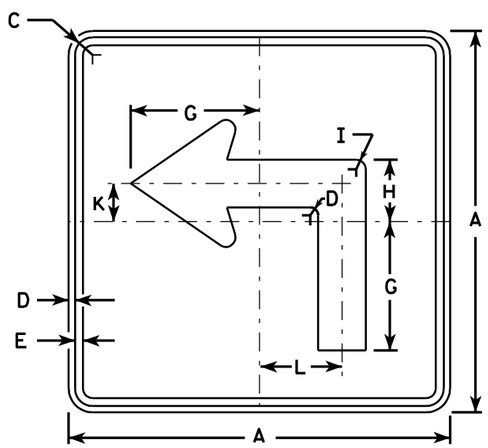
STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

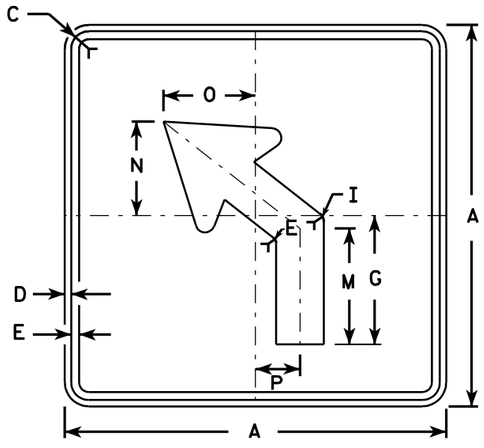
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12

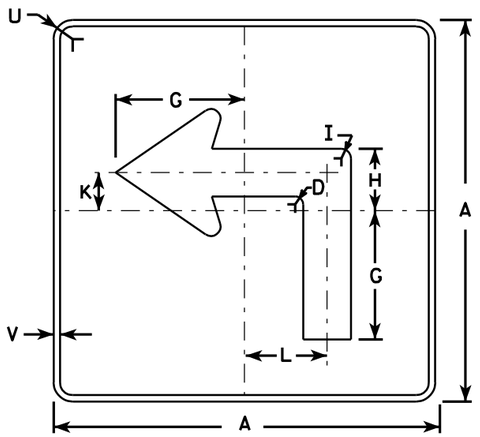
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 121	E



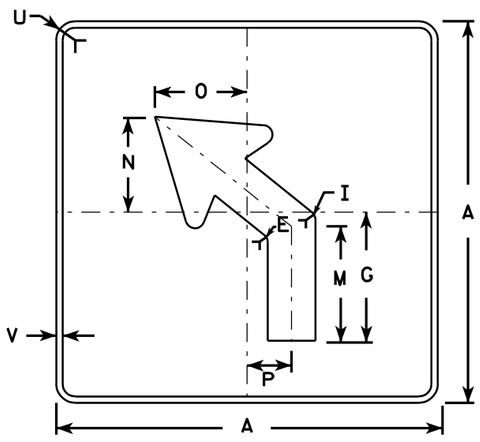
M5-1L
MK5-1L
MM5-1L
MO5-1L
MR5-1L



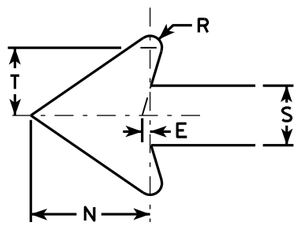
M5-2L
MK5-2L
MM5-2L
MO5-2L
MR5-2L



MB5-1L
MG5-1L
MN5-1L



MB5-2L
MG5-2L
MN5-2L



NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 - Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
   MB5-1 and MB5-2 Background - Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
   MG5-1 and MG5-2 Background - Green Message - White - Type H Reflective
   MK5-1 and MK5-2 Background - Green Message - White Type H Reflective
   MM5-1 and MM5-2 Background - White - Type H Reflective Message - Green
   MN5-1 and MN5-2 Background - Brown Message - White - Type H Reflective
   MO5-1 and MO5-2 Background - Orange - Reflective Message - Black
   MR5-1 and MR5-2 Background - Brown Message - Yellow - Type H Reflective
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m²
1																												
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	0.28
3	30		1 3/8	1/2	5/8		10 1/8	4 1/8	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	0.56
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	0.56
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	0.56

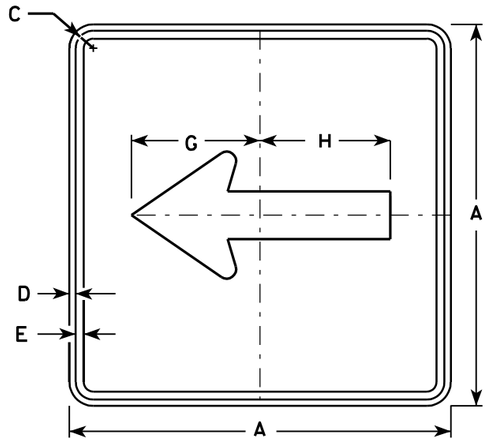
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

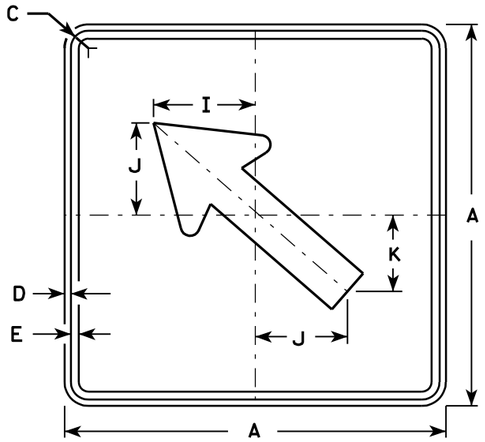
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M5-1.11

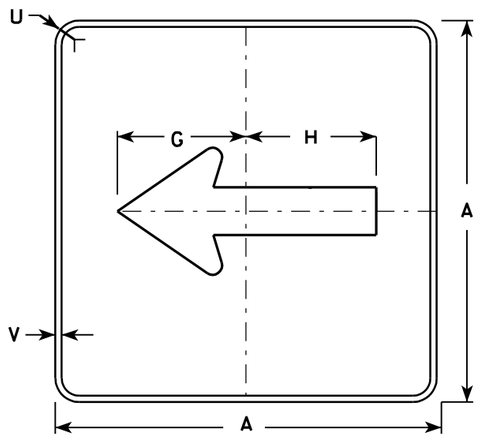
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 122	E



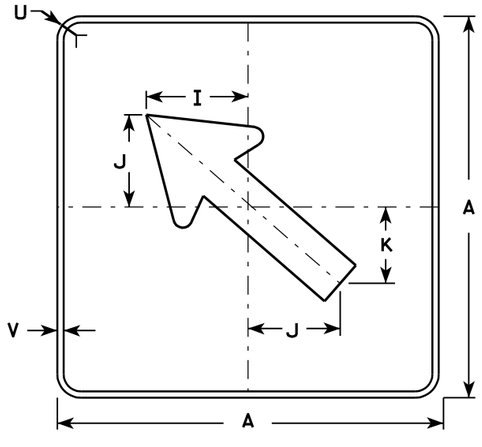
M6-1
MK6-1
MM6-1
MO6-1
MR6-1



M6-2
MK6-2
MM6-2
MO6-2
MR6-2



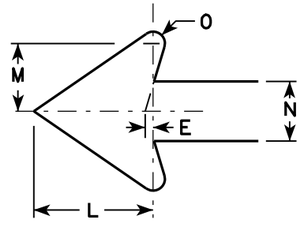
MB6-1
MG6-1
MN6-1



MB6-2
MG6-2
MN6-2

NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 - Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
   MB6-1 and MB6-2 Background - Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
   MG6-1 and MG6-2 Background - Green Message - White - Type H Reflective
   MK6-1 and MK6-2 Background - Green Message - White - Type H Reflective
   MM6-1 and MM6-2 Background - White - Type H Reflective Message - Green
   MN6-1 and MN6-2 Background - Brown Message - White - Type H Reflective
   MO6-1 and MO6-2 Background - Orange - Reflective Message - Black
   MR6-1 and MR6-2 Background - Brown Message - Yellow - Type H Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
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	0.28
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	0.56
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	0.56
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	0.56

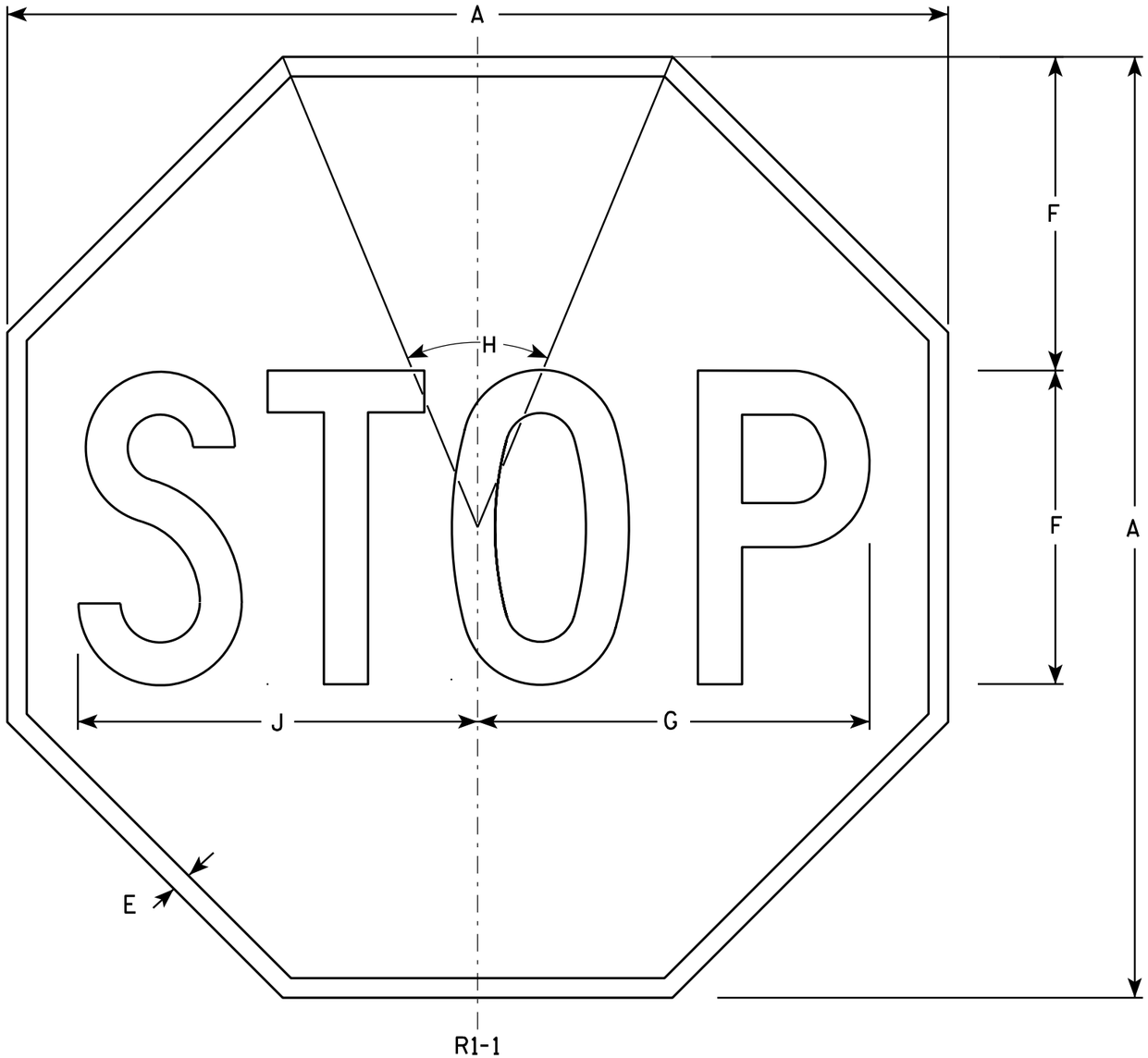
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 123	E



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
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

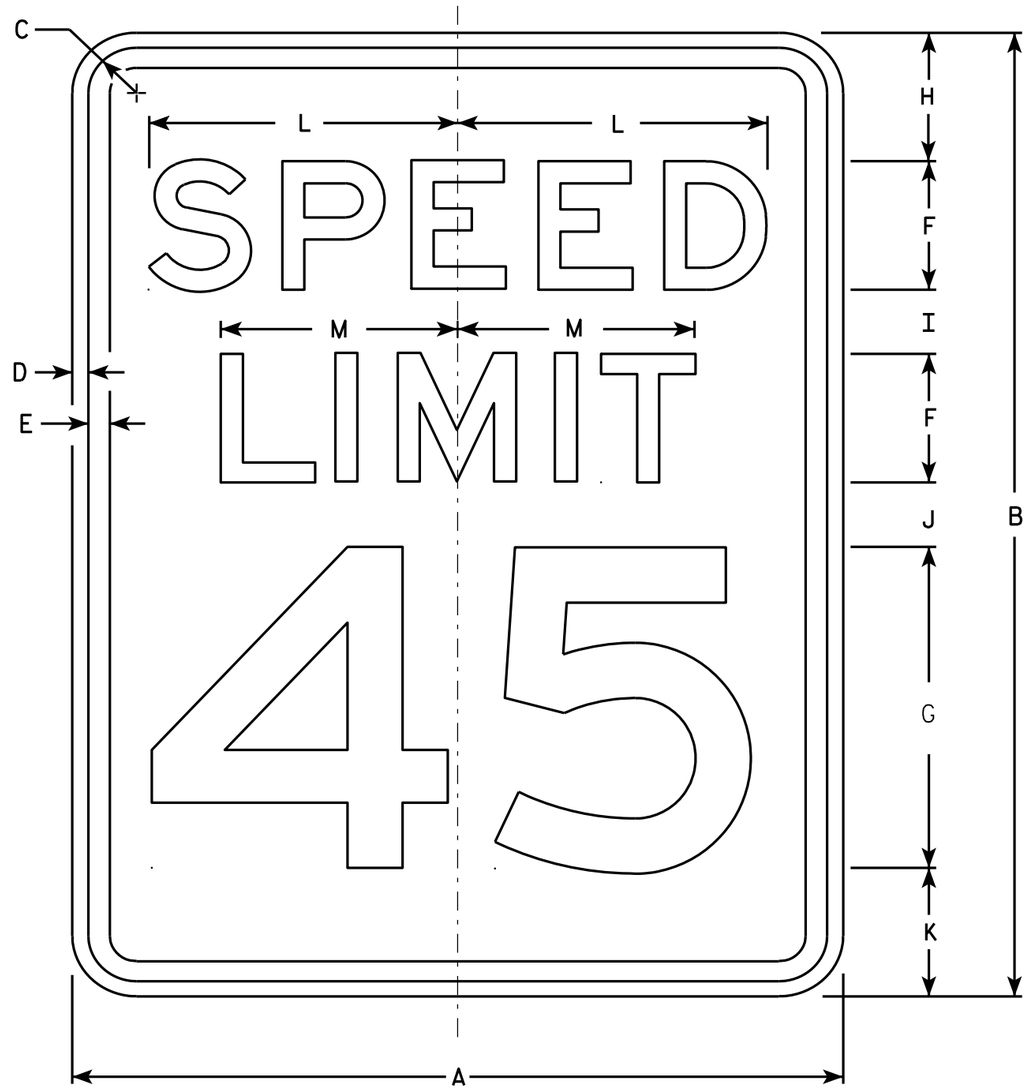
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 124	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

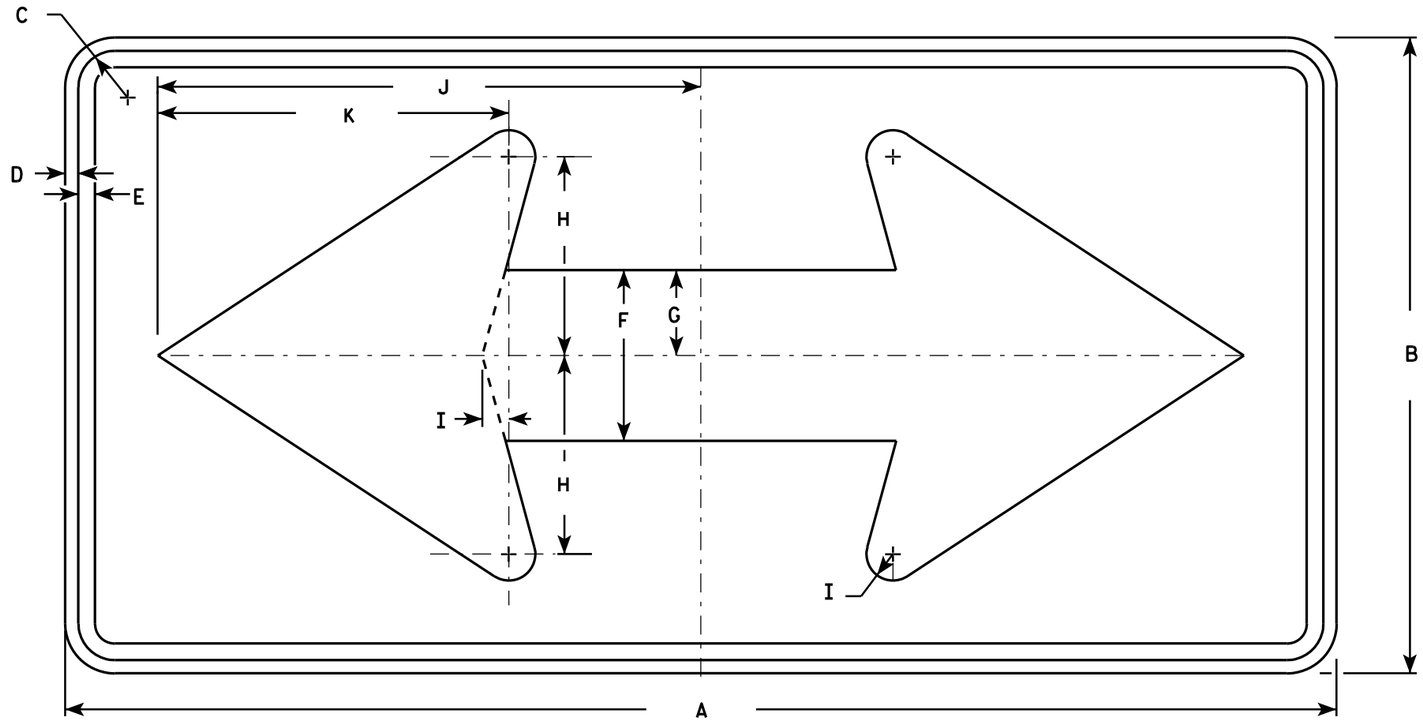
STANDARD SIGN
R2-1

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: 125 | E



W1-7

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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

