GRE

DECEMBER 2018

PROJECT ID: 4140-19-71

WITH: N/A

COUNTY: DOOR

ORDER OF SHEETS

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

TOTAL SHEETS = 616





DESIGN DESIGNATION

A.A.D.T.	2019	= 6,000
A.A.D.T.	2039	= 6,600
D.H.V.		= 775
D.D.		= 63/37
T.		= 13.3 %
DESIGN SPEED		= 30-60 MPH
ESALS		= 970,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4140-19-71		

GIBRALTAR - SISTER BAY

BLUFF LANE - COUNTRY WALK DRIVE

STH 42

DOOR COUNTY

STATE PROJECT NUMBER
4140-19-71



LAYOUT
SCALE 0 2.0 MI

TOTAL NET LENGTH OF CENTERLINE = 7.761 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD83 (1991), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NATIONAL AMERICAN VERTICAL DATUM OF NAVD88.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NE REGION
Designer	D. KIRST
Project Manager	J. J. ASHAUER
Regional Examiner	
Regional Supervisor	J. F. THOMPSON

APPROVED FOR THE DEPARTMENT

DATE: 10/9/18 (Signature)

E

UTILITY CONTACTS

COMMUNICATION LINE CHARTER COMMUNICATIONS	BRUCE HENRY 1623 BROADWAY AVENUE SHEBOYGAN, WI 53081 (920)907-7720 bruce.henry@charter.com
COMMUNICATION LINE FRONTIER COMMUNICATIONS	RUSS RYAN 107 PLEASANTVIEW DRIVE PLYMOUTH, WI 53073 TELEPHONE: (920) 583-3275 Russell.w.ryan@ftr.com
AIRPORT FACILITY	EPHRAIM-FISH CREEK AIRPORT PETE NEWKIRK 11472 LAKE VIEW RD ELLISON BAY, WI 54210 TELEPHONE: (920) 854-9711
COMMUNICATION LINE NET LEC	DENNIS LAFAVE 1700 INDUSTRIAL DRIVE GREEN BAY, WI 54302 TELEPHONE: (920) 619-9774 dlafave@mi-tech.us
ELECTRICITY WISCONSIN PUBLIC SERVICE	SCOTT GAUGER 2850 S. ASHLAND AVENUE GREEN BAY, WI 54307 TELEPHONE: (920) 660-0430 SJGauger@wisconsinpublicservice.com
SEWER EPHRAIM SANITARY	RUSSEL SALFI P.O. BOX 138 EPHRAIM, WI 54211 (920) 854-4991 rsalfi@ephraim-wisconsin.com

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

SEWER FISH CREEK SANITARY	JOSEPH BURRESS 3815 COUNTY ROAD F P.O. BOX 55 FISH CREEK, WI 54212 TELEPHONE: (920) 868-3372
SEWER SISTER BAY SANITARY	MICHAEL SCHELL P.O. Box 91 SISTER BAY, WI 54234 (920) 854-2246 (920) 421-0257 (MOBILE) Mike.schell@sisterbay.wi.gov
WATER SISTER BAY WATER	MICHAEL SCHELL P.O. Box 91 SISTER BAY, WI 54234 (920) 854-2246 (920) 421-0257 (MOBILE) Mike.schell@sisterbay.wi.gov

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PAVEMENT GRADES
EROSION CONTROL
REMOVAL PLAN
STORM SEWER
PLANTING
PERMANENT SIGNING
PAVEMENT MARKINGS
LIGHTING PLAN
TRAFFIC CONTROL
ALIGNMENT DETAIL

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
ASPH	ASPHALTIC
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICES
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CMCP	CULVERT PIPE CORRUGATED METAL
CONC	CONCRETE
CP	CULVERT PIPE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EB	EASTBOUND
FE	FIELD ENTERANCE
FL	FLOW LINE
HE	HIGH EASEMENT
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LP	LOW POINT
LT	LEFT
M/L	MATCHLINE
MIN	MINIMUM
NB	NORTHBOUND
NC	NORMAL CROWN
NOR	NORMAL
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTERANCE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
PRC	POINT OF REVERSE CURVE
PRW	PROPOSED RIGHT OF WAY
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RRSP	RAILROAD SPIKE
RT	RIGHT
SALV	SALVAGE
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND

GENERAL NOTES

1. NO SHRUBS OR TREES ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER
2. EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS OTHERWISE DIRECTED BY THE ENGINEER
3. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SUBGRADE SHOULDER POINTS, ARE TO BE RESTORED WITH EITHER SOD OR FERTILZER, SEED, AND MULCH/EMAT WITHIN 5 CALENDAR DAYS OF FINAL GRADING/TOPSOILING OR AS DIRECTED BY THE ENDGINEER. IF SOD IS UNAVAILABLE AT THE TIME OF FINAL GRADING/TOPSOILING RESTORE DISTURBED AREAS WITH FERTILIZER, TEMPORARY SEED, AND MULCH/EMAT UNTIL SOD BECOMES AVAILABLE.
4. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK.
5. MODIFICATIONS TO SIDEROAD MILL/OVERLAY LIMITS MUST BE APPROVED BY FIELD ENGINEER.
6. ALL CURB AND GUTTER GRADES SHALL BE VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION OF CURB AND GUTTER.
7. CURB AND GUTTER GRADES ARE TO THE FLANGE UNLESS OTHERWISE NOTED
8. ALL OPENINGS OF HOLES BELOW SUBGRADE RESULTING FROM REMOVALS, ABANDONMENTS OR STORM SEWER SHALL BE BACKFILLED WITH GRANULAR BACKFILL. GRANULAR BACKFILL SHALL BE INCLUDED IN THE CONTRACT PRICE OF THE REMOVAL OR ABANDONMENT ITEM.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE.
10. SIDEWALK REPLACEMENT SHOULD BE TO THE NEAREST JOINT. LIMITS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE TO BE VERIFIED IN THE FIELD BY THE ENGINEER.
11. 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.

HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS:

THICKNESS	LAYERS	ASPHALT MIX BID ITEM
2-INCH	ONE 2-INCH UPPER LAYER	4 LT 58-28 S
4-INCH	ONE 1¾-INCH UPPER LAYER ONE 2¼-INCH LOWER LAYER	4 LT 58-28 S 3 LT 58-28 S
5-INCH	ONE 2-INCH UPPER LAYER ONE 3-INCH LOWER LAYER	4 LT 58-28 S 3 LT 58-28 S
6¼-INCH	*ONE 1¾-INCH UPPER LAYER TWO 2¼-INCH LOWER LAYERS	4 LT 58-28 S ASPHALTIC BASE**

*WHEN PAVING CONCURRENTLY WITH 2-INCH OVERLAY AREAS MILL ¼-INCH OF ASPHALTIC BASE AND INCREASE UPPER LAYER THICKNESS TO 2-INCHES

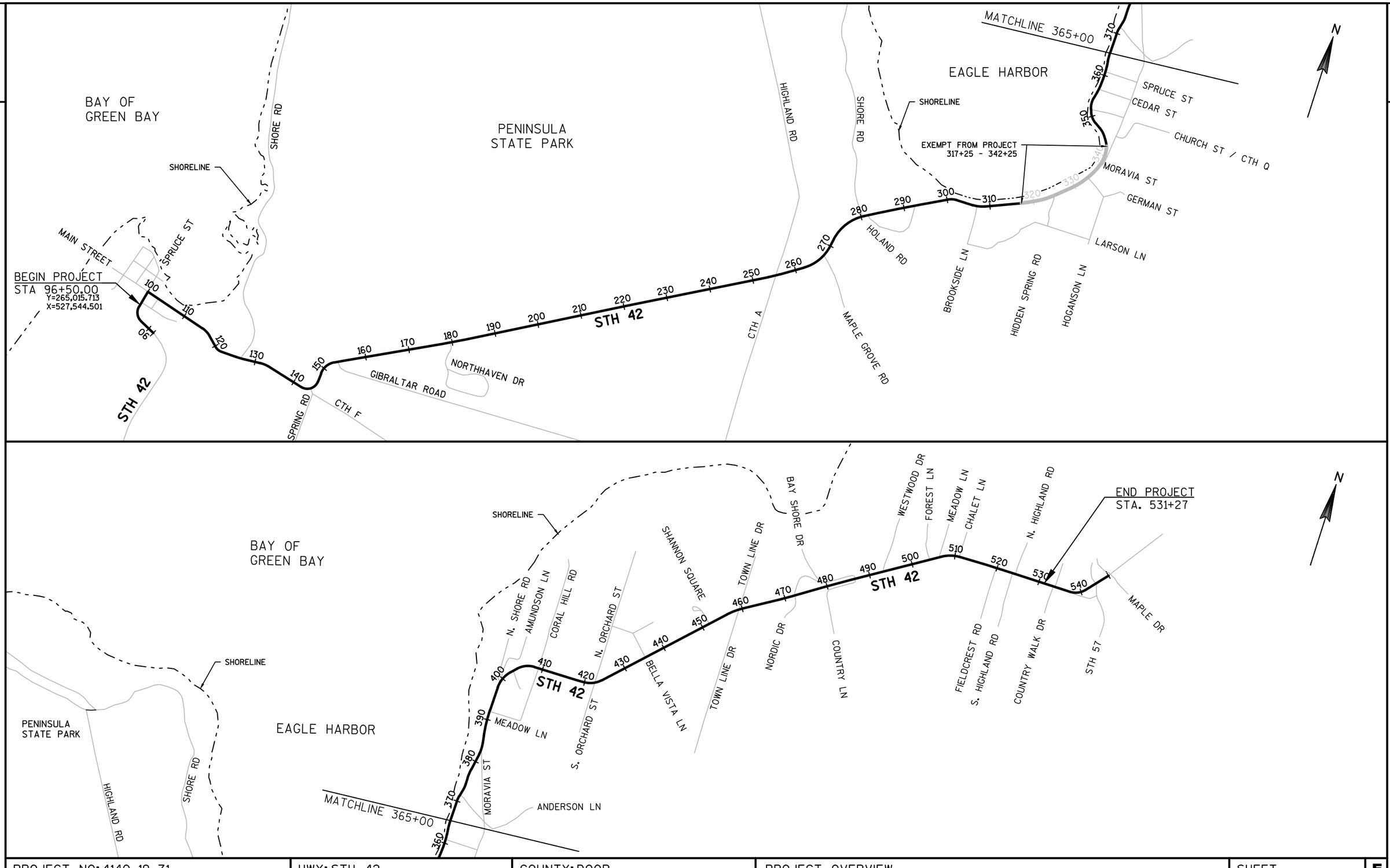
**ASPHALTIC BASE MIXTURE TO MEET 3 LT GRADATION, SEE SPECIAL PROVISIONS

LIGHTING PLAN, SPRING ROAD SIDEWALK, AND CTH F SIDEWALK DESIGNED AND PREPARED BY SHORT ELLIOTT HENDRICKSON INC. (SEH).

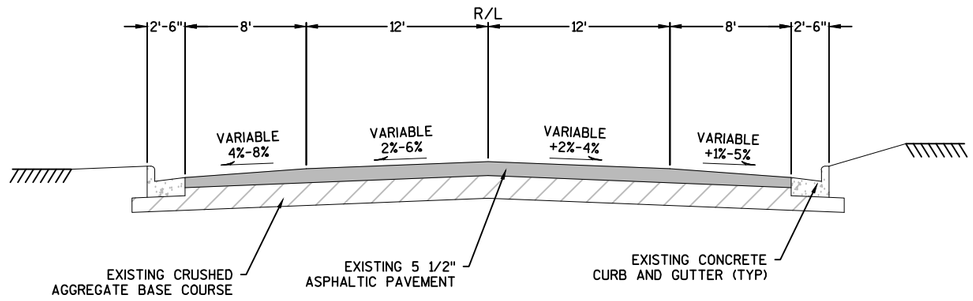
WISCONSIN
JEFFREY R. SAXBY
35570-006
APPLETON
WI
PROFESSIONAL ENGINEER

7/31/18
(DATE)
(SIGNATURE)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	GENERAL NOTES	SHEET 2	E

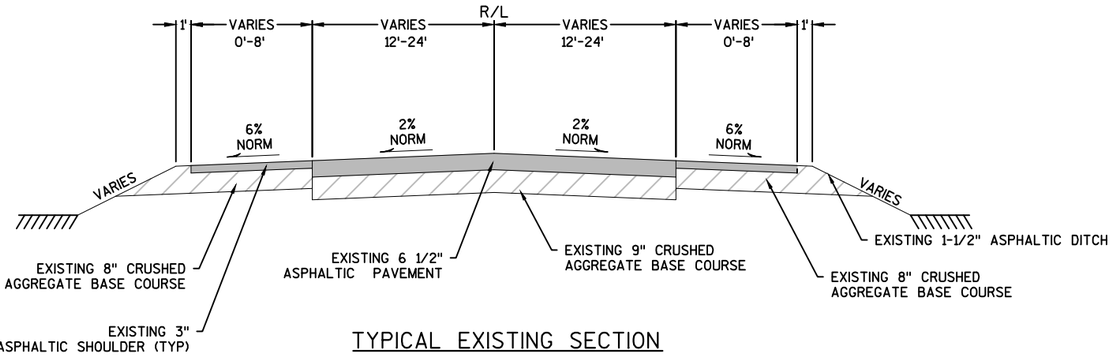


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PROJECT OVERVIEW	SHEET 3	E



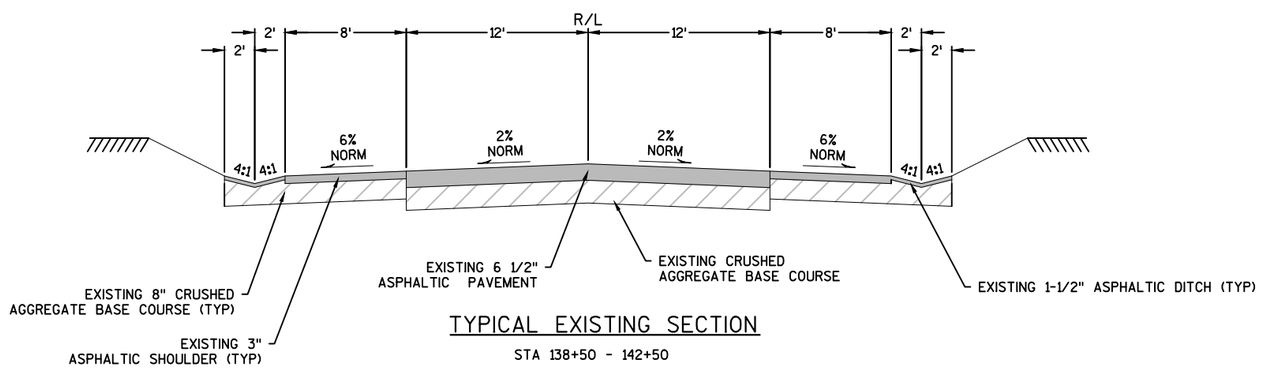
TYPICAL EXISTING SECTION

STA 96+50 - 135+00



TYPICAL EXISTING SECTION

STA 135+00 - 138+50
STA 142+50 - 146+65

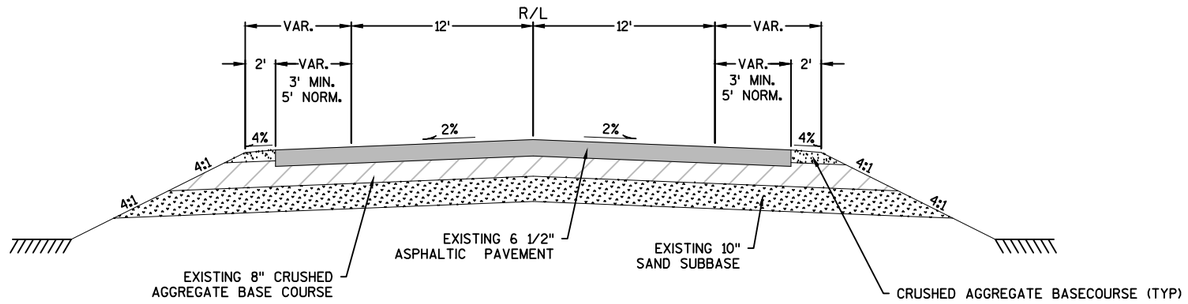


TYPICAL EXISTING SECTION

STA 138+50 - 142+50

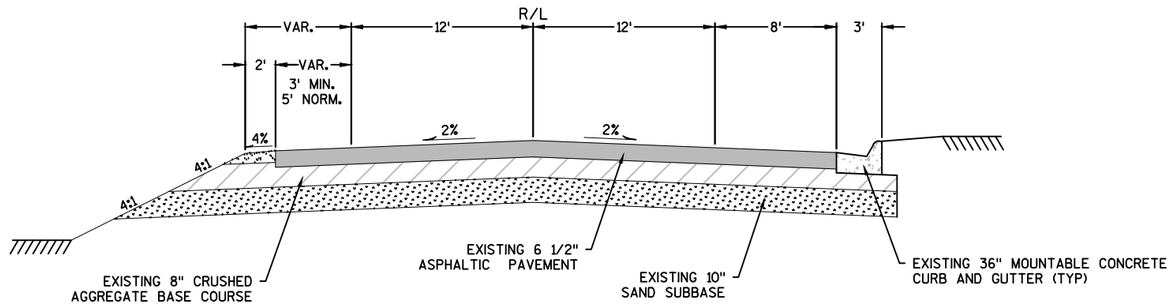
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EXISTING TYPICAL SECTIONS	SHEET 4	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-TS
PLOT DATE : 7/24/2018 11:30 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1:10
WISDOT/CADDS SHEET 42



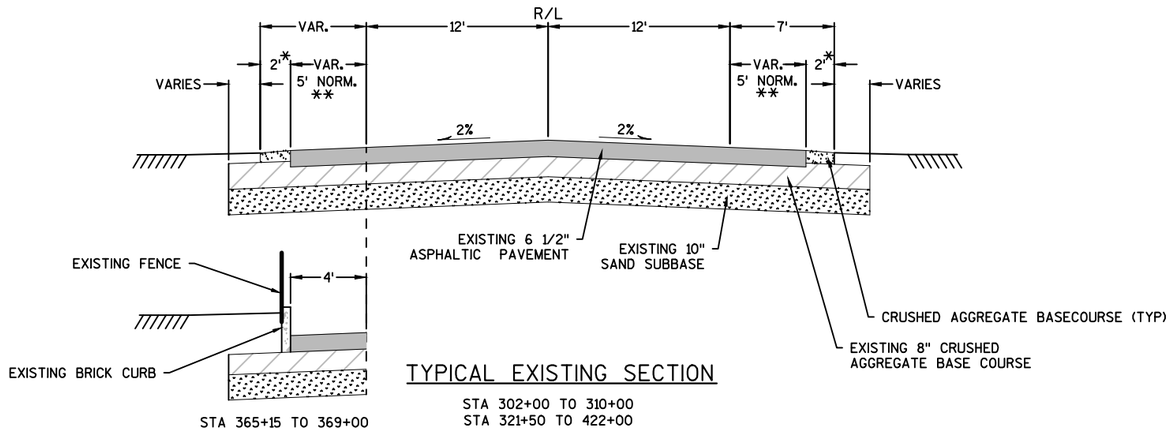
TYPICAL EXISTING SECTION

STA 146+65 - 197+87
STA 199+65 - 302+00
STA 422+00 - 528+40



TYPICAL EXISTING SECTION

STA 197+87 TO 199+65



STA 365+15 TO 369+00

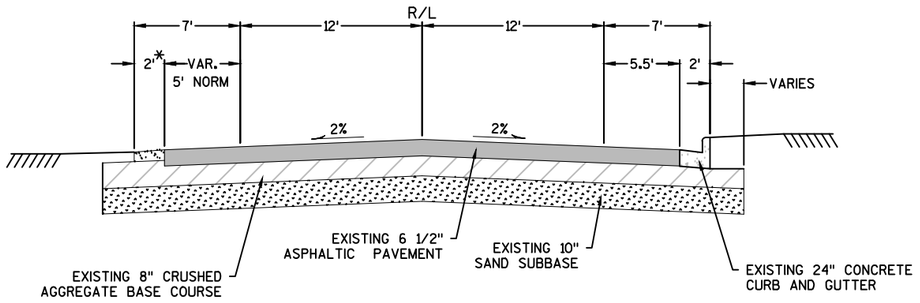
TYPICAL EXISTING SECTION

STA 302+00 TO 310+00
STA 321+50 TO 422+00

*WIDTH VARIES BETWEEN 0' AND 2'

**WIDTH VARIES BETWEEN 5' AND 12' FROM STA 303+25 TO 307+40
WIDTH VARIES BETWEEN 1' TO 5' FROM STA. 423+23 TO 459+20

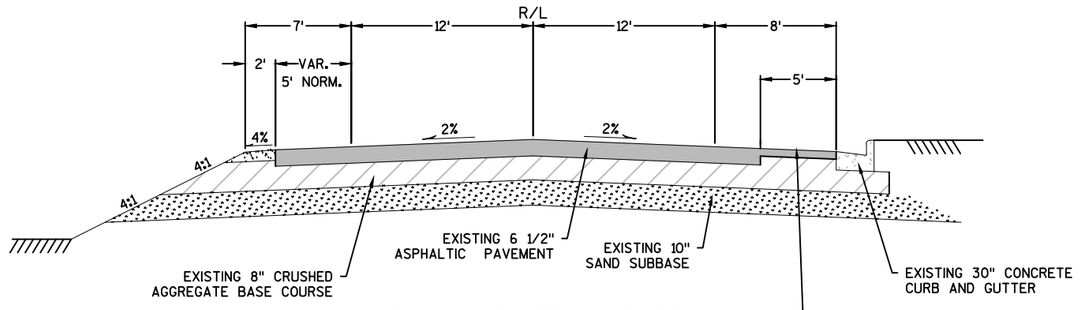
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EXISTING TYPICAL SECTIONS	SHEET 5	E



TYPICAL EXISTING SECTION

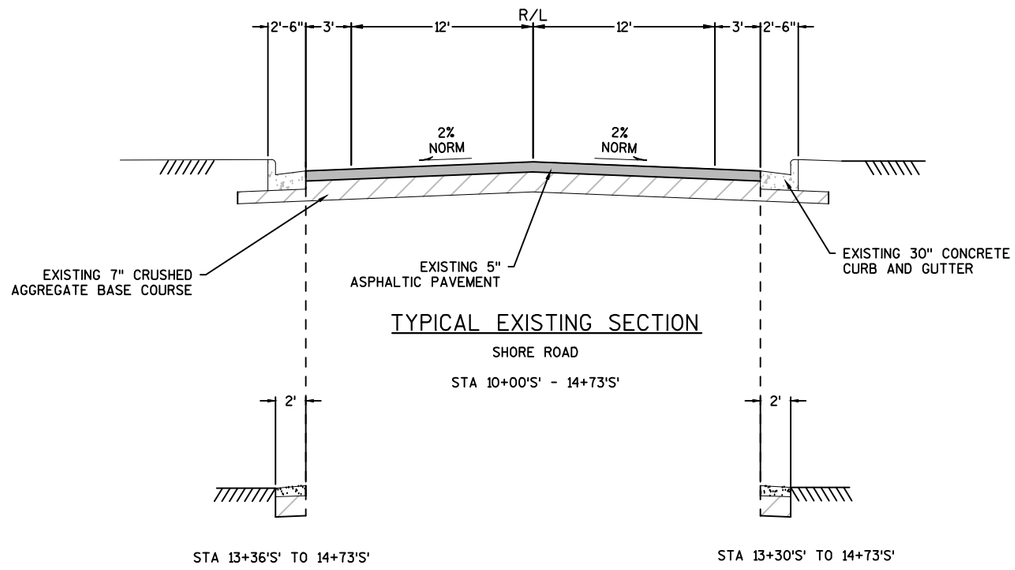
STA 310+00 TO 321+50

*WIDTH VARIES BETWEEN 0' AND 2'



TYPICAL EXISTING SECTION

STA 528+40 TO 531+27



TYPICAL EXISTING SECTION

SHORE ROAD

STA 10+00'S' - 14+73'S'

STA 13+36'S' TO 14+73'S'

STA 13+30'S' TO 14+73'S'

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EXISTING TYPICAL SECTIONS	SHEET 6	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020303-TS

PLOT DATE : 7/24/2018 11:30 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1:10

WISDOT/CADDS SHEET 42

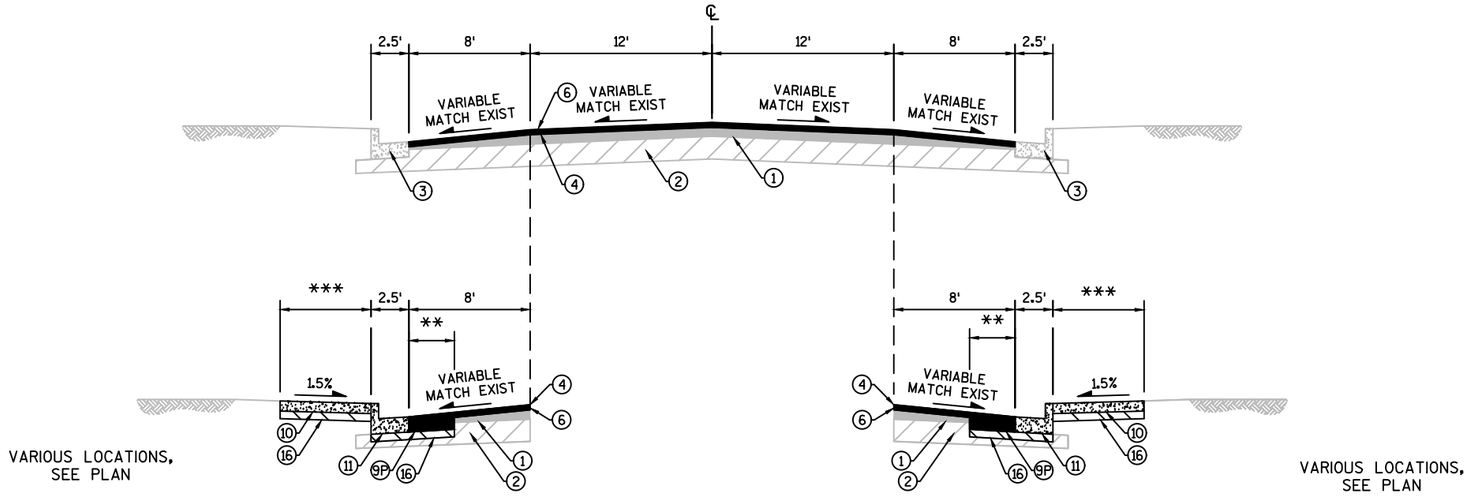
2

1. EXISTING VARIABLE DEPTH ASPHALTIC PAVEMENT
2. EXISTING CRUSHED AGGREGATE BASE COURSE TO REMAIN
3. EXISTING CONCRETE CURB AND GUTTER TO REMAIN
4. MILL 2 INCHES EXISTING ASPHALTIC PAVEMENT
5. MILL 5 INCHES EXISTING ASPHALTIC PAVEMENT
6. 2-INCHES HMA PAVEMENT
7. 4-INCHES HMA PAVEMENT
8. 5-INCHES HMA PAVEMENT
9P. 2-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE*
9. 1¾-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
10. CONCRETE SIDEWALK 4-INCH
11. 30-INCH CURB AND GUTTER, TYPE D
12. 4-INCH SLOPED CURB AND GUTTER 30-INCH, TYPE J
13. 2-INCHES ¾-INCH BASE AGGREGATE DENSE
14. 4-INCHES ¾-INCH BASE AGGREGATE DENSE
15. 6¼-INCHES ¾-INCH BASE AGGREGATE DENSE
16. 3-INCHES 1¼-INCH BASE AGGREGATE DENSE
17. 10-INCHES 1¼-INCH BASE AGGREGATE DENSE
18. 12-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
19. MGS GUARDRAIL
20. PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS
21. 6-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
22. 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
23. 18-INCH CONCRETE CURB AND GUTTER, TYPE D
24. COLORED CONCRETE - WEATHERED TERRA COTTA (U-31 BUTTERFIELD)

* MILL ¼-INCH ASPHALTIC BASE LOWER LAYER PRIOR TO PLACING UPPER SURFACE

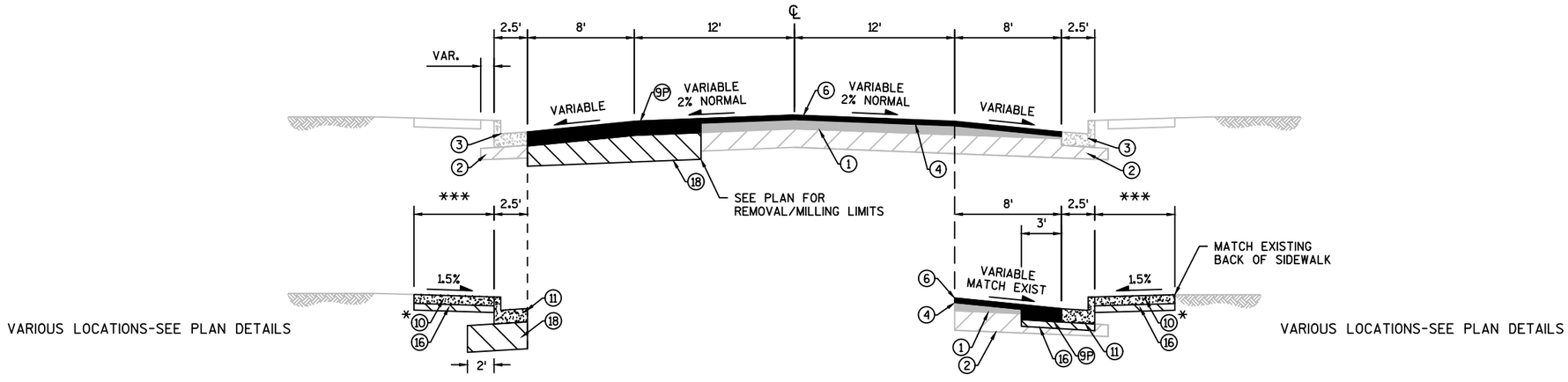
** 3-FT WIDTH WHEN CURB AND GUTTER IS SLIP FORMED
1-FT WIDTH WHEN CURB AND GUTTER IS HAND POURED

*** MATCH EXISTING SIDEWALK WIDTH OR AS SHOWN IN PLAN
6' DESIRABLE, 5' MIN WIDTH



TYPICAL FINISHED SECTION STH 42

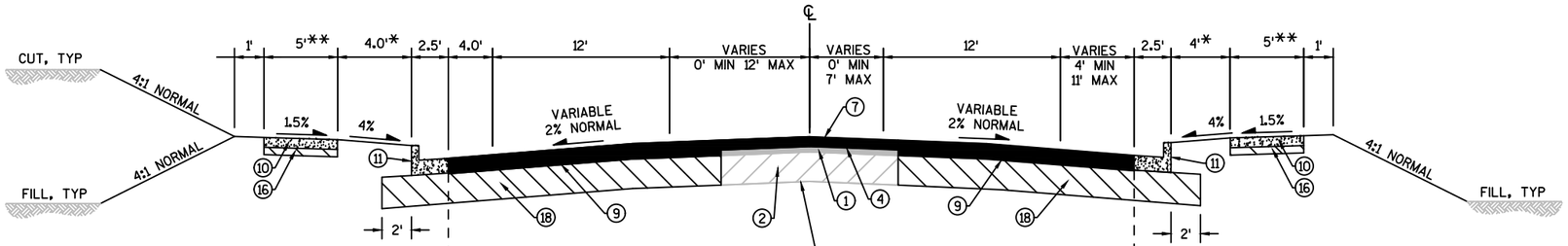
STA 96+50 TO STA 126+53

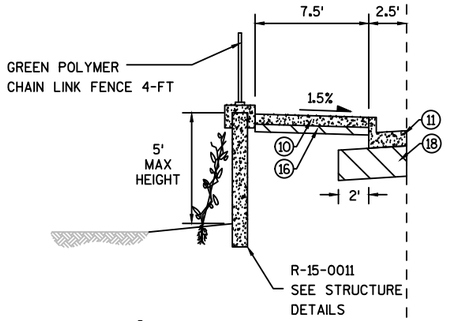


TYPICAL FINISHED SECTION STH 42

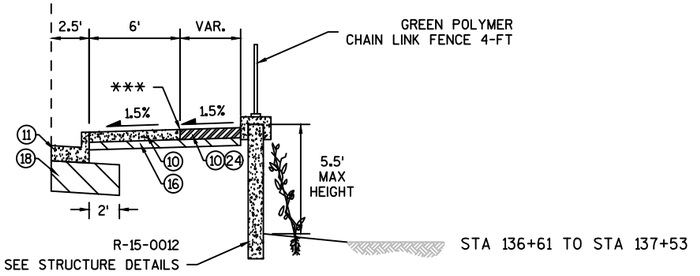
STA 126+53 TO STA 134+35

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PROPOSED TYPICAL SECTIONS	SHEET 7	E

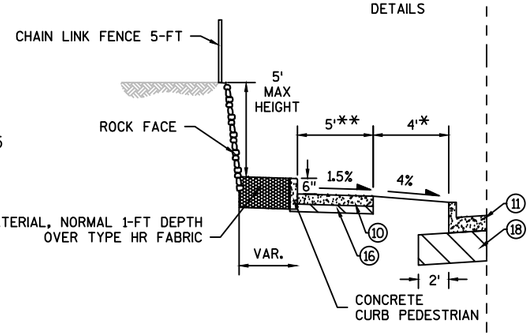




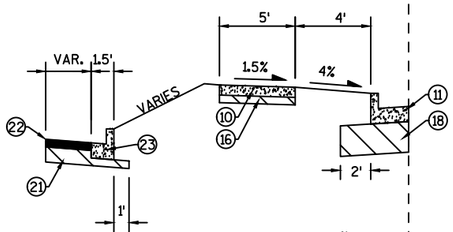
STA 134+91 TO STA 136+82



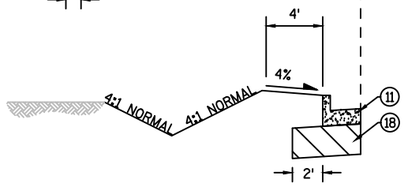
STA 136+61 TO STA 137+53



STA 139+40 TO STA 141+75



STA 145+08 TO STA 147+21



STA 152+00 TO STA 152+94.50

TYPICAL FINISHED SECTION

STH 42
STA 134+35 TO STA 143+68
STA 145+08 TO STA 147+21
STA 148+15 TO STA 152+94.50

1. EXISTING VARIABLE DEPTH ASPHALTIC PAVEMENT
2. EXISTING CRUSHED AGGREGATE BASE COURSE TO REMAIN
3. EXISTING CONCRETE CURB AND GUTTER TO REMAIN
4. MILL 2 INCHES EXISTING ASPHALTIC PAVEMENT
5. MILL 5 INCHES EXISTING ASPHALTIC PAVEMENT
6. 2-INCHES HMA PAVEMENT
7. 4-INCHES HMA PAVEMENT
8. 5-INCHES HMA PAVEMENT
9. 2-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
9. 1¾-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
10. CONCRETE SIDEWALK 4-INCH
11. 30-INCH CURB AND GUTTER, TYPE D
12. 4-INCH SLOPED CURB AND GUTTER 30-INCH. TYPE J
13. 2-INCHES ¾-INCH BASE AGGREGATE DENSE
14. 4-INCHES ¾-INCH BASE AGGREGATE DENSE
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18. 12-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
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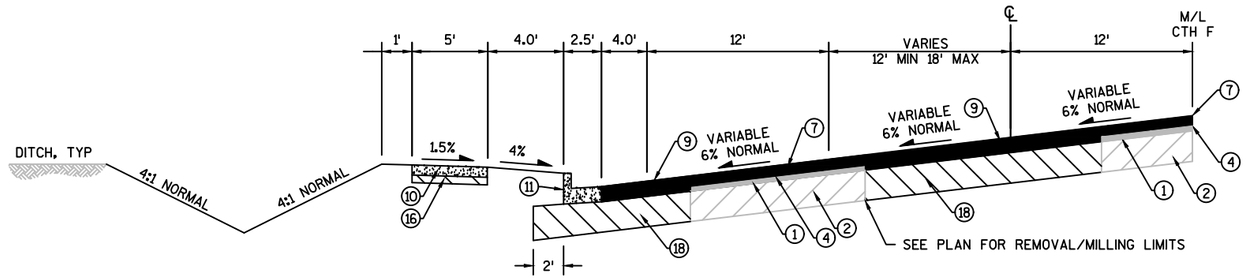
* TERRACE WIDTH IS ZERO BETWEEN STA 134+35 TO 141+62 LEFT, STA 134+60 TO 142+83 RIGHT, AND STA 146+67 TO 148+97 RIGHT.

** SIDEWALK WIDTH IS 6' BETWEEN STA 134+35 TO 141+62 LEFT, STA 134+60 TO 141+83 RIGHT, AND STA 146+67 TO 148+97 RIGHT

*** INSTALL 1/2-INCH FELT BETWEEN COLORED CONCRETE AND NON-COLORED CONCRETE SIDEWALK, INCIDENTAL TO COLORED CONCRETE ITEM

SEE PLANTING DETAIL

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PROPOSED TYPICAL SECTIONS	SHEET 8	E

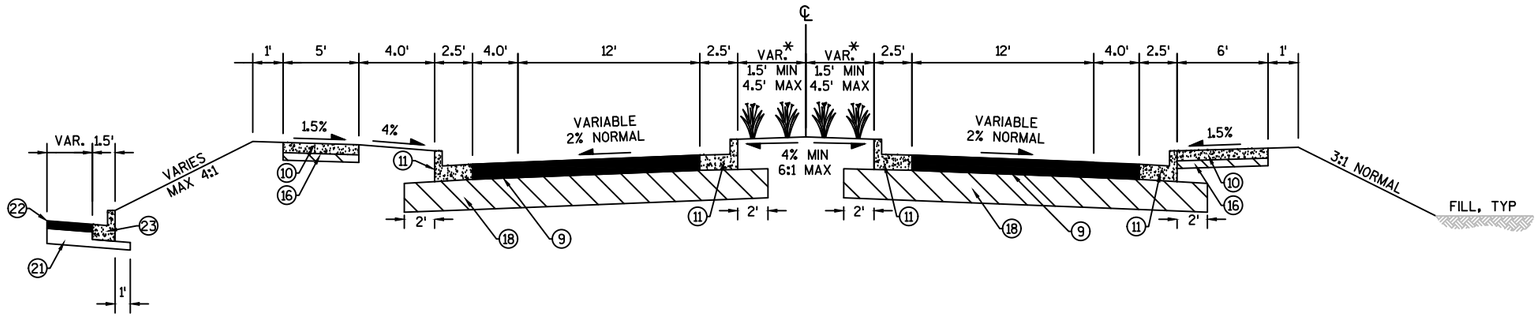


TYPICAL FINISHED SECTION STH 42

STA 143+68 TO STA 145+08

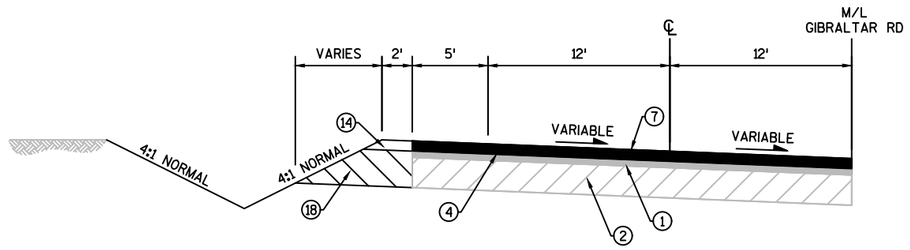
1. EXISTING VARIABLE DEPTH ASPHALTIC PAVEMENT
2. EXISTING CRUSHED AGGREGATE BASE COURSE TO REMAIN
3. EXISTING CONCRETE CURB AND GUTTER TO REMAIN
4. MILL 2 INCHES EXISTING ASPHALTIC PAVEMENT
5. MILL 5 INCHES EXISTING ASPHALTIC PAVEMENT
6. 2-INCHES HMA PAVEMENT
7. 4-INCHES HMA PAVEMENT
8. 5-INCHES HMA PAVEMENT
9. 2-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
9P. 1¾-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
10. CONCRETE SIDEWALK 4-INCH
11. 30-INCH CURB AND GUTTER, TYPE D
12. 4-INCH SLOPED CURB AND GUTTER 30-INCH, TYPE J
13. 2-INCHES ¾-INCH BASE AGGREGATE DENSE
14. 4-INCHES ¾-INCH BASE AGGREGATE DENSE
15. 6¼-INCHES ¾-INCH BASE AGGREGATE DENSE
16. 3-INCHES 1¼-INCH BASE AGGREGATE DENSE
17. 10-INCHES 1¼-INCH BASE AGGREGATE DENSE
18. 12-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
19. MGS GUARDRAIL
20. PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS
21. 6-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
22. 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
23. 18-INCH CONCRETE CURB AND GUTTER, TYPE D
24. COLORED CONCRETE - WEATHERED TERRA COTTA (U-31 BUTTERFIELD)

SEE PLANTING DETAIL



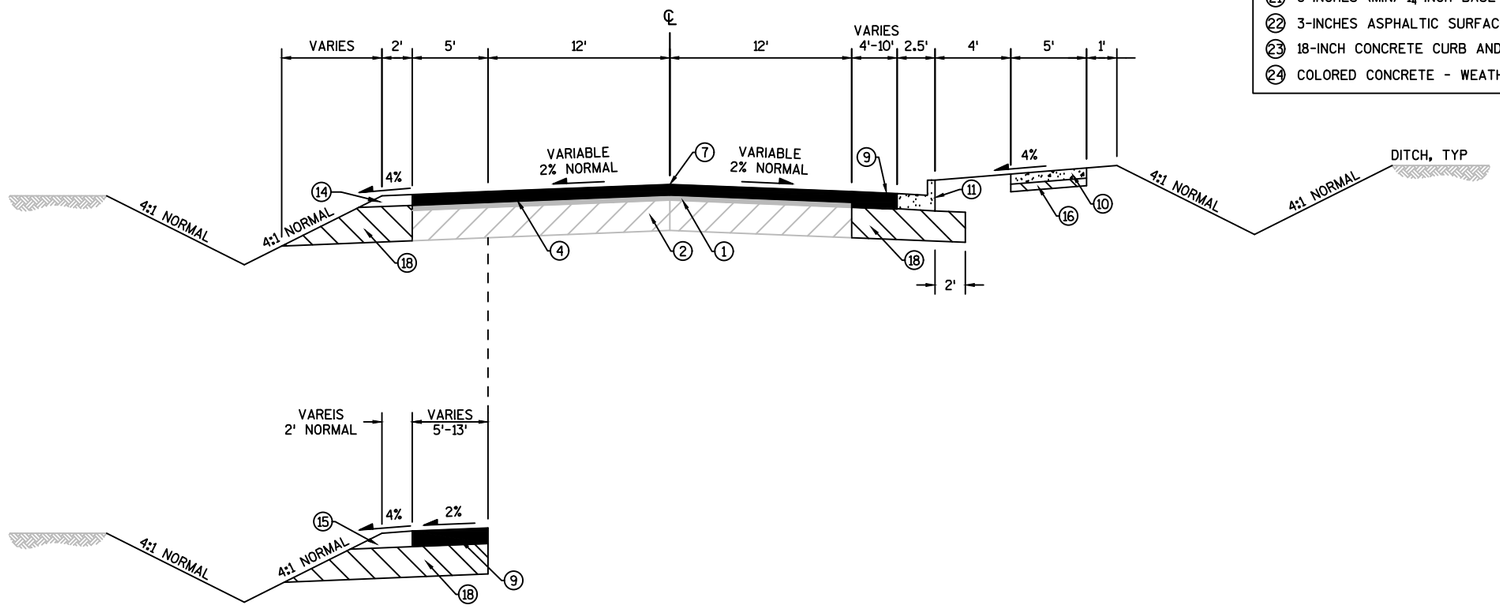
TYPICAL FINISHED SECTION STH 42

STA 147+21 TO STA 148+15



TYPICAL FINISHED SECTION STH 42

STA 152+94.50 TO STA 154+13



STA 154+75 TO STA 156+24

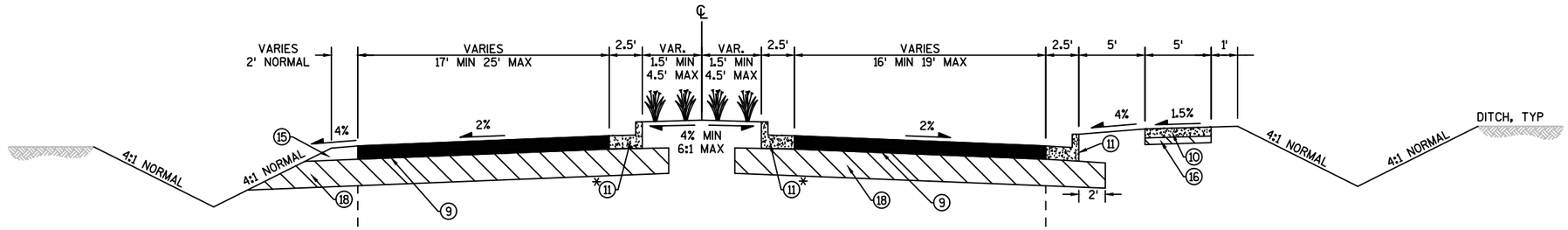
TYPICAL FINISHED SECTION STH 42

STA 154+13 TO STA 156+24

1. EXISTING VARIABLE DEPTH ASPHALTIC PAVEMENT
2. EXISTING CRUSHED AGGREGATE BASE COURSE TO REMAIN
3. EXISTING CONCRETE CURB AND GUTTER TO REMAIN
4. MILL 2 INCHES EXISTING ASPHALTIC PAVEMENT
5. MILL 5 INCHES EXISTING ASPHALTIC PAVEMENT
6. 2-INCHES HMA PAVEMENT
7. 4-INCHES HMA PAVEMENT
8. 5-INCHES HMA PAVEMENT
9P. 2-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
9. 1¾-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
10. CONCRETE SIDEWALK 4-INCH
11. 30-INCH CURB AND GUTTER, TYPE D
12. 4-INCH SLOPED CURB AND GUTTER 30-INCH. TYPE J
13. 2-INCHES ¾-INCH BASE AGGREGATE DENSE
14. 4-INCHES ¾-INCH BASE AGGREGATE DENSE
15. 6¼-INCHES ¾-INCH BASE AGGREGATE DENSE
16. 3-INCHES 1¼-INCH BASE AGGREGATE DENSE
17. 10-INCHES 1¼-INCH BASE AGGREGATE DENSE
18. 12-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
19. MGS GUARDRAIL
20. PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS
21. 6-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
22. 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
23. 18-INCH CONCRETE CURB AND GUTTER, TYPE D
24. COLORED CONCRETE - WEATHERED TERRA COTTA (U-31 BUTTERFIELD)

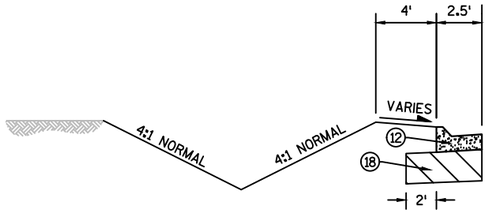
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PROPOSED TYPICAL SECTIONS	SHEET 10	E

2

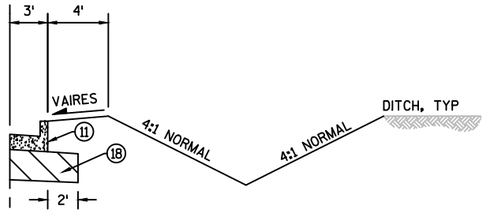


TYPICAL FINISHED SECTION STH 42

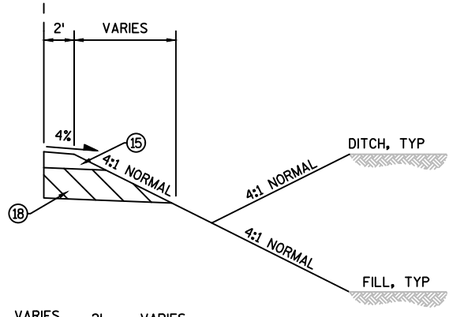
STA 156+24 TO STA 157+05



STA 156+29 TO STA 156+81



STA 156+68 TO STA 156+81

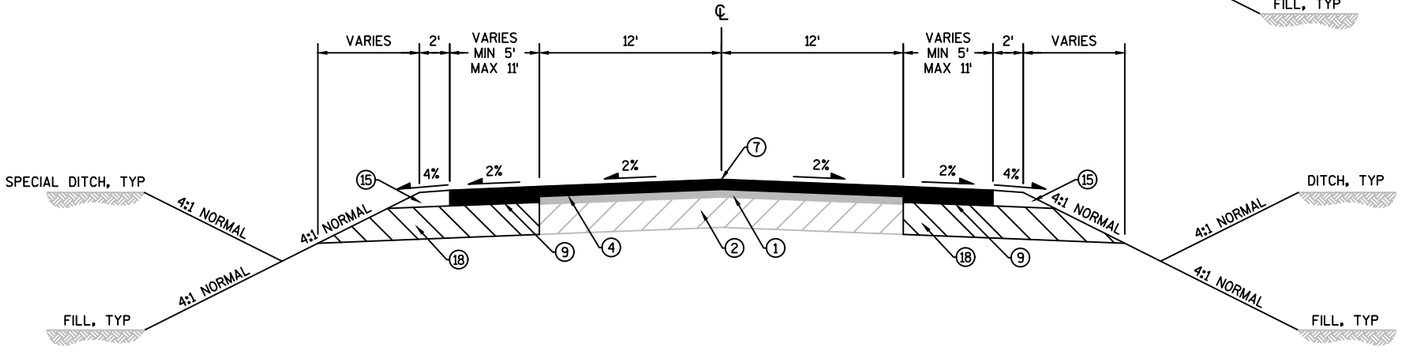


STA 156+81 TO STA 157+05

*REJECT GUTTER

SEE PLANTING DETAIL

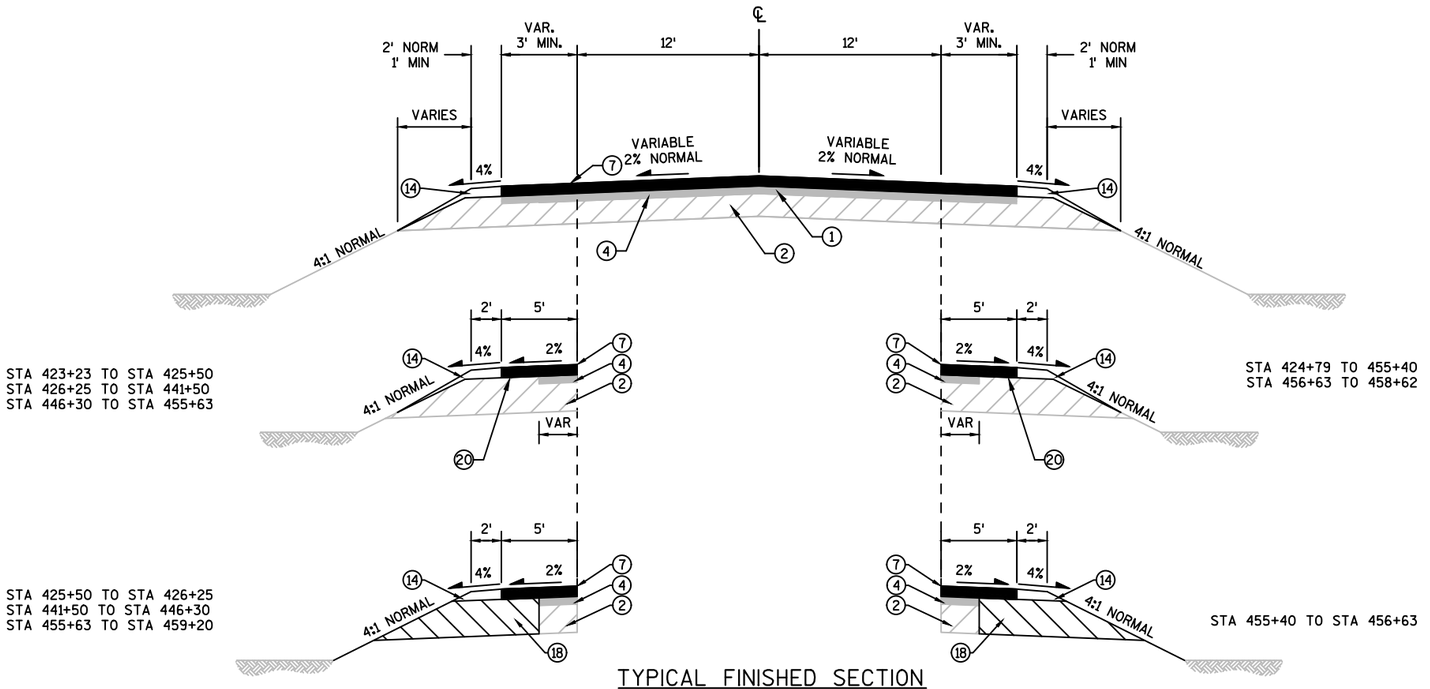
1. EXISTING VARIABLE DEPTH ASPHALTIC PAVEMENT
2. EXISTING CRUSHED AGGREGATE BASE COURSE TO REMAIN
3. EXISTING CONCRETE CURB AND GUTTER TO REMAIN
4. MILL 2 INCHES EXISTING ASPHALTIC PAVEMENT
5. MILL 5 INCHES EXISTING ASPHALTIC PAVEMENT
6. 2-INCHES HMA PAVEMENT
7. 4-INCHES HMA PAVEMENT
8. 5-INCHES HMA PAVEMENT
9P. 2-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
9. 1¾-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
10. CONCRETE SIDEWALK 4-INCH
11. 30-INCH CURB AND GUTTER, TYPE D
12. 4-INCH SLOPED CURB AND GUTTER 30-INCH, TYPE J
13. 2-INCHES ¾-INCH BASE AGGREGATE DENSE
14. 4-INCHES ¾-INCH BASE AGGREGATE DENSE
15. 6¼-INCHES ¾-INCH BASE AGGREGATE DENSE
16. 3-INCHES 1¼-INCH BASE AGGREGATE DENSE
17. 10-INCHES 1¼-INCH BASE AGGREGATE DENSE
18. 12-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
19. MGS GUARDRAIL
20. PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS
21. 6-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
22. 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
23. 18-INCH CONCRETE CURB AND GUTTER, TYPE D
24. COLORED CONCRETE - WEATHERED TERRA COTTA (U-31 BUTTERFIELD)



TYPICAL FINISHED SECTION STH 42

STA 157+05 TO STA 158+55

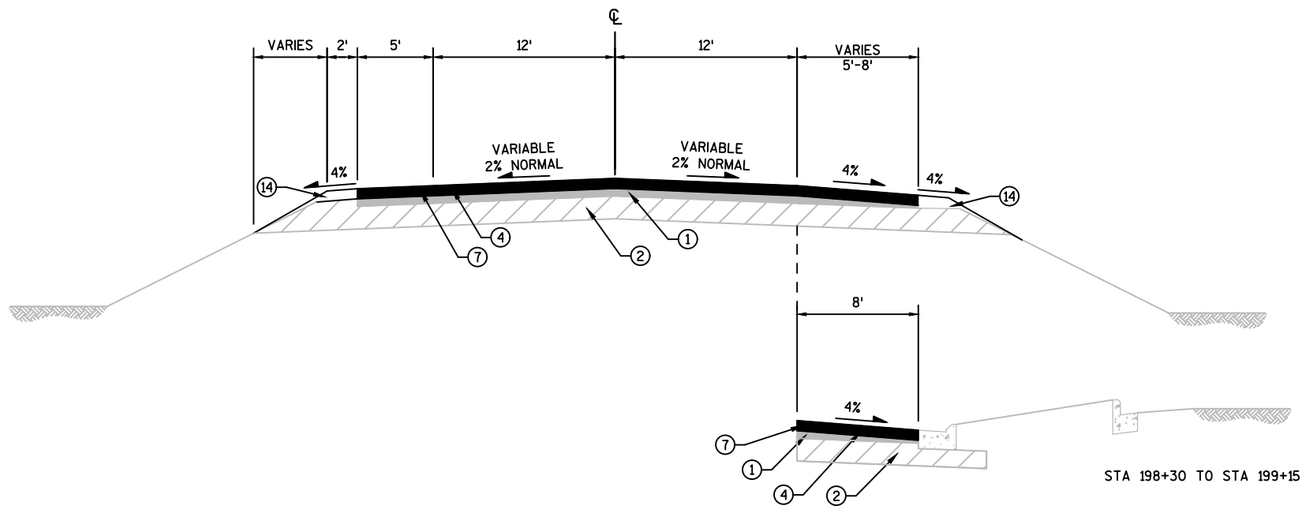
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PROPOSED TYPICAL SECTIONS	SHEET 11	E



TYPICAL FINISHED SECTION

STH 42

STA 158+55 TO STA 197+75
STA 199+60 TO STA 306+00
STA 384+00 TO STA 475+90
STA 486+75 TO STA 528+40



TYPICAL FINISHED SECTION

STH 42

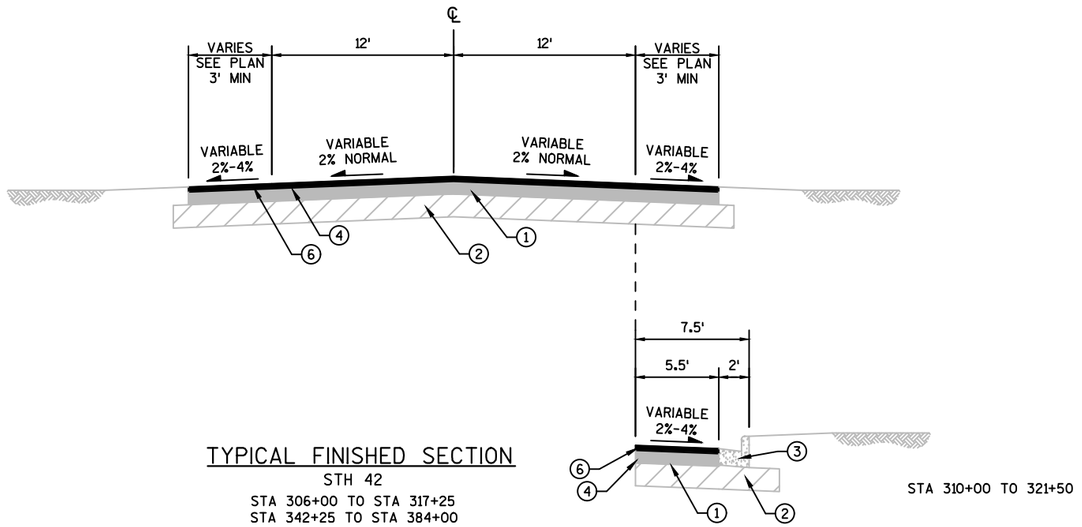
STA 197+75 TO STA 199+60

1. EXISTING VARIABLE DEPTH ASPHALTIC PAVEMENT
2. EXISTING CRUSHED AGGREGATE BASE COURSE TO REMAIN
3. EXISTING CONCRETE CURB AND GUTTER TO REMAIN
4. MILL 2 INCHES EXISTING ASPHALTIC PAVEMENT
5. MILL 5 INCHES EXISTING ASPHALTIC PAVEMENT
6. 2-INCHES HMA PAVEMENT
7. 4-INCHES HMA PAVEMENT
8. 5-INCHES HMA PAVEMENT
9P. 2-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
9. 1¾-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
10. CONCRETE SIDEWALK 4-INCH
11. 30-INCH CURB AND GUTTER, TYPE D
12. 4-INCH SLOPED CURB AND GUTTER 30-INCH, TYPE J
13. 2-INCHES ¾-INCH BASE AGGREGATE DENSE
14. 4-INCHES ¾-INCH BASE AGGREGATE DENSE
15. 6¼-INCHES ¾-INCH BASE AGGREGATE DENSE
16. 3-INCHES 1¼-INCH BASE AGGREGATE DENSE
17. 10-INCHES 1¼-INCH BASE AGGREGATE DENSE
18. 12-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
19. MGS GUARDRAIL
20. PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS
21. 6-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
22. 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
23. 18-INCH CONCRETE CURB AND GUTTER, TYPE D
24. COLORED CONCRETE - WEATHERED TERRA COTTA (U-31 BUTTERFIELD)

* WIDTH INCREASES TO A MAXIMUM OF 25' BETWEEN STA 303+15 TO 306+51

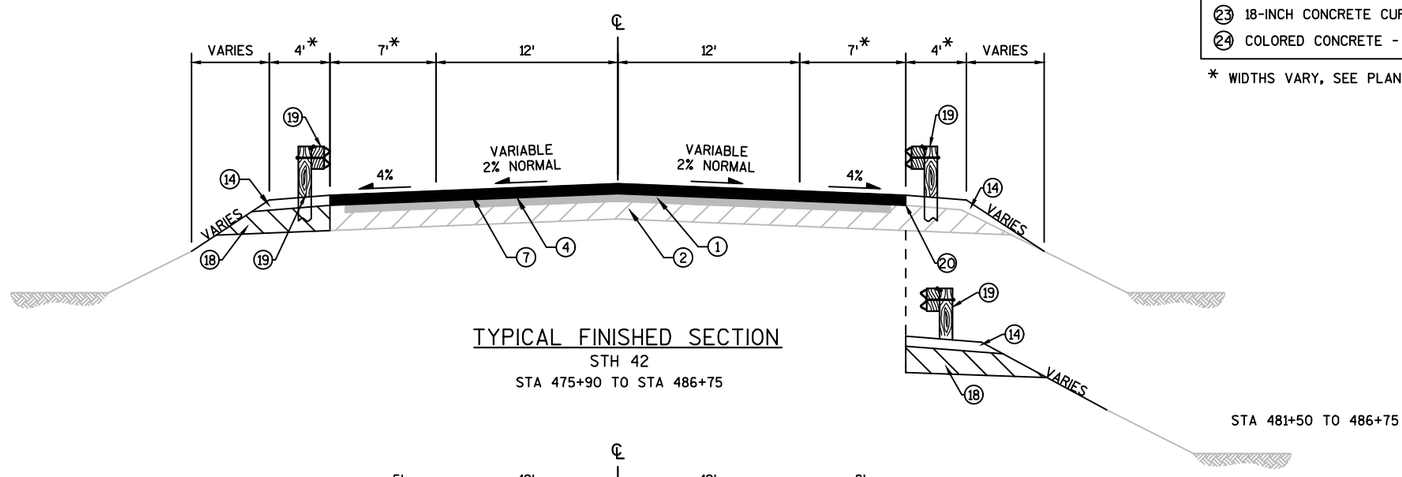
**STA 158+55 TO STA 197+75, STA 199+50 TO STA 306+00: INCREASE PAVED SHOULDER WIDTH TO 5'.

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PROPOSED TYPICAL SECTIONS	SHEET 12	E



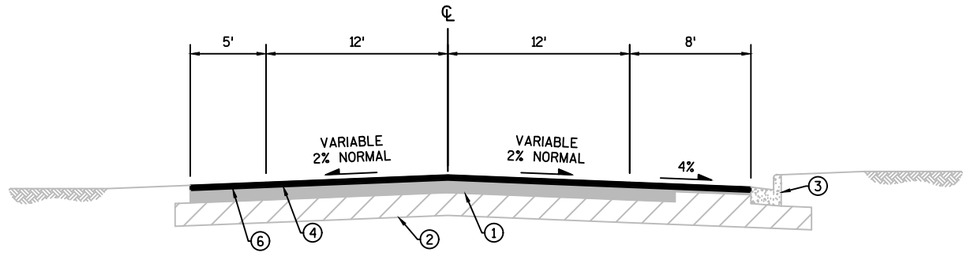
TYPICAL FINISHED SECTION
STH 42
STA 306+00 TO STA 317+25
STA 342+25 TO STA 384+00

STA 310+00 TO 321+50



TYPICAL FINISHED SECTION
STH 42
STA 475+90 TO STA 486+75

STA 481+50 TO 486+75



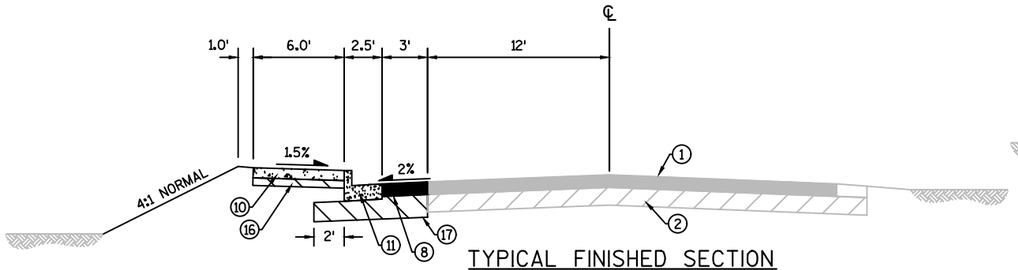
TYPICAL FINISHED SECTION
STH 42
STA 528+40 TO STA 531+27

1. EXISTING VARIABLE DEPTH ASPHALTIC PAVEMENT
2. EXISTING CRUSHED AGGREGATE BASE COURSE TO REMAIN
3. EXISTING CONCRETE CURB AND GUTTER TO REMAIN
4. MILL 2 INCHES EXISTING ASPHALTIC PAVEMENT
5. MILL 5 INCHES EXISTING ASPHALTIC PAVEMENT
6. 2-INCHES HMA PAVEMENT
7. 4-INCHES HMA PAVEMENT
8. 5-INCHES HMA PAVEMENT
9P. 2-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
9. 1¾-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
10. CONCRETE SIDEWALK 4-INCH
11. 30-INCH CURB AND GUTTER, TYPE D
12. 4-INCH SLOPED CURB AND GUTTER 30-INCH, TYPE J
13. 2-INCHES ¾-INCH BASE AGGREGATE DENSE
14. 4-INCHES ¾-INCH BASE AGGREGATE DENSE
15. 6¼-INCHES ¾-INCH BASE AGGREGATE DENSE
16. 3-INCHES 1¼-INCH BASE AGGREGATE DENSE
17. 10-INCHES 1¼-INCH BASE AGGREGATE DENSE
18. 12-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
19. MGS GUARDRAIL
20. PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS
21. 6-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
22. 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
23. 18-INCH CONCRETE CURB AND GUTTER, TYPE D
24. COLORED CONCRETE - WEATHERED TERRA COTTA (U-31 BUTTERFIELD)

* WIDTHS VARY, SEE PLAN

2

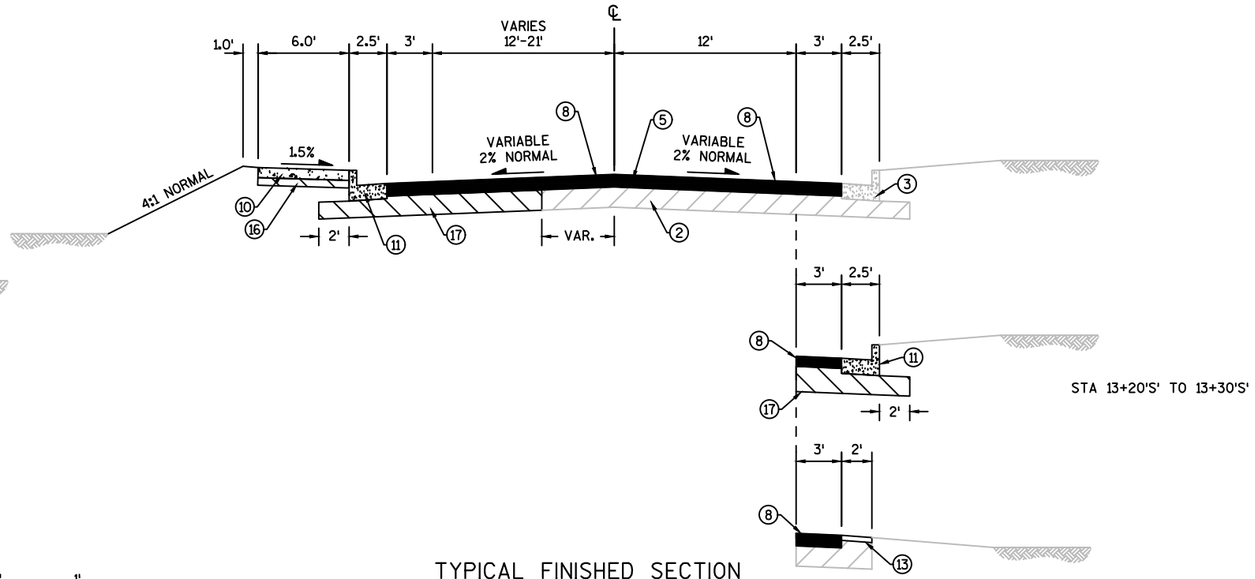
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PROPOSED TYPICAL SECTIONS	SHEET 13	E



TYPICAL FINISHED SECTION

SHORE ROAD

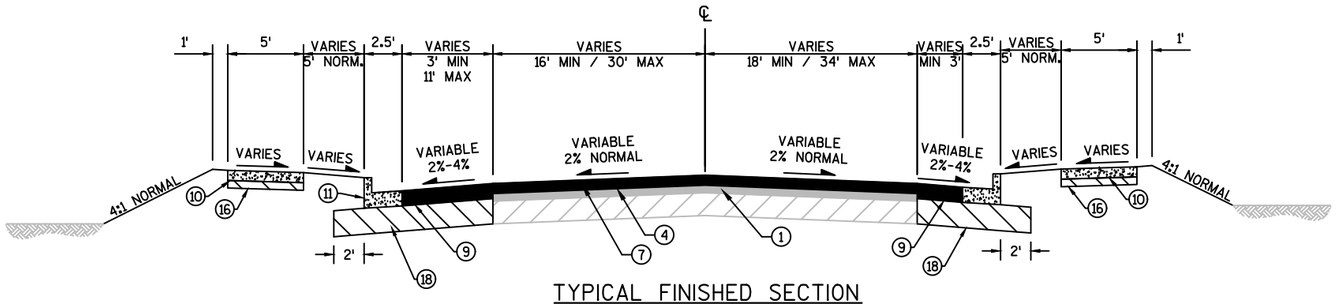
STA 14+60'S' - 15+10'S'



TYPICAL FINISHED SECTION

SHORE ROAD

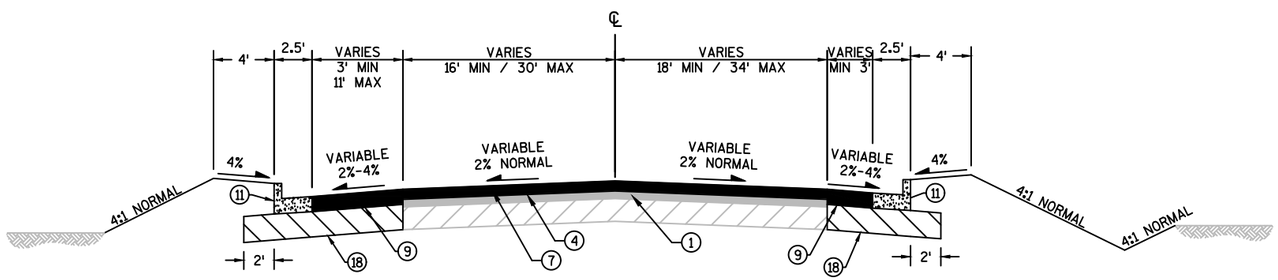
STA 10+00'S' - 14+60'S'



TYPICAL FINISHED SECTION

CTH F

STA 10'CF'+15 TO STA 10'CF'+81



TYPICAL FINISHED SECTION

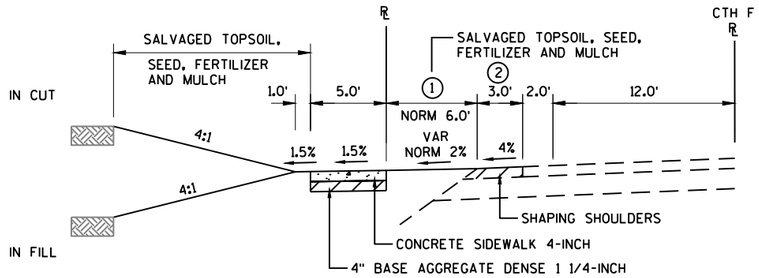
GIBRALTAR ROAD

STA 10'G'+20 TO STA 10'G'+68

1. EXISTING VARIABLE DEPTH ASPHALTIC PAVEMENT
2. EXISTING CRUSHED AGGREGATE BASE COURSE TO REMAIN
3. EXISTING CONCRETE CURB AND GUTTER TO REMAIN
4. MILL 2 INCHES EXISTING ASPHALTIC PAVEMENT
5. MILL 5 INCHES EXISTING ASPHALTIC PAVEMENT
6. 2-INCHES HMA PAVEMENT
7. 4-INCHES HMA PAVEMENT
8. 5-INCHES HMA PAVEMENT
9F. 2-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
9. 1¾-INCHES HMA PAVEMENT OVER 4 ½ INCHES ASPHALTIC BASE
10. CONCRETE SIDEWALK 4-INCH
11. 30-INCH CURB AND GUTTER, TYPE D
12. 4-INCH SLOPED CURB AND GUTTER 30-INCH. TYPE J
13. 2-INCHES ¾-INCH BASE AGGREGATE DENSE
14. 4-INCHES ¾-INCH BASE AGGREGATE DENSE
15. 6¼-INCHES ¾-INCH BASE AGGREGATE DENSE
16. 3-INCHES 1¼-INCH BASE AGGREGATE DENSE
17. 10-INCHES 1¼-INCH BASE AGGREGATE DENSE
18. 12-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
19. MGS GUARDRAIL
20. PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS
21. 6-INCHES (MIN) 1¼-INCH BASE AGGREGATE DENSE, MATCH EXISTING SUBGRADE
22. 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
23. 18-INCH CONCRETE CURB AND GUTTER, TYPE D
24. COLORED CONCRETE - WEATHERED TERRA COTTA (U-31 BUTTERFIELD)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PROPOSED TYPICAL SECTIONS	SHEET 14	E

2

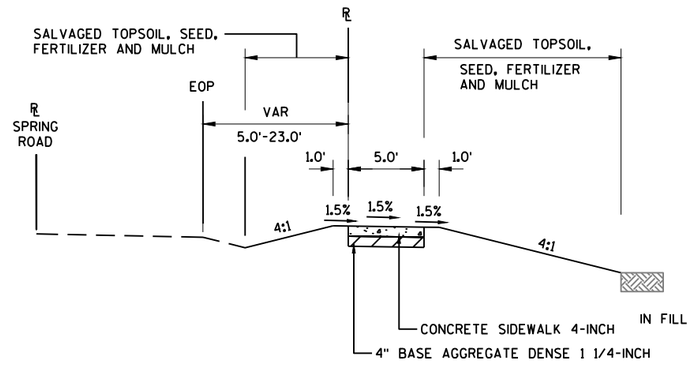


NOTES:

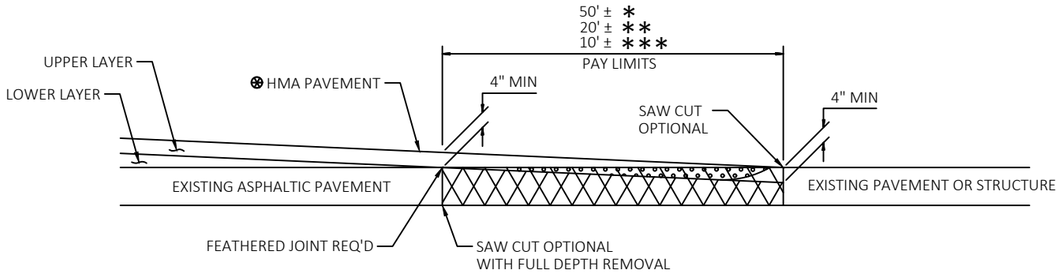
① WIDTH VARIES 5.0' TO 6.0'

② GRAVEL SHOULDER WAS ASSUMED @ 3.0'
NO SHOULDER SHOTS IN SURVEY
SUPPLIED BY WISDOT. (FIELD VERIFY)

TYPICAL FINISHED SECTION
CTH F
STA 0+00.0"SF" TO STA 2+24.12"SF" LT

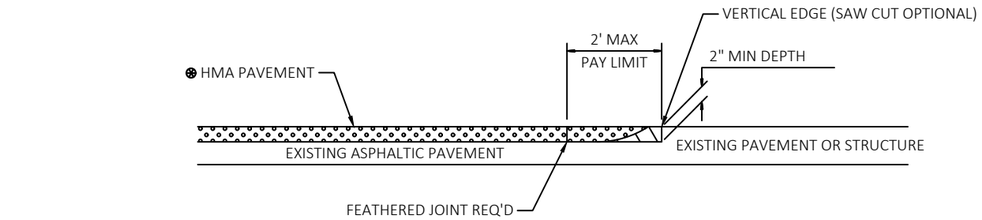


TYPICAL FINISHED SECTION
CTH F - SPRING ROAD
STA 0+00.0"SP" TO STA 1+04.5"SP"

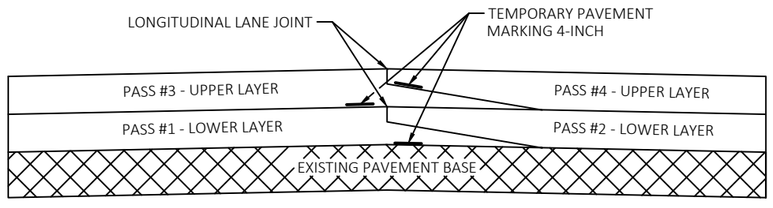


BUTT JOINT DETAIL FOR NON MILLED ASPHALTIC PAVEMENTS (PROFILE CHANGE)

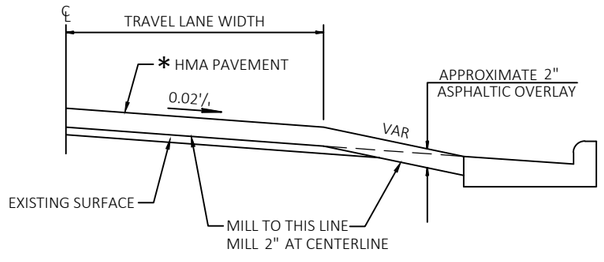
* MAINLINE
** SIDEROADS
*** PRIVATE ENTRANCES



BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)

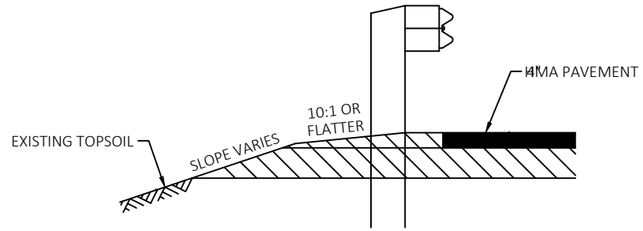


PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN HMA PAVEMENTS

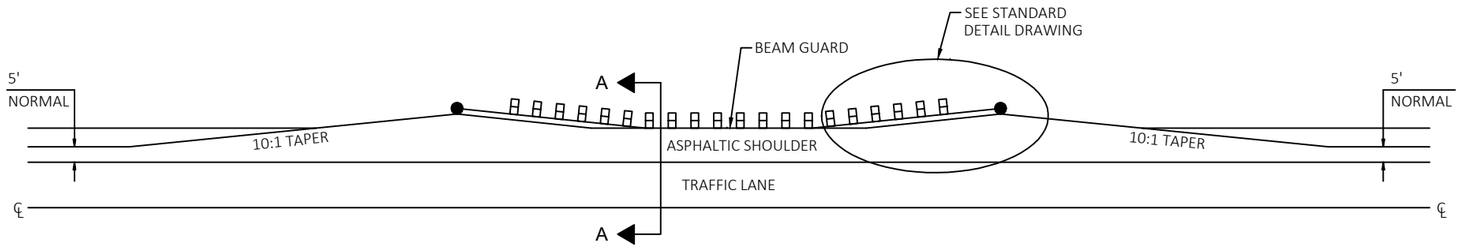


TYPICAL CROSS SECTION WITH CURB & GUTTER (MILLED)

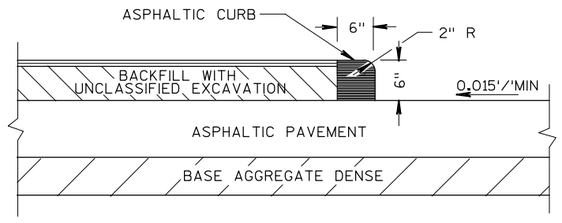
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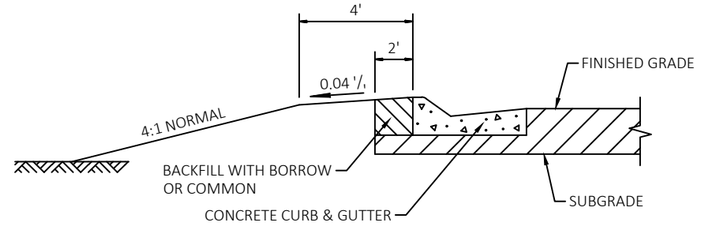
SECTION A-A



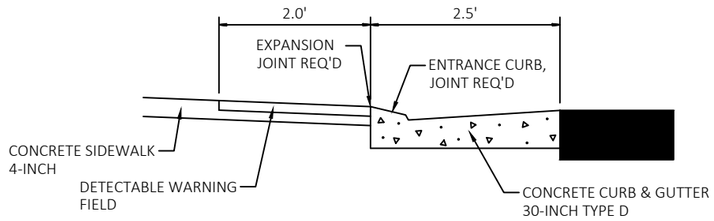
DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD



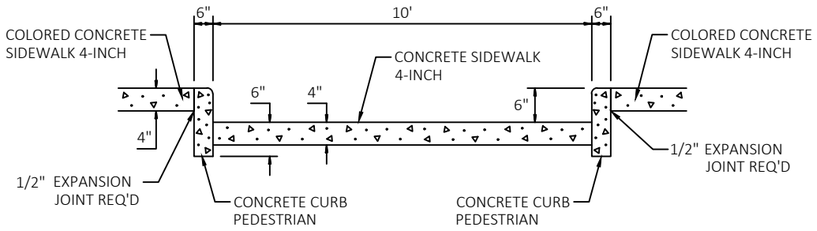
ASPHALTIC CURB DETAIL



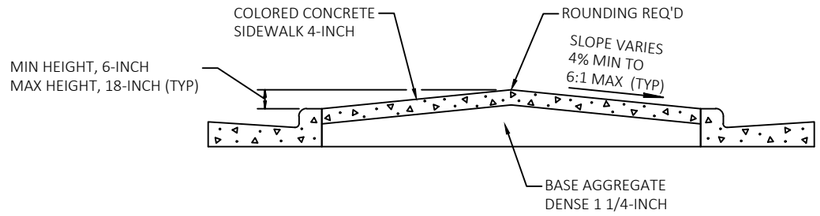
BERM DETAIL BEHIND CURB & GUTTER



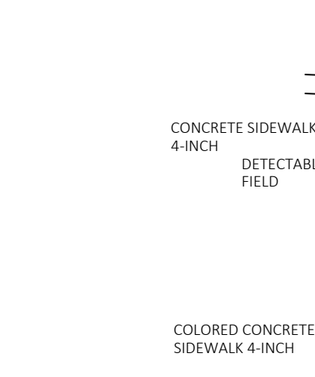
SECTION A-A



SECTION B-B



SECTION C-C



* DISTANCE TO LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

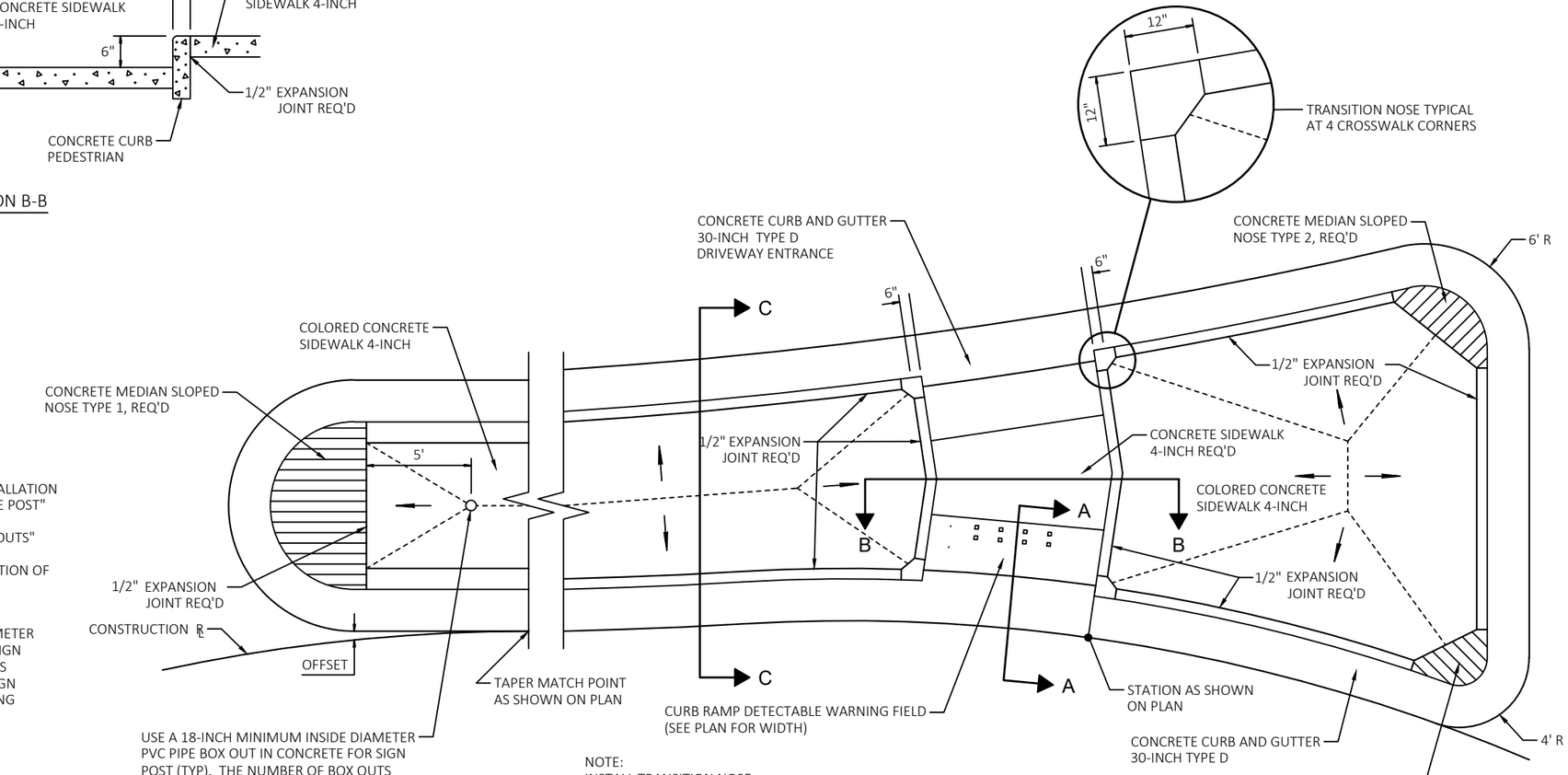
SEE A4-3 SIGN PLATE FOR "TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POST"

SEE A4-3B SIGN PLATE "SIGN POST BOX-OUTS"

** SEE A4-4 SIGN PLATE "TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE SUPPORTS"

USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

ISLAND SIGN LOCATION DETAIL (TYP)



USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

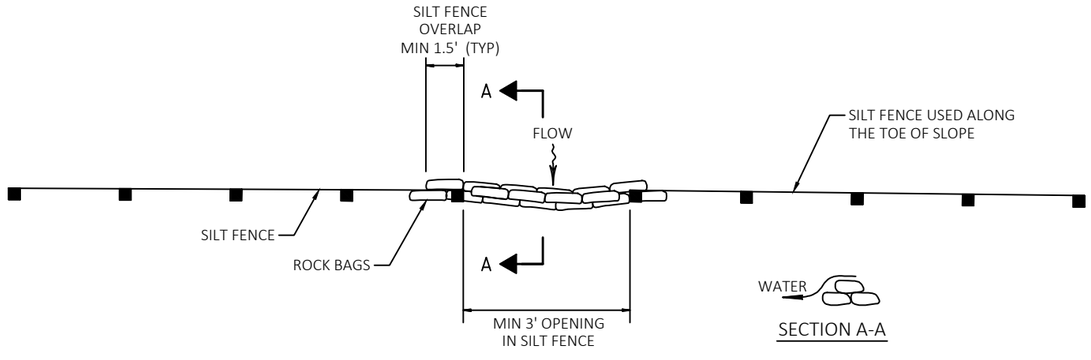
NOTE:
INSTALL TRANSITION NOSE.
(INCIDENTAL TO OTHER PAY ITEMS.)
DO NOT MARK TRANSITION NOSE.

CONCRETE SPLITTER ISLAND DETAIL WITH CROSSWALK

RUNOFF COEFFICIENT TABLE

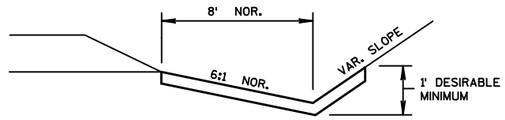
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .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 = 83.638 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 41.982 ACRES

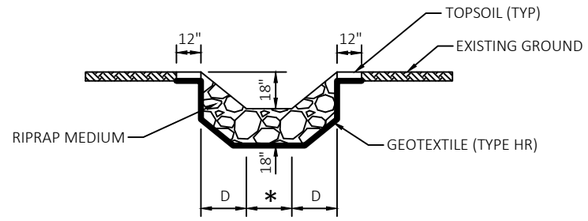


TOP VIEW

ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

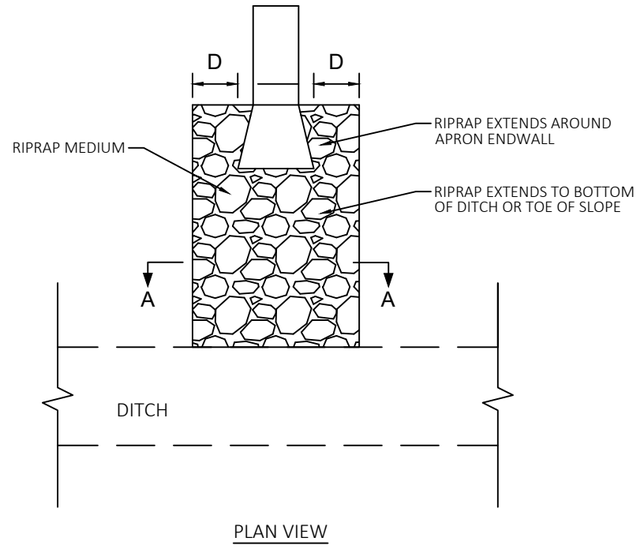


EROSION MAT DETAIL FOR DITCHES



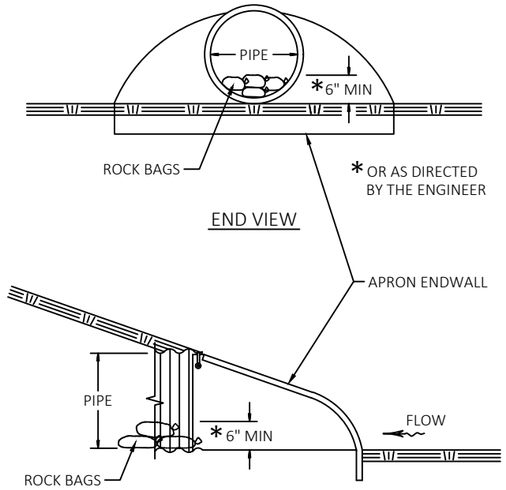
SECTION A-A

* APRON ENDWALL WIDTH
D = PIPE DIAMETER

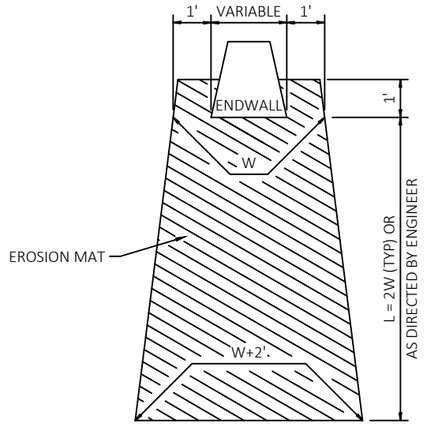


PLAN VIEW

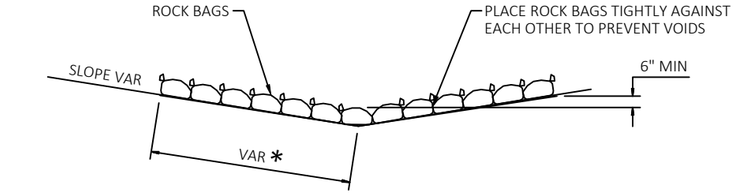
RIPRAP TREATMENT AT STORM SEWER OUTFALLS



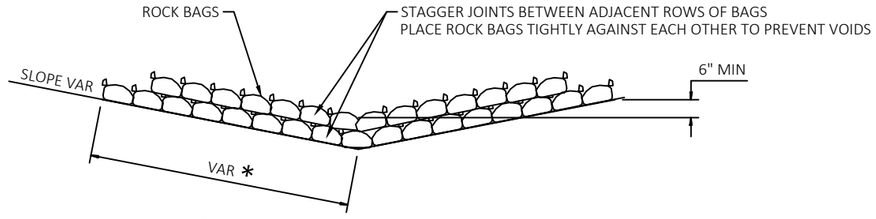
PIPE CHECKS



EROSION MAT TREATMENT AT CULVERTS



SIDE VIEW (SINGLE LAYER)

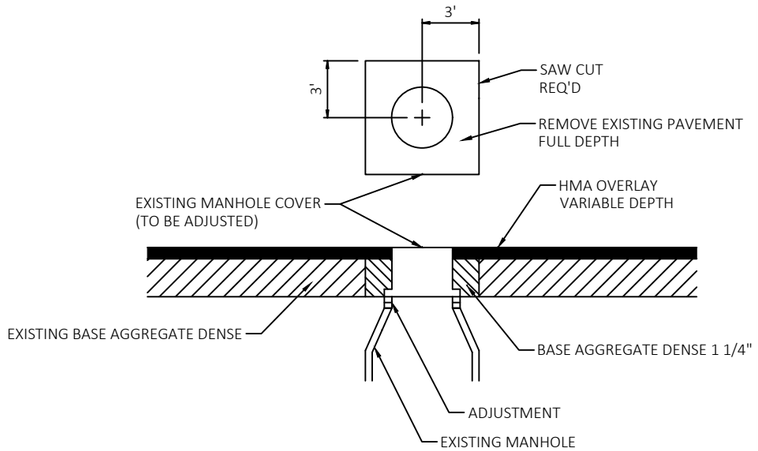


* LENGTH AND NUMBER OF BAGS MAY VARY DEPENDING ON DESIRED DEPTH OF WATER POOL

SIDE VIEW (MULTIPLE LAYER)

ROCK BAGS DITCH CHECK

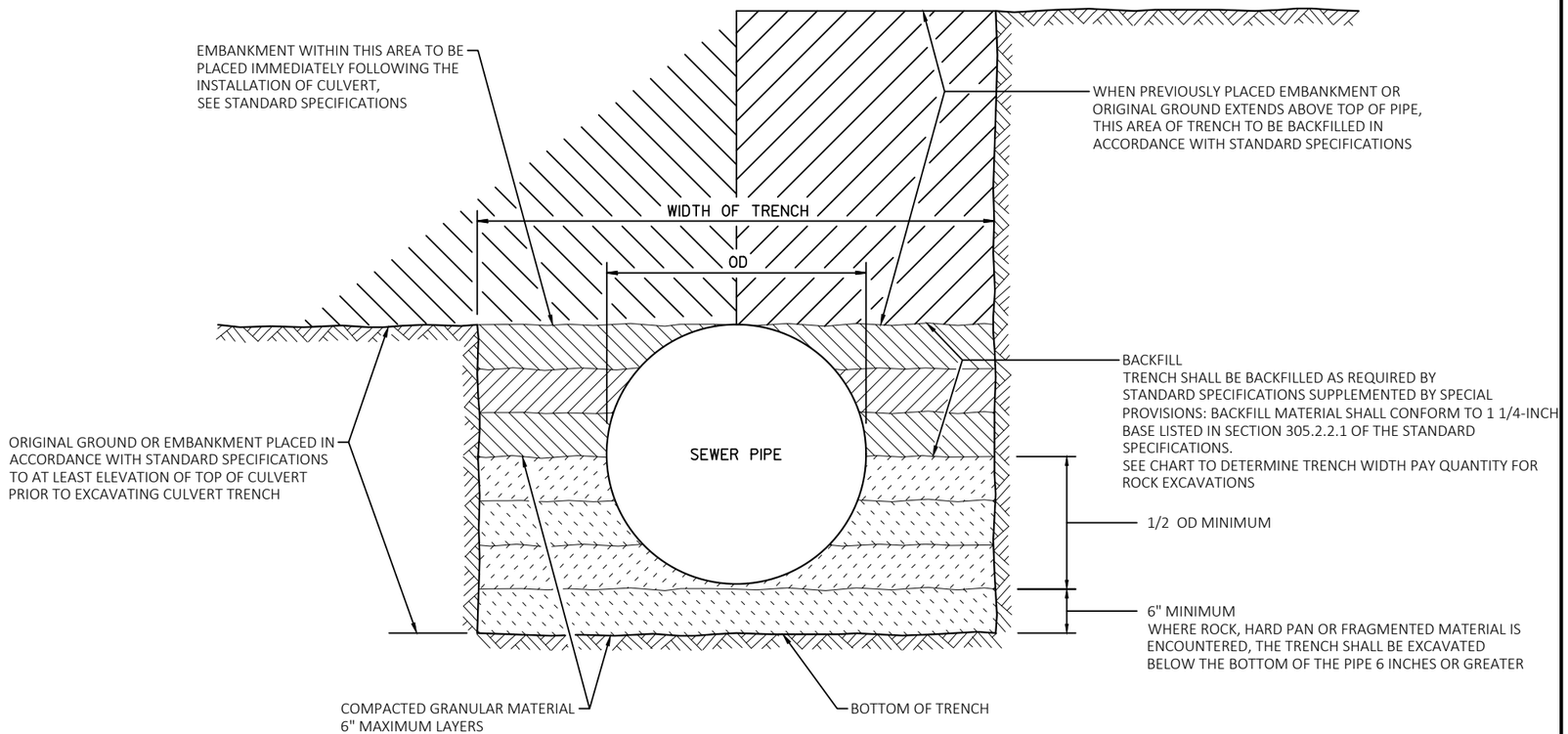
PAID AS ROCK BAGS



ADJUSTING MANHOLE COVERS

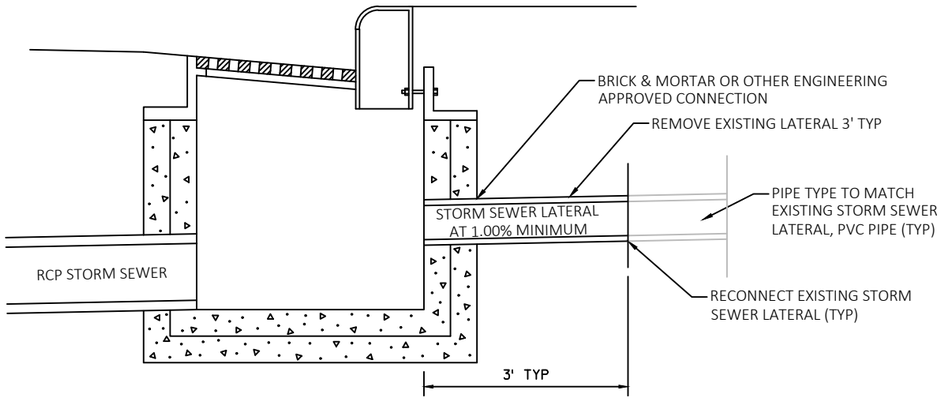
PIPE HORIZONTAL DIAMTER	TRENCH WIDTH PAY QUANTITY WHEN IN ROCK
12"	52"
15"	56"
18"	59"
24"	66"
30"	73"
36"	80"
38"	82"
45"	90"
53"	99"

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



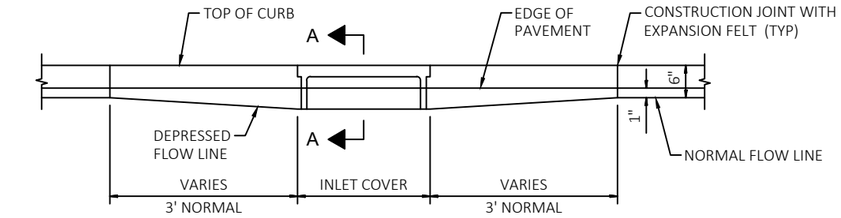
STORM SEWER

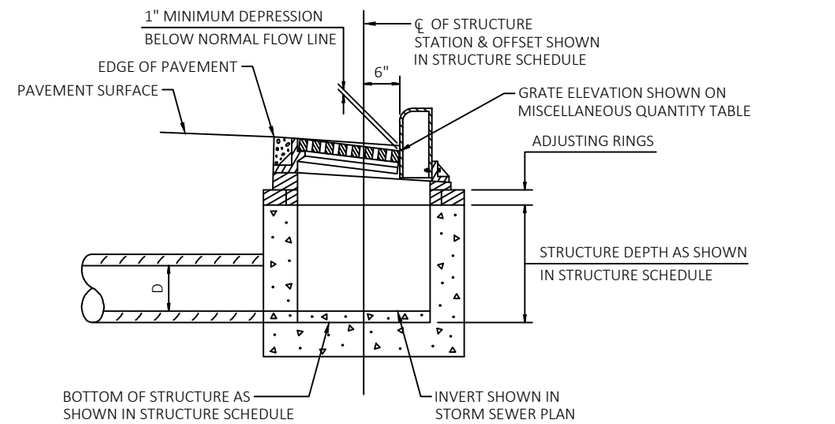
IN ROCK



NOTE:
ALL LABOR AND MATERIALS NECESSARY FOR RECONNECTING EXISTING STORM SEWER LATERALS SHALL BE INCIDENTAL TO THE INLET/CATCH BASIN/MANHOLE BID ITEM.

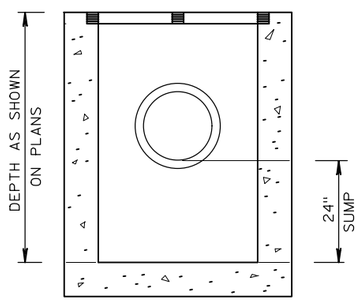
RECONNECT EXISTING STORM SEWER LATERAL DETAIL



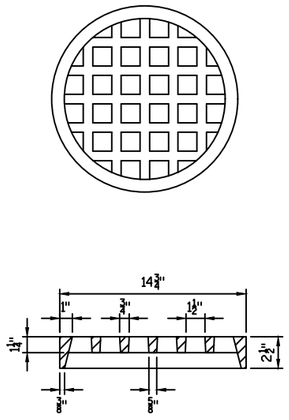


SECTION A-A

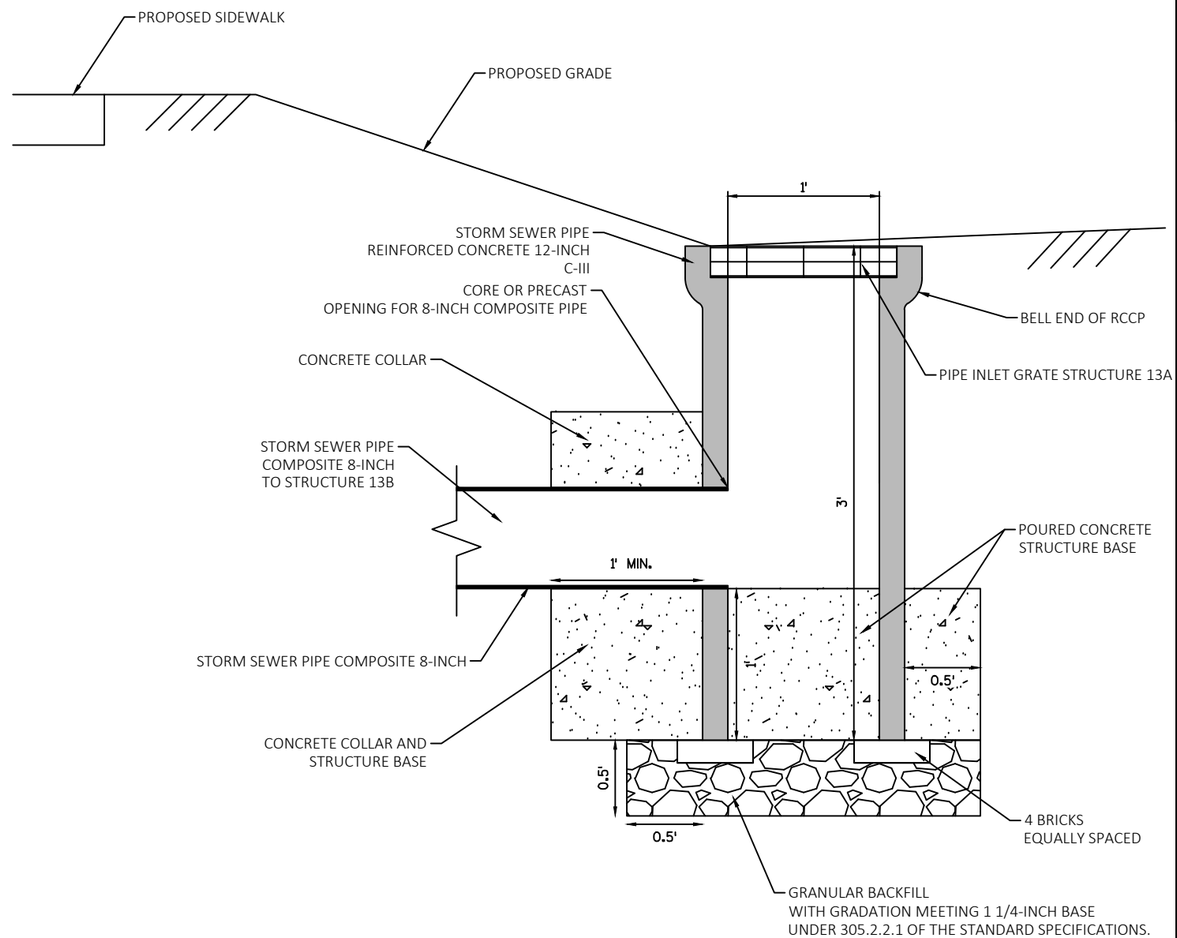
DETAIL OF CURB AND GUTTER AT INLETS



MEDIAN GRATE, TYPE 1 SPECIAL
FOR ADDITIONAL DETAILS SEE S.D.D.

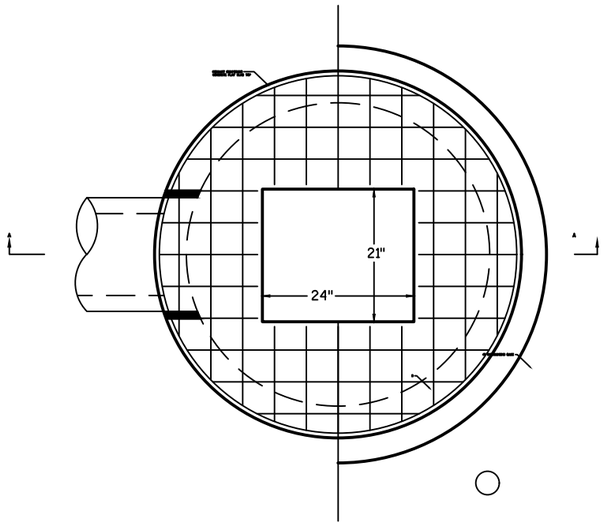


PIPE INLET GRATE STRUCTURE 13A
CAST GRAY IRON
ASTM A-48, CLASS 35B



PIPE INLET STRUCTURE 13A
142+25 RT

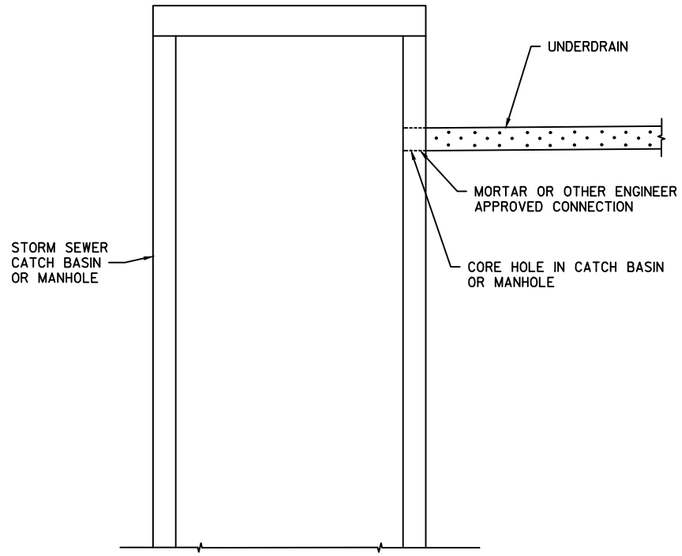
2



NOTE:
DETAIL REPLACES "PLAN VIEW RECTANGULAR OPENING" FOR INLET COVERS TYPE V. DETAILS AND GENERAL NOTES NOT SHOWN SHALL CONFORM TO SDD 8A8 FOR "CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER."

PLAN VIEW RECTANGULAR OPENING FOR INLET COVERS TYPE V

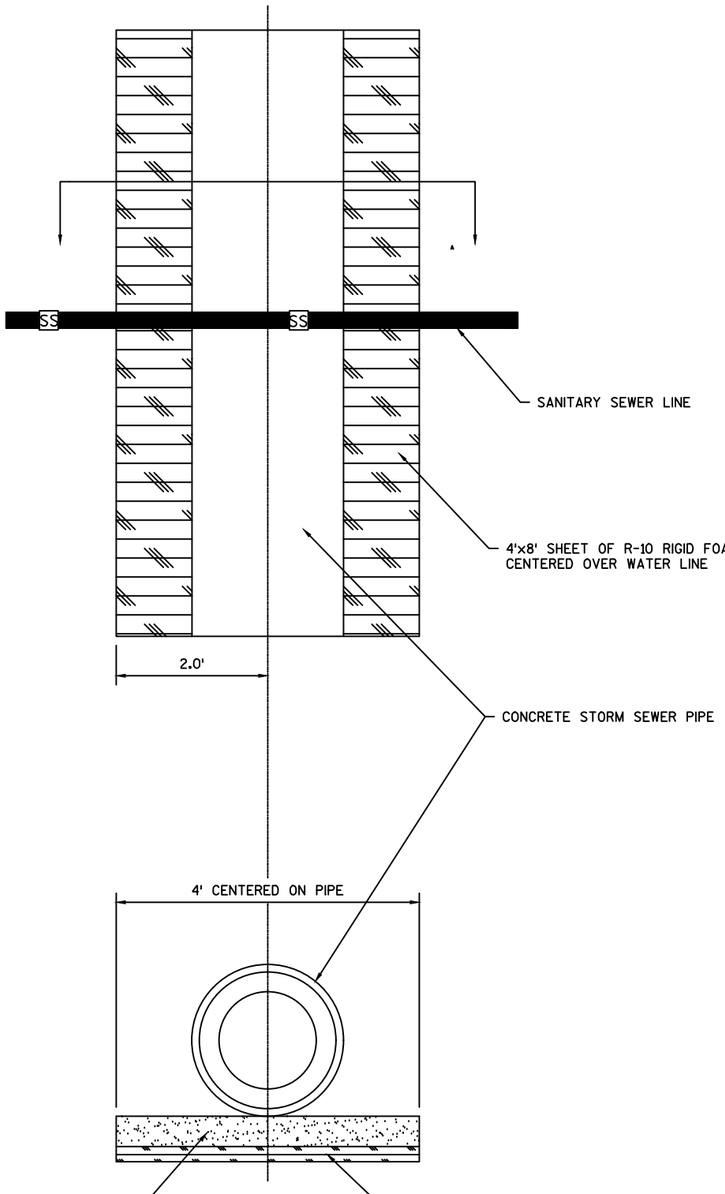
(2) FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.



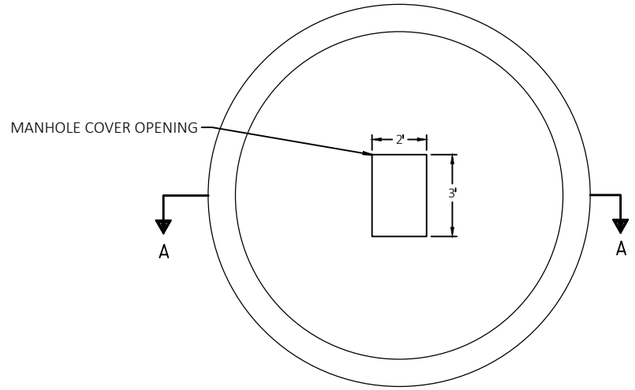
UNDERDRAIN CONNECTION DETAIL

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS	SHEET 24	E

PLAN VIEW

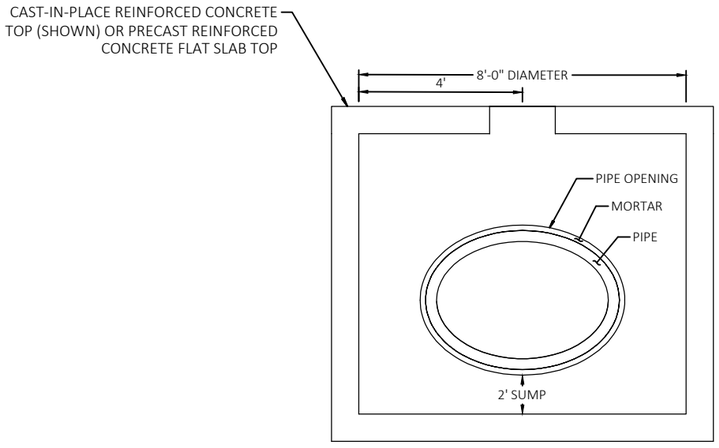


INSULATION BOARD (2-INCH)



MANHOLE PLAN

SHOWING TOP SLAB REINFORCEMENT FOR CAST IN PLACE OPTION



SECTION A-A

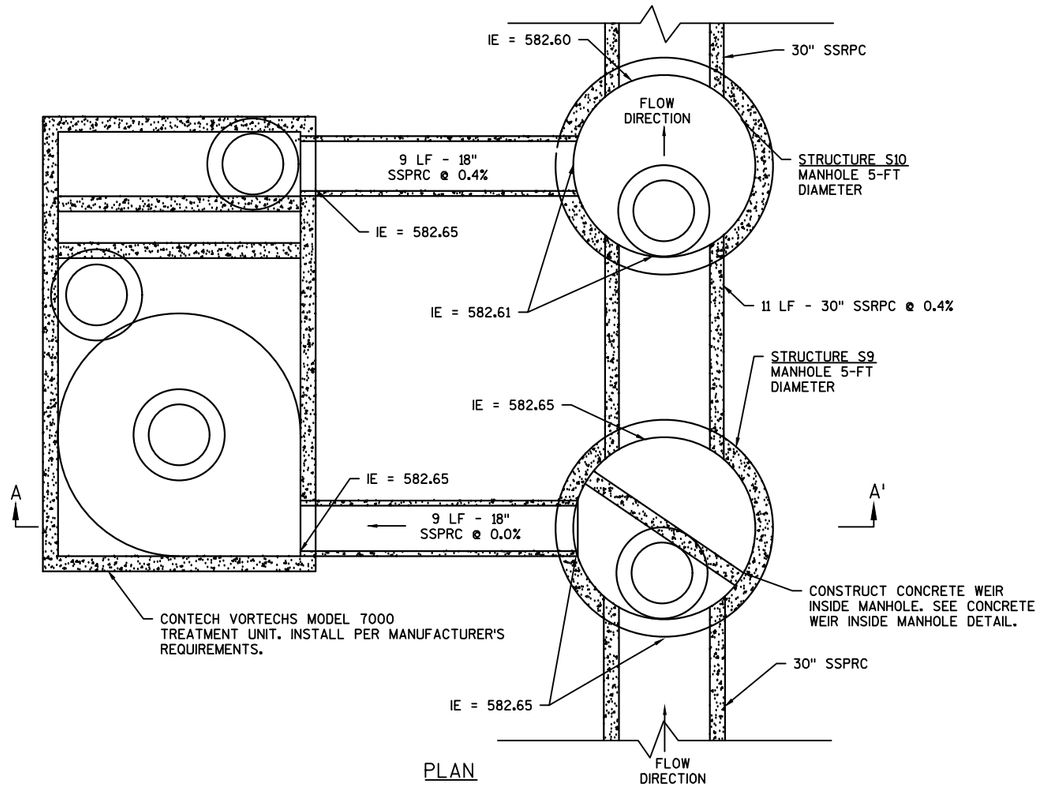
MANHOLE ELEVATION

SHOWING PRECAST OPTION

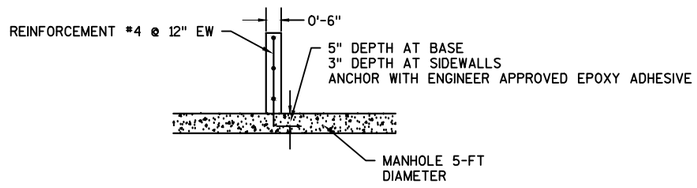
MANHOLE SPECIAL 8-FT DIAMETER

MANHOLE SPECIAL 8-FT TO CONFORM
TO SDD8B9-2 MODIFY MANHOLE COVER
OPENING AND SUMP AS SPECIFIED IN
CONSTRUCTION DETAIL.

2



PLAN



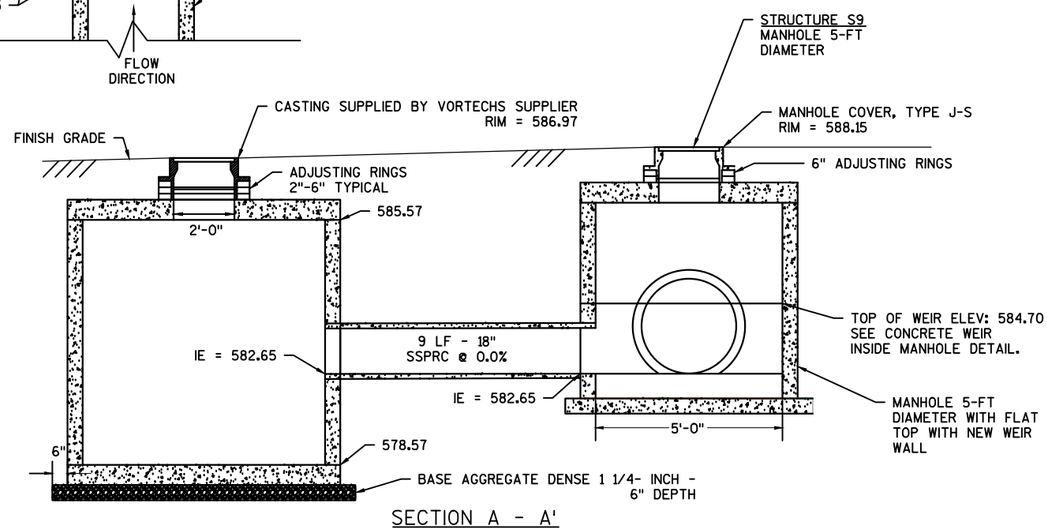
CONCRETE WEIR INSIDE MANHOLE DETAIL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

PIPE LENGTHS AREA MEASURED AS FOLLOWS:
- CENTER OF MANHOLE TO CENTER OF MANHOLE
- CENTER OF MANHOLE TO VORTECHNIC UNIT INSIDE WALL

THE INLET/OUTLET CONFIGURATION AND LOCATION OF FLOW CONTROL WALL ARE NON-STANDARD. CONTACT THE CONTECH REPRESENTATIVE BEFORE ORDERING.



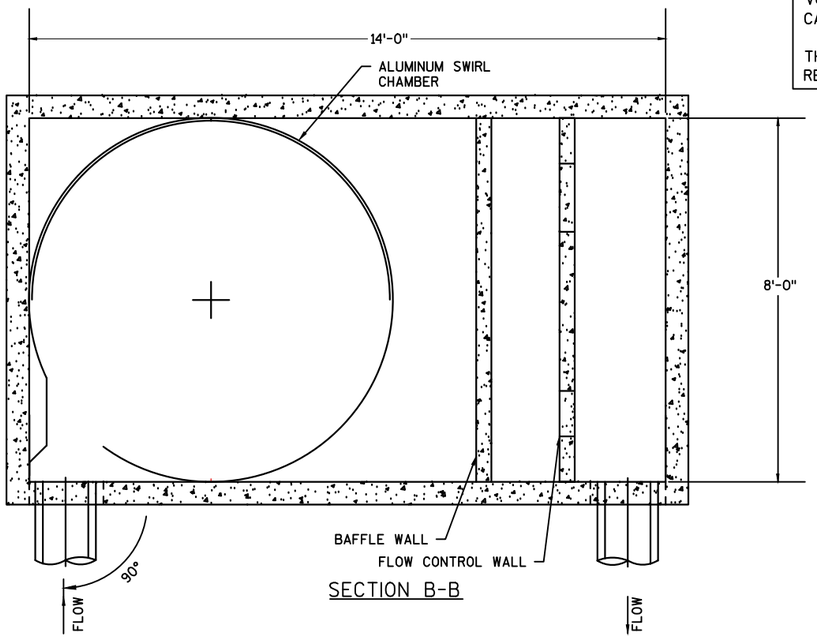
SECTION A - A'

STORMWATER TREATMENT DEVICE DETAIL AT STA 109+30 LT

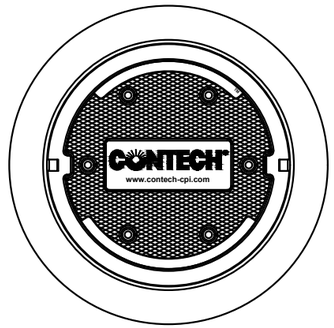
VORTECHS 7000 DESIGN NOTES

VORTECHS 7000 RATED TREATMENT CAPACITY IS 11 CFS, OR PER LOCAL REGULATIONS. IF THE SITE CONDITIONS EXCEED RATED TREATMENT CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

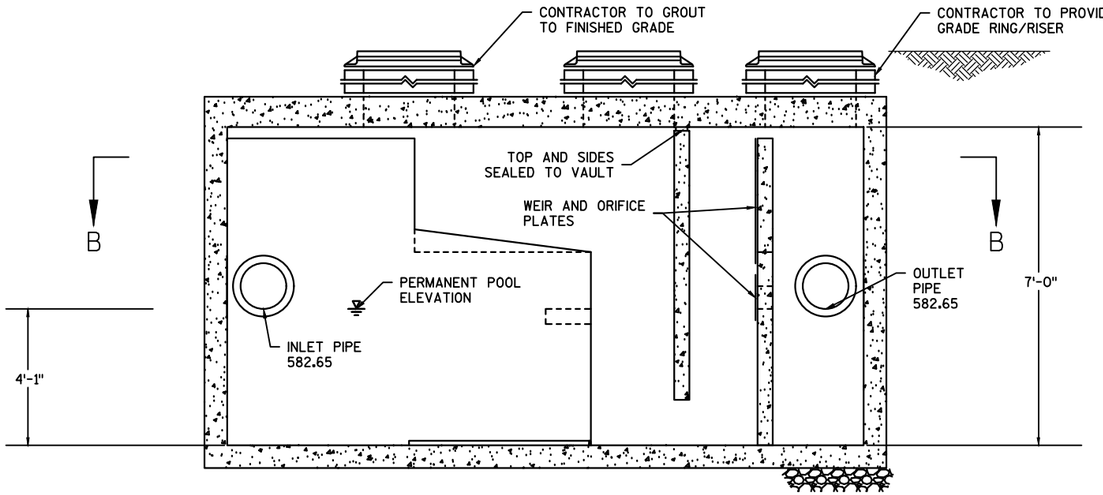
THE STANDARD INLET/OUTLET CONFIGURATION IS SHOWN. FOR OTHER CONFIGURATION OPTIONS, PLEASE CONTACT YOUR CONTECH REPRESENTATIVE. www.contechES.com



SECTION B-B



FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE



SECTION A-A

GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH REPRESENTATIVE. www.contechES.com
4. VORTECHS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. INLET PIPE(S) MUST BE PERPEDICULAR TO THE VAULT AND AT THE CORNER TO INTRODUCE THE FLOW TANGENTIALLY TO THE SWIRL CHAMBER. DUAL INLETS NOT TO HAVE OPPOSING TANGENTIAL FLOW DIRECTIONS.
7. OUTLET PIPE(S) MUST BE DOWN STREAM OF THE FLOW CONTROL BAFFLE AND MAY BE LOCATED ON THE SIDE OR END OF THE VAULT. THE FLOW CONTROL WALL MAY BE TURNED TO ACCOMODATE OUTLET PIPE KNOCKOUTS ON THE SIDE OF THE VAULT.

INSTALLATION NOTES

A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE VORTECHS STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

Vortechs®
THIS PRODUCT MAY BE PROTECTED BY THE FOLLOWING U.S. PATENT: 5,759,415; RELATED FOREIGN PATENTS.

CONTECH ENGINEERED SOLUTIONS LLC
www.contechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

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

LEGEND

- FLASHING BEACON CONTROL UNIT WITH METER BREAKER PEDESTAL
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- 20' TYPE 2 POLE WITH 20' TROMBONE ARM, WITH TWO 12" RED LED FLASHING BEACONS & TWO 36" STOP SIGNS
- LUMINAIRE (under permit to local municipality)
- FUTURE LUMINAIRE (under permit to local municipality)
- FUTURE LUMINAIRE CONDUIT

NOTE

WISCONSIN DOT NE REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 360-3107 OR 492-5654.

NE REGION ELECTRICAL UNIT WILL PROVIDE AND INSTALL THE FLASHING BEACON CONTROL CABINET.

Main Street

Spruce Street

STH 42 (Egg Harbor Road)

SEE SIGNING PLAN FOR SIGNS TO BE PLACED ON FLASHING BEACON POLE

20'

1 R

2 R

FB1

CB1

REMOVE FLASHING BEACON

REMOVE CONCRETE BASE

N

Updated 4-26-2018 (New Flasher Control Unit)

TRAFFIC CONTROL BEACON
STH 42 & Main St
Town of Gibraltar (Fish Creek)
Door County

FLASHER NO. 15-0198

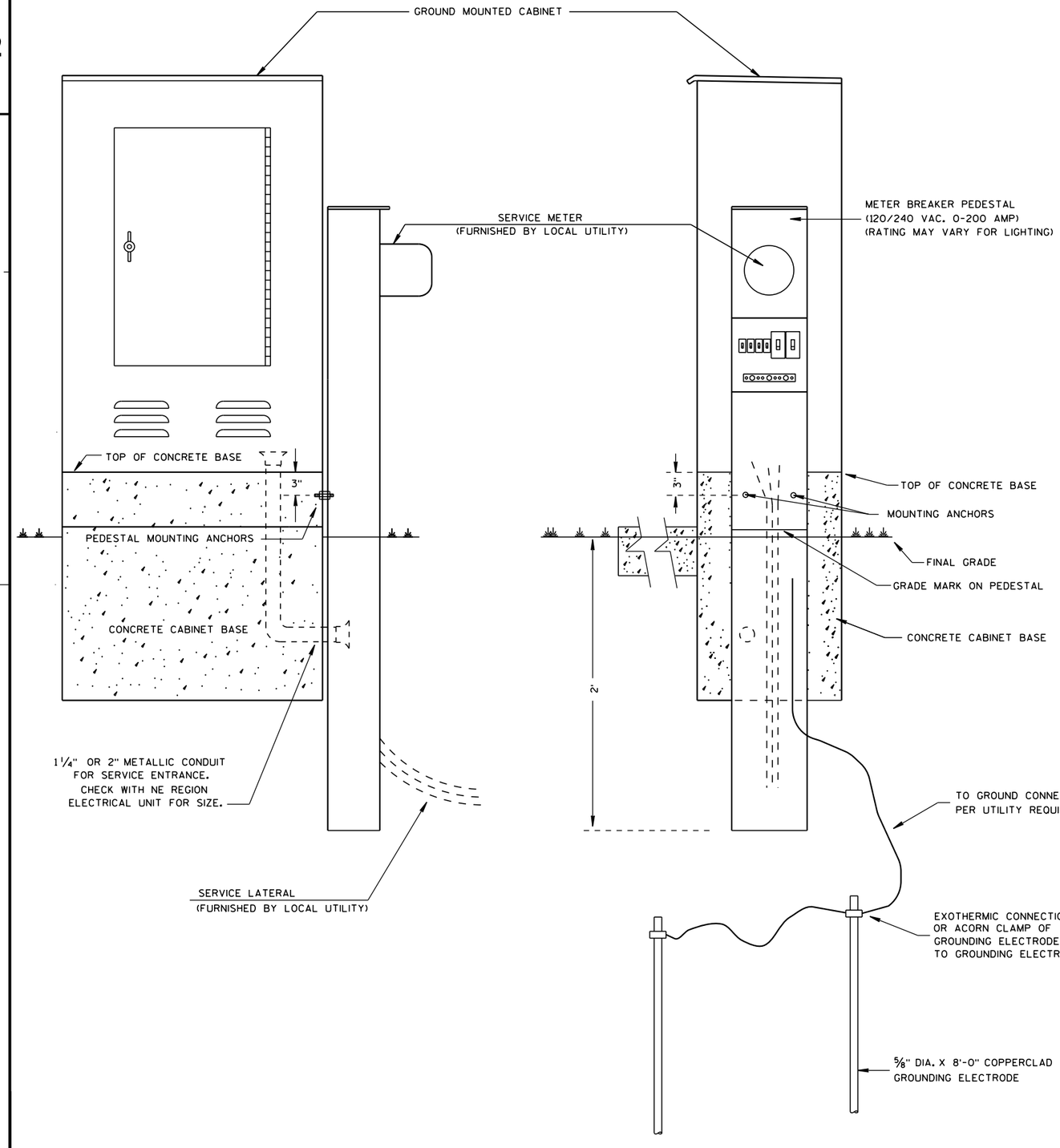
DRAFTED BY: CJS

PAGE 1 OF 1

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	RED FLASHING BEACON, STH 42 & Main Street	SHEET 28 E

FILE NAME : F:\d3_traffi\F-198,up.dgn PLOT DATE : 02-MAY-2018 11:59 PLOT BY : dotc5s PLOT NAME : F-198,up PLOT SCALE : 20:1

WISDOT/CADDS SHEET 42



GENERAL NOTES

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

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

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

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

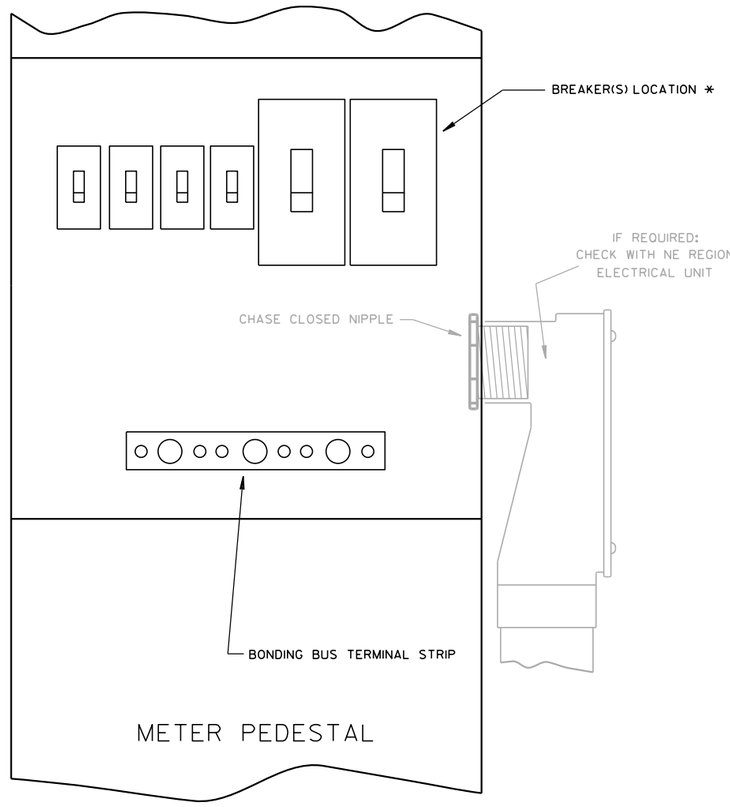
WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT OR SCHEDULE 80 PVC, NIPPLES AND/OR CONDULETS AS REQUIRED. CONDUIT LB SHALL BE OF METALLIC SERVICE ENTRANCE TYPE.

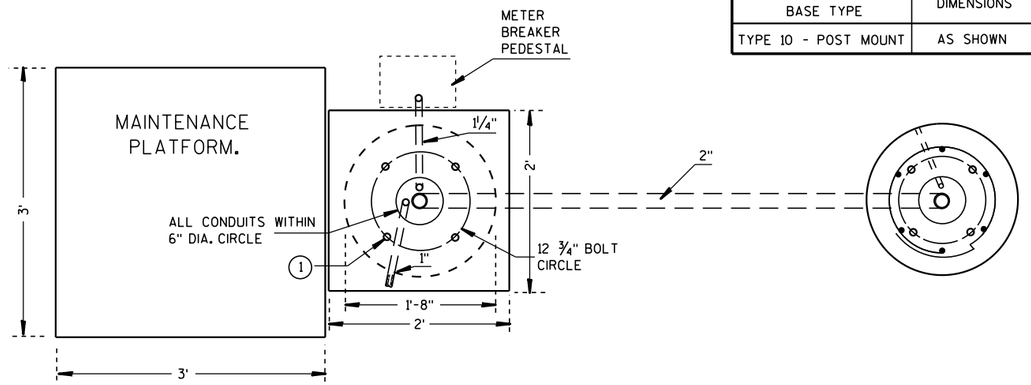
SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

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

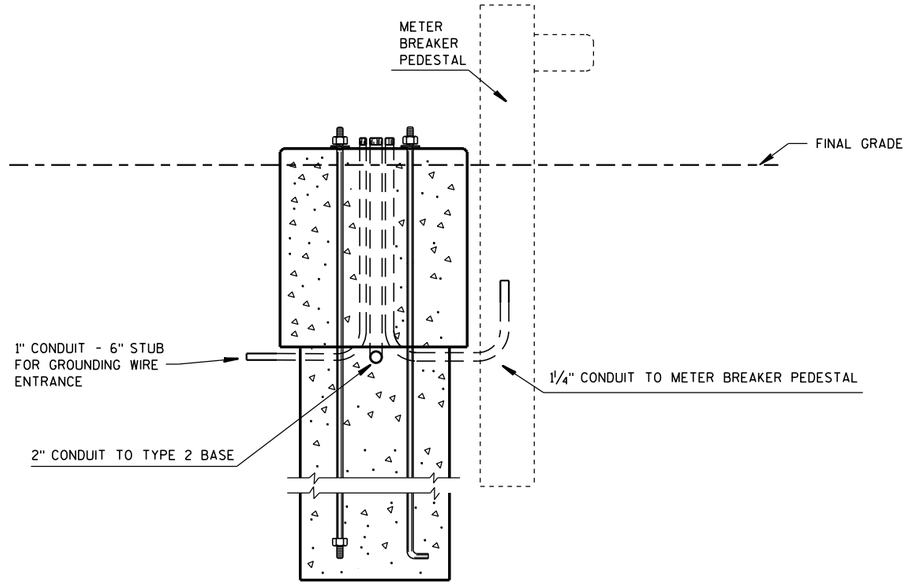
* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.



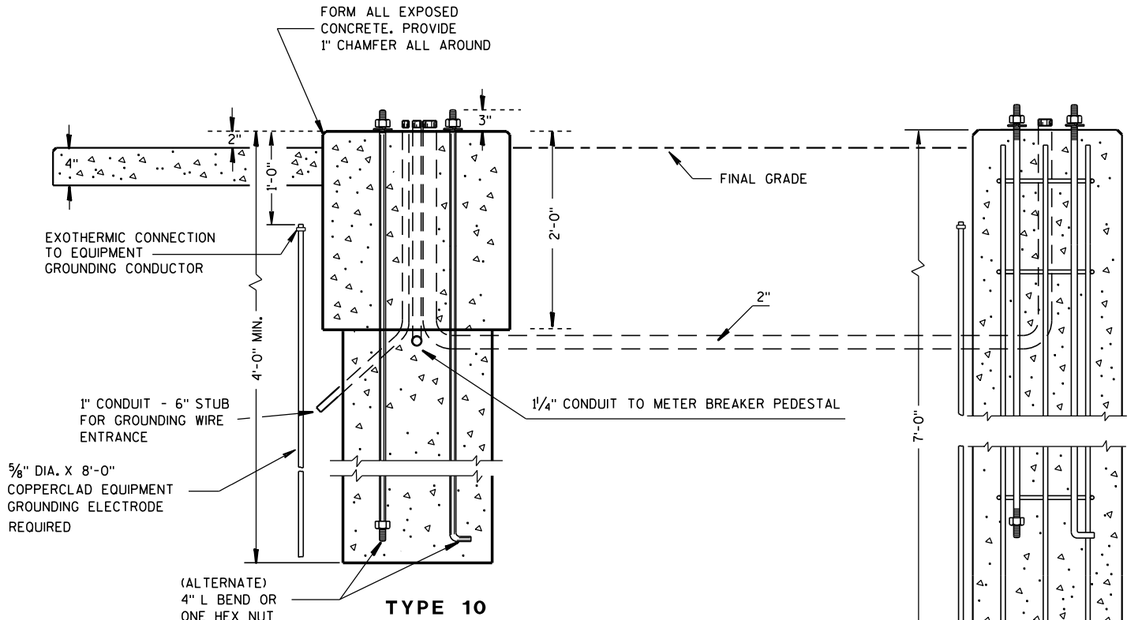
CONTROL CABINET BASE TYPE	DIMENSIONS	C.Y. CONCRETE (APPROX.)
TYPE 10 - POST MOUNT	AS SHOWN	0.75



PLAN VIEW



FRONT VIEW



ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

PROFILE VIEW

GENERAL NOTES

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

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

ALL CONDUIT ENDS AT THE TOP OF THE CONCRETE BASE SHALL PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6"
ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH A-449, OR ASTM. A-687 (GRADE 105).

CG07	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGR7	CONCRETE CURB AND REJECT GUTTER 30-INCH TYPE D
CG08	CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH, TYPE J
CN01	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CC02	CONCRETE CURB TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE DRIVEWAY 6-INCH
PED1	CONCRETE PEDESTRIAN CURB
PAV1	CROSSWALK APRON PAVERS
DR03	ASPHALTIC SURFACE 3-INCH OVER BASE AGGREGATE DENSE 6-INCH
DR05	ASPHALTIC SURFACE 5-INCH OVER BASE AGGREGATE DENSE 10-INCH

DRIVEWAY TO DOOR COUNTY AUDITORIUM

TLE

PLE

MATCH EXISTING

+27.03 58.86',LT

DR05

MATCH EXISTING

+72.52 45.41',LT

DR03

EXISTING R/W

+10.11 34.50',LT

CC02

+68.33 -37.47'LT 654.24

+59.22 -34.50'LT 650.98

+65.22 -34.50'LT 650.62

+73.22 -34.50'LT 650.78

+85.22 -34.50'LT 651.70

+59.22 -29.50'LT 650.90

+65.22 -29.50'LT 650.55

+73.22 -29.50'LT 650.71

+85.22 -29.50'LT 651.62

6'

8'

12'

8'

16'

5'

4'

-1.5%

-1.3%

-1.4%

-1.5%

-6.0%

-2.0%

-7.6%

-1.5%

-4.6%

-1.5%

-7.7%

CM04

PAV1

PAV1

CM06

CM06

EXIST R/W

+68.46 34.50',LT

-1.5%

16'

-4.0%

-4.4%

-4.0%

7.5'

8.0'

7.5'

+00.00 29.50',LT

+10.11 25.50',LT

+18.17 25.50',LT

-2.8%

-2.8%

+59.22 23.00',LT

+65.22 23.00',LT

+73.22 23.00',LT

+85.22 23.00',LT

+68.46 25.50',LT

CG07

DETECTABLE WARNING FIELD 8'-0" X 2'-0"

REFER TO SEPARATE CONSTRUCTION DETAIL FOR DRIVEWAY DETAILS

STH 42 SB

+65.08 7.00',LT

+73.34 7.00',LT

+44.05 4.89',LT

SEE PLANTING DETAIL

CG07

+10.16 3.31',LT

+28.27 3.31',LT

CGR7

-4.0%

4.0%

-4.0%

+65.22 -5.00'LT 650.68

+73.22 -5.00'LT 650.86

147+50

148+00

STH 42 R/L

148+50

CN01

PED1

PED1

CN01

-2.0%

-1.5%

8'

+65.22 5.00'RT 650.88

+73.24 5.00'RT 651.01

-4.0%

-4.0%

-4.0%

-4.0%

-4.0%

+28.27 3.31',RT

+38.19 4.30',RT

CG07

SEE PLANTING DETAIL

+84.81 5.85',RT

CGR7

+10.16 3.31',RT

REFER TO CONSTRUCTION DETAIL "SPLITTER ISLAND" FOR ADDITIONAL INFORMATION

+65.08 7.00',RT

+73.34 7.00',RT

CM04

16'

PROPOSED INLET, TYP.

DETECTABLE WARNING FIELD 8'-0" X 2'-0"

STH 42 NB

NOTES:
1. STATIONING & OFFSETS ARE REFERENCED TO THE STH 42 REFERENCE LINE

+65.22 23.00',RT

+59.22 23.00',RT

+73.22 23.00',RT

+84.22 23.00',RT

CG07

+59.22 25.50'RT 650.90

+65.22 25.50'RT 650.50

+73.22 25.50'RT 650.57

+84.22 25.50'RT 651.30

-1.5%

-1.5%

-1.5%

CM04

6'

6'

-6.2%

-1.0%

-6.6%

+59.22 31.50'RT 650.99

6'

8'

11'

+84.22 31.50'RT 651.39

EXISTING R/W

EXIST R/W

EXIST R/W

+65.22 31.50'RT 650.59

+73.22 31.50'RT 650.66

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS - PED ISLANDS AND SCHOOL DW'S	SHEET 31 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\021003-CD.DWG
LAYOUT NAME - 021013-cd

PLOT DATE : 10/10/2018 3:57 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

NOTES:
1. CONTRACTOR IS TO MAINTAIN ACCESS TO GIBRALTAR HIGH SCHOOL AT ALL TIMES. BOTH DRIVEWAYS MAY NOT BE CLOSED AT THE SAME TIME.

DRIVEWAY TO GIBRALTAR HIGH SCHOOL

+05.24 -77.83'LT 655.56
R12'
+05.09 -73.82'LT 655.50
+15.37 -60.67'LT 656.09
+04.94 61.74',LT
Y = 265035.608
X = 531983.806
R=12'
+14.39 -46.00'LT 656.27

+59.50 -76.77'LT 654.60
R19'
+58.52 -69.57'LT 655.01
+74.45 70.58',LT
Y = 265101.333
X = 532031.929
R=19'

+10.09 85.35',LT
Y = 265137.040
X = 532054.899
R=3'
R3'
+08.82 80.13',LT
+19.23 75.45',LT

SLOPE INTERCEPT
EXISTING KARST FEATURE DO NOT DISTURB
PLE
EXIST R/W

CN01
+36.60 66.66',LT
+41.89 66.66',LT
4.0%
CGR7
CG07
4.0%
+34.24 50.65',LT
+44.00 50.59',LT
2.0%
2.0%
DR05
DR05
+59.23 -46.00'LT 656.22
REFER TO CONSTRUCTION DETAIL "SPLITTER ISLAND" FOR ADDITIONAL INFORMATION
3' 3'
VAR.

DETECTABLE WARNING FIELD 5'-0" X 2'-0"
DETECTABLE WARNING FIELD 5'-0" X 2'-0"
DETECTABLE WARNING FIELD 5'-0" X 2'-0"
DETECTABLE WARNING FIELD 5'-0" X 2'-0"

+33.85 35.11',LT
4.0%
+43.96 35.04',LT
CM04
+42.09 -30.05'LT 656.59
+43.94 -30.07'LT 656.66
CM04
CM06
+35.58 -30.06'LT 656.71
CM06
5'
-1.5%
-1.5%
-1.5%
-1.5%
-1.5%
-1.7%
-2.0%
-1.2%
CM04
4.4%
+33.70 29.30',LT
4.0%
4.0%
+43.94 29.26',LT
2.0%
2.0%
PED1
CG07
CG07
PED1
CM06
-2.8%
CM06
-2.8%
+66.34 -29.62'LT 656.44
+71.23 -29.81'LT 656.50
+70.56 -20.54'LT 656.16
+73.36 20.48',LT
+02.00 -30.84'LT 657.21
+06.78 -30.80'LT 657.11
+89.96 -29.81'LT 657.78
+02.03 -21.89'LT 656.91
+35.42 21.24',LT
CN01
+42.20 21.11',LT
CG07

STH 42
STH 42 R/L
151+00
151+50

CG07	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGR7	CONCRETE CURB AND REJECT GUTTER 30-INCH TYPE D
CG08	CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH, TYPE J
CN01	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CC02	CONCRETE CURB TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE DRIVEWAY 6-INCH
PED1	CONCRETE PEDESTRIAN CURB
PAV1	CROSSWALK APRON PAVERS
DR03	ASPHALTIC SURFACE 3-INCH OVER BASE AGGREGATE DENSE 6-INCH
DR05	ASPHALTIC SURFACE 5-INCH OVER BASE AGGREGATE DENSE 10-INCH

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS - PED ISLANDS AND SCHOOL DW'S	SHEET 32	E

DO NOT DISTURB BUSH

DO NOT DISTURB BUSH

+41.37
-40.00'LT
655.58

+65.44
-40.00'LT
655.90

+68.52
-33.50'LT
656.27

+60.52
-33.50'LT
656.23

-0.5%

SLOPE INTERCEPT

EXISTING R/W

+60.52
-28.50'LT
656.13

DR03

-2.0%

CM06

-2.3%

+68.52
-28.50'LT
656.15

+37.95
-25.66'LT
656.45

+60.52
-26.50'LT
656.07

-3.0%

-3.0%

+68.52
-26.50'LT
656.09

+26.66
22.69',LT

CG08

+58.59
23.93',LT

+70.41
23.93',LT

+80.84
23.55',LT

+90.83
23.17',LT

ASPHALTIC FLUME

+60.52
24.00',LT

+68.52
24.00',LT

DETECTABLE WARNING FIELD
8'x2'

17'

CM04

+60.31
7.00',LT

SEE PLANTING DETAIL

+60.52
-5.00'LT
656.52

+68.51
7.00',LT

+68.52
-5.00'LT
656.53

SEE PLANTING DETAIL

+23.58
3.31',LT

-2.0%

-2.0%

-2.0%

+05.46
3.31',LT

+60.52
0.00'RT
656.56

-1.5%

-1.5%

+68.52
0.00'LT
656.59

156+00

156+50

-0.4%

157+00

8'

CGR7

PED1

-1.5%

-1.5%

PED1

CGR7

STH 42

-2.0%

-2.0%

+23.58
3.31',RT

CN01

-2.0%

-2.0%

CN01

+05.46
3.31',RT

+60.52
5.00'RT
656.51

+68.52
5.00'RT
656.53

+60.31
7.00',RT

+68.51
7.00',RT

DETECTABLE WARNING FIELD
8'x2'

16'

+68.52
23.00',RT

+60.52
23.00',RT

+75.93
22.73',RT

CG07

+50.00
22.60',RT

+60.52
25.50'RT
656.18

+68.52
25.50'RT
656.21

+80.68
22.56',RT

+03.42
26.18',RT
Y = 265283.816
X = 532552.511
R=44'

-4.0%

+53.02
25.22',RT

7.5'

-4.0%

8'

-4.2%

7.5'

+80.68
25.06'RT
655.85

CM04

-1.5%

PAV1

-4.0%

PAV1

+06.36
31.09',RT
Y = 265280.809
X = 532557.382
R=38'

+50.00
29.12'RT
656.71

-3.0%

-1.5%

+60.52
29.50'RT
656.34

-1.5%

-0.5%

CM04

-0.5%

5'

+76.03
34.49',RT

EXISTING R/W

SLOPE INTERCEPT

+50.00
34.12'RT
656.79

8'

+68.52
29.50'RT
656.38

+60.52
34.51'RT
656.42

DR03

-4.6%

-5.5%

R38'

+68.52
34.50'RT
656.46

TLE

-5.5%

-4.6%

NOTE: STATIONG & OFFSETS ARE REFERENCED
TO THE STH 42 REFERENCE LINE

5'

R44'

+75.16
52.78',RT

+71.10
55.60',RT

XX

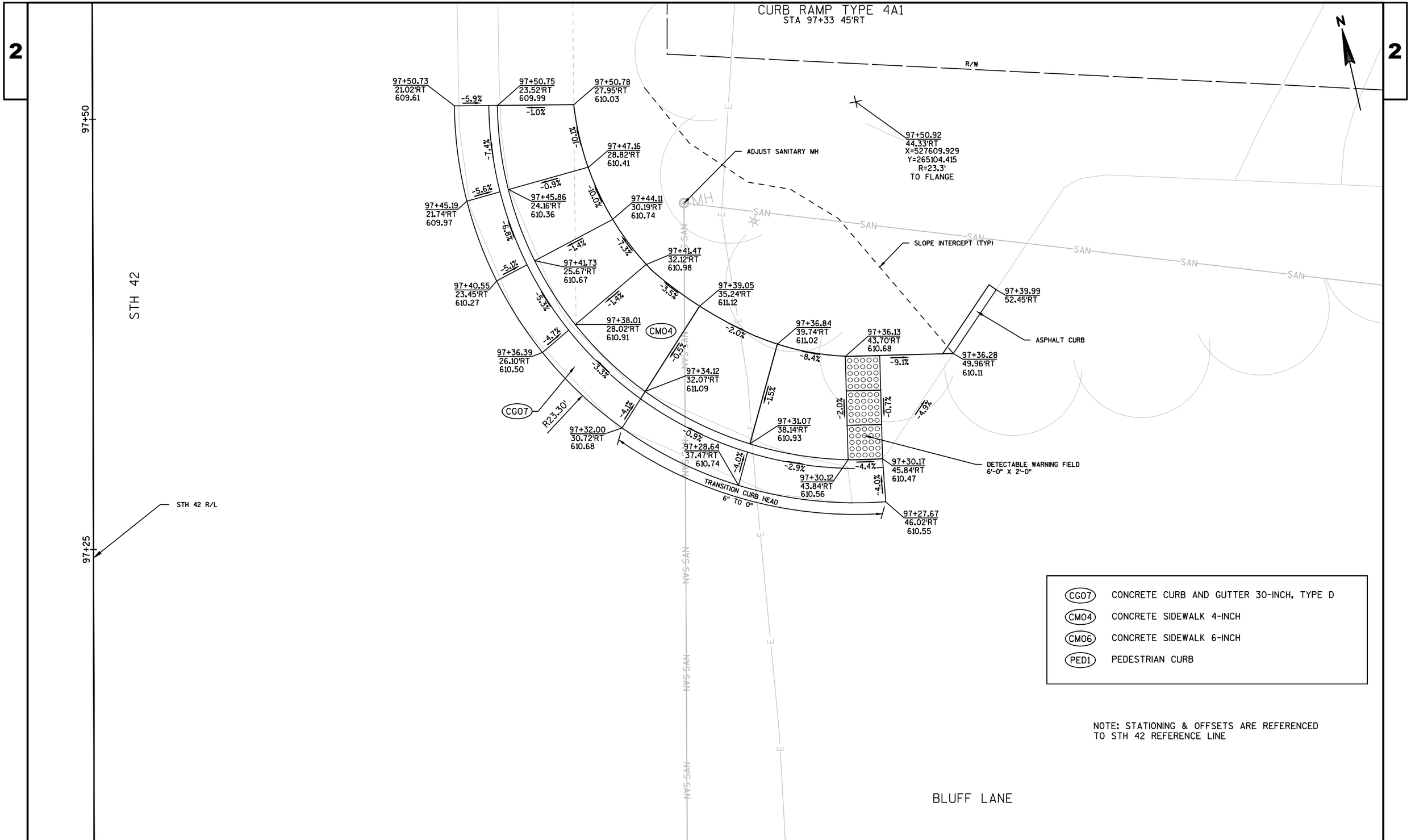
CG07	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CGR7	CONCRETE CURB AND REJECT GUTTER 30-INCH TYPE D
CG08	CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH, TYPE J
CN01	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CC02	CONCRETE CURB TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE DRIVEWAY 6-INCH
PED1	CONCRETE PEDESTRIAN CURB
PAV1	CROSSWALK APRON PAVERS
DR03	ASPHALTIC SURFACE 3-INCH OVER BASE AGGREGATE DENSE 6-INCH
DR05	ASPHALTIC SURFACE 5-INCH OVER BASE AGGREGATE DENSE 10-INCH

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS - PED ISLANDS AND SCHOOL DW'S	SHEET	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\021003-CD.DWG
LAYOUT NAME - 021015-CD

PLOT DATE : 10/10/2018 3:58 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 34	E

2

2

MAIN ST

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN MH

OH OH OH OH OH

99+80.53
-34.90'LT
596.91

-6.2%
-3.7%

99+78.18
-35.73'LT
597.28

99+76.99
-33.07'LT
597.40

-4.3%

99+74.98
-26.43'LT
597.19

-2.0%

99+73.32
-28.31'LT
597.15

-11.0%

R21.00'

DETECTABLE WARNING FIELD
5'x2'

-5.0%

99+70.50
-23.22'LT
597.44

-2.0%

-12.4%

1.2'

CM04

99+68.63
-36.36'LT
598.34

99+67.99
-35.83'LT
598.30

-13.3%

5'

6.9'

-10.7%

99+69.26
-25.39'LT
597.41

-22.9%

CG07

R/W

TLE

99+64.06
-32.68'LT
598.36

-0.0%

99+62.40
-23.30'LT
598.36

99+62.65
-20.90'LT
597.94

99+60.68
-41.81'LT
X=527572.023
Y=265327.983
R=21.00'
TO FLANGE

-4.1%

EXISTING INLET, TYP.

-1.0%

99+56.23
-32.85'LT
598.69

99+55.56
-23.16'LT
598.59

R/W

99+75

STH 42 R/L

99+50

STH 42

NOTE: STATIONING & OFFSETS ARE REFERENCED
TO STH 42 REFERENCE LINE

STA 99+71 STH 42 28'LT
CURB RAMP - ADD DETECTABLE WARNING FIELDS

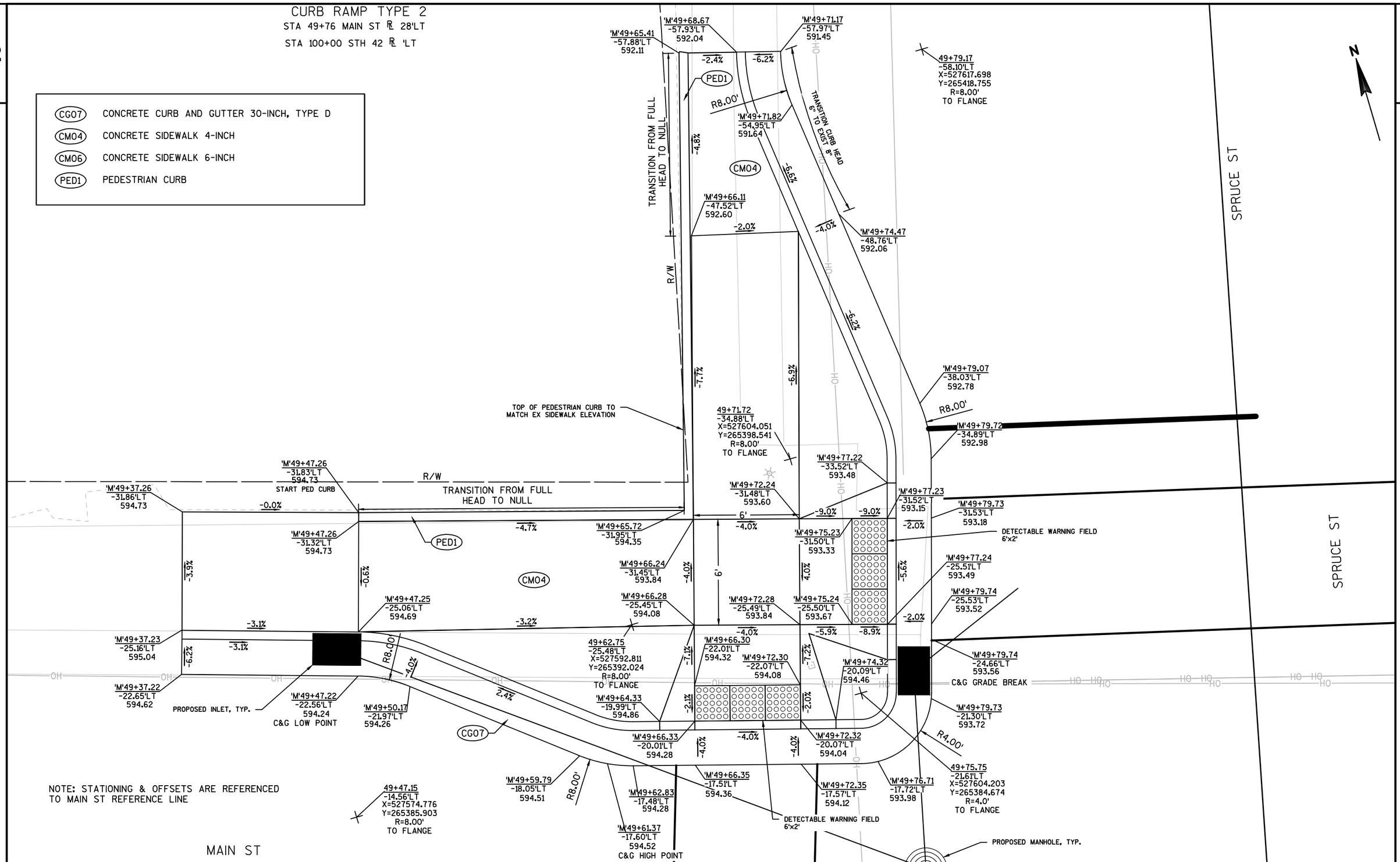
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 35 E

CURB RAMP TYPE 2

STA 49+76 MAIN ST ℄ 28'LT

STA 100+00 STH 42 ℄ 'LT

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 36 E

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

CURB RAMP TYPE 1
STA 100+26 STH 42 27'LT

SPRUCE ST

STH 42

R/W

100+15.33 -45.21'LT 591.86
100+17.84 -45.35'LT 592.23
100+22.59 -45.63'LT 592.30
100+18.11 -40.72'LT 592.51
100+22.86 -40.99'LT PC 592.59
100+15.64 -39.93'LT 592.16 PC
100+32.00 -41.53'LT X=527663.787 Y=265388.071 R=9.15' TO BACK OF PED CURB
100+37.60 -41.23'LT X=527669.078 Y=265386.214 R=22.00' TO FLANGE
100+24.35 -35.63'LT 593.18
100+24.75 -35.94'LT 593.68
100+17.27 -32.91'LT 592.58 VPC
100+20.25 -32.42'LT 593.10
100+27.46 -33.00'LT 593.38
100+18.01 -31.30'LT 592.68
100+25.54 -30.69'LT 593.22
100+31.88 -32.38'LT PT 593.96
100+36.99 -32.31'LT 593.98
100+41.76 -32.24'LT 594.04
100+47.05 -32.17'LT 594.08
100+31.87 -31.87'LT 593.56
100+36.98 -31.80'LT 593.97
100+29.40 -27.50'LT 593.44
100+23.30 -27.99'LT 592.93
100+30.29 -25.88'LT 593.55
100+36.90 -25.81'LT 593.88
100+41.68 -25.75'LT 593.94
100+47.05 -25.67'LT 593.98
100+21.70 -26.08'LT 593.00
100+27.14 -24.79'LT 593.16
100+32.18 -22.43'LT 593.81
100+36.84 -21.59'LT 593.90
100+41.68 -21.56'LT 593.94
100+47.05 -21.57'LT 593.93
100+25.54 -22.84'LT 593.20
100+31.49 -20.03'LT 593.39
100+47.05 -19.23'LT 593.56 HIGH POINT VPT
100+38.05 -19.06'LT 593.52 PT

CG07 CM04 PED1

R22.00' R9.15' 0.50' @ -1.5% PED CURB 6.50'

DETECTABLE WARNING FIELD 5'x2'

NOTES: STATIONING & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

INSTALL 1/2-INCH FELT BETWEEN BUILDING AND SIDEWALK/PED CURB

100+00 100+25 100+50

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 37	E

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB
STP1	SALVAGED TOPSOIL

STH 42

N

2

SAN — SAN — MH

99+75

STH 42 R/L

DETECTABLE WARNING FIELD 5'x2'

R27.00'

100+38.44 23.24'RT 595.36

100+33.32 26.22'RT 595.71

100+39.45 25.53'RT 595.79 BEGIN CURB

100+49.17 20.97'RT 594.90 PT

100+49.18 23.47'RT 595.32

100+56.32 20.95'RT 594.73

100+56.33 23.45'RT 595.13

100+39.01 26.44'RT 595.82 BASE CURB

100+45.84 26.43'RT 595.59 BASE CURB

100+50.79 26.41'RT 595.45 BASE CURB

100+56.30 26.39'RT 595.20 END CURB MATCH EX

100+40.82 28.12'RT 595.94

100+50.85 28.15'RT 596.36

100+56.31 28.64'RT 596.20 END CURB MATCH EX

100+34.88 28.17'RT 595.68

100+38.21 28.11'RT 595.88

100+45.85 28.13'RT 596.15

99+68.59 27.55'RT 596.06

100+37.05 30.54'RT 595.94

99+66.64 29.14'RT 596.04

100+40.81 33.12'RT 596.02

100+45.85 33.13'RT 596.23

100+50.85 33.15'RT 596.44

99+64.08 31.21'RT 596.32

99+63.75 23.62'RT 596.55

99+61.75 33.10'RT 596.44

100+40.87 33.63'RT 596.50

100+50.84 33.66'RT 596.44 END PED CURB

100+56.32 33.62'RT 596.40

100+39.73 33.45'RT 596.04

99+62.40 25.74'RT 596.97

99+61.99 34.24'RT 596.74

99+60.91 24.88'RT 597.13

99+59.80 31.89'RT 597.22

99+58.05 30.13'RT 597.16

99+57.82 30.59'RT 597.42

99+57.24 20.63'RT 597.20 VPC

99+54.00 28.17'RT 597.79

99+55.53 22.76'RT 597.70

99+53.86 28.66'RT 597.79 BEGIN PED CURB

99+52.33 41.05'RT X=527651.013 Y=265301.626 R=11.81' TO BACK OF PED CURB

99+49.29 46.43'RT X=527655.594 Y=265297.475 R=27.00' TO FLANGE

99+49.22 19.43'RT 597.73 PC

99+49.10 21.94'RT 598.11

99+49.13 26.74'RT 598.22

99+44.23 21.98'RT 598.39

99+44.28 26.43'RT 598.49

CG07 PED1 STP1 CM04

PRW TLE

R/W

EXISTING RETAINING WALL TO REMAIN DO NOT DISTURB

EXISTING INLET, TYP.

SLOPE INTERCEPT (TYP)

NOTE: STATIONING & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

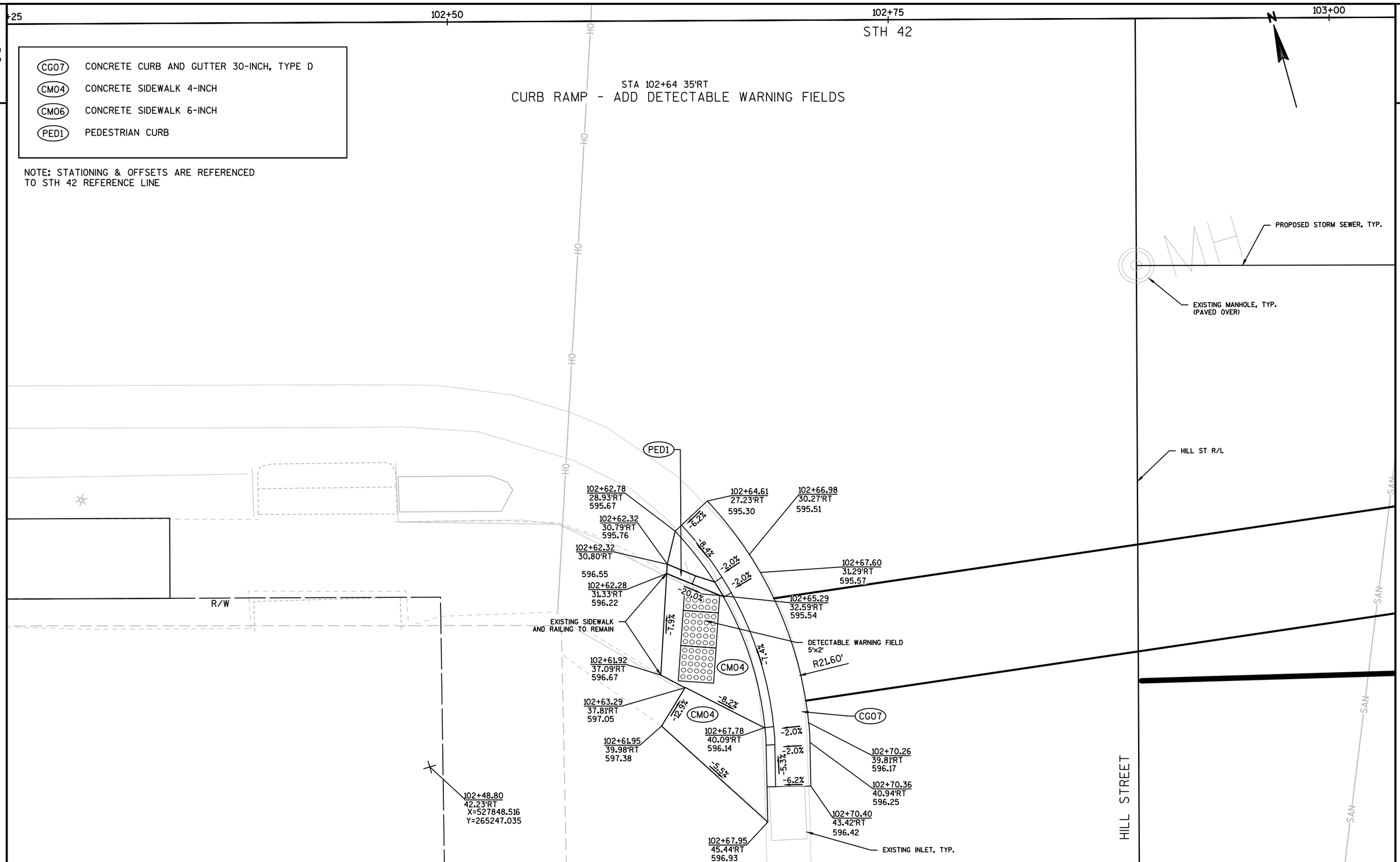
STA 100+34 31'RT
CURB RAMP TYPE 1

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 38	E

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

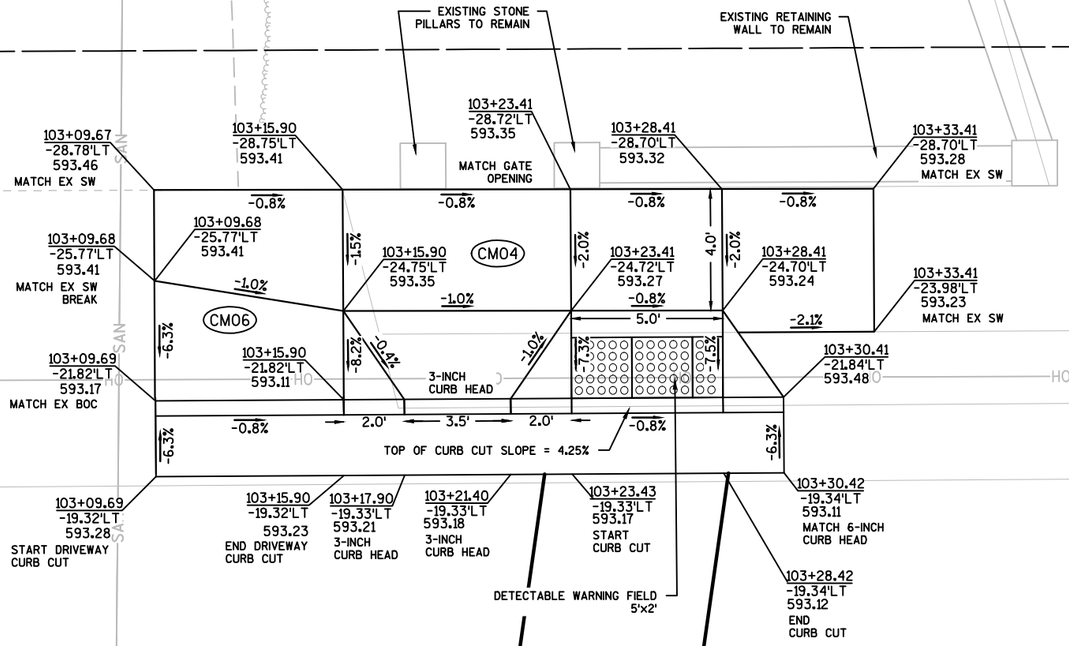
NOTE: STATIONING & OFFSETS ARE REFERENCED
TO STH 42 REFERENCE LINE

STA 102+64 35'RT
CURB RAMP - ADD DETECTABLE WARNING FIELDS



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 39 E

CURB RAMP TYPE 7B
STA 103+25 LT



CGO7	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: USE 1/2-INCH FELT BETWEEN SIDEWALK AND STONE WALL/GATE OPENING

STATIONING & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

STA 103+20 26'RT
CURB RAMP TYPE 1

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 40	E

103+00 | 103+25 | 103+50

STH 42

STA 103+20 26'RT
CURB RAMP TYPE 1

PROPOSED STORM SEWER, TYP.

EXISTING MANHOLE, TYP.
(PAVED OVER)

HILL ST R/L

DETECTABLE WARNING FIELD
5'x2'

103+27.73
20.61'RT
594.18

CGO7

103+36.63
20.59'RT
593.92

103+47.39
20.60'RT
593.76

103+21.22
21.72'RT
594.45

594.38
103+22.25
24.01'RT

103+27.47
23.19'RT
594.61

103+36.61
23.10'RT
594.33

103+47.39
23.00'RT
594.14

103+14.59
25.27'RT
594.86

103+16.67
23.81'RT
594.71

103+11.05
28.80'RT
595.18

103+17.71
26.10'RT
594.68

103+27.47
26.15'RT
594.75

PED1

103+36.64
26.14'RT
594.37

103+37.38
26.14'RT
594.36

103+47.38
26.15'RT
595.39

103+23.50
26.77'RT
594.62

103+27.47
26.65'RT
594.75

103+37.38
26.65'RT
595.06

STP1

103+47.38
28.37'RT
595.40

R21.07'

103+18.96
28.83'RT
594.92

CM04

103+09.07
31.88'RT
595.44

103+13.69
29.52'RT
595.52

103+26.00
32.15'RT
594.80

103+27.47
32.15'RT
594.84

103+37.37
32.15'RT
595.14

103+47.37
33.41'RT
595.60

R/W

103+11.25
33.02'RT
595.85

R14.96'

103+19.59
32.14'RT
595.11

103+19.52
32.64'RT
595.66

PED1

CM04

TLE

103+37.34
32.65'RT
595.62

103+41.42
33.17'RT
595.61

PRW

CM04 BETWEEN PED CURB
AND EXISTING RETAINING WALL

DO NOT DISTURB
EXISTING RETAINING WALL

103+07.01
37.87'RT
595.95

103+16.42
36.05'RT
595.98

MATCH EXISTING ENTRANCE

103+06.64
41.58'RT
596.29

103+09.14
41.85'RT
596.66

103+14.57
42.42'RT
596.67

103+27.73
41.68'RT
X=527924.454
Y=265225.491
R= 21.07'
FLANGE

103+29.50
43.35'RT
X=527925.685
Y=265223.397
R=14.96'
BACK OF SW & PED CURB

R/W

HILL STREET

NOTE: STATIONING & OFFSETS REFERENCED
TO STH 42 REFERENCE LINE

CGO7	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB
STP1	SALVAGED TOPSOIL

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 41	E

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED
TO STH 42 REFERENCE LINE

107+75

108+00

108+25

N

STA 107+91 23'RT
CURB RAMP TYPE 7B

STH 42

PROPOSED STORM SEWER, TYP.

CG07

DETECTABLE WARNING FIELD
5'x2'

107+88.41
20.32'RT
589.71

107+86.41
20.32'RT
589.70

107+93.41
20.31'RT
589.73

107+95.41
20.31'RT
589.73

-6.3%
-6.2%
-6.2%
-6.2%

0.6%
-0.4%
0.1%

107+86.41
22.82'RT
590.08

107+95.41
22.81'RT
590.10

107+88.41
22.82'RT
589.59

107+93.41
22.81'RT
589.61

-7.2%
-7.2%
-4.0%

-0.3%

107+88.41
24.82'RT
589.74

CM04

107+93.41
24.81'RT
589.76

107+83.41
28.12'RT
590.09

107+97.76
28.12'RT
589.89

-6.8%
-3.6%

-2.6%
-1.7%
-0.3%

107+88.41
28.12'RT
589.96

107+93.41
28.12'RT
589.88

-3.7%
-1.5%
-1.5%
-3.0%

-4.7%
-1.7%
-1.9%

R/W

107+83.40
32.92'RT
590.27

107+88.40
32.93'RT
590.04

107+93.40
32.93'RT
589.95

107+97.75
32.93'RT
590.03

SIGN

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 42	E

2

2

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

CURB RAMP TYPE 7B
STA 107+91 23'LT

N

R/W

MATCH EXISTING STEPS
STEPS TO REMAIN

107+80.42
-27.63'LT
588.71

107+88.42
-27.69'LT
588.59

107+93.42
-27.72'LT
588.61

108+01.42
-27.78'LT
588.90

-1.5%

-0.5%

-3.7%

CM04

-3.9%

-2.0%

-2.0%

-2.4%

107+80.43
-22.27'LT
588.92

107+88.43
-22.28'LT
588.48

107+93.43
-22.28'LT
588.50

108+01.43
-22.29'LT
589.03

-6.2%

-0.7%

-6.2%

-0.5%

-6.2%

-0.5%

-6.2%

107+80.43
-19.77'LT
588.54

107+88.43
-19.78'LT
588.59

107+93.43
-19.78'LT
588.62

108+01.43
-19.79'LT
588.66

CG07

DETECTABLE WARNING FIELD
5'x2'

HO HO HO

2 112+50 112+75 113+00 2

STH 42

N

STA 112+70 23'RT
CURB RAMP TYPE 7A

DETECTABLE WARNING FIELD
5'x2'

CG07

+61.93 20.01'RT 596.27
+67.93 20.01'RT 596.43
+72.93 20.01'RT 596.53
+81.43 20.00'RT 596.71
+88.49 20.00'RT 596.82
112+93.21 19.99'RT

-2.8% -2.0% -2.2% -1.5%

-6.3% -4.0% -4.0% -6.2% -6.2%

+61.93 22.51'RT 596.64
+67.93 22.51'RT 596.36
+72.93 22.51'RT 596.46
+81.43 22.50'RT 597.09
+88.49 22.50'RT 597.19

-4.7% -1.9% -7.4% -1.5%

-0.7% -1.7% -8.3% -8.3% -2.2% -1.5% -1.9%

CM04

+61.93 27.51'RT 596.67
+67.93 27.51'RT 596.78
+72.93 27.51'RT 596.87
112+93.21 27.93'RT

+61.93 28.01'RT 596.68
+67.93 30.52'RT 596.84
+72.93 30.50'RT 596.93
+88.49 27.90'RT 597.30

-2.0% -2.0% -1.9% -3.2% -1.9%

+61.02 30.62'RT 596.80
+81.43 30.41'RT 597.20
+88.49 30.42'RT 597.39

DR03

+61.02 33.17'RT 596.96
+67.93 33.18'RT 597.09
+72.94 33.18'RT 597.19
+81.43 33.18'RT 597.35
+88.49 33.19'RT 597.49

R/W

DO NOT DISTURB MAIL BOX

MATCH EXISTING PARKING LOT

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB
DR03	ASPHALTIC SURFACE DRIVEWAYS 3-INCH OVER BASE AGGREGATE DENSE 6-INCH

NOTE: STATIONING & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

OH

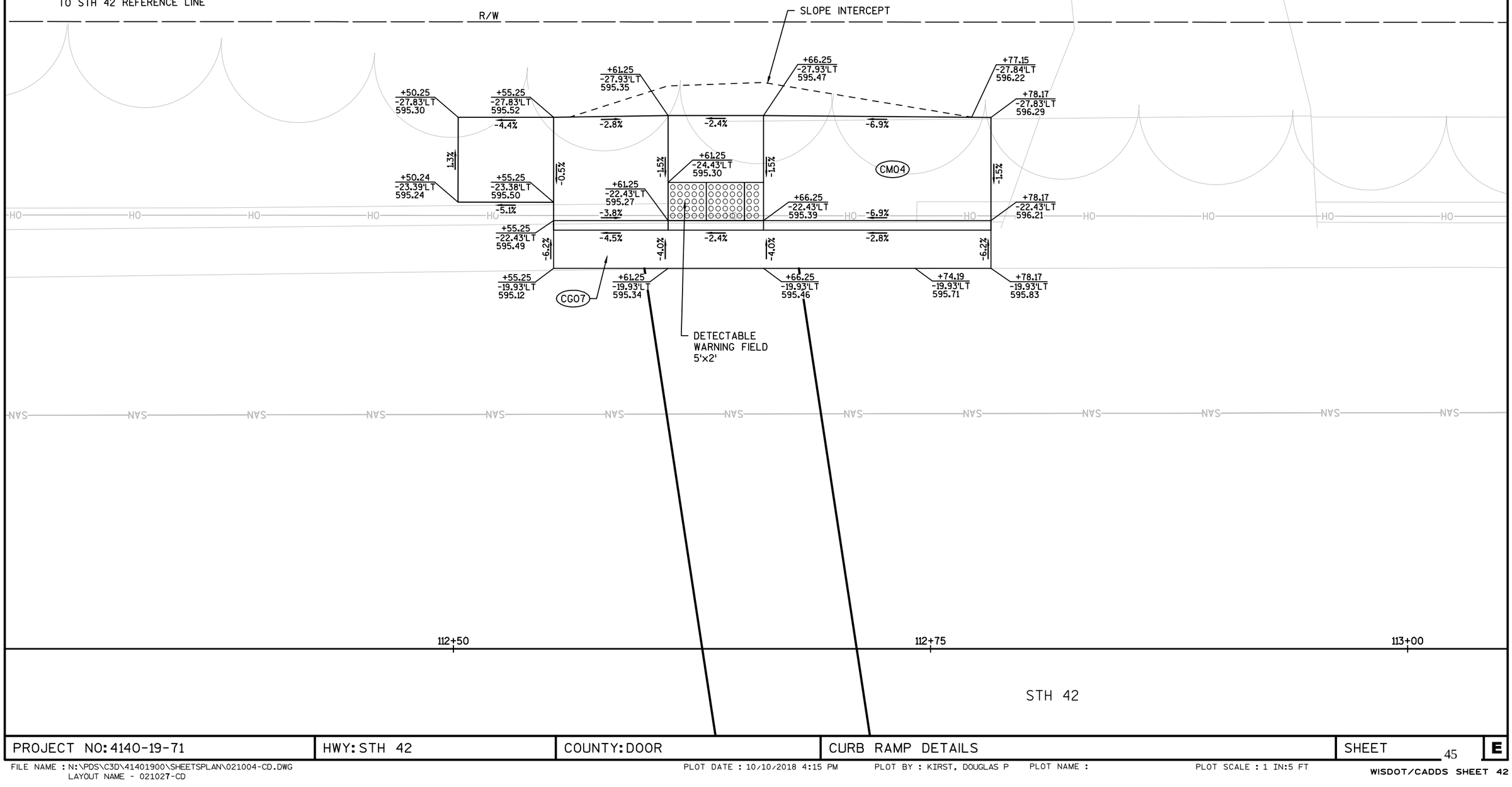
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 44	E

2

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

CURB RAMP TYPE 7A
STA 112+66 23'LT



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 45 E

2

117+25

117+50

STH 42 R/L

117+75

2

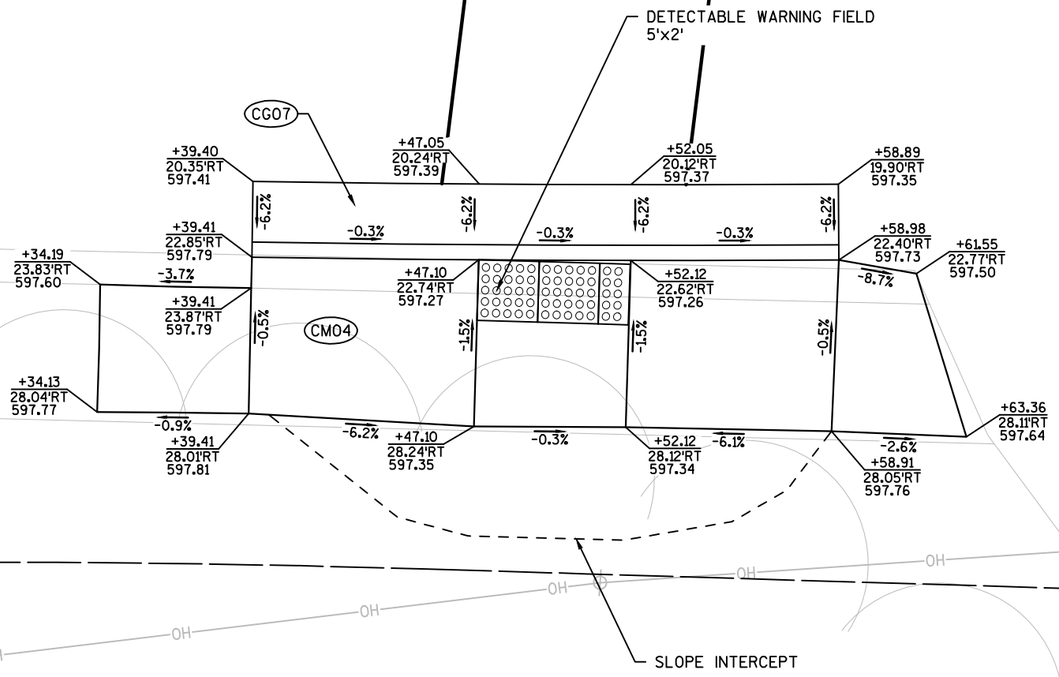
STH 42

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

STA 117+45 24'RT
CURB RAMP TYPE 7A

N



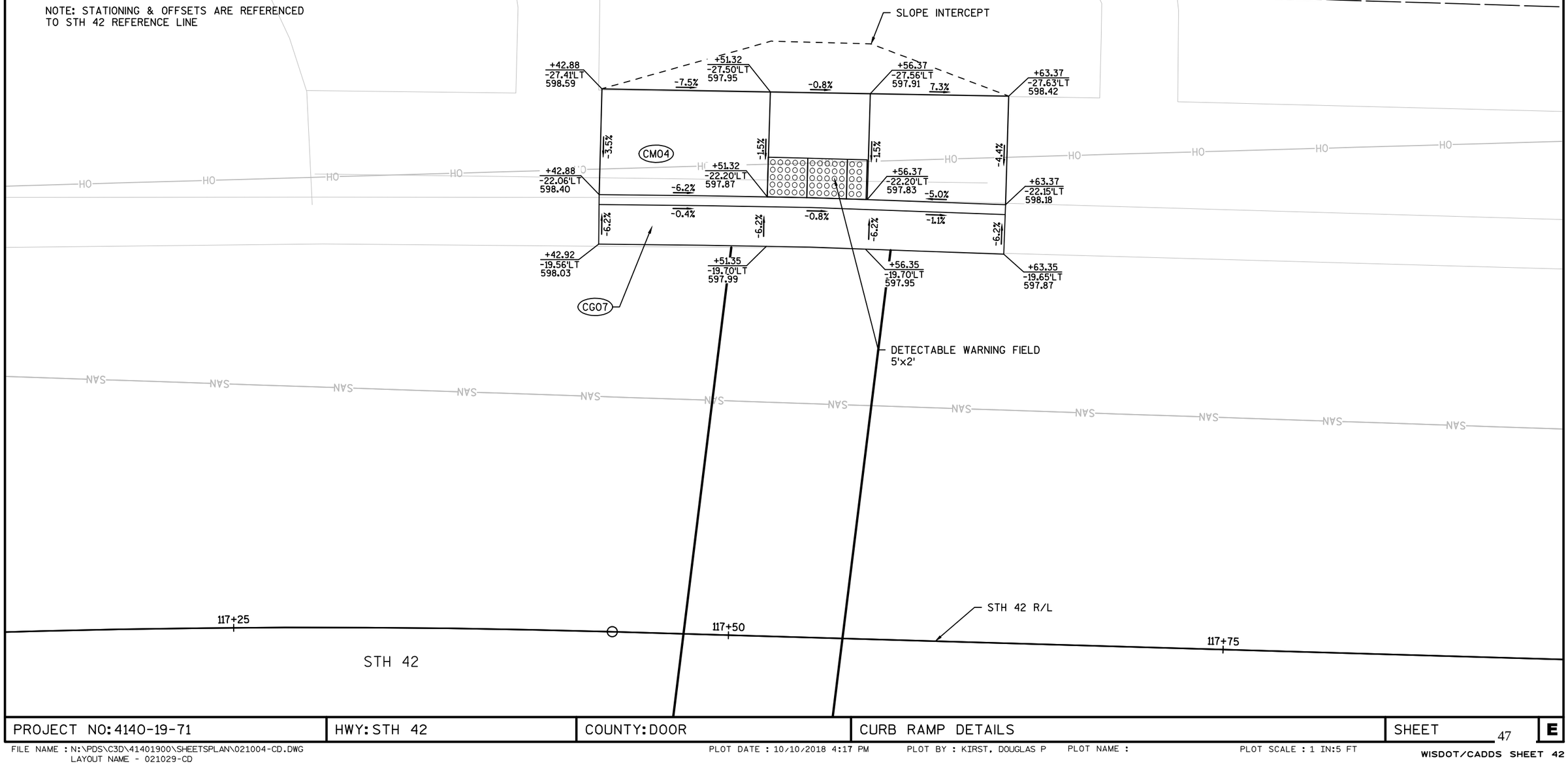
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 46	E

2

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

CURB RAMP TYPE 7A
STA 117+53 23'LT



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 47 E

122+75 | 123+00 | 123+25

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATION & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

STA 123+00 23'RT
CURB RAMP TYPE 7A

STH 42

N

DETECTABLE WARNING FIELD 5'x2'

CG07

+79.65 19.88'RT 598.80 | +87.86 19.93'RT 598.72 | +96.86 19.98'RT 598.63 | +01.86 20.01'RT 598.57 | +07.86 20.05'RT 598.49

-6.2% | -0.7% | -5.2% | -0.8% | -4.0% | -1.2% | -4.0% | -2.0% | -6.2%

+79.63 22.38'RT 599.18 | +87.84 22.43'RT 599.11 | +96.84 22.48'RT 598.55 | +01.84 22.51'RT 598.51 | +07.84 22.55'RT 598.87

-0.8% | -6.2% | -6.1%

1.5% | 1.5% | -1.5% | -1.5% | -1.5%

CM04

+87.84 27.03'RT 599.18 | +96.84 27.11'RT 598.62 | +01.84 27.15'RT 598.58 | +07.84 27.20'RT 598.94

-0.8% | -6.2% | -0.9% | -6.0%

+96.84 27.61'RT 598.97 | +01.84 27.65'RT 598.95

PED1

-1.5%

OH

R/W

DO NOT DISTURB FENCE
FENCE TO REMAIN

SIGN

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 48	E

2

2

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED TO STH 42 REFERENCE LINE

CURB RAMP TYPE 7B
STA 123+00 23'LT

N

R/W

BACKFILL WITH SELECT CRUSHED MATERIAL
FABRIC NOT REQUIRED

SLOPE INTERCEPT

+87.77
-28.04'LT
598.16

+89.14
-28.01'LT
598.10

+98.14
-27.98'LT
597.63

+03.14
-27.96'LT
597.68

+09.14
-27.94'LT
-597.97

CM04

-1.5%

+87.78
-22.47'LT
598.08

+89.14
-22.47'LT
598.01

+98.14
-22.42'LT
597.55

+03.14
-22.40'LT
597.60

+09.14
-22.37'LT
597.88

-5.1%
-0.4%
-1.0%
-4.7%
-1.8%
-6.2%
-6.0%
-4.0%

+87.77
-19.97'LT
597.71

+89.13
-19.97'LT
???