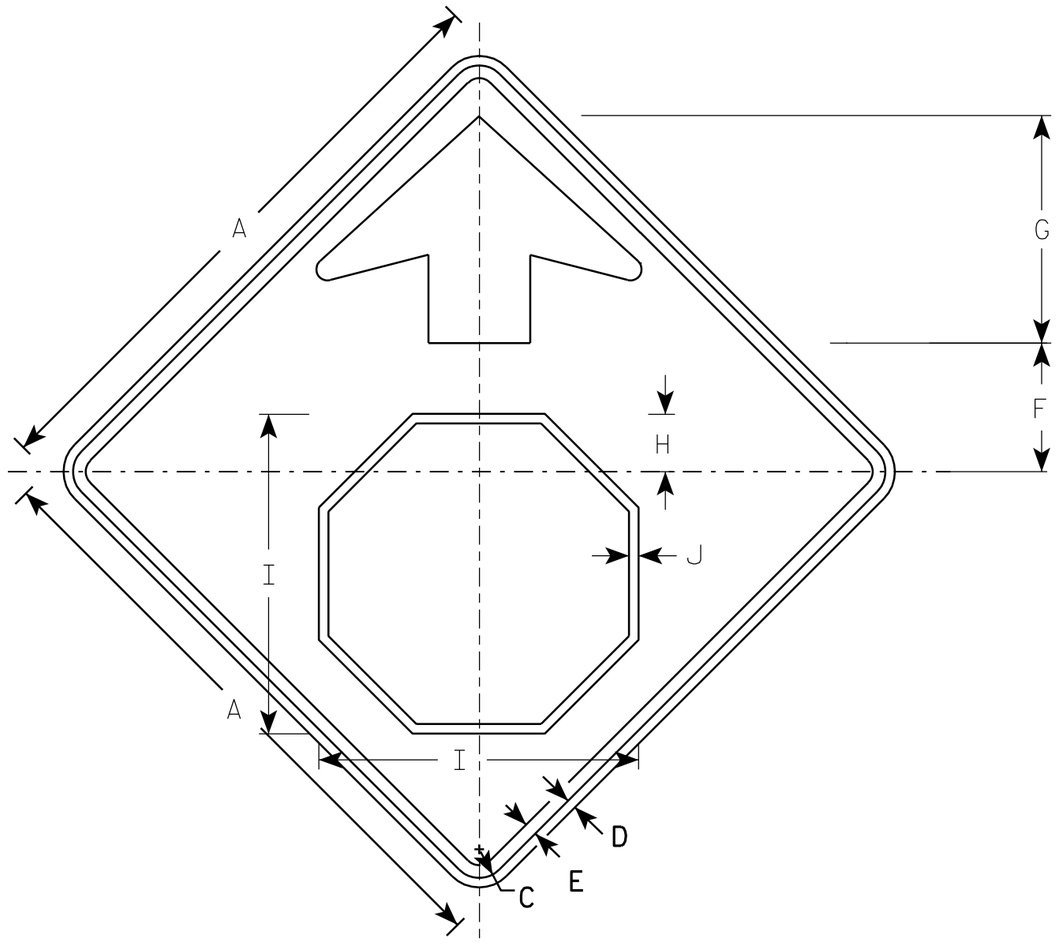
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

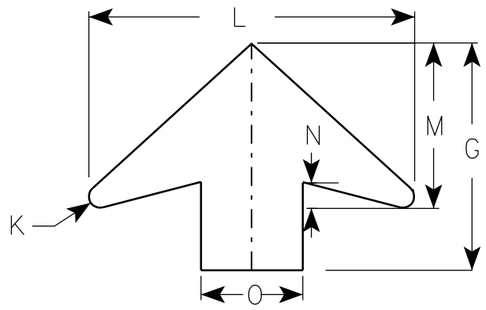
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 126 | E



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

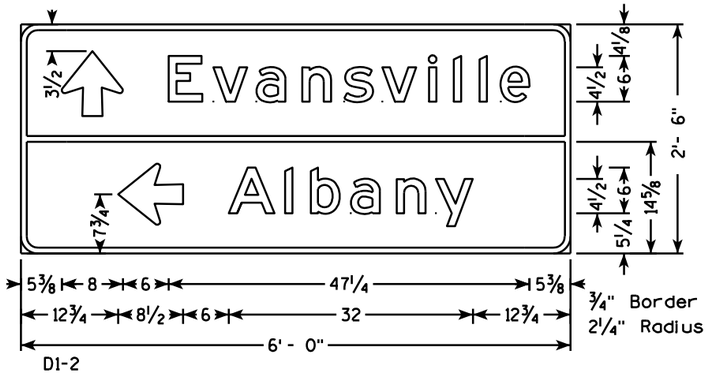
WISCONSIN DEPT OF TRANSPORTATION

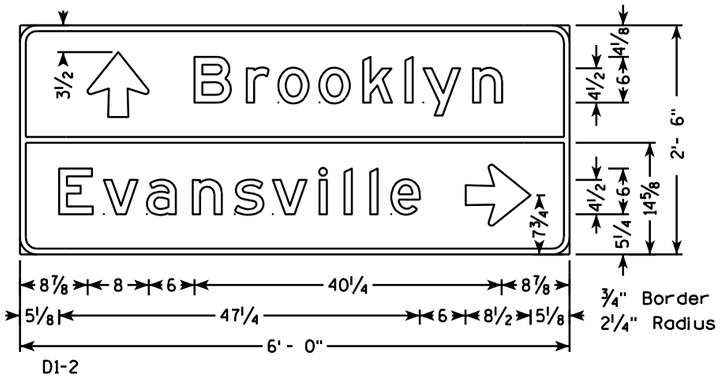
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

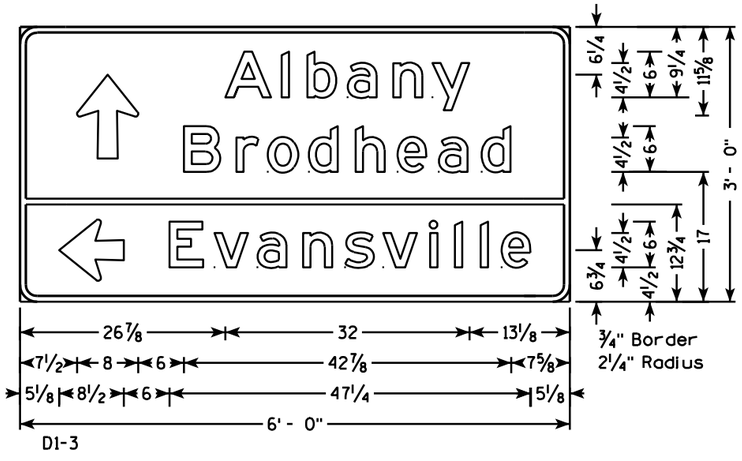
SHEET NO: 127 E

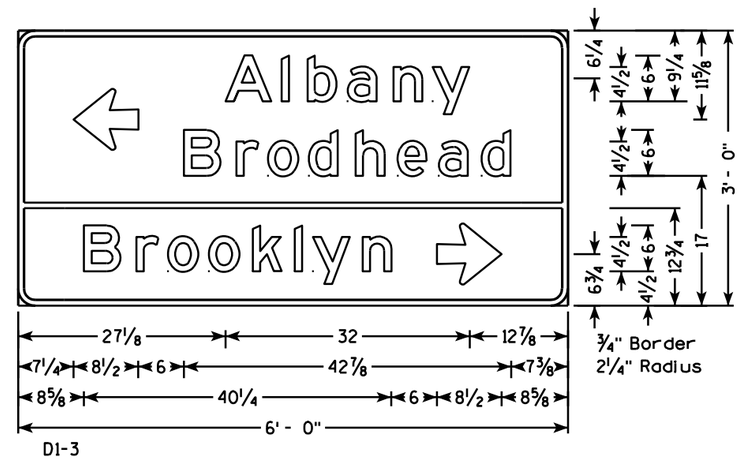


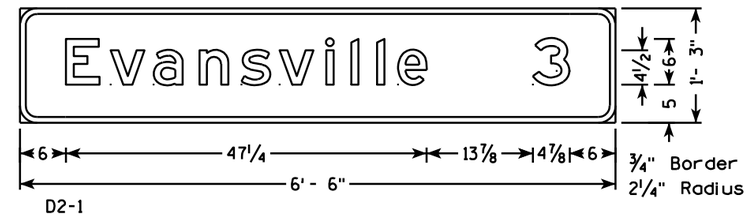


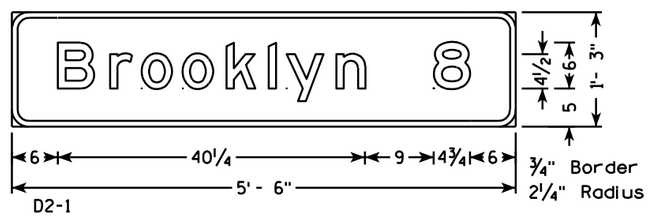
NOTES

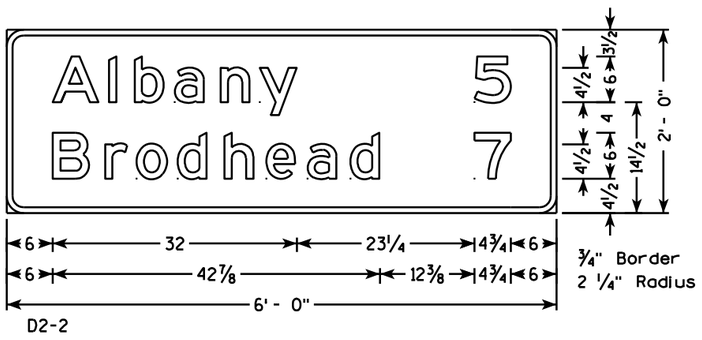
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E

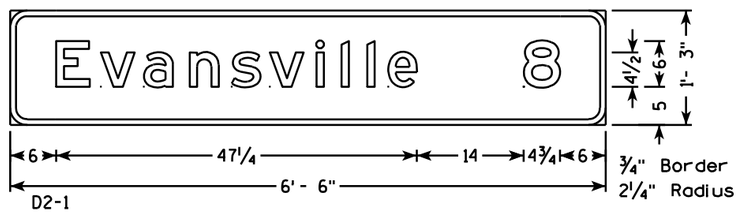












7

7

PROJECT NO: 5670-00-74	HWY: STH 59	COUNTY: ROCK, GREEN	PERMANENT SIGNING	SHEET NO: 128	E

STH 104 EARTHWORK

STATION	END AREA (S.F.) CUT	END AREA (S.F.) EXP. FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) EXP. FILL	CUM. VOLUMES (C.Y.) CUT	CUM. VOLUMES (C.Y.) EXP. FILL	MASS HAUL
14+89	48.06	0.00					
15+00	48.06	56.65	19.58	11.54	19.58	11.54	8.04
15+50	43.71	82.15	84.97	128.52	104.55	140.06	-35.50
16+00	41.19	100.94	78.62	169.53	183.17	309.59	-126.42
16+50	53.77	102.39	87.93	188.27	271.11	497.86	-226.75
17+00	52.00	115.45	97.94	201.70	369.04	699.56	-330.52
17+50	52.28	95.32	96.55	195.15	465.59	894.71	-429.12
18+00	53.30	73.64	97.76	156.44	563.35	1051.15	-487.80
18+50	54.73	72.78	100.03	135.57	663.38	1186.73	-523.34
19+00	61.94	62.07	108.03	124.86	771.41	1311.59	-540.18
19+50	70.73	55.85	122.85	109.18	894.26	1420.77	-526.51
20+00	75.41	52.86	135.31	100.66	1029.57	1521.43	-491.86
20+50	79.56	39.92	143.49	85.91	1173.05	1607.34	-434.29
21+00	100.79	29.57	166.99	64.34	1340.05	1671.68	-331.63
21+50	172.48	38.45	253.03	62.98	1593.08	1734.66	-141.58
22+00	216.11	9.30	359.80	44.21	1952.88	1778.87	174.01
22+50	186.62	14.21	372.90	21.77	2325.78	1800.64	525.13
23+00	186.55	20.33	345.53	31.99	2671.31	1832.63	838.67
23+50	106.74	11.93	271.56	29.87	2942.87	1862.51	1080.36
24+00	117.38	9.49	207.51	19.83	3150.38	1882.34	1268.04
24+50	122.16	10.55	221.80	18.56	3372.18	1900.90	1471.28
25+00	126.55	6.34	230.29	15.64	3602.47	1916.54	1685.93
25+50	107.89	10.64	217.07	15.72	3819.54	1932.26	1887.28
26+00	82.41	24.85	176.21	32.86	3995.74	1965.12	2030.62
26+50	72.47	50.13	143.41	69.43	4139.15	2034.54	2104.61
27+00	19.66	109.65	85.30	147.95	4224.45	2182.49	2041.96

CONTINUED

STH 104 EARTHWORK (CONTINUED)

STATION	END AREA (S.F.) CUT	END AREA (S.F.) EXP. FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) EXP. FILL	CUM. VOLUMES (C.Y.) CUT	CUM. VOLUMES (C.Y.) EXP. FILL	MASS HAUL
27+50	0.00	101.81	18.20	195.80	4242.66	2378.30	1864.36
28+00	0.00	218.49	0.00	296.57	4242.66	2674.87	1567.78
28+50	21.84	220.62	20.23	406.58	4262.88	3081.45	1181.43
29+00	6.21	216.84	25.97	405.06	4288.86	3486.51	802.34
29+50	5.63	199.46	10.96	385.46	4299.82	3871.98	427.84
30+00	9.36	230.74	13.88	398.33	4313.70	4270.31	43.39
30+50	2.19	183.80	10.70	383.84	4324.40	4654.15	-329.75
31+00	18.49	134.93	19.16	295.12	4343.56	4949.27	-605.71
31+50	43.43	96.43	57.34	214.22	4400.90	5163.49	-762.59
32+00	71.03	66.83	105.98	151.16	4506.87	5314.65	-807.78
32+50	109.39	21.78	167.06	82.04	4673.93	5396.69	-722.76
33+00	150.39	3.83	240.54	23.71	4914.47	5420.41	-505.94
33+50	203.87	0.00	328.02	3.55	5242.49	5423.95	-181.46
34+00	237.07	0.00	408.28	0.00	5650.76	5423.95	226.81
34+50	236.28	0.00	438.28	0.00	6089.04	5423.95	665.09
35+00	243.17	0.00	443.94	0.00	6532.98	5423.95	1109.03
35+50	193.12	0.00	403.98	0.00	6936.96	5423.95	1513.01
36+00	150.34	0.00	318.02	0.00	7254.98	5423.95	1831.03
36+50	118.14	1.15	248.60	1.07	7503.58	5425.02	2078.55
37+00	110.53	5.28	211.74	5.95	7715.31	5430.98	2284.34
37+50	93.22	3.05	188.66	7.71	7903.98	5438.69	2465.29
38+00	66.91	40.75	148.27	40.55	8052.25	5479.24	2573.01
38+50	48.98	93.60	107.30	124.39	8159.55	5603.63	2555.92
39+00	37.79	139.09	80.35	215.46	8239.90	5819.09	2420.81
39+29	37.79	139.09	40.59	149.40	8280.49	5968.49	2312.00

8280	5968	2312
CUT	FILL	WASTE

STH 59 EARTHWORK

STATION	END AREA (S.F.) CUT	END AREA (S.F.) EXP. FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) EXP. FILL	CUM. VOLUMES (C.Y.) CUT	CUM. VOLUMES (C.Y.) EXP. FILL	MASS HAUL
10+55	48.77	72.32					
11+00	57.07	31.64	88.20	86.63	88.20	86.63	1.57
11+50	56.97	30.09	105.59	57.15	193.79	143.78	50.01
12+00	63.85	15.84	111.87	42.53	305.66	186.30	119.35
12+50	80.20	6.04	133.38	20.27	439.04	206.57	232.47
13+00	117.17	5.23	182.75	10.44	621.79	217.01	404.78
13+50	143.98	3.45	241.81	8.04	863.59	225.05	638.54
14+00	157.55	2.98	279.19	5.96	1142.78	231.01	911.78
14+50	195.93	2.03	327.30	4.64	1470.08	235.65	1234.43
15+00	332.63	0.00	489.41	1.88	1959.49	237.53	1721.96
15+50	374.03	0.00	654.32	0.00	2613.81	237.53	2376.28
16+00	337.06	0.00	658.41	0.00	3272.22	237.53	3034.69
16+50	281.61	0.00	572.83	0.00	3845.06	237.53	3607.53
17+00	236.99	0.00	480.19	0.00	4325.24	237.53	4087.71
17+50	184.77	0.21	390.53	0.19	4715.77	237.72	4478.05
18+00	151.60	0.85	311.46	0.98	5027.23	238.70	4788.53
18+50	142.96	1.98	272.75	2.62	5299.98	241.32	5058.66
19+00	115.02	5.93	238.87	7.32	5538.85	248.64	5290.21
19+50	86.74	9.83	186.81	14.59	5725.66	263.23	5462.43
20+00	73.59	0.87	148.45	9.91	5874.12	273.14	5600.97
20+50	58.32	5.29	122.14	5.71	5996.25	278.85	5717.40
21+00	50.04	9.82	100.33	14.00	6096.58	292.85	5803.73

6097	293	5804
CUT	FILL	WASTE

STH 213 EARTHWORK

STATION	END AREA (S.F.) CUT	END AREA (S.F.) EXP. FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) EXP. FILL	CUM. VOLUMES (C.Y.) CUT	CUM. VOLUMES (C.Y.) EXP. FILL	MASS HAUL
+00	1.41	0.00					
+50	4.29	3.94	5.27	3.65	5.27	3.65	1.62
1+00	12.34	12.23	15.39	14.97	20.66	18.62	2.04
1+50	20.83	16.45	30.71	26.56	51.37	45.18	6.19
2+00	41.80	14.64	57.99	28.79	109.36	73.97	35.38
2+50	46.71	13.58	81.96	26.13	191.32	100.10	91.21
3+00	49.70	10.99	89.27	22.75	280.59	122.85	157.74
3+50	49.14	9.27	91.52	18.76	372.10	141.61	230.49
4+00	3.69	0.00	48.91	8.58	421.02	150.19	270.83
4+50	7.26	0.22	10.14	0.21	431.16	150.39	280.76
5+00	27.89	20.37	32.55	19.06	463.71	169.46	294.25
5+50	5.50	0.00	30.92	18.86	494.63	188.32	306.31
5+85	5.30	0.00	10.00	0.00	504.62	188.32	316.31