+98.13
-19.92'LT
597.62

+03.13
-19.90'LT
597.57

+09.13
-19.87'LT
597.51

CG07

DETECTABLE WARNING FIELD
5'x2'

PROPOSED STORM SEWER, TYP.

STH 42

STH 42 R/L

122+75

123+00

123+25

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 49 E

2

126+00

STH 42

126+25

126+50

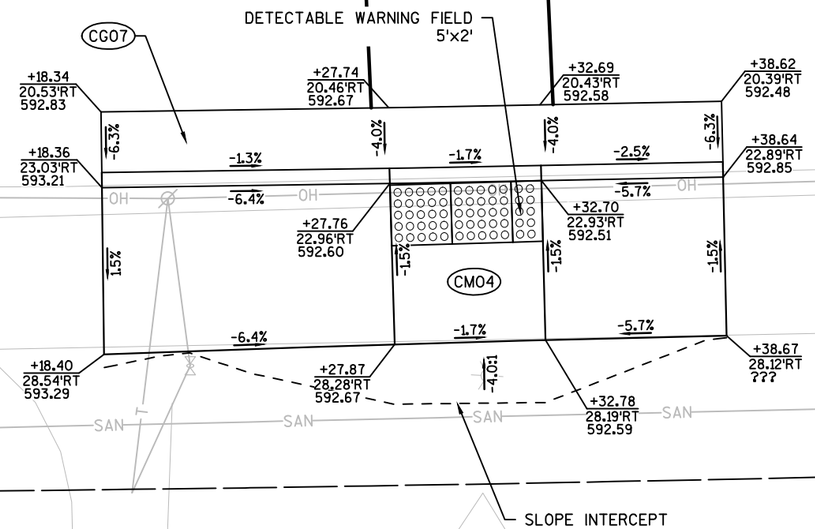
2

N

STA 126+29 24'RT
CURB RAMP TYPE 7A

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED
TO STH 42 REFERENCE LINE



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 50 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\021004-CD.DWG
LAYOUT NAME - 021032-CD

PLOT DATE : 10/10/2018 4:21 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:5 FT

2

N

126+17.15
-49.73'LT
X=530051.963
Y=264598.676
R=30.00'

CURB RAMP
STA 126+41 38'LT

TLE

PLE

GRADE BREAK
1-FT AT 4% FROM
BACK OF SIDEWALK

SLOPE INTERCEPT (TYP)

R/W

+15.30
-28.24'LT
592.45

+23.78
-29.27'LT
591.84

+25.60
-23.55'LT
591.75

+15.37
-22.24'LT
592.36

+15.40
-19.74'LT
591.94

+26.36
-21.16'LT
591.83

+27.72
-30.93'LT
591.78

+30.39
-32.62'LT
591.98

+33.48
-35.40'LT
591.67

+34.04
-27.83'LT
591.89

+30.64
-25.66'LT
591.69

+31.84
-23.46'LT
591.77

+35.56
-25.83'LT
591.72

+36.04
-38.79'LT
591.61

+37.91
-31.28'LT
591.58

+39.52
-46.74'LT
592.00

+39.78
-29.59'LT
591.66

+41.22
-35.61'LT
591.52

+43.39
-34.31'LT
591.60

+45.24
-44.56'LT
591.91

+47.62
-43.65'LT
591.49

-7.6%
-1.4%
-6.3%
-7.5%
-1.5%
-1.3%
-4.5%
-1.1%
-4.0%
-1.5%
-4.0:1
:1.0
:1.5
:4.0

SAN

6.00'

CM04

CG07

R30.00'

3-INCH CURB HEAD

DETECTABLE WARNING FIELD
5'x2'

DETECTABLE WARNING FIELD
5'x2'

SHORE ROAD

10+25'SR'

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED
TO STH 42 REFERENCE LINE

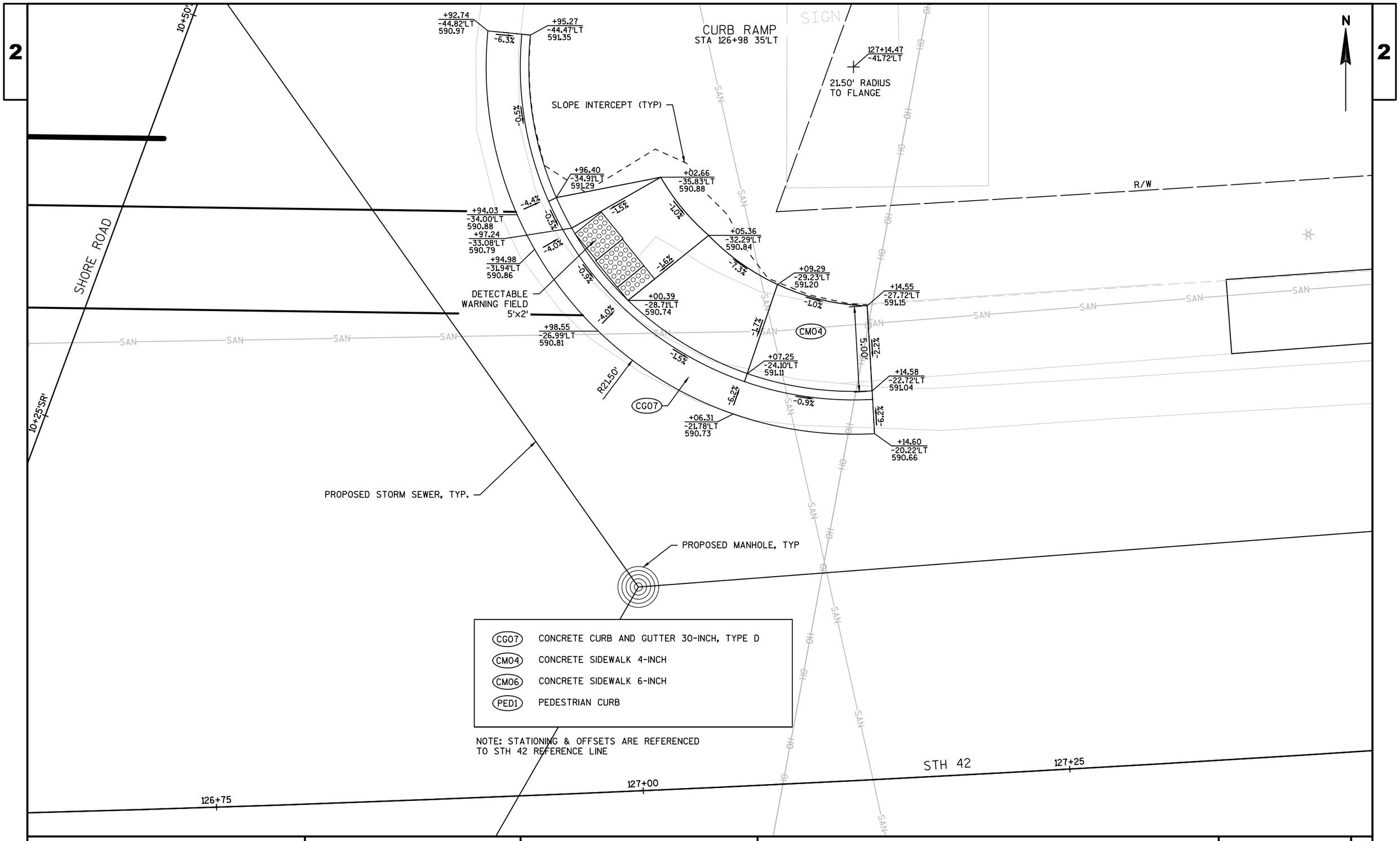
126+00

STH 42

126+25

126+50

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 51	E



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\021004-CD.DWG
LAYOUT NAME - 021034-CD

PLOT DATE : 10/10/2018 4:23 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:5 FT

2

130+25

130+50

STH 42

2

N

STA 130+57 23'RT
CURB RAMP TYPE 7B

DETECTABLE WARNING FIELD
5'x2'

3-INCH CURB HEAD

CG07

+48.15
19.74'RT
588.64

+54.65
19.74'RT
588.67

+59.65
19.73'RT
588.70

+66.15
19.73'RT
588.76

+70.92
19.73'RT
588.80

-6.2%

-1.1%

-4.0%

-0.8%

-4.0%

-0.4%

-5.0%

-0.4%

-6.3%

+48.15
22.24'RT
589.02

-6.5%

+54.65
22.24'RT
588.59

-5.8%

+64.15
22.23'RT
588.89

-3.2%

+70.91
22.23'RT
588.68

-3.2%

-1.5%

-1.5%

+59.65
22.23'RT
588.63

-1.5%

-4.0%

CM04

-2.7%

-0.8%

-5.7%

-1.1%

+48.15
27.51'RT
588.85

+54.65
27.57'RT
588.67

+59.65
27.62'RT
588.71

+64.15
27.66'RT
588.97

+70.90
27.73'RT
588.90

-5.6%

AS03

-5.8%

SLOPE INTERCEPT (TYP)

-1.1%

+54.99
31.27'RT
588.88

+59.43
31.36'RT
588.93

OH

SAN

R/W

AS03	ASPHALTIC SURFACE, 3-INCH
CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING AND OFFSETS ARE REFERENCED
TO STH 42 REFERENCE LINE

2

N

CURB RAMP TYPE 7B
STA 130+59 23'LT

R/W

SLOPE INTERCEPT (TYP)

+50.19
-28.35'LT
590.36

+56.55
-28.35'LT
590.07

+61.55
-28.36'LT
590.11

+67.87
-28.36'LT
590.44

-5.2%

-0.7%

-5.2%

STP1

CM04

STP1

-1.5%

-1.5%

+61.56
-23.36'LT
590.03

+67.78
-23.36'LT
590.30

DRIVEWAY CURB CUT

+56.55
-23.35'LT
590.00

+50.18
-23.35'LT
590.20

-3.6%

-4.3%

DRIVEWAY
CURB CUT

+67.68
-22.69'LT
590.06

+61.55
-22.71'LT
590.02

-0.7%

-0.7%

-0.7%

-6.2%

-6.2%

-6.2%

-6.2%

+50.18
-22.72'LT
589.94

+56.56
-22.71'LT
589.99

+67.67
-20.19'LT
590.18

+61.55
-20.20'LT
590.14

+50.18
-20.22'LT
590.06

+56.55
-20.21'LT
590.11

CG07

CONCRETE CURB
HEAD 6-INCH

CONCRETE CURB
HEAD 6-INCH

DETECTABLE WARNING FIELD
5'x2'

PROPOSED STORM SEWER, TYP.

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB
STP1	SALVAGED TOPSOIL

NOTE: STATIONING & OFFSETS ARE REFERENCED
TO STH 42 REFERENCE LINE

130+50

130+75

STH 42

SIGN

SAN

OH

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 54	E

2

2

CURB RAMP TYPE 4B1
STA 144+02 36'RT

N

10+25'F'

10+50'F'

CG07

CM04

'F'+24.91
55.85'RT
649.71

'F'+29.21
58.40'RT
649.79

'F'+28.96
47.65'RT
649.42

'F'+30.43
42.73'RT
649.16

'F'+28.97
32.69'RT
648.87

'F'+30.45
34.65'RT
649.29

'F'+30.43
31.52'RT
648.85

'F'+31.81
33.53'RT
648.77

'F'+33.18
49.45'RT
649.35

'F'+31.21
38.83'RT
649.10

'F'+34.78
44.07'RT
649.08

'F'+35.79
39.10'RT
649.02

'F'+35.63
27.89'RT
648.76

'F'+36.54
30.21'RT
648.69

'F'+36.39
33.99'RT
648.71

'F'+36.95
27.12'RT
648.74

'F'+38.03
29.33'RT
649.16

'F'+43.59
38.21'RT
649.52

'F'+45.46
42.86'RT
649.61

-1.5%
-3.2%
-5.2%
-1.5%
-6.0%
-1.3%
-0.5%
0.9%
-1.5%
-4.7%
-1.2%
-6.0%
-5.6%
-4.7%
-1.5%

DETECTABLE WARNING FIELD
5'x2'

GRADE BREAK
1-FT AT 4% FROM
BACK OF SIDEWALK

SLOPE INTERCEPT (TYP)

MH

SAN

OH

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED
TO CTH F REFERENCE LINE

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 55	E

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED TO CTH F REFERENCE LINE

CURB RAMP TYPE 4B
STA 114+69 36'RT

PROPOSED STORM SEWER, TYP.

PROPOSED INLET, TYP.

'F'+31.19
-43.74'LT
648.82

'F'+31.23
-40.01'LT
648.83

'F'+36.77
-35.32'LT
648.69

CG07

'F'+30.36
-48.53'LT
649.50

'F'+29.77
-53.03'LT
649.68

PED1

'F'+22.84
-75.21'LT
650.10

'F'+22.37
-77.22'LT
650.10

'F'+23.29
-75.43'LT
650.10

'F'+26.80
-79.55'LT
650.18

'F'+30.36
-53.00'LT
648.96

CM04

'F'+27.77
-77.64'LT
650.13

7.16'
LONG CHORD

'F'+30.98
-48.53'LT
648.89

R57.5'

'F'+36.63
-48.54'LT
648.81

'F'+36.09
-53.55'LT
648.88

'F'+36.78
-38.63'LT
648.67

DETECTABLE WARNING FIELD RADIAL

'F'+42.65
-53.49'LT
649.07

'F'+42.32
-48.49'LT
649.01

'F'+55.03
-44.78'LT
649.47

'F'+58.27
-48.88'LT
649.54

SLOPE INTERCEPT (TYP)

-4.0%
-4.6%
-4.7%
-1.5%
-1.4%
-1.2%
-3.9%
-3.3%

SAN
OH
GUY
STM

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\021004-CD.DWG
LAYOUT NAME - 021038-CD
PLOT DATE : 10/10/2018 4:27 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED TO THE STH 42 REFERENCE LINE

153+25

153+50

STH 42

N

CURB RAMP TYPE 4B1
STA 153+36 39'RT

PROPOSED STORM SEWER, TYP.

153+33.91
17.34'RT
X=532221.591
Y=265119.978
R=20.0'

HO

+20.59
32.36'RT
655.27

-1.5%

+21.69
33.18'RT
PC

R20.00'

-4.9%

+17.85
36.55'RT
655.34

+18.63
37.13'RT
PC

-4.5%

CM04

-1.5%

+28.62
36.63'RT
654.83

-1.5%

+33.56
37.34'RT
654.76

+27.30
41.45'RT
654.91

-1.2%

CG07

-4.0%

-1.2%

-1.6%

-3.2%

+35.56
37.27'RT
654.68
PT

+38.61
36.95'RT
654.77

DETECTABLE WARNING FIELD
5'x2'

-0.9%

-0.6%

+39.35
41.89'RT
654.73

+42.21
41.59'RT
654.82

+33.48
42.34'RT
654.83

+35.98
42.26'RT
654.75

+36.58
42.20'RT
PT

SLOPE INTERCEPT (TYP)

GIBRALTAR RD

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 57 E

2

153+75

154+00

154+25

STH 42

N

2

PROPOSED MANHOLE, TYP.

CURB RAMP TYPE 4B
STA 154+03 32'RT

CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CM04	CONCRETE SIDEWALK 4-INCH
CM06	CONCRETE SIDEWALK 6-INCH
PED1	PEDESTRIAN CURB

NOTE: STATIONING & OFFSETS ARE REFERENCED
TO THE STH 42 REFERENCE LINE

PROPOSED STORM SEWER, TYP.

CG07

+05.01
29.30'RT
655.36

+03.65
29.94'RT
654.86

+02.29
27.84'RT
654.93

+03.65
27.00'RT
654.94

-4.0%

+09.86
28.78'RT
655.46

PED1

-4.0%

+21.03
27.58'RT
655.59

+24.95
27.15'RT
655.73

-4.4%

+25.00
27.65'RT
655.75

-1.5%

+05.64
29.74'RT
654.89

9.03'
LONG CHORD

+94.47
34.45'RT
654.84

+93.81
35.19'RT
654.83

-0.6%

R37.5'

CM04

-1.5%

-1.5%

DETECTABLE WARNING RADIAL

+06.17
34.70'RT
654.92

-4.8%

+25.00
32.67'RT
655.82

+96.71
35.72'RT
654.78

GIBRALTAR RD

PROPOSED INLET, TYP.

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CURB RAMP DETAILS	SHEET 58 E

2

N

MH

PROP

R/L STH 42

589.25 589.51 589.78 590.05 590.13 590.32

107+00 108+00 109+00 110+00 111+00 112+00

STH 42

SS SS SS

MH MH

120+00

PC: 120+23.13

121+00

599.01 599.15 599.24 599.27 599.24

HIGH POINT

122+00

PT: 122+02.44

R/L STH 42

597.60 597.28 596.84 596.38

123+00 124+00 125+00

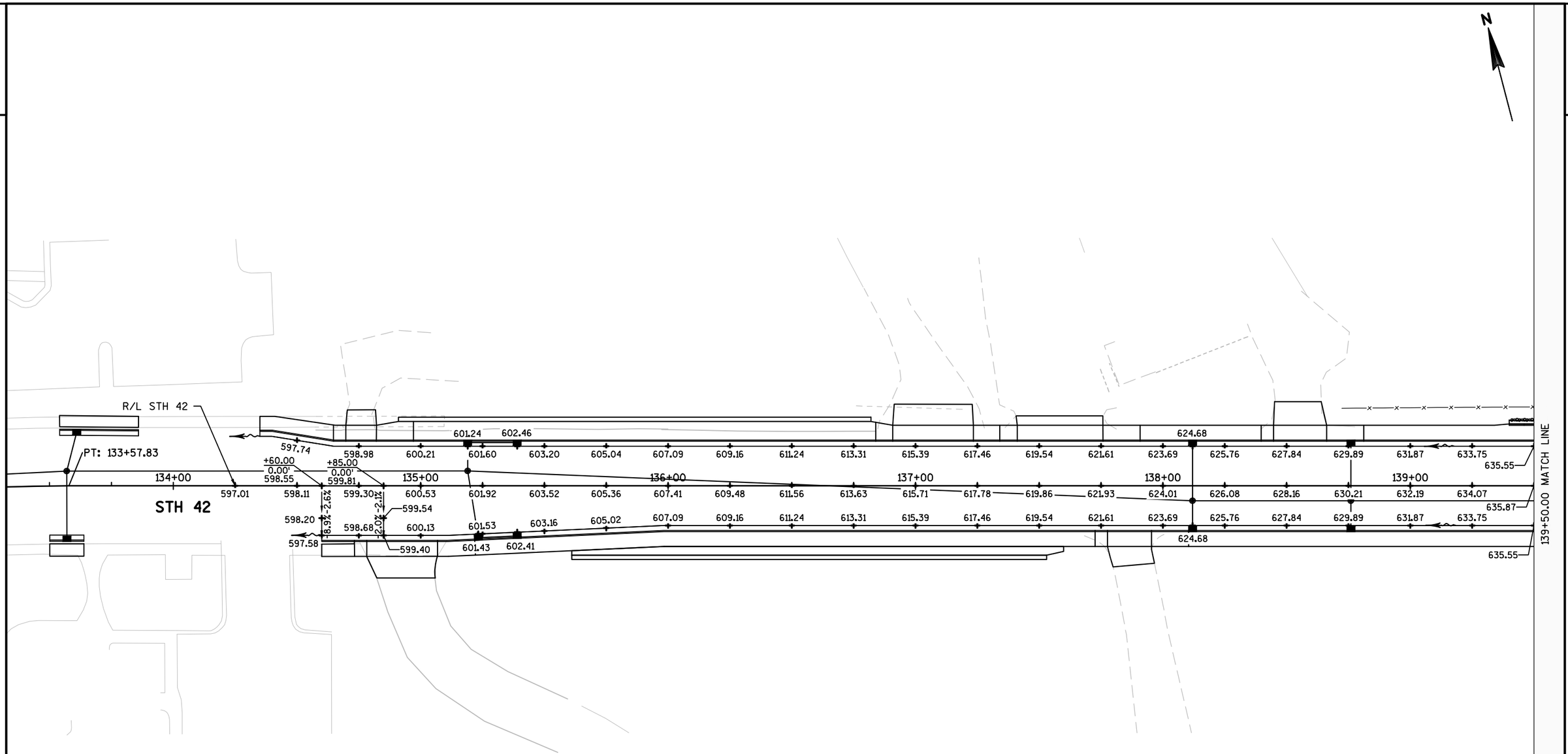
STH 42

598.83 598.59 598.26 597.84 597.36

N

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 59	E

2

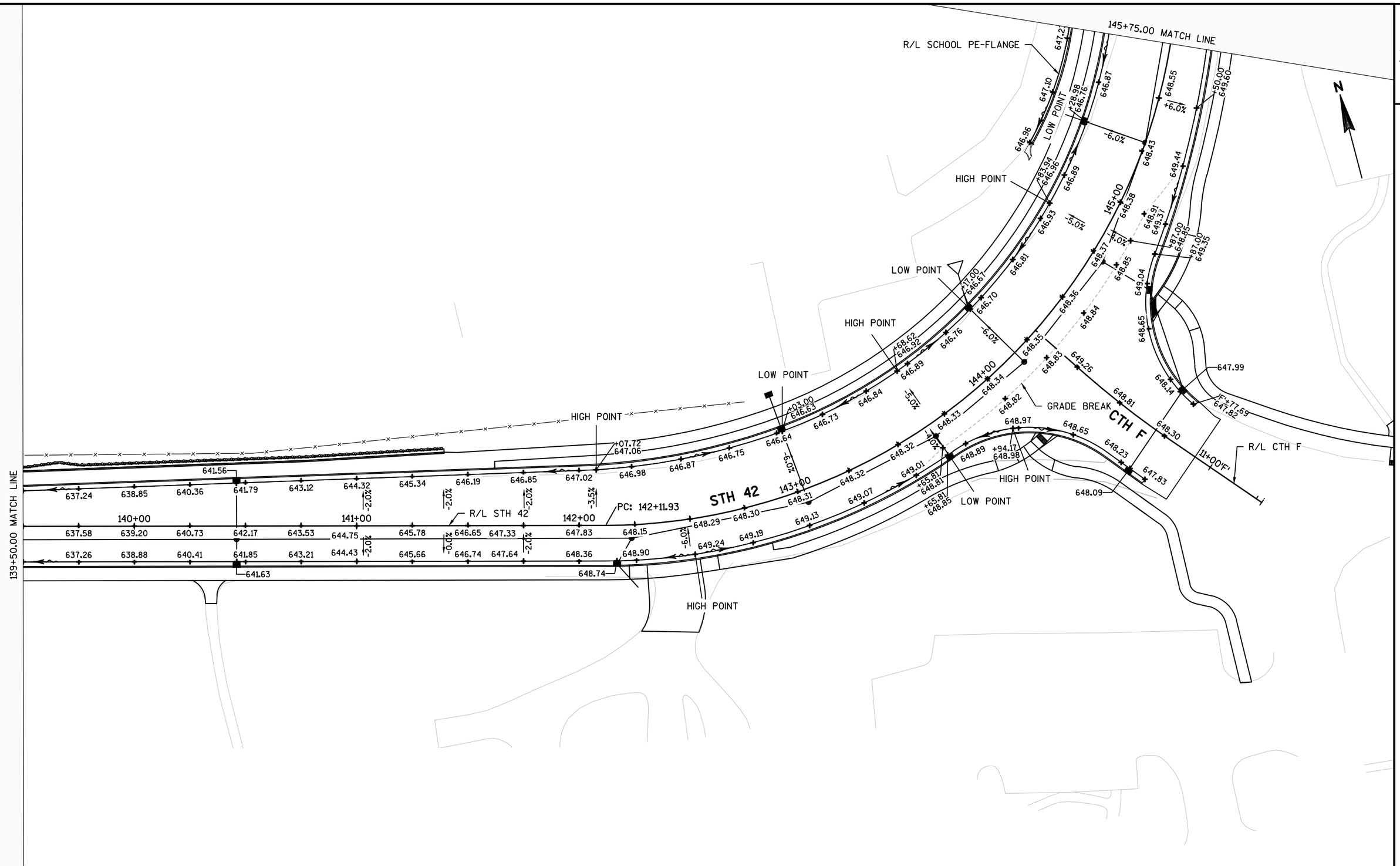


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 60	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\021301-PG.DWG
LAYOUT NAME - 021302-PG

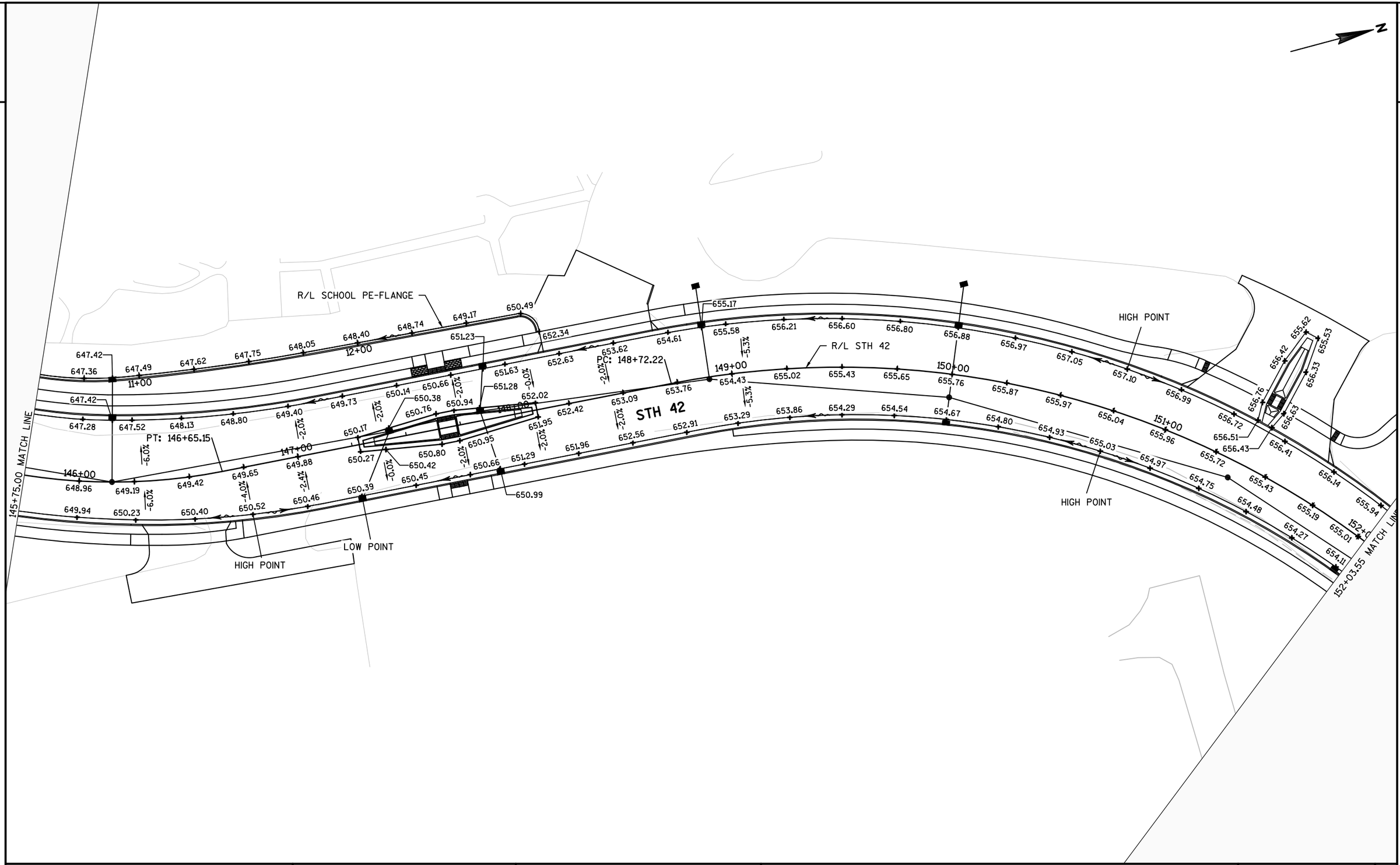
PLOT DATE : 7/24/2018 11:44 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 61	E

2



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 62	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\021301-PG.DWG
LAYOUT NAME - 021304-PG

PLOT DATE : 7/24/2018 11:44 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

STH 42

R/L STH 42

PT: 152+73.26

PI: 154+75.91

LOW POINT

HIGH POINT

LOW POINT

HIGH POINT

LOW POINT

HIGH POINT

152+03.55 MATCH LINE

GIBRALTAR RD

153+00

154+00

155+00

156+00

157+00

158+00

655.79 655.61 655.37 655.27 -5.3% -2.0% -0.0% -2.0%

654.89 654.82 654.81 654.85 654.95 655.08 655.21 655.34 655.47 655.60 655.73 655.86 655.99 656.12 656.25 656.37 -2.1% -2.0% -2.0% -2.0% -2.0% -2.4%

654.01 654.03 654.26 654.46 653.97 654.67 654.89 654.94 654.78 654.88 654.92 654.96 654.71 655.05 655.23 655.37 655.47 655.57 655.68 655.78 655.99 656.09 -5.3% -5.3% -2.1% -2.0% -2.0% -2.0% -2.0% -2.0% -2.0% -2.0%

+60.10 655.30

+00.00 655.88

+80.68 656.22

656.03 656.08 656.15 656.20

656.41 656.47 656.49 656.66 656.40 656.46 656.49 656.66 656.76 656.78 656.79 656.79

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 63	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\021301-PG.DWG
LAYOUT NAME - 021305-PG

PLOT DATE : 7/24/2018 11:45 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

593.58
592.83
592.43
592.10
126+00
R/L STH 42
591.84
591.62
591.39
591.36
591.05
590.71
590.34
589.93
589.48
589.00
588.50
588.11
587.87
587.63
587.37
LOW POINT
587.31
587.40
587.34
587.59
587.86
588.02
588.12
588.23
588.33
HIGH POINT
588.37
15+00'S'
14+00'S'
13+00'S'
12+00'S'
11+00'S'
R/L SHORE RD
SHORE RD
592.15
591.86
591.53
591.19
590.82
590.41
589.96
589.48
588.98
588.53
588.19
587.93
587.67
587.64
587.89
588.16
588.32
588.42
590.97
590.82
590.68
127+00
587.02
587.07
587.00
STH 42
128+00

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 64	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\021301-PG.DWG
LAYOUT NAME - 021306-PG
PLOT DATE : 7/24/2018 11:45 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

BEGIN PROJECT
STA 96+50.00
Y=265,015.713
X=527,544.501

96+00 97+00 98+00 99+00 100+00

STH 42

MAIN ST

SPRUCE ST

STH 42

101+00

102+00

R/L STH 42

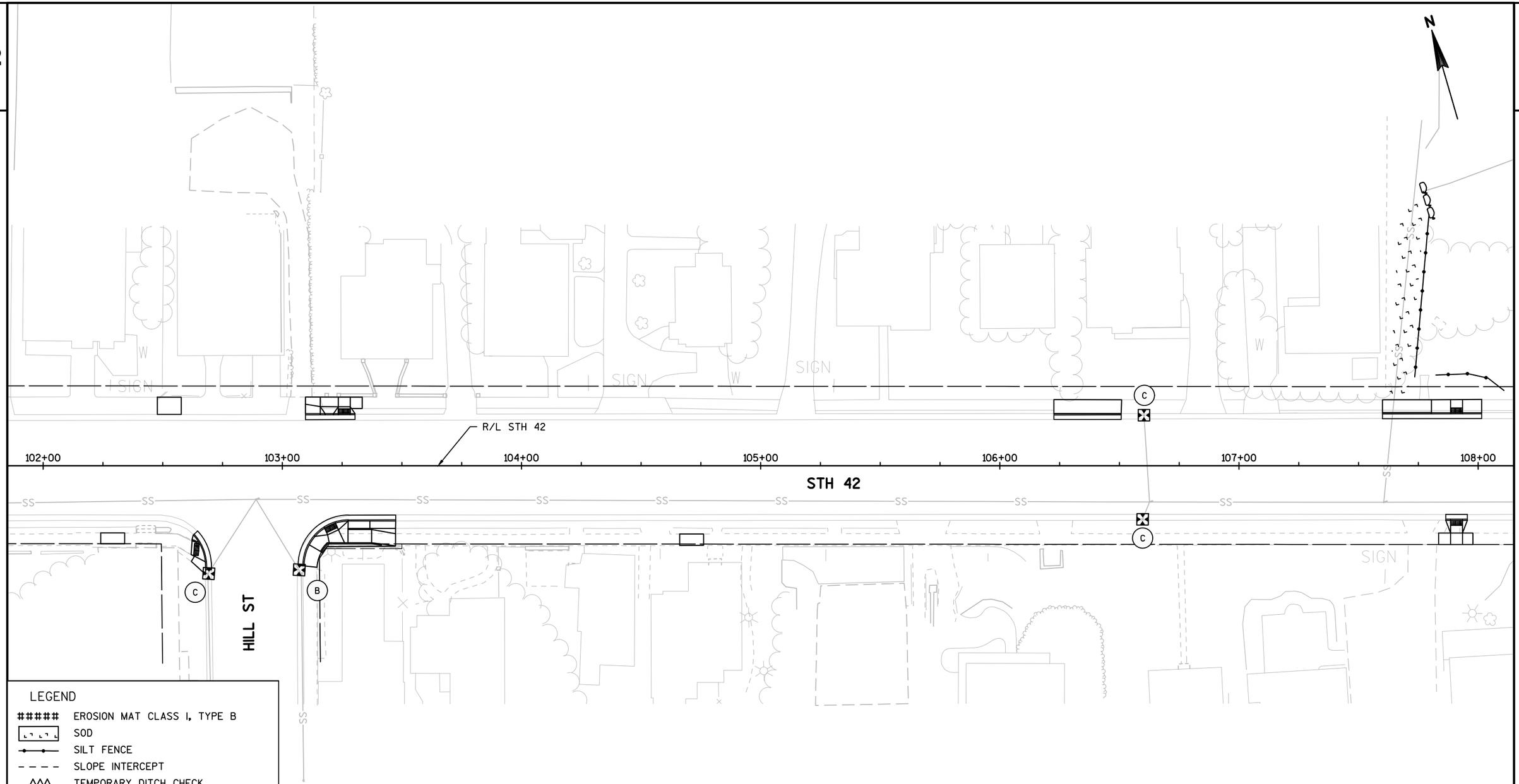
LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 65 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-EC
PLOT DATE : 10/10/2018 4:34 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

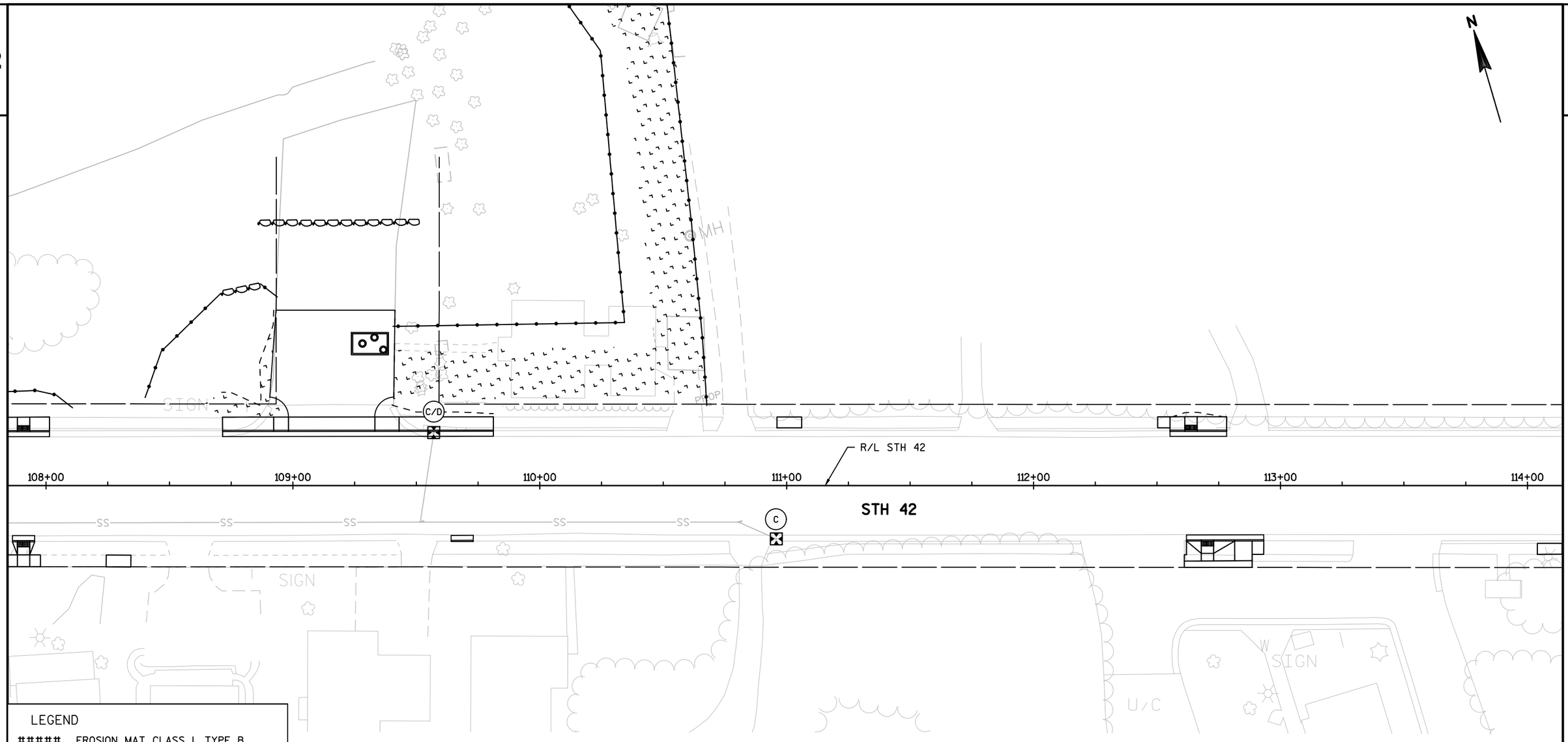


LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 66	E

2



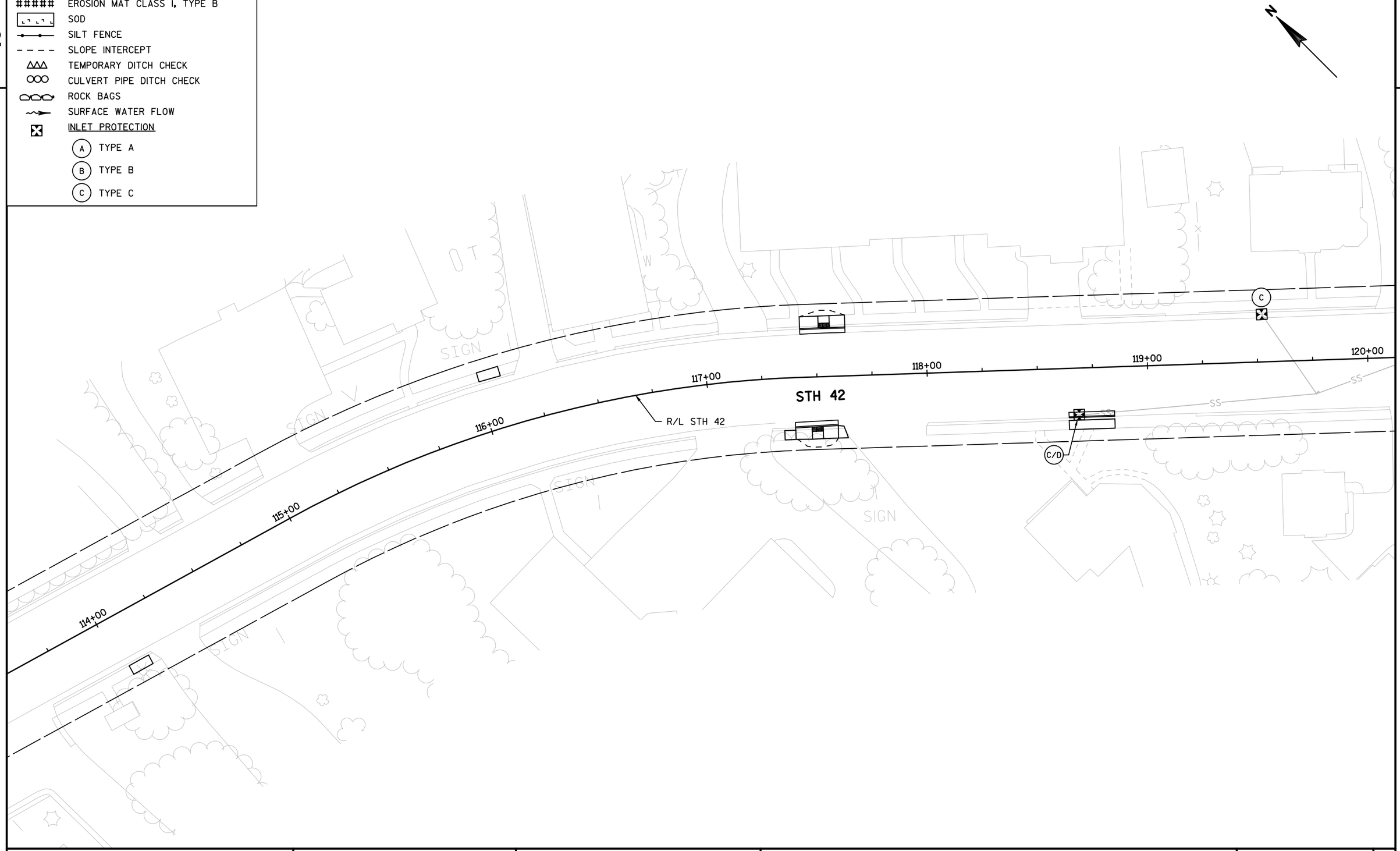
LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 67	E

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 68	E

2

2

N

120+00

121+00

122+00

123+00

124+00

125+00

126+00

STH 42

R/L STH 42

SIGN

SIGN

SIGN

FOUND

U/C

SS

SS

SS

SS

SS

SS

C

LEGEND

EROSION MAT CLASS I, TYPE B

SOD

SILT FENCE

SLOPE INTERCEPT

TEMPORARY DITCH CHECK

CULVERT PIPE DITCH CHECK

ROCK BAGS

SURFACE WATER FLOW

INLET PROTECTION

A TYPE A

B TYPE B

C TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 69	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022005-EC

PLOT DATE : 10/10/2018 4:36 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

SHORE RD

STH 42

R/L STH 42

11+00

12+00

126+00

127+00

128+00

129+00

130+00

131+00

132+00

C/D

C

SS

SIGN

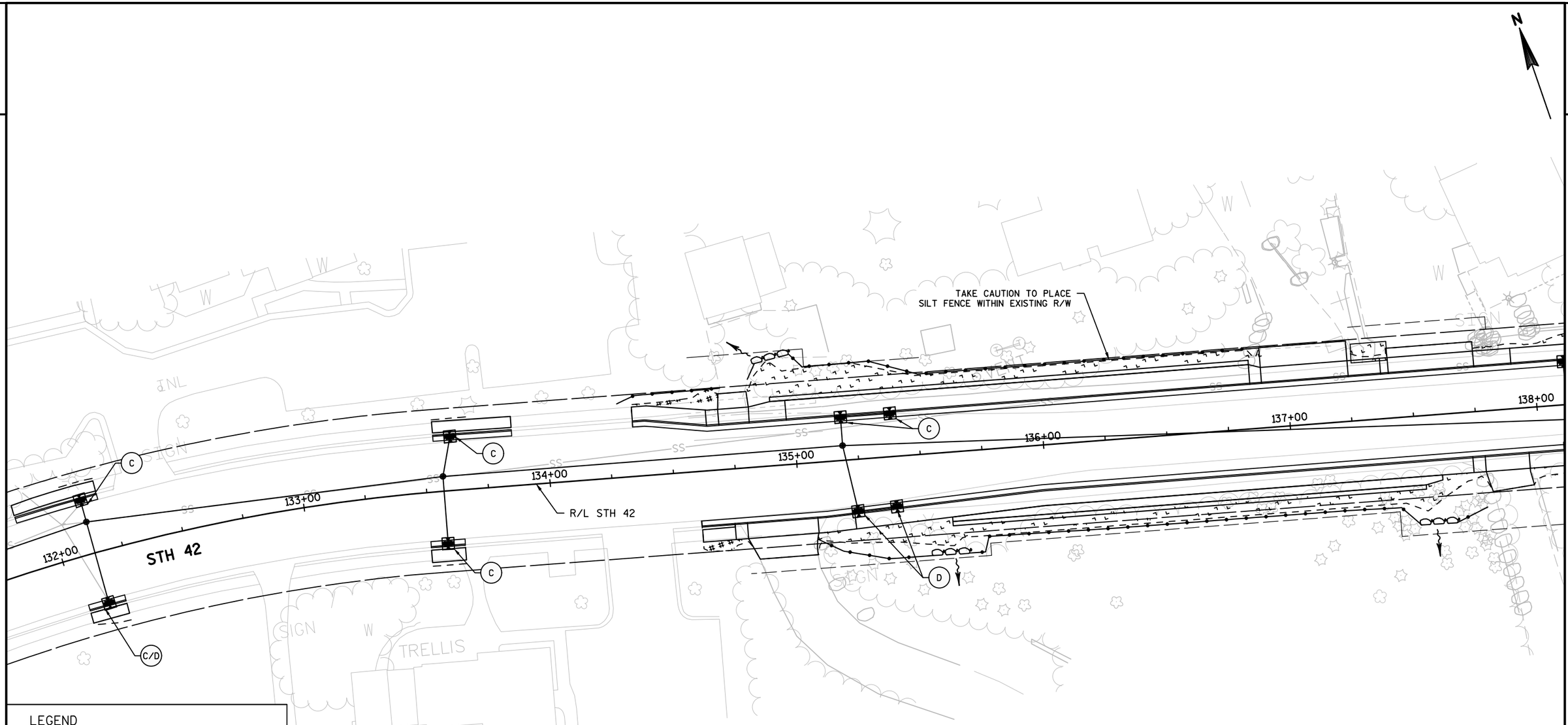
U/C

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 70	E

2

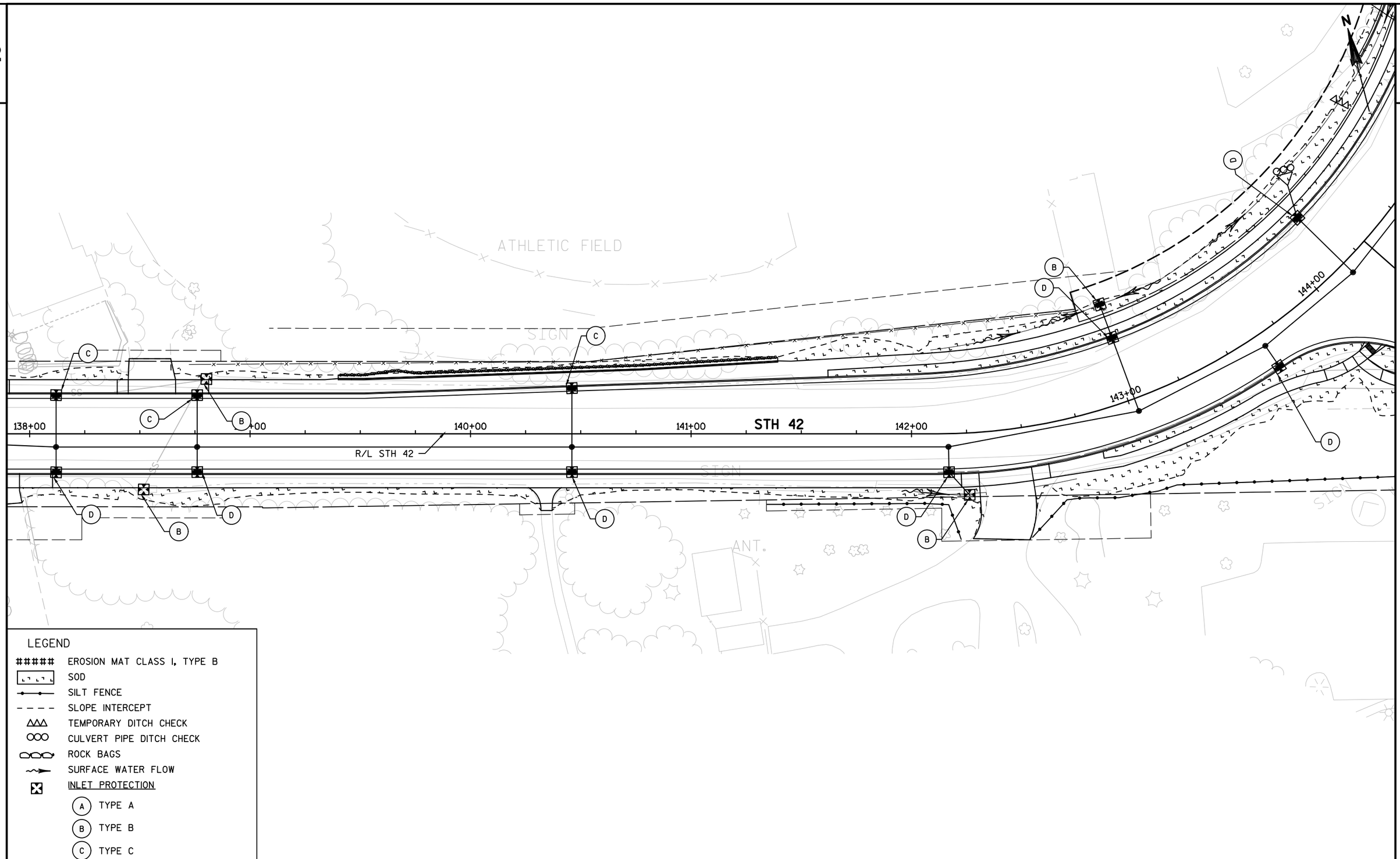


LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 71	E

2



LEGEND

#####	EROSION MAT CLASS I, TYPE B
	SOD
	SILT FENCE
	SLOPE INTERCEPT
	TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK
	ROCK BAGS
	SURFACE WATER FLOW
	INLET PROTECTION
A	TYPE A
B	TYPE B
C	TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 72	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022008-EC
PLOT DATE : 10/10/2018 4:38 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

144+00

145+00

146+00

147+00

148+00

149+00

CTH F

R/L CTH F

11+00

STH 42

R/L STH 42

STH 42

TEMPORARY DRIVEWAY

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C

NOTE: CONSERVATION EASEMENT EXISTS FROM STATION 147+18-150+82 RT. PLACE SILT FENCE NO MORE THAN 2' BEYOND SLOPE INTERCEPT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 73	E

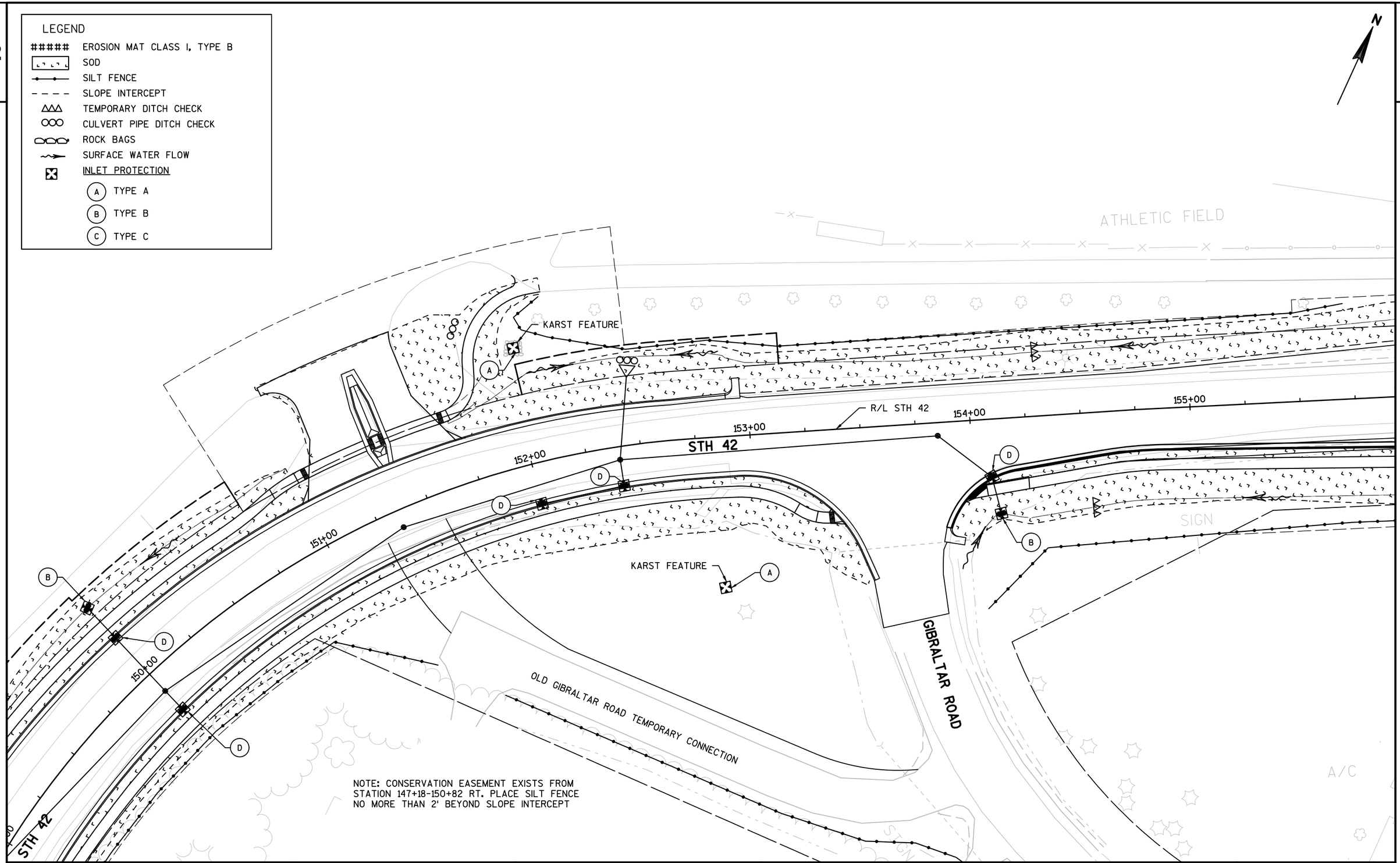
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022009-EC

PLOT DATE : 10/10/2018 4:38 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C



NOTE: CONSERVATION EASEMENT EXISTS FROM STATION 147+18-150+82 RT. PLACE SILT FENCE NO MORE THAN 2' BEYOND SLOPE INTERCEPT

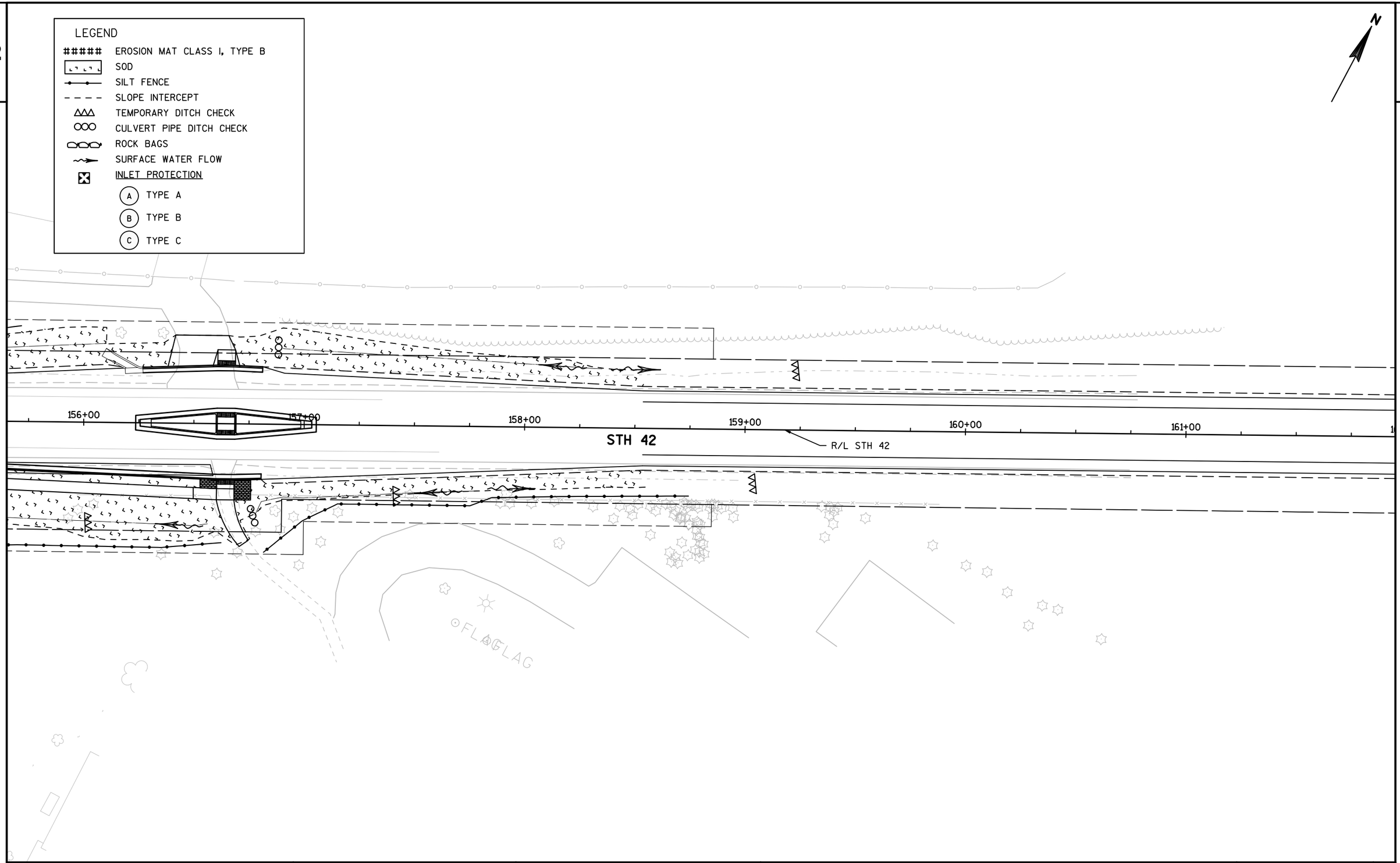
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 74	E

2

2

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C

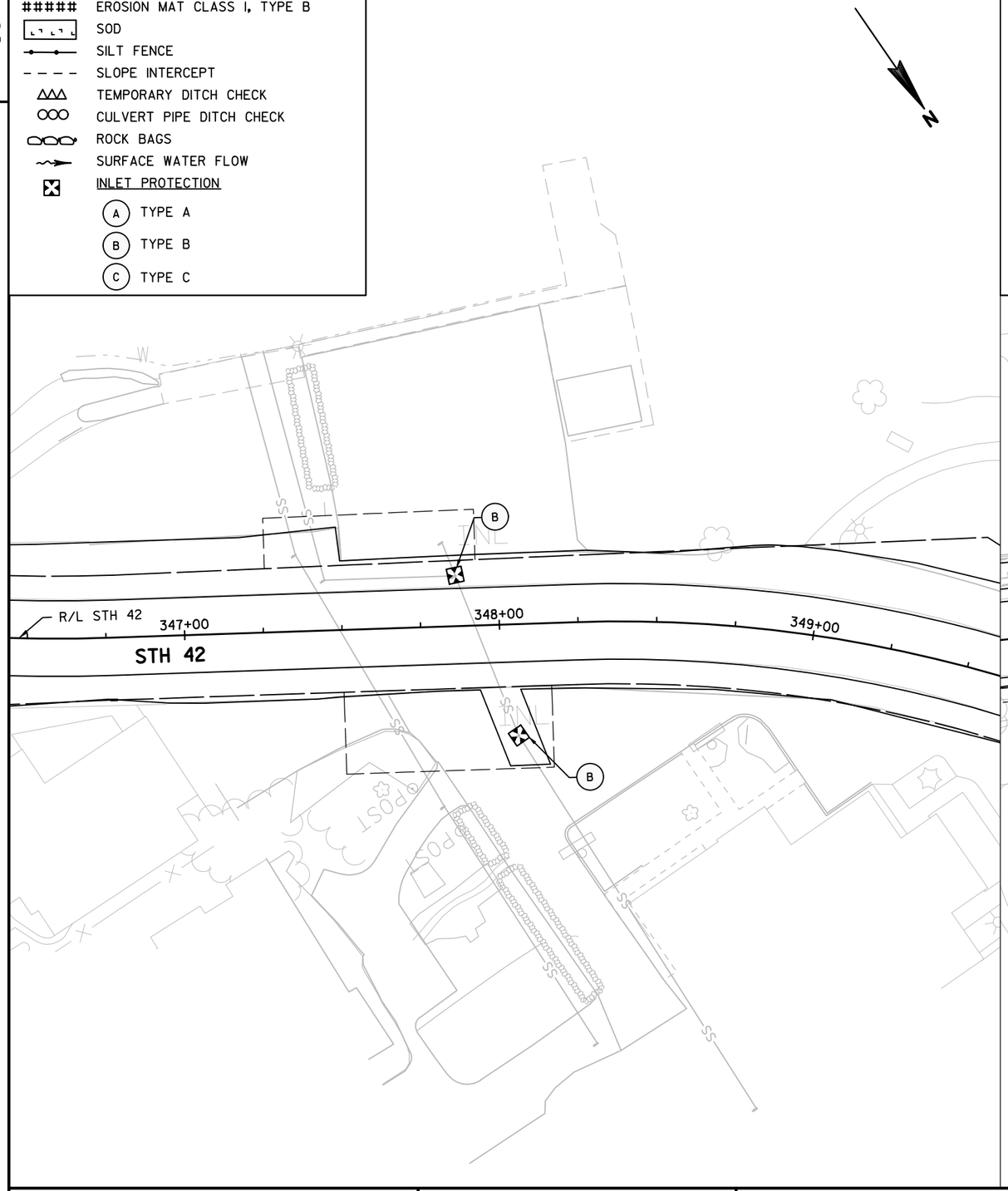


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 75	E

2

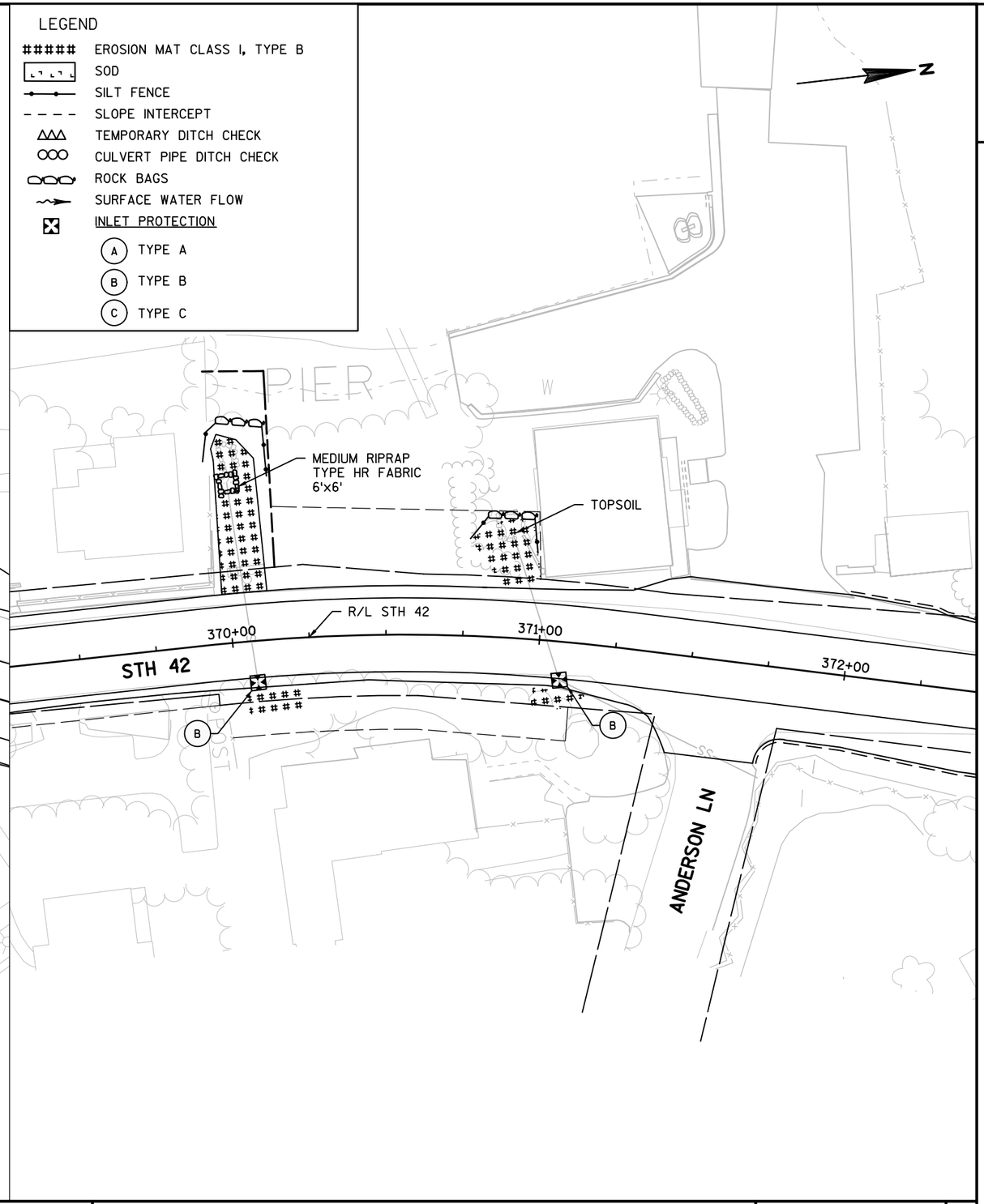
LEGEND

EROSION MAT CLASS I, TYPE B
SOD
SILT FENCE
SLOPE INTERCEPT
TEMPORARY DITCH CHECK
CULVERT PIPE DITCH CHECK
ROCK BAGS
SURFACE WATER FLOW
INLET PROTECTION
(A) TYPE A
(B) TYPE B
(C) TYPE C



LEGEND

EROSION MAT CLASS I, TYPE B
SOD
SILT FENCE
SLOPE INTERCEPT
TEMPORARY DITCH CHECK
CULVERT PIPE DITCH CHECK
ROCK BAGS
SURFACE WATER FLOW
INLET PROTECTION
(A) TYPE A
(B) TYPE B
(C) TYPE C



2

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 76	E

2

2

N ORCHARD RD

POOL

SIGN

SIGN

N

422+00

423+00

R/L STH 42

424+00

425+00

426+00

427+00

428+00

STH 42

ANT.

LEGEND

EROSION MAT CLASS I, TYPE B

SOD

SILT FENCE

SLOPE INTERCEPT

TEMPORARY DITCH CHECK

CULVERT PIPE DITCH CHECK

ROCK BAGS

SURFACE WATER FLOW

INLET PROTECTION

(A) TYPE A

(B) TYPE B

(C) TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 77	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022013-EC

PLOT DATE : 10/10/2018 4:41 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

POOL

PLAYGROUND

T

N

441+00 442+00 R/L STH 42 443+00 444+00 445+00 446+00 447+00

STH 42

SIGN

PLAYGROUND

POOL

LEGEND

EROSION MAT CLASS I, TYPE B

SOD

SILT FENCE

SLOPE INTERCEPT

TEMPORARY DITCH CHECK

CULVERT PIPE DITCH CHECK

ROCK BAGS

SURFACE WATER FLOW

INLET PROTECTION

(A) TYPE A

(B) TYPE B

(C) TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 78	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022014-EC

PLOT DATE : 10/10/2018 4:41 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SHANNON LN

R/L STH 42

448+00 449+00 450+00 451+00 452+00 453+00

STH 42

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C

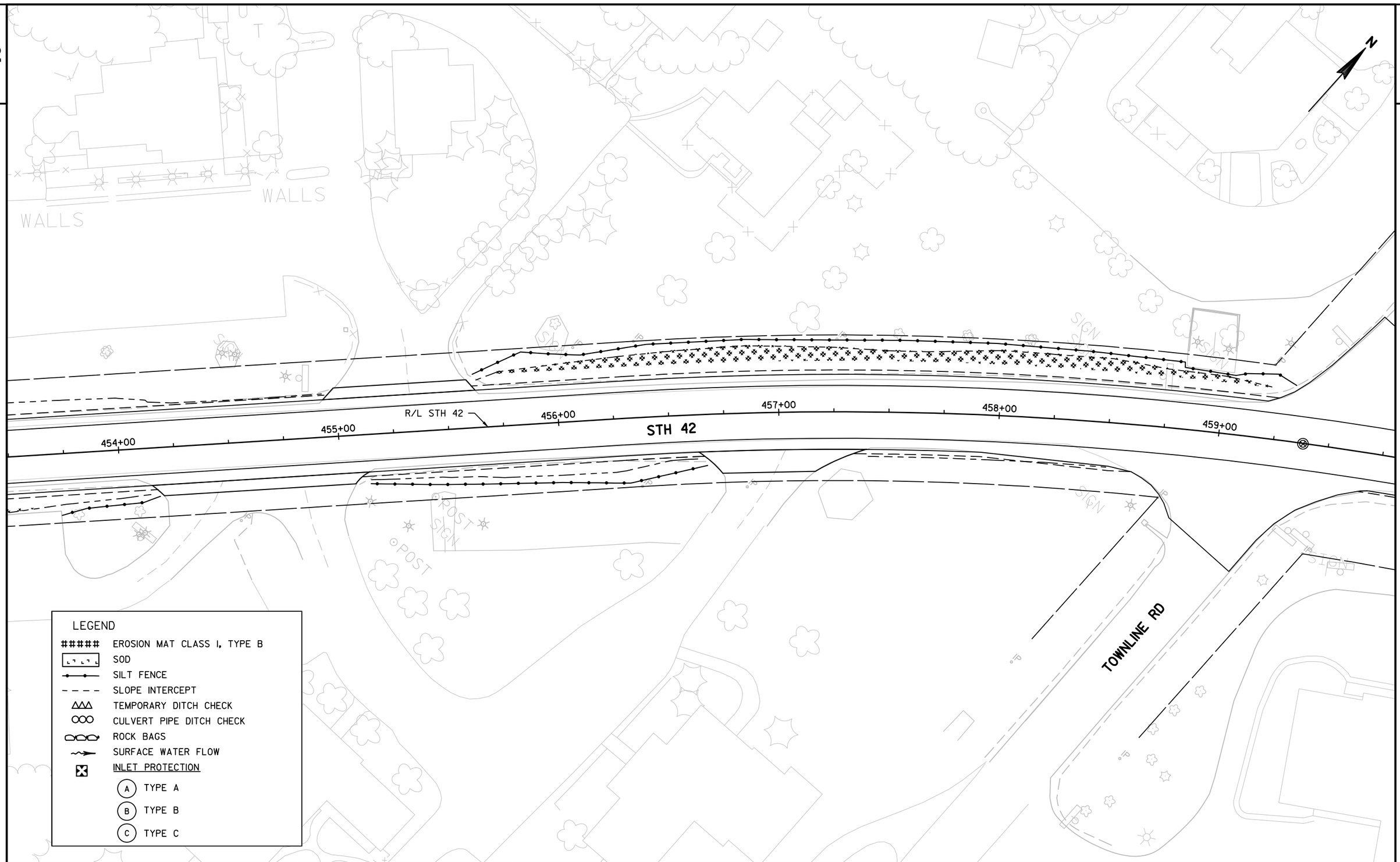
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 79	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022015-EC

PLOT DATE : 10/10/2018 4:41 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 80	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022016-EC

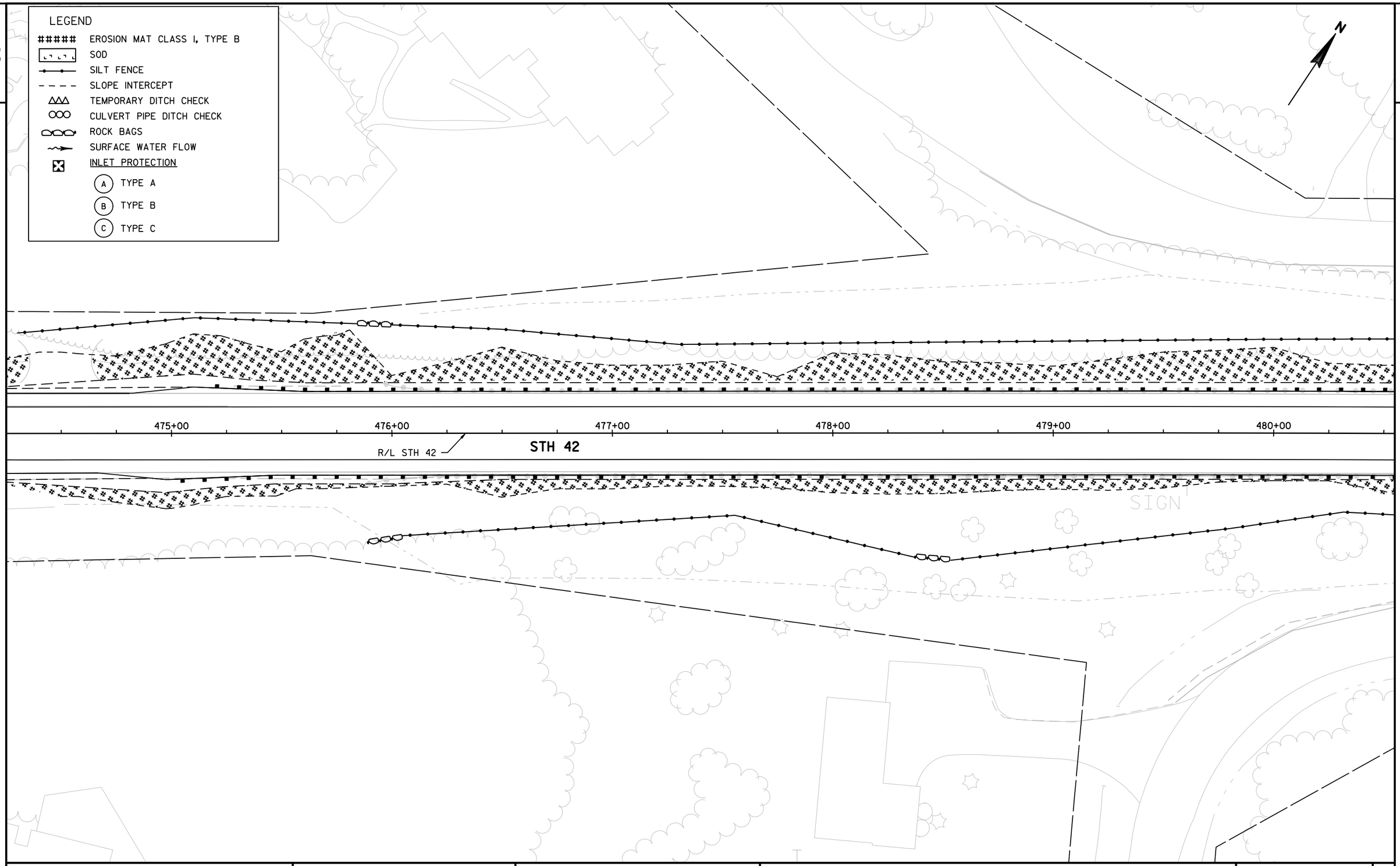
PLOT DATE : 10/10/2018 4:42 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C



2

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 81	E

2

LEGEND

- ##### EROSION MAT CLASS I, TYPE B
- SOD
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- ROCK BAGS
- SURFACE WATER FLOW
- INLET PROTECTION
  - (A) TYPE A
  - (B) TYPE B
  - (C) TYPE C

N

S. BAY SHORE DR

481+00 482+00 483+00 484+00 485+00 486+00

R/L STH 42

STH 42

COUNTRY LN

2

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 82	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022018-ec

PLOT DATE : 10/10/2018 4:43 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

RIPRAP MEDIUM
TYPE HR FABRIC
6'x6'

126+00

11+00

12+00

13+00

14+00

15+00

SHORE RD

C/D

D

127+00

R/L SHORE RD

C/D

STH 42

128+00

SIGN

SS

LEGEND

#####	EROSION MAT CLASS I, TYPE B
	SOD
	SILT FENCE
	SLOPE INTERCEPT
	TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK
	ROCK BAGS
	SURFACE WATER FLOW
	INLET PROTECTION
(A)	TYPE A
(B)	TYPE B
(C)	TYPE C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 83 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022019-ec
PLOT DATE : 10/10/2018 4:43 PM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE: DESIGNER ASSUMED 1-FOOT OF PAVEMENT REMOVAL ADJACENT TO PROPOSED FLANGE WHEN C&G TO BE HAND POURED.
DESIGNER ASSUMED 3-FEET OF PAVEMENT REMOVAL ADJACENT TO PROPOSED FLANGE WHEN C&G TO BE SLIP FORMED.
CONTRACTOR AND FIELD STAFF TO DISCUSS PLACEMENT METHODS PRIOR TO SAW CUTS.

EXIST R/W

STH 42

95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00

BUTT JOINT REQ'D +50.00 0.00'

REMOVE C&G +50.71 19.02'RT +50.78 27.95'RT

REMOVE SW

+25.70 46.44'RT

BUTT JOINT REQ'D +11.94 47.38'RT

+38.31 54.95'RT

BLUFF LANE

REMOVE SW

DO NOT DISTURB EXISTING RETAINING WALL AND STONE PILLARS

+09.67 -28.78'LT +33.41 -28.70'LT +33.41 -23.98'LT +30.41 -21.84'LT +09.68 -18.32'LT +30.42 -18.34'LT

REMOVE C&G

+57.75 -28.69'LT

+47.73 -21.50'LT

REMOVE SS 15-INCH

+80.97 7.98'RT +13.81 8.07'RT +13.77 20.07'RT +80.93 19.98'RT

DO NOT DISTRUB EXISTING STEPS OR RETAINING WALL

+34.12 28.05'RT +24.11 32.59'RT +62.28 31.33'RT

REMOVE SW

EXISTING HANDRAIL TO REMAIN IN PLACE

+71.41 43.41'RT

+61.92 37.09'RT +67.95 45.44'RT +61.95 39.98'RT

BUTT JOINT REQ'D +89.63 49.81'RT

+47.39 19.60'RT REMOVE C&G REMOVE CURB +47.37 33.55'RT

+14.53 49.87'RT

DO NOT DISTURB EXISTING RETAINING WALL

REMOVE SW

+49.02 6.48'RT +83.02 6.58'RT +49.03 20.53'RT +83.03 20.51'RT

REMOVE SS 15-INCH

+76.13 28.48'RT

+66.16 33.27'RT

REMOVE SW

EXIST R/W

+22.56 -27.68'LT +50.89 -27.63'LT

REMOVE SW

REMOVE C&G

+66.81 6.98'RT +66.82 20.39'RT

REMOVE SS 30-INCH

REMOVE SW

REMOVE C&G +01.42 -27.78'LT +59.98 -19.72'LT

REMOVE SS 30-INCH

REMOVE MH

REMOVE SS 15-INCH +83.40 32.92'RT

REMOVE SW

REMOVE C&G +97.75 32.93'RT

EXIST R/W

BUTT JOINT REQ'D M'+59.15 0.00'

+68.63 -36.36'LT +64.06 -32.68'LT +56.23 -32.86'LT +78.18 -35.73'LT +81.48 -34.56'LT

REMOVE SW

REMOVE C&G

+62.76 -19.82'LT

M'+80.12 -3.70'LT

M'+37.19 -19.65'LT M'+43.56 -19.59'LT

REMOVE INLET REMOVE SS 15-INCH

REMOVE CURB

M'+74.17 -58.03'LT

REMOVE SW

M'+87.39 -10.84'LT M'+88.67 -30.50'LT

SPRUCE ST

+14.34 -45.23'LT

BUTT JOINT REQ'D M'+95.61 -58.66'LT

REMOVE C&G

+49.21 18.43'RT +44.24 21.98'RT

REMOVE C&G

REMOVE CURB

REMOVE SW

REMOVE TYPE II FLASHING BEACON REMOVE CONCRETE BASE

+56.32 19.95'RT

+47.06 -18.07'LT

DO NOT DISTURB EXISTING RETAINING WALL AND STEPS

LEGEND

- CLEARING & GRUBBING
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING TREE
- SAWING ASPHALT/CONCRETE
- ROADWAY REMOVAL AREAS

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 84 E

2

STRUCTURE REMOVED BY OTHERS

STRUCTURE REMOVED BY OTHERS

+17.25
-71.04'LT

BROWN AVE
FISH CREEK
BEACH

REMOVE C&G

REMOVE SW

REMOVE C&G

REMOVE SW

REMOVE INLET

REMOVE SS
12-INCH

EXIST R/W

REMOVE SW

REMOVE C&G

+50.24
-23.39'LT

+55.25
-18.93'LT

+78.17
-18.93'LT

+71.46
-12.00'LT

+80.70
-12.00'LT

+97.39
-12.00'LT

+47.55
-12.00'LT

+47.03
-8.58'LT

+63.21
-8.58'LT

+81.21
-12.00'LT

109+00

110+00

111+00

112+00

113+00

114+00

REMOVE SW

+91.74
6.96'RT

+97.00
6.96'RT

+75.05
6.96'RT

+49.10
46.82'RT

STH 42

+81.45
6.82'RT

REMOVE C&G

REMOVE SS
15-INCH

+64.08
22.70'RT

+73.08
22.70'RT

+65.79
27.89'RT

+70.79
27.87'RT

REMOVE SW

REMOVE SW

EXIST R/W

REMOVE SW

+61.93
28.01'RT

+88.55
27.90'RT

REMOVE C&G

REMOVE SW

REMOVE SW

LEGEND

- CLEARING & GRUBBING
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- X REMOVING TREE
- XXXX SAWING ASPHALT/CONCRETE
- ROADWAY REMOVAL AREAS

REMOVE SW

EXIST R/W

REMOVE SW

+63.31
-27.63'LT

REMOVE C&G

115+00

116+00

117+00

118+00

119+00

120+00

STH 42

REMOVE C&G

+39.40
19.35'RT

+58.85
18.90'RT

+34.13
28.04'RT

+63.36
28.11'RT

REMOVE SW

+63.72
12.93'RT

+84.42
12.90'RT

REMOVE INLET

REMOVE SW

REMOVE C&G

REMOVE SS
15-INCH

REMOVE SS
12-INCH

+64.88
-13.80'LT

+54.76
-7.37'LT

+64.26
7.58'RT

+60.25
13.30'RT

+60.26
19.78'RT

REMOVE MH

+78.78
8.07'RT

+81.66
19.75'RT

REMOVE SS
15-INCH

REMOVE SS
15-INCH

REMOVE SW

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 85	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022401-RM.DWG
LAYOUT NAME - 022402-RM

PLOT DATE : 10/11/2018 6:16 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

N

+79.14
-19.53'LT

+68.46
-16.40'LT

REMOVE SS 15-INCH

REMOVE MH

REMOVE SS 15-INCH

121+00

122+00

123+00

124+00

125+00

126+00

+75.05
19.33'RT

+50.00
-1.40'LT

+87.77
-28.04'LT

REMOVE SW

REMOVE C&G

+82.36
-26.74'LT

+57.16
-18.62'LT

+57.15
-8.00'LT

CAUTION: DO NOT SAW CUT BOX CULVERT
FIELD VERIFY ASPHALT THICKNESS

+21.05
-21.67'LT

+31.05
-21.65'LT

REMOVE SW

EXIST R/W

REMOVE SW

REMOVE C&G

+27.37
-15.83'LT

REMOVE MH

REMOVE SS 12-INCH

REMOVE INLET

REMOVE SS
24-INCH

+92.74
-44.82'LT

SHORE RD

+89.99
-16.17'LT

+90.02
-7.00'LT

127+

STH 42

+87.85
19.10'RT

REMOVE
C&G

REMOVE SS
12-INCH

+72.42
19.19'RT

REMOVE
INLET

REMOVE
SW

REMOVE
C&G

+18.40
28.53'RT

+38.67
28.12'RT

REMOVE SW

EXIST R/W

+90.71
32.14'RT

+04.18
32.01'RT

REMOVE SW

REMOVE C&G

+43.05
22.03'RT

+53.05
22.10'RT

+19.98
26.33'RT

+69.60
26.88'RT

REMOVE SW

REMOVE C&G

+82.28
27.80'RT

LEGEND

- CLEARING & GRUBBING
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- X REMOVING TREE
- XXXX SAWING ASPHALT/CONCRETE
- ROADWAY REMOVAL AREAS

N

+35.90
-28.07'LT

REMOVE
SW

REMOVE
C&G

+14.55
-27.72'LT

REMOVE
SW

+46.08
-23.83'LT

REMOVE MH

+04.25
-7.00'LT

+12.66
18.99'RT

+12.76
27.99'RT

EXIST R/W

REMOVE INLET

+19.08
-27.92'LT

+32.91
27.97'LT

REMOVE SS
12-INCH

REMOVE SS
24-INCH

REMOVE SS
15-INCH

REMOVE MH

REMOVE SS
18-INCH

129+00

130+00

131+00

132+00

133+00

STH 42

+79.95
-7.00'LT

+20.44
-7.00'LT

+56.56
19.76'RT

REMOVE INLET

+79.76
16.76'RT

+19.00
16.75'RT

REMOVE SS
15-INCH & AEW

TLE

PLE

REMOVE
SW

REMOVE
C&G

REMOVE SS
12-INCH

REMOVE MH

REMOVE ASPH.
SURFACE

REMOVE
C&G

+48.34
27.51'RT

+68.60
27.71'RT

+59.43
31.36'RT

REMOVE
SW

+50.18
-20.22'LT

+67.76
-20.21'LT

+20.52
-7.00'LT

REMOVE SS
12-INCH

+28.35
16.67'RT

REMOVE INLET

REMOVE
SW

REMOVE SS TO 2-FT BEHIND BACK OF CURB
12-INCH
SEAL PIPE

+86.96
-28.00'LT

REMOVE MH

REMOVE SS
15-INCH

REMOVE INLET

+20.22
-20.63'LT

REMOVE MH

+35.35
-7.00'LT

+00.85
-7.00'LT

REMOVE SS
12-INCH

+20.67
0.00'LT

REMOVE SS
12-INCH

REMOVE SS
12-INCH

REMOVE
C&G

+42.77
16.62'RT

REMOVE INLET

REMOVE
C&G

+05.11
27.14'RT

+20.67
27.17'RT

REMOVE
SW

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 86	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022401-RM.DWG
LAYOUT NAME - 022403-RM

PLOT DATE : 10/11/2018 6:18 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

TREES (2) TO REMAIN
38-INCH Ø
4-INCH Ø
+23.26
-40.27'LT

CLEAR & GRUB

TREE TO REMAIN
+64.35
-32.12'LT

DO NOT TRESPASS OR DISTURB PRIVATE PROPERTY.
CONSTRUCTION VEHICLES AND PERSONNEL TO COMPLETE
WORK WITHIN EXISTING R/W.