505	188	316
CUT	FILL	WASTE

W. AHARA RD. WIDENING EARTHWORK

STATION	END AREA (S.F.) CUT	END AREA (S.F.) EXP. FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) EXP. FILL	CUM. VOLUMES (C.Y.) CUT	CUM. VOLUMES (C.Y.) EXP. FILL	MASS HAUL
28+50	5.00	2.50					
29+00	3.70	2.38	8.06	4.51	8.06	4.51	3.54
29+50	5.40	2.50	8.43	4.51	16.48	9.03	7.45
30+00	9.80	1.63	14.07	3.82	30.56	12.85	17.71
30+50	3.40	2.63	12.22	3.94	42.78	16.78	26.00
31+00	2.20	2.50	5.19	4.75	47.96	21.53	26.44

48	22	26
CUT	FILL	WASTE

W. AHARA RD. EARTHWORK

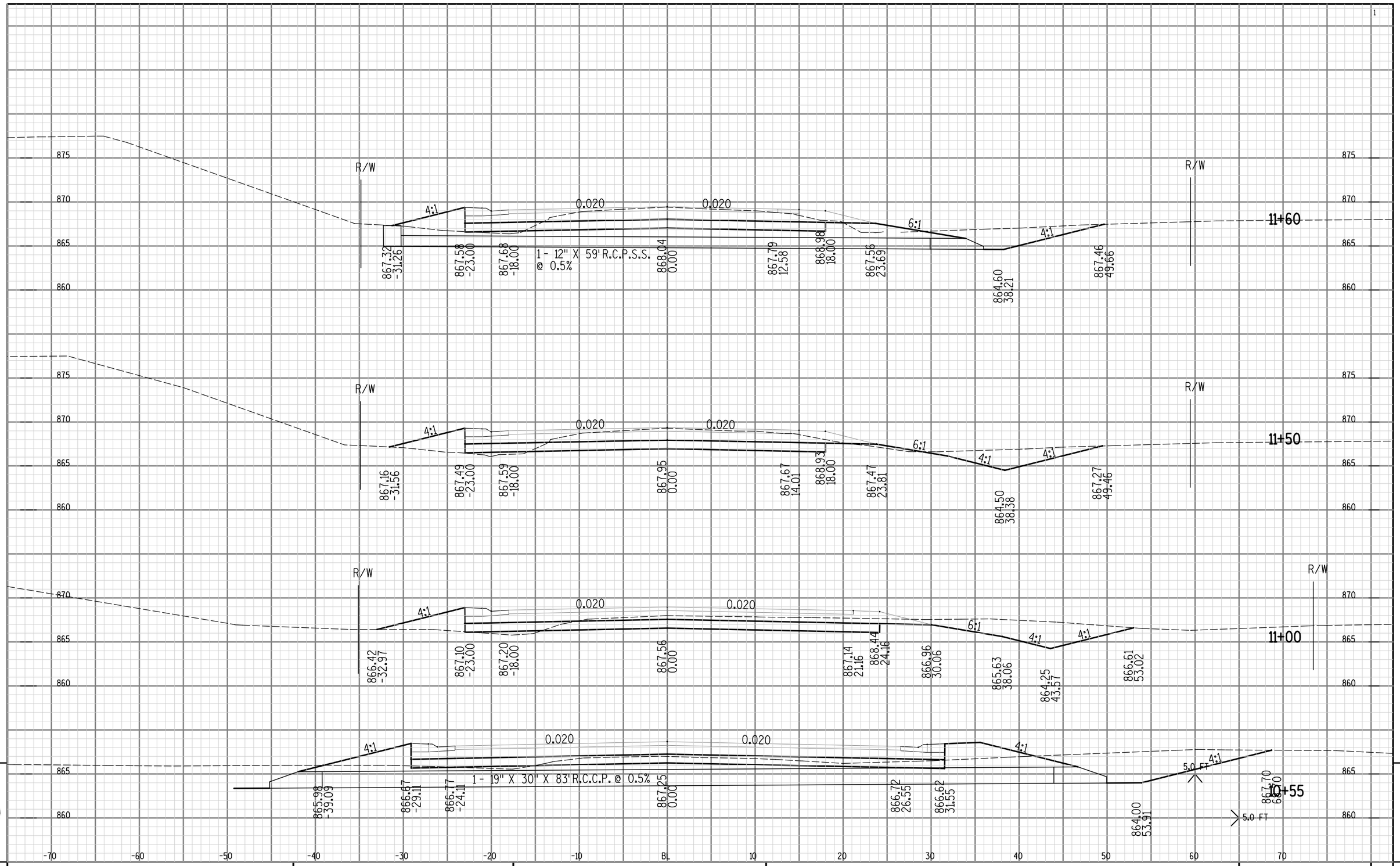
STATION	END AREA (S.F.) CUT	END AREA (S.F.) EXP. FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) EXP. FILL	CUM. VOLUMES (C.Y.) CUT	CUM. VOLUMES (C.Y.) EXP. FILL	MASS HAUL
22+50	101.82	6.77					
23+00	124.86	0.00	209.89	6.27	209.89	6.27	203.62
23+50	110.10	0.00	217.55	0.00	427.44	6.27	421.17

427	6	421
CUT	FILL	WASTE

TRAILER PARK PE EARTHWORK

STATION	END AREA (S.F.) CUT	END AREA (S.F.) EXP. FILL	VOLUME (C.Y.) CUT	VOLUME (C.Y.) EXP. FILL	CUM. VOLUMES (C.Y.) CUT	CUM. VOLUMES (C.Y.) EXP. FILL	MASS HAUL
3+00	55.73	0.00					
3+50	23.73	0.00	73.57	0.00	73.57	0.00	73.57
4+00	5.13	7.43	26.72	6.88	100.29	6.88	93.41
4+50	14.38	1.62	18.07	8.38	118.36	15.26	103.09

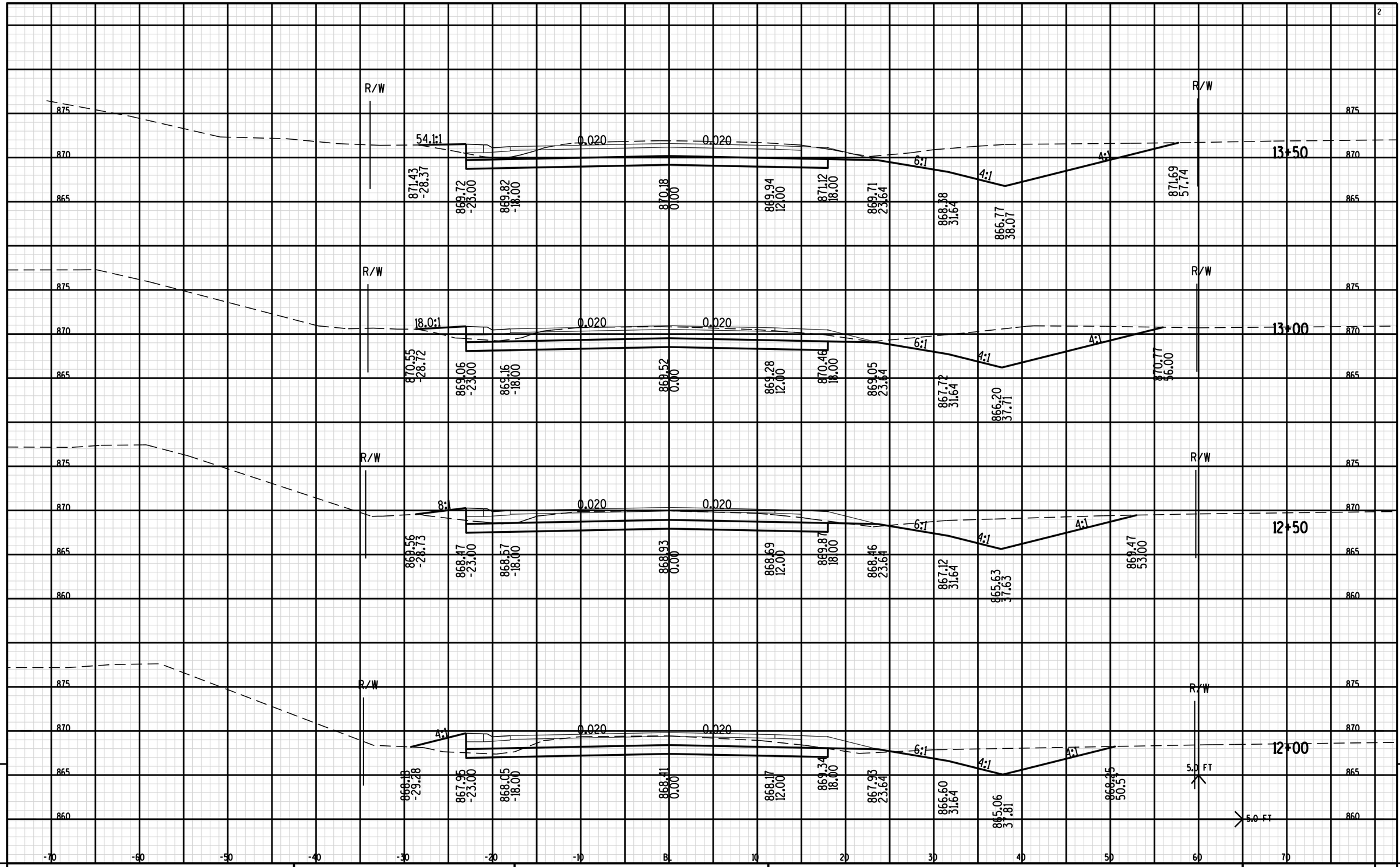
118	15	103
CUT	FILL	WASTE



9

PROJECT NO: 5670-00-84	HWY: STH 59	COUNTY: ROCK	CROSS SECTIONS: STH 59	SHEET NO: 131	E

FILE NAME : PLOT DATE : 1/29/2013 PLOT BY : OTIE PLOT NAME : PLOT SCALE : 10.00 ft / IN.



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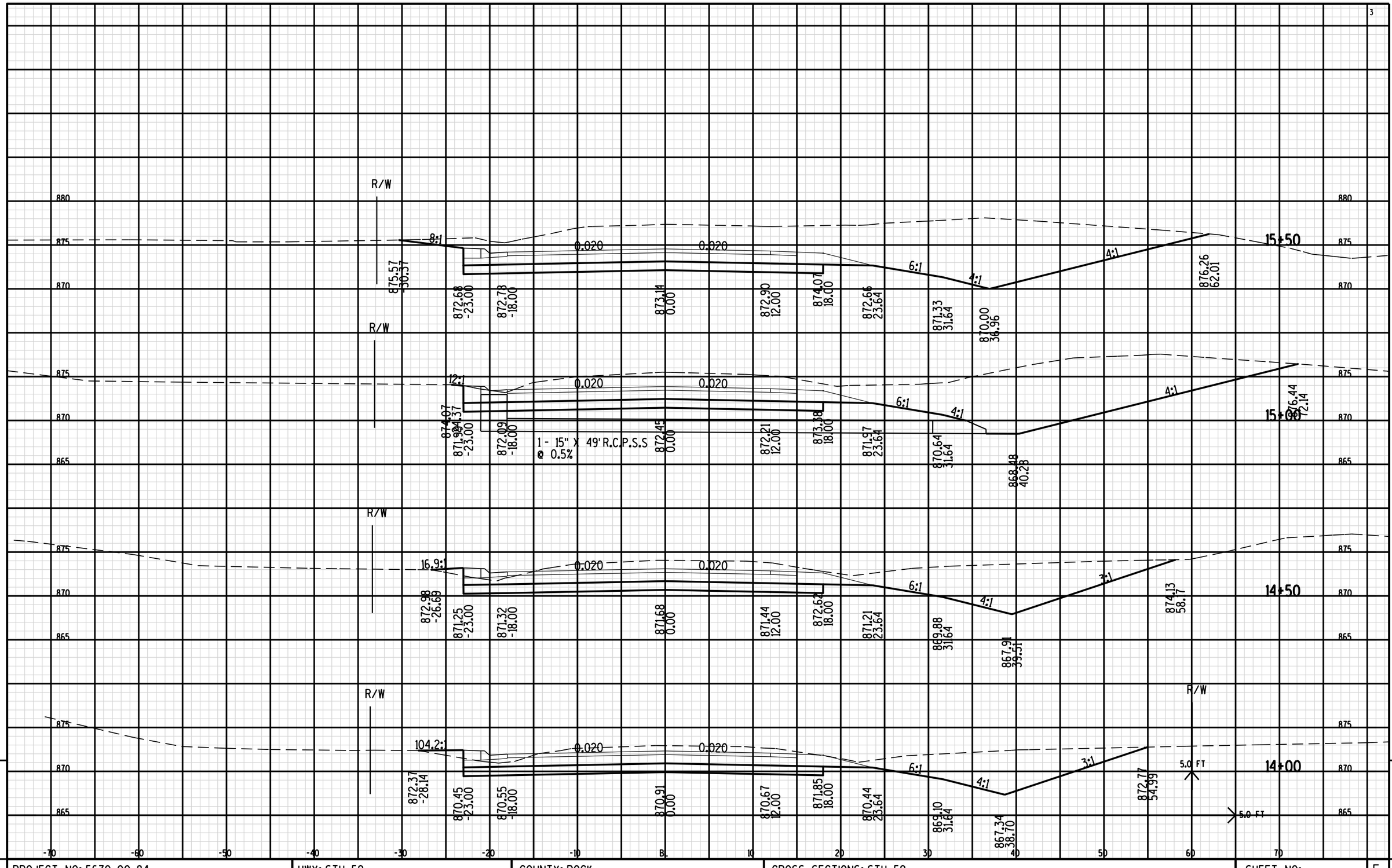
PROJECT NO: 5670-00-84	HWY: STH 59	COUNTY: ROCK	CROSS SECTIONS: STH 59	SHEET NO:	E

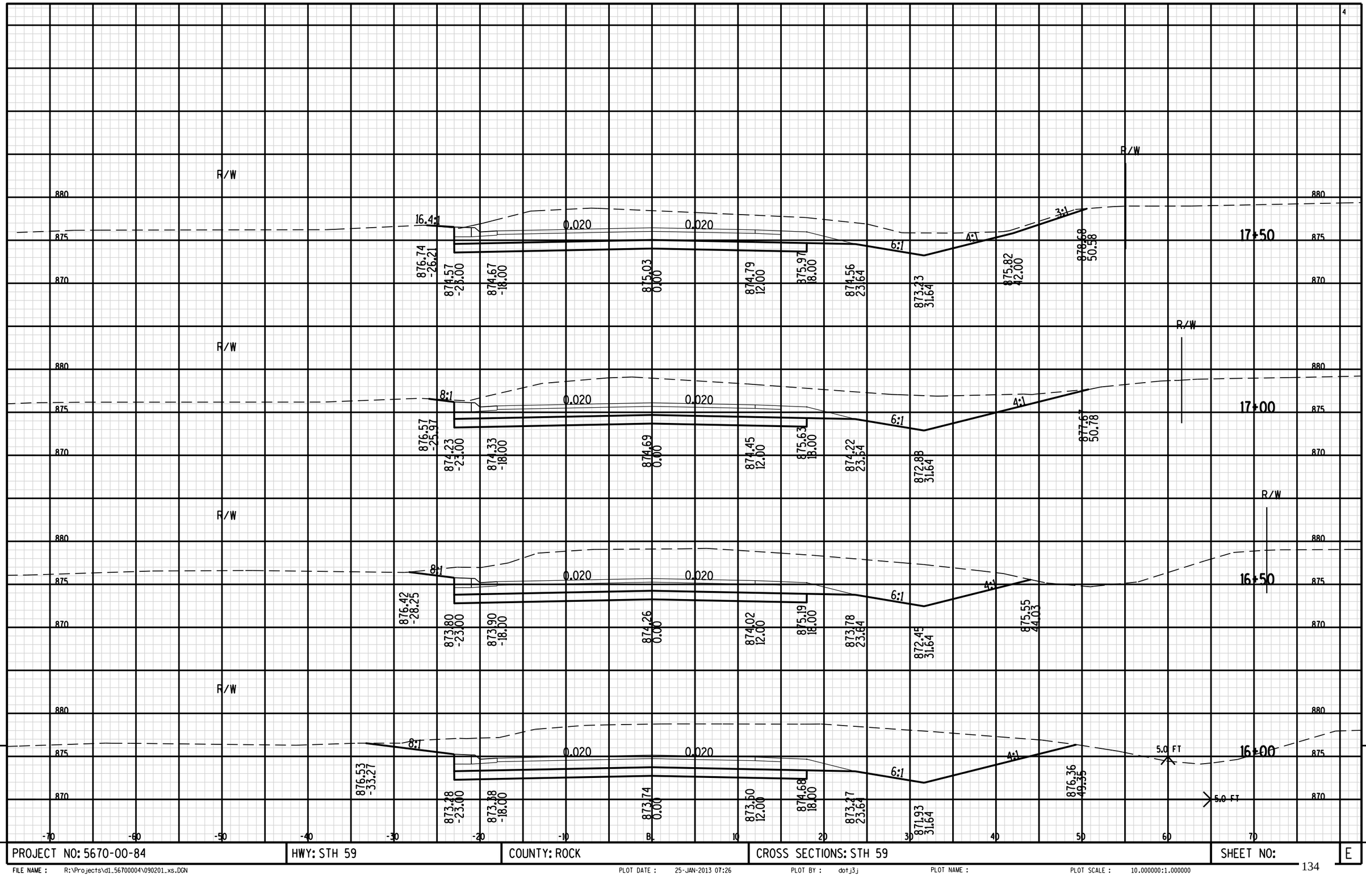
9

FILE NAME : R:\Projects\d1_56700004\090201_xs.DGN PLOT DATE : 25-JAN-2013 07:26 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



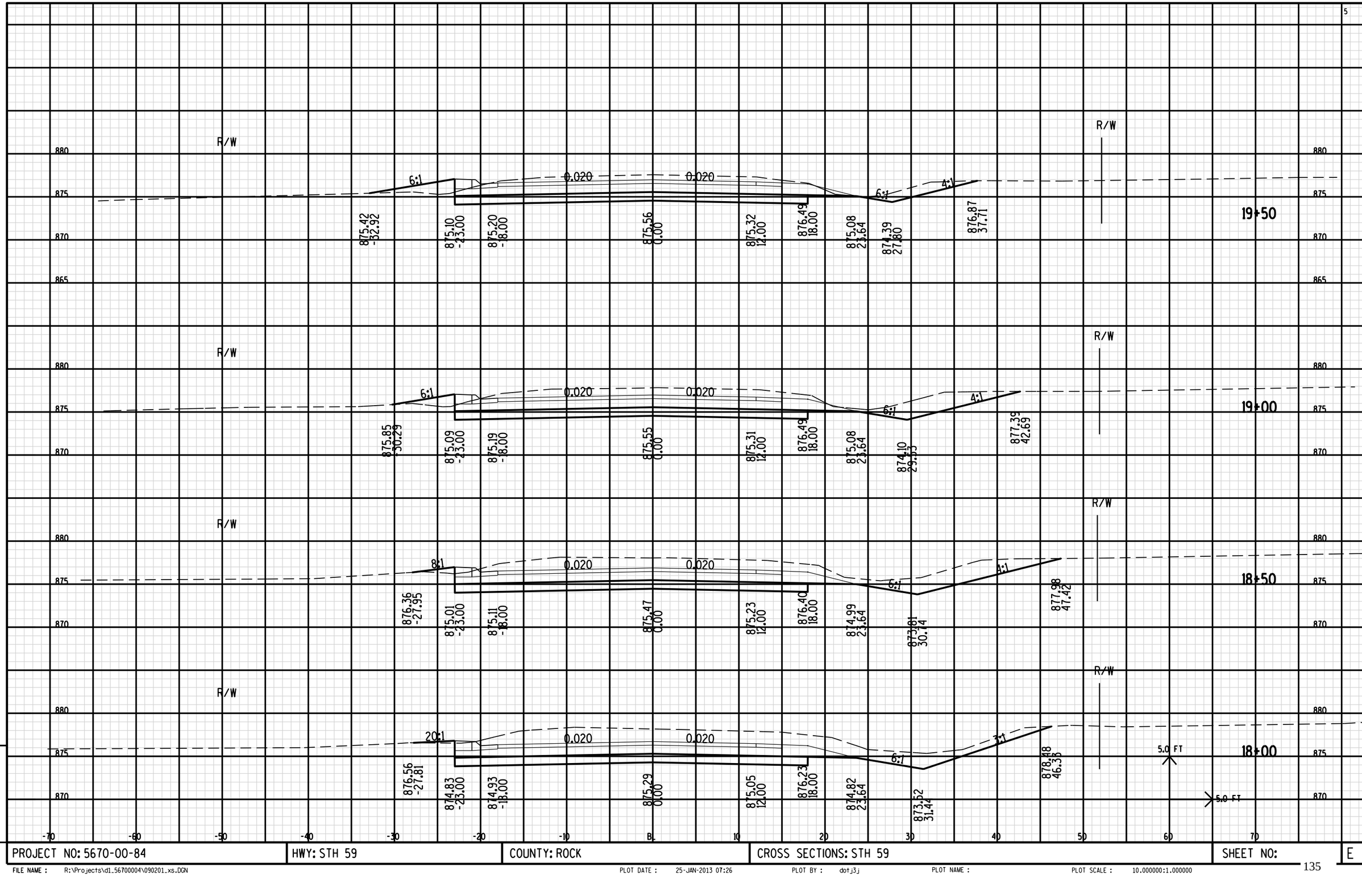
PROJECT NO: 5670-00-84	HWY: STH 59	COUNTY: ROCK	CROSS SECTIONS: STH 59	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090201_xs.DGN PLOT DATE : 25-JAN-2013 07:26 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



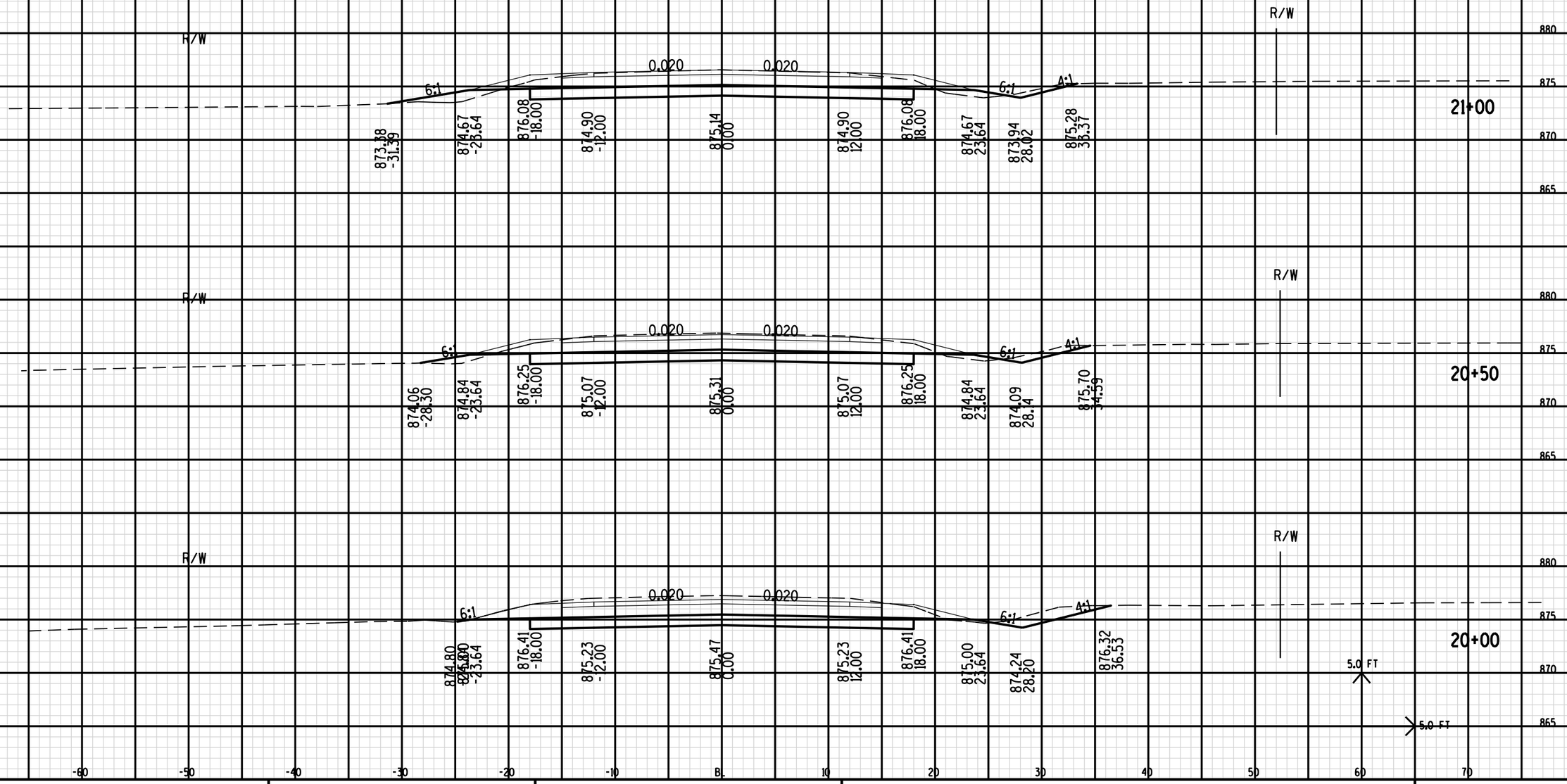
PROJECT NO: 5670-00-84	HWY: STH 59	COUNTY: ROCK	CROSS SECTIONS: STH 59	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090201_xs.DGN PLOT DATE : 25-JAN-2013 07:26 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



PROJECT NO: 5670-00-84	HWY: STH 59	COUNTY: ROCK	CROSS SECTIONS: STH 59	SHEET NO:

FILE NAME : R:\Projects\d1_56700004\090201_xs.DGN PLOT DATE : 25-JAN-2013 07:26 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



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PROJECT NO: 5670-00-84	HWY: STH 59	COUNTY: ROCK	CROSS SECTIONS: STH 59	SHEET NO:	E

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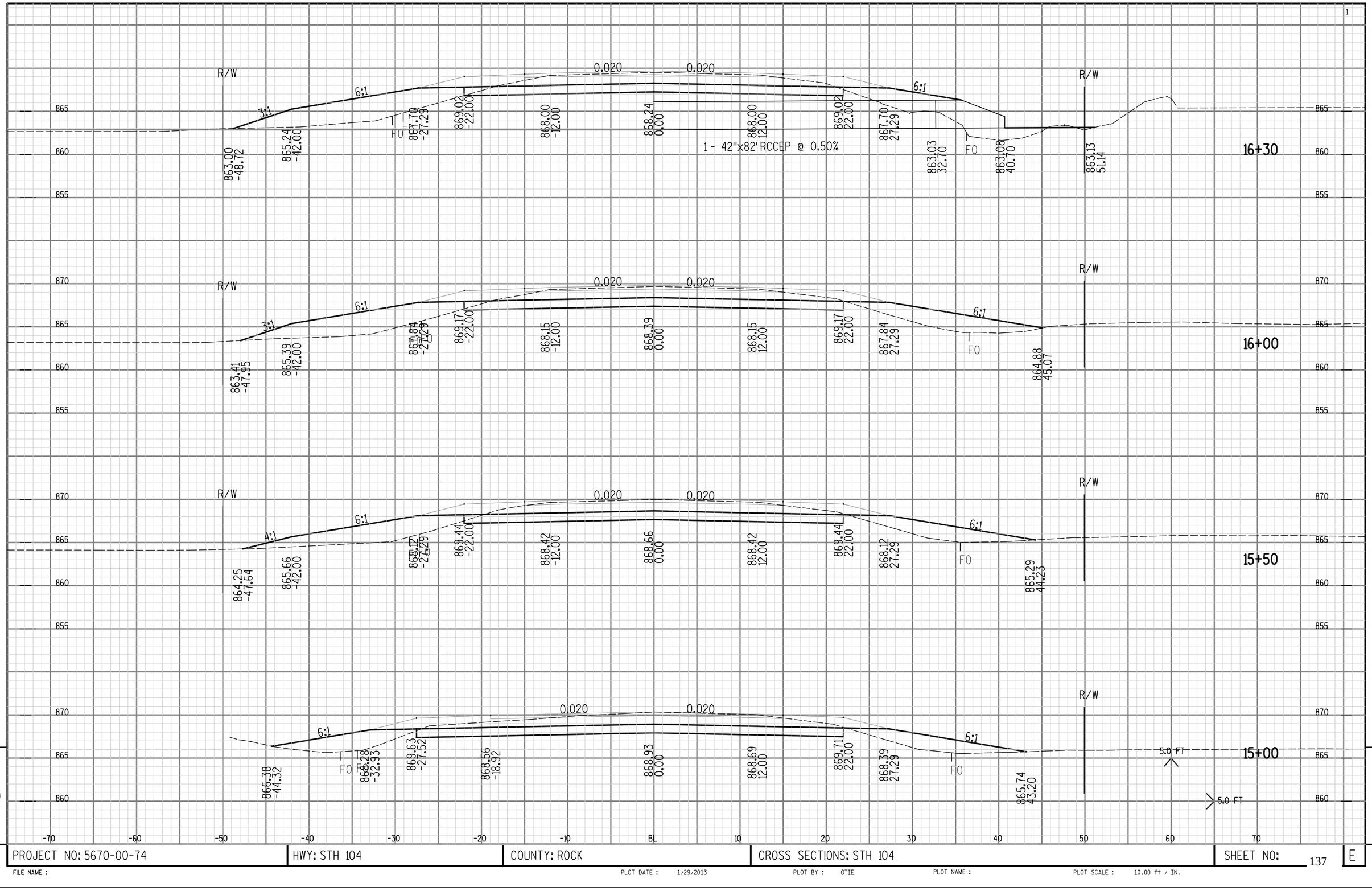

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9

PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO: 137	E

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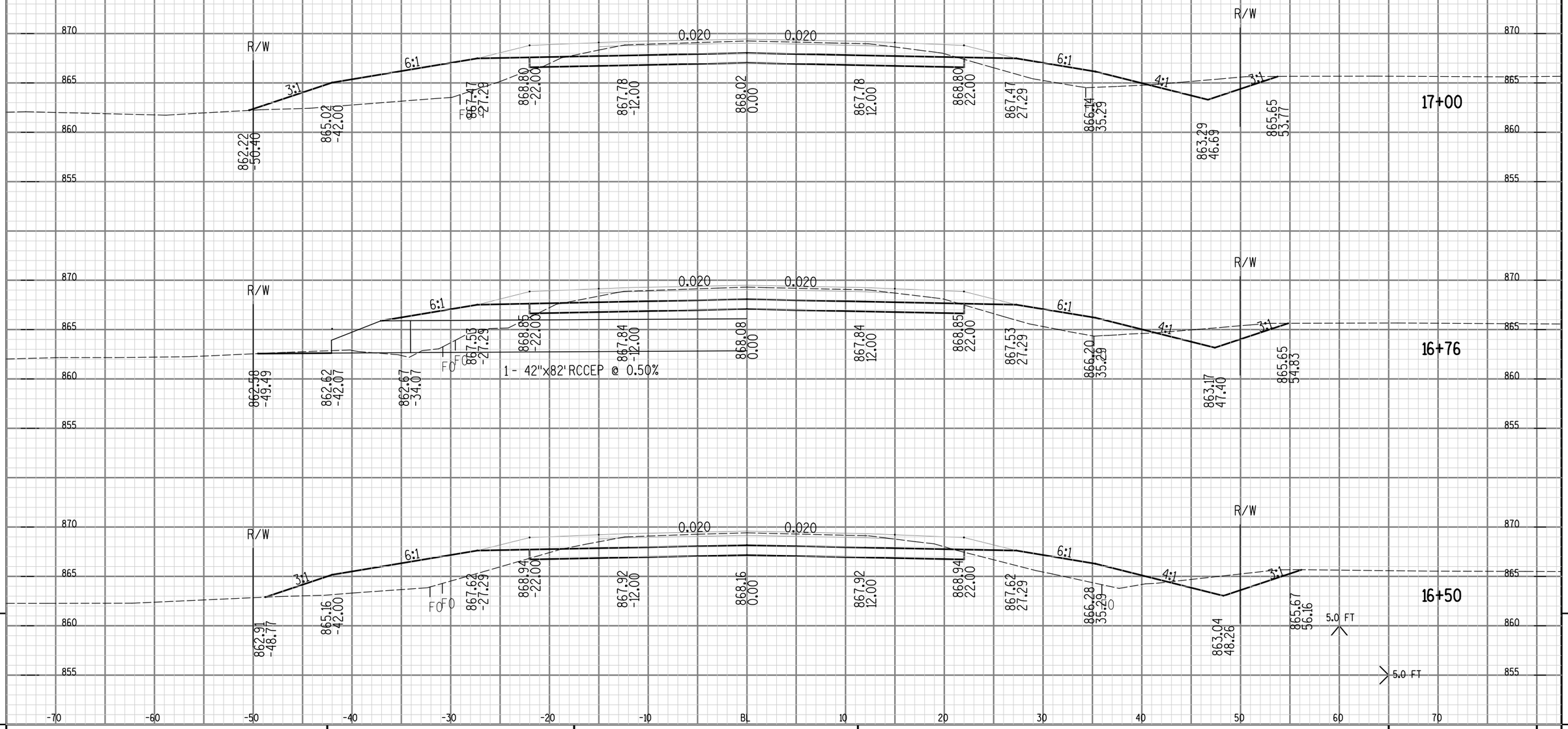

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9

PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO: 138	E

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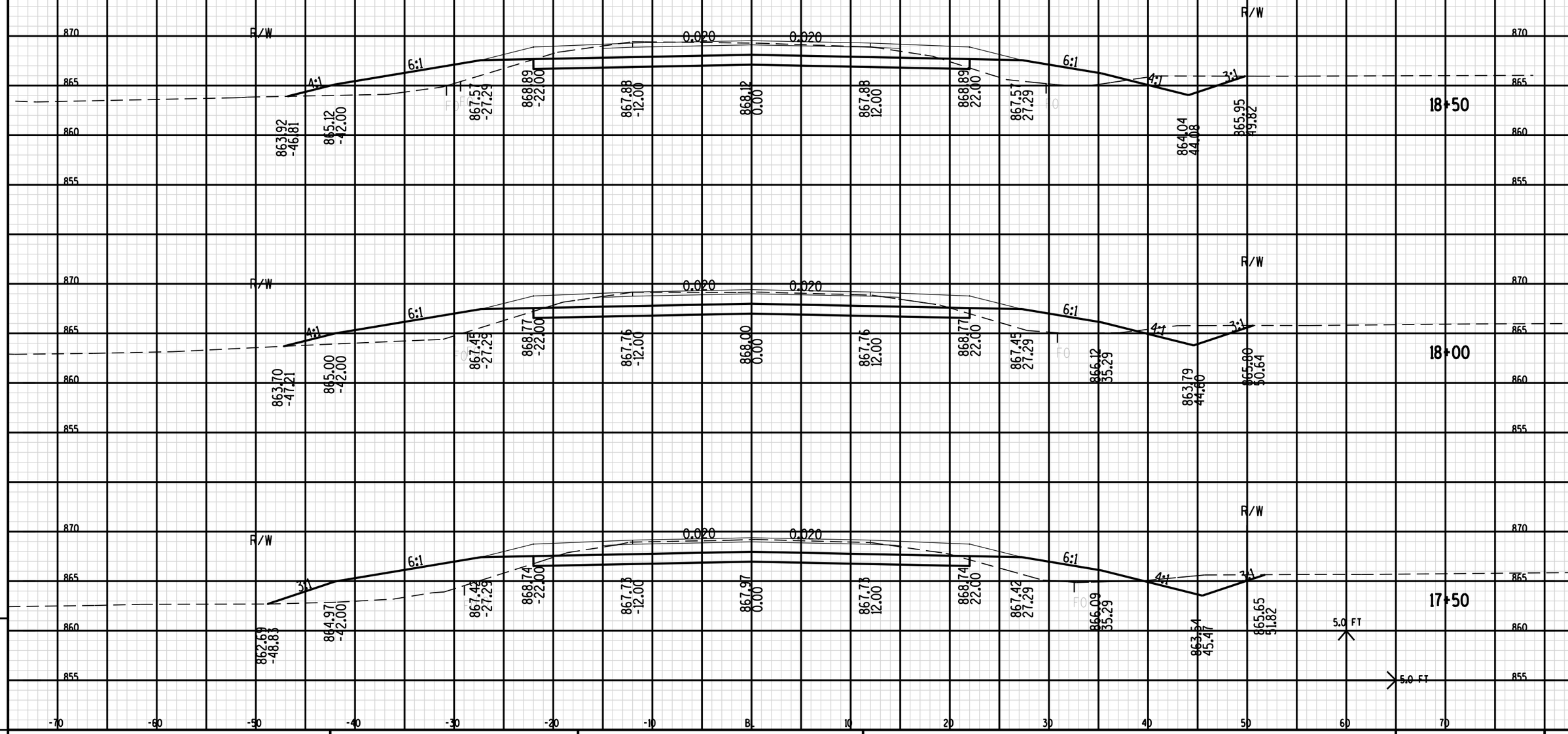