SLOPE INTERCEPT (TYP)

REMOVE LANDSCAPE
STONE (2)

REMOVE STORM
SEWER INLET
SEAL STORM SEWER PIPE

DO NOT DISTURB
STONE PILE WALL

BEGIN FENCE
REMOVAL
+11.44
-37.23'LT

+54.18
-28.42'LT

REMOVE
SW

EXIST R/W

+85.96
-28.08'LT

+35.05
-28.09'LT

REMOVE
SW

TLE

REMOVE
C&G

+35.00
-20.00'LT

REMOVE
C&G

+22.95
-32.98'LT

TLE

+75.69
-28.32'LT

TLE

+63.96
-34.00'LT

REMOVE SS
12-INCH

TLE

+38.05
-13.00'LT

+82.00
-13.00'LT

REMOVE SS
12-INCH

+14.90
0.00'LT

+25.14
0.00'

REMOVE MH

+38.05
-6.06'LT

+02.00
-13.00'LT

REMOVE MH

REMOVE
INLET

+51.94
-13.00'LT

134+00

135+00

STH 42

136+00

137+00

138+00

139+00

+82.00
0.00'LT

+50.16
0.00'LT

+63.94
0.00'LT

REMOVE
C&G

REMOVE SS
12-INCH

+60.00
17.00'RT

REMOVE
C&G

+17.56
16.69'RT

+27.62
16.23'RT

+42.98
0.00'

+98.12
13.00'RT

+83.30
5.83'RT

+83.30
13.00'RT

+02.00
0.00'LT

REMOVE LANDSCAPE STONE (1)

REMOVE PREVIOUSLY
ABANDONED SS PIPE

REMOVE SS
12-INCH

REMOVE INLET

+50.16
28.36'RT

+63.94
28.41'RT

EXIST R/W

REMOVE
SW

REMOVE
SW

TLE

SLOPE INTERCEPT (TYP)

CLEAR & GRUB

+41.65
38.03'RT

+62.45
38.05'RT

+62.46
33.05'RT

+88.21
32.02'RT

DO NOT DISTURB
RETAINING WALL

TLE

REMOVE ADVANCED FLASHER
ASSEMBLIES TYPE 1

+82.28
37.22'RT

REMOVE LANDSCAPE STONE (1)

TREE TO REMAIN
8-INCH Ø
+11.10
35.85'RT

TREE TO REMAIN
6-INCH Ø
+27.83
42.63'RT

DO NOT DISTURB SIGN
MINIMIZE DISTURBANCE
TO SIGN LANDSCAPING

TREE TO REMAIN
14-INCH Ø
+43.28
34.89'RT

TREE TO REMAIN
10-INCH Ø
+43.66
43.49'RT

TREE TO REMAIN
14-INCH Ø
+28.63
32.14'RT

TRELLIS

LEGEND

- CLEARING & GRUBBING
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING TREE
- SAWING ASPHALT/CONCRETE
- ROADWAY REMOVAL AREAS

N

TLE

PRW

140+00

+40.00
-16.08'LT

+40.00
0.00'LT

+52.00
-16.50'LT

+52.00
0.00'LT

CLEAR AND
GRUB

END FENCE
REMOVAL
+89.37
-46.99'LT

REMOVE
ASPHALTIC
SURFACE

REMOVE LANDSCAPE STONE (2)

+16.25
-50.18'LT

+39.92
-46.00'LT

PLE

141+00

EXIST R/W

STH 42

+40.77
-20.22'LT

+48.22
-19.87'LT

+78.80
-19.75'LT

+97.69
-19.69'LT

+50.30
-21.71'LT

+86.65
-23.43'LT

+10.77
17.00'LT

+23.38
-23.12'LT

+22.83
-1.13'LT

+09.65
-19.51'LT

142+00

+34.16
-20.36'LT

+41.87
-12.92'LT

+18.28
0.00'LT

+35.64
-12.02'LT

SLOPE INTERCEPT (TYP)

+09.35
-21.53'LT

+08.86
-1.22'LT

+66.28
-0.56'LT

+86.68
-17.00'LT

+11.16
-1.06'LT

143+00

144+00

+67.26
12.00'RT

+97.69
-1.39'LT

REMOVE LIMBS LOCATED WITHIN
SLOPE INTERCEPT UP TO 3-FT FROM EXISTING GROUND

+71.91
12.00'RT

'F'+18.01
39.23'RT

REMOVE C&G

'F'+06.11
61.22'RT

'F'+37.08
23.68'RT

'F'+22.20
40.29'LT

SLOPE INTERCEPT (TYP)

REMOVE C&G

'F'+63.61
17.45'LT

REMOVE BASE
SALVG. LIGHT POLE

+25.55
48.00'RT

+47.02
50.92'RT

'F'+60.22
18.02'RT

'F'+65.00
17.05'RT

'F'+76.17
16.40'LT

146+00

+50.00
49.35'LT

+74.99
13.58'RT

+04.45
51.54'LT

+22.76
23.50'LT

+50.01
14.78'RT

+23.19
6.22'LT

+29.71
6.49'RT

145+00

+25.04
16.79'RT

+68.50
22.48'LT

+00.00
19.44'RT

+78.70
11.99'RT

+78.49
23.47'RT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 87	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022401-RM.DWG
LAYOUT NAME - 022404-RM

PLOT DATE : 10/11/2018 6:20 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

REMOVE ASPH. SURFACE
SIGN TO REMAIN
MINIMIZE IMPACTS TO LANDSCAPING
DOOR COUNTY AUDITORIUM SIGN TO BE REMOVED BY OTHERS
REMOVE LANDSCAPE STONE
REMOVE LANDSCAPE STONE (2)
REMOVE CURB
LIGHT POLE TO REMAIN
REMOVE SW
TLE
EXIST R/W
STH 42
CLEAR AND GRUB
SLOPE INTERCEPT (TYP)
REMOVE TEMPORARY ASPHALT AND RESTORE TO EXISTING CONDITIONS WHEN DETOUR REMOVED
GIBRALTAR RD TEMP CONNECTION
SIGN TO REMAIN
REMOVE BASE SALVG. LIGHT POLE
REMOVE LANDSCAPE STONE (2)
CONSERVATION EASEMENT 147+18-150+82 RT
DO NOT CLEAR AND GRUB MORE THAN 3-FT BEYOND SLOPE INTERCEPT

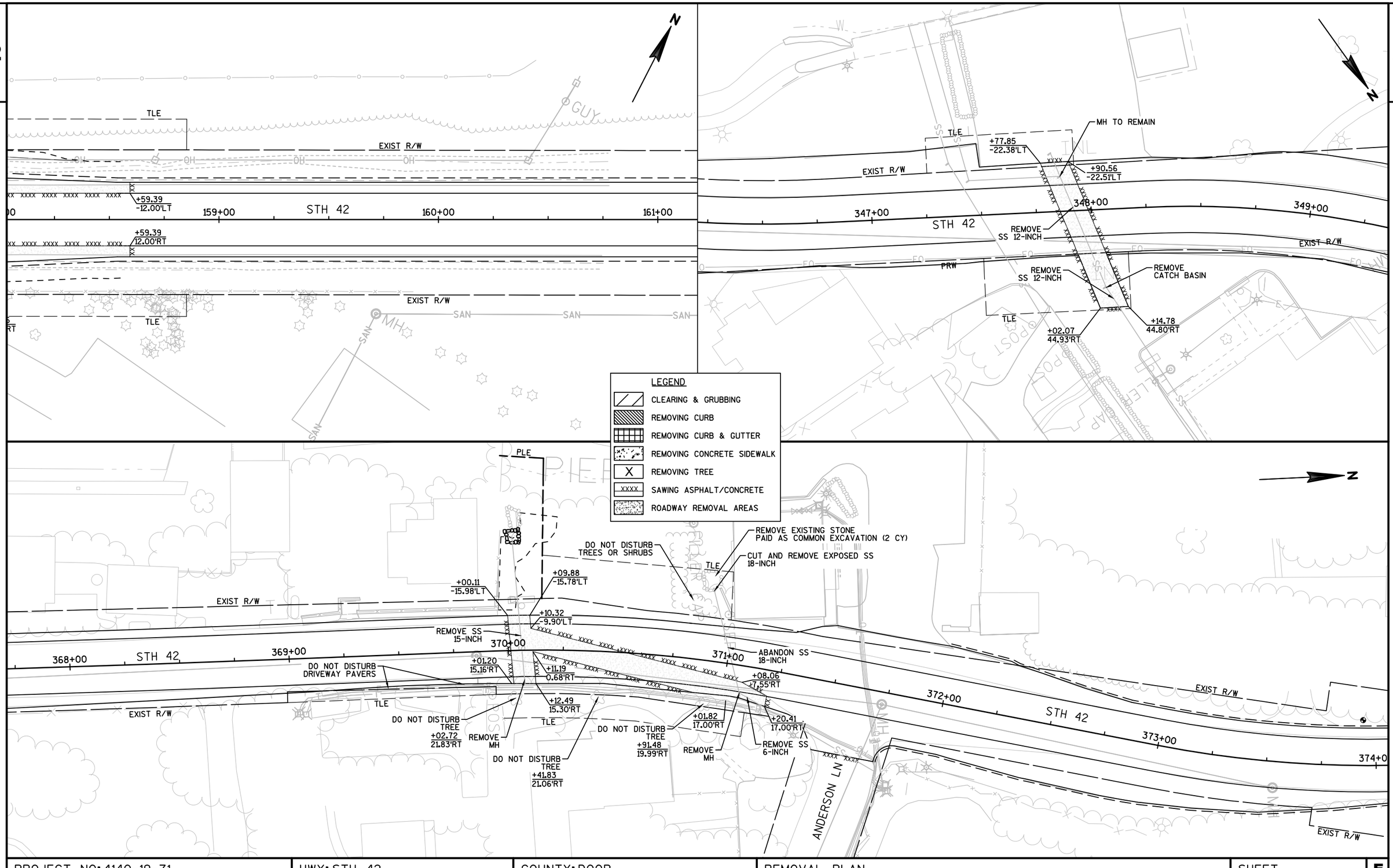
LEGEND
- CLEARING & GRUBBING
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- X REMOVING TREE
- XXXX SAWING ASPHALT/CONCRETE
- ROADWAY REMOVAL AREAS

REMOVE ADVANCED FLASHER ASSEMBLY TYPE 1
DO NOT DISTURB KARST FEATURE
PLE
SLOPE INTERCEPT (TYP)
TLE
EXIST R/W
SHRUBS TO REMAIN
REMOVE ADVANCED FLASHER ASSEMBLY TYPE 2
REMOVE CONCRETE BASE
STH 42
REMOVE C&G
REMOVE CMP & AEW's 21x15-INCH ARCH
GIBRALTAR RD
REMOVE FENCE
BEGIN FENCE REMOVAL
END FENCE REMOVAL
CLEAR AND GRUB
REMOVE SMALL PIPE CULVERT
SIGN TO REMAIN

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 88	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022401-RM.DWG
LAYOUT NAME - 022405-RM
PLOT DATE : 10/11/2018 6:22 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

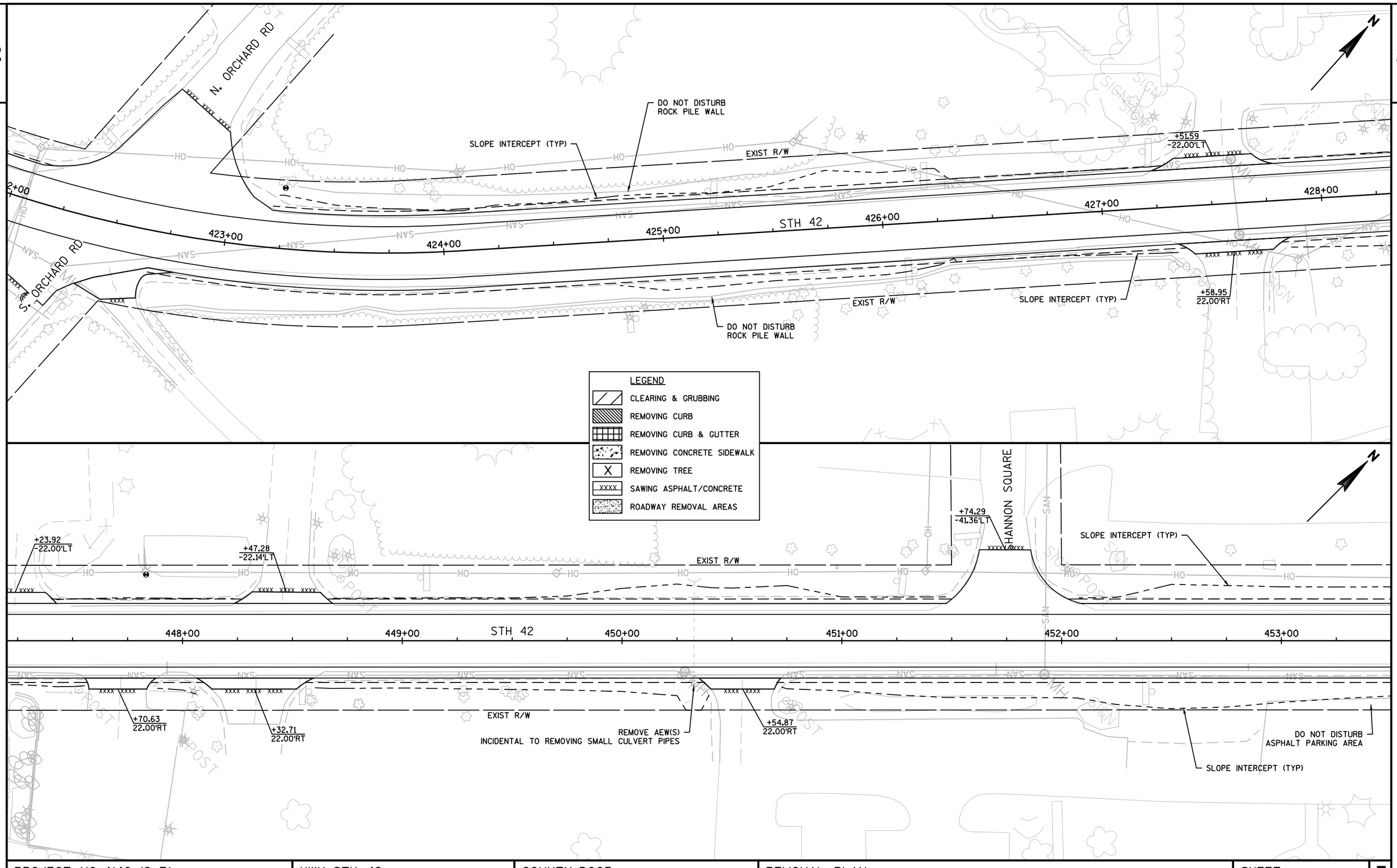
2



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 89	E

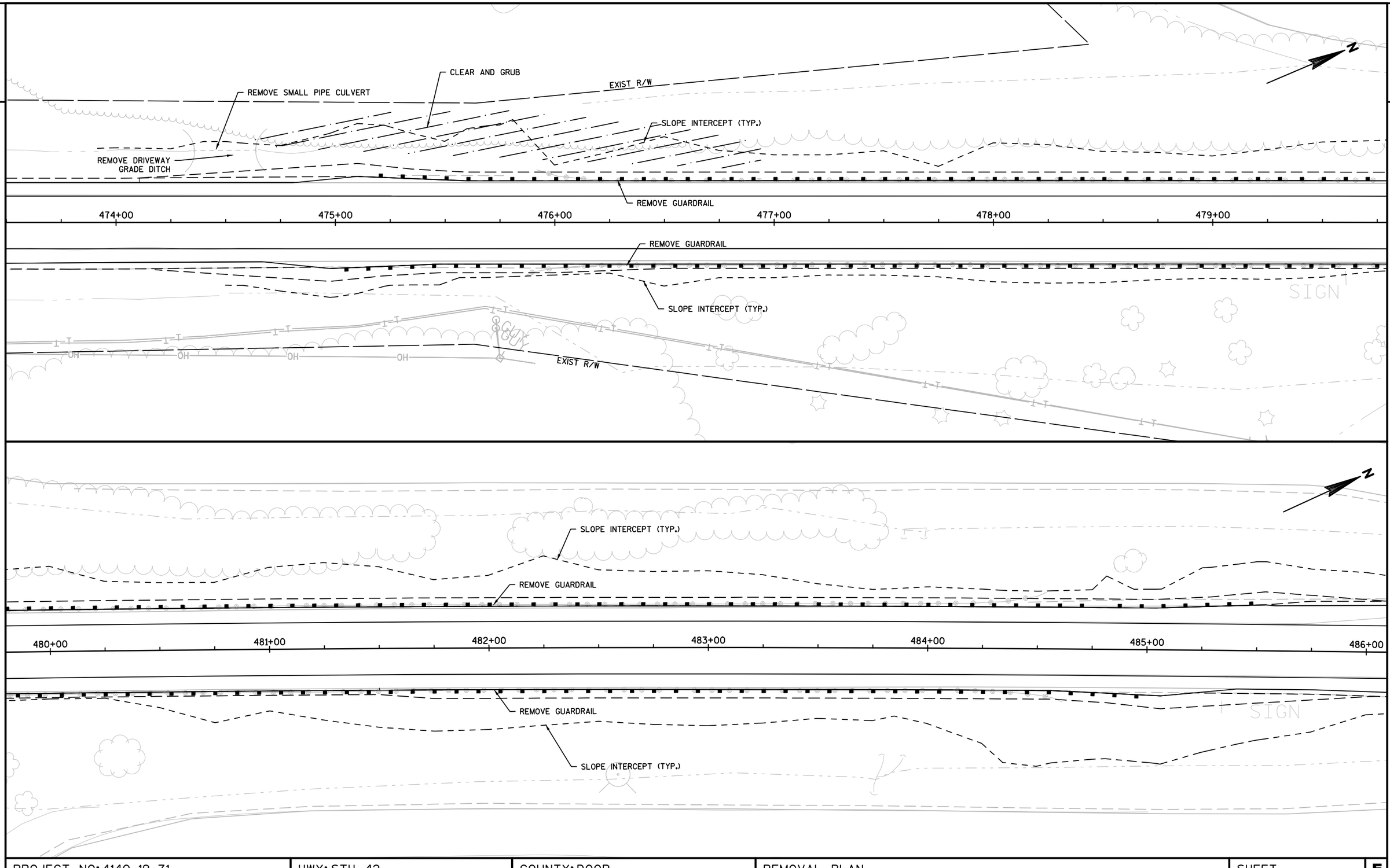
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022401-RM.DWG
LAYOUT NAME - 022406-RM
PLOT DATE : 10/11/2018 6:25 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



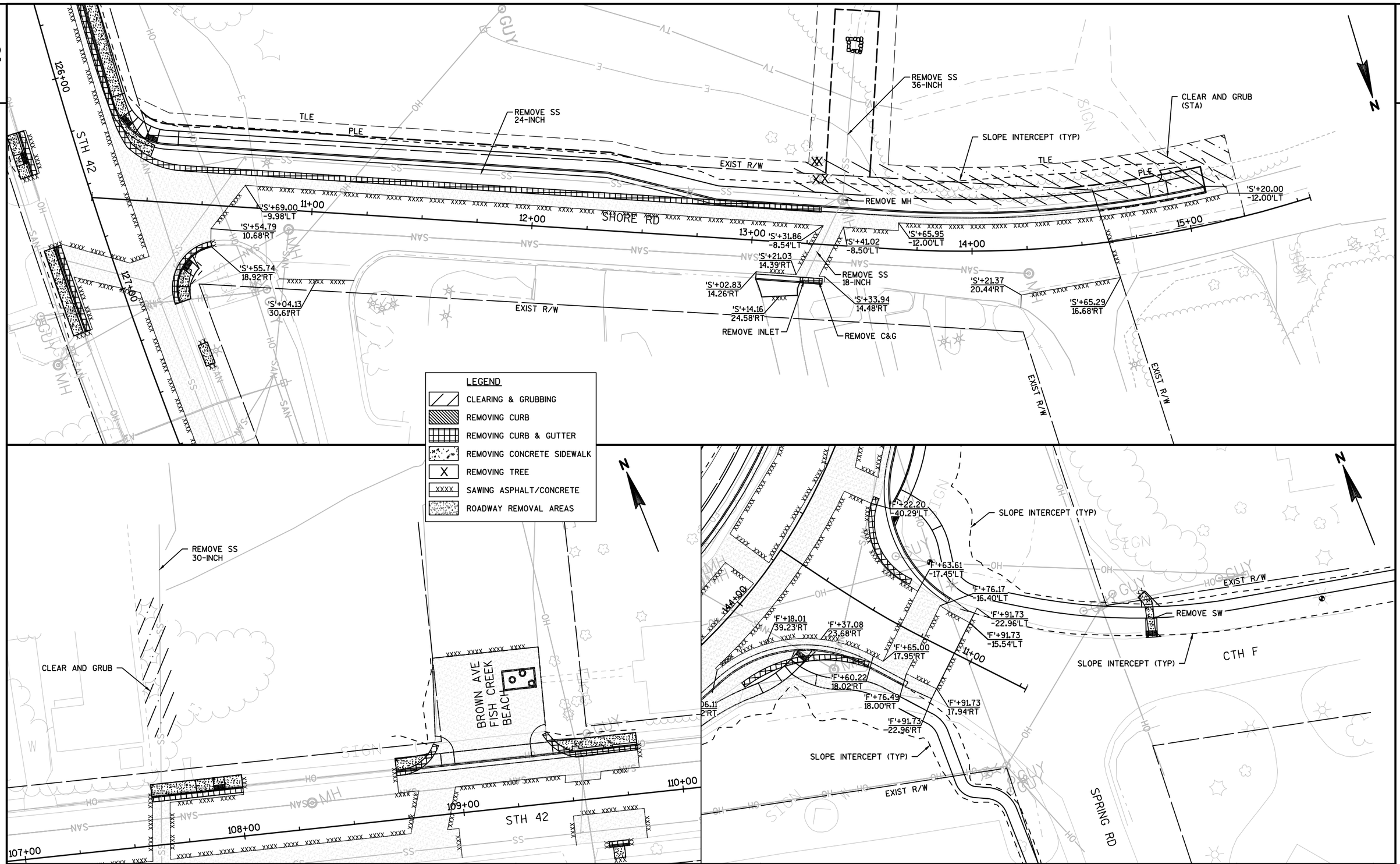
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 90	E

2



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 91	E

2



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 92	E

2

2

N

152+00

STH 42

11+00

GIBRALTAR RD

Y = 265072.546
X = 532267.832
R = 98.7'

Y = 265054.123
X = 532276.545
R = 78.3'

Y = 265035.245
X = 532280.079
R = 41.9'

+65.37
156.45'RT

+79.61
174.33'RT

R7.8'

+90.29
182.02'RT

R62.2'

+89.44
189.59'RT

Y = 264998.359
X = 532342.237
R = 7.8'

R41.9'

R78.3'

+25.70
156.78'RT

+44.54
53.75'RT

+35.41
60.71'RT

OLD GIBRALTAR RD TEMPORARY CONNETION

+28.63
176.91'RT

R98.7'

+46.97
179.61'RT

Y = 264975.030
X = 532293.136
R = 62.2'

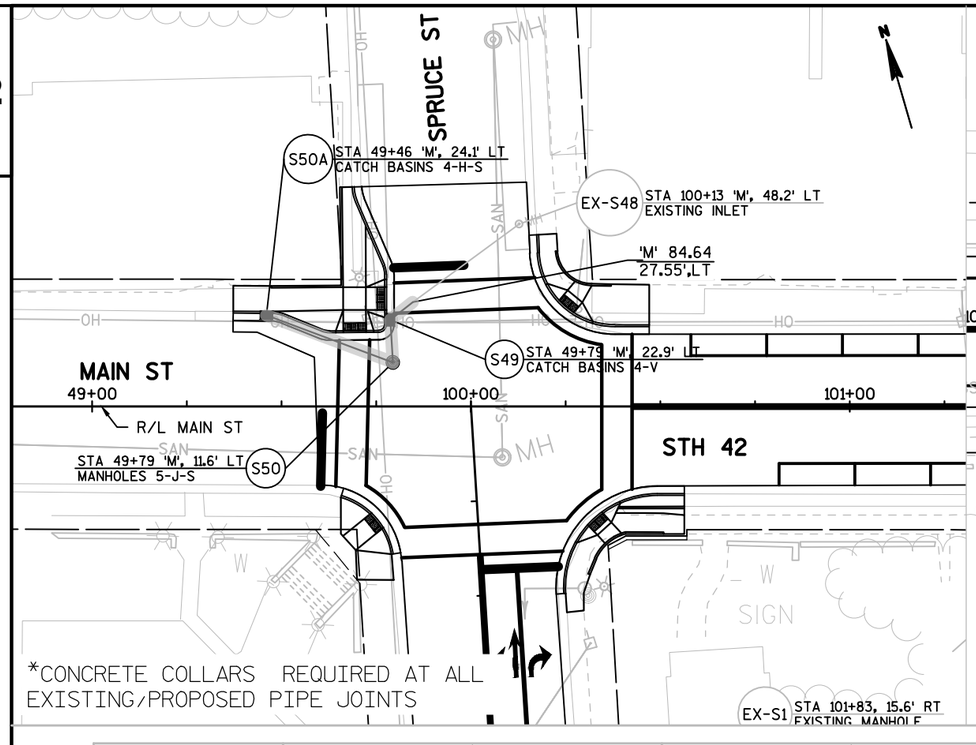
EXISTING RW

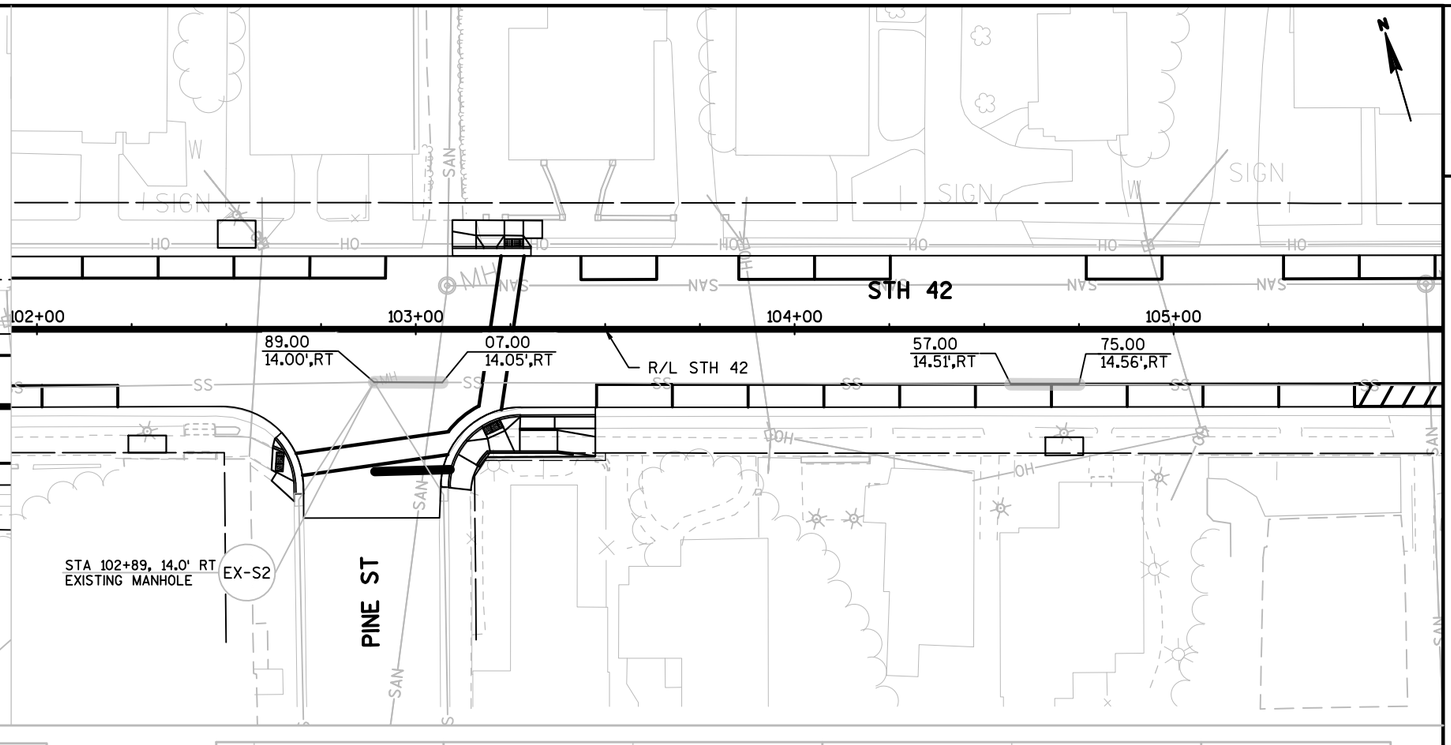
LEGEND

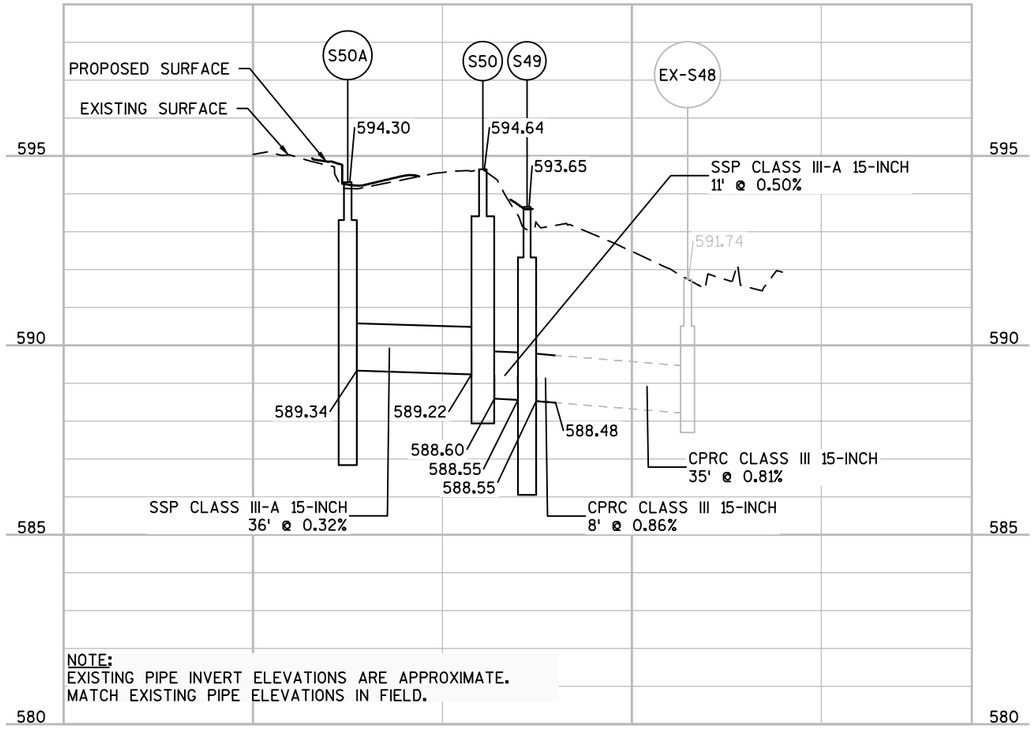
- CLEARING & GRUBBING
- REMOVING CURB
- REMOVING CURB & GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING TREE
- SAWING ASPHALT/CONCRETE
- ROADWAY REMOVAL AREAS

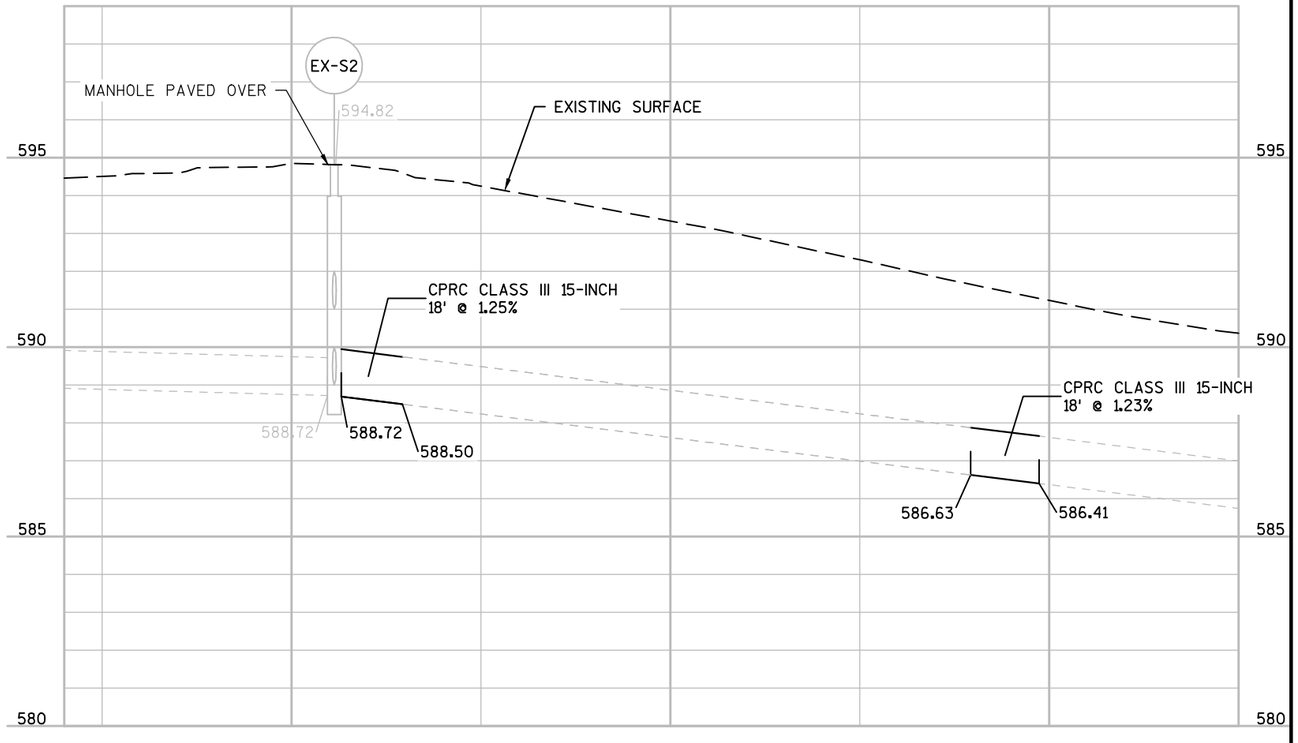
NOTE: STATION OFFSET REFERENCED FROM STH 42 ALIGNMENT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLAN	SHEET 93	E









PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 94	E

STORM WATER TREATMENT DEVICE

STA 109+25.50, 44.0' LT
MANHOLES 5-J-S
S9

S10 STA 109+37, 44.1' LT
MANHOLES 5-J-S

BUILDING
REMOVED BY OTHERS

S11 STA 110+56, 46.4' LT
MANHOLES 7-J

STA 108+96.00, 35.4' LT
MANHOLES 5-J-S
S8

INSULATION BOARD

S6A STA 109+57, 21.4' LT
CATCH BASINS 2x3-H

STA 108+81.00, 15.0' RT
MANHOLES 6-J-S
S5

STH 42

R/L STH 42

107+00 108+00 109+00 110+00 111+00 112+00

55.86
13.52',LT

92.00
15.00',RT

74.82
14.98',RT

73.45
14.82',RT

51.62
14.82',RT

STA 109+52, 14.8' RT
EXISTING MANHOLE
EX-S6

STA 110+80, 14.8' RT
EXISTING MANHOLE
EX-S7

EX-S7A STA 110+96, 21.6' RT
EXISTING INLET

*CONCRETE COLLARS REQUIRED AT ALL
EXISTING/PROPOSED PIPE JOINTS

595
590
585
580

EX-S3
589.34

EXISTING SURFACE

S5
590.46

CPRC CLASS IV 15-INCH
11' @ 1.62%

CPRC CLASS IV 30-INCH
206' @ 0.27%

586.38
586.20

583.88

583.33

EX-S6
591.25

CPRC CLASS IV 15-INCH
22' @ 1.17%

587.15
587.15

587.41

EX-S7
592.64

588.69
588.72

EXISTING SURFACE

S6A
590.08

EX-S6
591.25

CPRC CLASS IV 12-INCH
8' @ 0.55%

587.46
587.50

587.30

NOTE:
EXISTING PIPE INVERT ELEVATIONS ARE APPROXIMATE.
MATCH EXISTING PIPE ELEVATIONS IN FIELD.

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 95	E

STORM WATER TREATMENT DEVICE

STA 109+25.50, 44.0' LT
MANHOLES 5-J-S
S9

BUILDING
REMOVED BY OTHERS

S10 STA 109+37, 44.1' LT
MANHOLES 5-J-S

S11 STA 110+56, 46.4' LT
MANHOLES 7-J

STA 108+96.00, 35.4' LT
MANHOLES 5-J-S
S8

INSULATION BOARD

S6A STA 109+57, 21.4' LT
CATCH BASINS 2x3-H

STA 108+81.00, 15.0' RT
MANHOLES 6-J-S
S5

STH 42

R/L STH 42

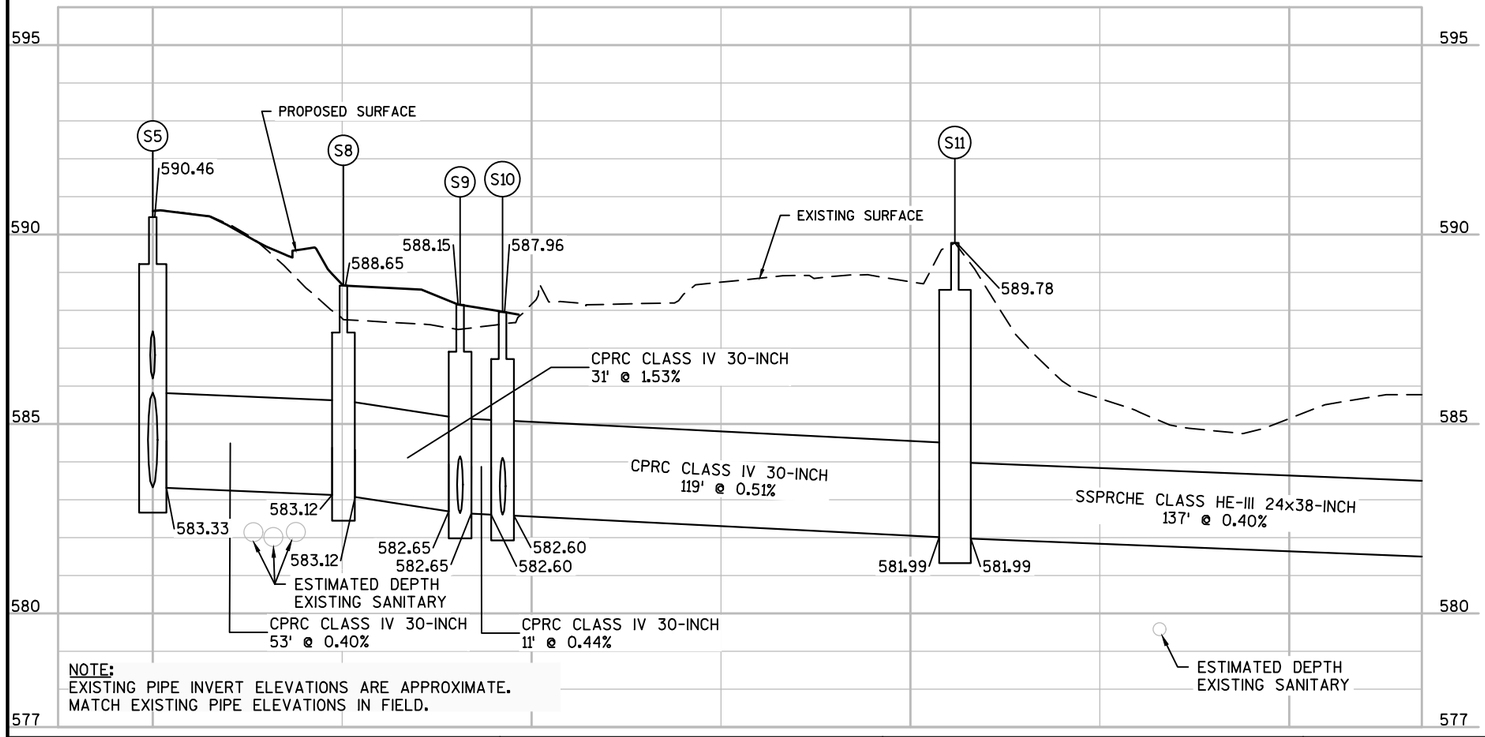
108+00 109+00 110+00 111+00 112+00 113+00

STA 109+52, 14.8' RT
EXISTING MANHOLE
EX-S6

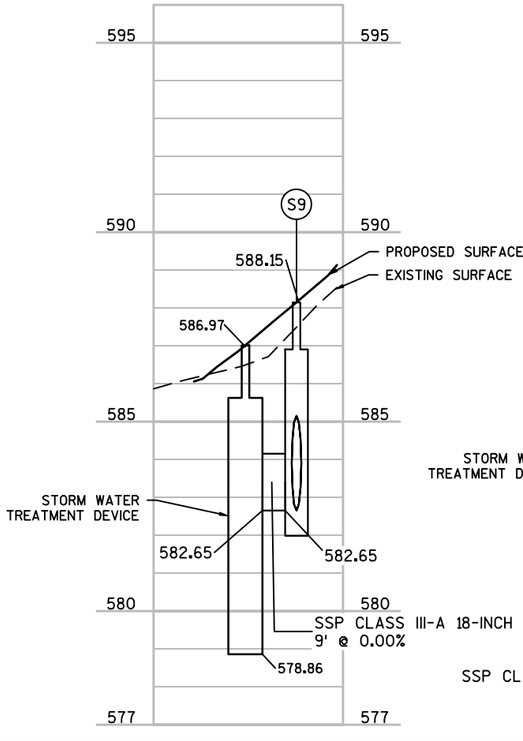
STA 110+80, 14.8' RT
EXISTING MANHOLE
EX-S7

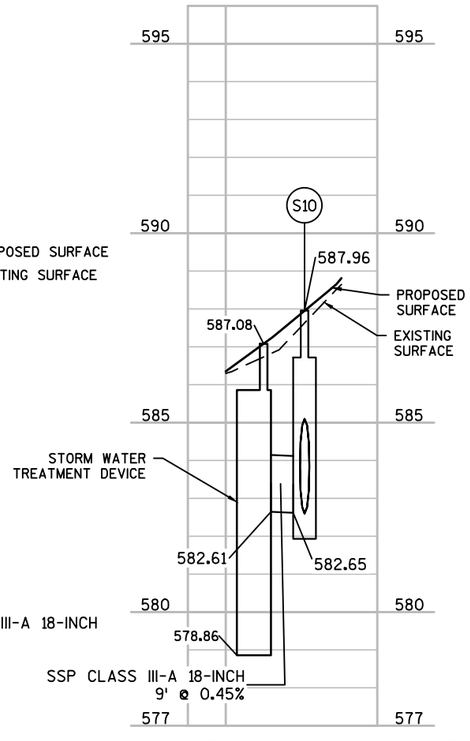
EX-S7A STA 110+96, 21.6' RT
EXISTING INLET

*CONCRETE COLLARS REQUIRED AT ALL
EXISTING/PROPOSED PIPE JOINTS



NOTE:
EXISTING PIPE INVERT ELEVATIONS ARE APPROXIMATE.
MATCH EXISTING PIPE ELEVATIONS IN FIELD.





PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 96	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501C-SS

PLOT DATE : 10/11/2018 7:12 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 41

2

STA 110+08.93, 233.0' LT
APRON ENDWALLS FOR CPRCHE 24x38-INCH (EW13)

EXISTING DOCK
REMOVED BY OTHERS

RIPRAP MEDIUM
TYPE HR FABRIC
6'x6'

(S12) STA 110+44, 183.3' LT
MANHOLES 5-J

(S11) STA 110+56, 46.4' LT
MANHOLES 7-J

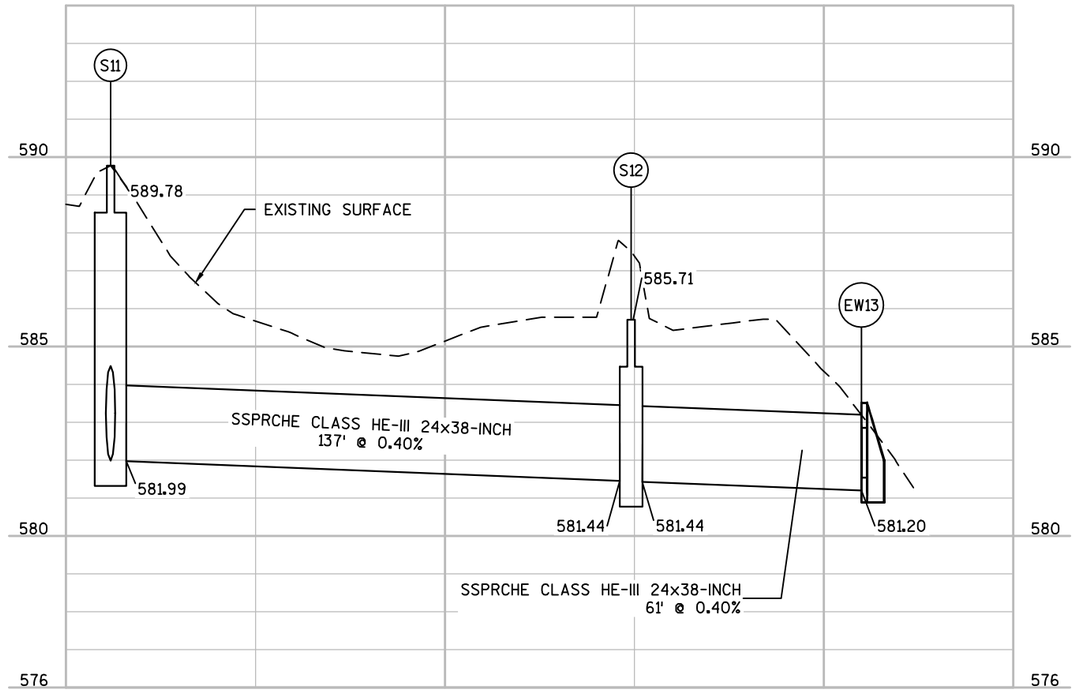
BUILDING
REMOVED BY OTHERS

STH 42 R/L

111+00

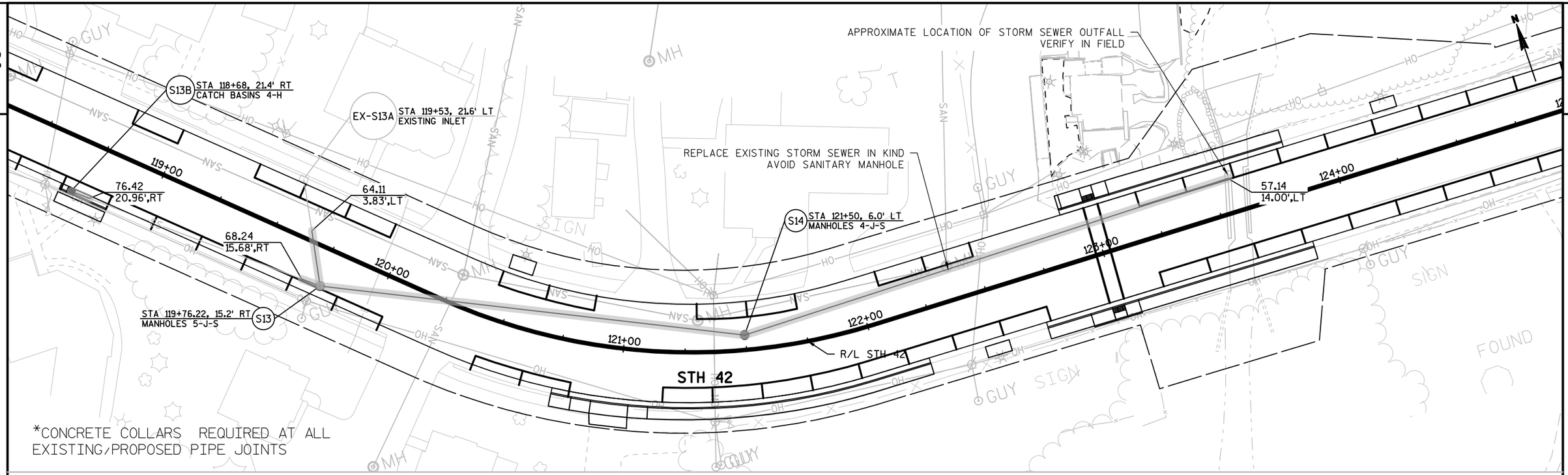
112+00

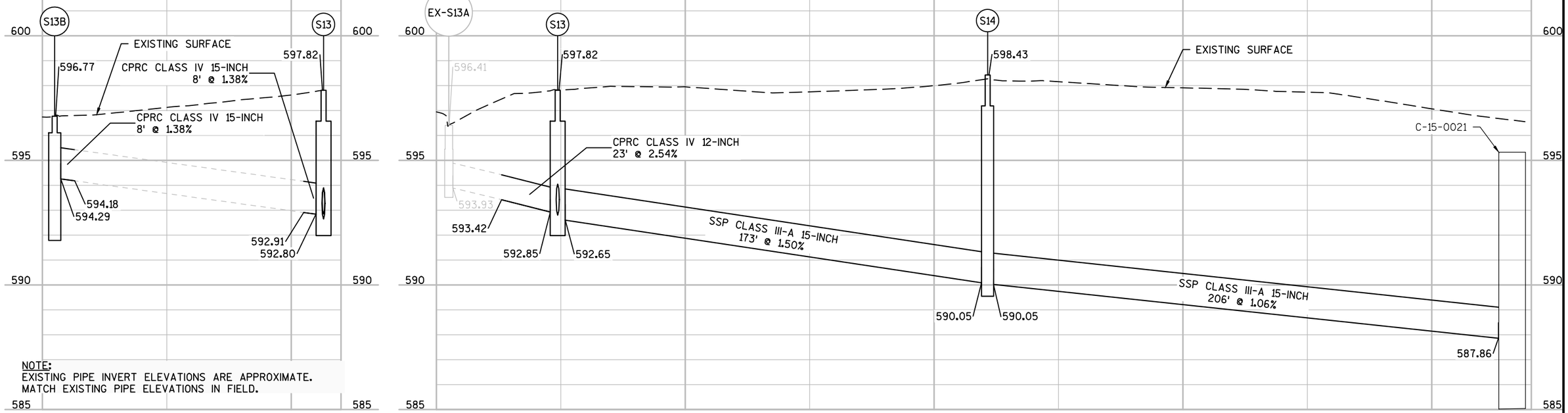
(EX-S7A) STA 110+96, 21.6' RT
EXISTING INLET



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 97	E

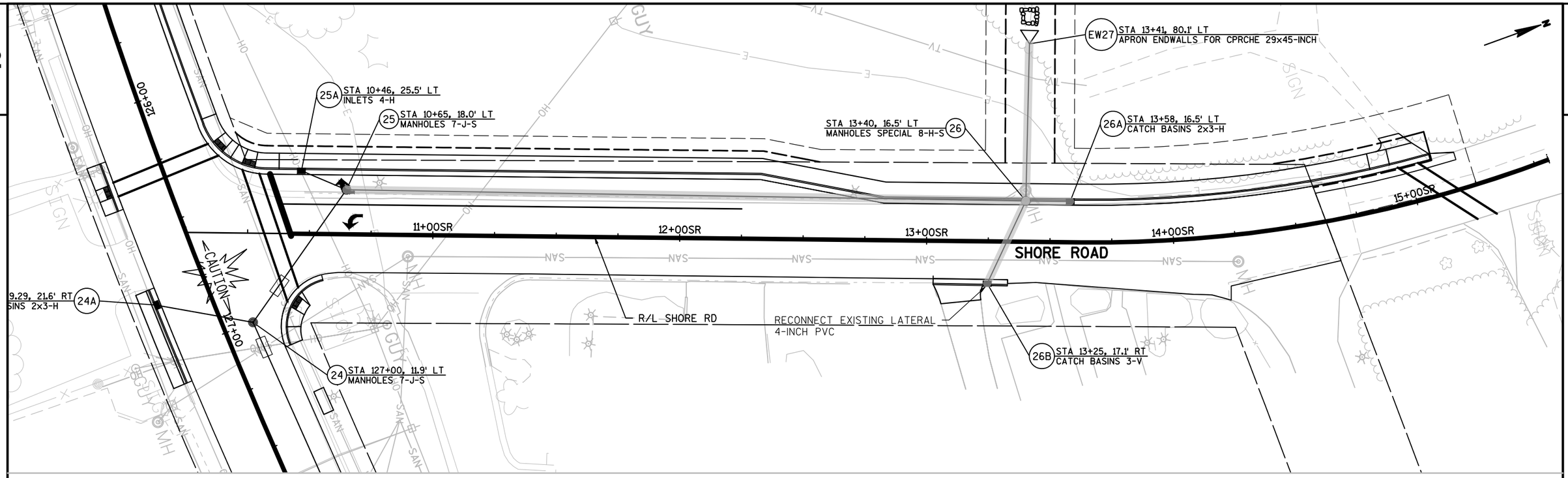
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501D-SS
PLOT DATE : 10/11/2018 7:13 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

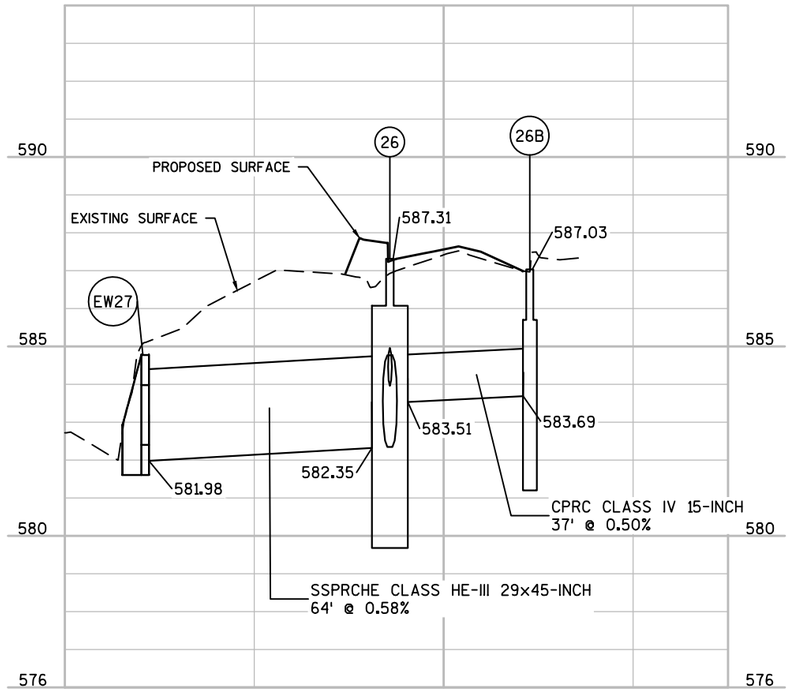


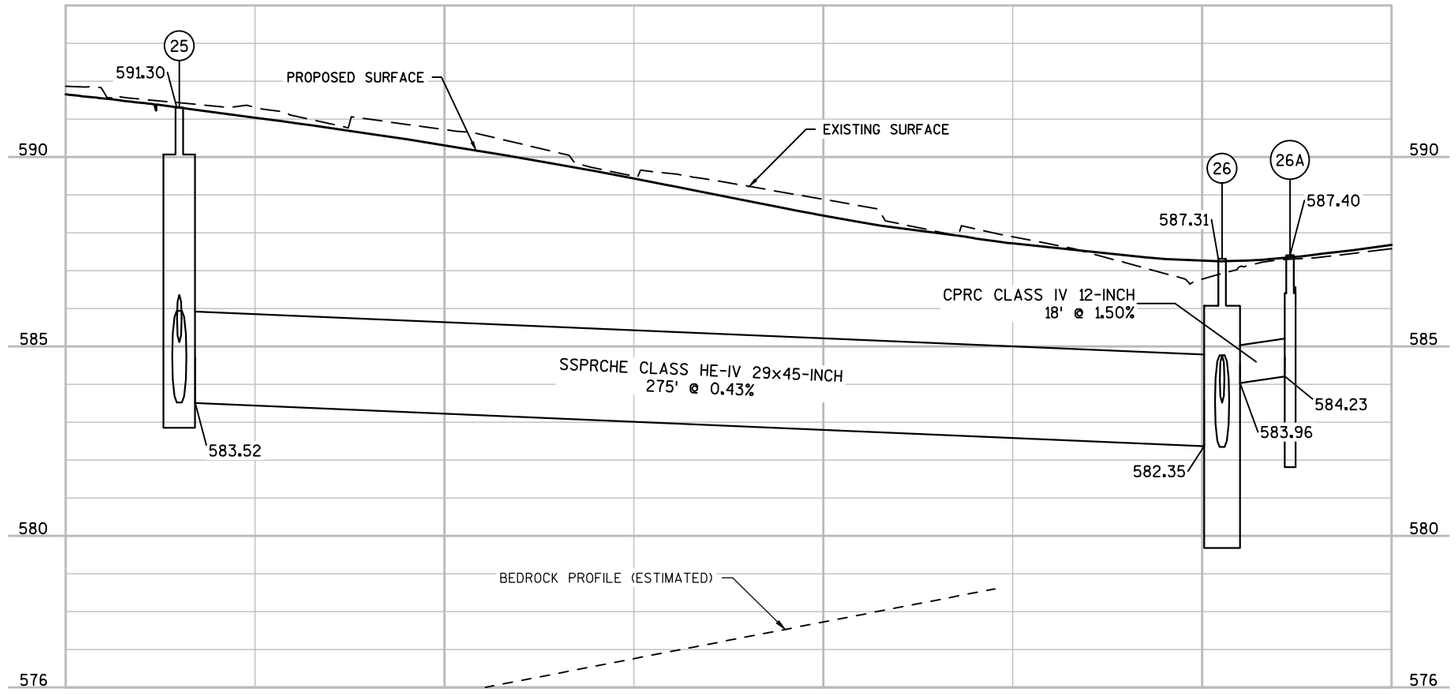


NOTE:
EXISTING PIPE INVERT ELEVATIONS ARE APPROXIMATE.
MATCH EXISTING PIPE ELEVATIONS IN FIELD.

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 98	E







PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 99	E

2

STA 10+64.81, 18.0' LT
MANHOLES 7-J-S (25)

STA 10+46.48, 25.5' LT
INLETS 4-H (25A)

SHORE RD 11+00

R/L SHORE RD

INSULATION BOARD

STA 127+00, 11.9' LT
MANHOLES 7-J-S (24)

CAUTION

INSULATION BOARD

126+00 127+00 128+00 129+00 130+00 131+00

STH 42

STA 129+26.00, 13.0' LT
MANHOLES 7-J-S (23)

R/L STH 42

STA 126+79.29, 21.6' RT
CATCH BASINS 2x3-H (24A)

STA 129+26, 22.0' LT
CATCH BASINS 2x3-H-S (23A)

STA 129+74, 13.0' LT
MANHOLES 7-J-S (22)

STA 131+28.00, 13.0' LT
MANHOLES 6-J-S (21)

INSULATION BOARD

STA 130+12, 21.2' RT
CATCH BASINS 2x3-H-S (22A)

STA 129+73.73, 21.3' RT
CATCH BASINS 6-H (22C)

EW22B STA 129+79, 35.6' RT
APRON ENDWALLS FOR CPRCHE 19x30-INCH

STA 131+35.50, 21.1' RT
CATCH BASINS 2x3-H (21A)

CAUTION

N

595
590
585
580
578

PROPOSED SURFACE
EXISTING SURFACE

25A 25 24 23 22 21

591.39 591.30 591.37 589.72 589.74 590.63

CLASS IV 15-INCH
20' @ 0.50%

SSPRCHE CLASS HE-IV 29x45-INCH
225' @ 0.32%

SSPRCHE CLASS HE-IV 24x38-INCH
154' @ 0.60%

SSPRCHE CLASS HE-IV 29x45-INCH
48' @ 0.60%

SSPRCHE CLASS HE-IV 19x30-INCH
87' @ 0.89%

SSPRCHE CLASS HE-IV 29x45-INCH
66' @ 1.01%

585.21 585.11 583.52 584.18 584.18 584.90 584.90 585.18 585.18 586.11 586.60

ESTIMATED DEPTH
EXISTING SANITARY

BEDROCK PROFILE (ESTIMATED)

ESTIMATED DEPTH
EXISTING SANITARY

ESTIMATED DEPTH
EXISTING SANITARY

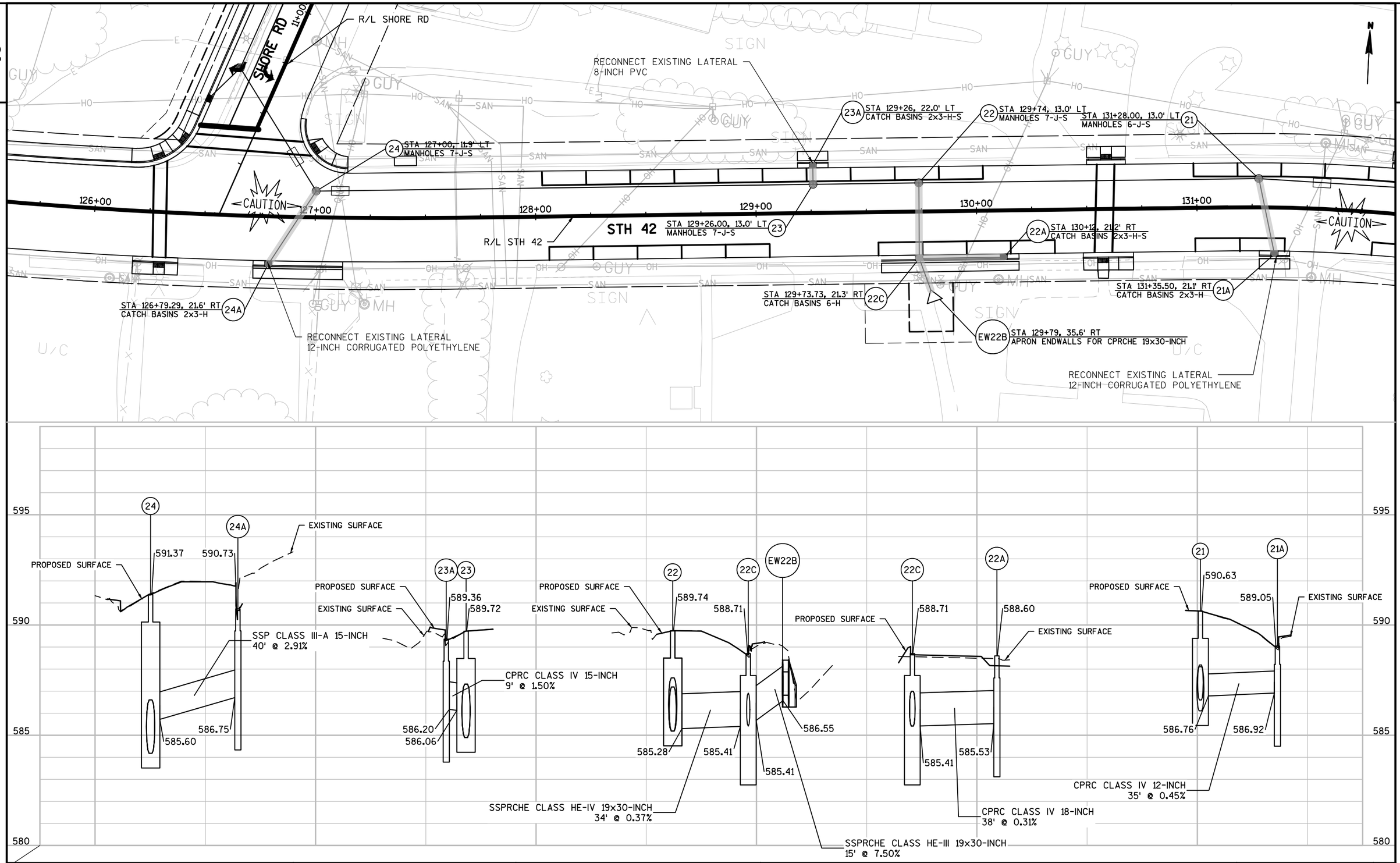
ESTIMATED DEPTH
EXISTING SANITARY

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 100	E

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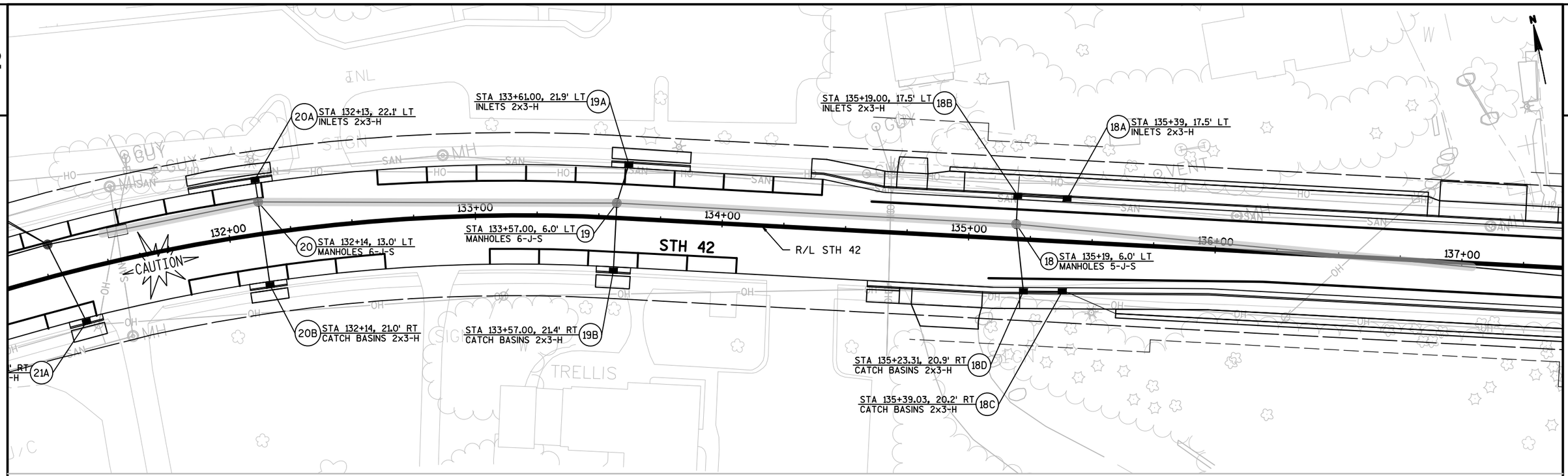
WISDOT/CADDS SHEET 41

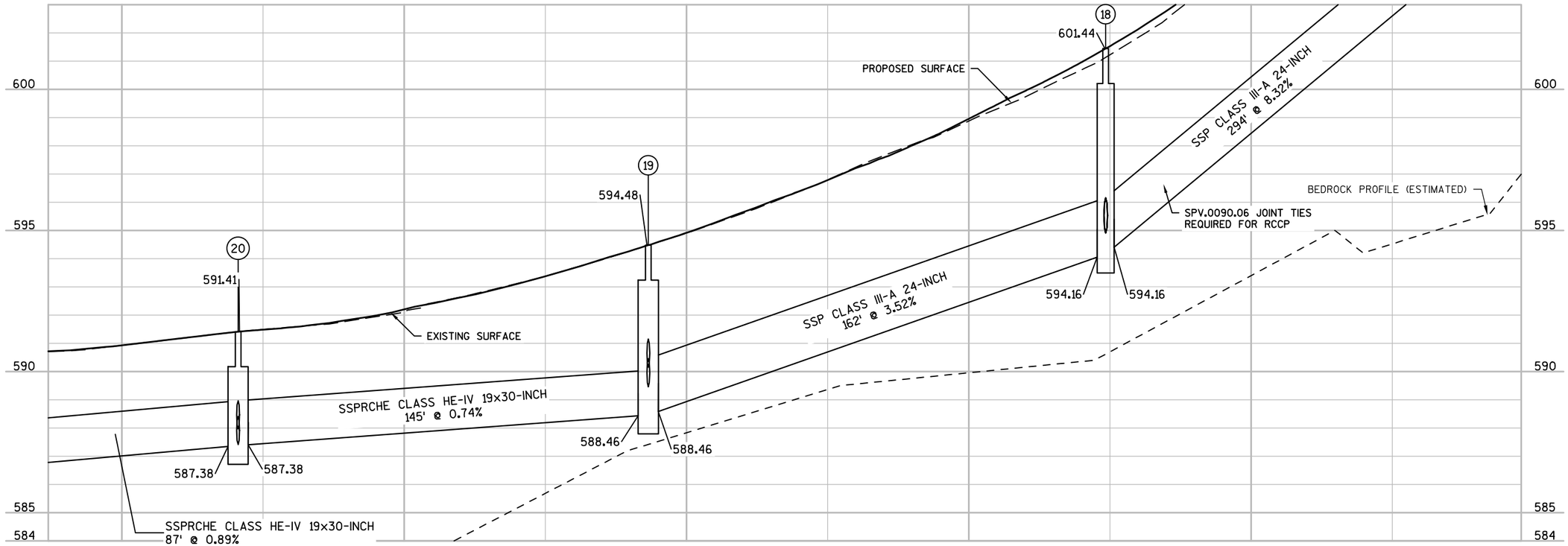


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 101	E

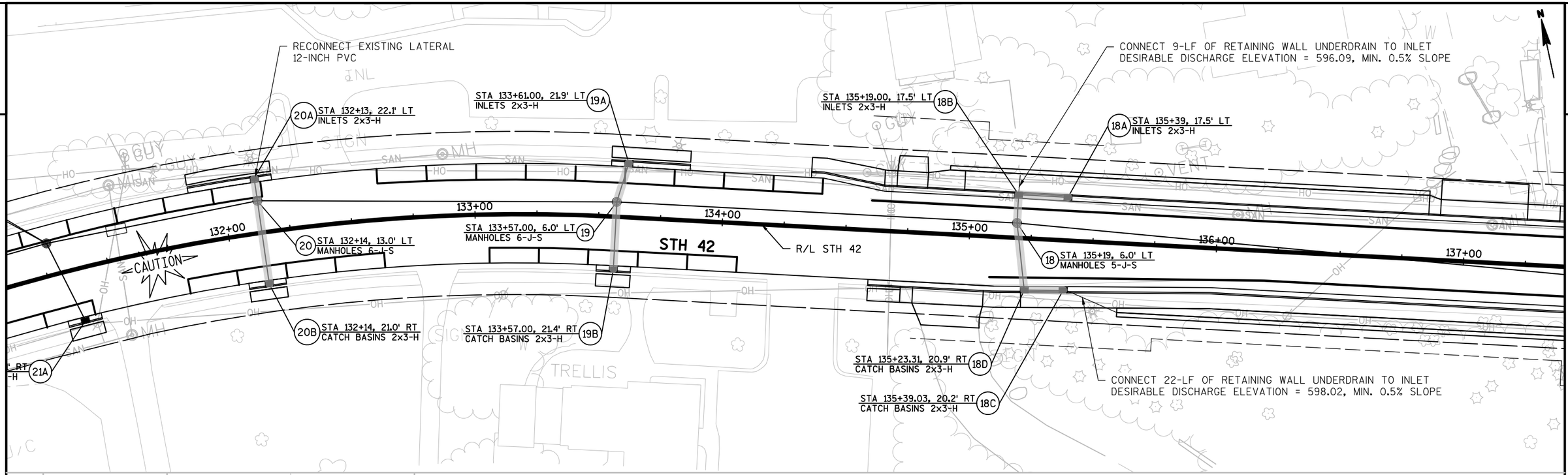
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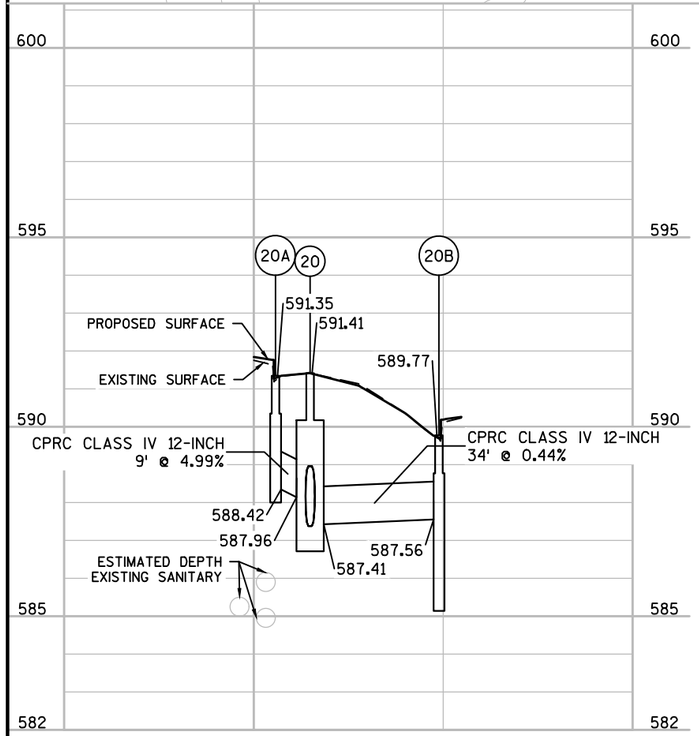
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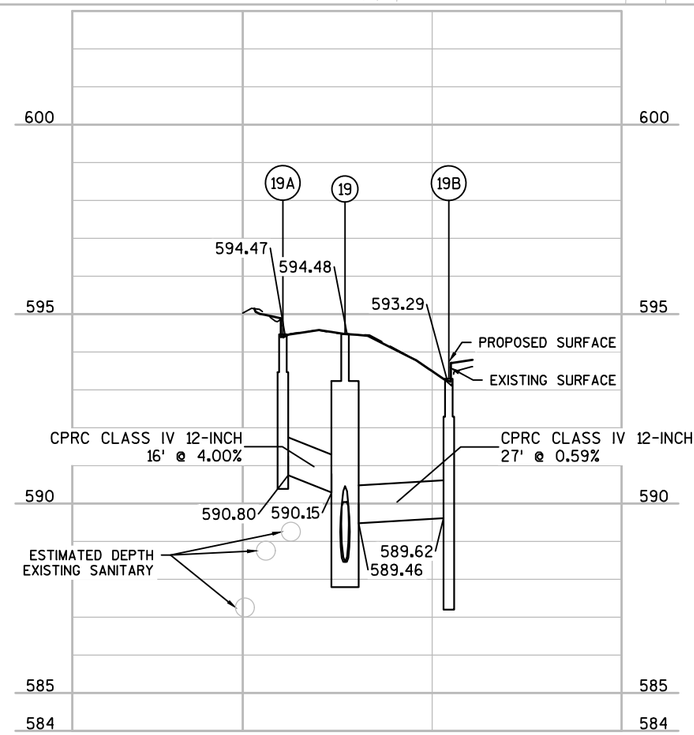


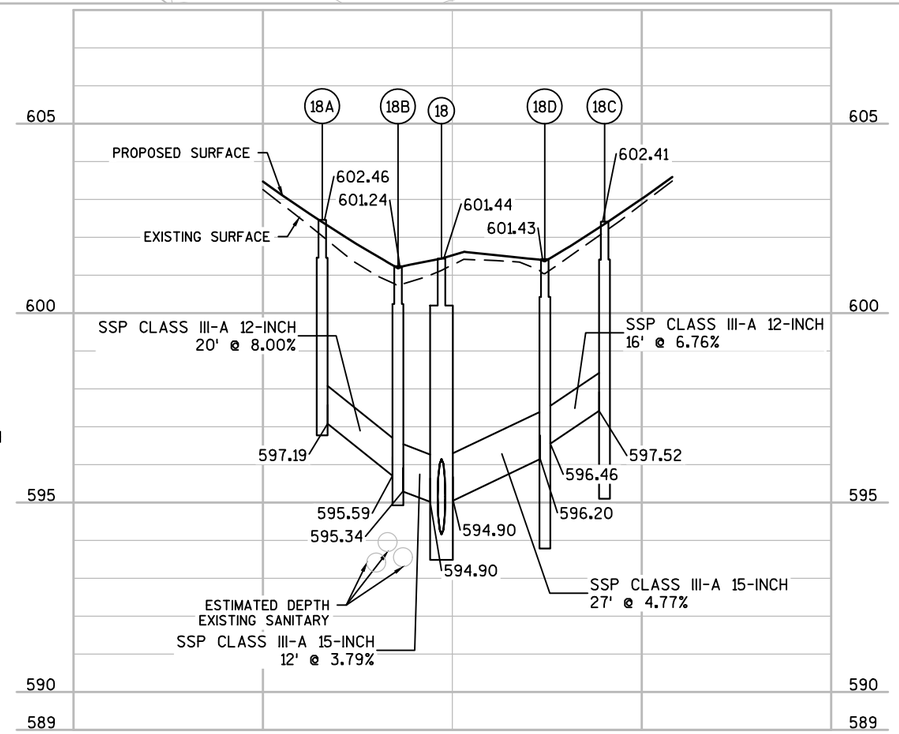


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 102	E

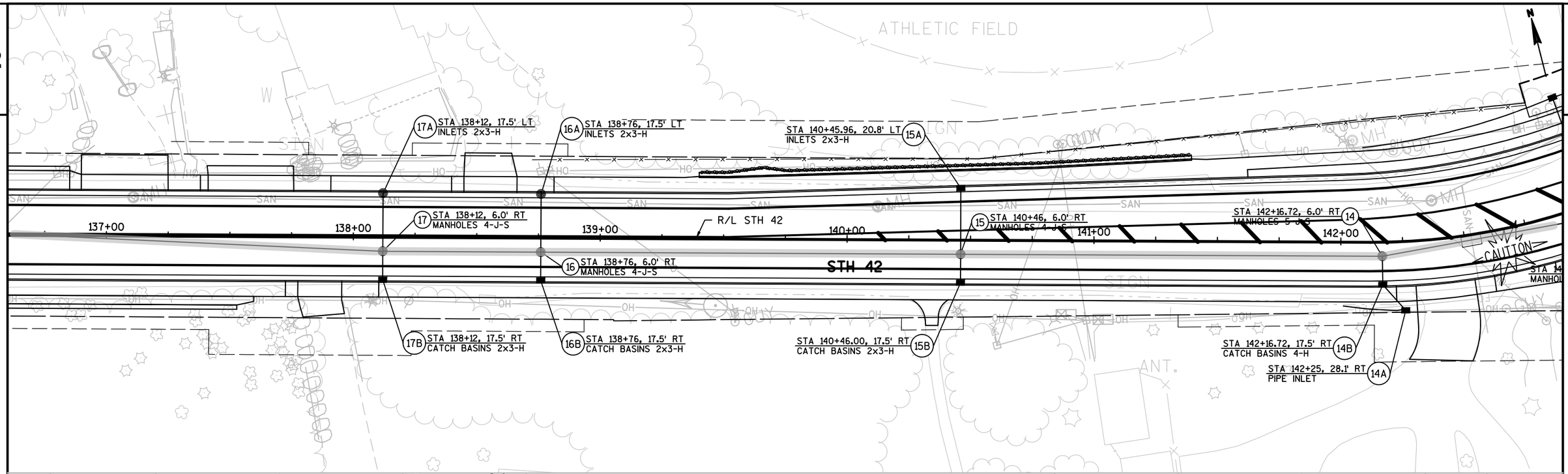


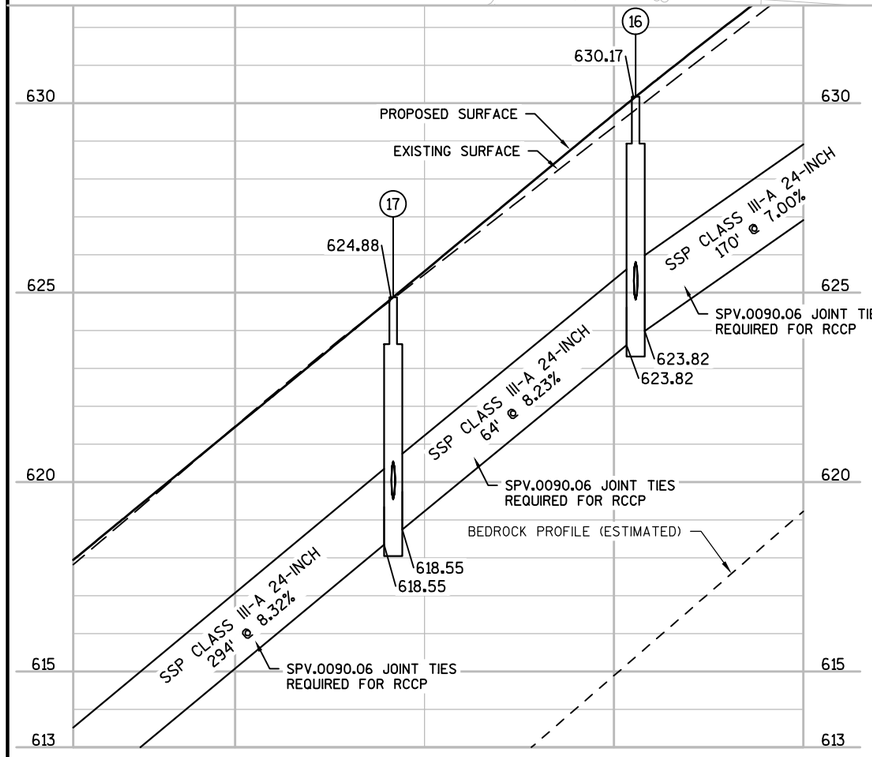


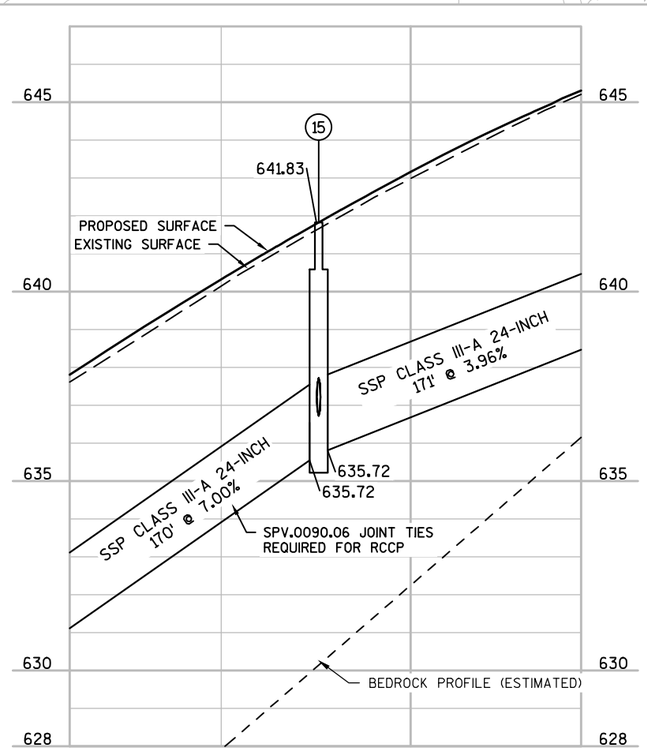


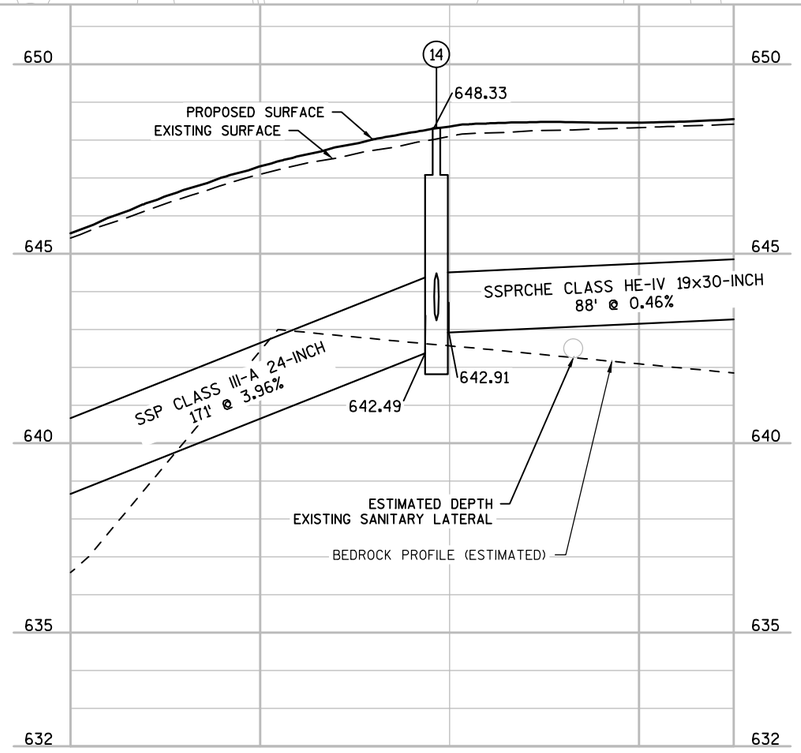


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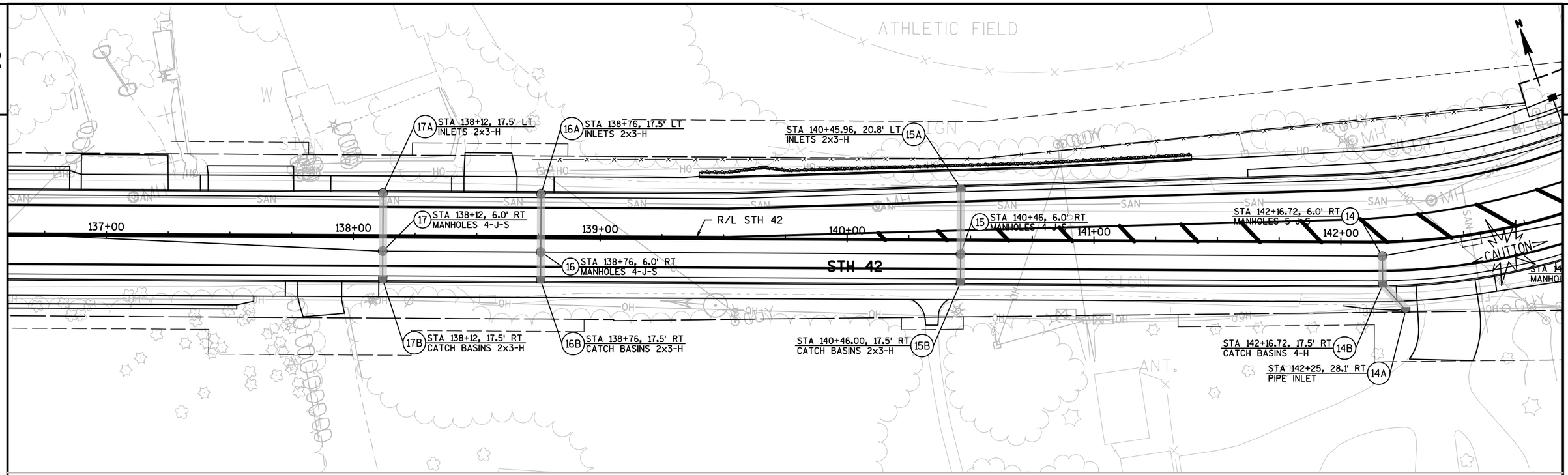


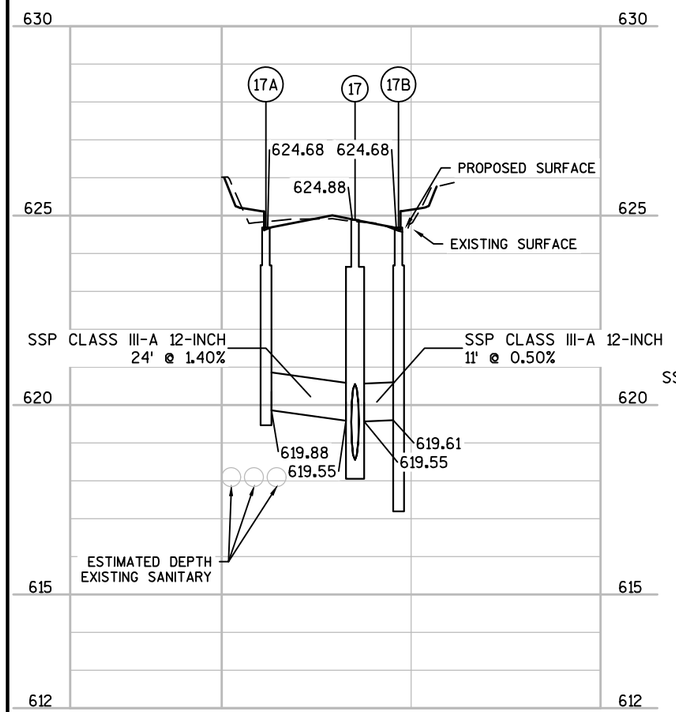


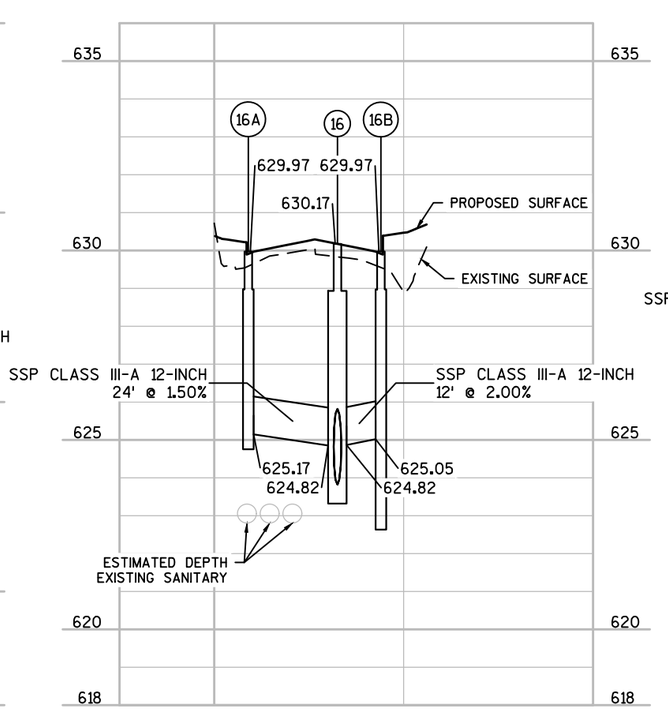


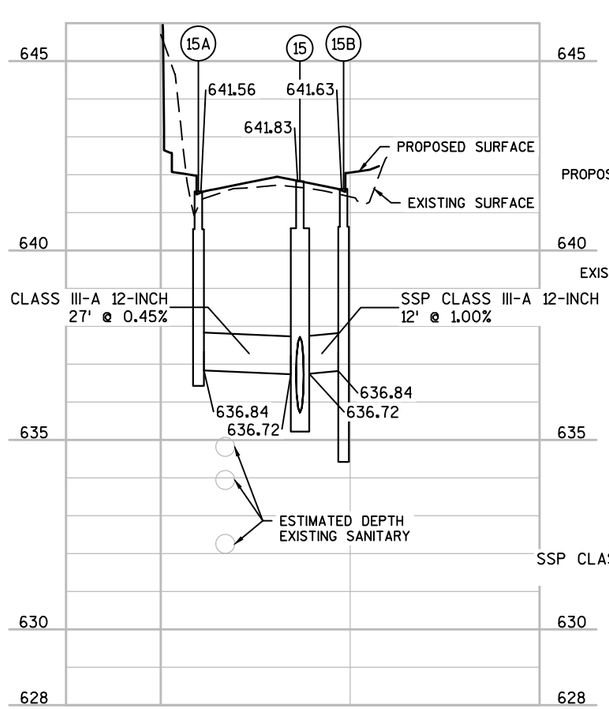


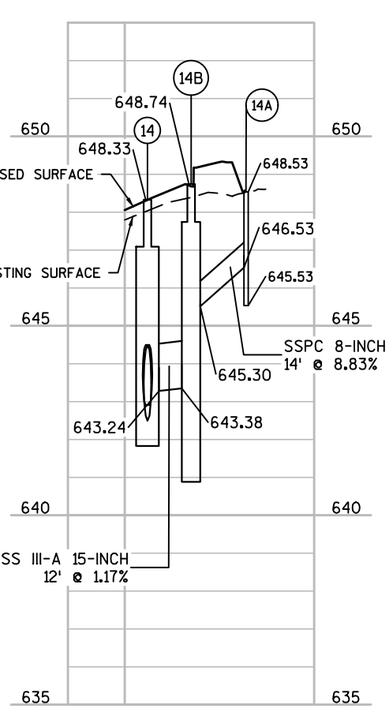
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 104	E



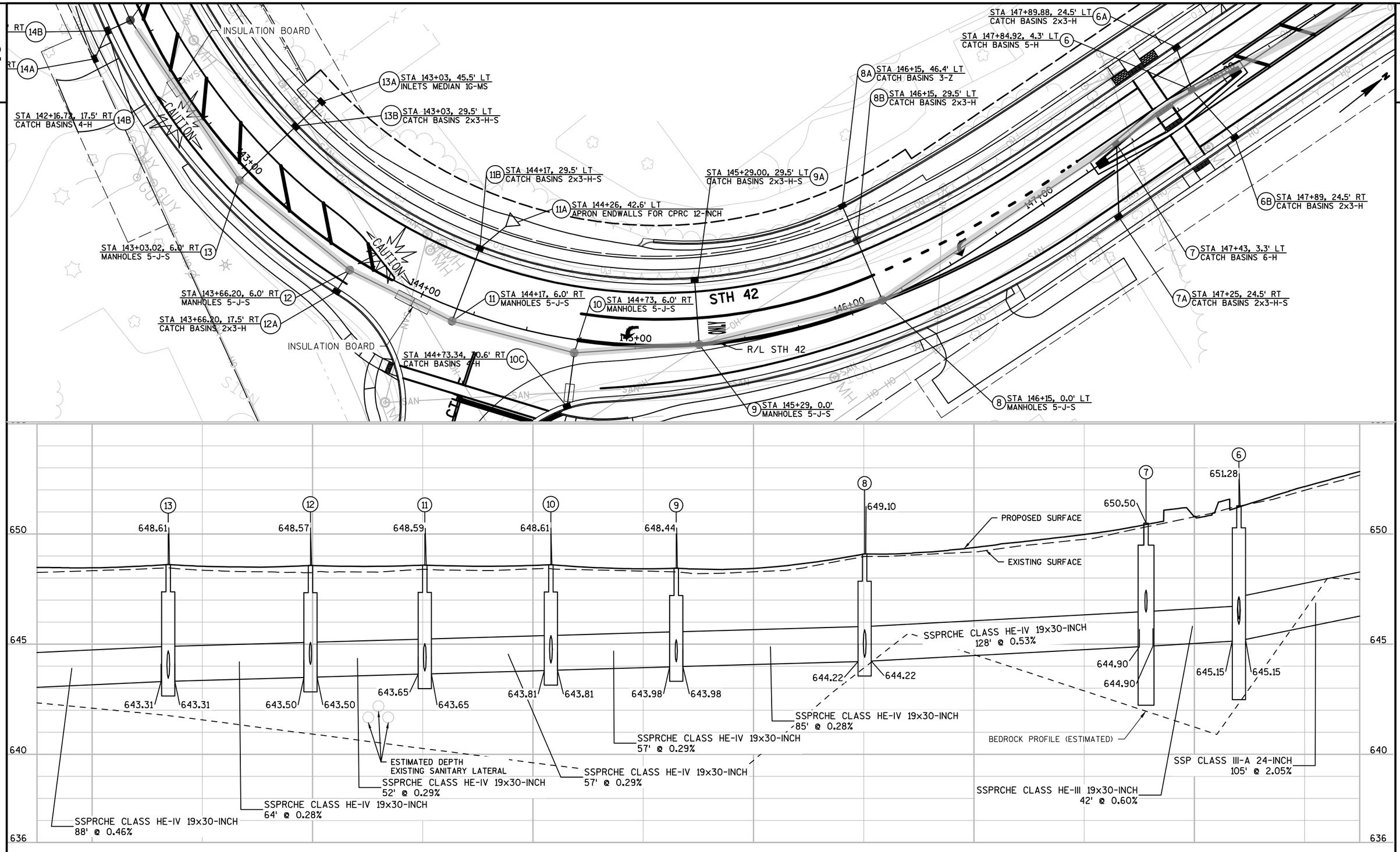




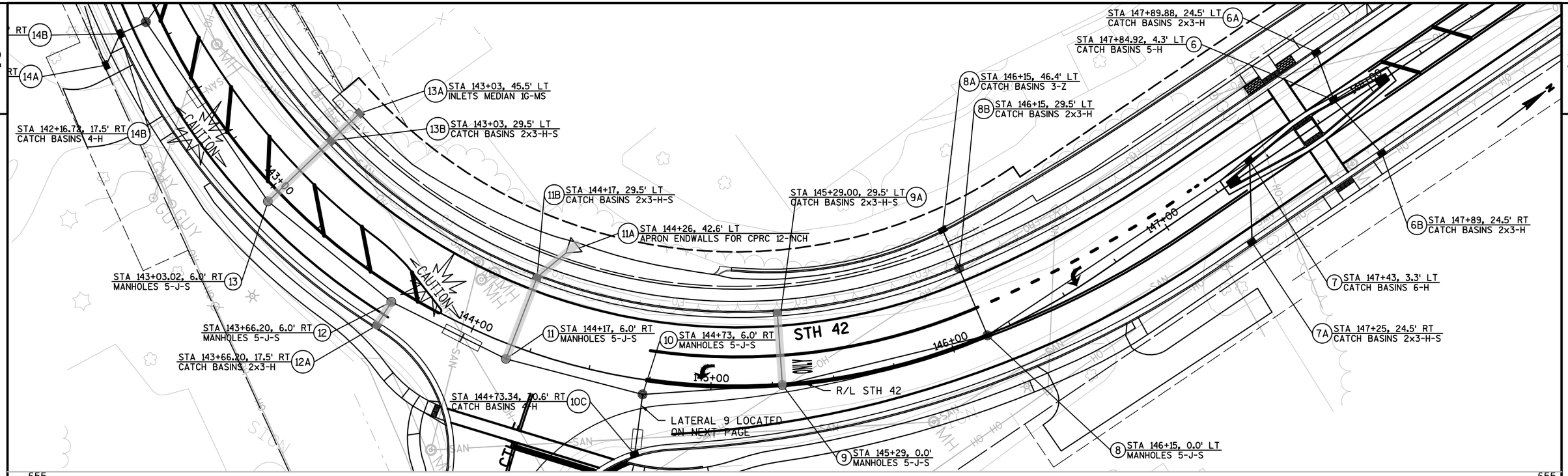


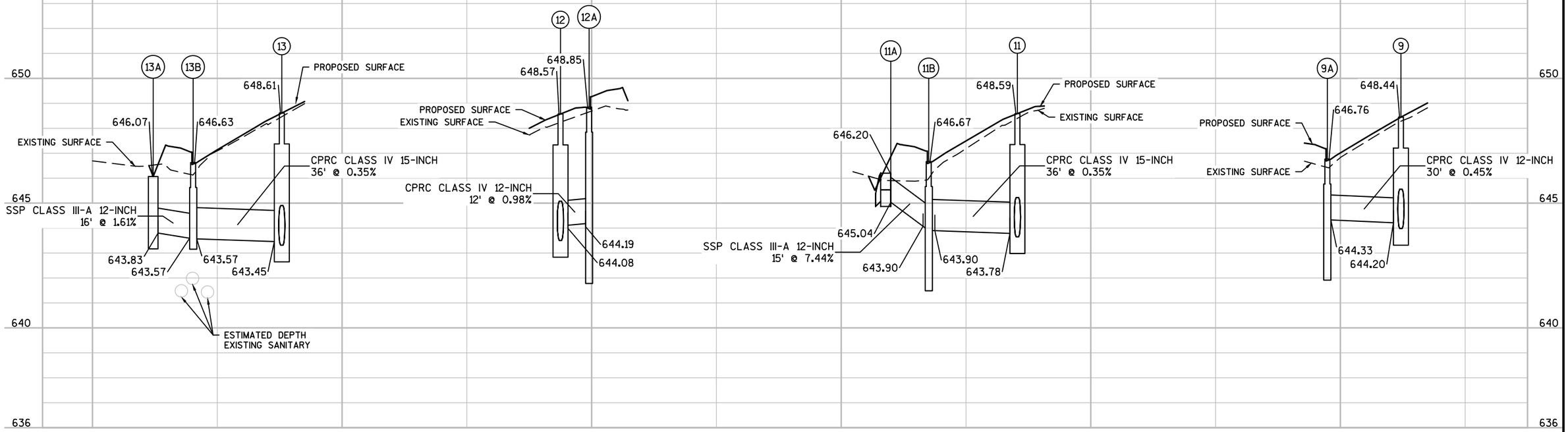


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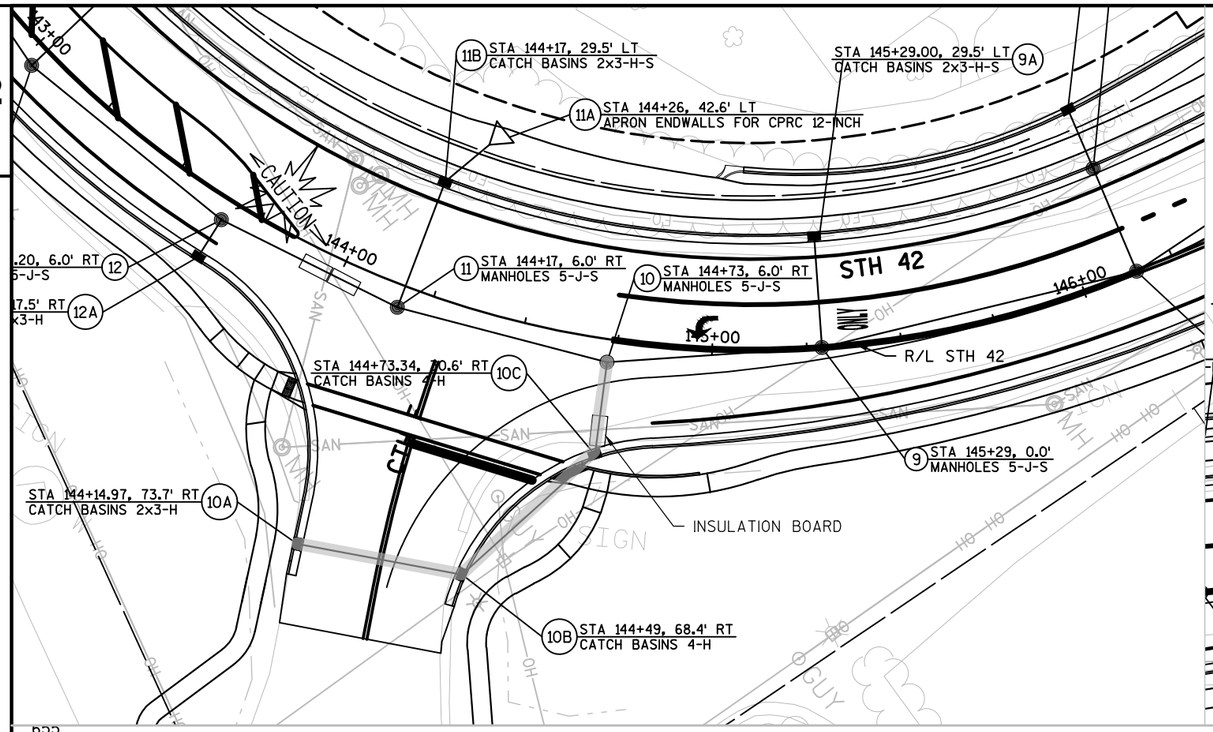


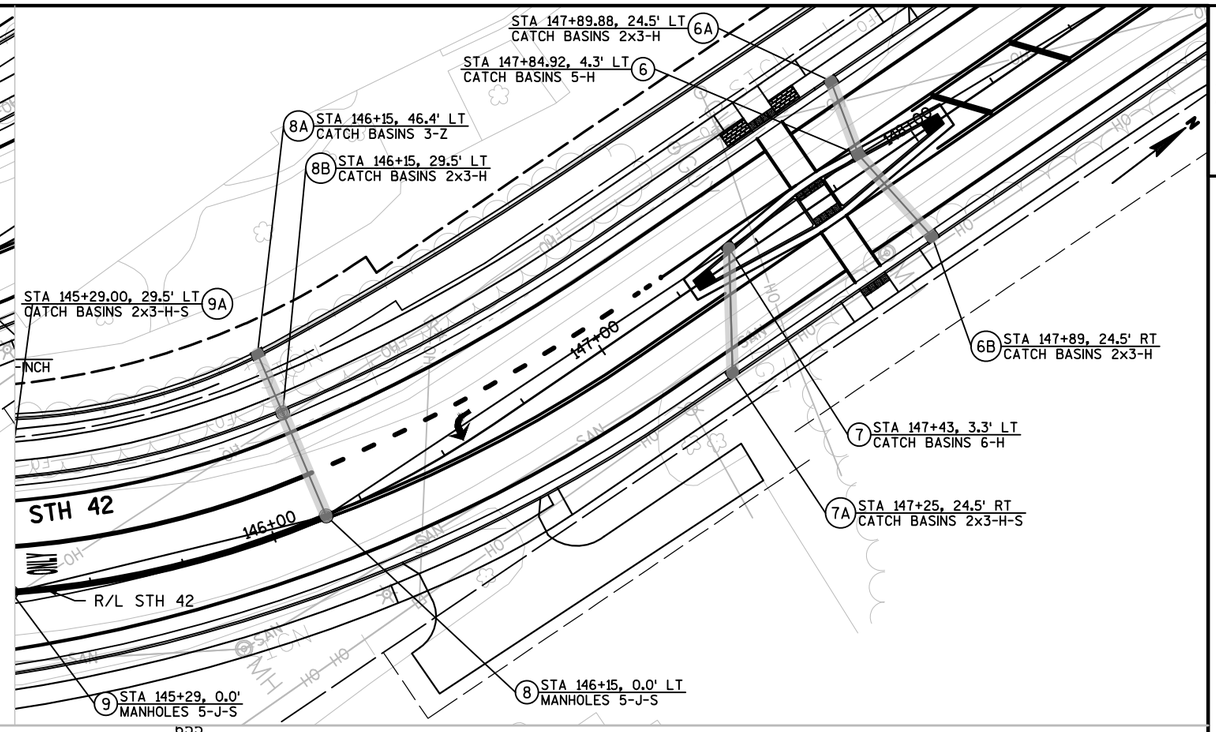
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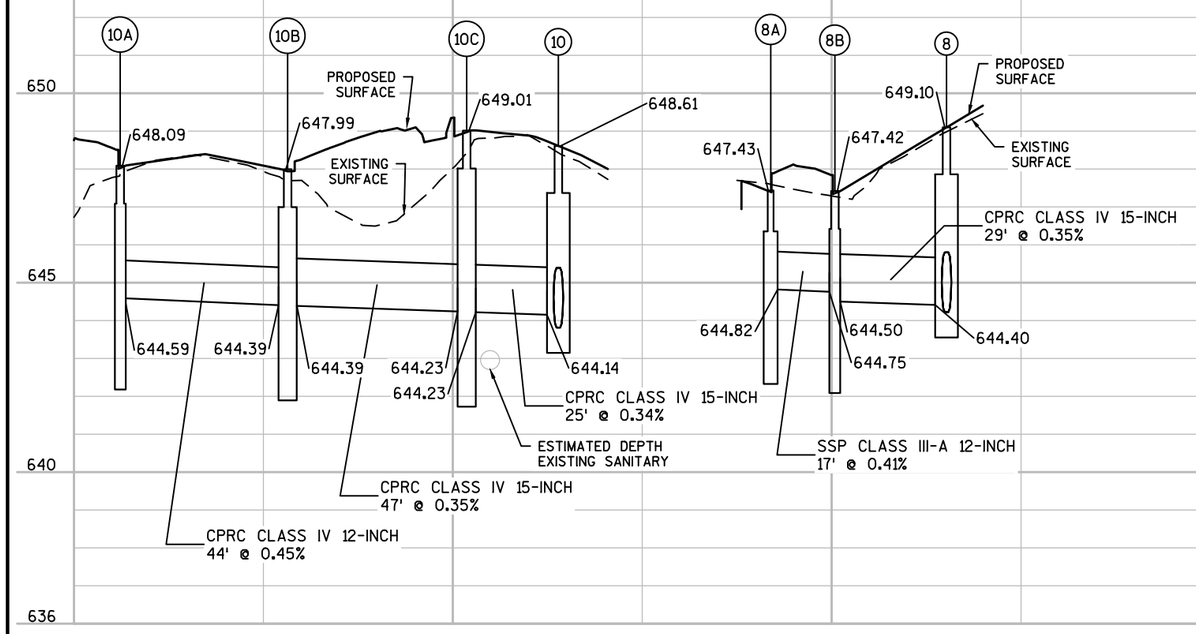


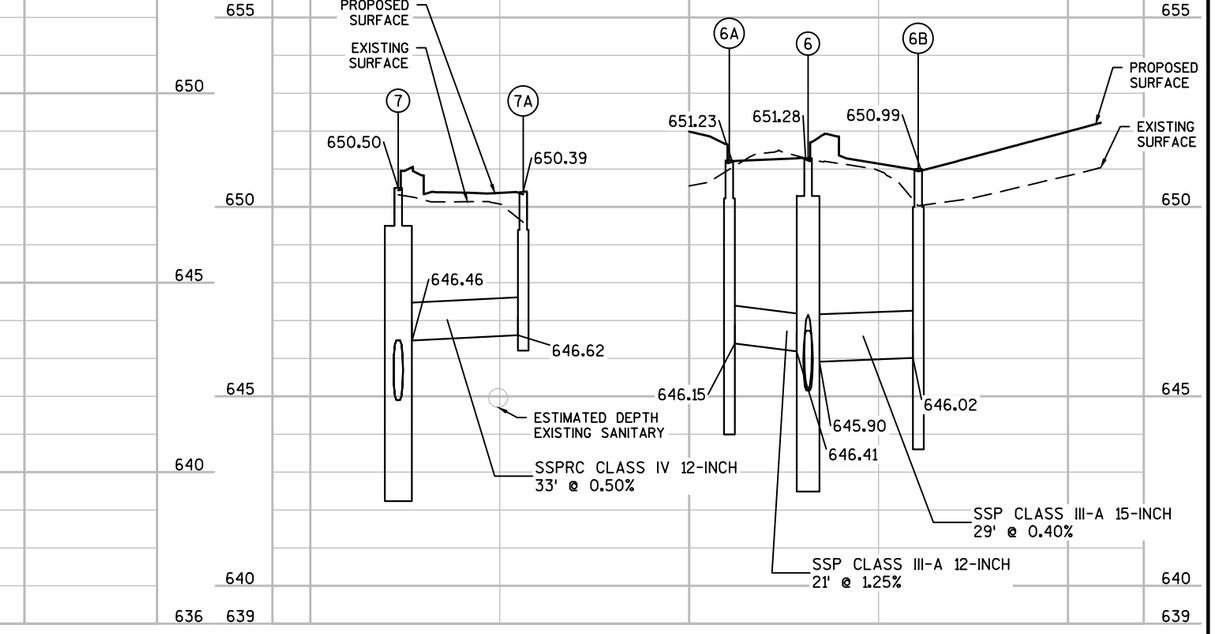


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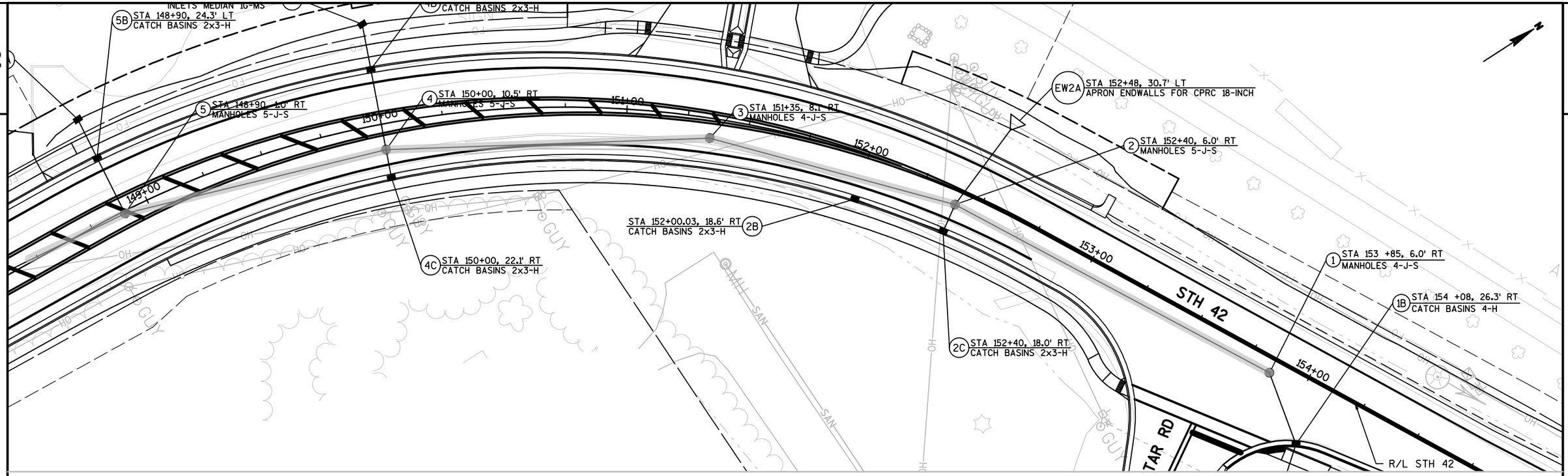


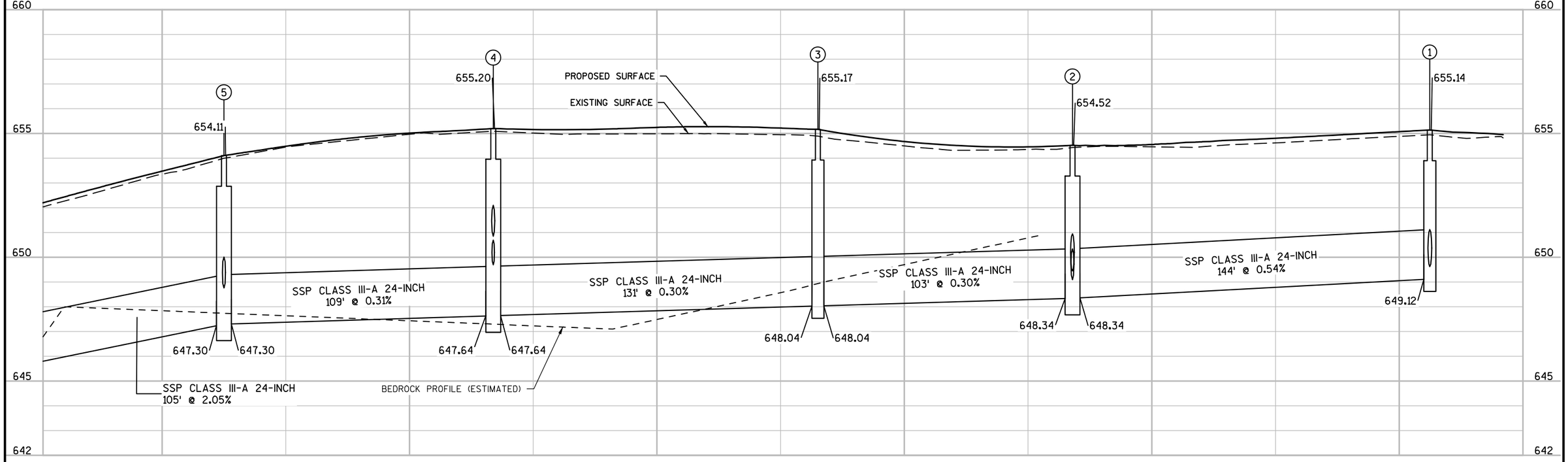




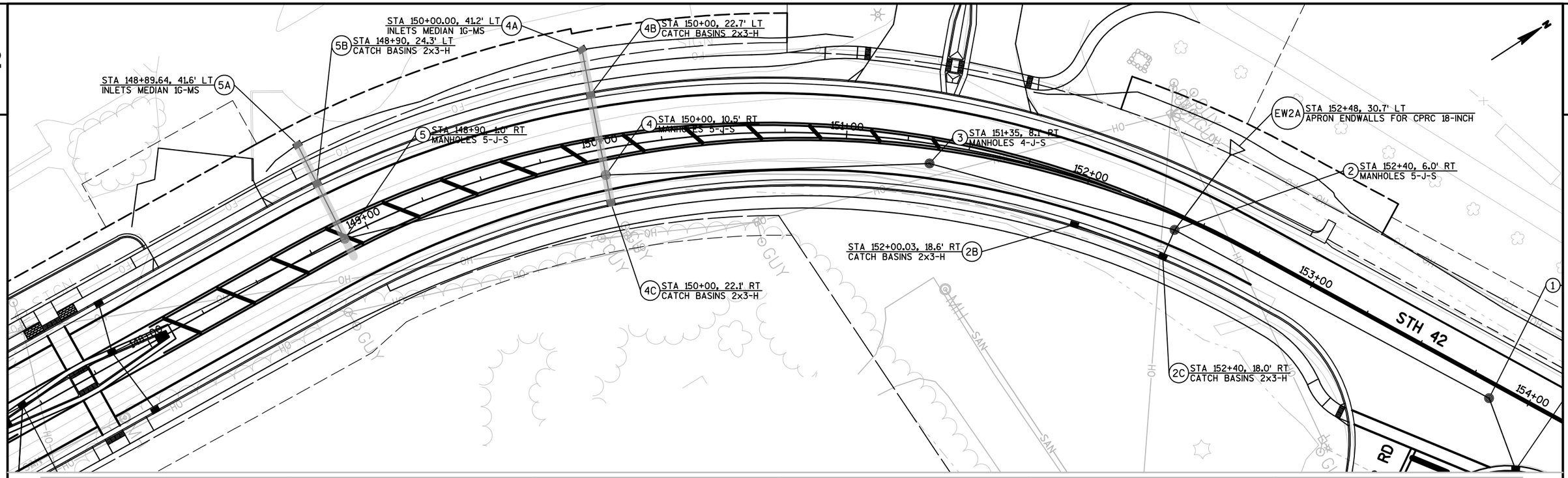


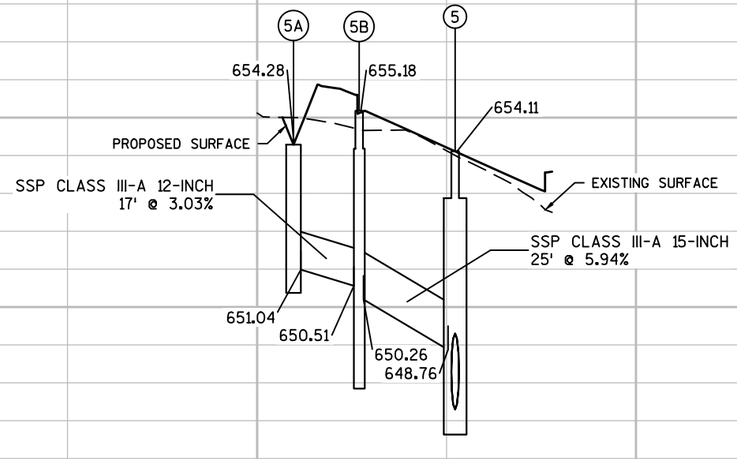
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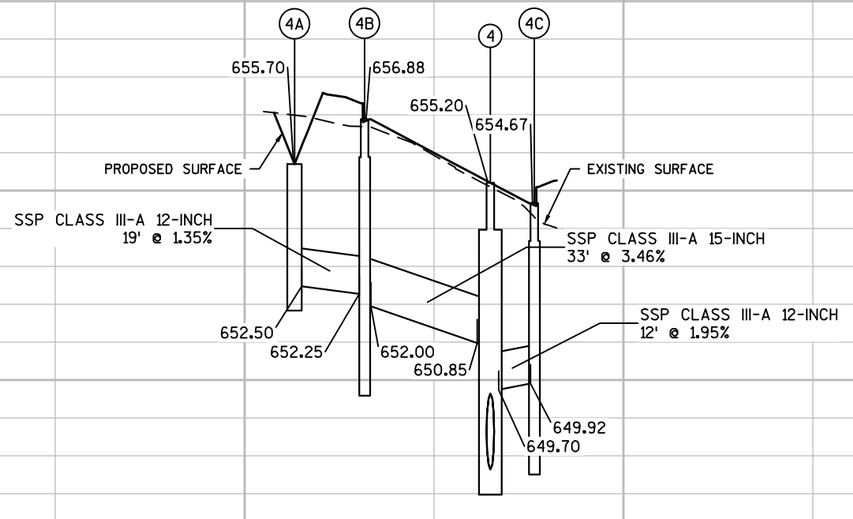




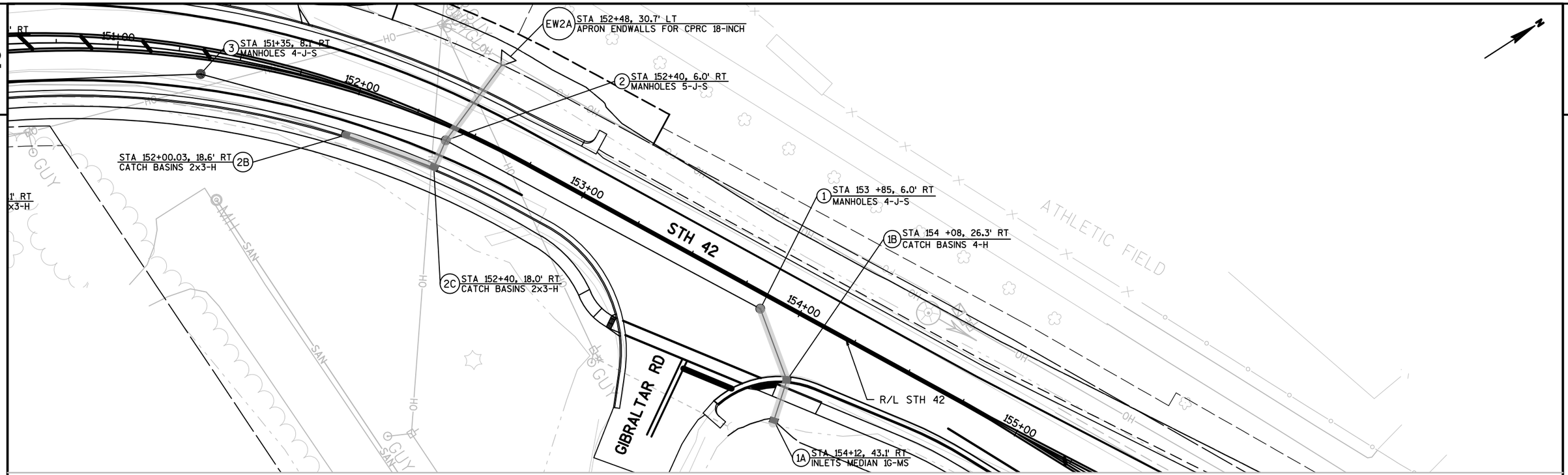
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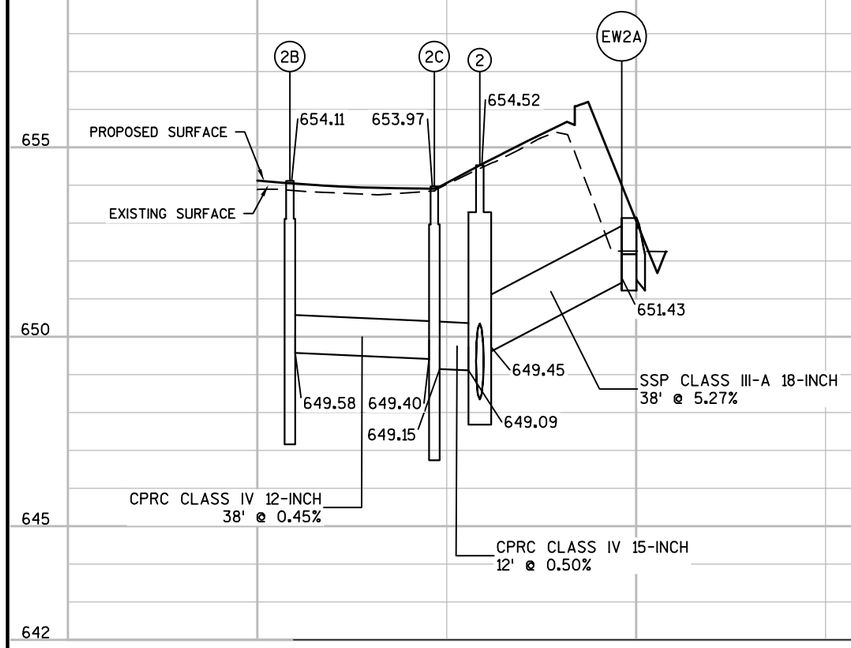


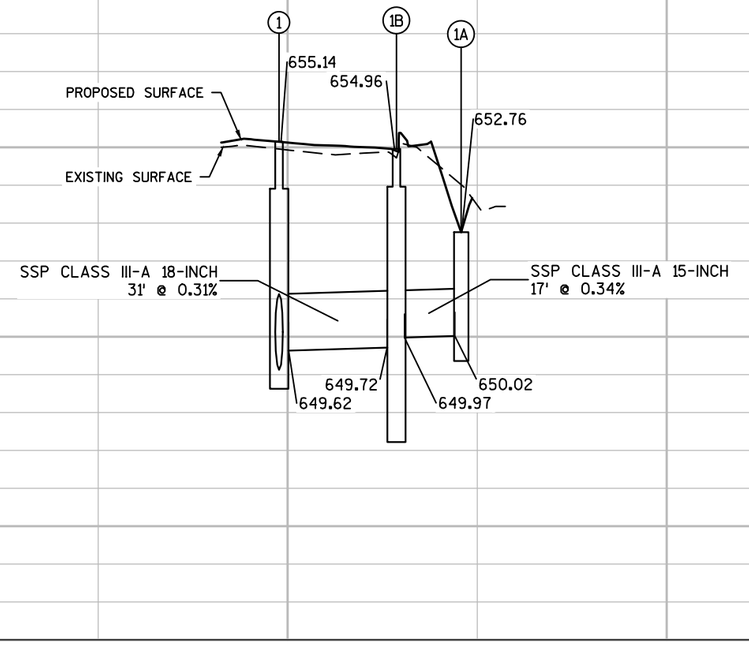




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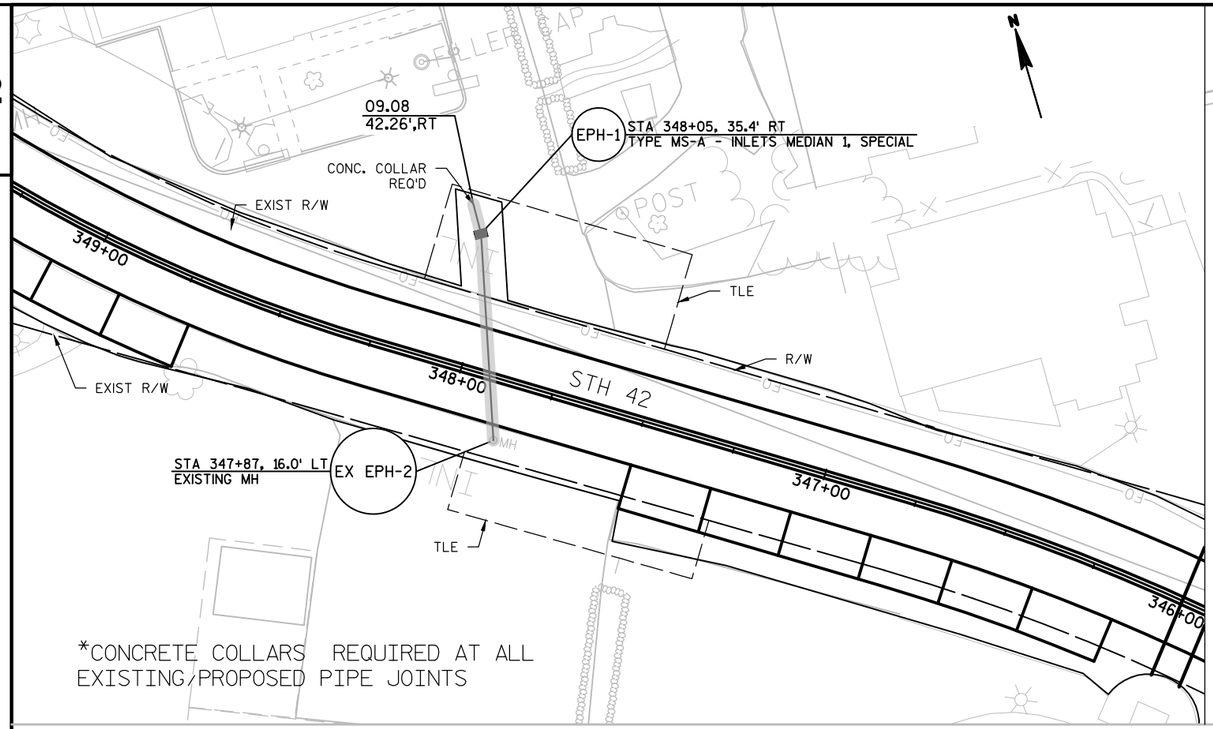


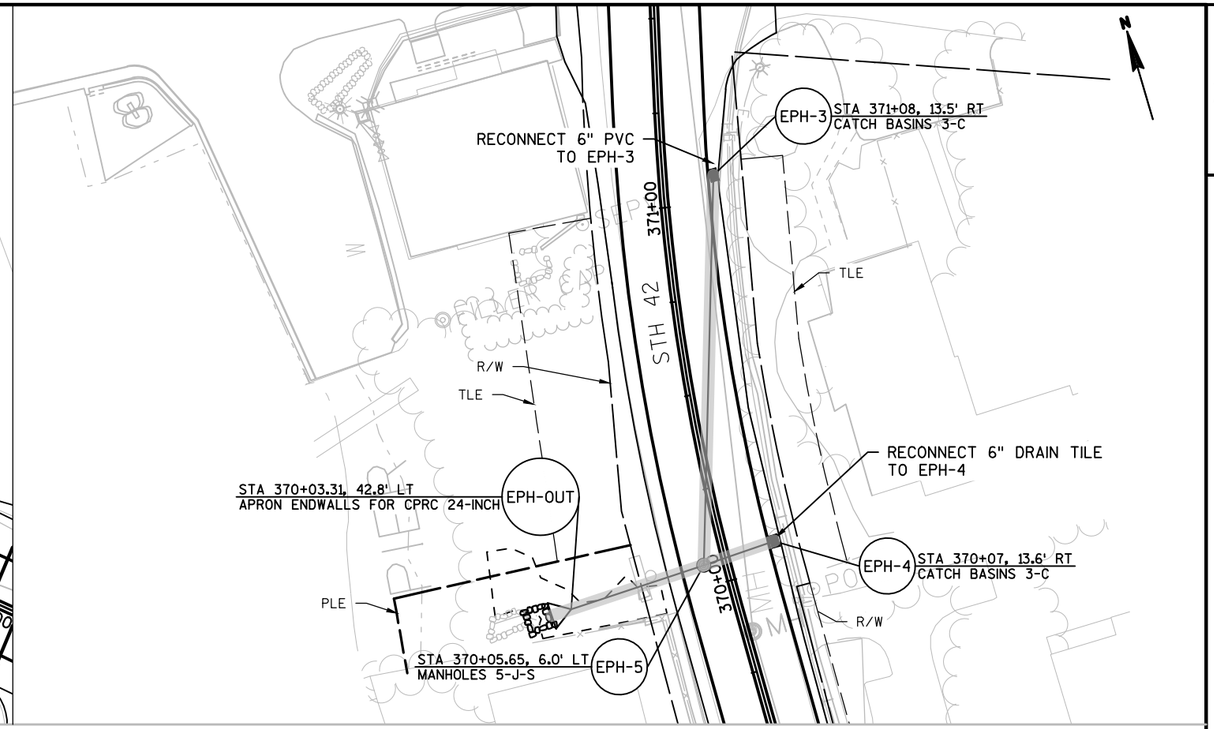


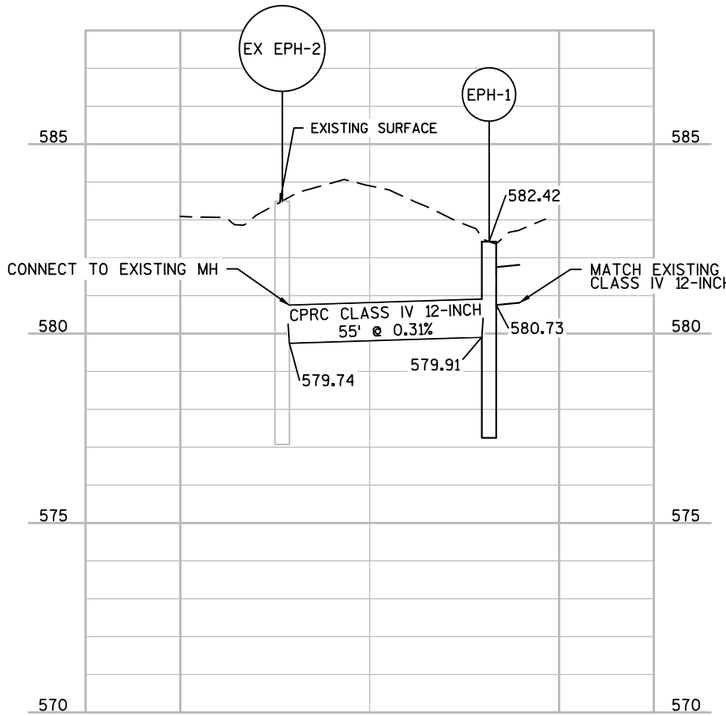
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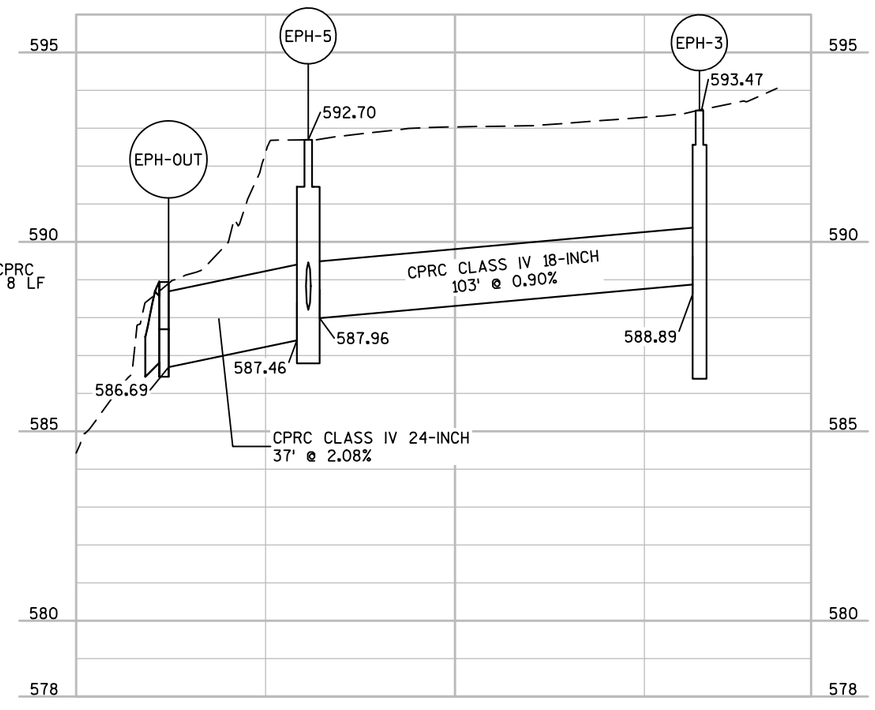
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LAYOUT NAME - 022506C-SS

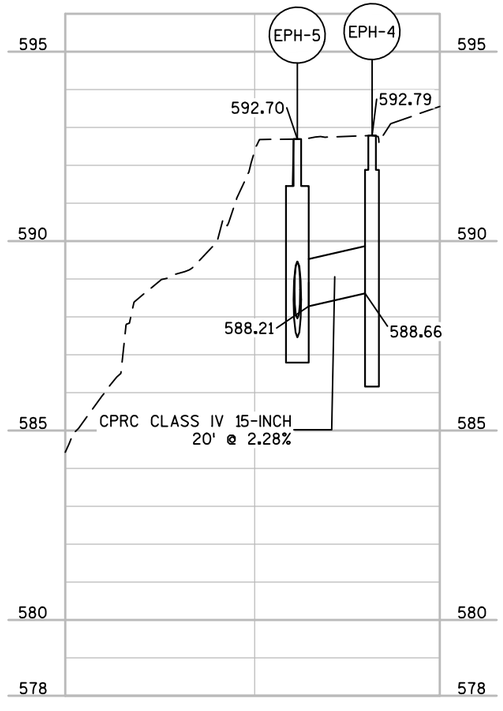
PLOT DATE : 10/11/2018 7:24 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT











PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 112 E

2

2

(46)-HEM STE

(46)-HEM STE

(7)-JUN BAR

STH 42 R/L

STH 42

147+00

148+00

STH 42

(7)-JUN BAR

SPLITTER ISLAND PLANTING AREA
SEE PLANTING DETAIL

SPLITTER ISLAND PLANTING AREA
SEE PLANTING DETAIL

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR COUNTY	PLANTING DETAIL	SHEET 113	E

2

2

N

OH

(7)-JUN BAR

(46)-HEM STE

(46)-HEM STE

(7)-JUN BAR

STH 42

156+00

157+00

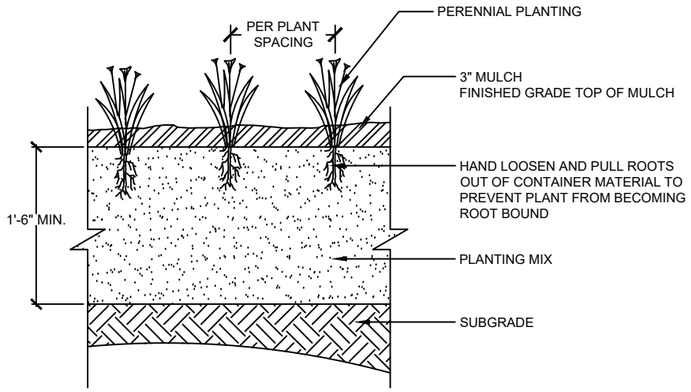
STH 42 R/L

STH 42

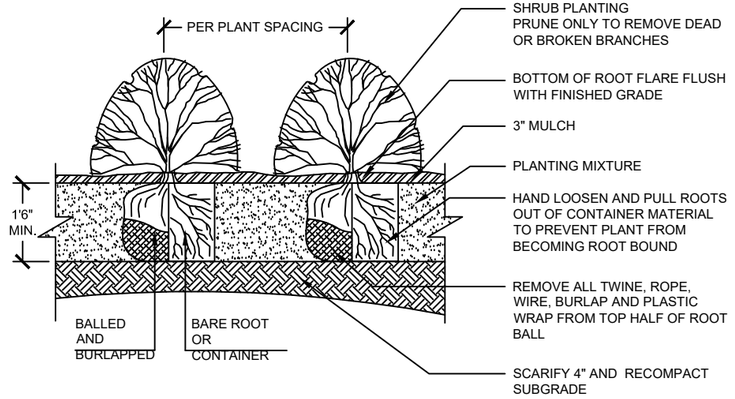
SPLITTER ISLAND PLANTING AREA
SEE PLANTING DETAIL

SPLITTER ISLAND PLANTING AREA
SEE PLANTING DETAIL

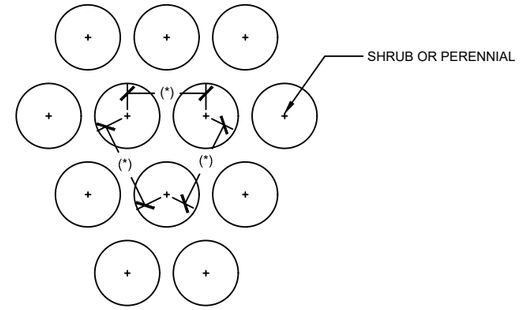
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLANTING DETAIL	SHEET 114	E



1 PERENNIAL PLANTING DETAIL

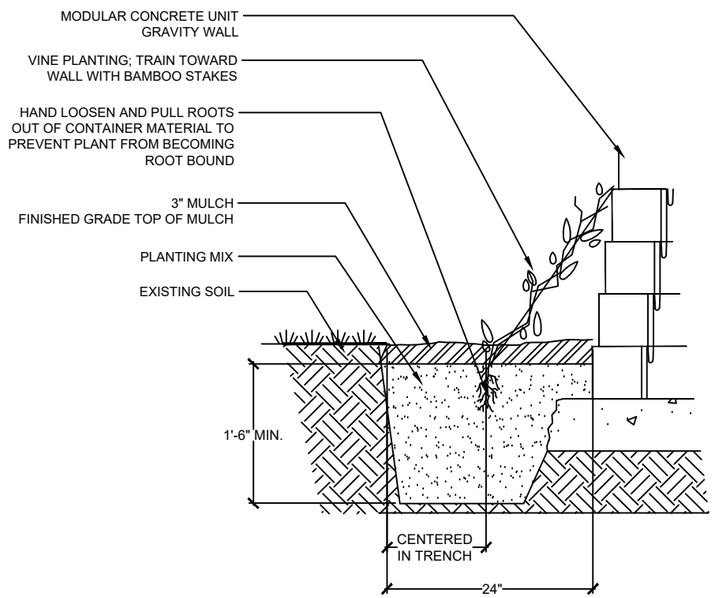


2 SHRUB PLANTING



(*) = SPECIFIED PLANT SPACING PER PLANTING LIST

3 PLANT SPACING DETAIL



4 VINE PLANTING DETAIL

PLANT SCHEDULE

EVERGREEN SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
JUN BAR	Juniperus horizontalis `Bar Harbor` / Bar Harbor Creeping Juniper	5 gal.	3.5' o.c.	28

VINE/ESPALIER	BOTANICAL NAME / COMMON NAME	SIZE	SPACING	QTY
PQ	Parthenocissus quinquefolia / Virgina Creeper	1 gal.	5' o.c.	79

PERENNIALS	BOTANICAL NAME / COMMON NAME	CONT	SPACING	QTY
HEM STE	Hemerocallis x `Stella de Oro` / Stella de Oro Daylily	1 Gal.	15" o.c.	184

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023103-LP
PLOT DATE : 7/25/2018 8:27 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

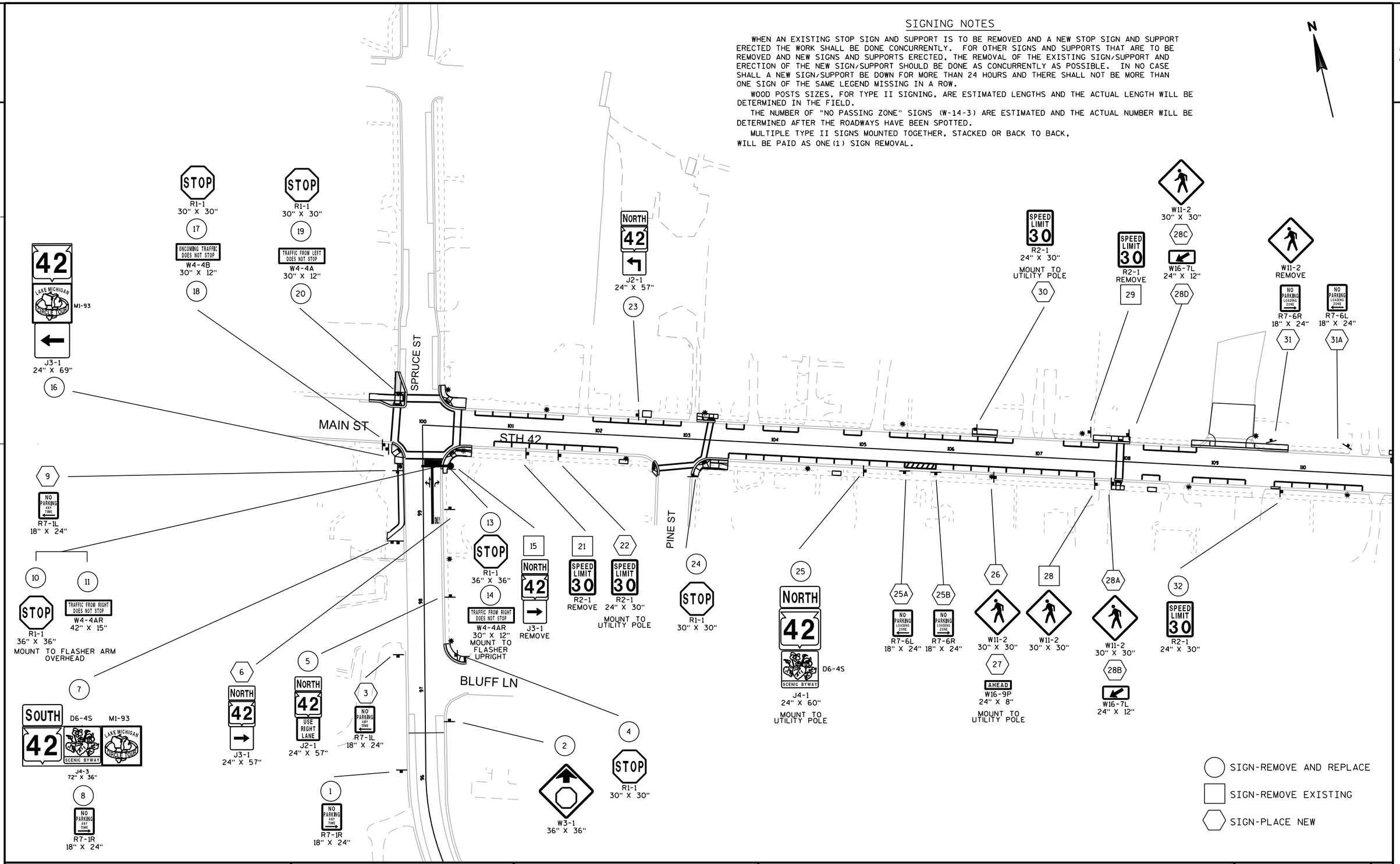
SIGNING NOTES

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

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

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

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



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4140-19-71 STH 42 GIBRALTAR TO SISTER BAY\41401971_SIGNPLAN_ps.dgn PLOT DATE : 31-JUL-2018 09:11 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1

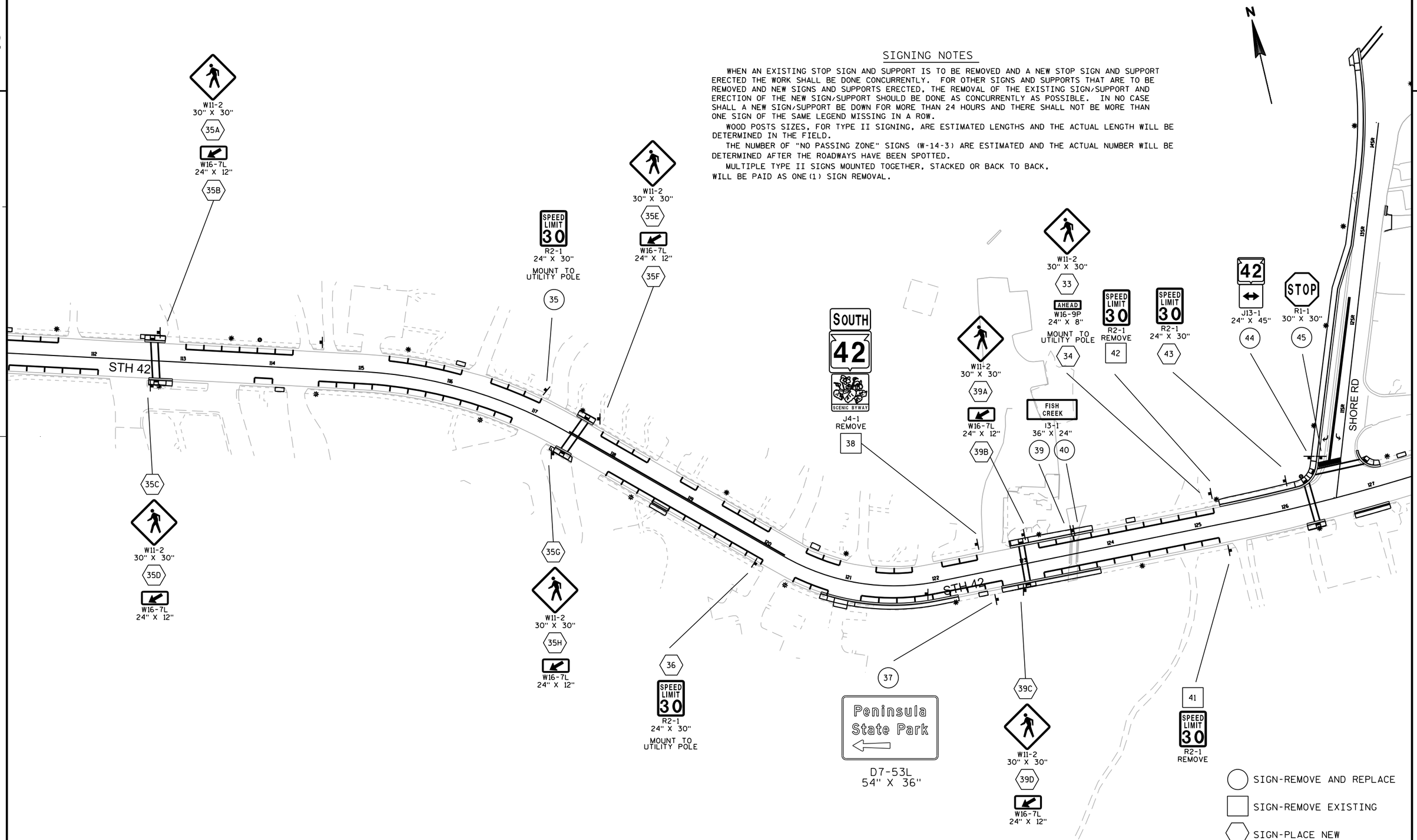
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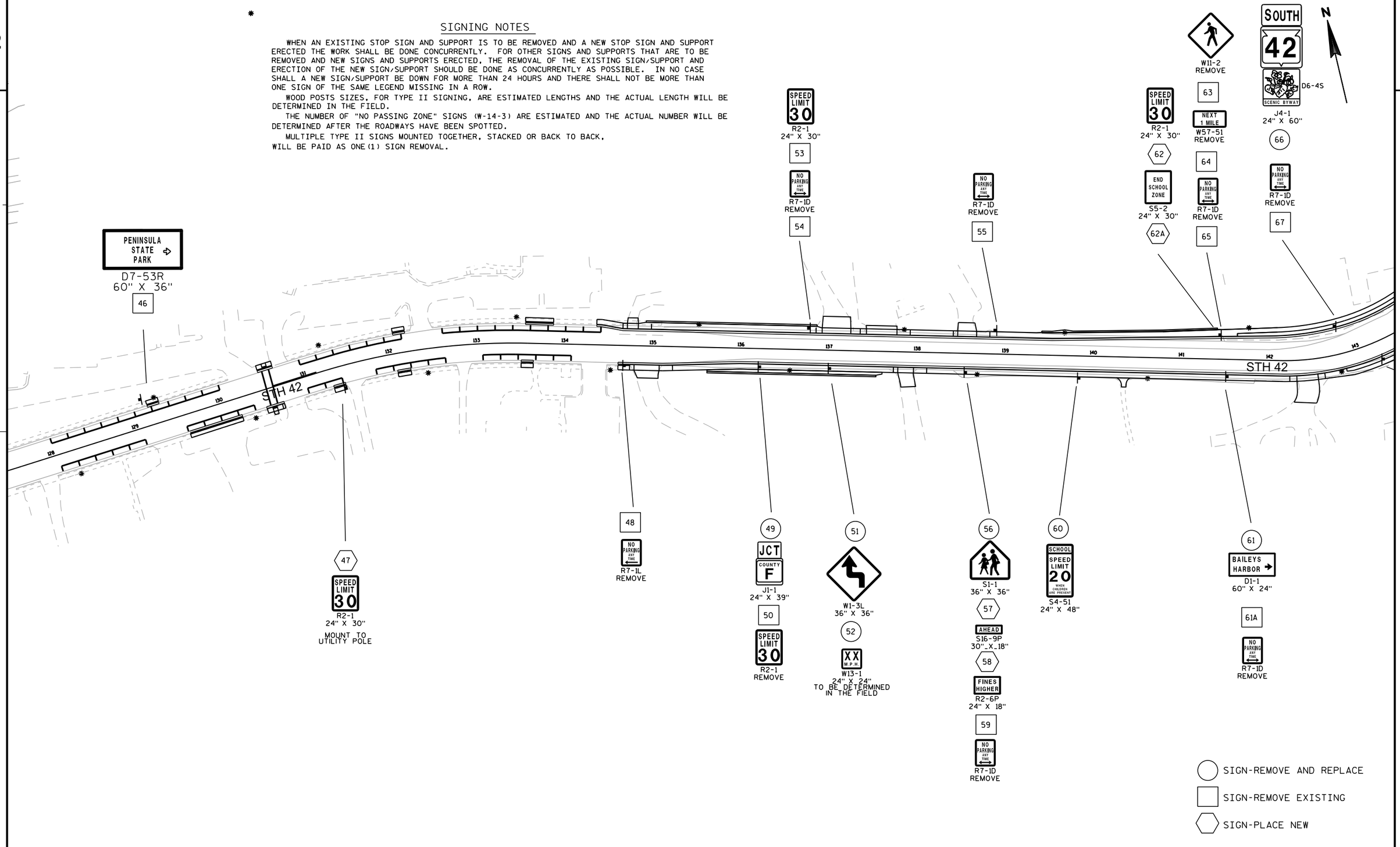
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET	E

2

SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

N

S1-1
36" X 36"
84

S16-7L
30" X 18"
85

R7-1D
REMOVE
88

R4-7
24" X 30"
89

JCT
COUNTY F
J1-1
24" X 39"
91

R7-1D
REMOVE
92

W1-6
48" X 24"
93

R7-1D
REMOVE
95

W1-7
48" X 24"
96

SPEED LIMIT 30
R2-1
24" X 30"
98A

SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
REMOVE
98

R7-1D
REMOVE
99

S1-1
36" X 36"
102

S16-7L
30"_X_18"
103

W11-2
REMOVE
111
112

W1-3L
36" X 36"
116A

XX M.P.H.
W13-1
24" X 24"
TO BE DETERMINED IN THE FIELD
116B

SPEED LIMIT 30
R2-1
REMOVE
116

COUNTY F
J13-1
24" X 45"
70

W1-6
48" X 24"
74

BAILEYS HARBOR
D1-1
60" X 24"
76

CTH F

STH 42

GIBRALTAR RD

97A
W5-56
18" X 18"

94
W11-2
REMOVE

97
STOP
R1-1
30" X 30"

R4-7
24" X 30"
104

107
S1-1
36" X 36"

108
S16-7L
30"_X_18"

109
110
W11-2
REMOVE

113
SPONSOR
DOOR COUNTY ART LEAGUE
I55-56
30" X 36"
INCLUDE NEW BRACKET PER SIGN PLATE I55-56B

114
R4-7
24" X 30"

115
SPEED LIMIT 30
R2-1
24" X 30"
115A
END SCHOOL ZONE
S5-2
24" X 30"

117
NO PASSING ZONE
W14-3
48" X 36"

79
R4-7
24" X 30"

82
S1-1
36" X 36"
83
S16-7L
30" X 18"

90
R7-1D
REMOVE

68
W1-6
48" X 24"

69
COUNTY F
J13-1
24" X 45"

71
STOP
R1-1
36" X 36"

72
STOP
R1-1
36" X 36"

73
42
J13-1
24" X 45"

75
NORTH
42
D6-4S
SCENIC BYWAY
J4-1
24" X 60"
MOUNT TO UTILITY POLE

77
SPEED LIMIT 30
R2-1
24" X 30"
78
R7-1D
REMOVE

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2



S4-51
24" X 48"

118A



W1-3L
REMOVE

118



W13-1
REMOVE

119



S1-1
36" X 36"

120A



S16-9P
30"_X_18"

120B



R2-6P
24" X 18"

120C



W11-2
REMOVE

120



R2-1
24" X 30"

121



I2-3
72" X 24"

123

150 151 152 163 164 165 166 167 168 169 170 171 172 173 174 175

122



R2-1
24" X 30"



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SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY:DOOR	PERMANENT SIGNING	SHEET 120	E

2





W3-5
36" X 36"

124



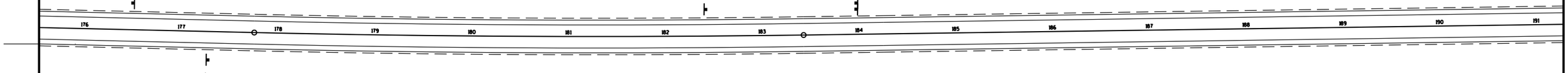
W14-3
48" X 36"

126



D7-51
54" X 36"

127



125



R2-1
24" X 30"

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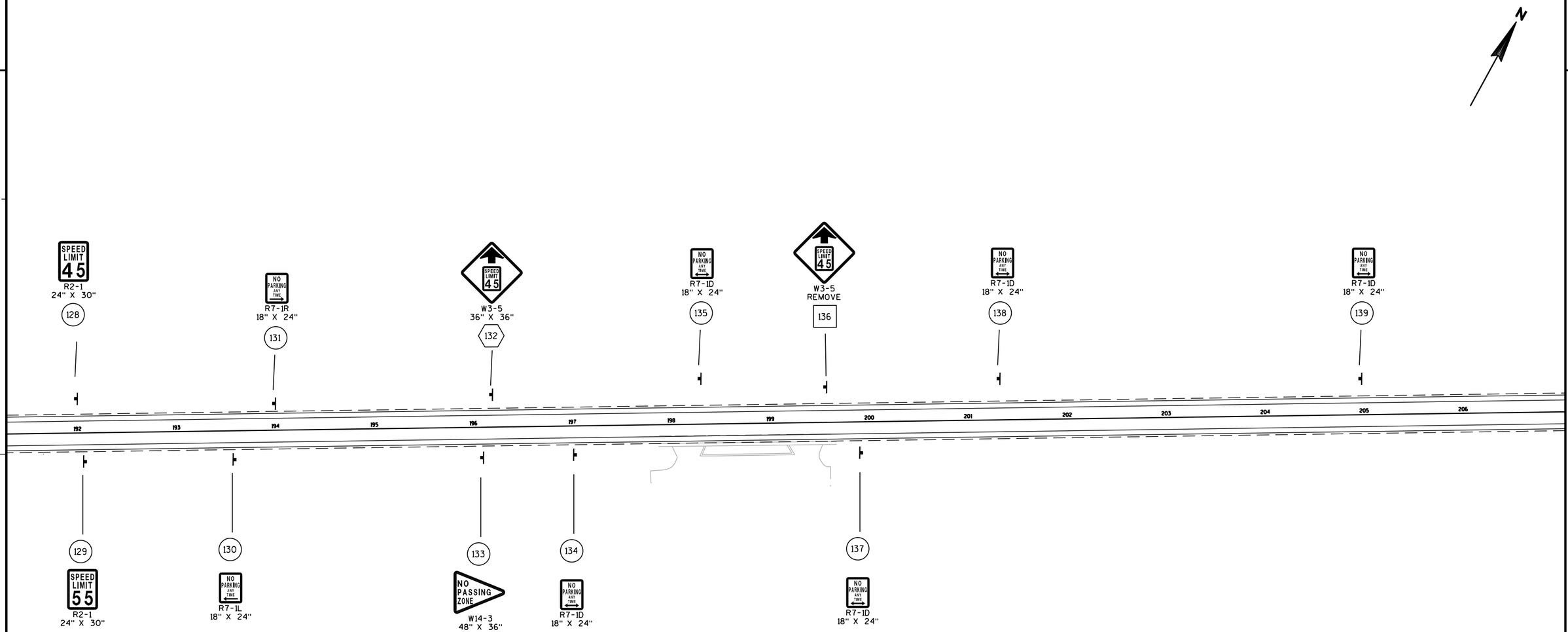
SIGN-PLACE NEW

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY:DOOR	PERMANENT SIGNING	SHEET	E

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WISDOT/CADDS SHEET 42

2



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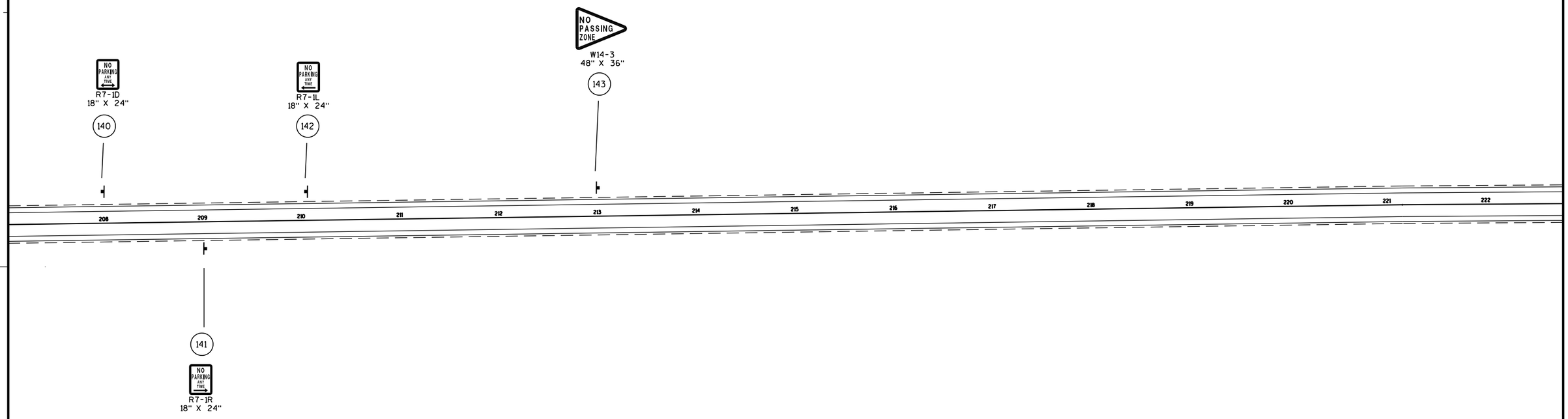
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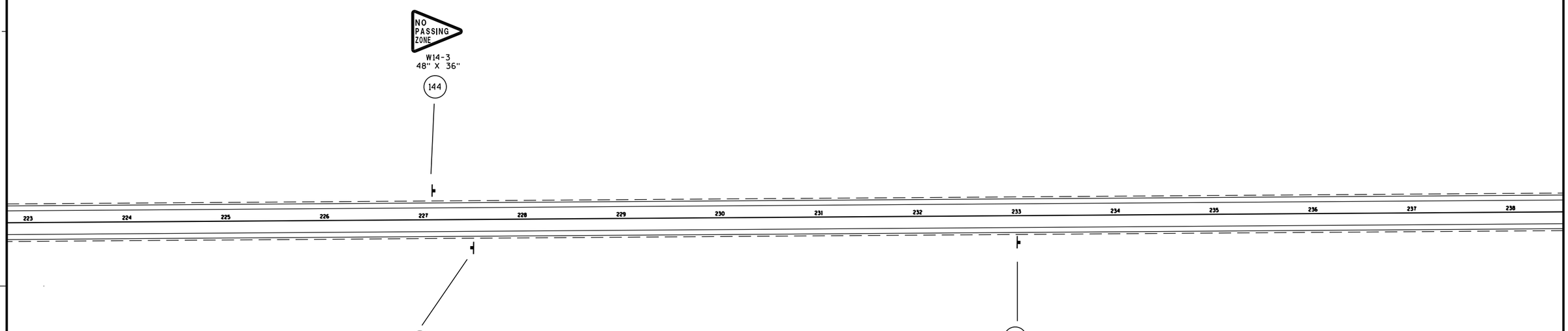
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY:DOOR	PERMANENT SIGNING	SHEET	E

2

N

THEATRE ENTRANCE
W54-54
30" X 30"
152

THEATRE ENTRANCE
W54-54
REMOVE
154

SPEED LIMIT 55
R2-1
24" X 30"
155

SOUTH
42
D6-4S
SCENIC BYWAY
M1-93
LAKE MICHIGAN CIRCLE TOUR
J4-3
72" X 36"
156

SPEED LIMIT 55
R2-1
REMOVE
158

239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254

STH 42

SIGN

148
SPEED LIMIT 45
W3-5
36" X 36"

149
NO PASSING ZONE
W14-3
48" X 36"

150
JCT
COUNTY A
J1-1
24" X 39"

153
JACKSONPORT
D1-1
REMOVE

157
SPEED LIMIT 45
R2-1
24" X 30"

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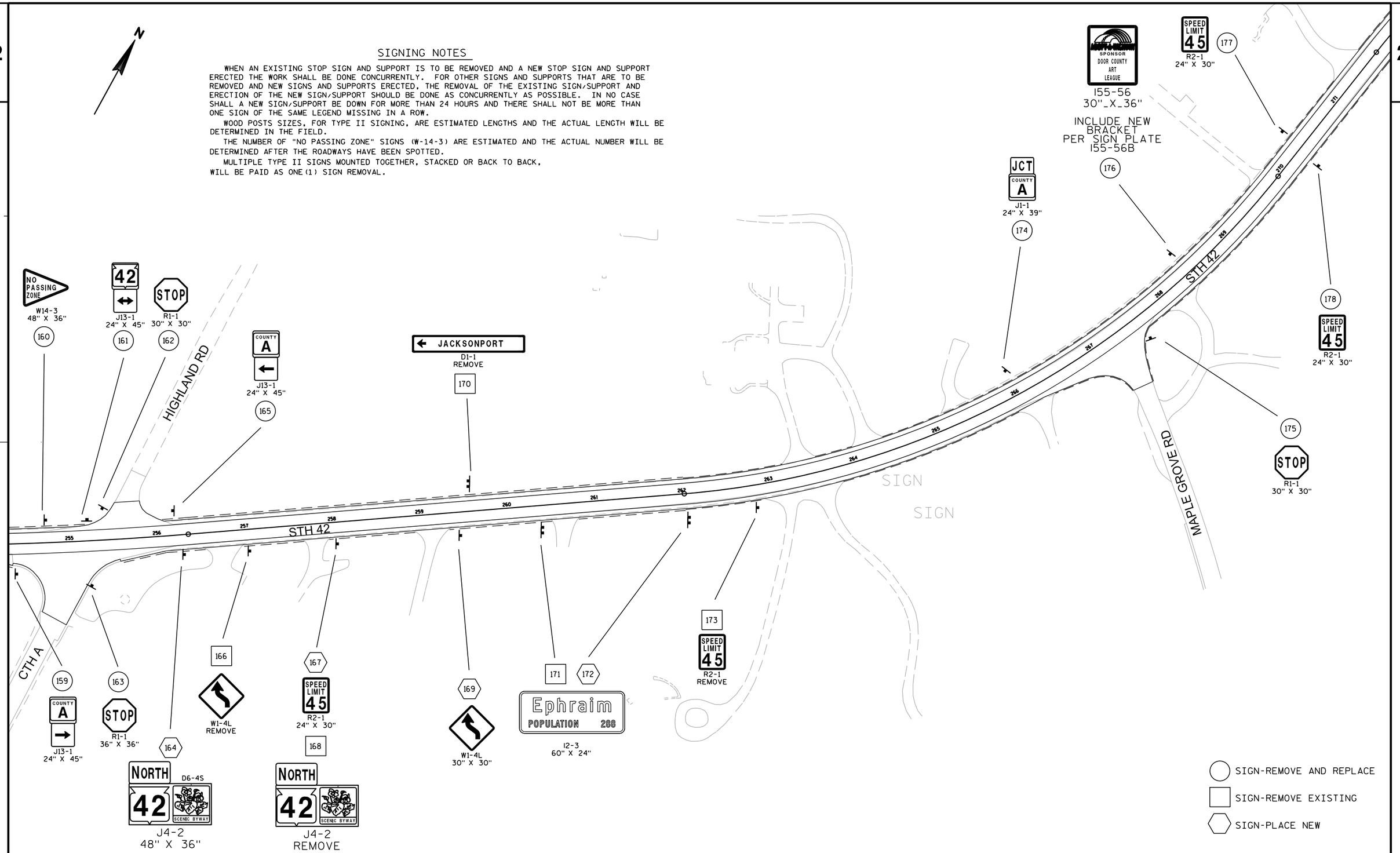
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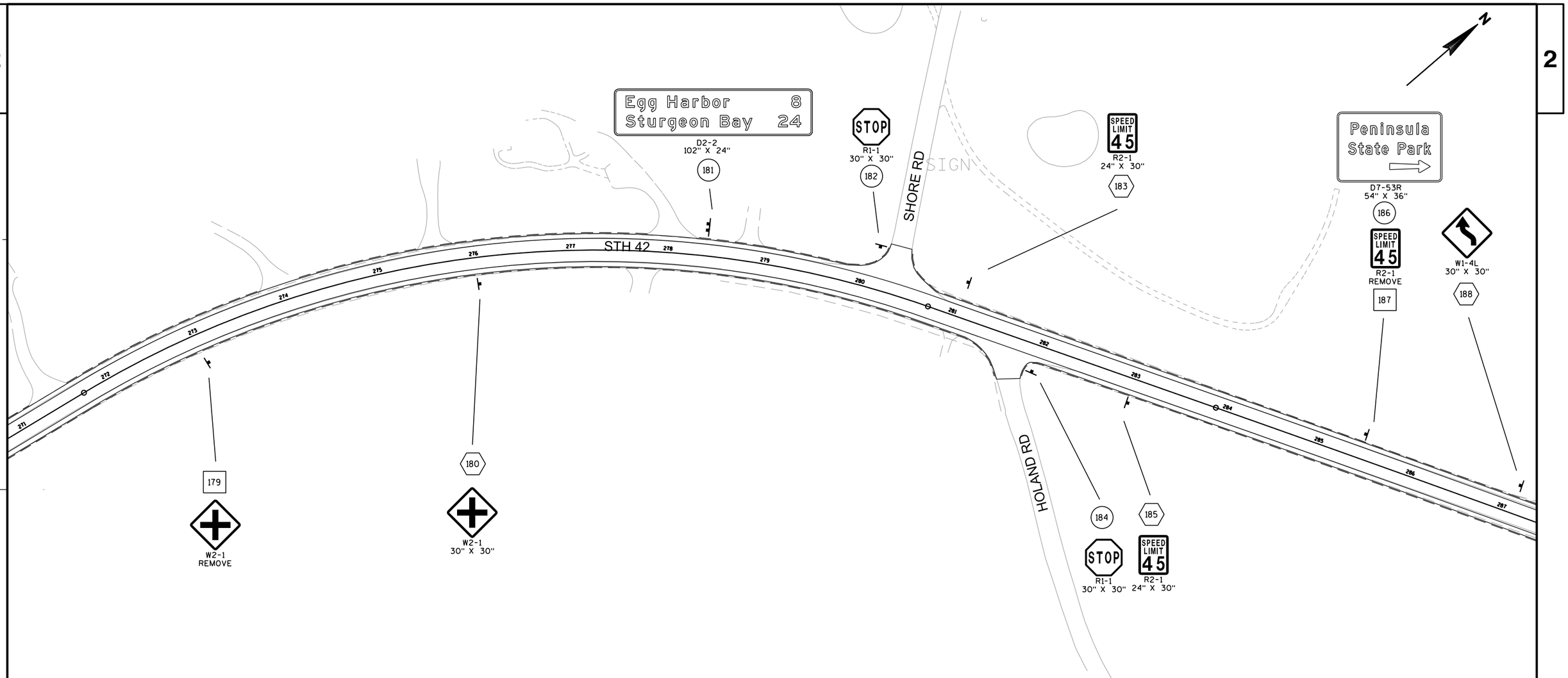
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SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY:DOOR	PERMANENT SIGNING	SHEET 127 E

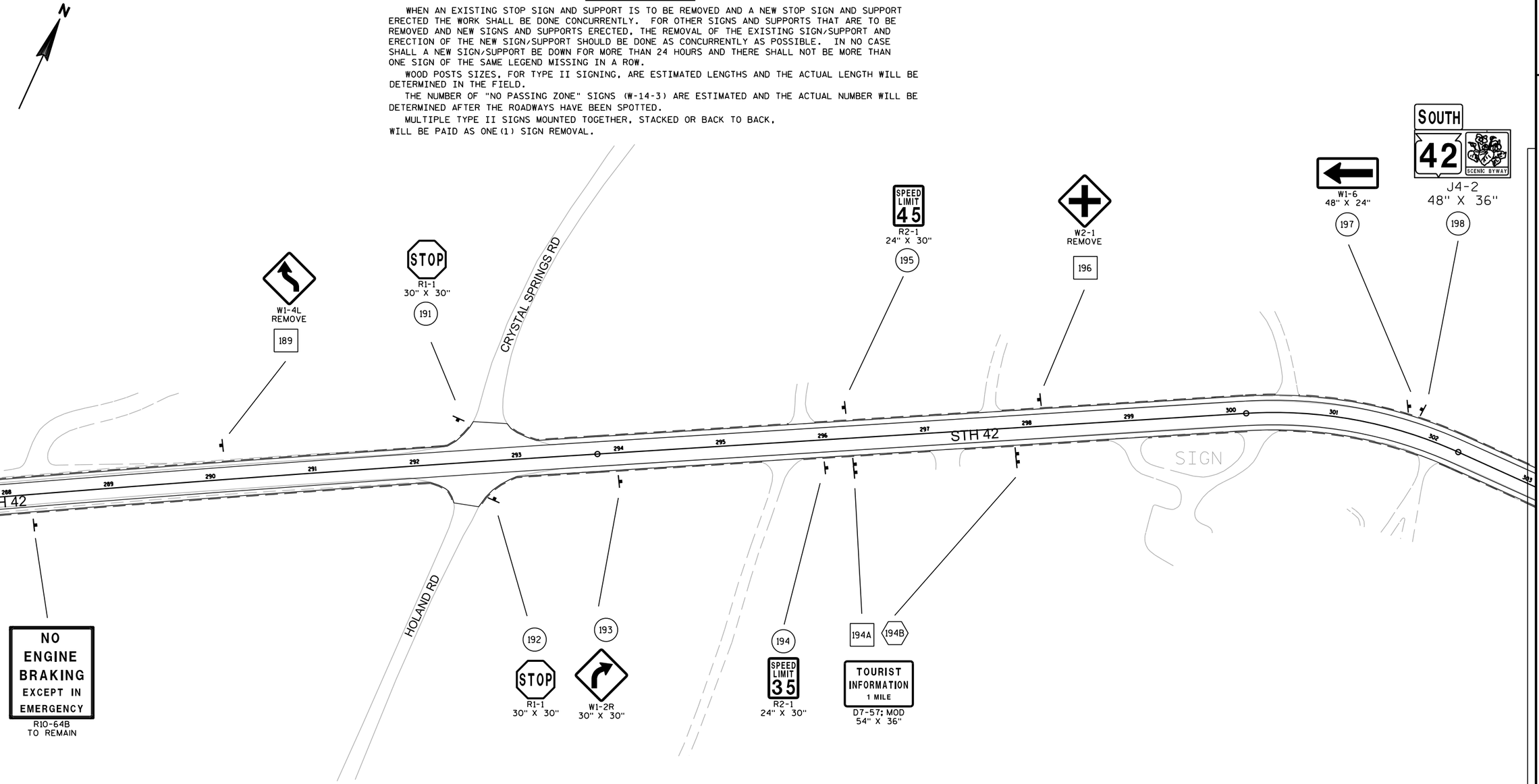
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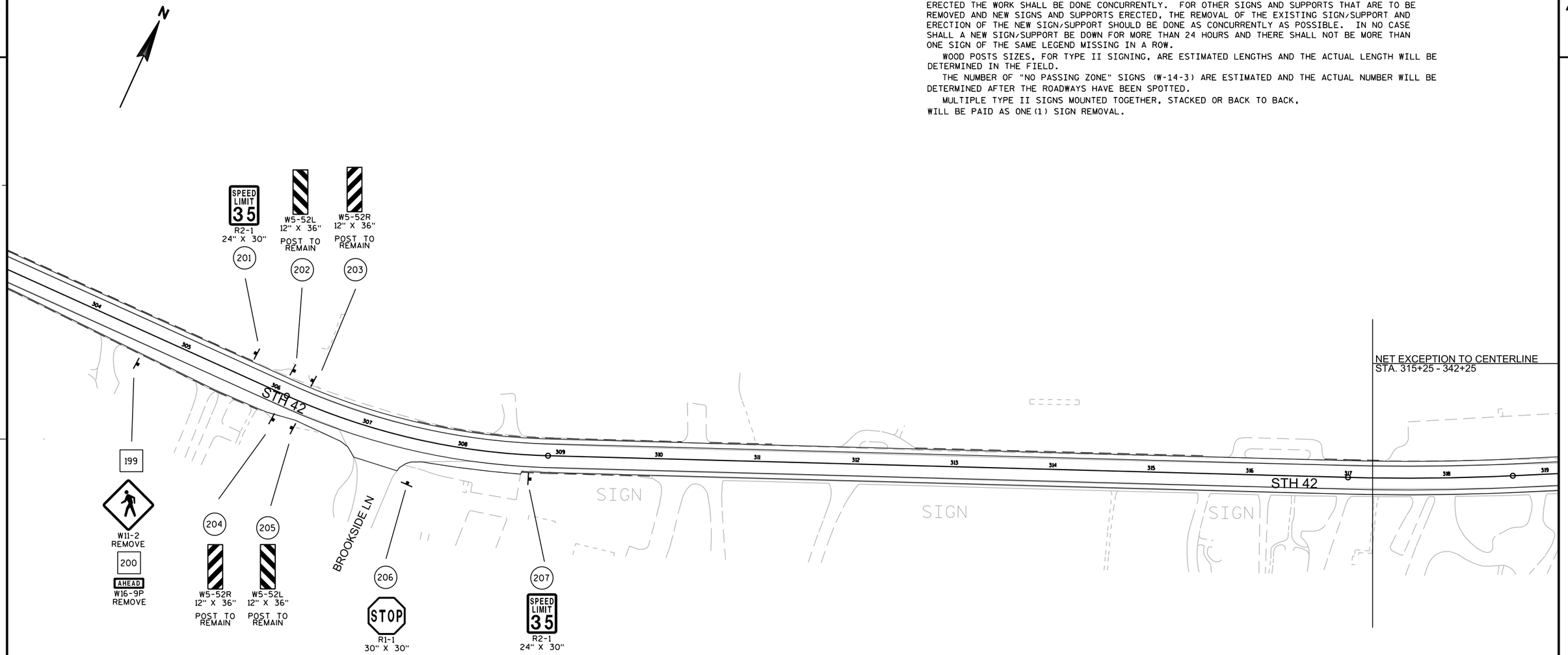
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NET EXCEPTION TO CENTERLINE
STA. 315+25 - 342+25

SIGN-REMOVE AND REPLACE

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WISDOT/CADDS SHEET 42

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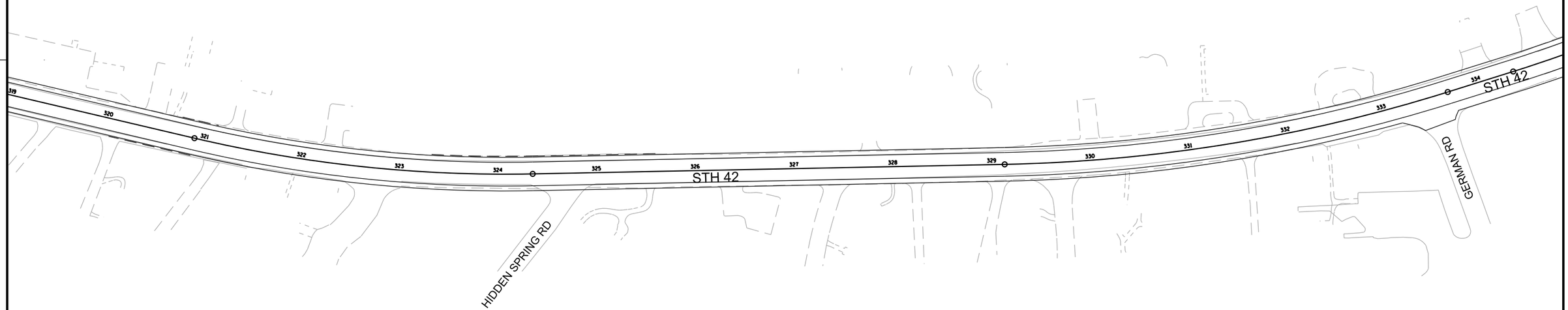
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N

NET EXCEPTION TO CENTERLINE
STA. 315+25 - 342+25



SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY:DOOR	PERMANENT SIGNING	SHEET 130	E

SIGNING NOTES

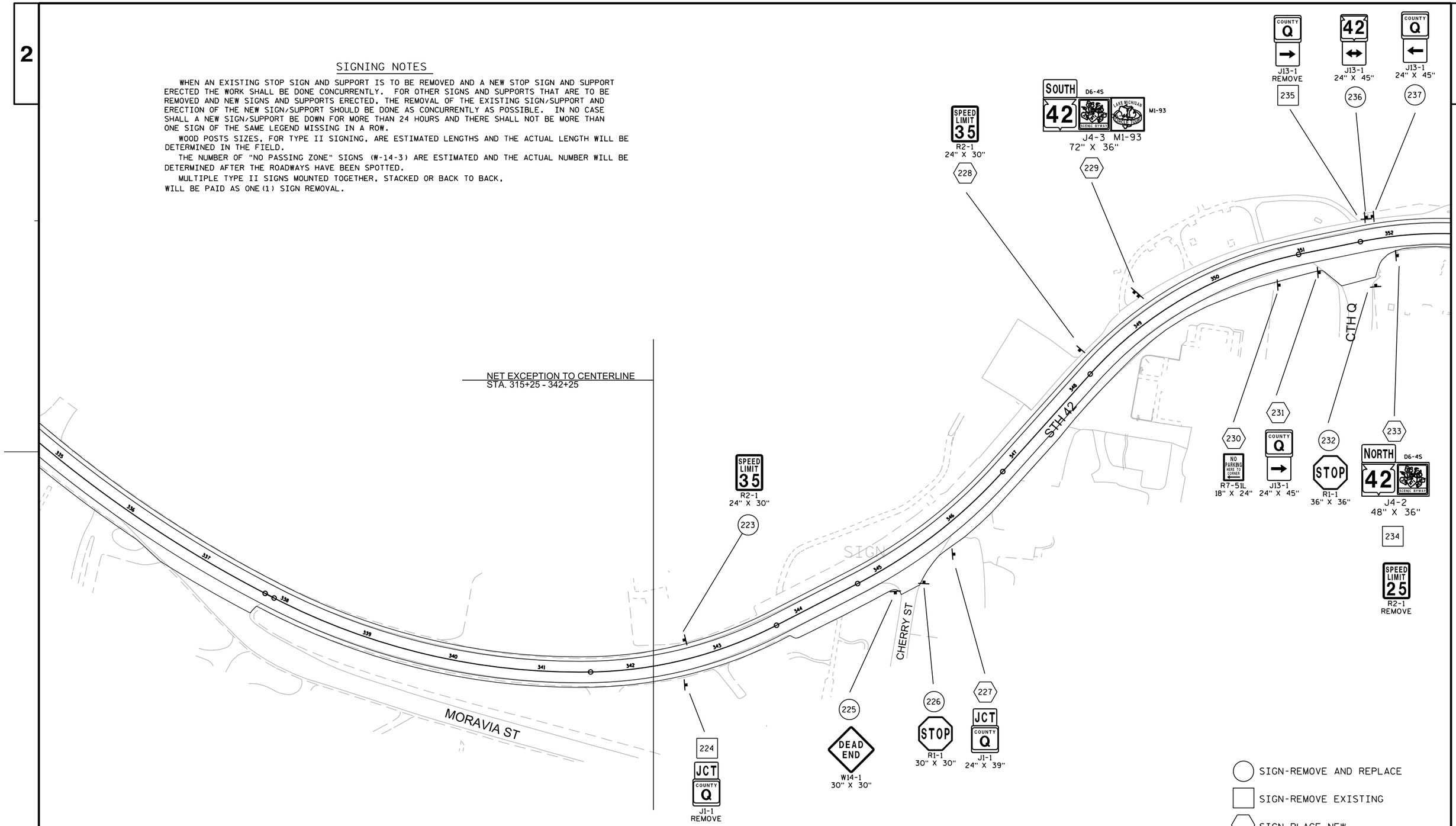
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET E