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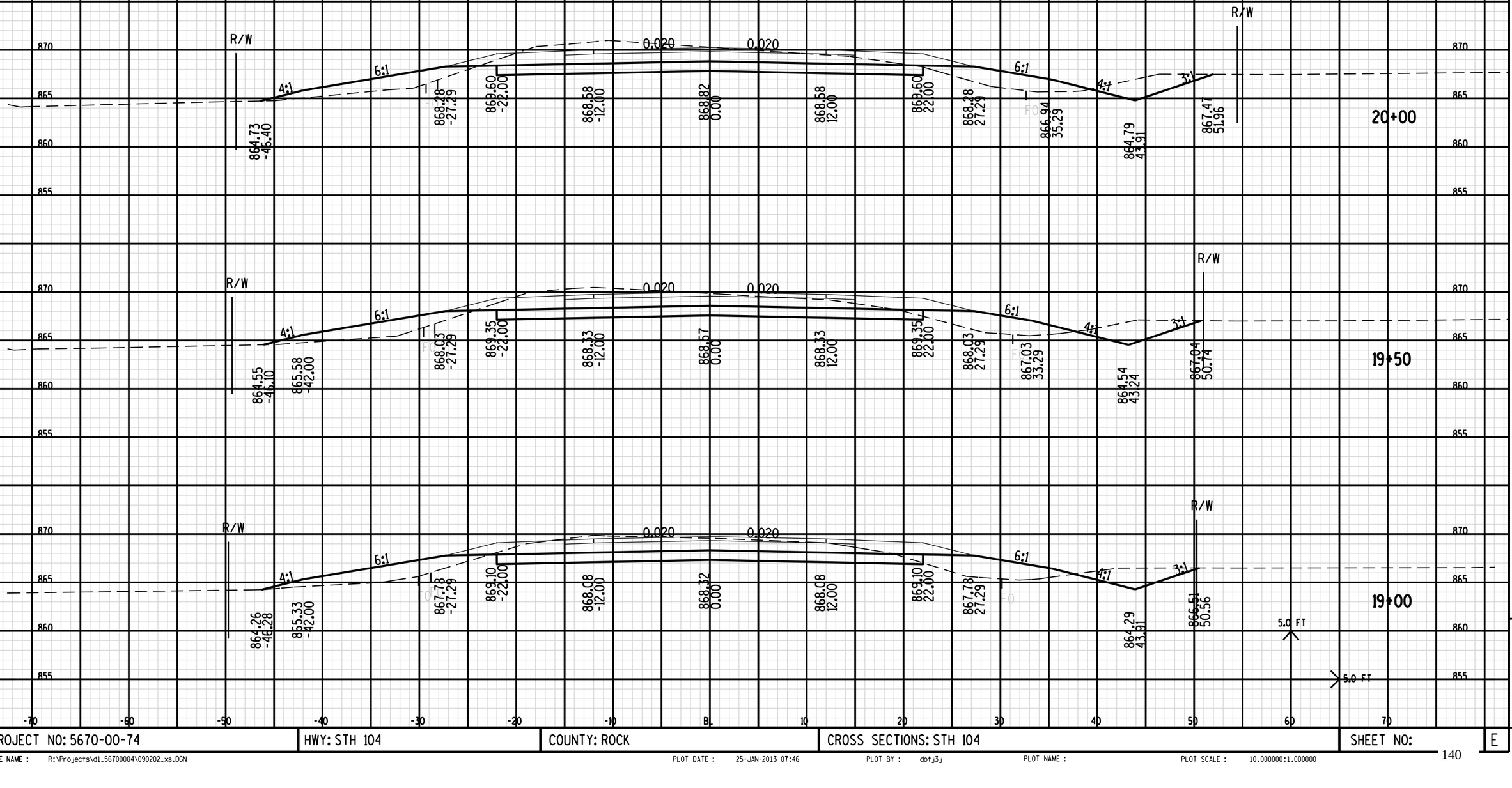
PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

9

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



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9

PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

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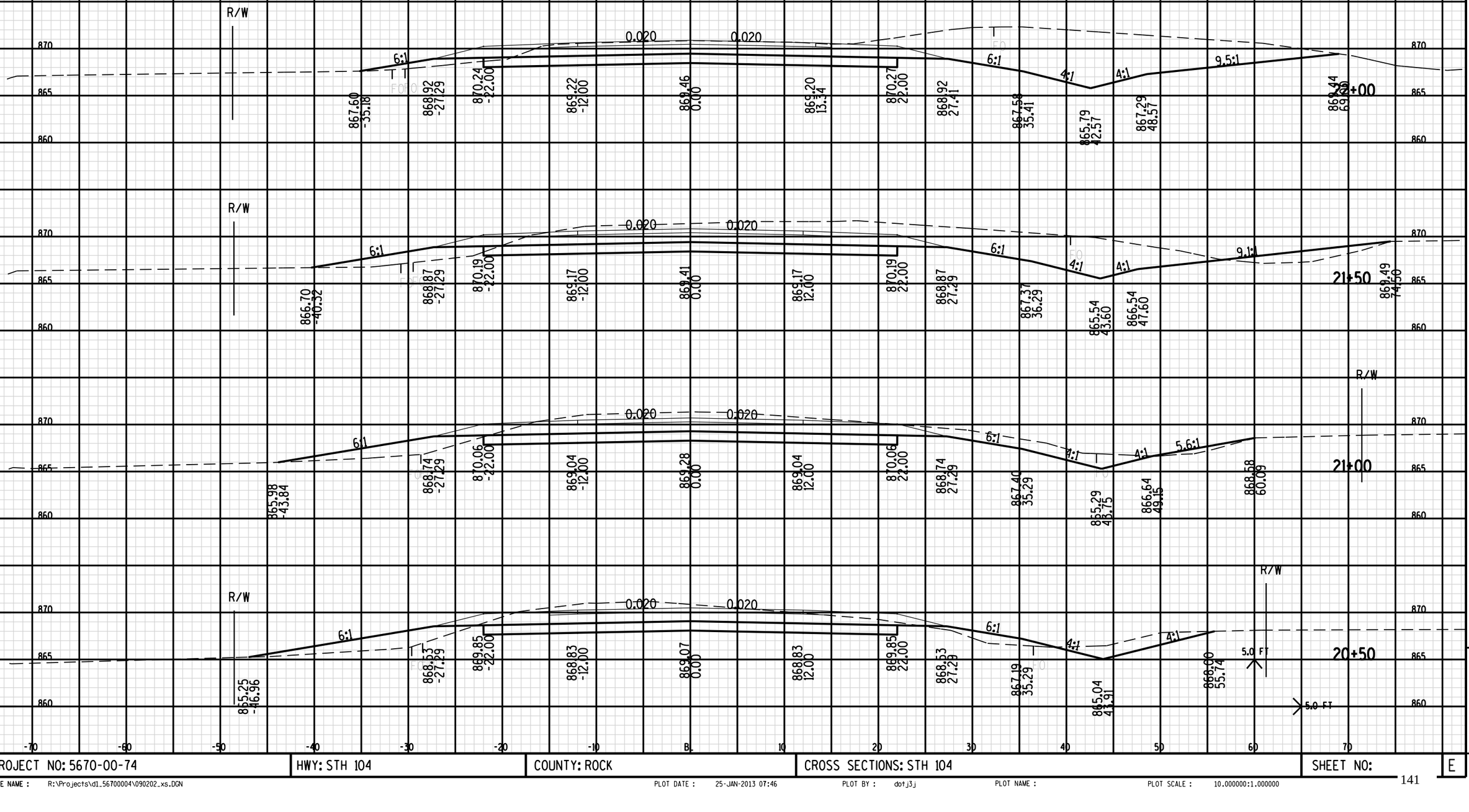
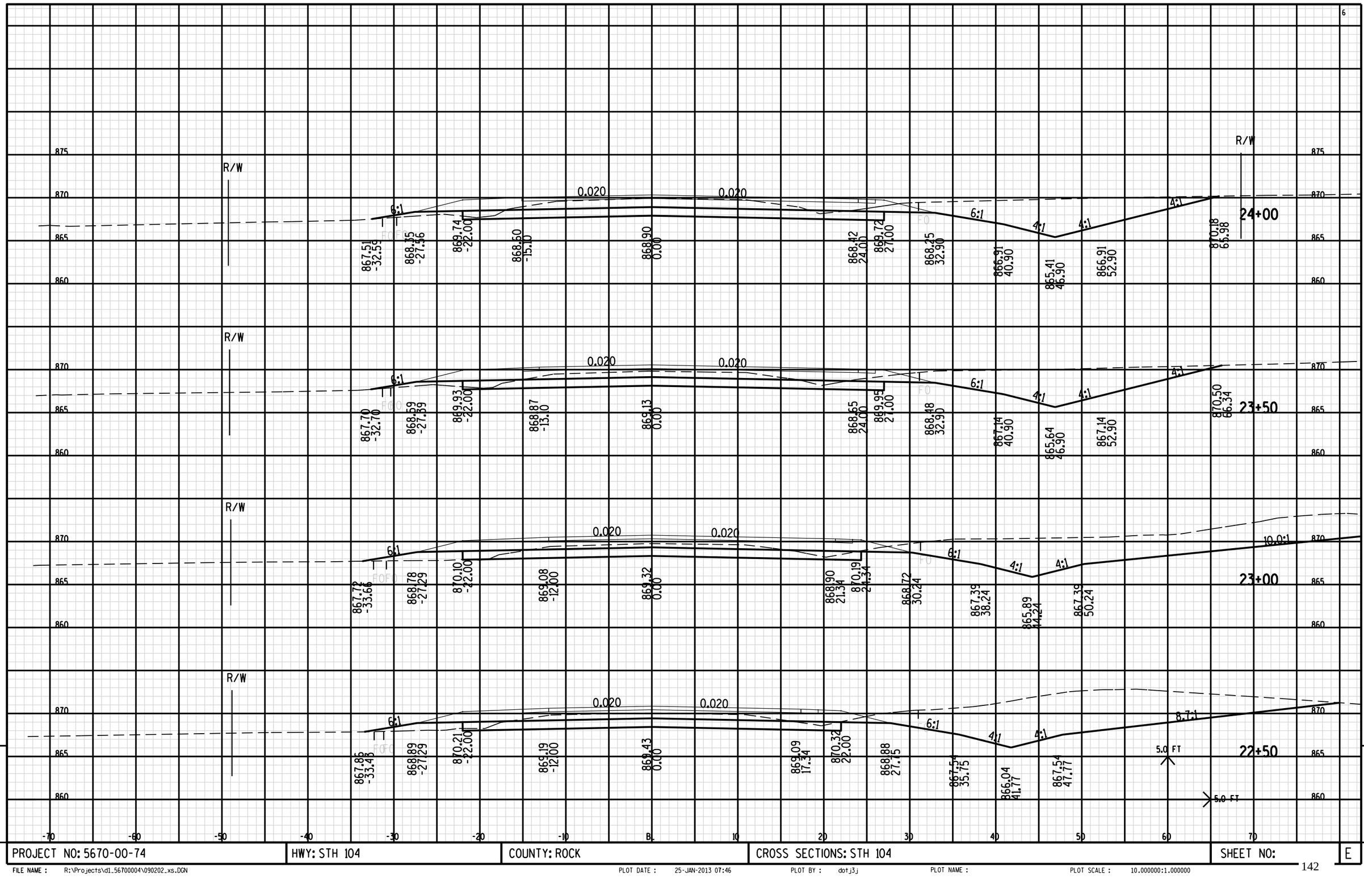


PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO: E

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO: E

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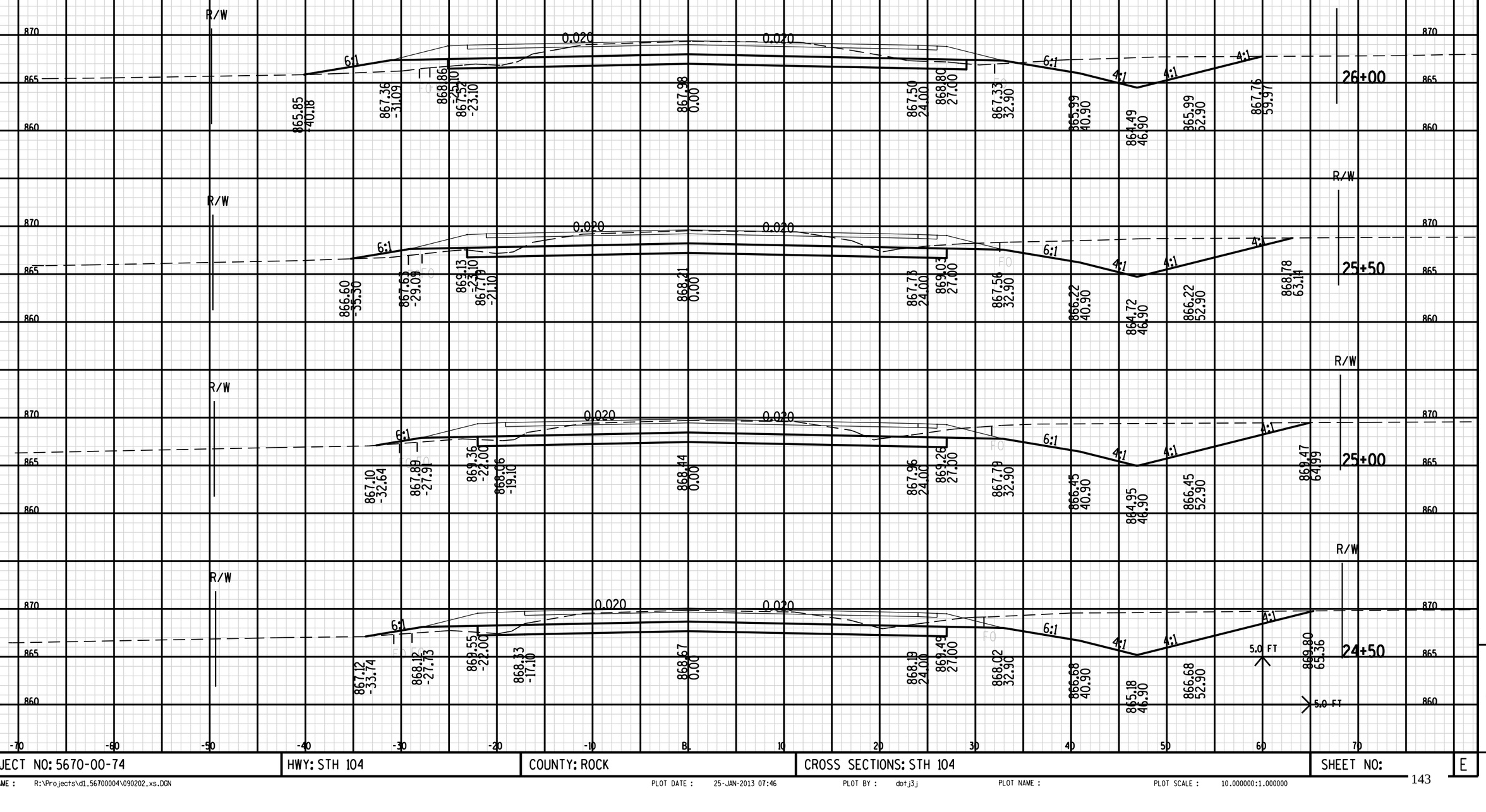

PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

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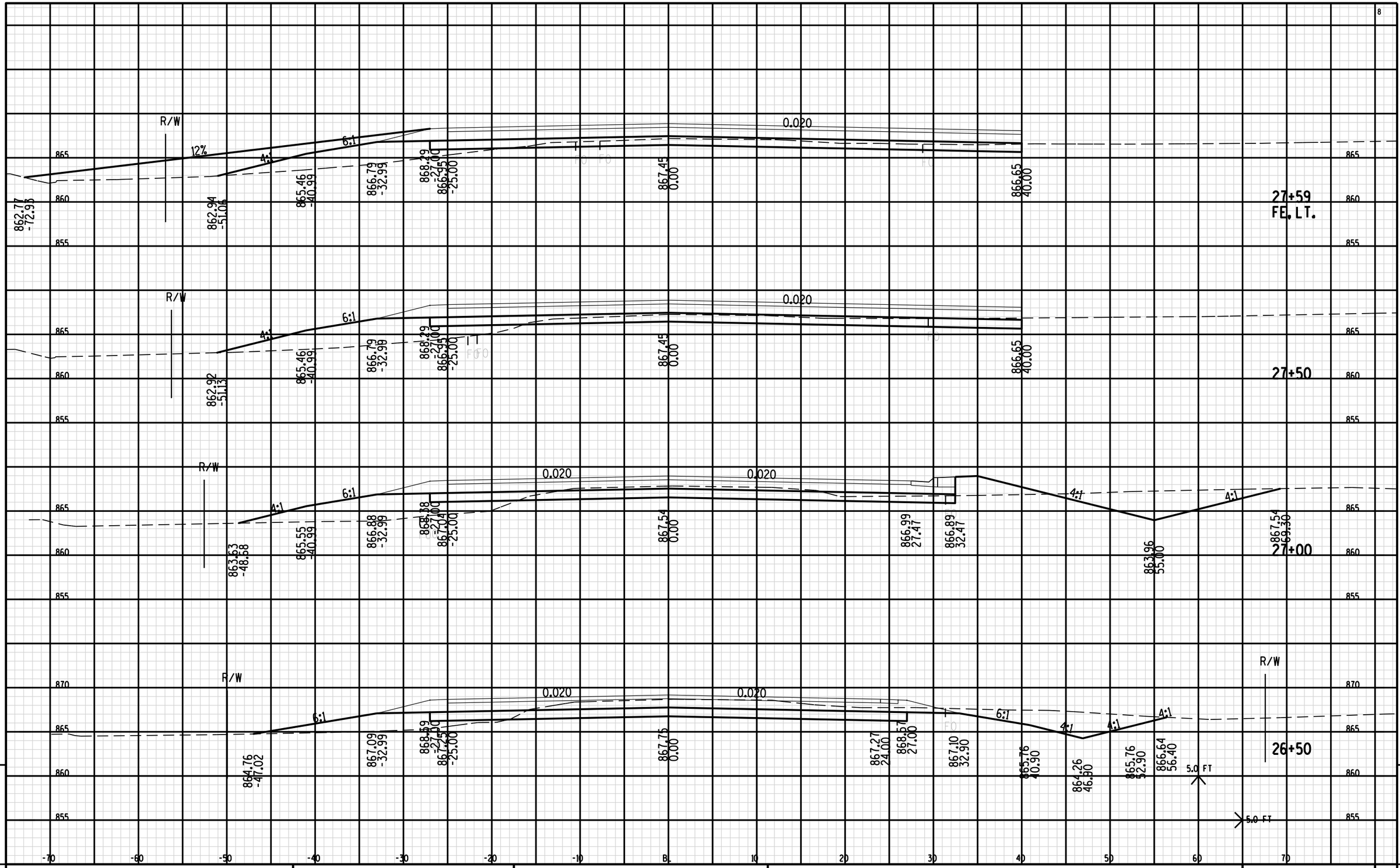
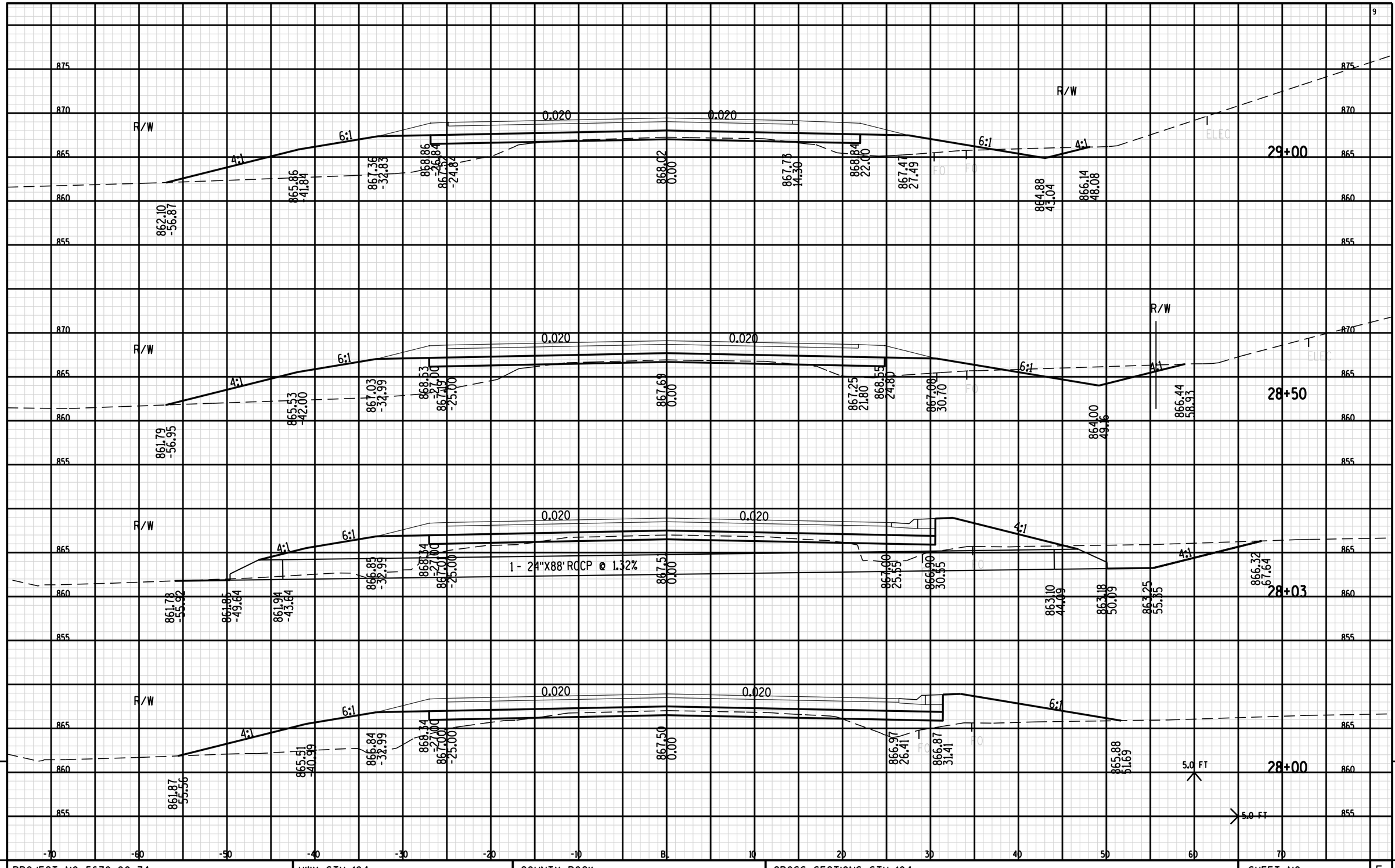


9

9

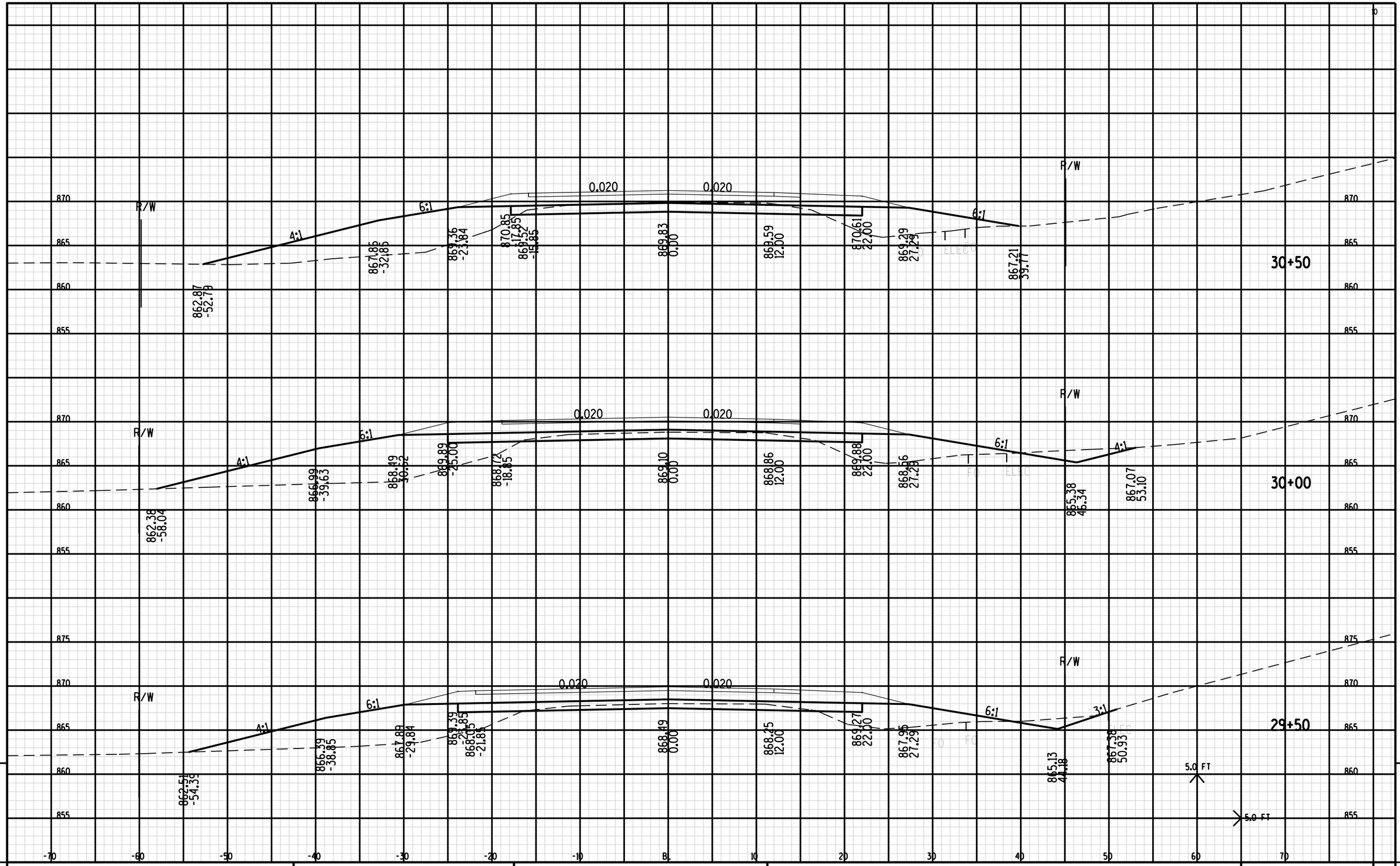
PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



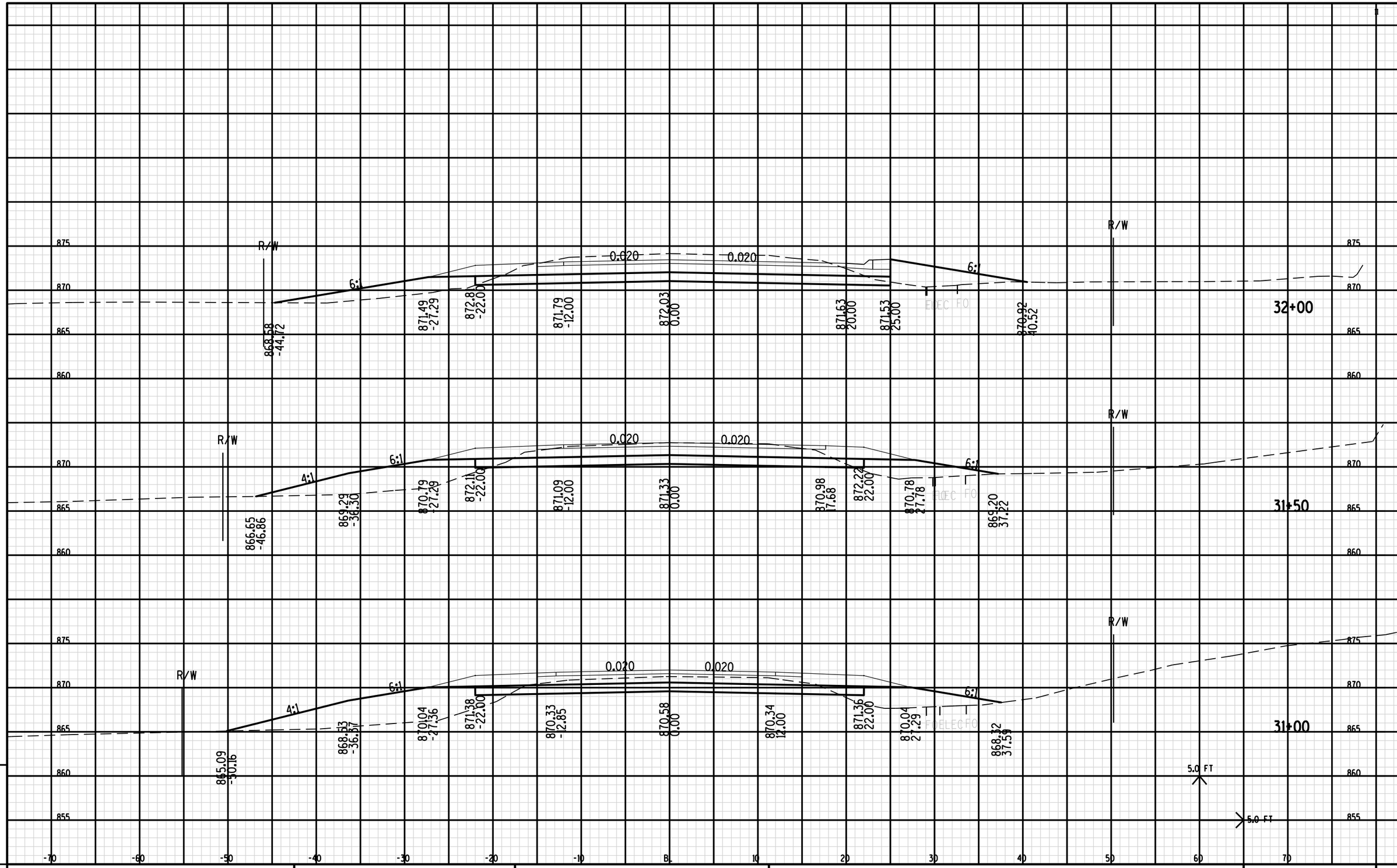
PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO: E

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



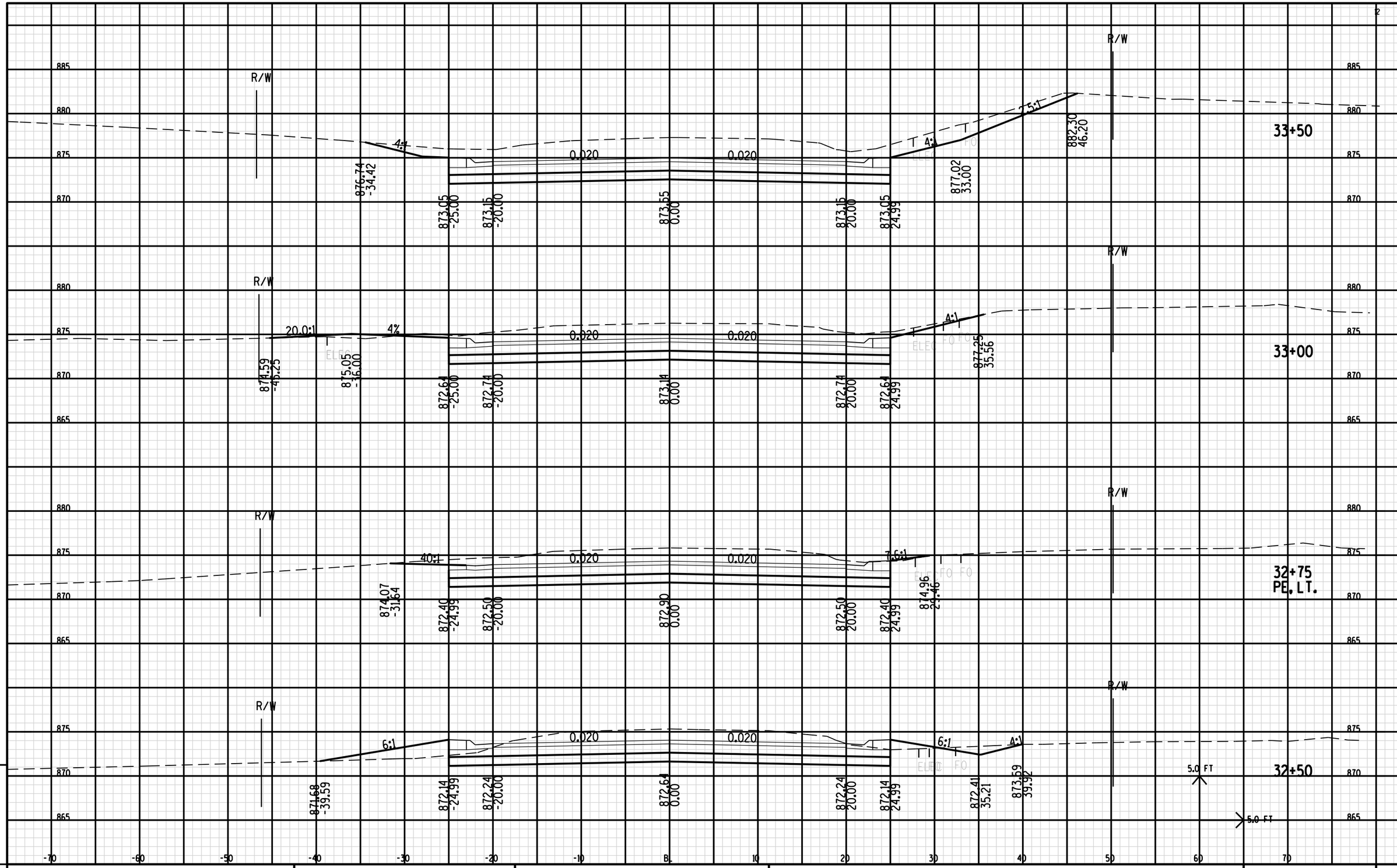
PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