2

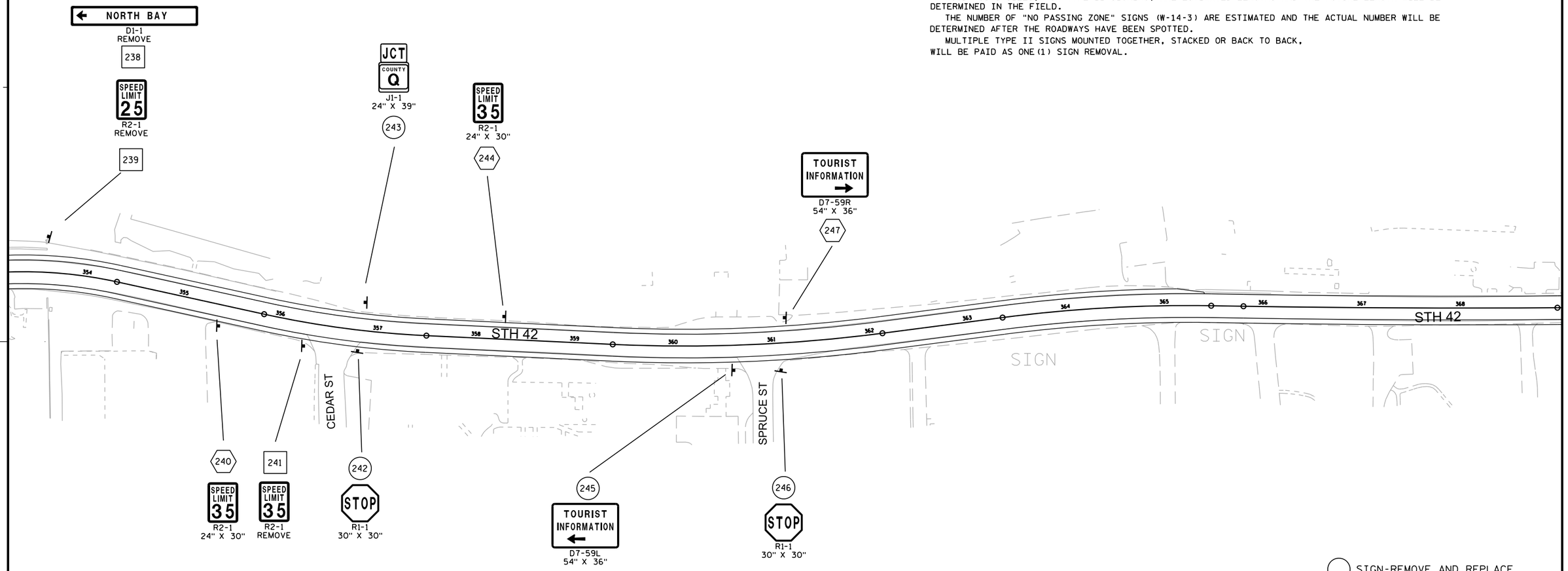
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SIGN-REMOVE EXISTING

SIGN-PLACE NEW

N

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET 132 E

2

SIGNING NOTES

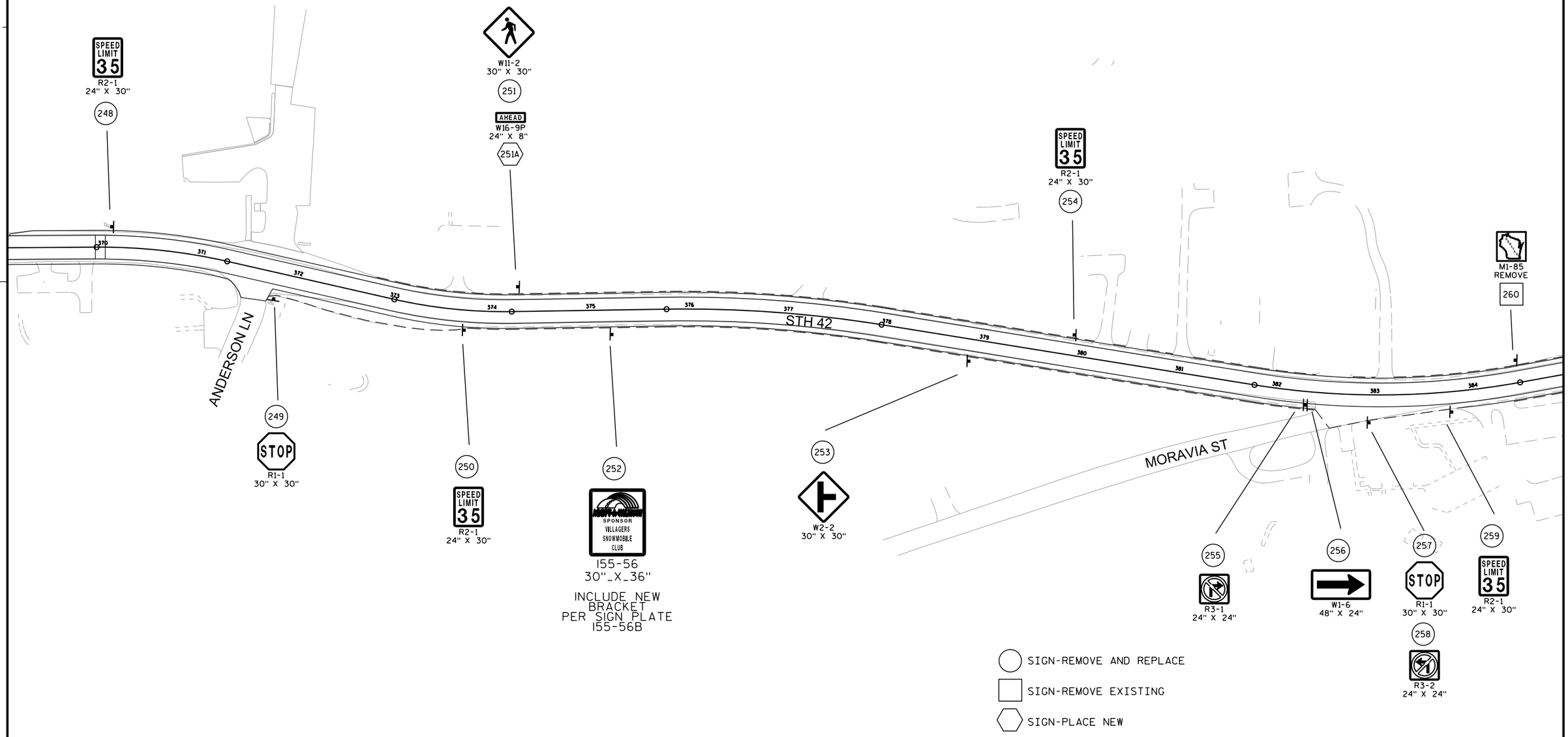
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY:DOOR	PERMANENT SIGNING	SHEET	E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4140-19-71 STH 42 GIBRALTAR TO SISTER BAY\41401971_SIGNPLAN_ps.dgn PLOT DATE : 31-JUL-2018 09:11 PLOT BY : dotets PLOT NAME : PLOT SCALE : 100:1

2

SIGNING NOTES

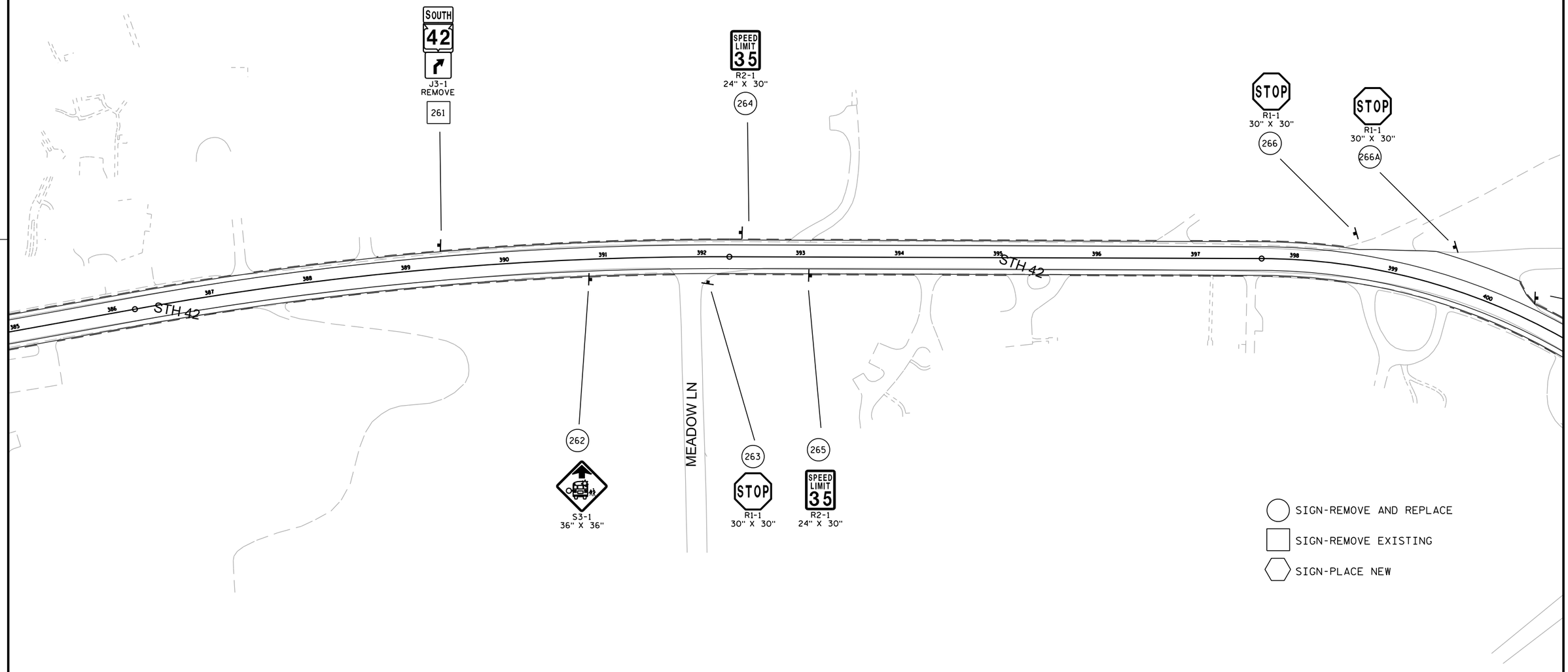
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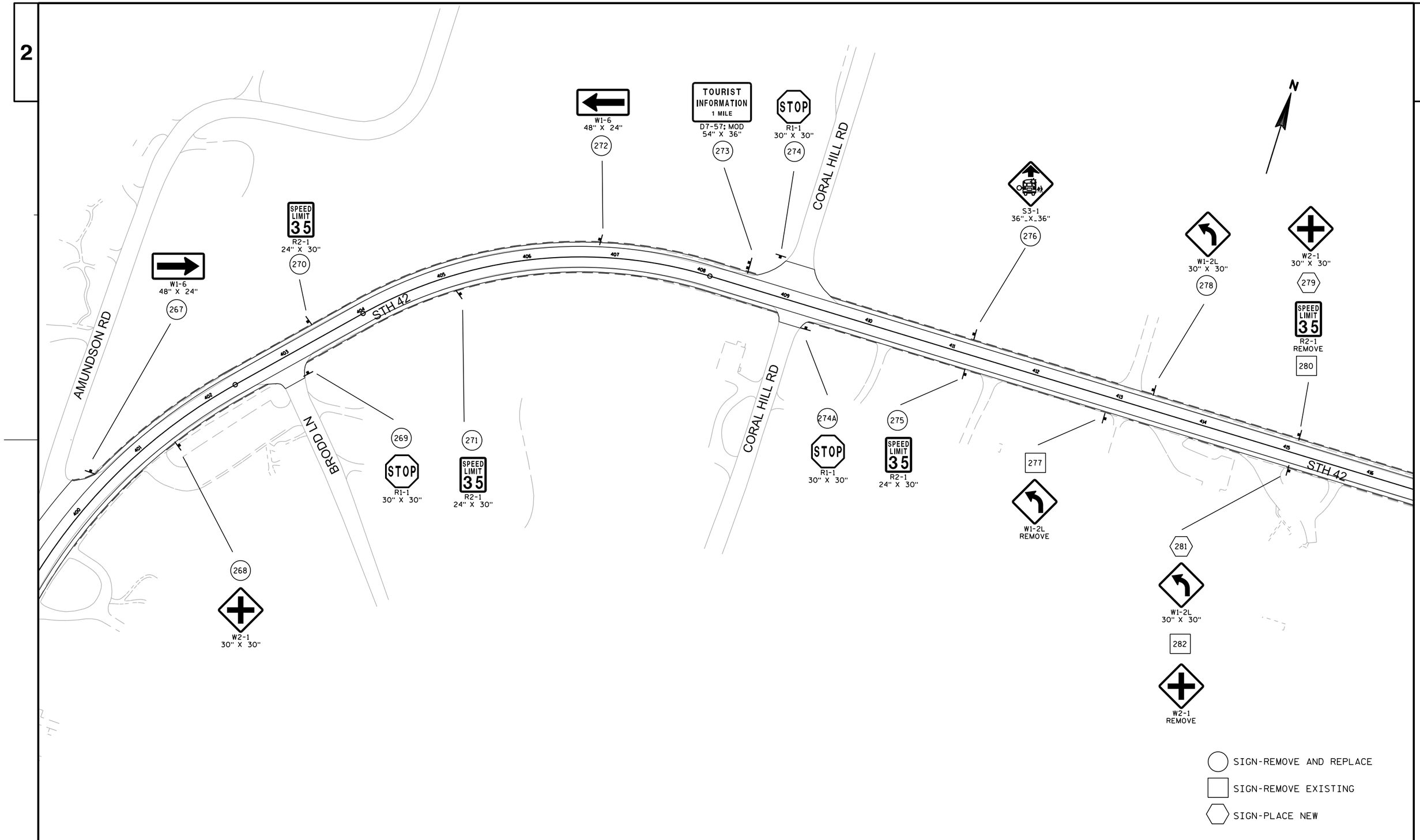
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET E

2



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY:DOOR	PERMANENT SIGNING	SHEET E

2

N

SPEED LIMIT 35
R2-1
24" X 30"
283

W2-1
REMOVE
283A

284

W2-1
30" X 30"

SOUTH 42 SCENIC BYWAY
J4-2
REMOVE
285

STOP
R1-1
30" X 30"
287

ORCHARD ST

286

W1-6
48" X 24"

288

STOP
R1-1
30" X 30"

SPEED LIMIT 35
R2-1
24" X 30"
289

NO ENGINE BRAKING EXCEPT IN EMERGENCY
R10-64B
TO REMAIN

S3-1
36" X 36"
291

W2-1
30" X 30"
292

W1-2R
30" X 30"
293

290

SPEED LIMIT 45
R2-1
24" X 30"

STH 42

417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433

SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET E

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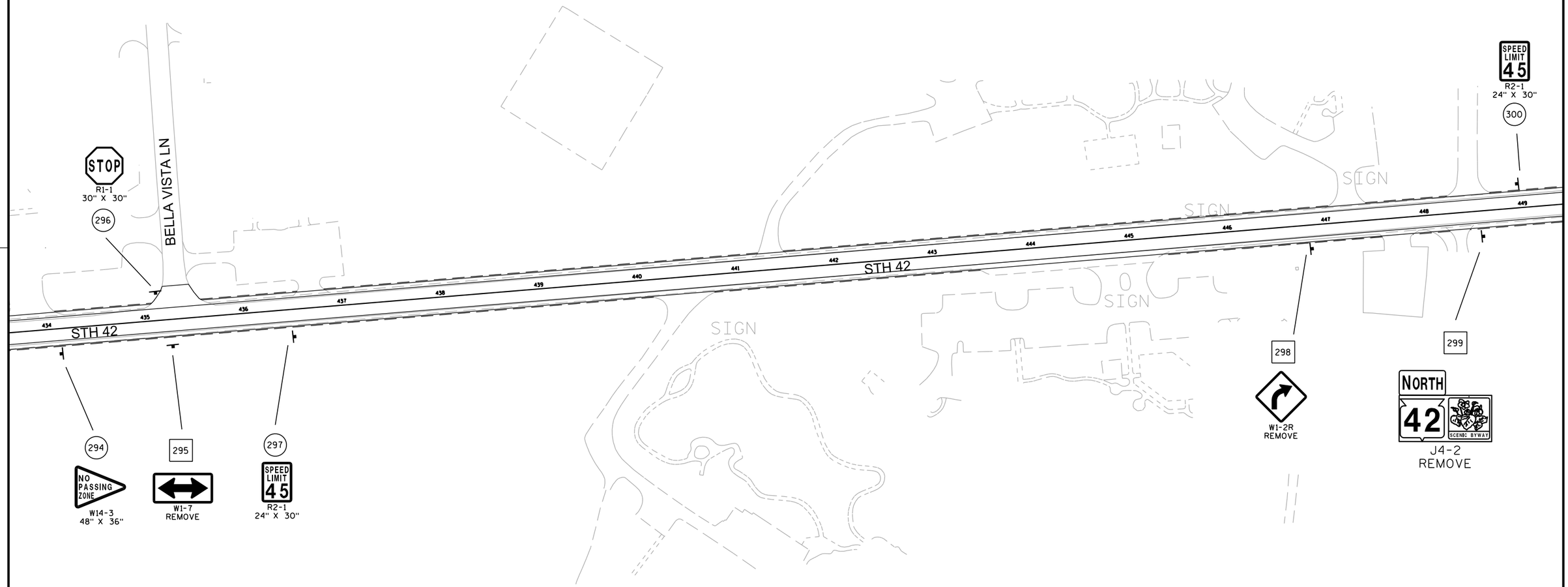
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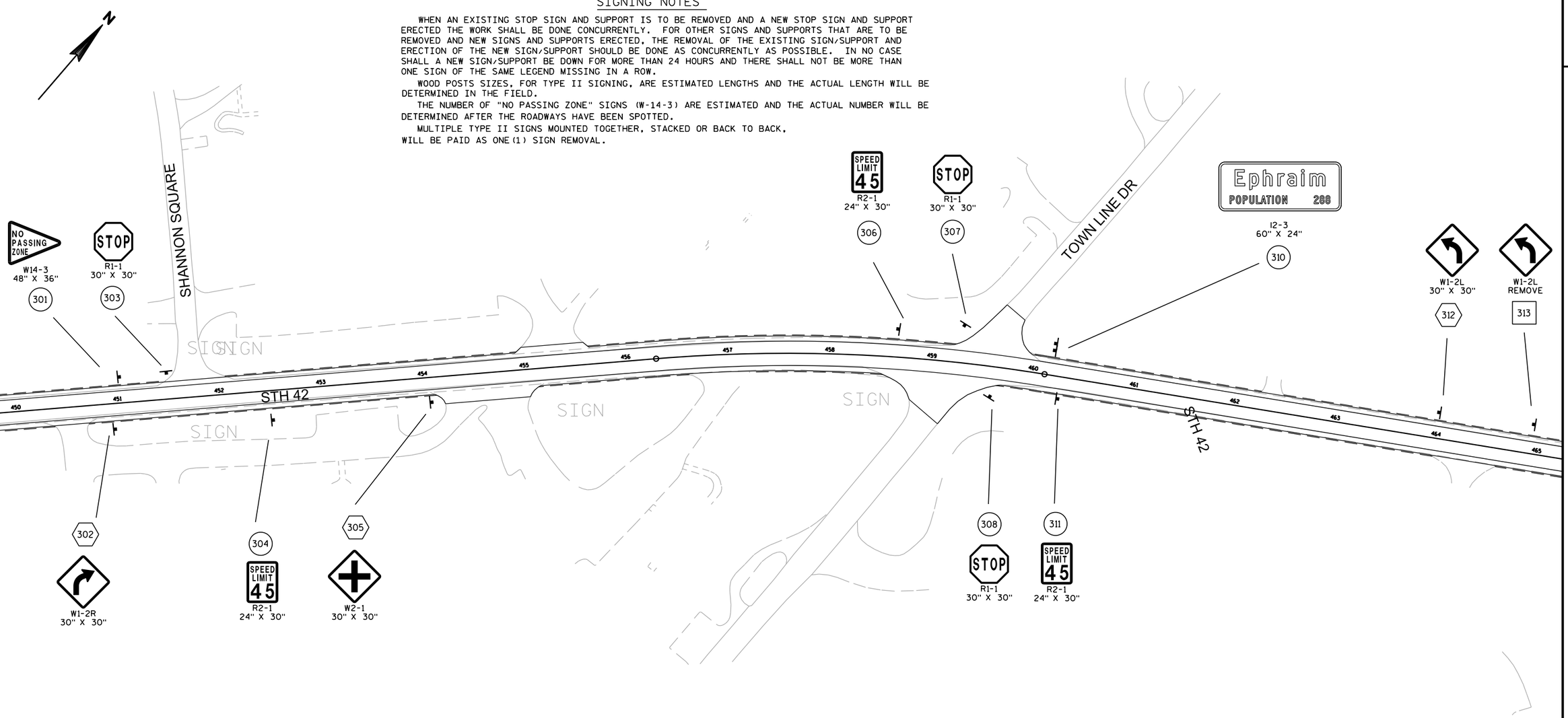
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY:DOOR	PERMANENT SIGNING	SHEET 138 E

2

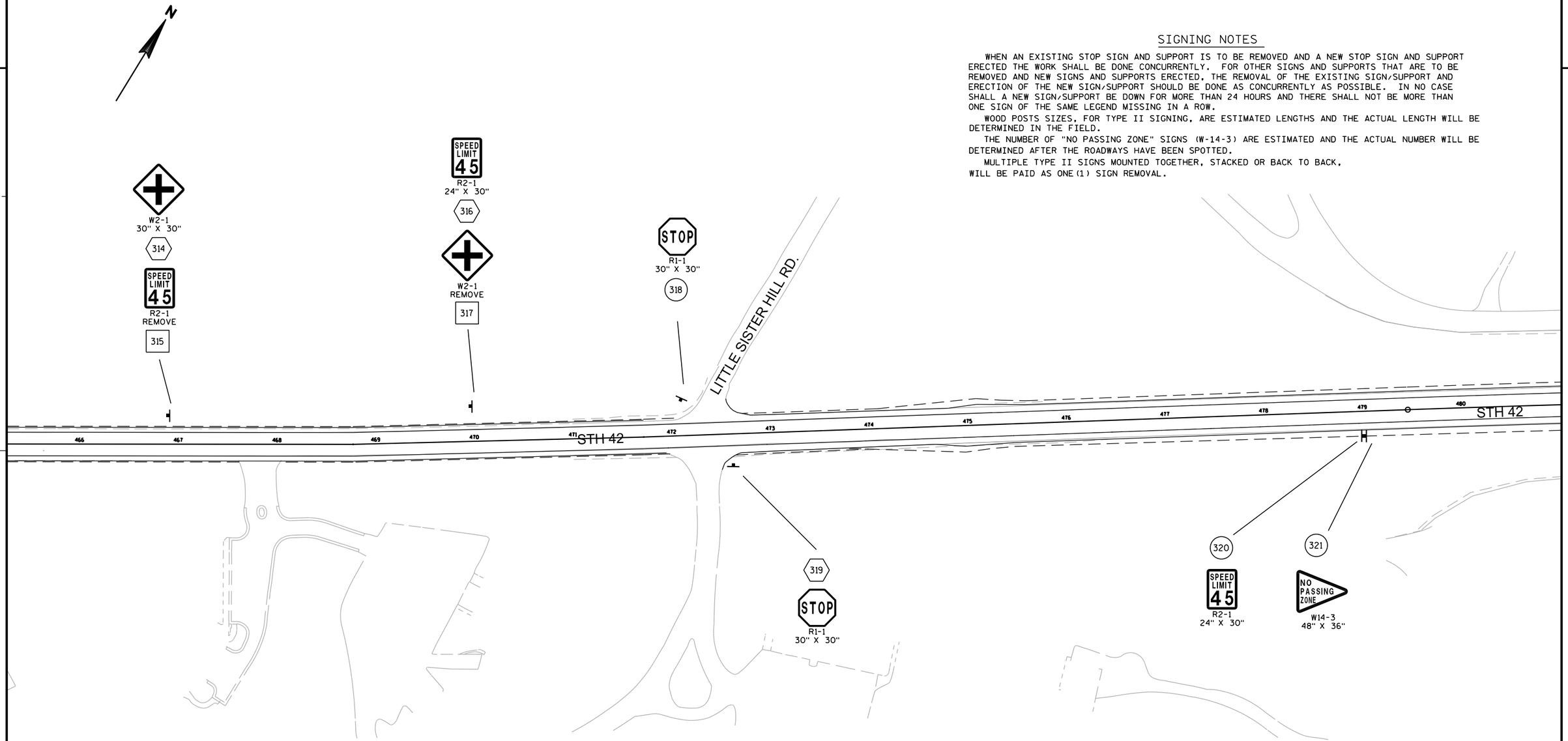
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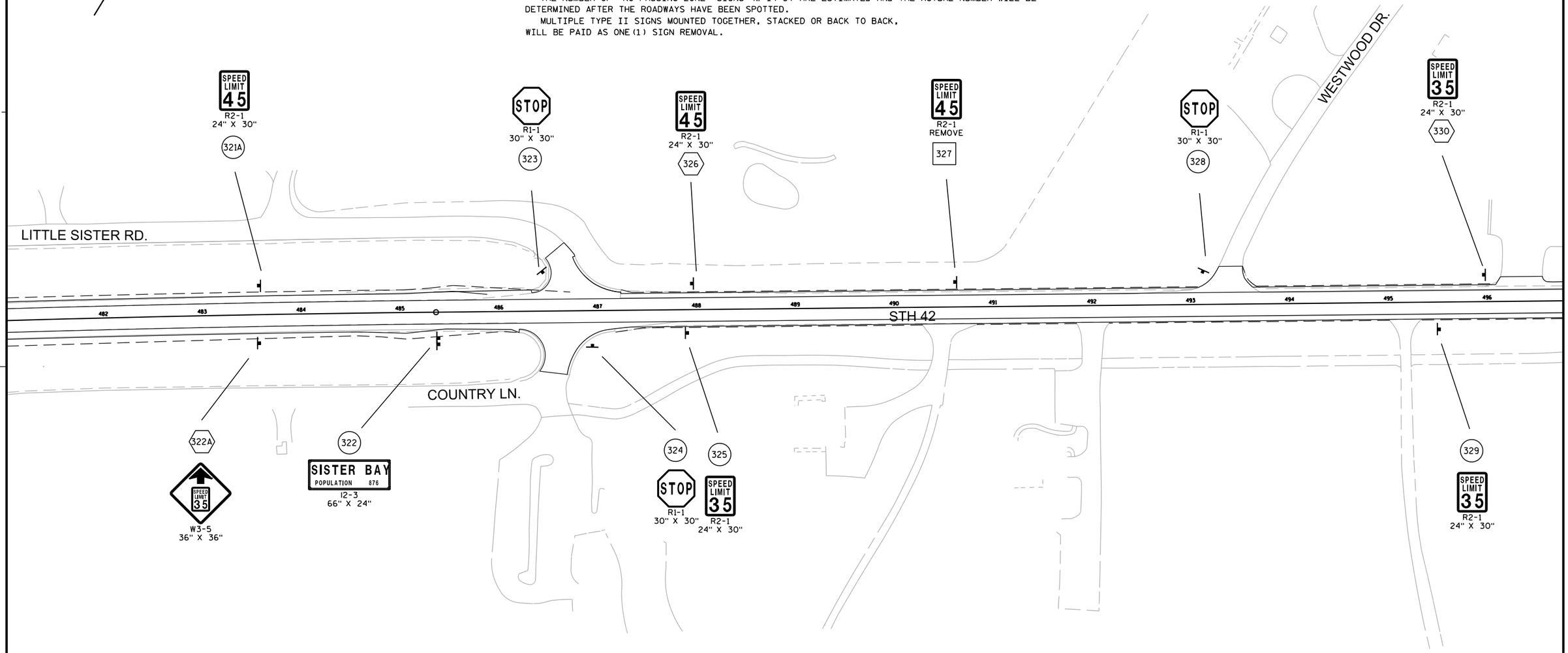
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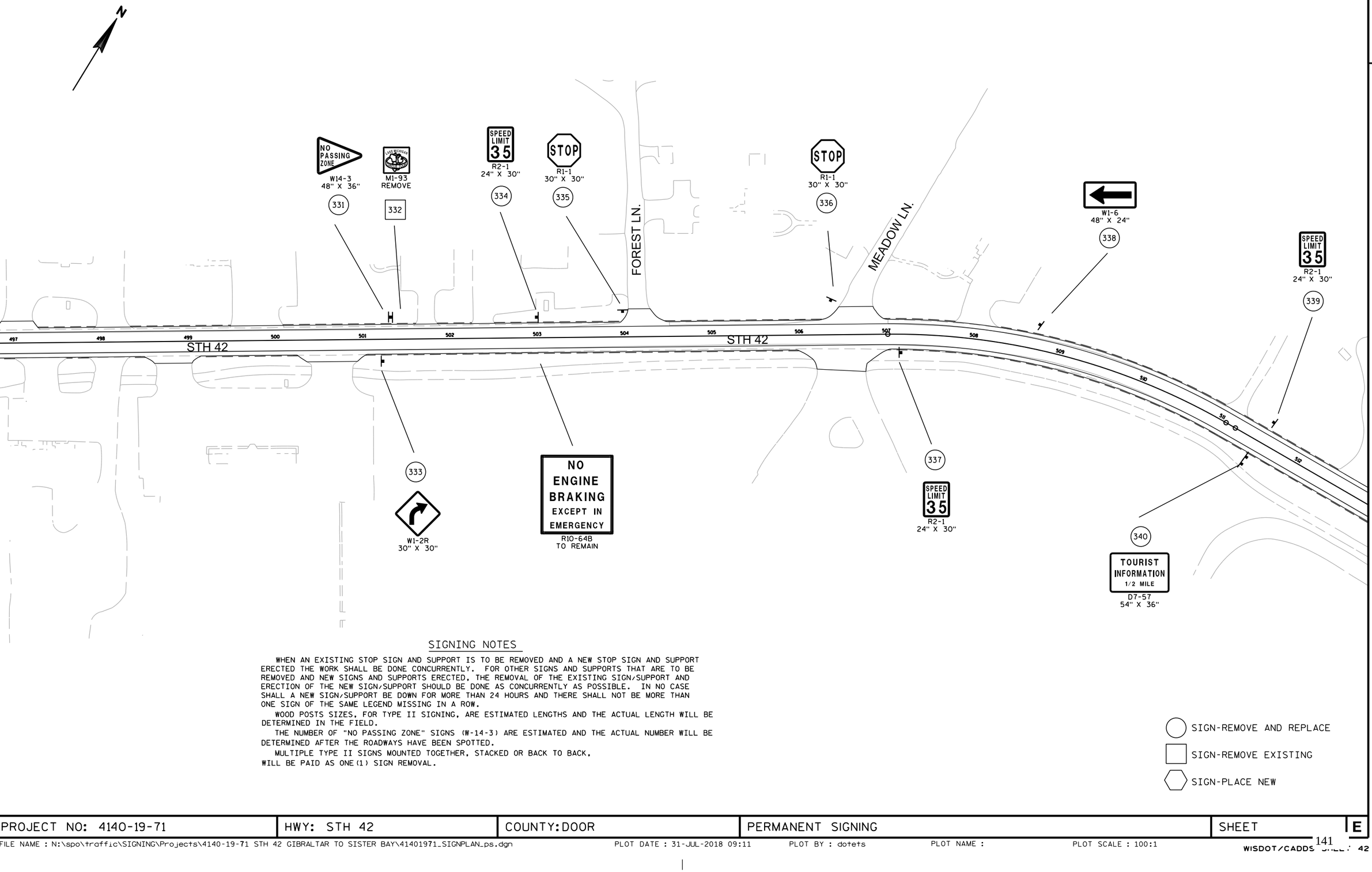
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SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET 140	E

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N

W1-2L
30" X 30"
341

SPONSOR
VILLAGERS
SNOWMOBILE
CLUB
I55-56
30"_X_36"
INCLUDE NEW
BRACKET
PER SIGN PLATE
I55-56B
342

SPEED LIMIT 35
R2-1
24" X 30"
344

STOP
R1-1
30" X 30"
346

HIGHLAND RD.

SIGN

SIGN

SIGN

SIGN

513 514 515 516 517 518 519 520 521 522 523 524 525 526 527

STH 42

STH 42

BIKE PATH SIGN

343
STOP
R1-1
30" X 30"

FIELDCREST RD.

HIGHLAND RD.

345
STOP
R1-1
30" X 30"

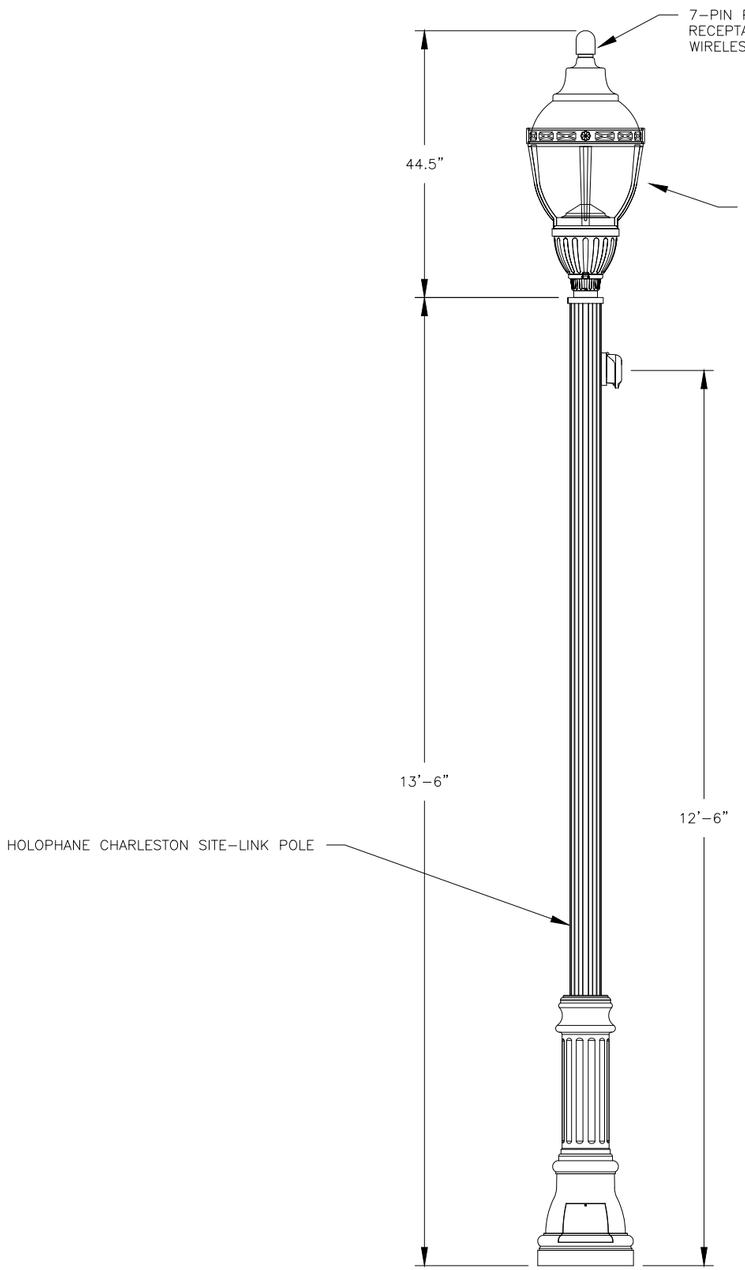
347
SPEED LIMIT 30
R2-1
24" X 30"

348
W1-1L
36" X 36"

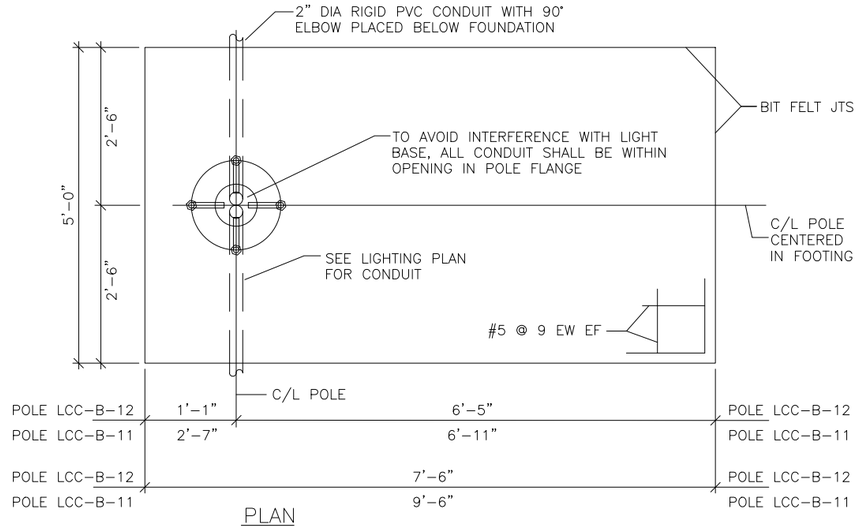
349
NO PASSING ZONE
W14-3
48" X 36"

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET	E

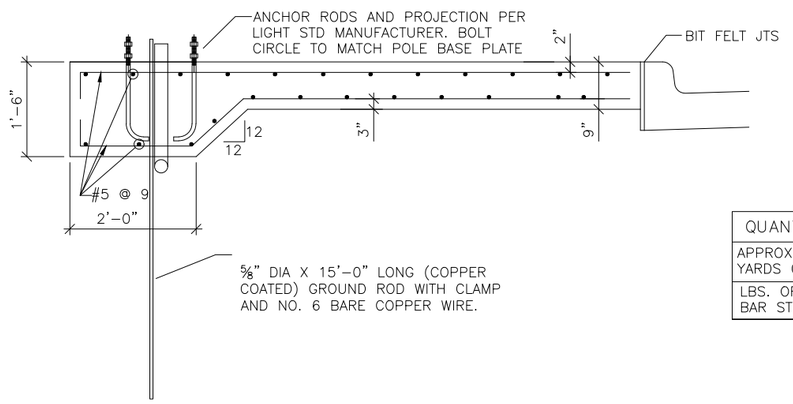
EQUIPMENT SCHEDULE – FOR INFORMATION ONLY					
SYMBOL	DESCRIPTION	LAMP SOURCE	MOUNTING	OPTICS	MANUFACTURER & SERIES #
	LIGHTING UNIT TYPE SPECIAL ACORN STYLE LED LUMINAIRE WITH WIRELESS COMMUNICATION NODE ON SITE LINK FLUTED ALUMINUM POLE W/ 20A WR–RATED GFCI RECEPTACLE W/ METTALLIC IN–USE COVER	79 WATT 36 LED 3000K	13'–6" POLE ON LIGHT BASE TYPE SPECIAL	TYPE III	SUN VALLEY – LUMINAIRE: CS7475–36PLED–III–W–700MA–WW–7PIN HOLOPHANE – POLE: CH–A–13.5–L5J–16–P07–ABG–BK–FGUIS



LIGHTING UNIT TYPE SPECIAL
(FOR INFORMATION ONLY)



PLAN



ELEVATION

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	1.65
LBS. OF HORIZONTAL BAR STEEL	275

CONCRETE BASE TYPE SPREAD FOOTING DETAILS
(SEE CONCRETE BASE TYPE SPECIAL GENERAL NOTES ON NEXT SHEET)

2

GENERAL NOTES

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER EXCEPT WHEN EXCAVATING WITHIN 18–INCHES OF UNDERGROUND UTILITIES. WHEN EXCAVATING WITHIN 18–INCHES OF UTILITIES THE BASE SHALL BE DUG BY HAND.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

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

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE PROVIDED BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) ANCHOR RODS BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.

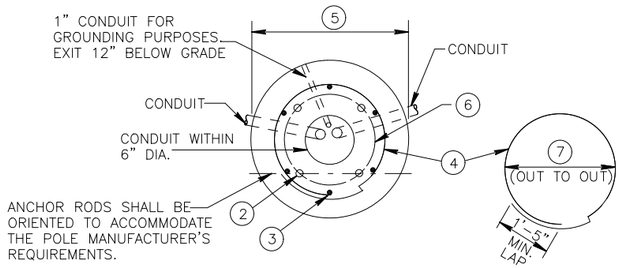
(3) (6) NO. 4 X 4'–8" BAR STEEL REINFORCEMENT.

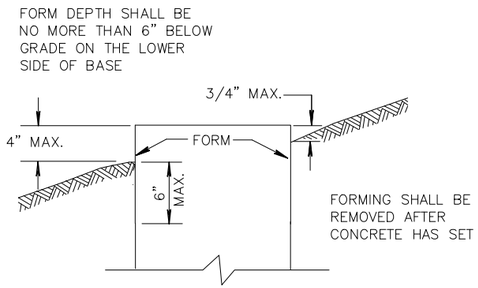
(4) (5) NO. 4 X 6'–2" BAR STEEL REINFORCEMENT @ 1'–0" C–C.

(5) 2'–0".

(6) BOLT CIRCLE PER POLE MANUFACTURER'S REQUIREMENTS.

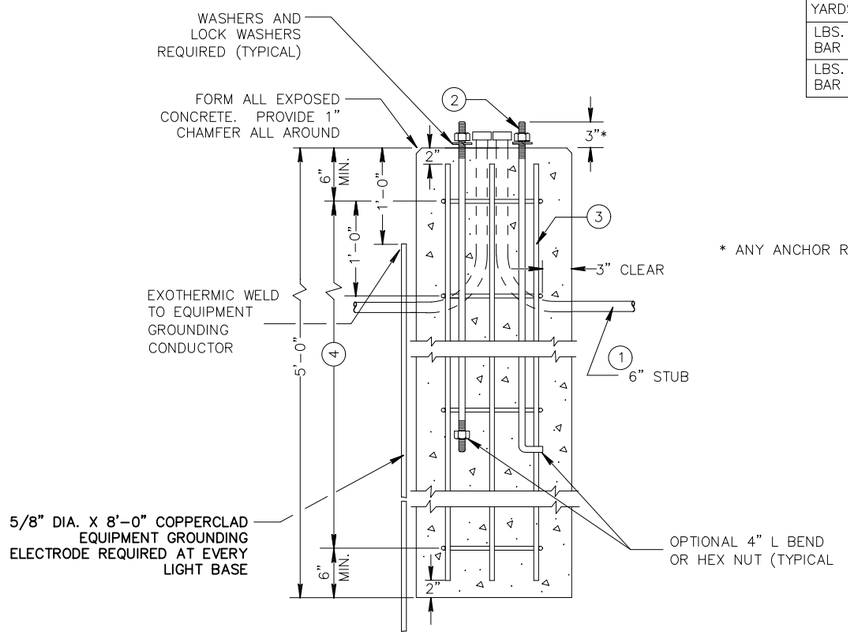
(7) 1'–6".





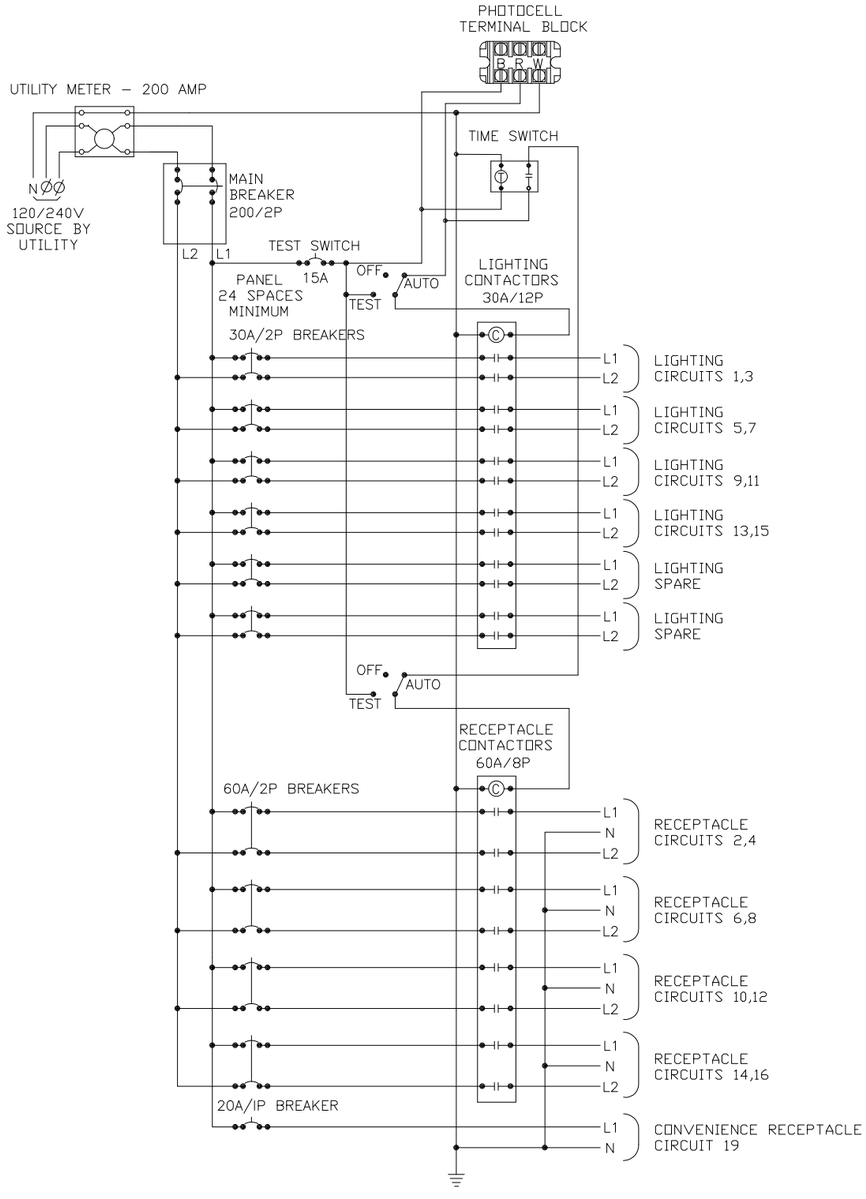
FORMING DETAIL

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.6
LBS. OF HOOP BAR STEEL	21
LBS. OF VERTICAL BAR STEEL	18

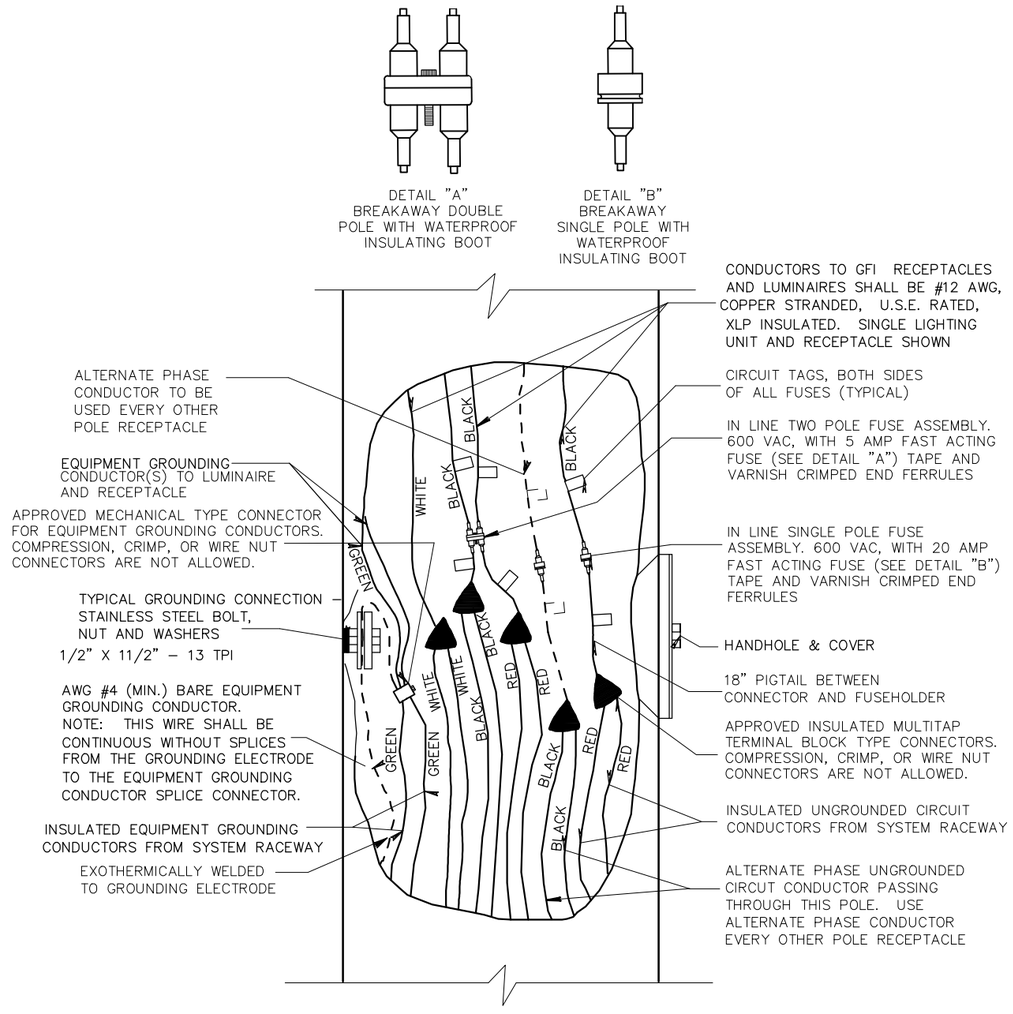


* ANY ANCHOR ROD PROJECTION SHALL BE PER MANUFACTURER'S REQUIREMENTS.

CONCRETE BASE TYPE SPECIAL



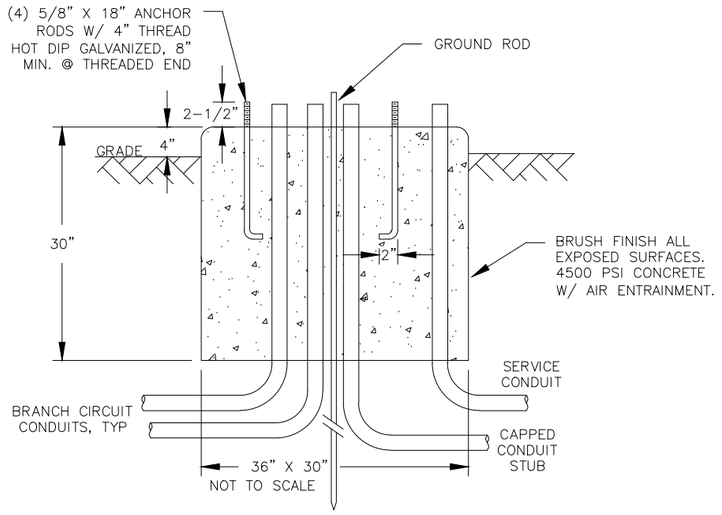
SERVICE CABINET "A" & "B" SCHEMATIC



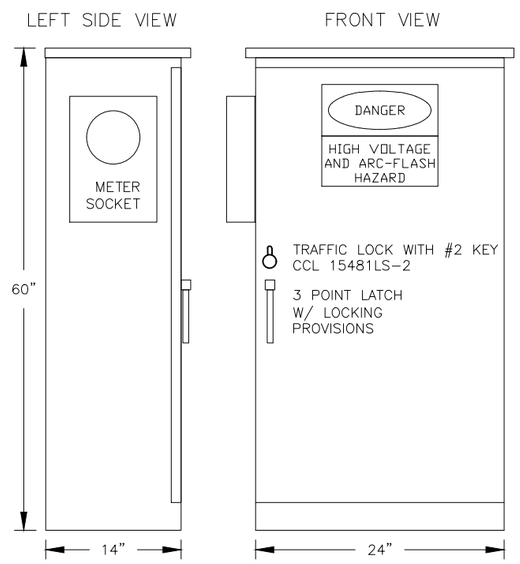
2 WIRE – 240 VAC (UNGROUNDED CONDUCTOR)
AND
3 WIRE – 120 VAC (UNGROUNDED CONDUCTOR)
WITH GROUNDED CONDUCTOR AND
WITH EQUIPMENT GROUNDING CONDUCTOR
FOR GFI RECEPTACLES

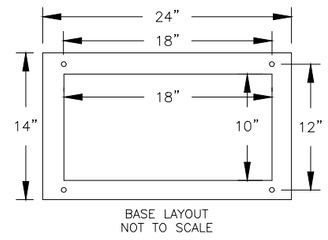
NOTE: REFER TO S.D.D. "NON–FREEWAY LIGHTING UNIT POLE WIRING" FOR FUSING INFORMATION

2



CONCRETE CONTROL CABINET BASE TYPE SPECIAL





CABINET CONSTRUCTION

- -NEMA 3R
- -INTERIOR COMPONENTS MOUNTED ON BACK PANEL BEHIND DEAD FRONT
- -1/8" ANODIZED ALUMINUM (DURANODIC BLACK)
- -NEOPRENE GASKETED DOORS
- -STAINLESS STEEL HARDWARE
- -ETL LISTED IN ACCORDANCE WITH UL508A

SERVICE CABINET NOTES:

A. PROVIDE METER SOCKET PER UTILITY COMPANY REQUIREMENTS.

B. CIRCUIT BREAKERS SHALL BE 120/240 VOLT AC, 60Hz AND SHALL BE CLEARLY MARKED WITH THE "ON" AND "OFF" POSITIONS AND IDENTIFIED WITH THE LOAD WHICH IT IS CARRYING.

C. SHORT CIRCUIT RATING – 22,000 AIC SYMMETRICAL.

D. 3-POSITION SELECTOR SWITCH ALLEN BRADLEY #800T-J2A.

E. CIRCUIT CONTACTORS SHALL HAVE A 240 VOLT RATING, WITH 120 VOLT COIL.

F. PROVIDE PANEL WITH DIMENSIONS AS REQUIRED TO FIT EQUIPMENT PROPOSED.

G. PROVIDE A 25-OHM GROUND AT CABINET AS PER NEC.

H. TIME CLOCK SHALL BE NEMA 3R WITH A CAPACITOR BACK-UP, AUTOMATIC DAYLIGHT SAVINGS TIME, AND LEAP YEAR ADJUSTMENTS. TORK, MODEL E101B.

I. PROVIDE 20A WR-RATED GFCI RECEPTACLE MOUNTED TO CABINET DEAD-FRONT.

J. BOTH PHOTOCONTROL AND ITS SOCKET SHALL BE 3 TERMINAL, POLARIZED, TWIST-LOCK TYPE. IT SHALL BE EQUIPPED WITH A MOVRO TYPE LIGHTNING ARRESTER.

K. CABINET SHALL BE MANUFACTURED BY POVOLNY SPECIALTIES INC. 651.452.7335.

L. COORDINATE SERVICE CONNECTIONS WITH WISCONSIN PUBLIC SERVICE.

LIGHTING CONTROL CABINET TYPE SPECIAL DETAILS

LEGEND	
	EXISTING LIGHTING CONTROL CABINET
— — —	EXISTING CIRCUITRY
	EXISTING LIGHTING UNIT

GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

MAIN ST
SPRUCE ST
STH 42
BLUFF LN
BEGIN PROJECT
STA 96+50.00
Y=265,015.713
X=527,544.501
PT: 96+01.59
PI: 100+00.00
96+00
97+00
98+00
99+00
100+00
101+00
102
X-1
X-2
X-3
MATCHLINE STA 102+00.00

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 147 E

GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

MATCHLINE STA 102+00.00

MATCHLINE STA 108+00.00

STH 42

HILL ST

X-4 X-5 X-6 X-7 X-8

102+00 103+00 104+00 105+00 106+00 107+00 108

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME - 021202-PD
PLOT DATE : 7/31/2018 5:32 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 42

2

2

GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

N

MATCHLINE STA 108+00.00

MATCHLINE STA 114+00.00

STH 42

108+00 109+00 110+00 111+00 112+00 113+00 114+00

X-9

X-10

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT

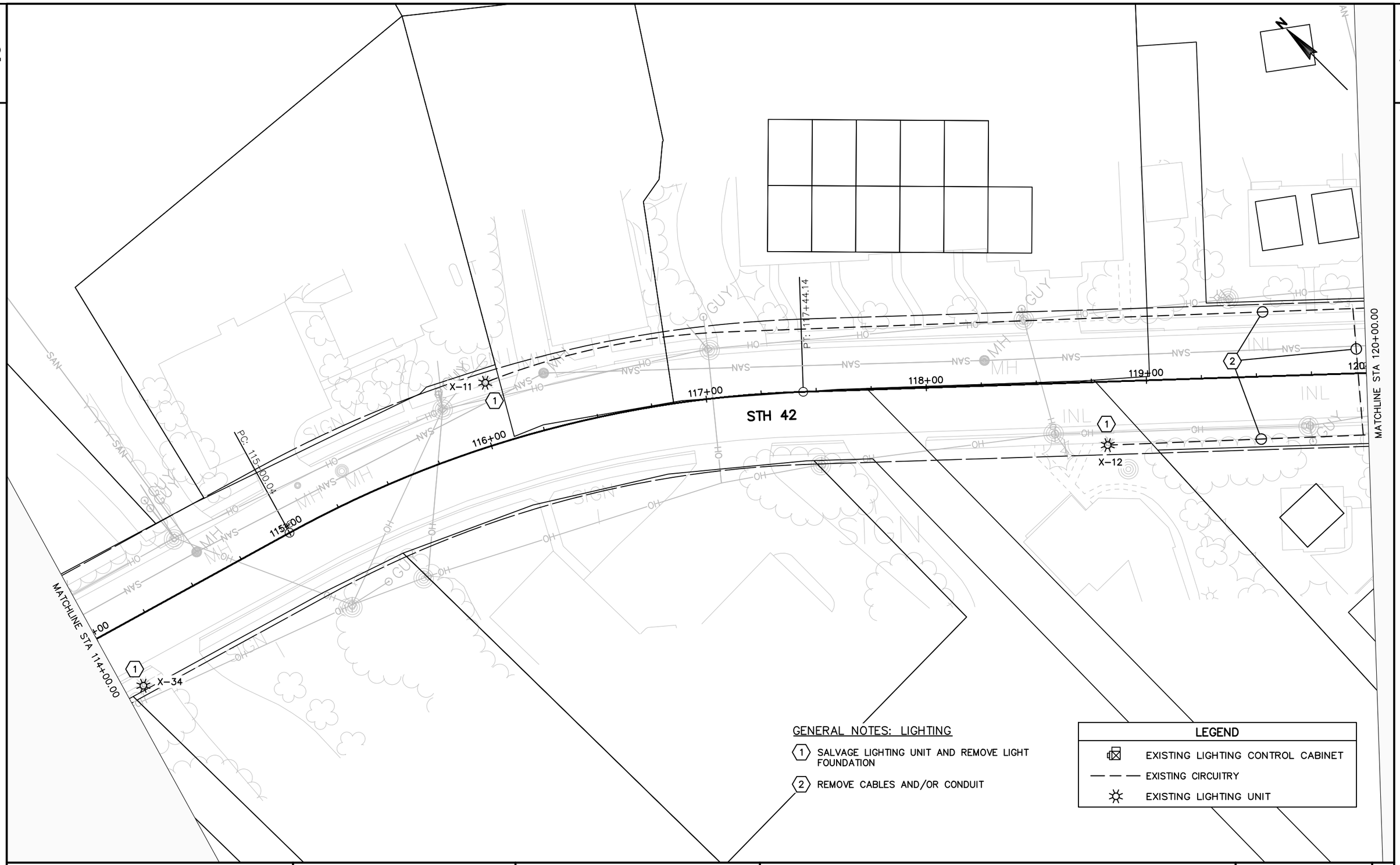
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 149	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME - 021203-PD

PLOT DATE : 7/31/2018 5:32 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDS SHEET 42

2



GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 150	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME - 021204-PD
PLOT DATE : 7/31/2018 5:32 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA 120+00.00

MATCHLINE STA 126+00.00

PC: 120+23.13

PT: 122+02.44

PC: 125+42.87

121+00

122+00

123+00

124+00

125+00

126

STH 42

X-13

X-14

X-15

GUY

SIGN

MH

FOUND

U/C

GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 151	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME - 021205-PD
PLOT DATE : 7/31/2018 5:32 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA 11+00.00

MATCHLINE STA 126+00.00

MATCHLINE STA 132+00.00

SHORE ROAD

STH 42

11°58'

PT: 12+63.90

PC: 131+13.78

X-16

X-17

X-18

X-19

X-20

126+00

127+00

128+00

129+00

130+00

131+00

132

SIGN

GUY

MH

INL

SAN

OH

HO

U/C

GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 152	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME - 021206-PD

PLOT DATE : 7/31/2018 5:33 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDS SHEET 42

2

N

STH 42

133+00 134+00 135+00 136+00 137+00

MATCHLINE STA 132+00.00

MATCHLINE STA 138+00.00

X-21 X-22 X-23

GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME - 021207-PD

PLOT DATE : 7/31/2018 5:33 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MATCHLINE STA 138+00.00

MATCHLINE STA 144+00.00

STH 42

138+00

139+00

140+00

141+00

142+00

143+00

144

PC: 142+11.93

X-24

X-25

X-26

ATHLETIC FIELD

SIGN

ANT.

STH 42

GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 154	E

2

N

MATCHLINE STA 144+00.00

144+00

145+00

146+00

147+00

148+00

149+00

MATCHLINE STA 149+50.00

STH 42

STH 42

10"CF" +50

11"CF" +00

X-27

X-28

X-29

PT: 146+65.15

PC: 148+72.22

SAN

OH

HO

GUY

SIGN

MH

GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

LEGEND	
	EXISTING LIGHTING CONTROL CABINET
— — —	EXISTING CIRCUITRY
	EXISTING LIGHTING UNIT

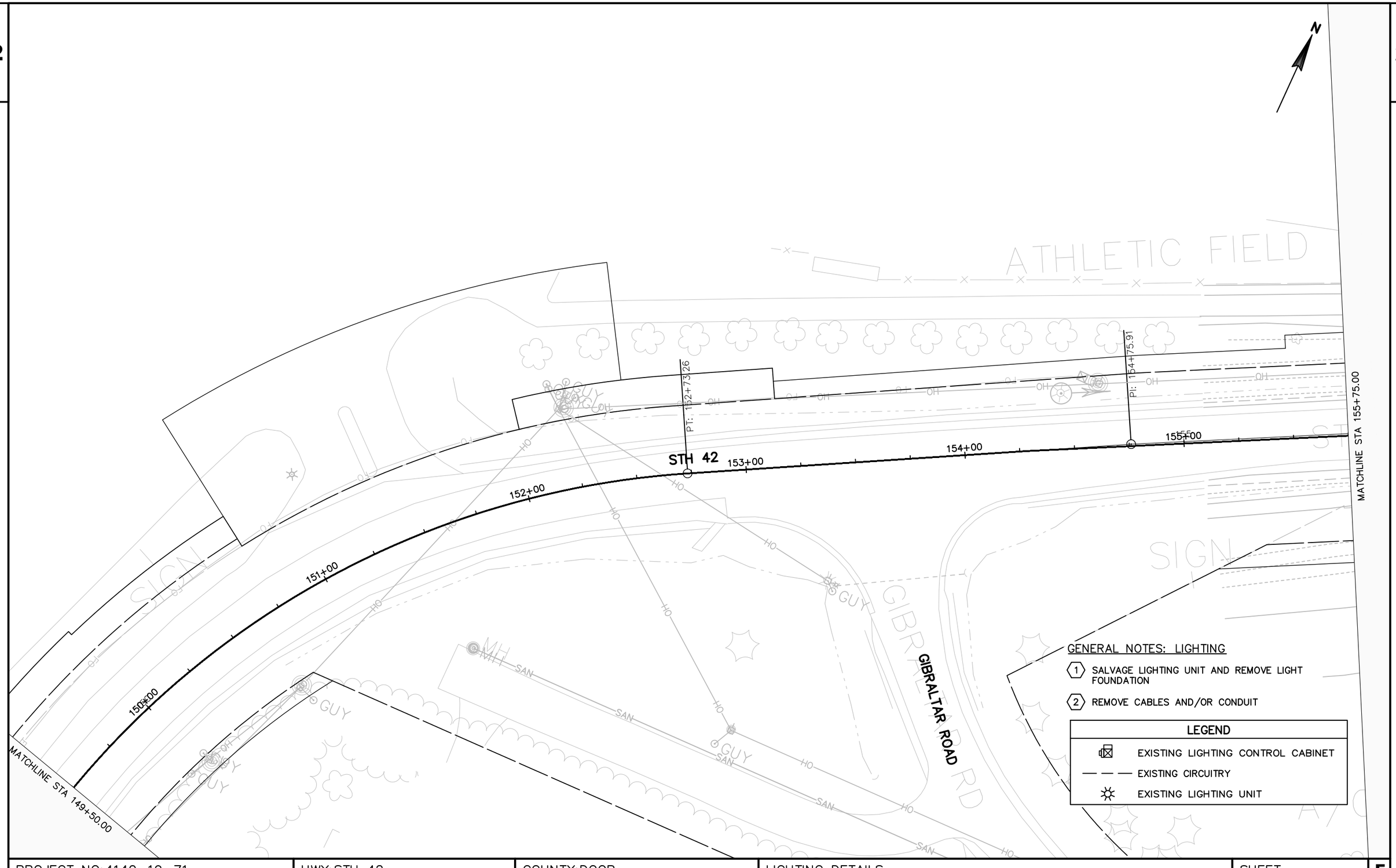
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 155	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME - 021209-PD

PLOT DATE : 7/31/2018 5:34 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDS SHEET 42

2



GENERAL NOTES: LIGHTING

1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

LEGEND	
	EXISTING LIGHTING CONTROL CABINET
	EXISTING CIRCUITRY
	EXISTING LIGHTING UNIT

PROJECT NO: 4140–19–71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 156	E

2

N

MATCHLINE STA 155+75.00

STH 42

156+00 157+00 158+00 159+00 160+00 161+00

GUY

OH

SAN

MH

FLAG

GENERAL NOTES: LIGHTING

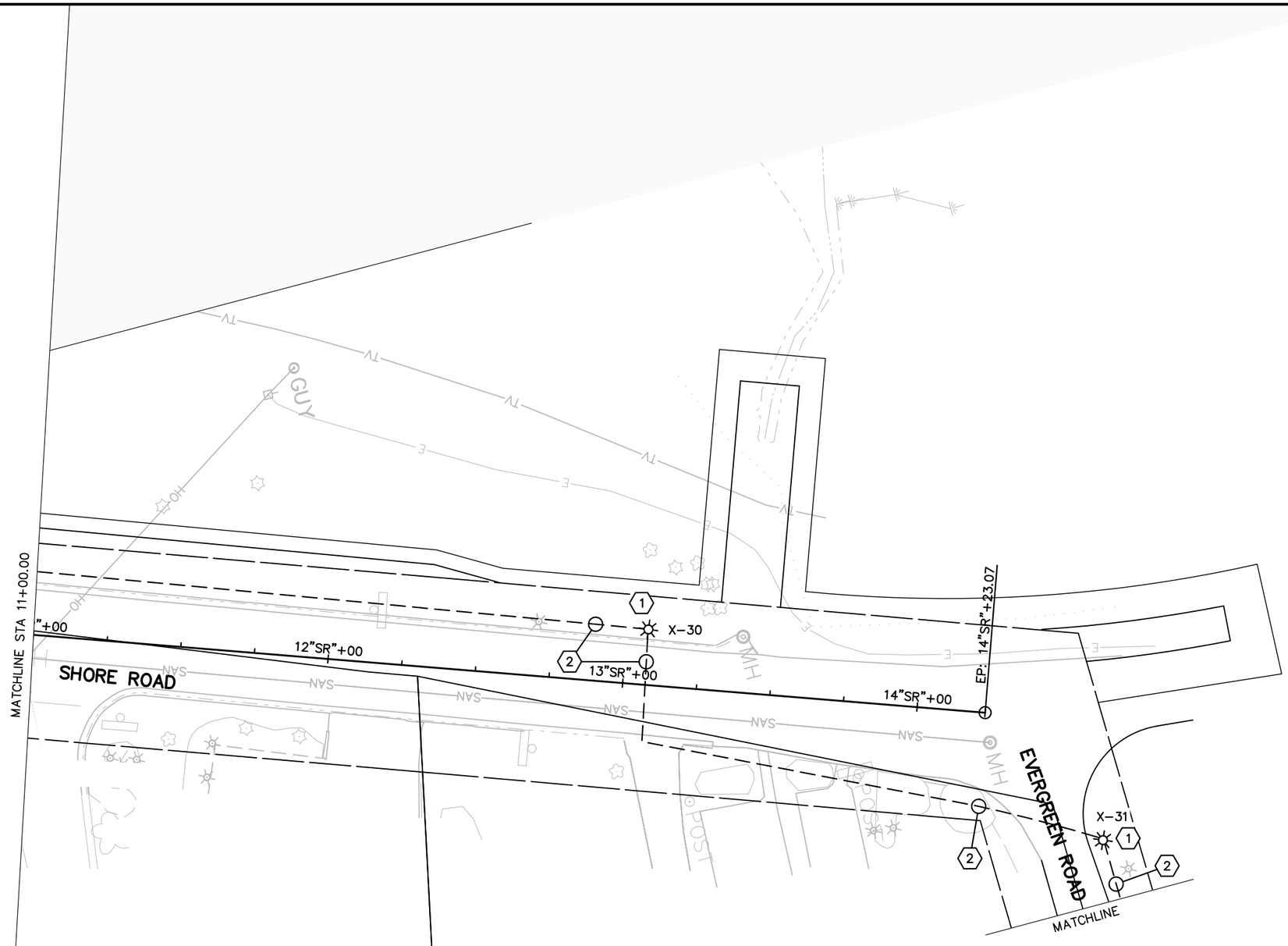
1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

LEGEND	
	EXISTING LIGHTING CONTROL CABINET
— — —	EXISTING CIRCUITRY
	EXISTING LIGHTING UNIT

PROJECT NO: 4140–19–71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 157	E

FILE NAME : \\SP3020–1\PROJECTS\FJ\G\GIBRA\139954\5–FINAL–DSGN\51–DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME – 021211–PD
PLOT DATE : 7/31/2018 5:34 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 42

2



GENERAL NOTES: LIGHTING

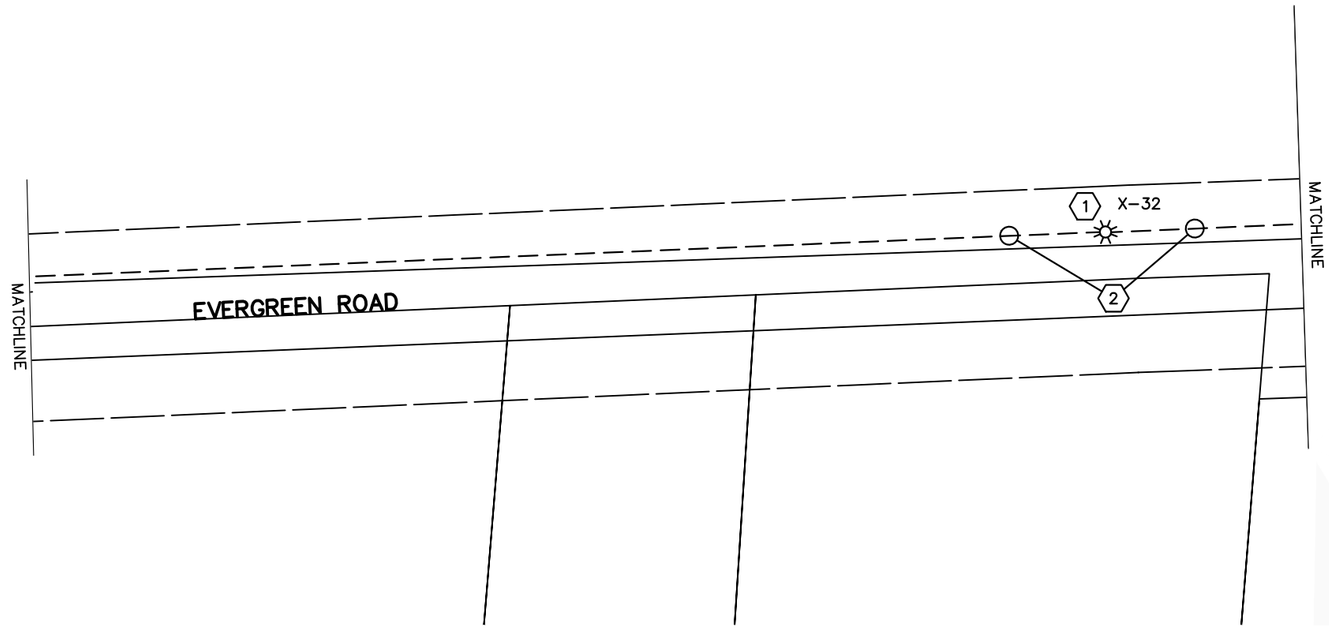
1. SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
2. REMOVE CABLES AND/OR CONDUIT

LEGEND

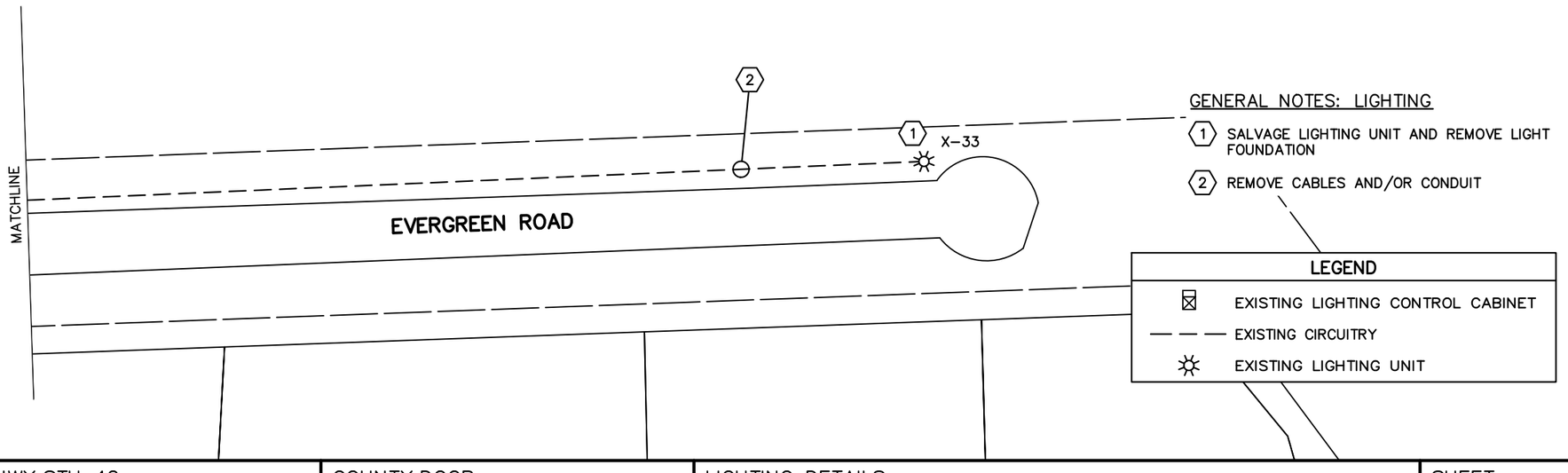
- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 158	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME - 021206-PD
PLOT DATE : 7/31/2018 5:34 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



2



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 159	E

2

LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

LT-BT-(L-13-0000-___)
- LUMINAIRE TYPE
- BASE TYPE
- LIGHTING UNIT NUMBER

N

MAIN ST

SPRUCE ST

STH 42

BLUFF LN

BEGIN PROJECT
STA 96+50.00
Y=265,015.713
X=527,544.501

PT: 96+10.59

STA 97+54, 29.2'RT
LED-SPECIAL-(LCC-A-1)

STA 98+47, 28.1'RT
LED-SPECIAL-(LCC-A-2)

STA 99+52, 30.6'LT
LED-SPECIAL-(LCC-A-3)

PI: 100+00.00
BP: 100+00.00

STA 100+26, 40.7'LT
LED-SPECIAL-(LCC-A-5)

STA 100+36, 24.6'LT
LED-SPECIAL-(LCC-A-4)

STA 100+47, 27.6'RT
LED-SPECIAL-(LCC-A-6)

EP: 101+00.00

STA 101+26, 23.5'LT
LED-SPECIAL-(LCC-A-7)

96+00
97+00
98+00
99+00
100+00
101+00
102+00

MATCHLINE STA 102+00.00

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 160	E

2

2

N

MATCHLINE STA 102+00.00

MATCHLINE STA 108+00.00

STA 103+18, 29.8'LT
LED-SPECIAL-(LCC-A-9)

LIGHT SHALL BE PLACED WEST OF EXISTING STONE PILLAR

STA 105+43, 28.6'LT
LED-SPECIAL-(LCC-A-11)

STA 107+47, 28.6'LT
LED-SPECIAL-(LCC-A-13)

+00 103+00 104+00 105+00 106+00 107+00 108

STH 42

HILL ST

STA 102+32, 26.8'RT
LED-SPECIAL-(LCC-A-8)

STA 104+38, 27.4'RT
LED-SPECIAL-(LCC-A-10)

STA 106+47, 25.4'RT
LED-SPECIAL-(LCC-A-12)

LUMINAIRE TYPE
BASE TYPE

LT-BT-(L-13-0000-___)

LIGHTING UNIT NUMBER

LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021202-PD
PLOT DATE : 7/31/2018 5:40 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

2" NMC,
(4)#6 (LIGHTING),
(6)#4 (RECEPTACLES),
& (2)#6 GND

STA 109+44, 36.2'LT
LED-SPECIAL-(LCC-A-15)

STA 111+56, 29.0'LT
LED-SPECIAL-(LCC-A-17)

STA 113+52, 28.8'LT
LED-SPECIAL-(LCC-A-19)

LPB1

MATCHLINE STA 108+00.00

STH 42

109+00 110+00 111+00 112+00 113+00 114+

MATCHLINE STA 114+00.00

STA 108+71, 25.3'RT
LED-SPECIAL-(LCC-A-14)

STA 110+51, 25.1'RT
LED-SPECIAL-(LCC-A-16)

STA 112+74, 29.5'RT
LED-SPECIAL-(LCC-A-18)

STA 113+82, 29.2'RT
LIGHTING CABINET LCC-A

LUMINAIRE TYPE
BASE TYPE

LT-BT-(L-13-0000-____)

LIGHTING UNIT NUMBER

LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 162	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021203-PD
PLOT DATE : 7/31/2018 5:41 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

STA 115+48, 28.9'LT
LED-SPECIAL-(LCC-A-21)

STA 117+46, 28.4'LT
LED-SPECIAL-(LCC-A-23)

STA 119+31, 29.0'LT
LED-SPECIAL-(LCC-A-25)

STH 42

117+00

118+00

119+00

116+00

PC: 115+00.04

115+00

MATCHLINE STA 120+00.00

STA 118+41, 28.9'RT
LED-SPECIAL-(LCC-A-24)

STA 116+45, 29.0'RT
LED-SPECIAL-(LCC-A-22)

MATCHLINE STA 114+00.00

STA 114+50, 28.7'RT
LED-SPECIAL-(LCC-A-20)

LUMINAIRE TYPE
BASE TYPE

LT-BT-(L-13-0000-____)

LIGHTING UNIT NUMBER

LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 163	E

2

N

MATCHLINE STA 120+00.00

STA 120+90, 28.5'LT
LED-SPECIAL-(LCC-A-27)

PC: 120+23.13

STA 125+06, 29.7'LT
LED-SPECIAL-(LCC-B-2)

STA 123+22, 28.5'LT
LED-SPECIAL-(LCC-A-29)

PT: 122+02.44

PC: 125+42.87

121+00

122+00

123+00

124+00

125+00

126

MATCHLINE STA 126+00.00

STH 42

STA 120+38, 28.9'RT
LED-SPECIAL-(LCC-A-26)

STA 122+16, 27.4'RT
LED-SPECIAL-(LCC-A-28)

STA 124+29, 28.9'RT
LED-SPECIAL-(LCC-B-1)

MH

SIGN

U/C

FOUND

LUMINAIRE TYPE
BASE TYPE

LT-BT-(L-13-0000-___)

LIGHTING UNIT NUMBER

LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 164	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021205-PD
PLOT DATE : 7/31/2018 5:41 PM
PLOT BY : ANDREW FELBER
PLOT NAME :
PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA 11+00.00

11"SR

SHORE ROAD

LPB2

STA 10+77"SR", 34.9'LT
LED–SPECIAL–(LCC–B–40)

STA 127+25, 28.9'LT
LED–SPECIAL–(LCC–B–4)

PT: 127+63.3

STA 129+29, 29.0'LT
LED–SPECIAL–(LCC–B–6)

STA 131+25, 29.1'LT
LED–SPECIAL–(LCC–B–8)

PC: 131+13.78

MATCHLINE STA 126+00.00

+00

127+00

128+00

129+00

130+00

131+00

132

MATCHLINE STA 132+00.00

STH 42

STA 126+31, 29.2'RT
LED–SPECIAL–(LCC–B–3)

2" NMC,
(4)#6 (LIGHTING),
(6)#4 (RECEPTACLES),
& (2)#6 GND

STA 128+25, 28.6'RT
LED–SPECIAL–(LCC–B–5)

STA 130+33, 28.4'RT
LED–SPECIAL–(LCC–B–7)

LUMINAIRE TYPE
BASE TYPE

LT–BT–(L–13–0000–____)

LIGHTING UNIT
NUMBER

LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON–CONDUCTIVE 24x42–INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2–INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140–19–71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 165	E

2

2

STA 133+44, 28.8'LT
LED-SPECIAL-(LCC-B-10)

STA 134+32, 30.7'LT
LIGHTING CABINET LCC-B

STA 135+51, 24.9'LT
LED-SPECIAL-(LCC-B-12)

STA 137+84, 25.5'LT
LED-SPECIAL-(LCC-B-14)

STH 42

133+00
134+00
135+00
136+00
137+00

MATCHLINE STA 132+00.00

MATCHLINE STA 138+00.00

STA 132+40, 28.1'RT
LED-SPECIAL-(LCC-B-9)

2" NMC,
(4)#6 (LIGHTING),
(6)#4 (RECEPTACLES),
& (2)#6 GND

STA 134+51, 29.1'RT
LED-SPECIAL-(LCC-B-11)

STA 136+55, 25.5'RT
LED-SPECIAL-(LCC-B-13)

LUMINAIRE TYPE
BASE TYPE
LT-BT-(L-13-0000-____)
LIGHTING UNIT NUMBER

LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 166	E

2

2

N

MATCHLINE STA 138+00.00

MATCHLINE STA 144+00.00

STA 138+68, 25.5'RT
LED-SPECIAL-(LCC-B-15)

STA 139+66, 25.1'LT
LED-SPECIAL-(LCC-B-16)

STA 140+61, 25.5'RT
LED-SPECIAL-(LCC-B-17)

STA 141+75, 28.9'LT
LED-SPECIAL-(LCC-B-18)

STA 143+81, 33.5'LT
LED-SPECIAL-(LCC-B-20)

STA 142+90, 21.7'RT
LED-SPECIAL-(LCC-B-19)

PC 142+11.93

STH 42

138+00 139+00 140+00 141+00 142+00 143+00 144

ATHLETIC FIELD

LUMINAIRE TYPE
BASE TYPE
LT-BT-(L-13-0000-____)
LIGHTING UNIT NUMBER

LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021208-PD
PLOT DATE : 7/31/2018 5:43 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA 144+00.00

144+00

STA 144+83, 33.2'LT
LED-SPECIAL-(LCC-B-23)

STA 144+66, 46.3'RT
LED-SPECIAL-(LCC-B-22)

10"CF" +50

11"CF" +00

145+00

STH 42

STA 144+03, 45.6'RT
LED-SPECIAL-(LCC-B-21)

146+00

STA 146+41, 32.0'LT
LED-SPECIAL-(LCC-B-25)

PT 146+65.04

147+00

STA 147+85, 28.4'LT
LED-SPECIAL-(LCC-B-27)

PCC 148+72.22

148+00

149+00

STH 42

MATCHLINE STA 149+50.00

COUPLE TO EXISTING CONDUIT.
ROUTE NEW CIRCUITRY INTO EXISTING
LIGHTING UNIT AND CONNECT TO
EXISTING CIRCUITRY IN POLE BASE

STA 145+69, 21.9'RT
LED-SPECIAL-(LCC-B-24)

STA 147+56, 32.4'RT
LED-SPECIAL-(LCC-B-26)

STA 148+82, 32.9'RT
LED-SPECIAL-(LCC-B-28)

LUMINAIRE TYPE
BASE TYPE

LT-BT-(L-13-0000-___)

LIGHTING UNIT NUMBER

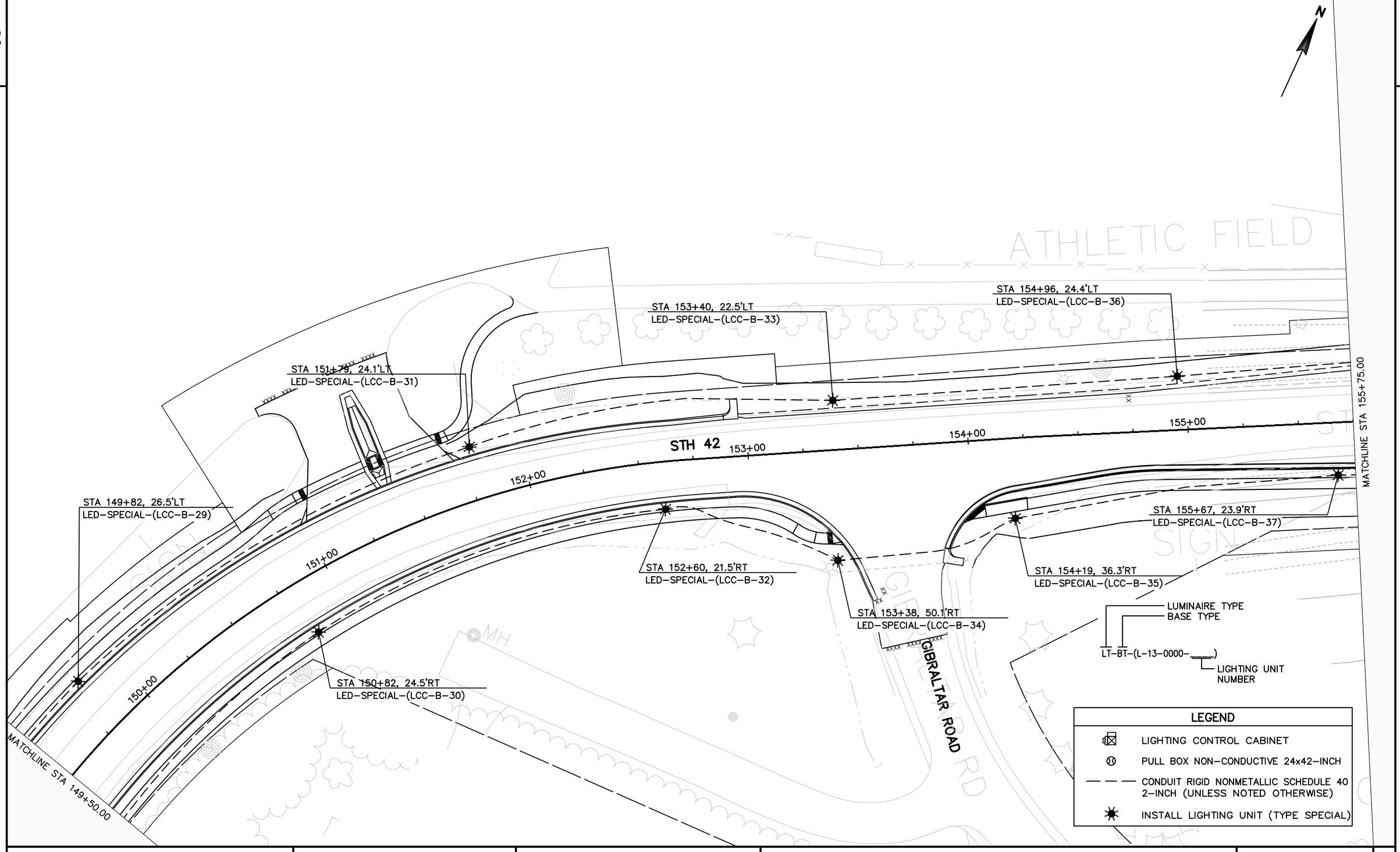
LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 168	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021209-PD
PLOT DATE : 7/31/2018 5:43 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 169	E

2

N

MATCHLINE STA 155+75.00

STA 156+93, 30.7'LT
LED-SPECIAL-(LCC-B-39)

STH 42

156+00

157+00

158+00

159+00

160+00

161+00

STA 156+36, 26.5'RT
LED-SPECIAL-(LCC-B-38)

LUMINAIRE TYPE
BASE TYPE

LT-BT-(L-13-0000-____)

LIGHTING UNIT NUMBER

LEGEND

- LIGHTING CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- INSTALL LIGHTING UNIT (TYPE SPECIAL)

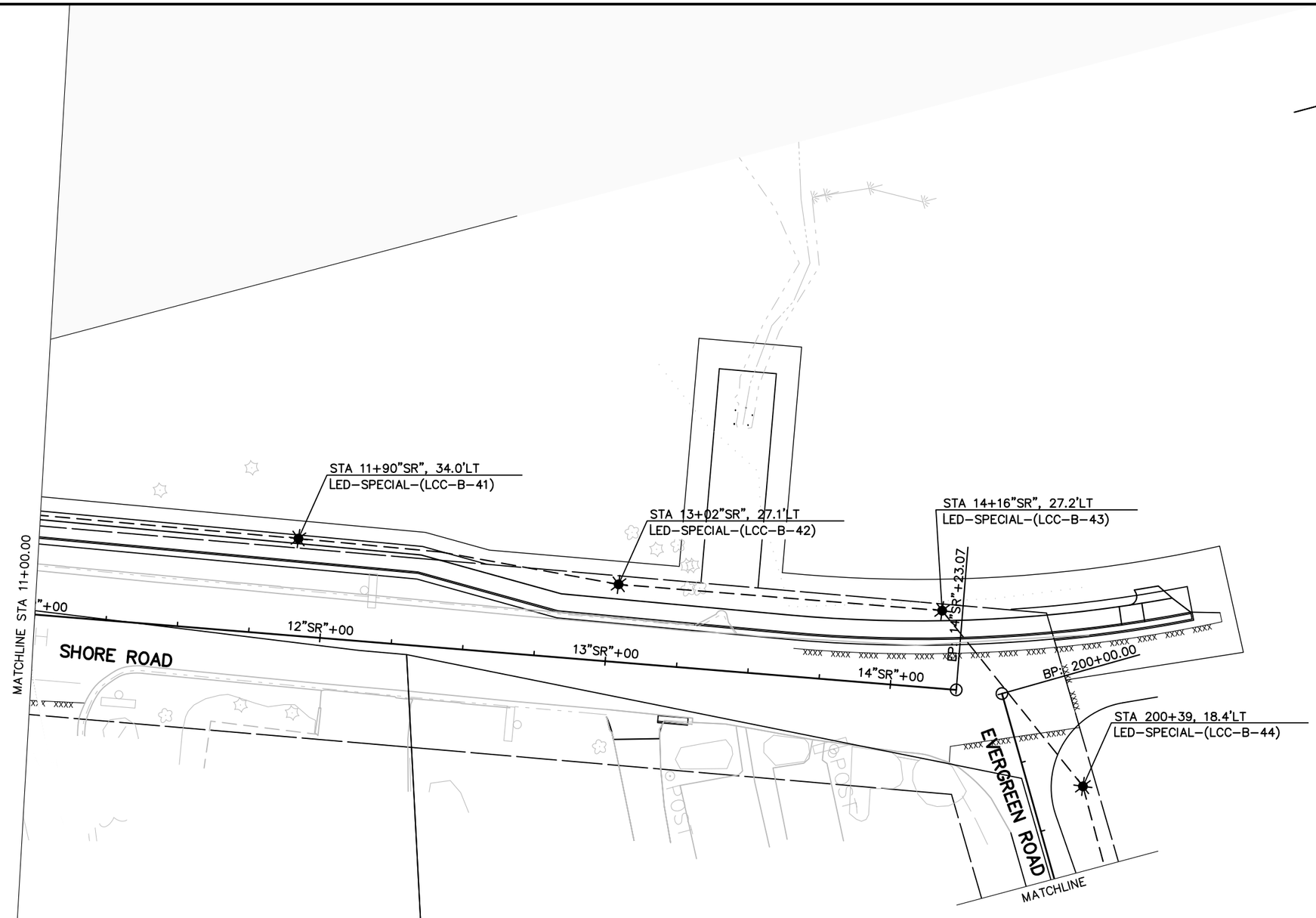
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 170	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021211-PD

PLOT DATE : 7/31/2018 5:44 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDS SHEET 42

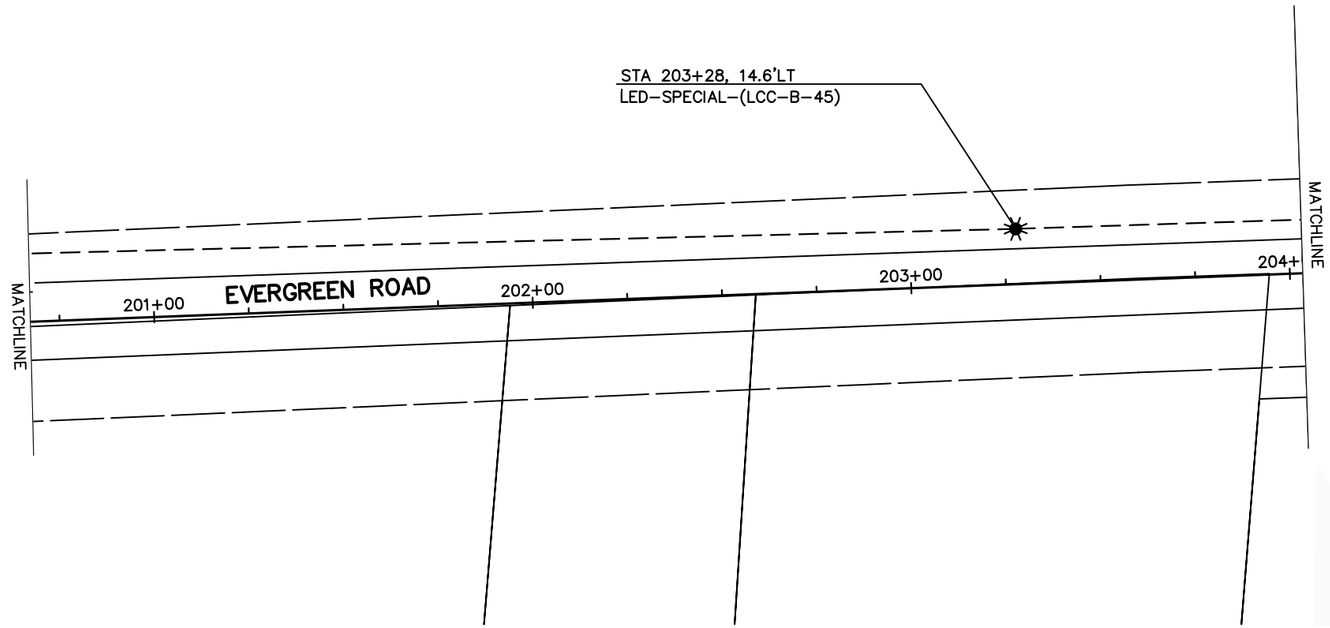
2

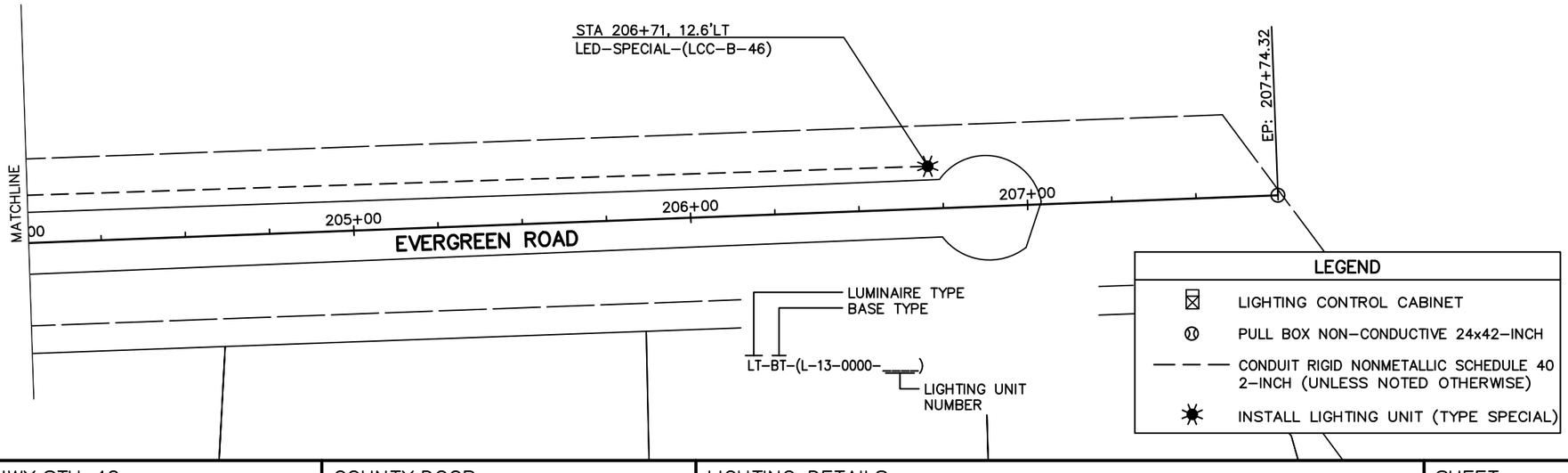


LEGEND	
	LIGHTING CONTROL CABINET
	PULL BOX NON-CONDUCTIVE 24x42-INCH
— — —	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
	INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 171	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021206-PD
PLOT DATE : 7/31/2018 5:44 PM PLOT BY : ANDREW FELBER PLOT NAME : PLOT SCALE : 1 IN: 40 FT
WISDOT/CADDS SHEET 42

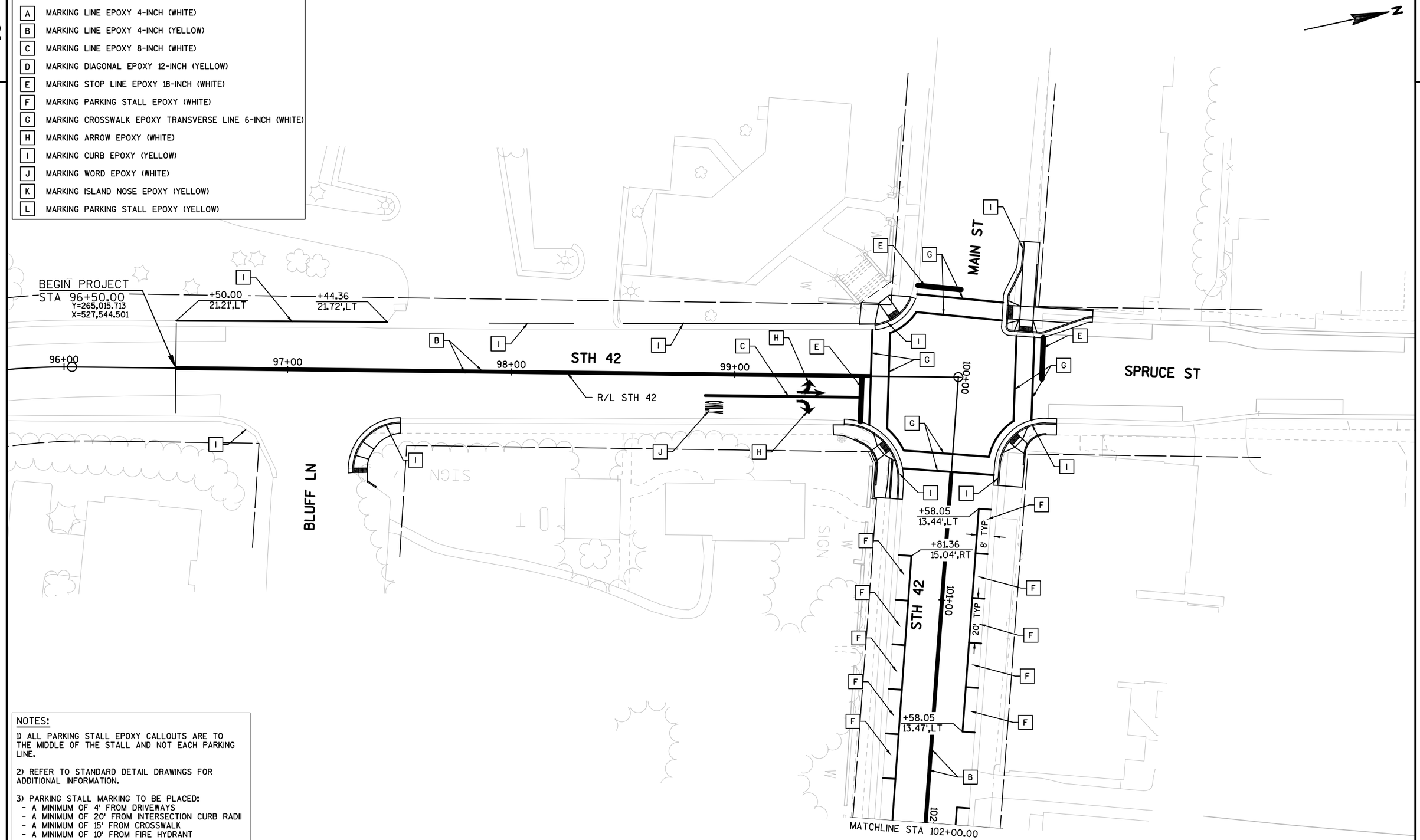




PROJECT NO: 4140–19–71	HWY: STH 42	COUNTY: DOOR	LIGHTING DETAILS	SHEET 172	E

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

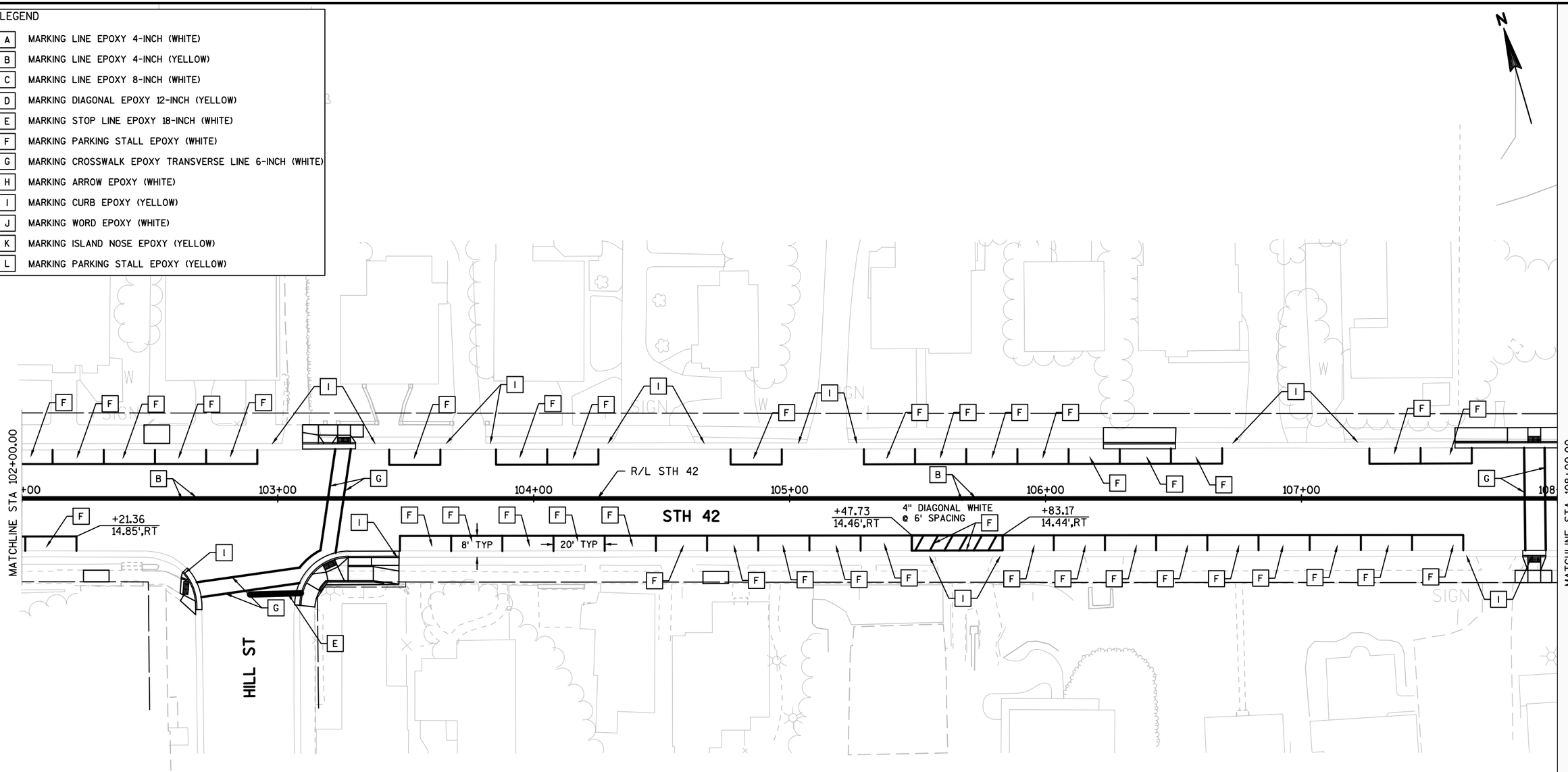
3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 173	E

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

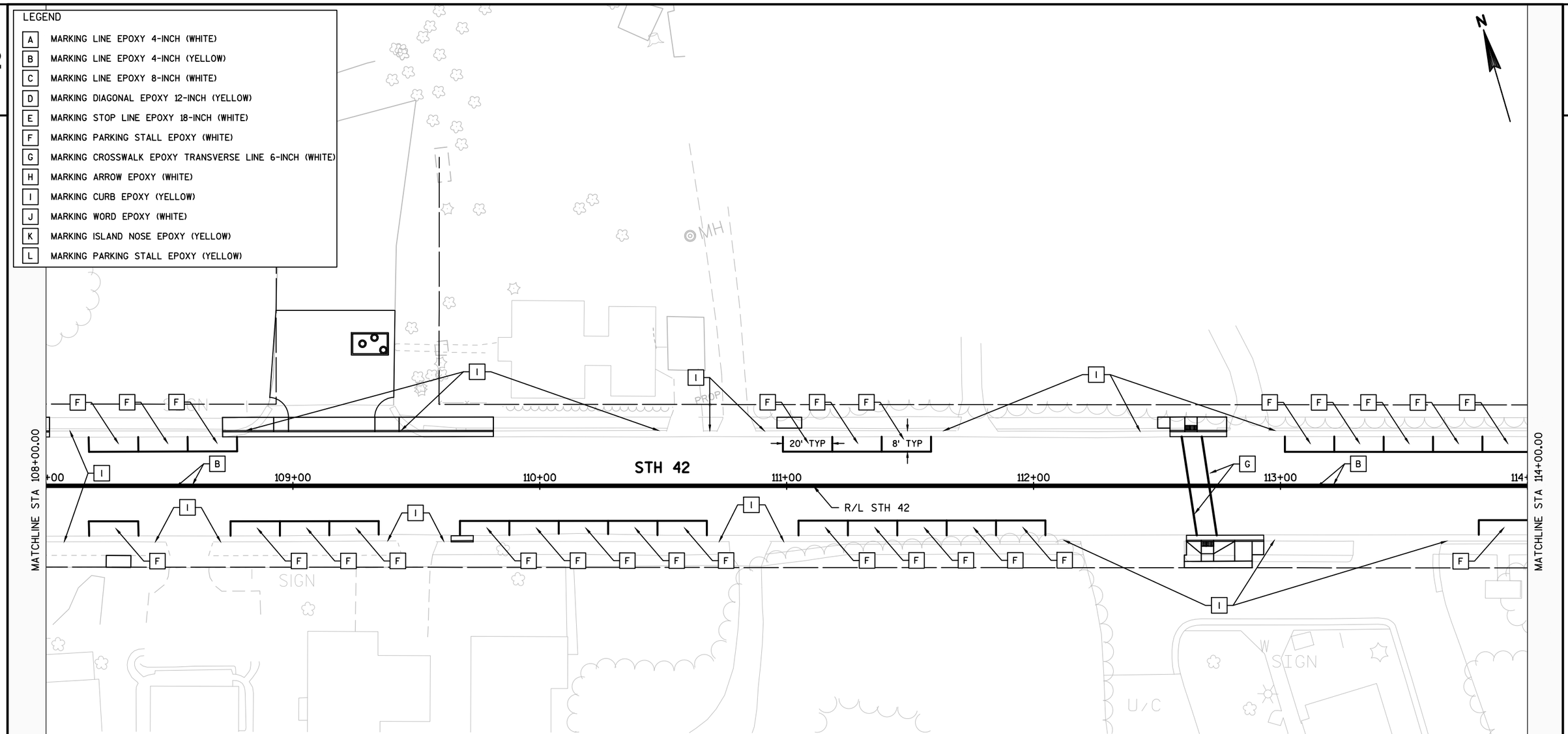
3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 174 E

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

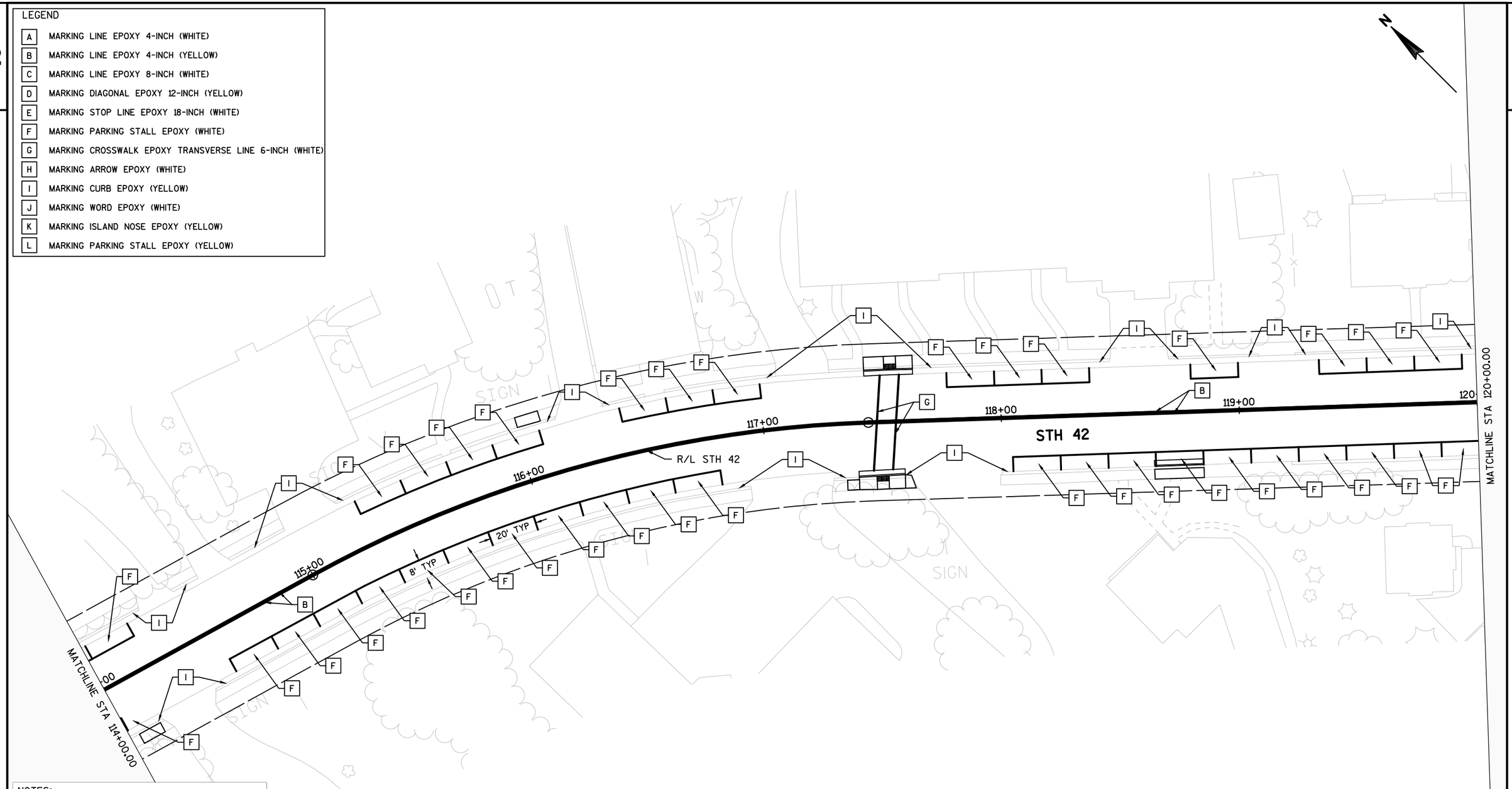
3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 175	E

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 176	E

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)

N

2

MATCHLINE STA 120+00.00

121+00

122+00

123+00

124+00

125+00

126+00

MATCHLINE STA 126+00.00

R/L STH 42

STH 42

+19.54
13.81',LT

+19.53
12.93',LT

+19.37
14.12',RT

+19.37
15.12',RT

20' TYP

8' TYP

SIGN

SIGN

U/C

FOUND

NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 177	E

2

N

SHORE ROAD

MATCHLINE STA 126+00.00

MATCHLINE STA 131+99.22

STH 42

R/L STH 42

126+00

127+00

128+00

129+00

130+00

131+00

132

+03.13
14.17',LT

+03.13
14.40',LT

20' TYP

8' TYP

SIGN

U/C

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)

NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 178	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024506-PM

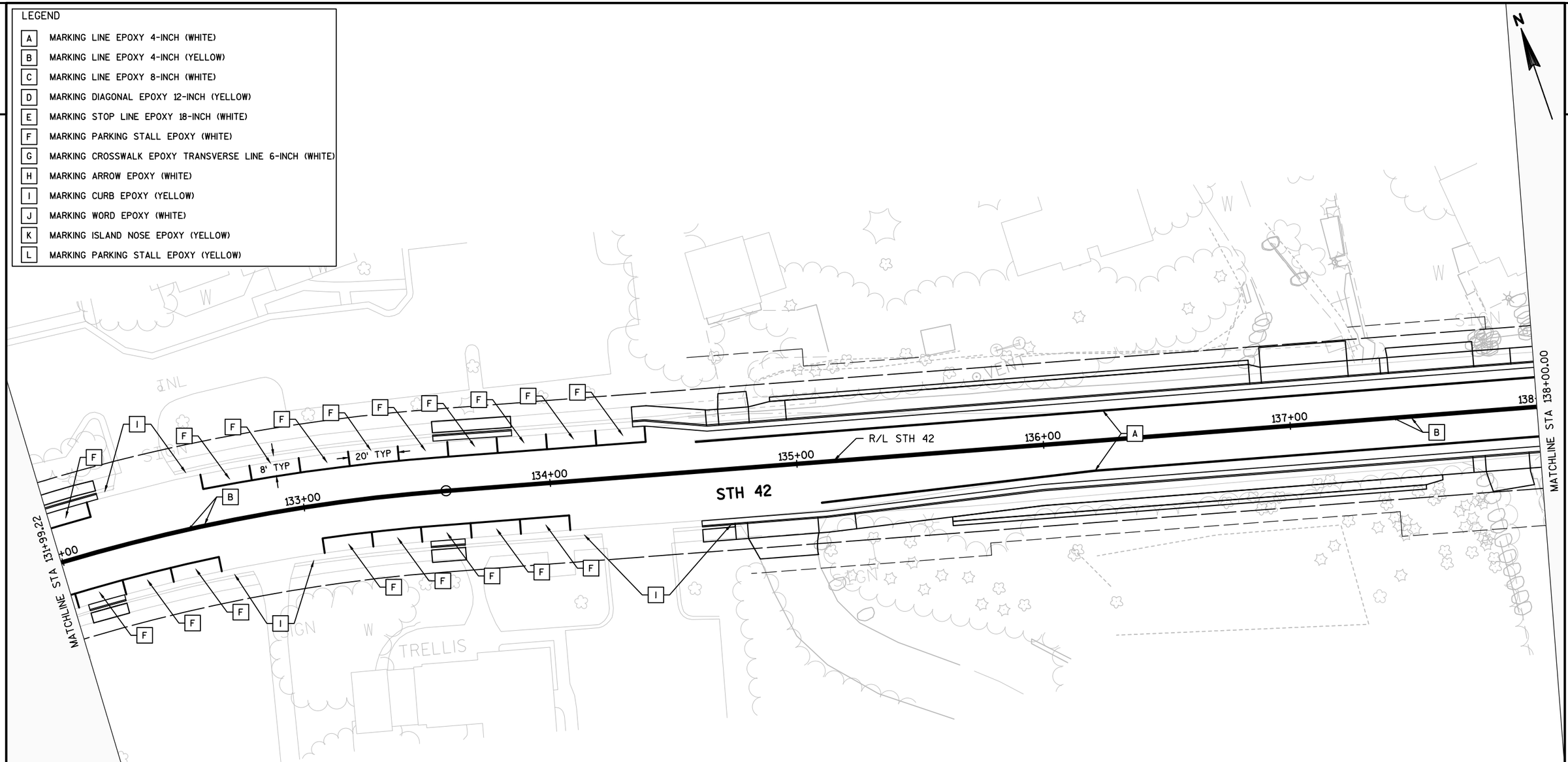
PLOT DATE : 7/30/2018 8:32 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

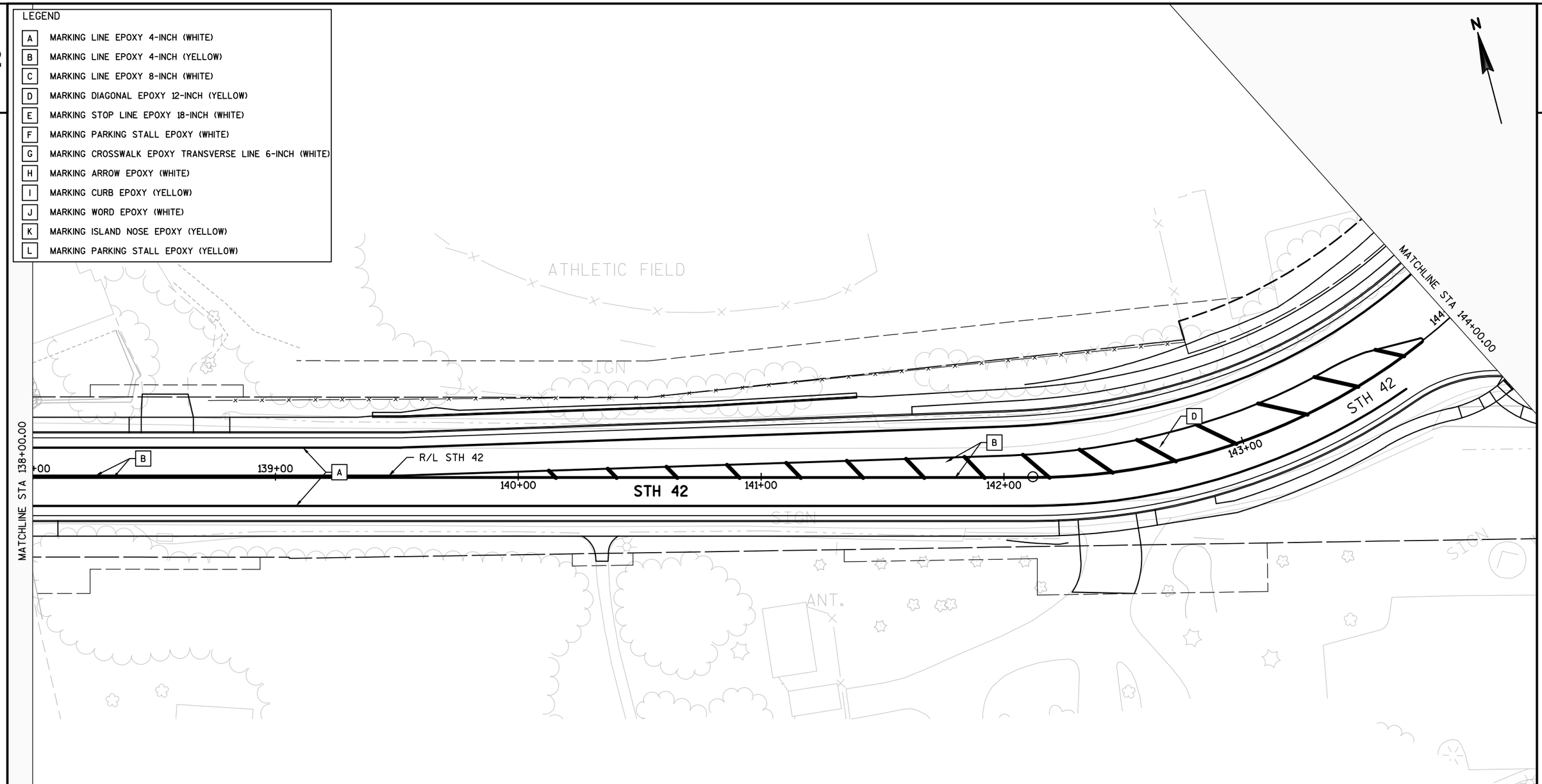
3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 179	E

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

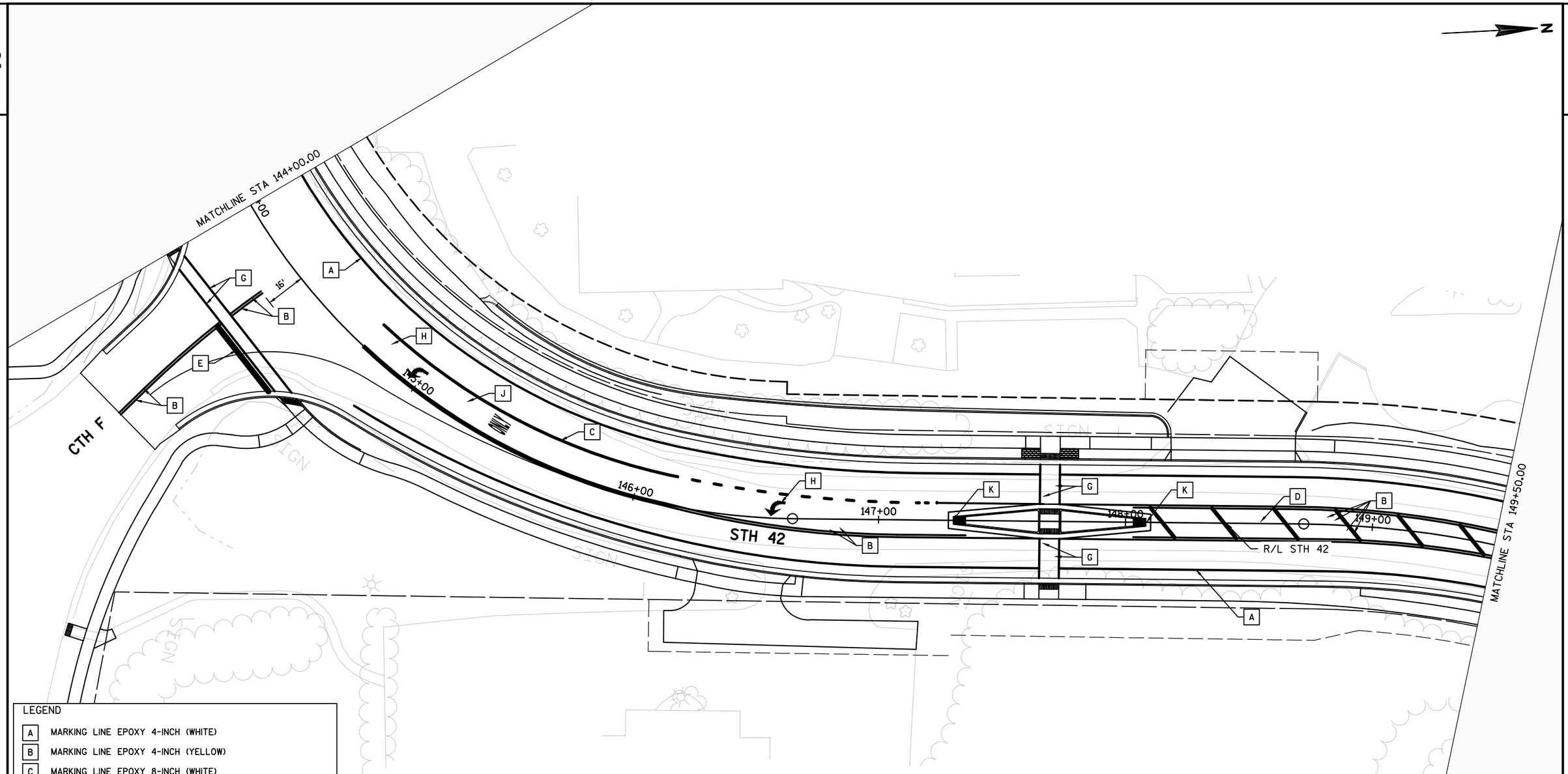
1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 180	E

2



LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)

NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

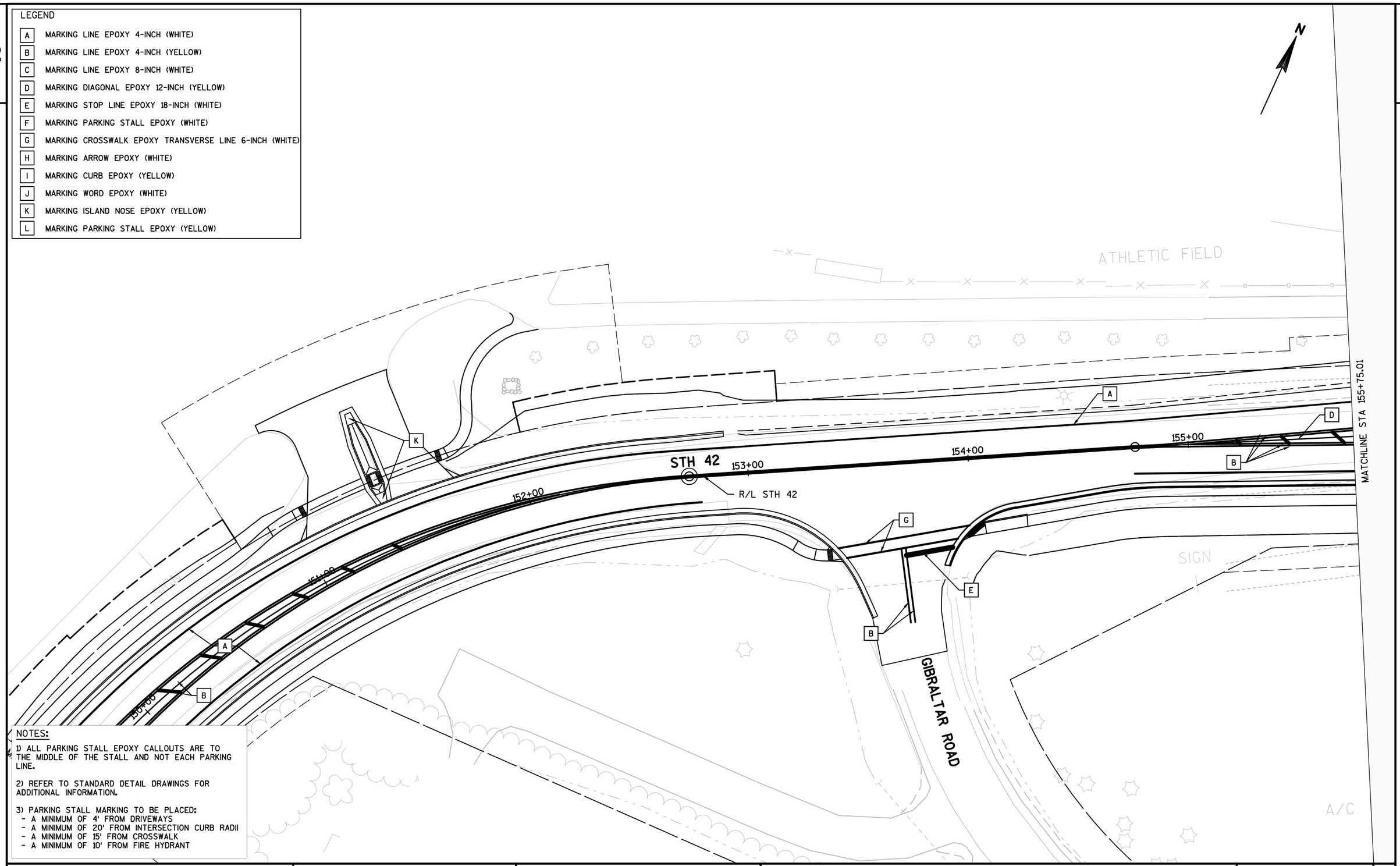
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 181	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024509-PM
PLOT DATE : 7/30/2018 8:33 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

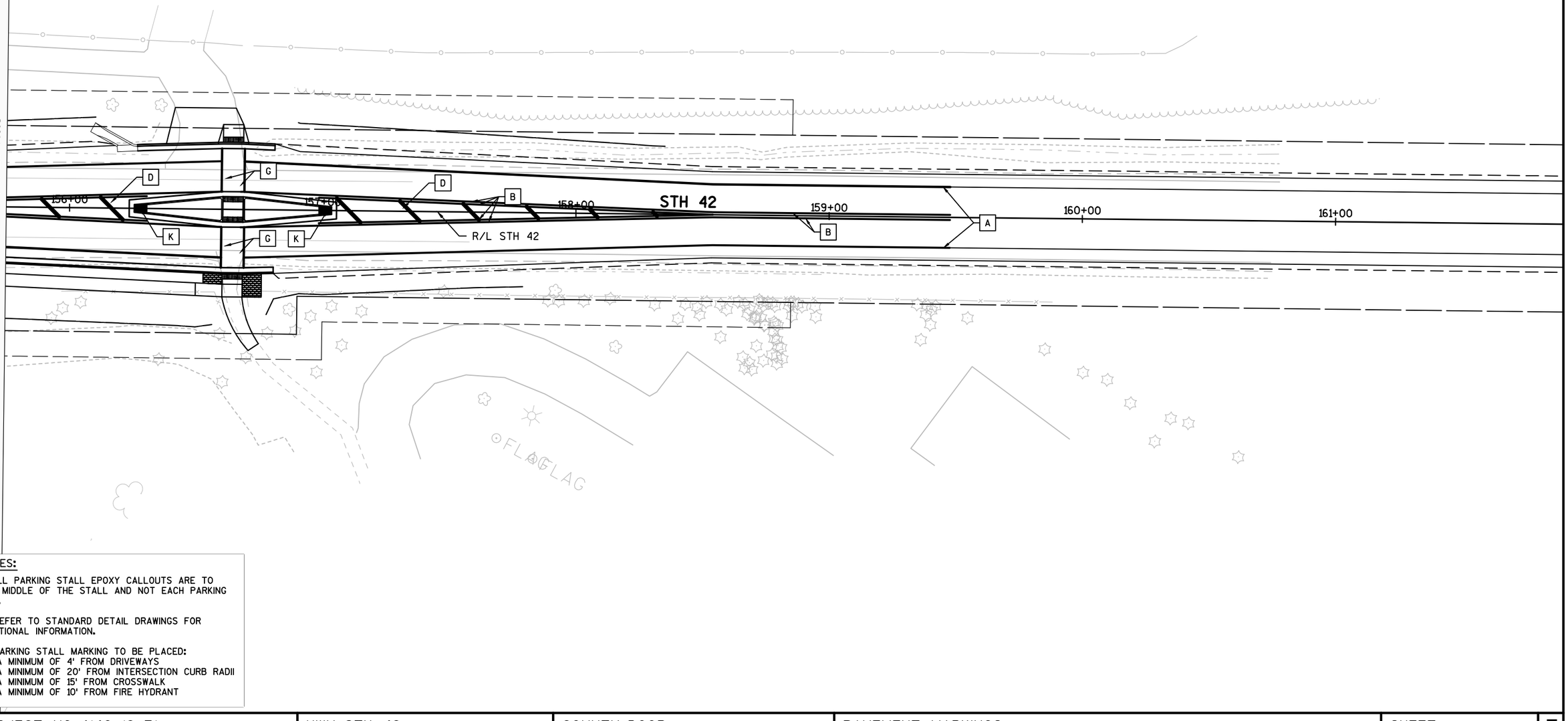
3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 182 E

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

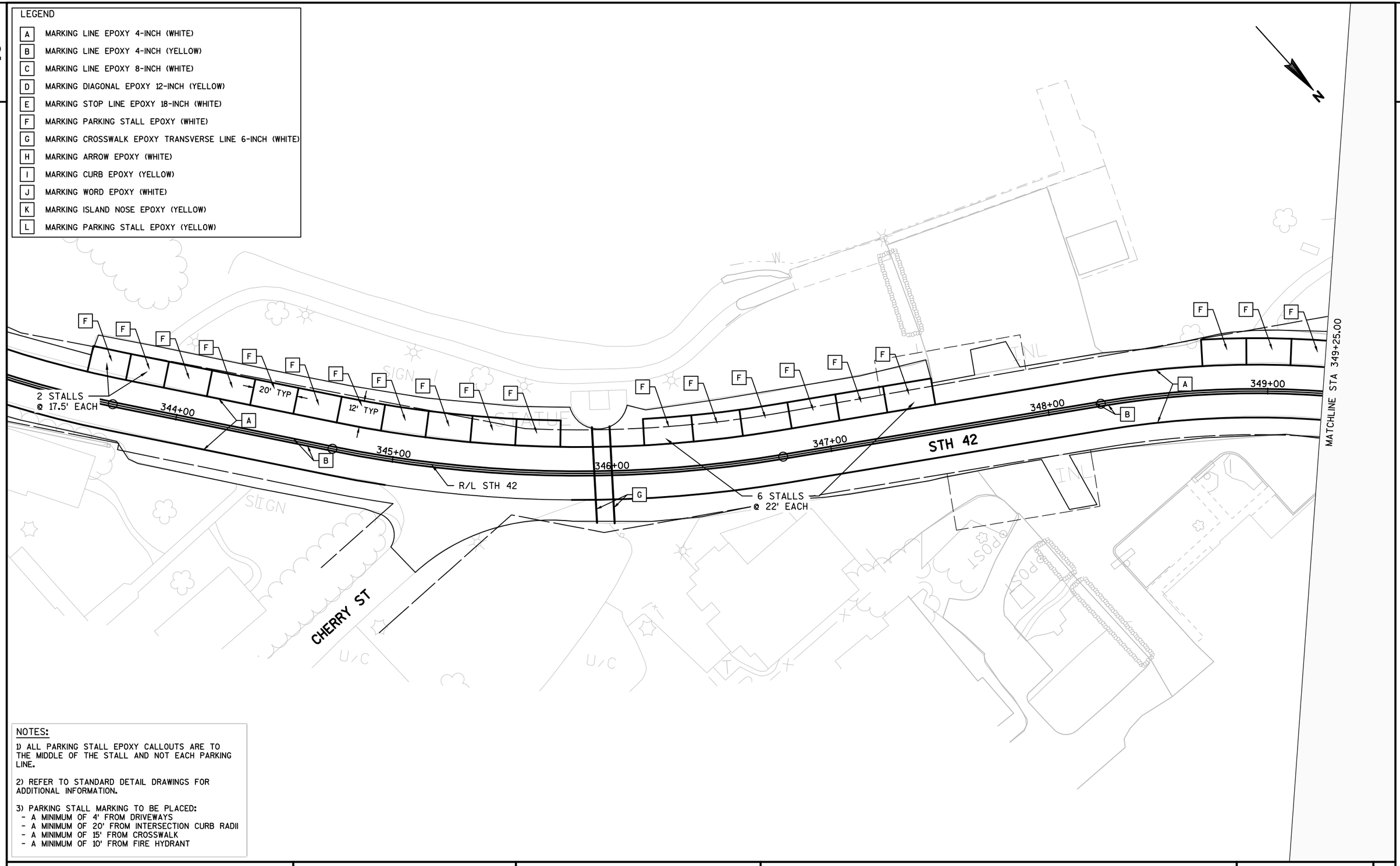
2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKINGS	SHEET 183	E

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

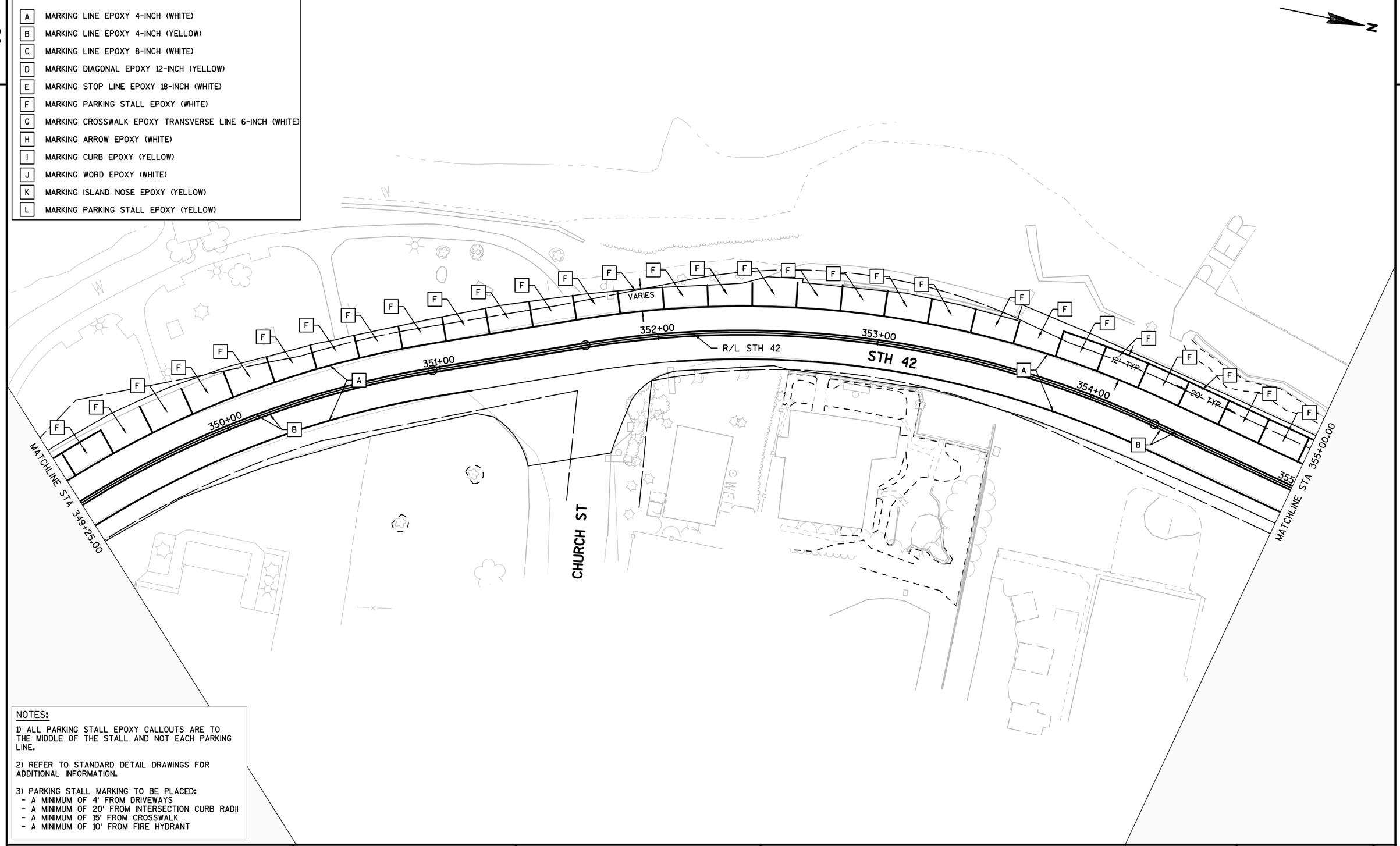
3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKNGS	SHEET 184	E

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)



NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKNGS	SHEET 185	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024513-PM
PLOT DATE : 7/30/2018 8:34 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

A	MARKING LINE EPOXY 4-INCH (WHITE)
B	MARKING LINE EPOXY 4-INCH (YELLOW)
C	MARKING LINE EPOXY 8-INCH (WHITE)
D	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E	MARKING STOP LINE EPOXY 18-INCH (WHITE)
F	MARKING PARKING STALL EPOXY (WHITE)
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
H	MARKING ARROW EPOXY (WHITE)
I	MARKING CURB EPOXY (YELLOW)
J	MARKING WORD EPOXY (WHITE)
K	MARKING ISLAND NOSE EPOXY (YELLOW)
L	MARKING PARKING STALL EPOXY (YELLOW)

N

MATCHLINE STA 355+00.00

12' TYP

20' TYP

356+00

357+00

358+00

359+00

360+00

R/L STH 42

STH 42

CEDAR ST

PIER

SIGN

POOL

INL

NOTES:

1) ALL PARKING STALL EPOXY CALLOUTS ARE TO THE MIDDLE OF THE STALL AND NOT EACH PARKING LINE.

2) REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.

3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKNGS	SHEET 186 E

2

STAGE 1 PHASE A

COMPLETE PRIOR TO NOON MAY 3rd, 2019

STA. 96+50 - 127+00
SHORE ROAD
STA. 160+00 - 531+27 (NOT SHOWN)

- CONSTRUCT UNDER
  - SHOULDER/PARKING LANE CLOSURES
  - DAYTIME LANE CLOSURE WITH FLAGGING OPERATIONS
  - PEDESTRIAN ACCOMMODATIONS (SEE PEDESTRIAN STAGING DETAIL)
- OPEN TO STH 42 BIDIRECTIONAL TRAFFIC

STA. 127+00 - 160+00

- STH 42 CLOSED TO THROUGH TRAFFIC. SEE TRAFFIC DETOUR. MAINTAIN TEMPORARY ACCESS FOR SCHOOL.
- SCHOOL TRAFFIC TO UTILIZE OLD GIBRALTAR ROAD TEMPORARY CONNECTION TO GAIN ACCESS TO SCHOOL.

FISH CREEK GRILL, STH 42 145+00 RT

- CONSTRUCT TEMPORARY GRAVEL DRIVEWAY FROM CTH F TO FISH CREEK GRILL PRIOR TO CLOSING STH 42 FROM STA 144+00-147+50.

TOWN OF GIBRALTAR

MAINLINE (STH 42)
ADVANCED WARNING SIGNS - SDD 15C-5
PARKING LANE CLOSURE SIGNING - SDD 15D-28
FLAGGING OPERATION - 15C-12
PEDESTRIAN ACCOMMODATIONS - SDD 15D-30
BARRICADES AND SIGNS FOR MAINLINE CLOSURES - 15C-2

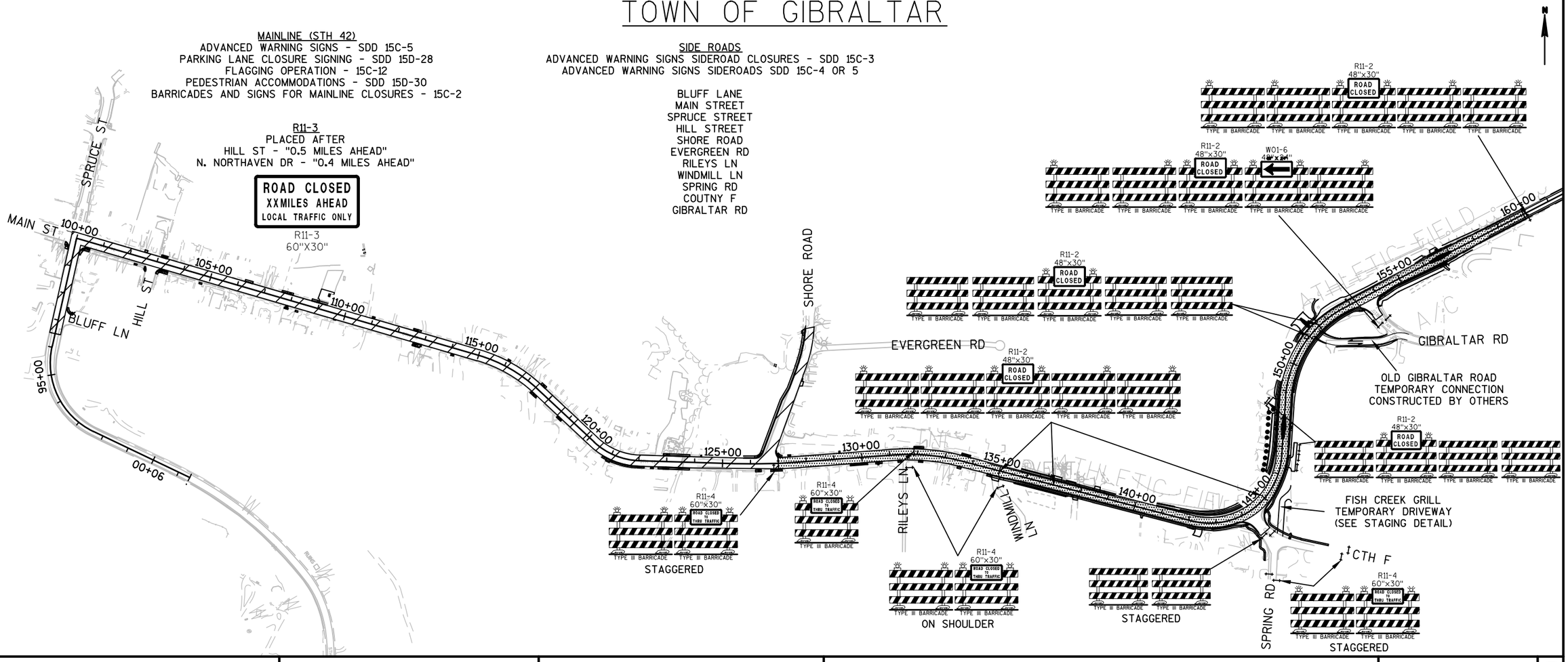
R11-3
PLACED AFTER
HILL ST - "0.5 MILES AHEAD"
N. NORTHAVEN DR - "0.4 MILES AHEAD"

ROAD CLOSED
XXMILES AHEAD
LOCAL TRAFFIC ONLY

R11-3
60"X30"

SIDE ROADS
ADVANCED WARNING SIGNS SIDEROAD CLOSURES - SDD 15C-3
ADVANCED WARNING SIGNS SIDEROADS SDD 15C-4 OR 5

BLUFF LANE
MAIN STREET
SPRUCE STREET
HILL STREET
SHORE ROAD
EVERGREEN RD
RILEYS LN
WINDMILL LN
SPRING RD
COUTNY F
GIBRALTAR RD



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION STAGING - STAGE 1	SHEET 187	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026001-s1
PLOT DATE : 7/25/2018 8:40 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

STAGE 1 PHASE B

COMPLETE PRIOR TO NOON MAY 24th, 2019

STA. 96+50 - 127+00
STA. 160+00 - 531+27 (NOT SHOWN)

- CONSTRUCT UNDER
  - SHOULDER/PARKING LANE CLOSURES
  - DAYTIME LANE CLOSURE WITH FLAGGING OPERATIONS
  - PEDESTRIAN ACCOMMODATIONS (SEE PEDESTRIAN STAGING DETAIL)
- OPEN TO STH 42 BIDIRECTIONAL TRAFFIC

STA. 127+00 - 160+00

- STH 42 CLOSED TO THROUGH TRAFFIC. SEE TRAFFIC DETOUR. MAINTAIN TEMPORARY ACCESS FOR SCHOOL.
- SCHOOL TRAFFIC TO UTILIZE OLD GIBRALTAR ROAD TEMPORARY CONNECTION TO GAIN ACCESS TO SCHOOL.

FISH CREEK GRILL, STH 42 145+00 RT

- CONTINUE TO USE TEMPORARY GRAVEL DRIVEWAY

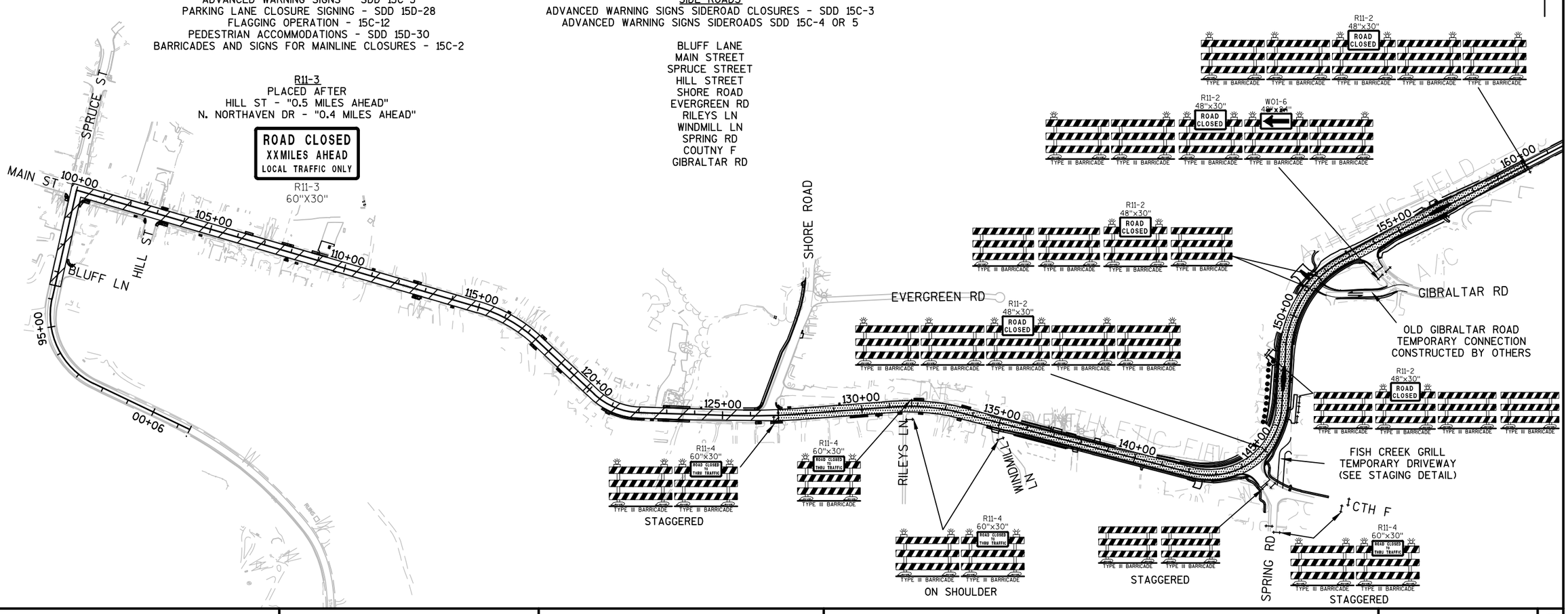
TOWN OF GIBRALTAR

MAINLINE (STH 42)
ADVANCED WARNING SIGNS - SDD 15C-5
PARKING LANE CLOSURE SIGNING - SDD 15D-28
FLAGGING OPERATION - 15C-12
PEDESTRIAN ACCOMMODATIONS - SDD 15D-30
BARRICADES AND SIGNS FOR MAINLINE CLOSURES - 15C-2

R11-3
PLACED AFTER
HILL ST - "0.5 MILES AHEAD"
N. NORTHAVEN DR - "0.4 MILES AHEAD"

SIDE ROADS
ADVANCED WARNING SIGNS SIDEROAD CLOSURES - SDD 15C-3
ADVANCED WARNING SIGNS SIDEROADS SDD 15C-4 OR 5

BLUFF LANE
MAIN STREET
SPRUCE STREET
HILL STREET
SHORE ROAD
EVERGREEN RD
RILEYS LN
WINDMILL LN
SPRING RD
COUTNY F
GIBRALTAR RD



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION STAGING - STAGE 1	SHEET 188	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 026001-s1

PLOT DATE : 7/25/2018 8:42 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

STAGE 2

COMPLETE PRIOR TO NOON JUNE 28th, 2019

STA. 96+50 - 127+00
SHORE ROAD
302+00 - 374+00 (NOT SHOWN)

- CONSTRUCTION COMPLETE
- OPEN TO STH 42 BIDIRECTIONAL TRAFFIC

STA. 127+00 - 145+00

- CONSTRUCT UNDER
  - SHOULDER/PARKING LANE CLOSURES
  - DAYTIME LANE CLOSURE WITH FLAGGING OPERATIONS
  - PEDESTRIAN ACCOMMODATIONS
- OPEN TO STH 42 BIDIRECTIONAL TRAFFIC

STA. 145+00 - 160+00

- STH 42 CLOSED TO ALL TRAFFIC, INCLUDING LOCAL.
- SCHOOL TRAFFIC TO UTILIZE OLD GIBRALTAR ROAD TEMPORARY CONNECTION TO GAIN ACCESS TO SCHOOL.

STA. 160+00 - 302+00 & 374+00 - 531+27 (NOT SHOWN)

- CONSTRUCT UNDER SHOULDER CLOSURES AND DAYTIME FLAGGING OPERATIONS.
- OPEN TO STH 42 BIDIRECTIONAL TRAFFIC

FISH CREEK GRILL, STH 42 145+00 RT

- CONTINUE TO USE TEMPORARY GRAVEL DRIVEWAY

TOWN OF GIBRALTAR

MAINLINE (STH 42)
ADVANCED WARNING SIGNS - SDD 15C-5
PARKING LANE CLOSURE SIGNING - SDD 15D-28
FLAGGING OPERATION - 15C-12
PEDESTRIAN ACCOMMODATIONS - SDD 15D-30
BARRICADES AND SIGNS FOR MAINLINE CLOSURES - 15C-2

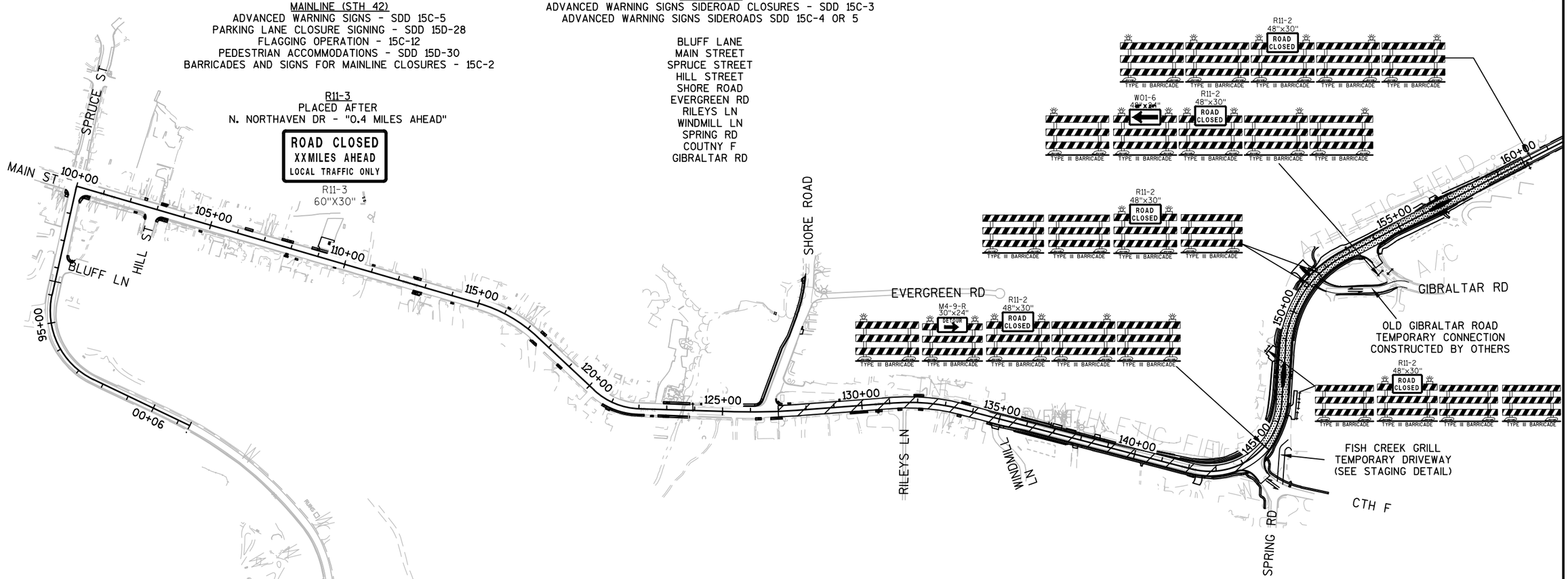
SIDE ROADS
ADVANCED WARNING SIGNS SIDEROAD CLOSURES - SDD 15C-3
ADVANCED WARNING SIGNS SIDEROADS SDD 15C-4 OR 5

BLUFF LANE
MAIN STREET
SPRUCE STREET
HILL STREET
SHORE ROAD
EVERGREEN RD
RILEYS LN
WINDMILL LN
SPRING RD
COUTNY F
GIBRALTAR RD

R11-3
PLACED AFTER
N. NORTHAVEN DR - "0.4 MILES AHEAD"

ROAD CLOSED
XXMILES AHEAD
LOCAL TRAFFIC ONLY

R11-3
60"X30"



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION STAGING - STAGE 2	SHEET 189 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 026003-s2

PLOT DATE : 7/25/2018 8:44 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : Custom

2

NOTES

1. PROVIDE PEDESTRIAN SIGNAGE AND TEMPORARY DEVICES IN ACCORDANCE WITH SDD 15D30a, b, and c, "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" UNTIL ACCOMMODATIONS CAN BE PROVIDED VIA PERMANENT SIDEWALK PLACEMENT
2. CLOSE & CONSTRUCT ONLY ONE QUADRANT OF SIDEWALK & CURB RAMP AT A TIME ALONG STH 42 TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS.
3. (X) CURB RAMP LOCATIONS
4. CONSTRUCT CURB RAMPS UNDER SHOULDER/PARKING LANE CLOSURES OR LANE CLOSURES WITH DAYTIME FLAGGING OPERATIONS.
5. SIDEWALK STAGING PLAN IS SUGGESTED SEQUENCE TO PERFORM WORK OPERATIONS WHILE MAINTAINING PEDESTRIAN ACCESS. SUBMIT, IN WRITING, ANY MODIFICATIONS TO THE ENGINEER A MINIMUM OF 5 DAYS PRIOR TO BEGINNING WORK.

CURB RAMPS CLOSED - PED PHASE 1

1. (A)
2. (B) OR (C)
3. (G) OR (F) & (H)
4. (M) OR (N)
5. (Q) OR (R)
6. (S)
7. (ExK) OR (ExL)

CURB RAMPS CLOSED - PED PHASE 2

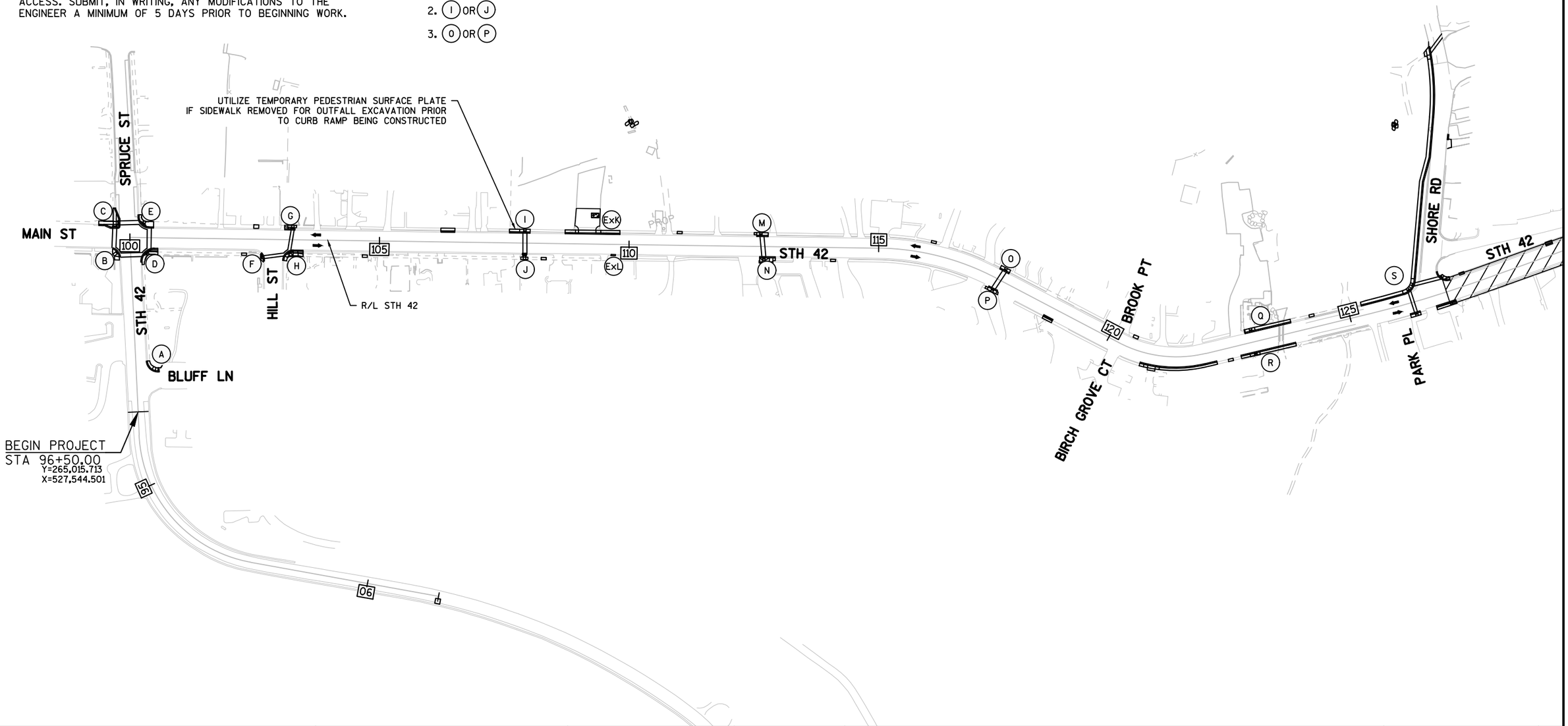
1. (E) OR (D)
2. (I) OR (J)
3. (O) OR (P)

CURB RAMPS OPEN - PED PHASE 1

1. (D), (E), (I), (J), (O), (P)

CURB RAMPS OPEN - PED PHASE 2

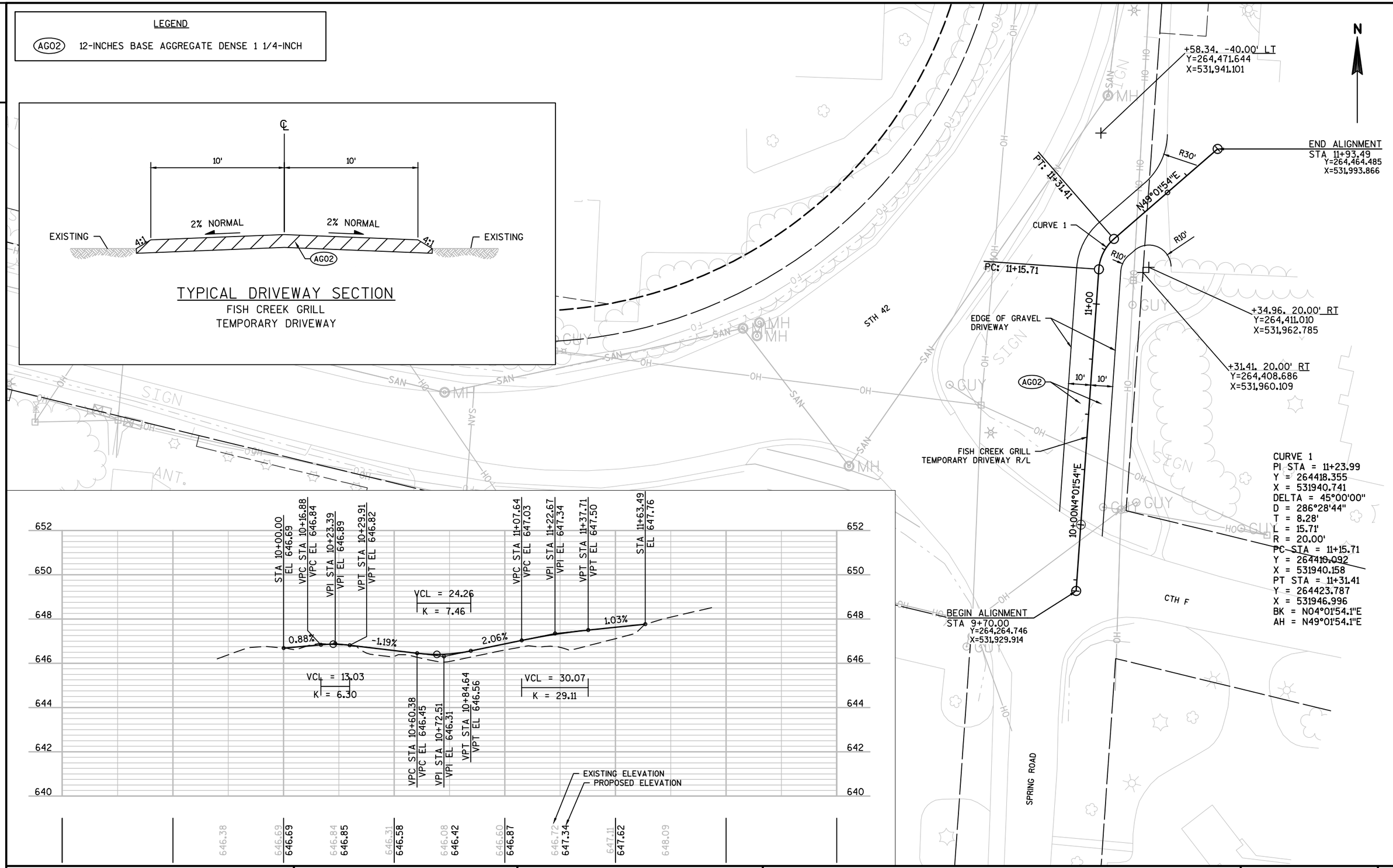
1. (A), (B), (C), (G), (F), (H), (M), (N), (ExK), (ExL), (Q), (R), (S)



LEGEND

AGO2 12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

TYPICAL DRIVEWAY SECTION
FISH CREEK GRILL
TEMPORARY DRIVEWAY



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION STAGING DETAIL - FISH CREEK GRILL TEMP DWY	SHEET 191	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\026004_S1.DWG
LAYOUT NAME - 026004-Temp

PLOT DATE : 7/30/2018 8:38 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:40 FT

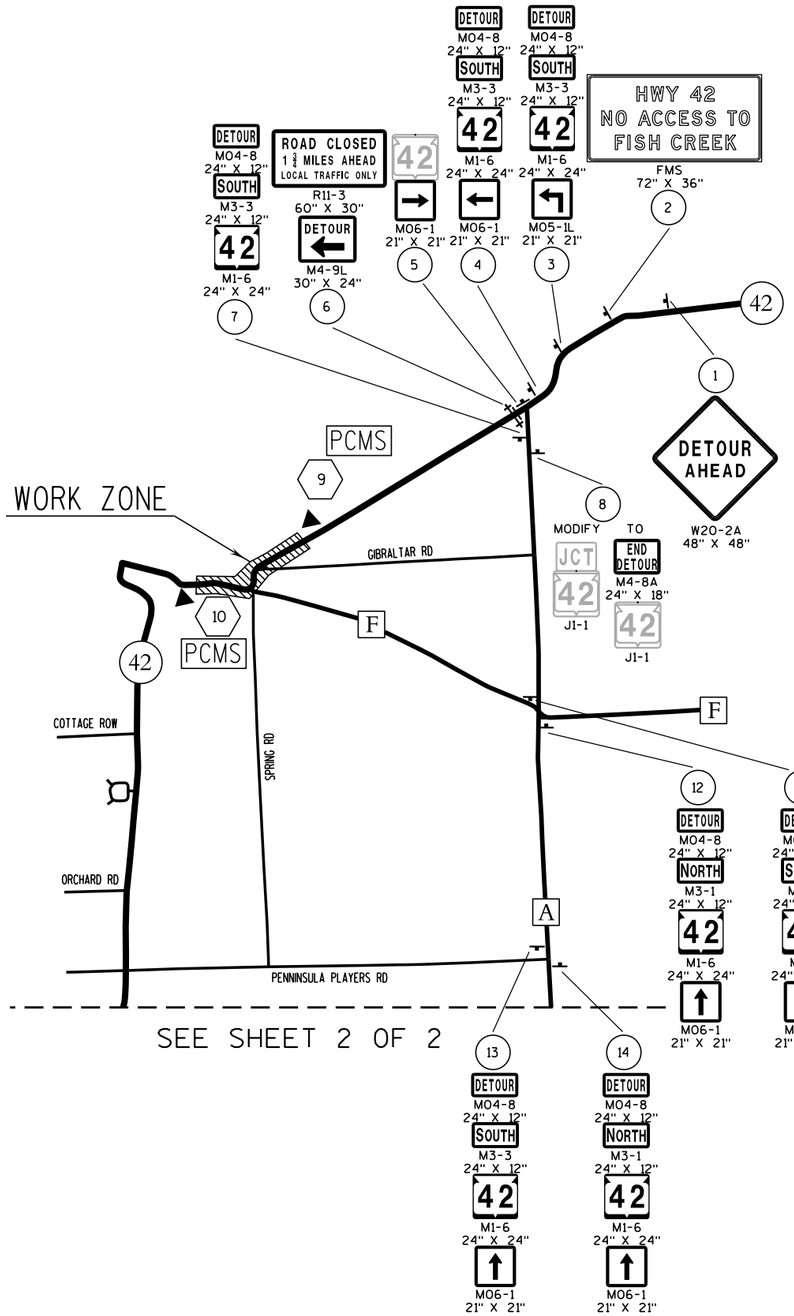
WISDOT/CADDS SHEET 42

2

N

LEGEND

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



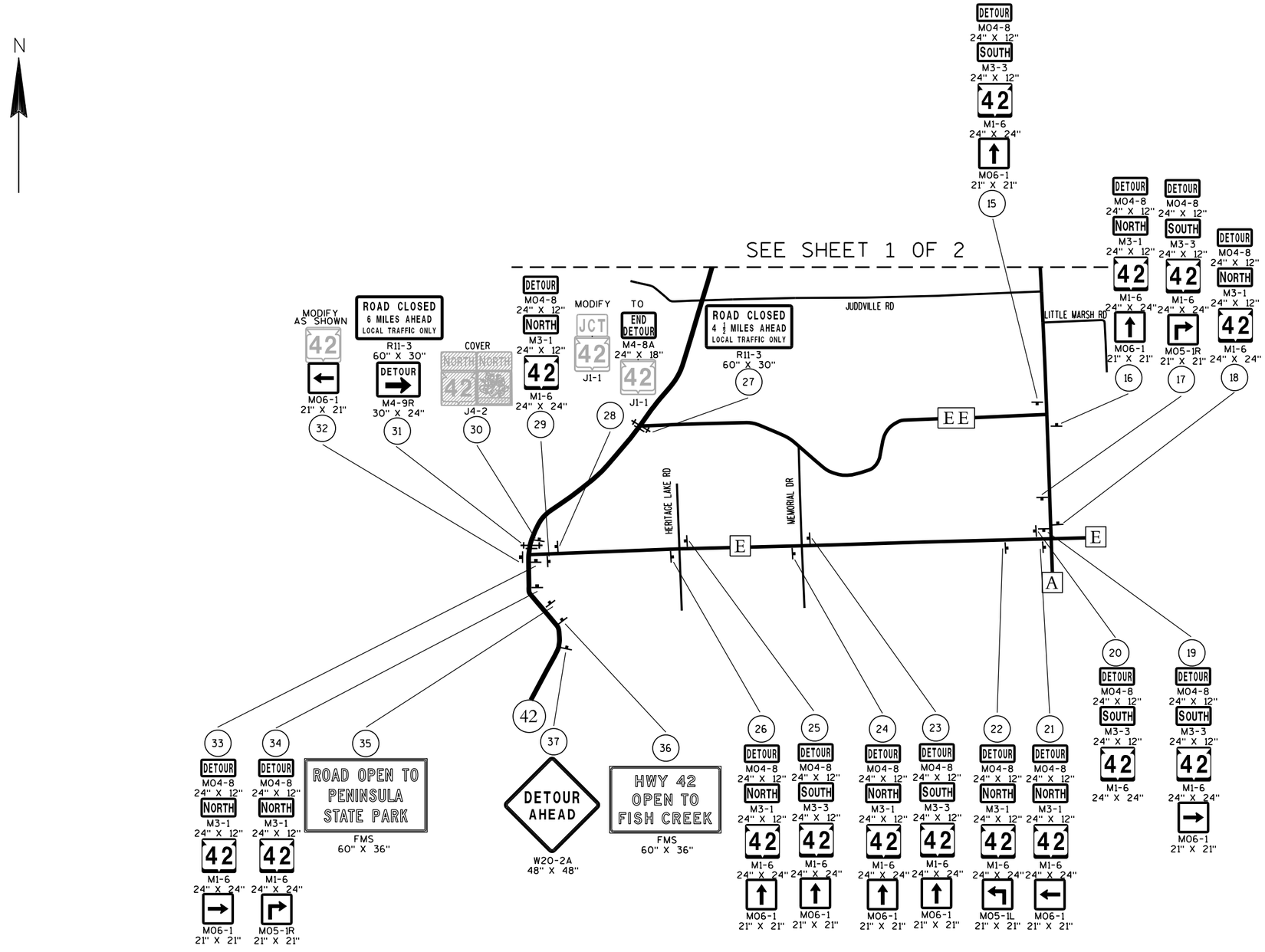
SHEET 1 OF 2

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL - STAGE 1	SHEET 192	E

LEGEND

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



SHEET 2 OF 2

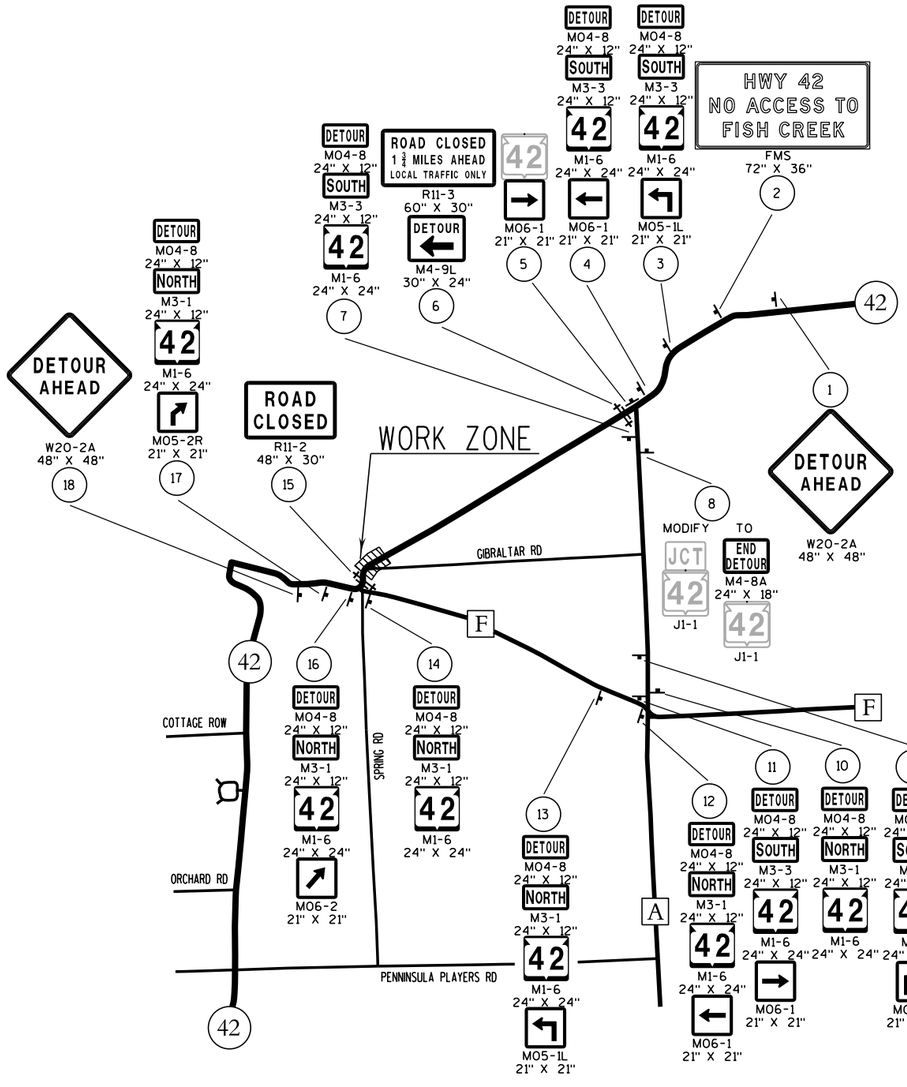
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL - STAGE 1	SHEET 193	E

2

LEGEND

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



SHEET 1 OF 1

PLAN SHEET PRODUCED BY WisDOT-NE REGION

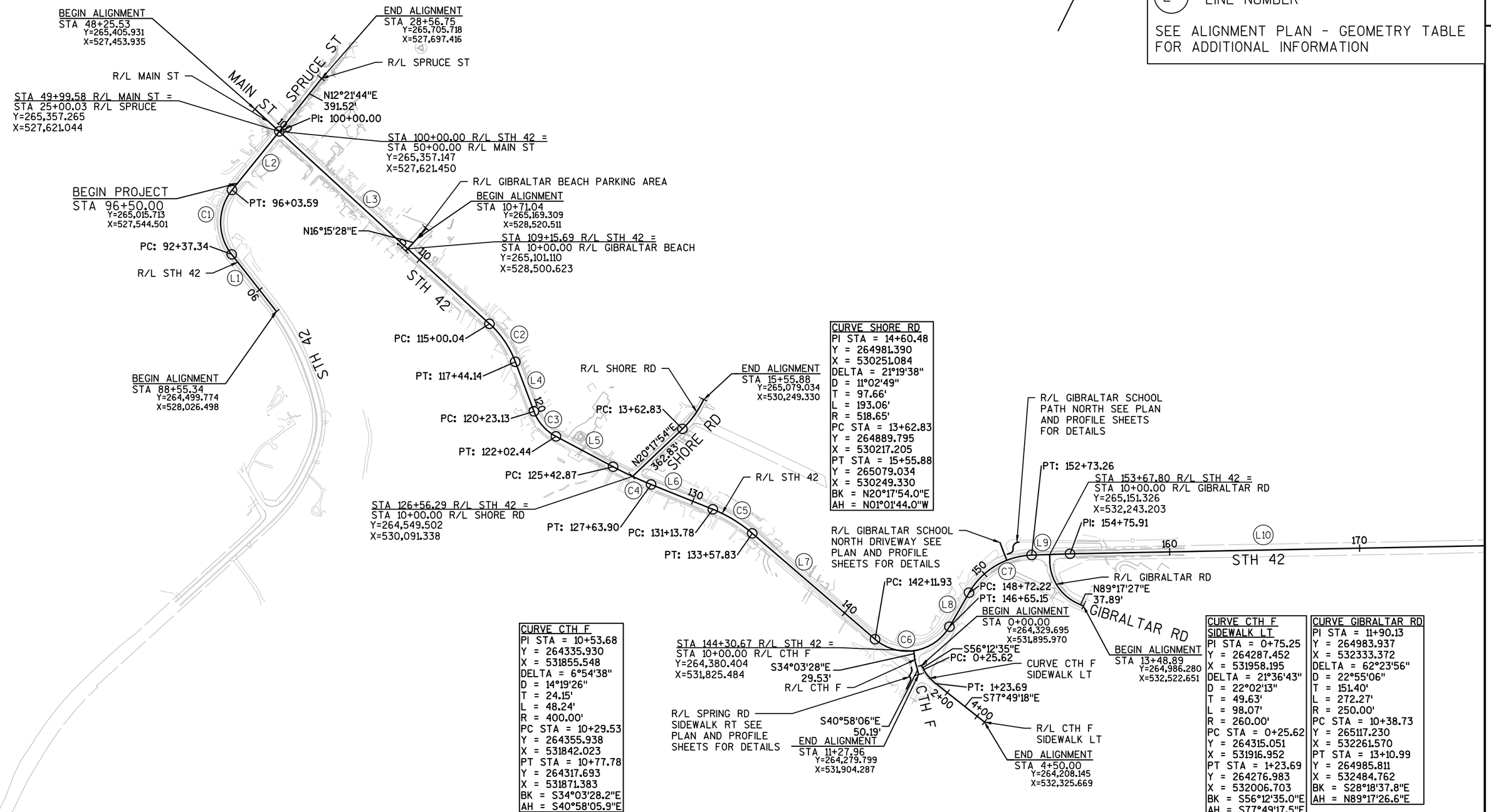
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL - STAGE 2	SHEET 194	E

2

C# CURVE NUMBER

L# LINE NUMBER

SEE ALIGNMENT PLAN - GEOMETRY TABLE FOR ADDITIONAL INFORMATION



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN	SHEET 195	E

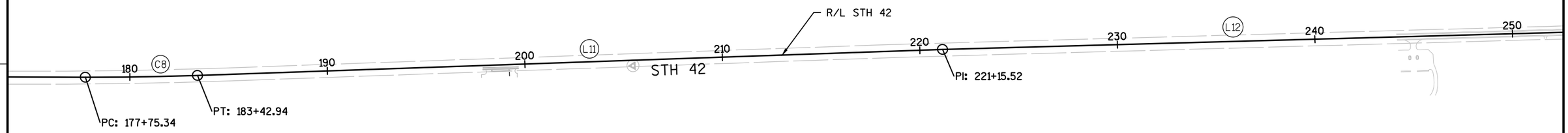
2

2

C# CURVE NUMBER

L# LINE NUMBER

SEE ALIGNMENT PLAN - GEOMETRY TABLE FOR ADDITIONAL INFORMATION



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN	SHEET 196	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027202-AD

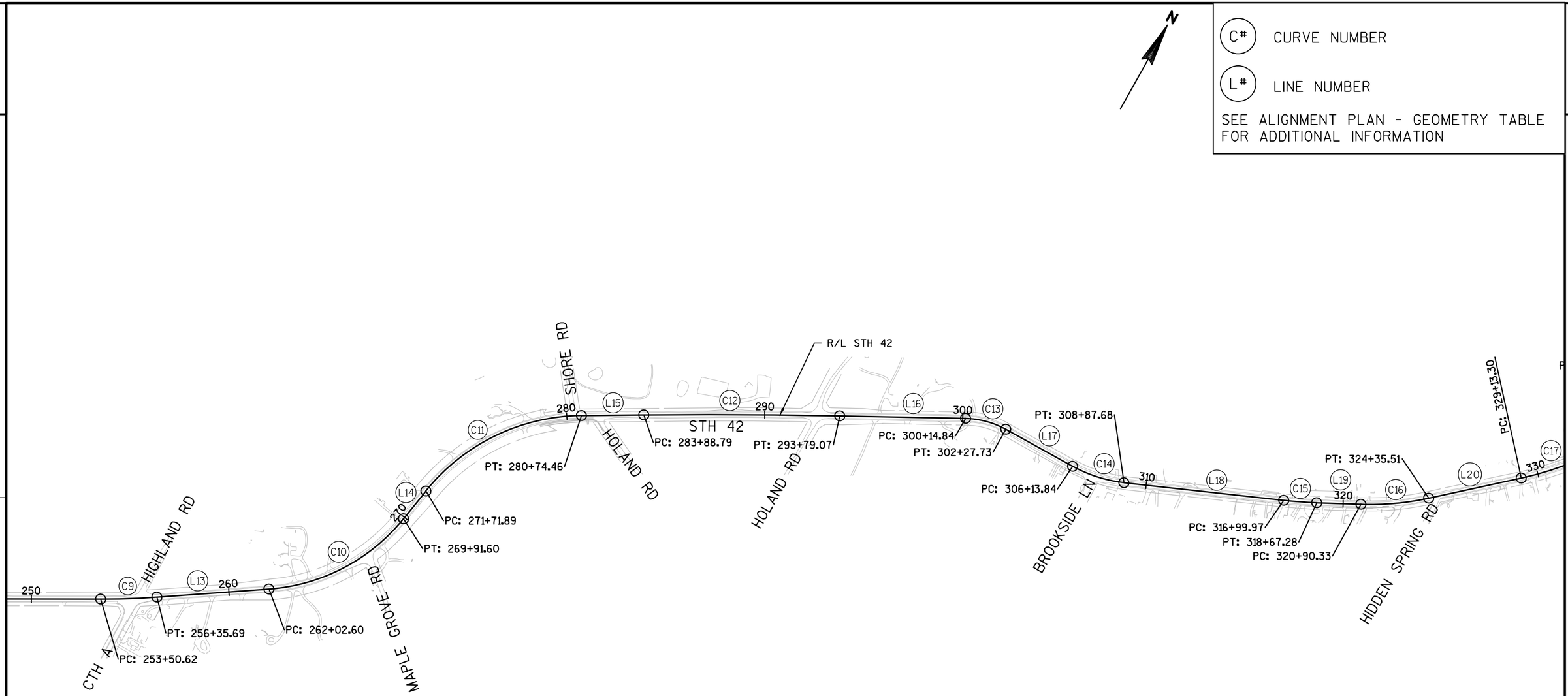
PLOT DATE : 7/25/2018 8:53 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

C# CURVE NUMBER

L# LINE NUMBER

SEE ALIGNMENT PLAN - GEOMETRY TABLE FOR ADDITIONAL INFORMATION



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN	SHEET 197	E

2

C# CURVE NUMBER

L# LINE NUMBER

SEE ALIGNMENT PLAN - GEOMETRY TABLE FOR ADDITIONAL INFORMATION

N

PC: 329+13.30
PT: 333+69.14
PC: 334+38.59
PT: 337+77.57
PCC: 337+88.85
PCC: 341+55.02
PT: 343+70.68
PC: 344+72.32
PT: 346+77.97
PC: 348+24.02
PT: 350+96.56
PC: 351+66.92
PT: 354+31.24
PC: 355+83.93
PT: 357+49.99
PC: 359+39.02
PT: 362+12.95
PC: 363+35.72
PT: 365+47.67
PC: 365+80.39
PT: 368+98.56
PC: 369+93.68
PT: 371+26.98
PC: 373+00.43
PT: 374+20.16
PC: 375+76.91
PT: 377+95.37
PC: 381+77.70
PT: 384+47.80
PC: 386+22.87
PT: 392+28.07
PC: 397+67.09
PT: 402+33.23
PC: 404+00.84
PT: 408+10.95
PC: 418+54.72
PCC: 420+20.89
PT: 424+07.08

MORAVIA ST
CHERRY ST
CEDAR ST
SPRUCE ST
STH 42
R/L STH 42
MEADOW LN
AMUNDSON RD
CORAL HILL RD
ORCHARD ST.