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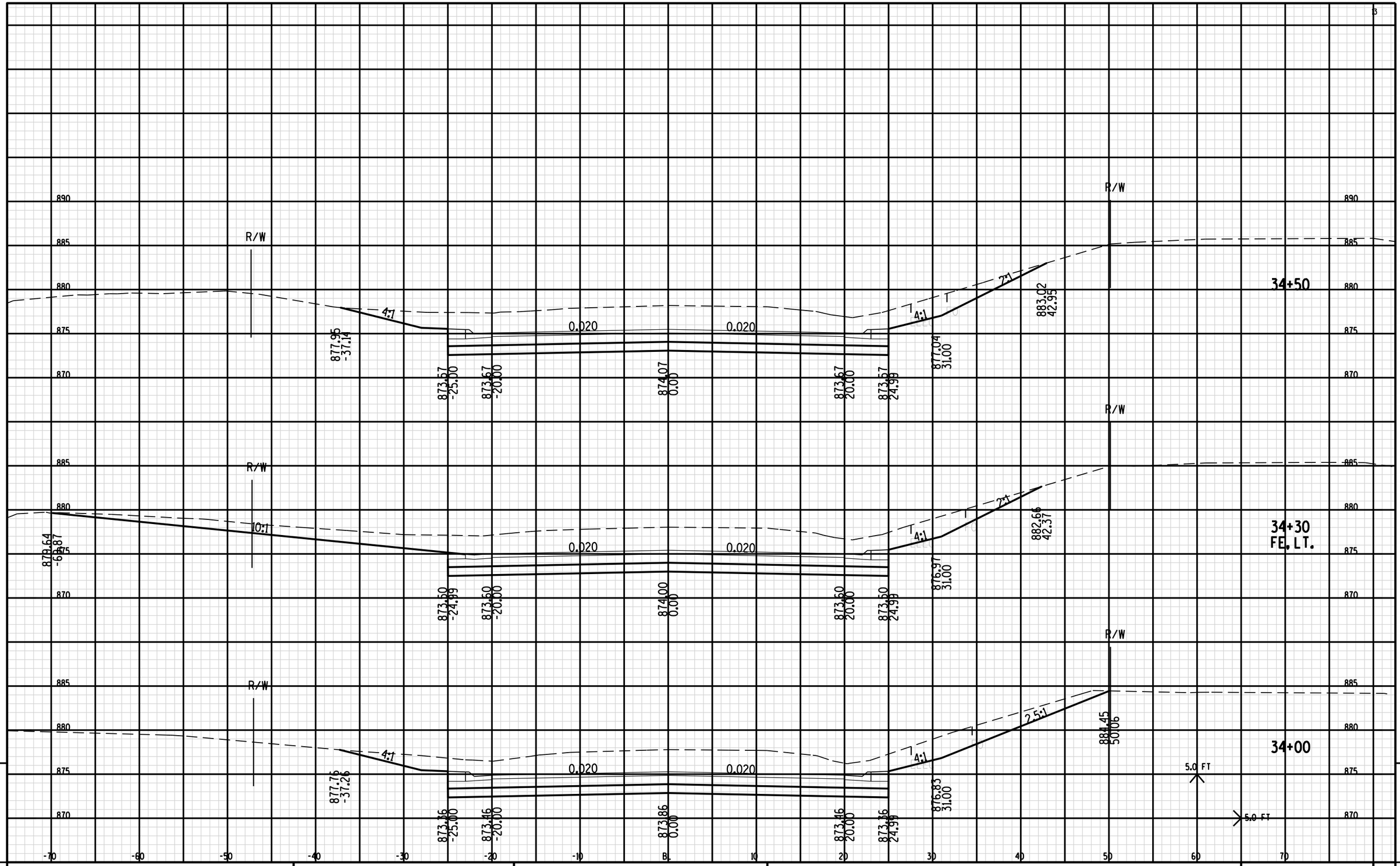
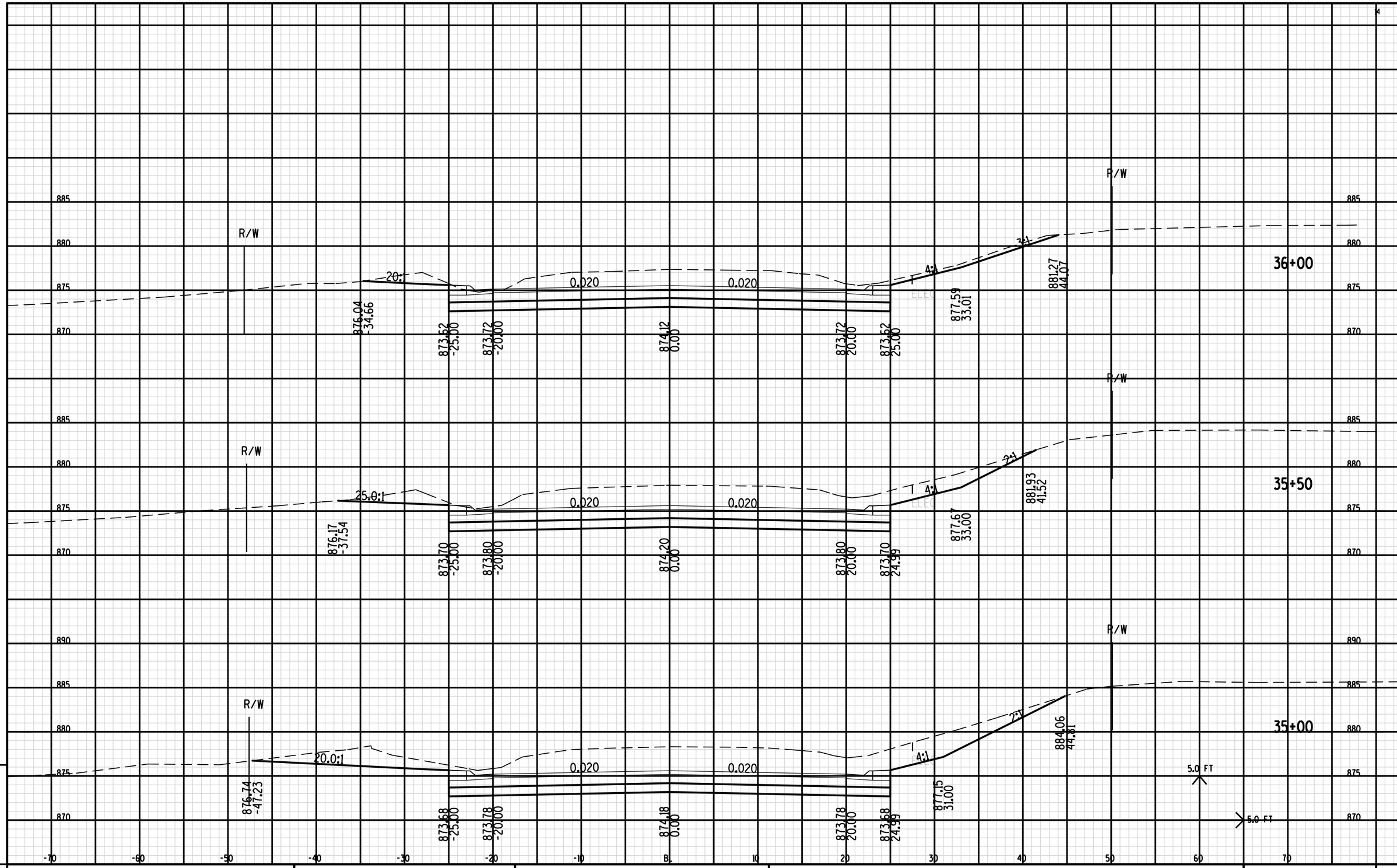


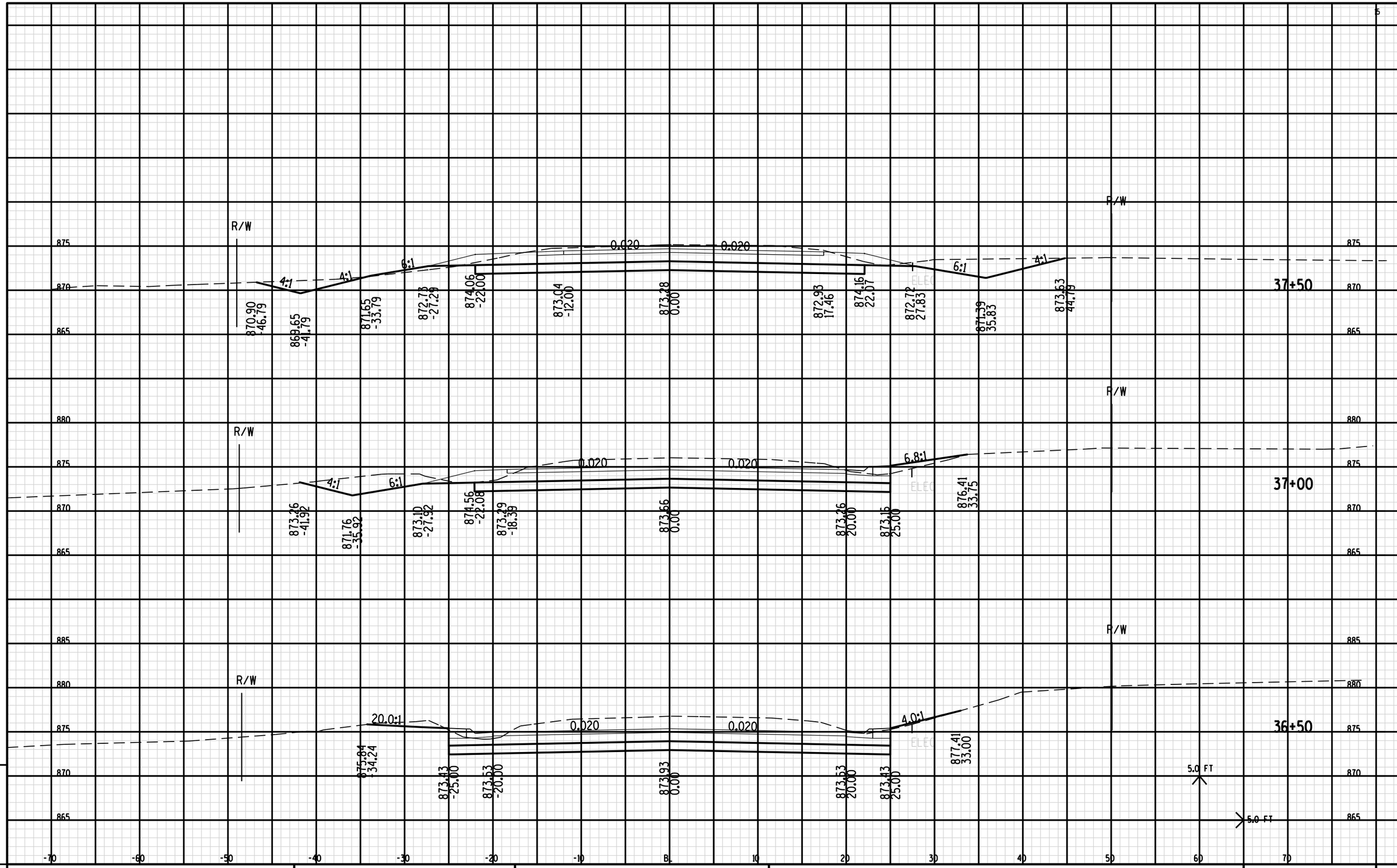
PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



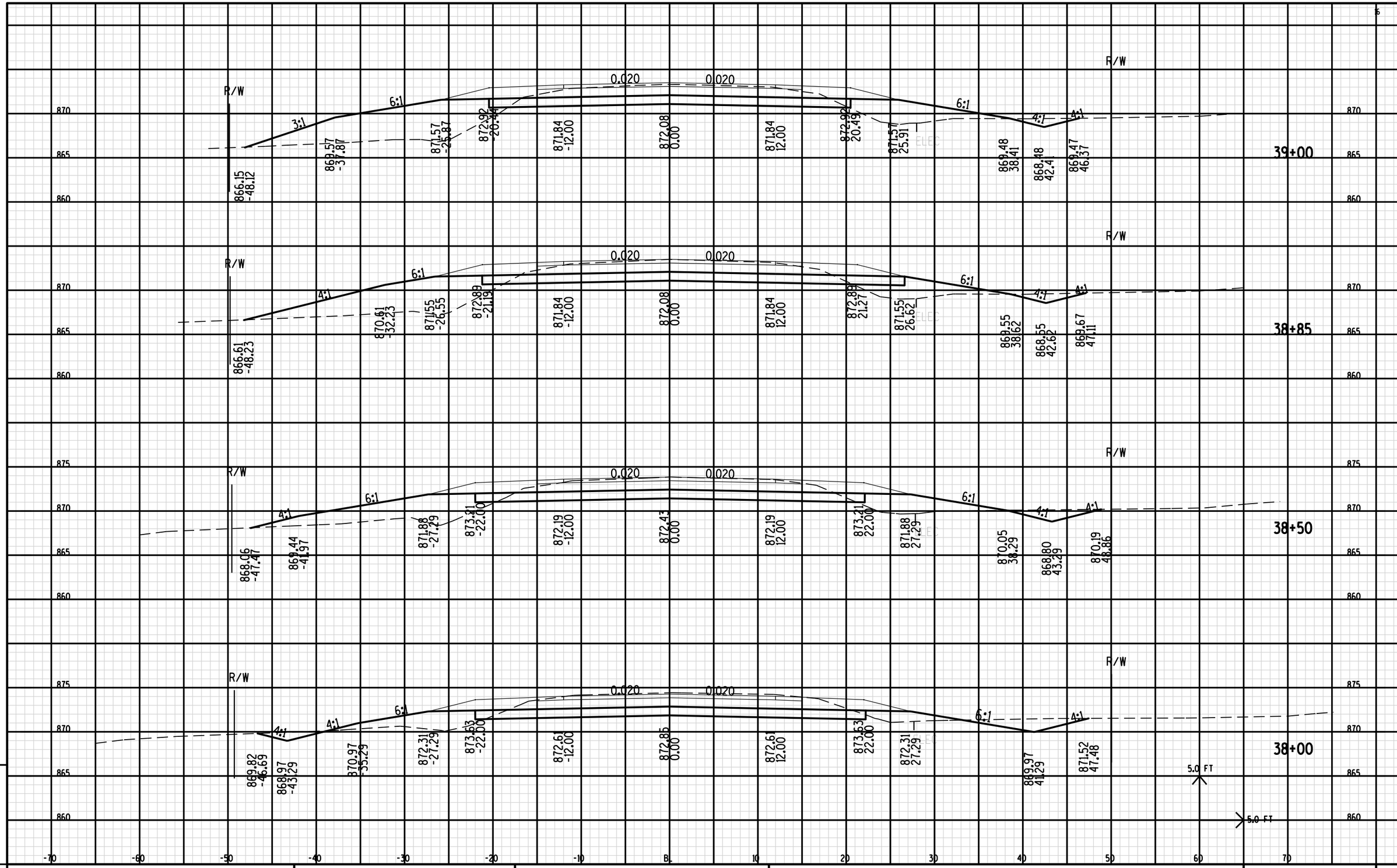
PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



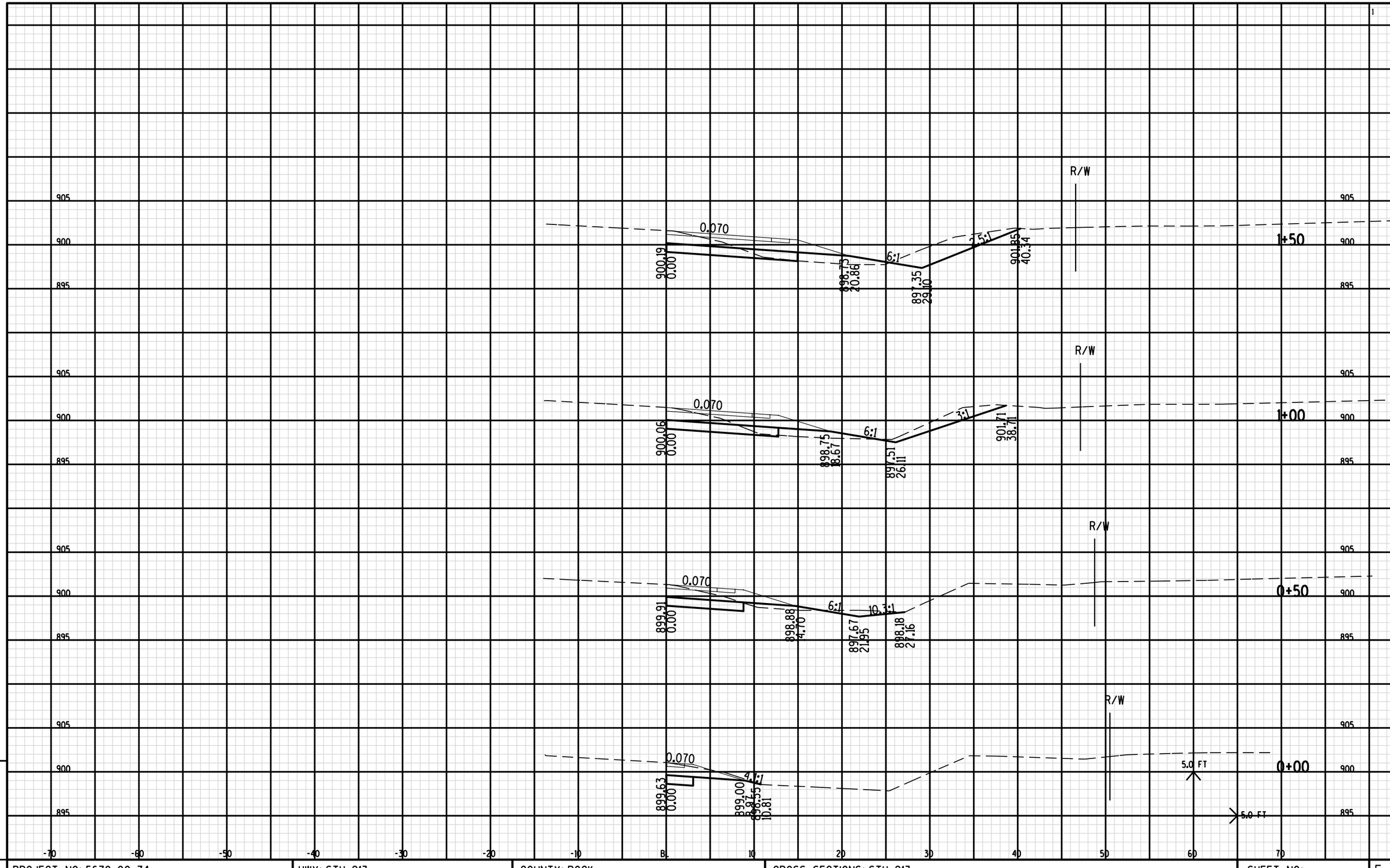
PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



PROJECT NO: 5670-00-74	HWY: STH 104	COUNTY: ROCK	CROSS SECTIONS: STH 104	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090202_xs.DGN PLOT DATE : 25-JAN-2013 07:46 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



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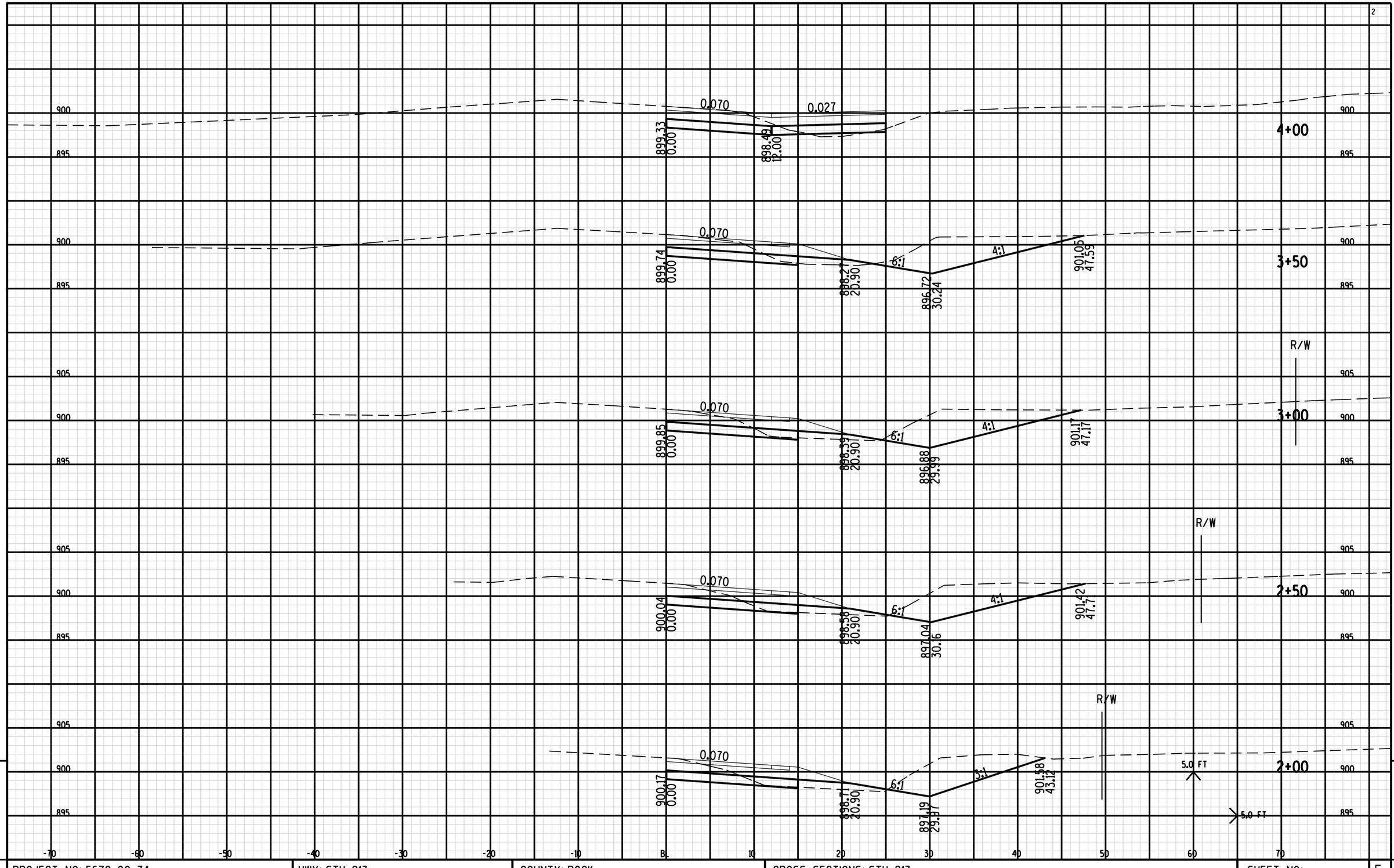
PROJECT NO: 5670-00-74	HWY: STH 213	COUNTY: ROCK	CROSS SECTIONS: STH 213	SHEET NO:	E

9

FILE NAME : R:\Projects\d1_56700004\090203_xs.DGN PLOT DATE : 25-JAN-2013 09:24 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 2.000000:1.000000



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PROJECT NO: 5670-00-74	HWY: STH 213	COUNTY: ROCK	CROSS SECTIONS: STH 213	SHEET NO:	E

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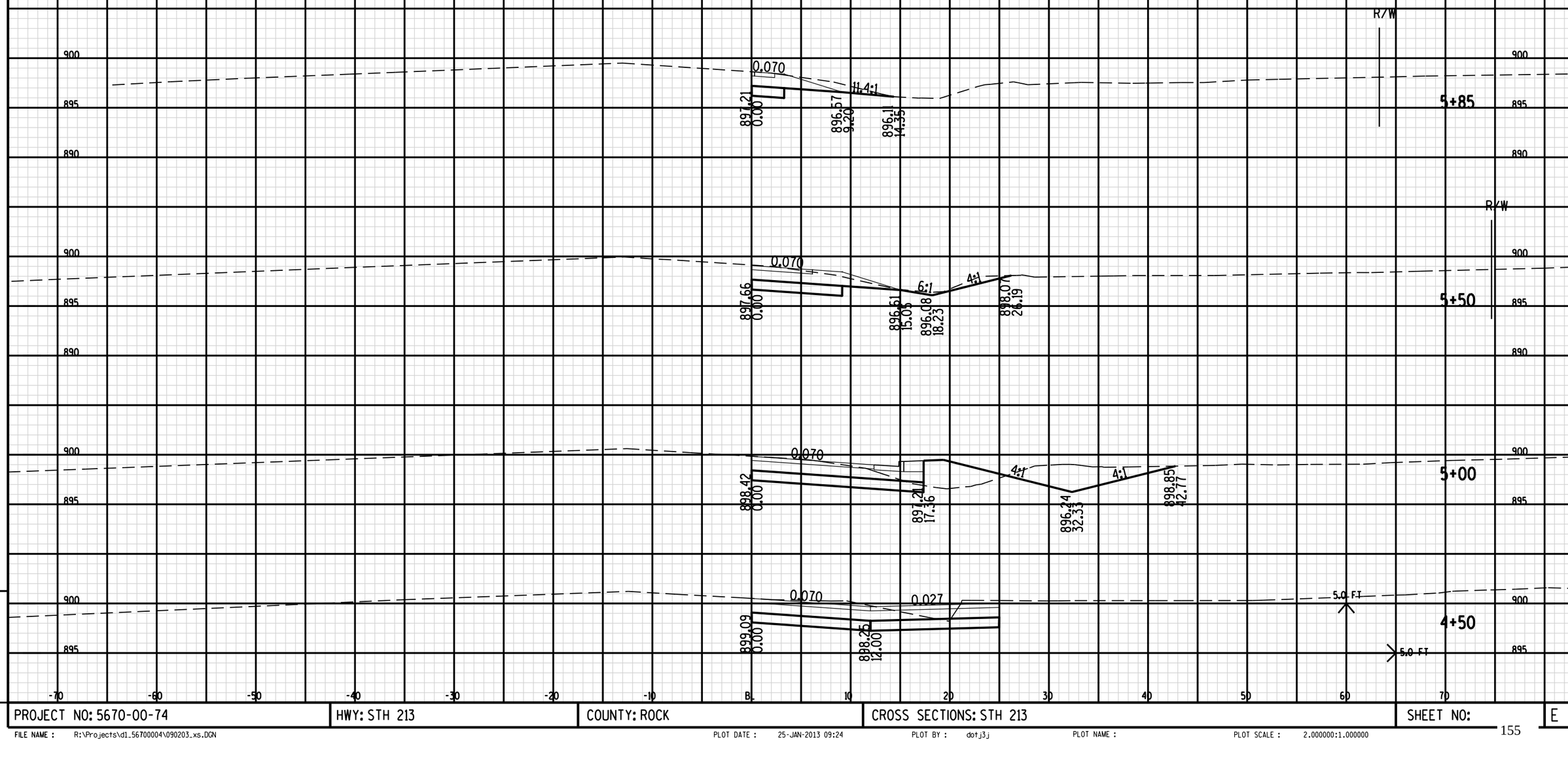

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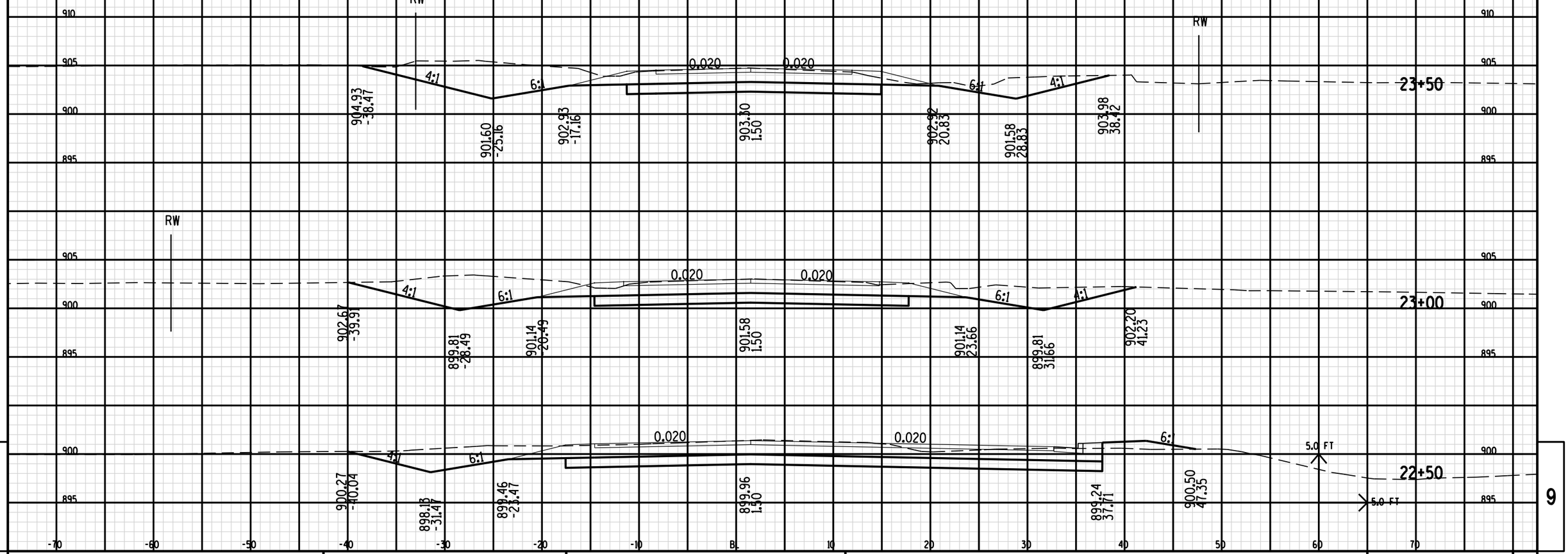
PROJECT NO: 5670-00-74	HWY: STH 213	COUNTY: ROCK	CROSS SECTIONS: STH 213	SHEET NO:	E

9

FILE NAME : R:\Projects\d1_56700004\090203_xs.DGN PLOT DATE : 25-JAN-2013 09:24 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 2.000000:1.000000



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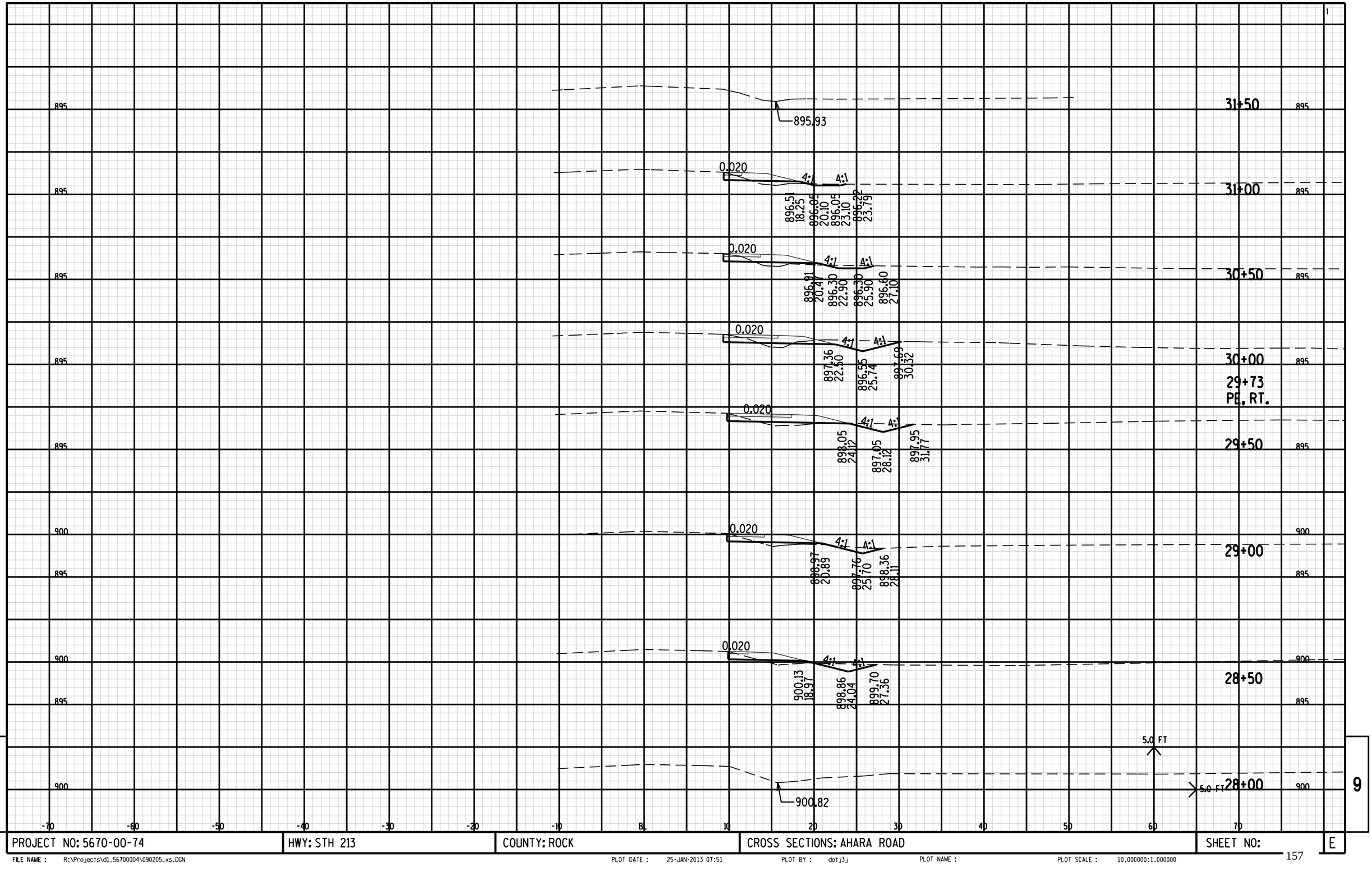
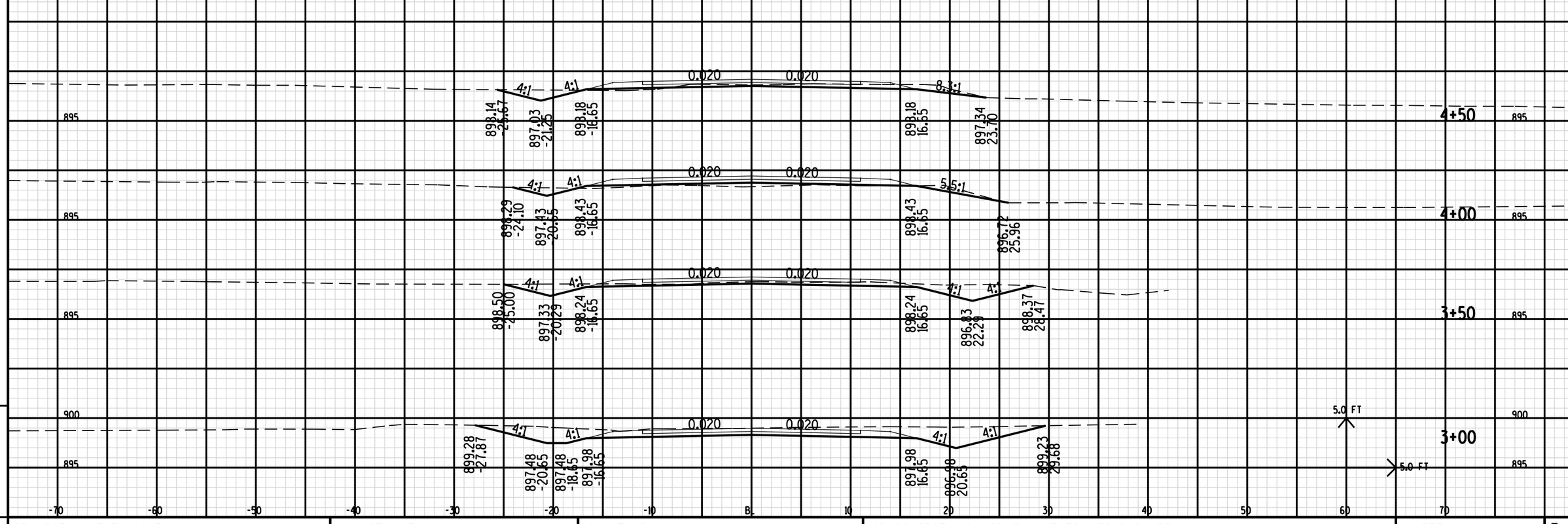
PROJECT NO: 5670-00-74	HWY: STH 213	COUNTY: ROCK	CROSS SECTIONS: AHARA ROAD	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090204_xs.DGN PLOT DATE : 24-JAN-2013 13:19 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



PROJECT NO: 5670-00-74	HWY: STH 213	COUNTY: ROCK	CROSS SECTIONS: AHARA ROAD	SHEET NO:

FILE NAME : R:\Projects\d1_56700004\090205_xs.DGN PLOT DATE : 25-JAN-2013 07:51 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000



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PROJECT NO: 5670-00-74	HWY: STH 213	COUNTY: ROCK	CROSS SECTIONS: MOBILE HOME TRAILER PARK PE	SHEET NO:	E

FILE NAME : R:\Projects\d1_56700004\090206_xs.DGN PLOT DATE : 25-JAN-2013 07:52 PLOT BY : dotj3j PLOT NAME : PLOT SCALE : 10.000000:1.000000

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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