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN	SHEET 198	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027204-AD
PLOT DATE : 7/25/2018 8:53 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44

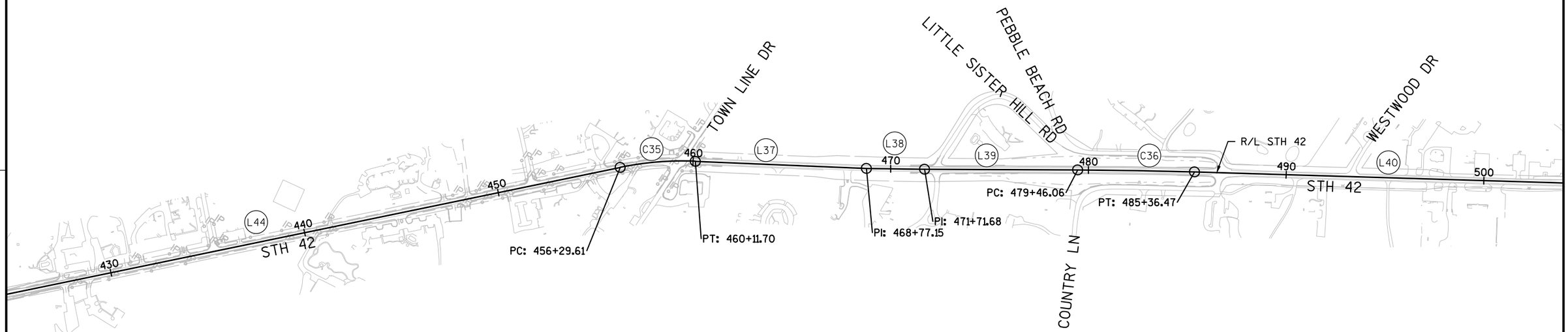
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2

C# CURVE NUMBER

L# LINE NUMBER

SEE ALIGNMENT PLAN - GEOMETRY TABLE FOR ADDITIONAL INFORMATION



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN	SHEET 199 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027205-AD

PLOT DATE : 7/25/2018 8:53 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:500 FT

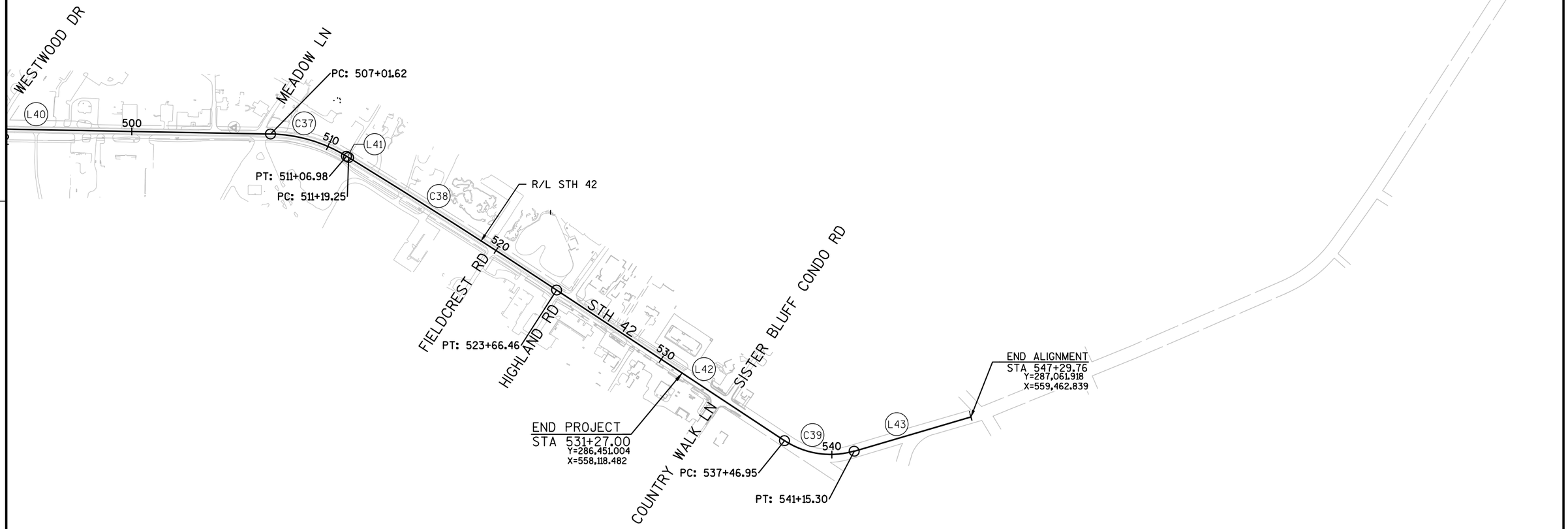
WISDOT/CADDS SHEET 44

2

C# CURVE NUMBER

L# LINE NUMBER

SEE ALIGNMENT PLAN - GEOMETRY TABLE FOR ADDITIONAL INFORMATION



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN	SHEET 200	E

2

GEOMETRY TABLE							
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting	Superelevation
L1		382.00	N64°21'37"W	88+55.34	264499.774	528026.498	
C1	272.32	366.26	N25°49'48"W	92+37.34	264665.067	527682.117	
L2		396.41	N12°42'02"E	96+03.59	264970.439	527534.298	
L3		1500.04	S73°45'47"E	100+00.00	265357.147	527621.450	
C2	520.50	244.10	S60°19'41"E	115+00.04	264937.722	529061.659	MATCH EXISTING
L4		278.99	S46°53'36"E	117+44.14	264817.990	529271.812	
C3	248.50	179.31	S67°33'55"E	120+23.13	264627.337	529475.501	MATCH EXISTING
L5		340.43	S88°14'15"E	122+02.44	264560.380	529637.671	
C4	2087.21	221.03	N88°43'44"E	125+42.87	264549.909	529977.936	NC
L6		349.88	N85°41'43"E	127+63.90	264554.810	530198.806	
C5	740.82	244.04	S84°52'03"E	131+13.78	264581.074	530547.703	MATCH EXISTING
L7		854.11	S75°25'49"E	133+57.83	264559.341	530789.670	
C6	257.73	453.22	N54°11'36"E	142+11.93	264344.484	531616.311	VAR/6% NORMAL
L8		207.07	N03°49'00"E	146+65.15	264576.773	531938.308	
C7	397.00	401.04	N32°45'23"E	148+72.22	264783.382	531952.092	5.3%
L9		202.64	N61°41'46"E	152+73.26	265106.492	532159.975	
L10		2299.44	N62°39'26"E	154+75.91	265202.575	532338.392	
C8	15096.65	567.60	N61°34'49"E	177+75.34	266258.735	534380.923	NC
L11		3772.58	N60°30'11"E	183+42.94	266528.854	534880.085	
L12		3235.11	N60°55'03"E	221+15.52	268386.385	538163.671	
C9	3835.00	285.06	N58°47'17"E	253+50.62	269958.872	540990.894	RC
L13		566.92	N56°39'31"E	256+35.69	270106.561	541234.641	
C10	963.00	788.99	N33°11'13"E	262+02.60	270418.154	541708.249	6.0%
L14		180.29	N09°42'56"E	269+91.60	271060.139	542128.145	
C11	1025.00	902.57	N34°56'31"E	271+71.89	271237.842	542158.570	6.0%
L15		314.33	N60°10'05"E	280+74.46	271954.040	542658.974	
C12	32085.00	990.28	N61°03'08"E	283+88.79	272110.407	542931.654	NC
L16		635.76	N61°56'11"E	293+79.07	272589.695	543798.175	
C13	437.00	212.89	N75°53'33"E	300+14.84	272888.791	544359.189	MATCH EXISTING
L17		386.12	N89°50'56"E	302+27.73	272940.169	544563.623	
C14	689.00	273.84	N78°27'47"E	306+13.84	272941.188	544949.739	MATCH EXISTING
L18		812.29	N67°04'38"E	308+87.68	272995.595	545216.279	
C15	2265.81	167.31	N64°57'43"E	316+99.97	273311.974	545964.424	MATCH EXISTING
L19		223.05	N62°50'47"E	318+67.28	273382.769	546115.980	
C16	1376.00	345.17	N55°39'36"E	320+90.33	273484.565	546314.448	MATCH EXISTING
L20		477.79	N48°28'25"E	324+35.51	273678.766	546598.711	
C17	1610.28	455.84	N40°21'50"E	329+13.30	273995.525	546956.409	MATCH EXISTING
L21		69.45	N32°15'15"E	333+69.14	274341.695	547250.647	
C18	1360.00	338.98	N25°06'49"E	334+38.59	274400.428	547287.711	MATCH EXISTING
L22		11.28	N17°58'24"E	337+77.57	274706.568	547431.207	
C19	741.49	366.17	N03°49'34"E	337+88.85	274717.297	547434.688	MATCH EXISTING
C20	471.85	215.66	N23°24'53"W	341+55.02	275078.949	547458.874	MATCH EXISTING
L23		101.64	N36°30'29"W	343+70.68	275275.132	547373.918	

GEOMETRY TABLE							
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting	Superelevation
C21	563.59	205.65	N46°57'42"W	344+72.32	275356.831	547313.447	MATCH EXISTING
L24		146.05	N57°24'54"W	346+77.97	275496.409	547163.969	
C22	427.99	272.54	N39°10'20"W	348+24.02	275575.062	547040.910	MATCH EXISTING
L25		70.36	N20°55'46"W	350+96.56	275782.797	546871.653	
C23	442.00	264.31	N03°47'53"W	351+66.92	275848.517	546846.519	MATCH EXISTING
L26		152.70	N13°19'59"E	354+31.24	276108.337	546829.270	
C24	982.00	166.06	N08°29'20"E	355+83.93	276256.920	546864.484	MATCH EXISTING
L27		189.03	N03°38'40"E	357+49.99	276420.961	546888.967	
C25	1553.11	273.93	N01°24'30"W	359+39.02	276609.606	546900.983	MATCH EXISTING
L28		122.77	N06°27'41"W	362+12.95	276883.103	546894.258	
C26	1454.00	211.95	N02°17'07"W	363+35.72	277005.089	546880.443	MATCH EXISTING
L29		32.72	N01°53'27"E	365+47.67	277216.687	546871.999	
C27	13700.00	318.17	N01°13'32"E	365+80.39	277249.384	546873.079	NC
L30		95.12	N00°33'37"E	368+98.56	277567.473	546879.884	
C28	578.00	133.30	N07°10'01"E	369+93.68	277662.593	546880.814	MATCH EXISTING
L31		173.45	N13°46'25"E	371+26.98	277794.554	546897.407	
C29	500.00	119.73	N06°54'49"E	373+00.43	277963.020	546938.703	MATCH EXISTING
L32		156.75	N00°03'13"E	374+20.16	278081.595	546953.081	
C30	1242.00	218.46	N05°05'33"E	375+76.91	278238.342	546953.227	MATCH EXISTING
L33		382.33	N10°07'54"E	377+95.37	278455.662	546972.594	
C31	795.72	270.10	N00°24'27"E	381+77.70	278832.033	547039.850	MATCH EXISTING
L34		175.07	N09°19'00"W	384+47.80	279100.827	547041.762	
C32	3312.00	605.20	N04°04'54"W	386+22.87	279273.590	547013.420	MATCH EXISTING
L35		539.01	N01°09'11"E	392+28.07	279876.420	546970.401	
C33	627.82	466.15	N22°25'25"E	397+67.09	280415.322	546981.248	MATCH EXISTING
L36		167.61	N43°41'39"E	402+33.23	280836.394	547155.005	
C34	511.00	410.11	N66°41'10"E	404+00.84	280957.582	547270.791	6.0%
L45		1043.77	N89°40'40"E	408+10.95	281115.570	547637.390	
C40	1955.04	166.17	N87°14'34"E	418+54.72	281121.439	548681.139	MATCH EXISTING
C41	550.24	386.18	N64°42'04"E	420+20.89	281129.430	548847.071	MATCH EXISTING
L44		3222.53	N44°35'40"E	424+07.08	281291.096	549189.095	
C35	1560.00	382.09	N51°36'41"E	456+29.61	283585.835	551451.586	MATCH EXISTING
L37		865.45	N58°37'41"E	460+11.70	283822.519	551750.328	
L38		294.53	N57°07'36"E	468+77.15	284273.067	552489.258	
L39		774.38	N56°31'10"E	471+71.68	284432.933	552736.626	
C36	23000.00	590.41	N57°15'18"E	479+46.06	284860.121	553382.514	MATCH EXISTING
L40		2165.15	N57°59'25"E	485+36.47	285179.466	553879.085	
C37	762.00	405.37	N73°13'49"E	507+01.62	286327.129	555715.040	MATCH EXISTING
L41		12.26	N88°28'13"E	511+06.98	286442.713	556098.606	
C38	37826.00	1247.21	N89°24'54"E	511+19.25	286443.040	556110.867	NC
L42		1380.49	S89°38'26"E	523+66.46	286455.776	557357.956	
C39	424.00	368.34	N65°28'19"E	537+46.95	286447.114	558738.422	
L43		614.46	N40°35'04"E	541+15.30	286595.264	559063.087	

2

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN - GEOMETRY TABLE	SHEET 201	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027207-AD

PLOT DATE : 7/25/2018 8:53 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 44

2

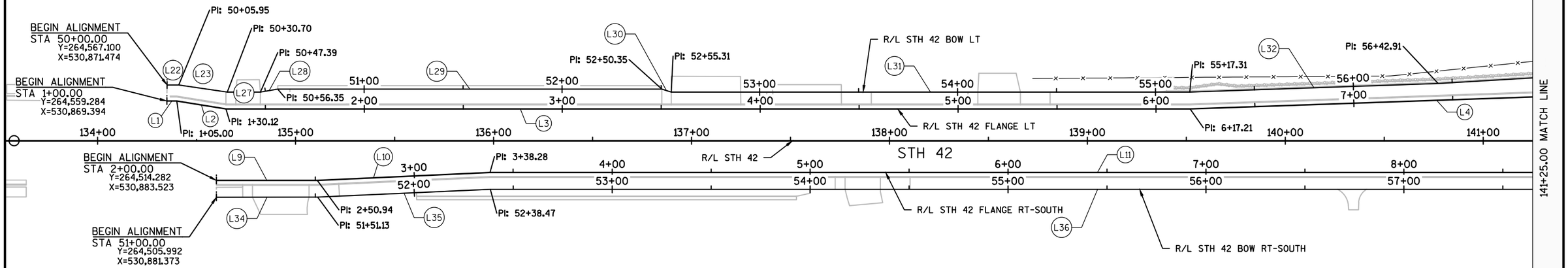
N

C# CURVE NUMBER

L# LINE NUMBER

BOW = BACK OF SIDEWALK

SEE ALIGNMENT PLAN - LINE AND CURVE TABLES FOR ADDITIONAL INFORMATION



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN - BACK OF SIDEWALK & FLANGE LINES	SHEET 202	E

2

C# CURVE NUMBER

L# LINE NUMBER

BOW = BACK OF SIDEWALK

SEE ALIGNMENT PLAN - LINE AND CURVE TABLES FOR ADDITIONAL INFORMATION

N

141+25.00 MATCH LINE

149+25.00 MATCH LINE

STH 42

CTH F

BEGIN ALIGNMENT
STA 10+00.00
Y=264,462.737
X=531,844.417

END ALIGNMENT
STA 12+87.88
Y=264,731.673
X=531,914.052

END ALIGNMENT
STA 60+67.38
Y=264,332.813
X=531,821.275

END ALIGNMENT
STA 12+13.12
Y=264,303.130
X=531,856.151

BEGIN ALIGNMENT
STA 52+00.00
Y=264,372.180
X=531,877.746

BEGIN ALIGNMENT
STA 3+06.66
Y=264,329.532
X=531,886.342

PC: 8+66.61
PC: 57+73.32
PCC: 58+49.06
PCC: 9+52.40
R/L STH 42 BOW LT
R/L STH 42 FLANGE LT
PC: 9+52.03
PC: 58+52.02
PT: 58+95.59
R/L STH 42
PC: 59+36.85
R/L STH 42 FLANGE RT-SOUTH
R/L STH 42 BOW RT-SOUTH
PRC: 60+03.89
PC: 11+18.41
PRC: 60+33.68
PCC: 60+50.82
PT: 11+93.39
PRC: 3+81.32
PC: 52+04.71
PRC: 52+70.68
PRC: 52+55.40
R/L STH 42 FLANGE RT-MID
R/L STH 42 BOW RT-MID
R/L SCHOOL PE-FLANGE
PCC: 61+17.43
PCC: 10+93.24
PCC: 12+34.91
PT: 11+80.01
PT: 62+11.14
PT: 12+86.39
PC: 12+73.28
PC: 63+64.95
PC: 14+84.77
PC: 7+88.31
PT: 13+30.96
PC: 56+03.85
PCC: 5+41.95
PT: 6+15.83
PT: 54+32.14
PCC: 53+93.10

L8 L7 L24 L5 L14 L37 L39 L33 L43 L12 L38

C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C17 C18 C19 C1 C2 C3 C5 C6 C7 C8 C9 C10 C11 C12

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN - BACK OF SIDEWALK & FLANGE LINES	SHEET 203	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 027209-AD
PLOT DATE : 7/27/2018 8:42 AM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

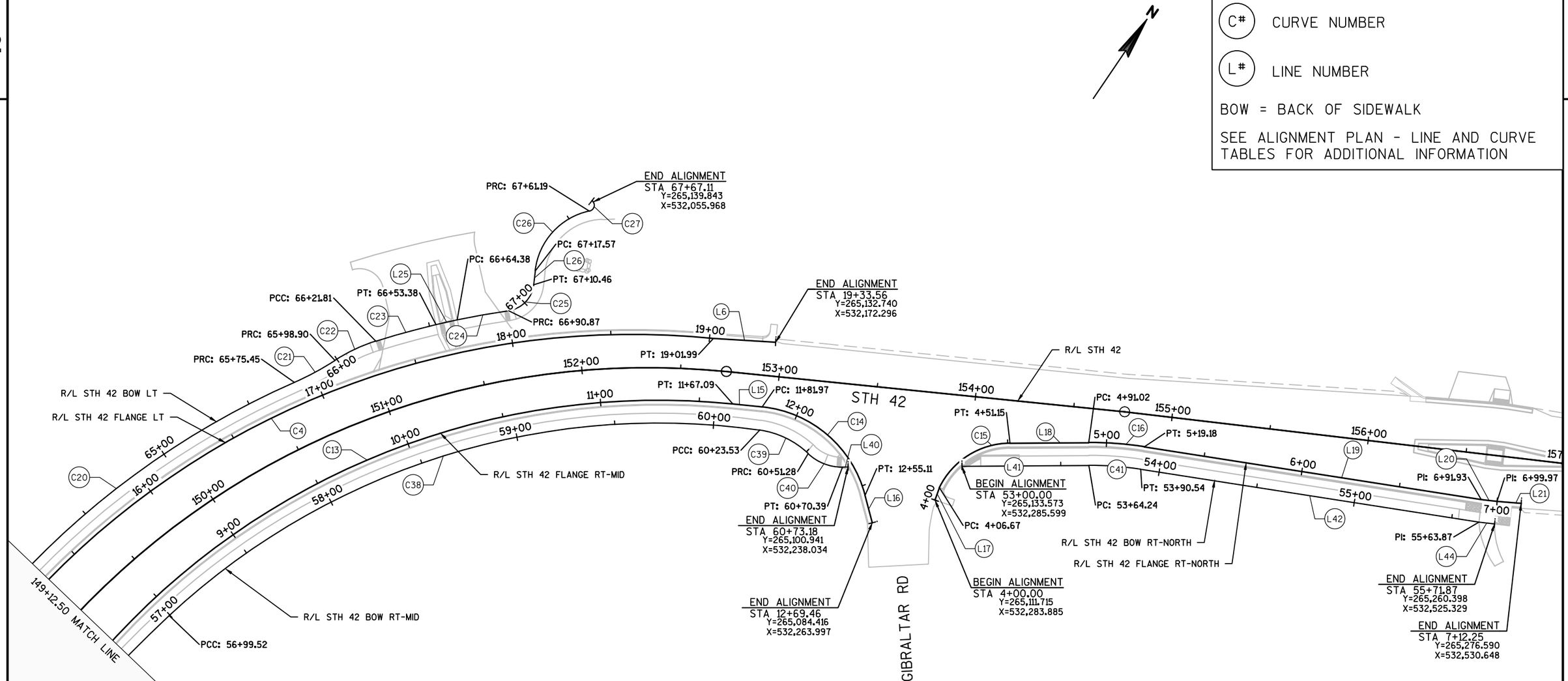
2

C# CURVE NUMBER

L# LINE NUMBER

BOW = BACK OF SIDEWALK

SEE ALIGNMENT PLAN - LINE AND CURVE TABLES FOR ADDITIONAL INFORMATION



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN - BACK OF SIDEWALK & FLANGE LINES	SHEET 204	E

STH 42 Flange LT						
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting
L1		5.00	S75°25'49"E	1+00.00	264559.284	530869.394
L2		25.12	S66°16'06"E	1+05.00	264558.026	530874.233
L3		487.08	S75°25'49"E	1+30.12	264547.916	530897.231
L4		249.40	S77°25'59"E	6+17.21	264425.386	531368.651
C1	296.00	85.79	S85°44'12"E	8+66.61	264371.122	531612.077
C2	229.73	282.51	N50°43'52"E	9+52.40	264364.766	531697.329
C3	471.00	96.06	N09°39'33"E	12+34.91	264532.529	531902.522
L5		153.81	N03°49'00"E	13+30.96	264627.060	531918.612
C4	413.00	417.22	N32°45'26"E	14+84.77	264780.527	531928.850
L6		31.57	N59°23'34"E	19+01.99	265116.665	532145.122
School PE - Flange						
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting
C5	156.50	93.24	N26°35'20"E	10+00.00	264462.737	531844.417
C6	1007.50	86.77	N07°03'16"E	10+93.24	264544.885	531885.534
L7		93.27	N04°35'13"E	11+80.01	264630.974	531896.187
C7	8.50	13.11	N48°46'20"E	12+73.28	264723.942	531903.646
L8		3.24	S87°02'34"E	12+86.39	264731.751	531912.557
STH 42 Flange RT - South						
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting
L9		50.94	S75°25'49"E	2+00.00	264514.282	530883.523
L10		87.34	S78°03'19"E	2+50.94	264501.467	530932.827
L11		613.74	S75°25'49"E	3+38.28	264483.390	531018.278
C8	273.73	166.38	N87°09'25"E	9+52.03	264328.998	531612.286
C9	60.00	74.98	S74°27'13"E	11+18.41	264337.124	531775.915
L12		19.73	S39°42'20"E	11+93.39	264318.310	531843.546
STH 42 Flange RT - Mid						
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting
C10	59.99	74.66	N00°30'33"W	3+06.66	264329.532	531886.342
C11	441.00	160.62	N24°42'11"E	3+81.32	264399.463	531885.721
C12	405.00	73.88	N09°02'34"E	5+41.95	264544.581	531952.476
L14		172.49	N03°49'00"E	6+15.83	264617.442	531964.072
C13	375.00	378.78	N32°45'11"E	7+88.31	264789.547	531975.554
L15		14.89	N61°41'22"E	11+67.09	265094.731	532171.879
C14	60.00	73.13	S83°23'29"E	11+81.97	265101.790	532184.984
L16		14.35	S48°42'13"E	12+55.11	265093.885	532253.217
STH 42 Flange RT - North						
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting
L17		6.67	N14°24'36"W	4+00.00	265111.715	532283.885
C15	40.00	44.49	N23°41'13"E	4+06.67	265118.172	532282.226
L18		39.86	N55°32'54"E	4+51.15	265156.843	532299.191
C16	174.00	28.17	N60°11'09"E	4+91.02	265179.395	532332.062
L19		172.75	N64°49'24"E	5+19.18	265193.384	532356.475
L20		8.04	N62°39'26"E	6+91.93	265266.873	532512.813
L21		12.27	N60°36'16"E	6+99.97	265270.566	532519.955

STH 42 BOW LT						
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting
L22		5.95	S75°45'13"E	50+00.00	264567.100	530871.474
L23		24.75	S67°00'59"E	50+05.95	264565.636	530877.238
L27		16.70	S75°25'49"E	50+30.70	264555.972	530900.023
L28		8.95	S85°04'35"E	50+47.39	264551.772	530916.184
L29		194.00	S75°25'49"E	50+56.35	264551.004	530925.102
L30		4.97	S57°51'08"E	52+50.35	264502.201	531112.864
L31		262.00	S75°25'49"E	52+55.31	264499.559	531117.069
L32		125.60	S77°25'59"E	55+17.31	264433.650	531370.646
L33		130.41	S78°47'10"E	56+42.91	264406.323	531493.233
L43		130.41	S78°47'10"E	56+42.91	264406.323	531493.233
C17	284.50	75.74	S86°24'46"E	57+73.32	264380.963	531621.150
C18	218.23	268.37	N50°43'52"E	58+49.06	264376.238	531696.519
C19	459.50	93.71	N09°39'33"E	61+17.43	264535.603	531891.441
L24		153.81	N03°49'00"E	62+11.14	264627.825	531907.137
C20	424.50	210.50	N18°01'21"E	63+64.95	264781.293	531917.376
C21	145.00	23.46	N27°35'39"E	65+75.45	264979.419	531981.837
C22	85.00	22.91	N30°40'50"E	65+98.90	265000.184	531992.690
C23	429.50	31.57	N40°30'24"E	66+21.81	265019.825	532004.343
L25		11.00	N43°20'46"E	66+53.38	265043.822	532024.843
C24	429.67	26.49	N45°50'47"E	66+64.38	265051.821	532032.393
C25	14.96	19.59	N09°53'51"E	66+90.87	265070.273	532051.399
L26		7.11	N27°30'54"W	67+10.46	265088.221	532054.530
C26	35.00	43.62	N08°11'08"E	67+17.57	265094.528	532051.245
C27	3.00	6.81	N21°08'36"W	67+61.19	265134.960	532057.061
STH 42 BOW RT - SOUTH						
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting
L34		51.13	S75°30'09"E	51+00.00	264505.992	530881.373
L35		87.34	S78°03'19"E	51+51.13	264493.192	530930.878
L36		613.55	S75°25'49"E	52+38.47	264475.115	531016.328
C28	282.23	43.57	S79°51'10"E	58+52.02	264320.772	531610.147
L37		41.26	S84°16'32"E	58+95.59	264313.103	531652.994
C29	285.23	67.04	N80°40'27"E	59+36.85	264308.988	531694.048
C30	95.00	29.79	N82°55'29"E	60+03.89	264319.826	531760.049
C31	52.82	17.13	N82°36'59"E	60+33.68	264323.481	531789.492
C32	52.82	16.56	N64°20'39"E	60+50.82	264325.673	531806.410
STH 42 BOW RT - MID						
Number	Radius	Length	Line/Chord Direction	Start Station	Northing	Easting
L38		4.71	N55°07'07"E	52+00.00	264372.180	531877.746
C33	80.00	50.68	N36°58'12"E	52+04.71	264374.876	531881.614
C34	80.00	15.29	N24°17'43"E	52+55.40	264414.693	531911.586
C35	452.50	122.42	N22°01'08"E	52+70.68	264428.604	531917.866
C36	198.12	39.04	N09°34'32"E	53+93.10	264541.746	531963.622
L39		171.72	N03°49'00"E	54+32.14	264580.179	531970.105
C37	600.00	95.67	N08°23'05"E	56+03.85	264751.515	531981.536
C38	363.50	324.01	N38°29'17"E	56+99.52	264846.061	531995.471
C39	45.00	27.74	N81°41'12"E	60+23.53	265091.362	532190.510
C40	25.00	19.11	N77°26'56"E	60+51.28	265095.311	532217.530
L40		2.79	N55°32'54"E	60+70.39	265099.363	532235.734

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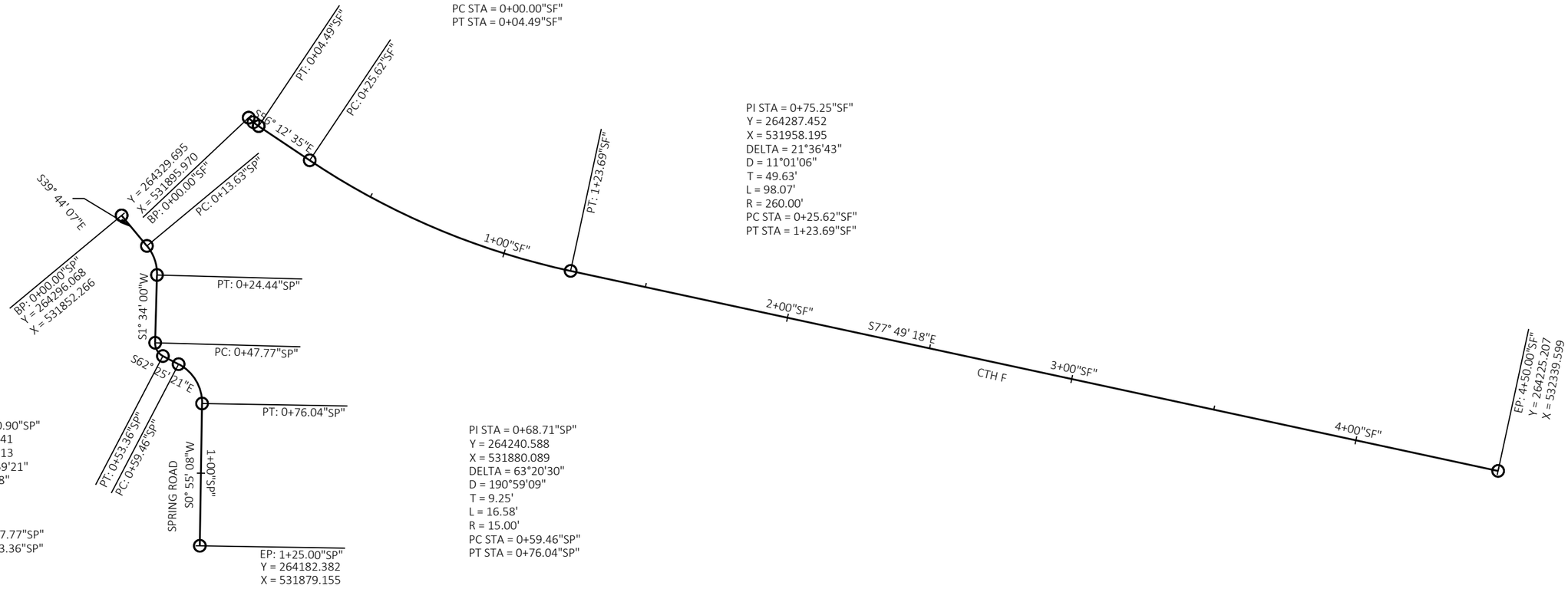
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PI STA = 0+19.28"SP"
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PI STA = 0+50.90"SP"
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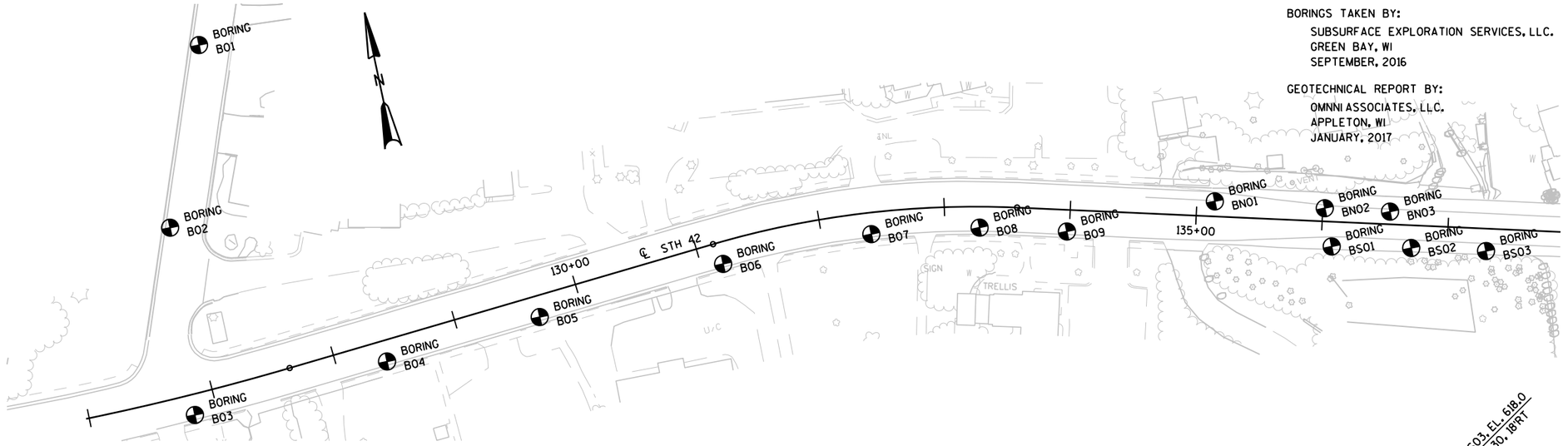
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	ALIGNMENT PLAN - CTH F & SPRING RD SIDEWALKS	SHEET 206	E

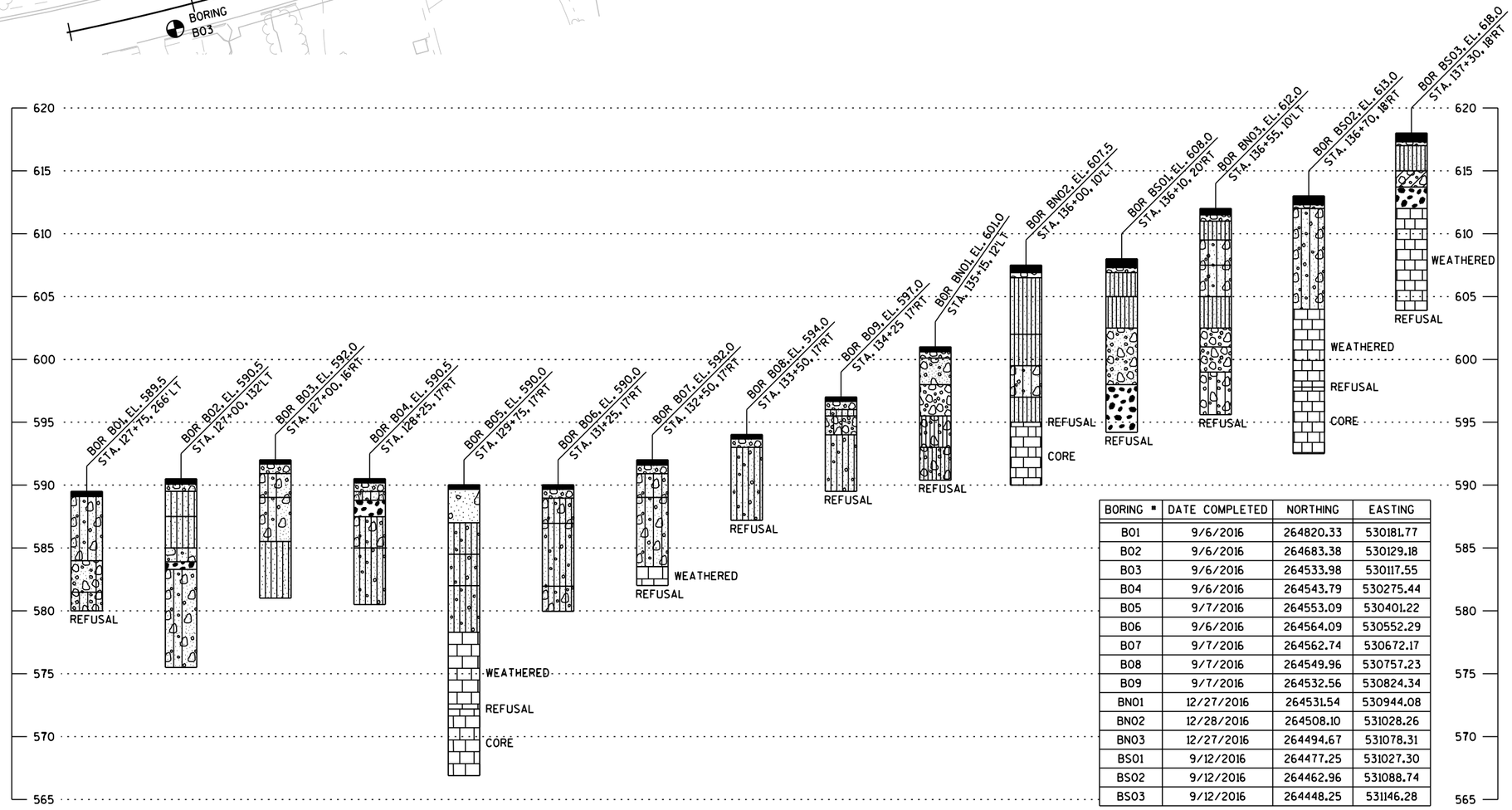
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PLOT DATE : 7/24/2018 9:55 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : ##########



BORINGS TAKEN BY:
SUBSURFACE EXPLORATION SERVICES, LLC.
GREEN BAY, WI
SEPTEMBER, 2016

GEOTECHNICAL REPORT BY:
OMNNI ASSOCIATES, LLC.
APPLETON, WI
JANUARY, 2017



BORING #	DATE COMPLETED	NORTHING	EASTING
B01	9/6/2016	264820.33	530181.77
B02	9/6/2016	264683.38	530129.18
B03	9/6/2016	264533.98	530117.55
B04	9/6/2016	264543.79	530275.44
B05	9/7/2016	264553.09	530401.22
B06	9/6/2016	264564.09	530552.29
B07	9/7/2016	264562.74	530672.17
B08	9/7/2016	264549.96	530757.23
B09	9/7/2016	264532.56	530824.34
BN01	12/27/2016	264531.54	530944.08
BN02	12/28/2016	264508.10	531028.26
BN03	12/27/2016	264494.67	531078.31
BS01	9/12/2016	264477.25	531027.30
BS02	9/12/2016	264462.96	531088.74
BS03	9/12/2016	264448.25	531146.28

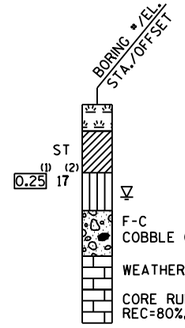
STATE PROJECT NUMBER

4140-19-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

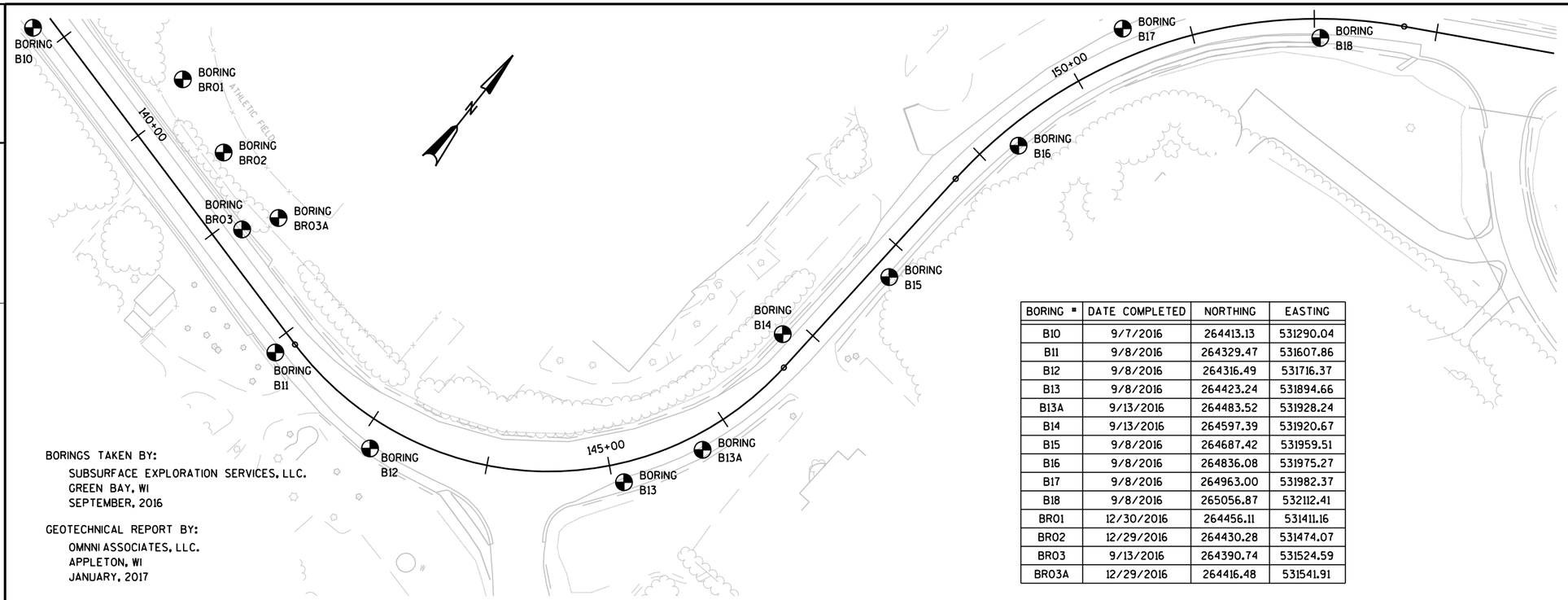
- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

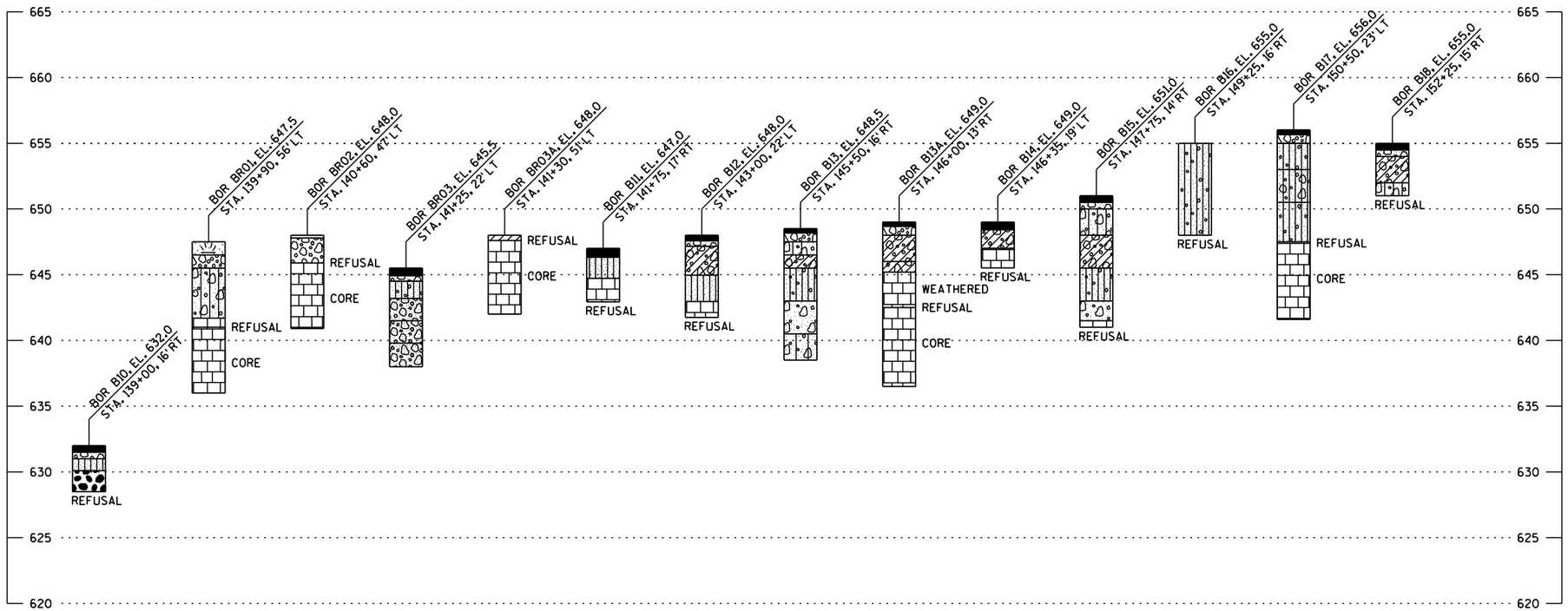
BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.



BORINGS TAKEN BY:
SUBSURFACE EXPLORATION SERVICES, LLC.
GREEN BAY, WI
SEPTEMBER, 2016

GEOTECHNICAL REPORT BY:
OMNNI ASSOCIATES, LLC.
APPLETON, WI
JANUARY, 2017

BORING #	DATE COMPLETED	NORTHING	EASTING
B10	9/7/2016	264413.13	531290.04
B11	9/8/2016	264329.47	531607.86
B12	9/8/2016	264316.49	531716.37
B13	9/8/2016	264423.24	531894.66
B13A	9/13/2016	264483.52	531928.24
B14	9/13/2016	264597.39	531920.67
B15	9/8/2016	264687.42	531959.51
B16	9/8/2016	264836.08	531975.27
B17	9/8/2016	264963.00	531982.37
B18	9/8/2016	265056.87	532112.41
BR01	12/30/2016	264456.11	531411.16
BR02	12/29/2016	264430.28	531474.07
BR03	9/13/2016	264390.74	531524.59
BR03A	12/29/2016	264416.48	531541.91



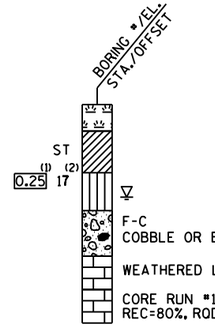
STATE PROJECT NUMBER

4140-19-71

MATERIAL SYMBOLS

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SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
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LEGEND OF BORING



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GROUND WATER ELEVATION

- AT TIME OF DRILLING
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ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	SUBSURFACE EXPLORATION	SHEET 208	E	2.3

4140-19-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	24.000	24.000
0004	201.0205	Grubbing	STA	24.000	24.000
0006	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000
0008	204.0100	Removing Pavement	SY	68.000	68.000
0010	204.0110	Removing Asphaltic Surface	SY	22.000	22.000
0012	204.0115	Removing Asphaltic Surface Butt Joints	SY	5,835.000	5,835.000
0014	204.0120	Removing Asphaltic Surface Milling	SY	159,410.000	159,410.000
0016	204.0130	Removing Curb	LF	128.000	128.000
0018	204.0150	Removing Curb & Gutter	LF	2,010.000	2,010.000
0020	204.0155	Removing Concrete Sidewalk	SY	837.000	837.000
0022	204.0165	Removing Guardrail	LF	1,740.000	1,740.000
0024	204.0170	Removing Fence	LF	591.000	591.000
0026	204.0195	Removing Concrete Bases	EACH	37.000	37.000
0028	204.0210	Removing Manholes	EACH	14.000	14.000
0030	204.0215	Removing Catch Basins	EACH	1.000	1.000
0032	204.0220	Removing Inlets	EACH	14.000	14.000
0034	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	1,109.000	1,109.000
0036	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	954.000	954.000
0038	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	120.000	120.000
0040	204.0245	Removing Storm Sewer (size) 04. 24-Inch	LF	558.000	558.000
0042	204.0245	Removing Storm Sewer (size) 05. 30-Inch	LF	246.000	246.000
0044	204.0245	Removing Storm Sewer (size) 06. 36-Inch	LF	67.000	67.000
0046	204.0280	Sealing Pipes	EACH	3.000	3.000
0048	204.0291.S	Abandoning Sewer	CY	3.000	3.000
0050	204.9001.S	Removing Advance Flasher Assemblies Type 1	EACH	2.000	2.000
0052	204.9002.S	Removing Advance Flasher Assemblies Type 2	EACH	2.000	2.000
0054	204.9090.S	Removing (item description) 01. Cables or Conduit	LF	5,628.000	5,628.000
0056	205.0100	Excavation Common	CY	7,135.000	7,135.000
0058	205.0200	Excavation Rock	CY	192.000	192.000
0060	205.1300	Presplitting Rock	LF	199.000	199.000
0062	208.0100	Borrow	CY	81.000	81.000
0064	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 4140-19-71	LS	1.000	1.000
0066	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	50.000	50.000
0068	213.0100	Finishing Roadway (project) 02. 4140-19-71	EACH	1.000	1.000
0070	305.0110	Base Aggregate Dense 3/4-Inch	TON	4,392.000	4,392.000
0072	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	13,270.000	13,270.000
0074	305.0500	Shaping Shoulders	STA	3.000	3.000
0076	312.0110	Select Crushed Material	TON	24.000	24.000
0078	315.0100	Asphaltic Base	TON	2,520.000	2,520.000

4140-19-71

Line	Item	Item Description	Unit	Total	Qty
0080	405.0200	Coloring Concrete Custom	CY	8.000	8.000
0082	416.0160	Concrete Driveway 6-Inch	SY	450.000	450.000
0084	450.4000	HMA Cold Weather Paving	TON	960.000	960.000
0086	455.0605	Tack Coat	GAL	18,350.000	18,350.000
0088	460.2005	Incentive Density PWL HMA Pavement	DOL	22,089.000	22,089.000
0090	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	16,391.000	16,391.000
0092	460.2010	Incentive Air Voids HMA Pavement	DOL	33,810.000	33,810.000
0094	460.5223	HMA Pavement 3 LT 58-28 S	TON	15,090.000	15,090.000
0096	460.5224	HMA Pavement 4 LT 58-28 S	TON	18,720.000	18,720.000
0098	465.0105	Asphaltic Surface	TON	1.000	1.000
0100	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	535.000	535.000
0102	465.0310	Asphaltic Curb	LF	5.000	5.000
0104	465.0315	Asphaltic Flumes	SY	41.000	41.000
0106	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	5,181.000	5,181.000
0108	511.1200	Temporary Shoring (structure) 01. R-15-11	SF	450.000	450.000
0110	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	2.000	2.000
0112	520.4115	Culvert Pipe Class IV 15-Inch	LF	64.000	64.000
0114	520.8000	Concrete Collars for Pipe	EACH	20.000	20.000
0116	521.1030	Apron Endwalls for Culvert Pipe Steel 30-Inch	EACH	2.000	2.000
0118	521.1217	Apron Endwalls for Pipe Arch Steel 17x13-Inch	EACH	4.000	4.000
0120	521.3130	Culvert Pipe Corrugated Steel 30-Inch	LF	4.000	4.000
0122	521.3717	Pipe Arch Corrugated Steel 17x13-Inch	LF	30.000	30.000
0124	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000
0126	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0128	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0130	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	1.000	1.000
0132	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	1.000	1.000
0134	522.2629	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 29x45-Inch	EACH	1.000	1.000
0136	601.0110	Concrete Curb Type D	LF	10.000	10.000
0138	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	287.000	287.000
0140	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	6,391.000	6,391.000
0142	601.0576	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type J	LF	54.000	54.000
0144	601.0600	Concrete Curb Pedestrian	LF	485.000	485.000
0146	602.0405	Concrete Sidewalk 4-Inch	SF	32,925.000	32,925.000
0148	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	434.000	434.000

4140-19-71

Line	Item	Item Description	Unit	Total	Qty
0150	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	31.000	31.000
0152	606.0200	Riprap Medium	CY	8.000	8.000
0154	608.0005	Storm Sewer Rock Excavation	CY	358.000	358.000
0156	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	44.000	44.000
0158	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	390.000	390.000
0160	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	320.000	320.000
0162	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	141.000	141.000
0164	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	37.000	37.000
0166	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	420.000	420.000
0168	608.2319	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	91.000	91.000
0170	608.2324	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF	198.000	198.000
0172	608.2329	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	64.000	64.000
0174	608.2419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	763.000	763.000
0176	608.2424	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	154.000	154.000
0178	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	614.000	614.000
0180	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	263.000	263.000
0182	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	621.000	621.000
0184	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	87.000	87.000
0186	608.3024	Storm Sewer Pipe Class III-A 24-Inch	LF	1,453.000	1,453.000
0188	608.6008	Storm Sewer Pipe Composite 8-Inch	LF	14.000	14.000
0190	611.0530	Manhole Covers Type J	EACH	2.000	2.000
0192	611.0535	Manhole Covers Type J-Special	EACH	31.000	31.000
0194	611.0612	Inlet Covers Type C	EACH	2.000	2.000
0196	611.0624	Inlet Covers Type H	EACH	37.000	37.000
0198	611.0639	Inlet Covers Type H-S	EACH	8.000	8.000
0200	611.0642	Inlet Covers Type MS	EACH	4.000	4.000
0202	611.0645	Inlet Covers Type MS-A	EACH	1.000	1.000
0204	611.0654	Inlet Covers Type V	EACH	2.000	2.000
0206	611.0666	Inlet Covers Type Z	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0208	611.1003	Catch Basins 3-FT Diameter	EACH	4.000	4.000
0210	611.1004	Catch Basins 4-FT Diameter	EACH	7.000	7.000
0212	611.1005	Catch Basins 5-FT Diameter	EACH	1.000	1.000
0214	611.1006	Catch Basins 6-FT Diameter	EACH	2.000	2.000
0216	611.1230	Catch Basins 2x3-FT	EACH	27.000	27.000
0218	611.2004	Manholes 4-FT Diameter	EACH	6.000	6.000
0220	611.2005	Manholes 5-FT Diameter	EACH	18.000	18.000
0222	611.2006	Manholes 6-FT Diameter	EACH	4.000	4.000
0224	611.2007	Manholes 7-FT Diameter	EACH	5.000	5.000
0226	611.3004	Inlets 4-FT Diameter	EACH	1.000	1.000
0228	611.3230	Inlets 2x3-FT	EACH	7.000	7.000
0230	611.3901	Inlets Median 1 Grate	EACH	4.000	4.000
0232	611.8110	Adjusting Manhole Covers	EACH	33.000	33.000
0234	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0236	611.8120.S	Cover Plates Temporary	EACH	33.000	33.000
0238	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	31.000	31.000
0240	612.0406	Pipe Underdrain Wrapped 6-Inch 01. (R-15-11)	LF	194.000	194.000
0242	612.0406	Pipe Underdrain Wrapped 6-Inch 02. (R-15-12)	LF	192.000	192.000
0244	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-INCH	SY	36.000	36.000
0246	614.2300	MGS Guardrail 3	LF	1,266.000	1,266.000
0248	614.2330	MGS Guardrail 3 K	LF	575.000	575.000
0250	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0252	616.0205	Fence Chain Link 5-FT	LF	403.000	403.000
0254	616.0700.S	Fence Safety	LF	739.000	739.000
0256	618.0100	Maintenance And Repair of Haul Roads (project) 01. 4140-19-71	EACH	1.000	1.000
0258	619.1000	Mobilization	EACH	1.000	1.000
0260	620.0300	Concrete Median Sloped Nose	SF	287.000	287.000
0262	624.0100	Water	MGAL	131.400	131.400
0264	625.0100	Topsoil	SY	139.000	139.000
0266	625.0500	Salvaged Topsoil	SY	4,645.000	4,645.000
0268	627.0200	Mulching	SY	1,430.000	1,430.000
0270	628.1504	Silt Fence	LF	8,032.000	8,032.000
0272	628.1520	Silt Fence Maintenance	LF	8,032.000	8,032.000
0274	628.1905	Mobilizations Erosion Control	EACH	8.000	8.000
0276	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0278	628.2004	Erosion Mat Class I Type B	SY	3,105.000	3,105.000
0280	628.6510	Soil Stabilizer Type B	ACRE	0.800	0.800
0282	628.7005	Inlet Protection Type A	EACH	2.000	2.000
0284	628.7010	Inlet Protection Type B	EACH	24.000	24.000

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Line	Item	Item Description	Unit	Total	Qty
0286	628.7015	Inlet Protection Type C	EACH	35.000	35.000
0288	628.7020	Inlet Protection Type D	EACH	42.000	42.000
0290	628.7504	Temporary Ditch Checks	LF	89.000	89.000
0292	628.7555	Culvert Pipe Checks	EACH	41.000	41.000
0294	628.7570	Rock Bags	EACH	420.000	420.000
0296	629.0210	Fertilizer Type B	CWT	8.800	8.800
0298	630.0110	Seeding Mixture No. 10	LB	45.000	45.000
0300	630.0140	Seeding Mixture No. 40	LB	21.000	21.000
0302	630.0200	Seeding Temporary	LB	260.000	260.000
0304	631.0300	Sod Water	MGAL	931.000	931.000
0306	631.1000	Sod Lawn	SY	8,306.000	8,306.000
0308	633.5200	Markers Culvert End	EACH	13.000	13.000
0310	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	150.000	150.000
0312	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	87.000	87.000
0314	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	7.000	7.000
0316	637.2210	Signs Type II Reflective H	SF	1,137.460	1,137.460
0318	637.2220	Signs Type II Reflective SH	SF	2.250	2.250
0320	637.2230	Signs Type II Reflective F	SF	597.250	597.250
0322	638.2102	Moving Signs Type II	EACH	2.000	2.000
0324	638.2602	Removing Signs Type II	EACH	231.000	231.000
0326	638.3000	Removing Small Sign Supports	EACH	235.000	235.000
0328	642.5401	Field Office Type D	EACH	1.000	1.000
0330	643.0300	Traffic Control Drums	DAY	12,315.000	12,315.000
0332	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000
0334	643.0410	Traffic Control Barricades Type II	DAY	1,470.000	1,470.000
0336	643.0420	Traffic Control Barricades Type III	DAY	4,112.000	4,112.000
0338	643.0705	Traffic Control Warning Lights Type A	DAY	5,188.000	5,188.000
0340	643.0900	Traffic Control Signs	DAY	18,041.000	18,041.000
0342	643.0920	Traffic Control Covering Signs Type II	EACH	1.000	1.000
0344	643.1000	Traffic Control Signs Fixed Message	SF	66.000	66.000
0346	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0348	643.5000	Traffic Control	EACH	1.000	1.000
0350	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	665.000	665.000
0352	644.1430.S	Temporary Pedestrian Surface Plate	SF	475.000	475.000
0354	644.1601.S	Temporary Curb Ramp	EACH	9.000	9.000
0356	644.1616.S	Temporary Pedestrian Safety Fence	LF	3,040.000	3,040.000
0358	645.0120	Geotextile Type HR	SY	51.000	51.000
0360	646.1020	Marking Line Epoxy 4-Inch	LF	38,627.000	38,627.000
0362	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	43,400.000	43,400.000
0364	646.3020	Marking Line Epoxy 8-Inch	LF	424.000	424.000

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Line	Item	Item Description	Unit	Total	Qty
0366	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	52,973.000	52,973.000
0368	646.5020	Marking Arrow Epoxy	EACH	6.000	6.000
0370	646.5120	Marking Word Epoxy	EACH	2.000	2.000
0372	646.6120	Marking Stop Line Epoxy 18-Inch	LF	182.000	182.000
0374	646.7120	Marking Diagonal Epoxy 12-Inch	LF	377.000	377.000
0376	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	2,230.000	2,230.000
0378	646.8120	Marking Curb Epoxy	LF	2,475.000	2,475.000
0380	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0382	646.8320	Marking Parking Stall Epoxy	LF	6,689.000	6,689.000
0384	648.0100	Locating No-Passing Zones	MI	5.890	5.890
0386	649.0105	Temporary Marking Line Paint 4-Inch	LF	95,503.000	95,503.000
0388	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	1,236.000	1,236.000
0390	650.4000	Construction Staking Storm Sewer	EACH	94.000	94.000
0392	650.4500	Construction Staking Subgrade	LF	9,496.000	9,496.000
0394	650.5000	Construction Staking Base	LF	9,496.000	9,496.000
0396	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	6,716.000	6,716.000
0398	650.6000	Construction Staking Pipe Culverts	EACH	4.000	4.000
0400	650.8000	Construction Staking Resurfacing Reference	LF	44,109.000	44,109.000
0402	650.8500	Construction Staking Electrical Installations (project) 01. 4140-19-71	LS	1.000	1.000
0404	650.9000	Construction Staking Curb Ramps	EACH	40.000	40.000
0406	650.9910	Construction Staking Supplemental Control (project) 01. 4140-19-71	LS	1.000	1.000
0408	650.9920	Construction Staking Slope Stakes	LF	7,796.000	7,796.000
0410	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	5,779.000	5,779.000
0412	652.0605	Conduit Special 2-Inch	LF	6,727.000	6,727.000
0414	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	2.000	2.000
0416	654.0102	Concrete Bases Type 2	EACH	1.000	1.000
0418	654.0220	Concrete Control Cabinet Bases Type 10	EACH	1.000	1.000
0420	655.0230	Cable Traffic Signal 5-14 AWG	LF	60.000	60.000
0422	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	30.000	30.000
0424	655.0610	Electrical Wire Lighting 12 AWG	LF	7,875.000	7,875.000
0426	655.0625	Electrical Wire Lighting 6 AWG	LF	40,545.000	40,545.000
0428	655.0630	Electrical Wire Lighting 4 AWG	LF	40,545.000	40,545.000
0430	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. STH 42 & Main St.	LS	1.000	1.000
0432	657.0305	Poles Type 2	EACH	1.000	1.000
0434	657.0590	Trombone Arms 20-FT	EACH	1.000	1.000
0436	658.0171	Traffic Signal Face 1S 12-Inch	EACH	2.000	2.000
0438	658.5069	Signal Mounting Hardware (location) 01. STH 42 & Main St.	LS	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0440	690.0150	Sawing Asphalt	LF	15,249.000	15,249.000
0442	690.0250	Sawing Concrete	LF	759.000	759.000
0444	740.0440	Incentive IRI Ride	DOL	16,460.000	16,460.000
0446	SPV.0060	Special 01. Stormwater Treatment Device	EACH	1.000	1.000
0448	SPV.0060	Special 02. Salvage Lighting Unit	EACH	7.000	7.000
0450	SPV.0060	Special 03. Reconnecting Storm Sewer Laterals	EACH	7.000	7.000
0452	SPV.0060	Special 04. Removing Lighting Unit	EACH	27.000	27.000
0454	SPV.0060	Special 05. Install Lighting Unit Type Special	EACH	75.000	75.000
0456	SPV.0060	Special 06. Lighting Control Cabinet Base Type Special	EACH	2.000	2.000
0458	SPV.0060	Special 07. Concrete Bases Type Special	EACH	73.000	73.000
0460	SPV.0060	Special 08. Trimming Trees	EACH	2.000	2.000
0462	SPV.0060	Special 09. Pipe Inlet Structure	EACH	1.000	1.000
0464	SPV.0060	Special 10. Inlets Median 1 Grate Special	EACH	1.000	1.000
0466	SPV.0060	Special 11. Manhole special 8-FT	EACH	1.000	1.000
0468	SPV.0060	Special 12. Removing Landscape Rocks	EACH	10.000	10.000
0470	SPV.0060	Special 13. Lighting Control Cabinets Type Special	EACH	2.000	2.000
0472	SPV.0060	Special 14. Concrete Base Spread Footing	EACH	2.000	2.000
0474	SPV.0060	Special 15. HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0476	SPV.0060	Special 16. HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000
0478	SPV.0075	Special 01. Street Sweeping	HRS	48.000	48.000
0480	SPV.0090	Special 01. Fence Chain Link Polymer Coated 4-FT (R-15-11)	LF	193.000	193.000
0482	SPV.0090	Special 02. Fence Chain Link Polymer Coated 4- FT (R-15-12)	LF	191.000	191.000
0484	SPV.0090	Special 03. Concrete Cold Weather Covering Curb and Gutter Plastic 1 Layer	LF	3,000.000	3,000.000
0486	SPV.0090	Special 04. Concrete Cold Weather Covering Curb and Gutter Plastic 2 Layers	LF	3,000.000	3,000.000
0488	SPV.0090	Special 05. Concrete Cold Weather Covering Curb and Gutter Plastic/Hay/Plastic	LF	3,000.000	3,000.000
0490	SPV.0090	Special 06. Joint Ties	LF	528.000	528.000
0492	SPV.0105	Special 01. Retaining Wall Planting Area	LS	1.000	1.000
0494	SPV.0105	Special 02. Splitter Island Planting Area	LS	1.000	1.000
0496	SPV.0105	Special 05. Removing Flashing Beacon (STH 42 & Main St.)	LS	1.000	1.000
0498	SPV.0165	Special 01. Wall Modular Block Mechanically Stabilized Earth (R-15-11)	SF	1,611.000	1,611.000
0500	SPV.0165	Special 02. Wall Modular Block Mechanically Stabilized Earth (R-15-12)	SF	1,033.000	1,033.000
0502	SPV.0165	Special 03. Crosswalk Apron Pavers	SF	160.000	160.000

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Line	Item	Item Description	Unit	Total	Qty
0504	SPV.0165	Special 04. Concrete Weir Inside Manhole	SF	10.300	10.300
0506	SPV.0165	Special 05. Concrete Cold Weather Covering Sidewalk Plastic 1 Layer	SF	12,000.000	12,000.000
0508	SPV.0165	Special 06. Concrete Cold Weather Covering Sidewalk Plastic 2 Layers	SF	12,000.000	12,000.000
0510	SPV.0165	Special 07. Concrete Cold Weather Covering Sidewalk Plastic/Hay/Plastic	SF	12,000.000	12,000.000

CLEARING AND GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	SPV.00060.08 TRIMMING TREES EACH	REMARKS
0010	134+00	-	138+00	STH 42 LT & RT	4	4	---	SEE PLAN FOR TREES TO REMAIN
0010	138+00	-	143+00	STH 42 LT	5	5	---	
0010	141+49		141+67	STH 42 RT	---	---	2	TRIM UP TO 3-FT FROM GROUND
0010	146+00	-	151+00	STH 42 RT	5	5	---	LIMITS 3' BEYOND SI
0010	155+00	-	158+00	STH 42 RT	3	3	---	SEE PLAN FOR 8 TREE REMOVALS
0010	474+62		476+94	STH 42 LT	3	3	---	CLEAR UP TO 5' FROM SLOPE INTERCEPT
				SUBTOTAL 0010	20	20	2	
0060	107+00	-	108+00	STH 42 LT	1	1	---	EXISTING STORM SEWER OUTFALL
0060	13+00	-	16+00	SHORE ROAD LT	3	3	---	
				SUBTOTAL 0060	4	4	---	
				TOTAL	24	24	2	

REMOVING GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	204.0165 LF
0010	475+86	-	484+61	STH 42 RT	876
0010	475+92	-	484+54	STH 42 LT	864
				SUBTOTAL 0010	1740
				TOTAL	1740

REMOVING FENCE

CATEGORY	STATION	TO	STATION	LOCATION	204.0170 LF	REMARKS
0010	139+11	-	142+89	STH 42 LT	365	GIBRALTAR SCHOOL
0010	155+97	-	158+33	STH 42 RT	226	YMCA
				SUBTOTAL 0010	591	
				TOTAL	591	

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REMOVING DRAINAGE

CATG	STA.	TO	STA.	LOCATION	203.0100 REMOVING SMALL CULVERT PIPE EACH	204.0210 REMOVING MANHOLES EACH	204.0215 REMOVING CATCH BASINS EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER - REINFORCED CONCRETE* 12-INCH OR LESS LF	204.0245.02 15-INCH LF	204.0245.03 18-INCH LF	204.0245.04 24-INCH LF	204.0245.05 30-Inch LF	204.0245.06 36-INCH LF	204.0280 SEALING PIPES EACH	204.0291.S ABANDONING SEWER CY	REMARKS
0010	49+78	-	49+88	MAIN ST LT	---	---	---	1	---	8	---	---	---	---	---	---	
0010	102+89	-	103+07	STH 42 RT	---	---	---	---	---	18	---	---	---	---	---	---	EXISTING MH OVERLAID WITH HMA
0010	104+57	-	104+75	STH 42 RT	---	---	---	---	---	18	---	---	---	---	---	---	
0010	109+52	-	109+73	STH 42 RT	---	---	---	---	---	22	---	---	---	---	---	---	REMOVE FROM EXISTING STRUCTURE
0010	109+56	-	109+57	STH 42 LT	---	---	---	1	8	---	---	---	---	---	---	---	
0010	118+68	-	118+76	STH 42 RT	---	---	---	1	---	8	---	---	---	---	---	---	
0010	119+64	-	119+76	STH 42	---	---	---	---	23	---	---	---	---	---	---	---	
0010	119+68	-	123+57	STH 42	---	2	---	---	---	386	---	---	---	---	---	---	
0010	10+30	-	10+68	SHORE RD	---	1	---	---	---	---	---	71	---	---	---	---	
0010	10+42	-	10+68	SHORE RD LT	---	---	---	1	27	---	---	---	---	---	---	---	
0010	10+68	-	13+40	SHORE RD LT	---	1	---	---	---	---	---	272	---	---	---	---	
0010	13+40			SHORE RD LT OUTFALL	---	1	---	---	---	---	---	---	---	67	---	---	
0010	13+25	-	13+40	SHORE RD RT	---	---	---	1	---	---	41	---	---	---	---	---	
0010	126+79	-	127+02	STH 42	---	---	---	1	42	---	---	---	---	---	---	---	
0010	127+02	-	129+17	STH 42 LT	---	1	---	---	---	---	---	215	---	---	---	---	
0010	129+17	-	129+25	STH 42 LT	---	---	---	1	10	---	---	---	---	---	---	---	
0010	129+17	-	129+74	STH 42	---	1	---	---	---	---	71	---	---	---	---	---	
0010	129+74	-	130+12	STH 42 RT	---	---	---	1	38	---	---	---	---	---	---	---	
0010	129+74	-	129+78	STH 42 RT	---	---	---	---	---	10	---	---	---	---	---	---	
0010	129+17	-	131+24	STH 42 LT	---	1	---	---	---	206	---	---	---	---	---	---	
0010	131+24	-	131+36	STH 42	---	---	---	1	33	---	---	---	---	---	---	---	
0010	131+36	-	132+04	STH 42 LT	---	1	---	---	---	80	---	---	---	---	---	---	
0010	132+00	-	132+04	STH 42 LT	---	---	---	---	18	---	---	---	---	---	1	---	REMOVE SS TO 2-FT BEHIND BACK OF CURB
0010	132+04	-	132+14	STH 42 LT	---	---	---	1	12	---	---	---	---	---	---	---	
0010	132+04	-	132+14	STH 42 RT	---	---	---	1	36	---	---	---	---	---	---	---	
0010	132+04	-	136+20	STH 42 LT	---	1	---	---	418	---	---	---	---	---	---	---	
0010	136+20	-	138+39	STH 42 LT	---	1	---	---	219	---	---	---	---	---	---	---	
0010	136+76		137+18	STH 42 LT	---	---	---	1	---	---	---	---	---	---	1	1	EXISTING DWY, DO NOT DISTURB GROUND OUTSIDE OF R/W
0010	138+39	-	138+78	STH 42 LT	---	---	---	1	40	---	---	---	---	---	---	---	
0010	138+39	-	138+51	STH 42	---	---	---	---	46	---	---	---	---	---	---	---	REMOVE EXISTING ABANDONED PIPE
0010	138+78	-	138+51	STH 42	---	---	---	1	57	---	---	---	---	---	---	---	
0010	153+68			STH 42 RT	1	---	---	---	---	---	---	---	---	---	---	---	
0010	156+63			STH 42 RT	1	---	---	---	---	---	---	---	---	---	---	---	
0010	347+75	-	348+09	STH 42	---	---	1	---	63	---	---	---	---	---	---	---	CORRUGATED METAL PIPE
0010	370+03	-	370+07	STH 42	---	1	---	---	---	66	---	---	---	---	---	---	CORRUGATED METAL PIPE
0010	370+90	-	371+08	STH 42	---	1	---	---	---	---	8	---	---	---	1	2	REMOVE PORTION CORRUGATED METAL PIPE THAT PROTRUDES FROM EXISTING GRADE
0010	450+33			STH 42 RT	1	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING METAL AEW
				SUBTOTAL 0010	3	13	1	14	1,090	822	120	558	---	67	3	3	
0060	106+75	-	108+92	STH 42 RT	---	1	---	---	---	132	---	---	86	---	---	---	
0060	107+61			STH 42	---	---	---	---	---	---	---	---	160	---	---	---	EXISTING STORM SEWER OUTFALL, 120 LF OF PIPE IS CORRUGATED METAL
				SUBTOTAL 0060	---	1	---	---	---	132	---	---	246	---	---	---	
				TOTAL	3	14	1	14	1,090	954	120	558	246	67	3	3	

*UNLESS NOTED OTHERWISE IN REMARKS

REMOVING ASPHALT

CATEGORY	STATION			LOCATION	DESCRIPTION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	MILLING DEPTH INCHES	REMARKS
0010	96+50	-	134+35	STH 42	BLUFF LANE TO WINDMILL LANE	---	17,670	2	SEE NOTE (1)
0010	120+96			STH 42 RT	ASPHALT DWY	8	---	---	
0010	134+35	-	158+55	STH 42	WINDMILL LANE TO 500-FT NORTH OF GIBRALTAR RD	---	4,070	2	SEE NOTE (2)
0010	130+56			STH 42 RT	ASPHALT SIDEWALK	2	---	---	
0010	143+27			STH 42 LT	ASPHALT DWY	4	---	---	
0010	149+12			STH 42 LT	ASPHALT DWY	8	---	---	
0010	158+55	-	306+00	STH 42	500-FT NORTH OF GIBRALTAR RD TO BROOKSIDE LANE	---	57,280	2	
0010	306+00	-	317+25	STH 42	BROOKSIDE LANE TO SOUTH EXEMPT LIMITS	---	4,600	2	
0010	342+25	-	384+00	STH 42	NORTH EXEMPT LIMITS TO N. JCT MORAVIA STREET	---	18,720	2	
0010	384+00	-	531+27	STH 42	N. JCT MORAVIA STREET TO END OF PROJECT	---	55,850	2	
					SUBTOTAL 0010	22	158,190		
0060	10+42		14+73	SHORE ROAD	STH 42 TO EVERGREEN RD	---	1,220	5	SEE NOTE (2) REMOVE ASPHALT SURFACE
					SUBTOTAL 0060	---	1,220		
					TOTAL	22	159,410		

NOTES:

(1) MILLING QTY INCLDUES STORM SEWER AND CURB RAMP PATCHES. MILLING OPERATIONS TO REMOVE 1/4-INCH OF LOWER LAYER HMA.
(2) MILLING QTY EXCLUDES STORM SEWER, CURB, AND GUTTER AREAS THAT ARE TO BE PAID AS COMMON EXCAVATION.
ADDITIONAL QTY WILL NOT BE PAID FOR MILLING COMMON EXCAVATION AREAS.

REMOVING LANDSCAPE ROCKS

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.12 REMOVE EACH	REMARKS
0010	135+08			STH 42 RT	1	
0010	136+85	-	136+95	STH 42 LT	2	DO NOT DISTRUB ROCKS OUTSIDE OF R/W
0010	143+21	-	143+34	STH 42 LT	2	
0010	145+96			STH 42 LT	1	
0010	146+52	-	147+06	STH 42 RT	2	
0010	147+10			STH 42 LT	1	
0010	147+80			STH 42 LT	1	
				SUBTOTAL 0010	10	
				TOTAL	10	

PRESPLITTING ROCK

CATEGORY	STATION	TO	STATION	LOCATION	205.1300 LF	REMARKS
0010	139+40	-	14139	STH 42 LT	199	ROCK FACE WALL
				SUBTOTAL 0010	199	
				TOTAL	199	

REMOVING CONCRETE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	204.0130 REMOVING CURB LF	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	REMARKS
0010	97+28	-	97+51	STH 42 RT	---	---	35	4	
0010	99+50	-	100+56	STH 42 RT	---	17	48	32	
0010	99+53	-	99+81	STH 42 LT	---	---	22	21	
0010	100+00			STH 42 LT	---	68	---	44	NW QUAD STH 42/MAIN ST
0010	100+14	-	100+47	STH 42 LT	---	---	45	32	
0010	102+63	-	102+69	STH 42 RT	---	4	16	6	
0010	103+05	-	103+47	STH 42 RT	---	30	53	40	
0010	103+09	-	103+31	STH 42 LT	6	---	21	14	
0010	106+23	-	106+51	STH 42 LT	---	---	28	18	
0010	107+80	-	108+02	STH 42 LT	---	---	41	24	
0010	107+83	-	107+98	STH 42 RT	---	---	9	11	
0010	108+71	-	109+81	STH 42 LT	---	---	68	24	
0010	109+64	-	109+73	STH 42 RT	---	---	9	3	
0010	112+50	-	112+78	STH 42 LT	---	---	23	15	
0010	112+62	-	112+88	STH 42 RT	---	---	27	16	
0010	117+34	-	117+62	STH 42 RT	---	---	20	14	
0010	117+42	-	117+63	STH 42 LT	---	---	21	10	
0010	118+64	-	118+85	STH 42 RT	---	---	21	10	
0010	120+75	-	122+20	STH 42 RT	8	---	157	66	
0010	122+69	-	123+83	STH 42 RT	---	---	113	59	
0010	122+88	-	123+82	STH 42 LT	---	---	95	55	
0010	125+27	-	126+57	STH 42 LT	---	---	136	67	
0010	126+18	-	126+39	STH 42 RT	---	---	21	11	
0010	126+72	-	127+13	STH 42 RT	---	---	41	21	
0010	126+92	-	127+15	STH 42 LT	---	---	34	8	
0010	129+19	-	129+33	STH 42 LT	---	---	14	7	
0010	129+56	-	130+19	STH 42 RT	---	---	63	30	
0010	130+48	-	130+69	STH 42 RT	---	---	21	12	
0010	130+50	-	130+68	STH 42 LT	---	---	18	10	
0010	131+28	-	131+43	STH 42 RT	---	---	14	7	
0010	131+87	-	132+21	STH 42 LT	---	---	34	16	
0010	132+05	-	132+21	STH 42 RT	---	---	15	7	
0010	133+50	-	133+64	STH 42 RT	---	---	15	8	
0010	133+54	-	133+86	STH 42 LT	---	---	32	16	
0010	134+35	-	138+66	STH 42 LT	8	---	77	31	
0010	134+60	-	137+95	STH 42 RT	24	---	51	9	
0010	148+18	-	152+90	STH 42 LT	---	9	---	---	
0010	151+39			ISLAND LT	22	---	---	---	
0010	13+22	-	13+33	SHORE RD RT	---	---	12	---	
0010	10+38	-	10+88	CTH F RT	---	---	59	---	
0010	10+37	-	10+89	CTH F LT	---	---	45	---	
0010	10+42	-	10+68	GIBR. RD RT	---	---	85	---	
0010	10+36	-	10+49	GIBR. RD LT	---	---	60	---	
				SUBTOTAL 0010	68	128	1,719	778	
0050	102+24	-	102+34	STH 42 RT	---	---	---	5	
0050	102+48	-	102+58	STH 42 LT	---	---	---	8	
0050	104+66	-	104+76	STH 42 RT	---	---	---	5	
0050	108+24	-	108+34	STH 42 RT	---	---	---	5	
0050	110+96	-	111+06	STH 42 LT	---	---	---	5	
0050	114+04	-	114+14	STH 42 RT	---	---	---	5	
0050	116+01	-	116+11	STH 42 LT	---	---	---	5	
0050	120+45	-	120+56	STH 42 LT	---	---	---	6	
0050	122+43	-	122+53	STH 42 RT	---	---	---	5	
0050	124+21	-	124+31	STH 42 LT	---	---	---	5	
0050	127+36	-	127+46	STH 42 LT	---	---	---	5	
				SUBTOTAL 0050	---	---	---	59	
0060	10+40	-	15+10	SHORE ROAD LT	---	---	291	---	
				SUBTOTAL 0060	---	---	291	---	
				TOTAL	68	128	2,010	837	

REMOVING ASPHALTIC SURFACE BUTT JOINTS

204.0115

REMOVING ASPHALTIC SURFACE
BUTT JOINTS

CATEGORY	STATION	LOCATION	SY	REMARKS
0010	96+50	STH 42	9	BEGINNING OF PROJECT
0010	97+10	STH 42 RT	7	BLUFF LANE
0010	100+00	STH 42 LT	10	MAIN STREET
0010	100+01	STH 42 LT	10	SPRUCE STREET (GIBRALTAR)
0010	102+90	STH 42 RT	8	HILL STREET
0010	144+34	STH 42 RT	74	CTH F
0010	153+71	STH 42 RT	68	GIBRALTAR ROAD
0010	163+72	STH 42 RT	14	DWY
0010	164+96	STH 42 RT	18	
0010	167+69	STH 42 RT	23	
0010	169+02	STH 42 RT	28	
0010	171+85	STH 42 RT	26	
0010	175+58	STH 42 RT	28	
0010	179+69	STH 42 RT	50	
0010	189+16	STH 42 RT	12	
0010	195+27	STH 42 RT	7	
0010	196+67	STH 42 RT	24	
0010	202+23	STH 42 RT	43	
0010	206+78	STH 42 RT	26	
0010	229+31	STH 42 RT	12	
0010	242+25	STH 42 RT	34	
0010	244+98	STH 42 RT	42	
0010	254+90	STH 42 RT	75	CTH A SOUTH
0010	255+71	STH 42 LT	92	CTH A NORTH
0010	256+75	STH 42 RT	22	
0010	259+13	STH 42 RT	20	
0010	263+39	STH 42 LT	20	
0010	264+21	STH 42 LT	18	
0010	267+23	STH 42 RT	65	MAPLE GROVE ROAD
0010	269+74	STH 42 LT	12	
0010	271+39	STH 42 LT	42	
0010	273+98	STH 42 RT	36	
0010	278+03	STH 42 LT	44	
0010	280+32	STH 42 LT	61	SHORE ROAD
0010	281+78	STH 42 RT	67	HOLAND ROAD (SOUTH)
0010	288+32	STH 42 LT	14	
0010	292+46	STH 42 RT	76	HOLAND ROAD (NORTH)
0010	292+76	STH 42 LT	94	CRYSTAL SPRINGS ROAD
0010	295+80	STH 42 LT	13	
0010	302+02	STH 42 RT	10	
0010	304+27	STH 42 RT	10	
0010	305+58	STH 42 RT	8	
0010	307+23	STH 42 RT	8	BROOKSIDE LANE
0010	311+83	STH 42 LT	4	
0010	312+65	STH 42 LT	7	
0010	317+25	STH 42	8	SOUTH EXEMPT LIMITS
0010	342+25	STH 42	9	NORTH EXEMPT LIMITS
0010	345+12	STH 42 RT	4	CHERRY STREET
0010	351+52	STH 42 RT	9	CTH Q
0010	356+57	STH 42 RT	6	CEDAR ST
0010	359+89	STH 42 RT	3	DWY
0010	360+88	STH 42 RT	5	SPRUCE ST
0010	362+45	STH 42 RT	4	
0010	365+00	STH 42 RT	4	
0010	366+00	STH 42 RT	5	

204.0115

REMOVING ASPHALTIC SURFACE
BUTT JOINTS

CATEGORY	STATION	LOCATION	SY	REMARKS
0010	367+19	STH 42 RT	4	
0010	368+67	STH 42 RT	3	
0010	368+76	STH 42 LT	6	
0010	369+30	STH 42 LT	3	
0010	369+43	STH 42 RT	3	DWY, DO NOT DISTURB PAVERS
0010	369+84	STH 42 RT	3	DWY, DO NOT DISTURB PAVERS
0010	371+58	STH 42 RT	7	ANDERSON LANE EAST
0010	371+72	STH 42 LT	12	ANDERSON LANE WEST
0010	373+64	STH 42 LT	6	
0010	377+24	STH 42 LT	6	
0010	380+19	STH 42 LT	5	
0010	380+54	STH 42 LT	5	
0010	381+00	STH 42 LT	4	
0010	381+75	STH 42 LT	8	
0010	382+45	STH 42 RT	6	MORAVIA STREET (NORTH)
0010	382+60	STH 42 LT	6	
0010	383+09	STH 42 LT	13	
0010	384+15	STH 42 RT	36	
0010	385+29	STH 42 RT	25	
0010	385+92	STH 42 LT	156	
0010	387+36	STH 42 LT	19	
0010	388+61	STH 42 LT	19	
0010	389+64	STH 42 LT	19	
0010	390+94	STH 42 LT	19	
0010	391+87	STH 42 RT	73	MEADOW LANE
0010	393+00	STH 42 LT	24	
0010	394+30	STH 42 RT	14	
0010	395+20	STH 42 RT	12	
0010	395+62	STH 42 RT	11	
0010	396+78	STH 42 LT	29	
0010	397+56	STH 42 RT	6	
0010	398+75	STH 42 RT	14	
0010	398+92	STH 42 LT	63	NORTH SHORE RD
0010	399+62	STH 42 RT	9	
0010	399+81	STH 42 LT	341	AMUNDSON ROAD
0010	401+05	STH 42 RT	18	
0010	403+00	STH 42 RT	90	BRODD LANE
0010	409+05	STH 42 LT	109	N CORAL HILL ROAD
0010	409+15	STH 42 RT	55	S CORAL HILL ROAD
0010	410+25	STH 42 RT	9	
0010	413+65	STH 42 RT	44	
0010	414+76	STH 42 RT	52	
0010	415+65	STH 42 RT	17	
0010	422+17	STH 42 RT	117	S ORCHARD STREET
0010	422+56	STH 42 RT	33	
0010	422+84	STH 42 LT	118	N ORCHARD STREET
0010	427+51	STH 42 LT	24	
0010	427+59	STH 42 RT	23	
0010	428+86	STH 42 RT	23	
0010	429+11	STH 42 LT	38	
0010	430+79	STH 42 LT	20	
0010	431+64	STH 42 LT	15	
0010	433+85	STH 42 LT	30	
0010	435+34	STH 42 LT	70	BELLA VISTA LANE
0010	436+69	STH 42 LT	13	
0010	440+42	STH 42 RT	34	
0010	441+37	STH 42 LT	13	
0010	445+00	STH 42 RT	112	DWY
0010	447+23	STH 42 LT	18	
0010	447+72	STH 42 RT	16	

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REMOVING ASPHALTIC SURFACE
BUTT JOINTS

CATEGORY	STATION	LOCATION	SY	REMARKS
0010	448+33	STH 42 RT	25	
0010	448+46	STH 42 LT	21	
0010	450+54	STH 42 RT	18	
0010	451+77	STH 42 LT	70	SHANNON LANE
0010	454+63	STH 42 RT	51	
0010	455+28	STH 42 LT	36	
0010	457+02	STH 42 RT	64	
0010	458+95	STH 42 RT	188	TOWNLINE ROAD
0010	459+79	STH 42 LT	90	TOWNLINE ROAD
0010	467+83	STH 42 RT	43	
0010	472+37	STH 42 RT	94	NORDIC DRIVE
0010	472+39	STH 42 LT	83	LITTLE SISTER HILL ROAD
0010	486+55	STH 42 RT	64	COUNTRY LANE
0010	486+57	STH 42 LT	89	LITTLE SISTER ROAD
0010	490+57	STH 42 RT	28	
0010	492+01	STH 42 RT	17	
0010	493+40	STH 42 LT	79	WESTWOOD DRIVE
0010	495+17	STH 42 RT	16	
0010	496+70	STH 42 LT	58	
0010	497+31	STH 42 RT	30	
0010	498+10	STH 42 RT	24	
0010	498+14	STH 42 LT	21	
0010	498+82	STH 42 RT	31	
0010	499+79	STH 42 LT	32	
0010	500+65	STH 42 RT	40	
0010	501+73	STH 42 LT	13	
0010	502+38	STH 42 LT	13	
0010	504+16	STH 42 LT	89	FOREST LANE
0010	506+51	STH 42 RT	100	
0010	506+64	STH 42 LT	130	MEADOW LANE
0010	508+02	STH 42 LT	45	
0010	512+66	STH 42 LT	22	
0010	514+45	STH 42 RT	17	
0010	514+52	STH 42 LT	11	
0010	516+03	STH 42 RT	25	
0010	516+03	STH 42 LT	15	
0010	519+34	STH 42 LT	22	
0010	519+85	STH 42 RT	83	FIELDCREST ROAD
0010	521+87	STH 42 RT	27	
0010	523+77	STH 42 RT	68	S HIGHLAND ROAD
0010	524+49	STH 42 LT	110	N HIGHLAND ROAD
0010	525+09	STH 42 LT	16	
0010	526+12	STH 42 LT	23	
0010	527+01	STH 42 RT	27	
0010	527+42	STH 42 LT	17	
0010	528+20	STH 42 RT	36	
0010	528+39	STH 42 LT	14	
0010	529+83	STH 42 LT	21	
0010	16+62	SHORE RD	7	
		SUBTOTAL 0010	5811	
0060	11+00	SHORE RD RT	8	ELM STREET
0060	13+10	SHORE RD RT	4	DRIVEWAY
0060	14+41	SHORE RD RT	12	EVERGREEN ROAD
		SUBTOTAL 0060	24	
		TOTAL	5835	

Division	From/To Station	205.0100 Common Excavation		Salvaged/Unusable Pavement Material (11)	Available Material (12)	205.0200 Rock Excavation	Expanded Rock (13)	Unexpanded Fill	Expanded Fill (14)	Mass Ordinate +/- (15)	Waste	208.0100 Borrow	Comment:
		Cut	EBS Excavation (3)				Factor 1.10		Factor 1.25				
CATG 0010-Division 1													
STH 42 BEAMGUARD	473+91.68/486+32.44	478	---	---	478	---	---	268	335	142	142	0	
CATG 0010-Division 1 Subtotal		478	---	---	478	---	---	268	335	142	142	0	
CATG 0010-Division 2													
CURB RETURN - CTH F NORTH	19+91.48/20+89.42	38	---	1	37	---	---	175	218	-181	---	0	
CATG0010-Division 2 Subtotal		38	---	1	37	---	---	175	218	-181	---	0	
CATG 0010-Division 3													
CURB RETURN - CTH F SOUTH	10+00/11+32.22	43	---	14	29	---	---	64	80	-51	---	0	
CATG 0010-Division 3 Subtotal		43	---	14	29	---	---	64	80	-51	---	0	
CATG 0010-Division 4													
CURB RETURN - GIBRATLAR RD NORTH	00+00/00+61.51	28	---	4	24	---	---	11	14	10	10	0	
CATG 0010-Division 4 Subtotal		28	---	4	24	---	---	11	14	10	10	0	
CATG 0010-Division 5													
GIBRATLAR SCHOOL NORTH DRIVEWAY	10+25/10+76.39	84	---	27	57	---	---	29	36	20	20	0	
CATG 0010-Division 5 Subtotal		84	---	27	57	---	---	29	36	20	20	0	
CATG 0010-Division 6													
GIBRATLAR SCHOOL NORTH PATH	00+01.48/00+82.29	2	---	---	2	---	---	55	68	-66	---	0	
CATG 0010-Division 6 Subtotal		2	---	---	2	---	---	55	68	-66	---	0	
CATG 0010-Division 7													
CURB RETURN - GIBRATLAR RD SOUTH	00+07.38/00+97.85	31	---	10	21	---	---	32	41	-20	---	0	
CATG 0010-Division 7 Subtotal		31	---	10	21	---	---	32	41	-20	---	0	
CATG 0010-Division 8													
STH 42 - ORCHARD RD SHOULDER WIDENING	425+49.59/459+19.96	347	---	---	347	31	34	99	81	266	266	0	
CATG 0010-Division 8 Subtotal		347	---	---	347	31	34	99	81	266	266	0	
CATG 0010-Division 10													
STH 42 - GIBRALTAR	97+30/158+55	5,493	---	1,380	4,112	161	177	1,237	1,324	2,788	2,788	0	
CATG 0010-Division 10 Subtotal		5,493	---	1,380	4,112	161	177	1,237	1,324	2,788	2,788	0	SEE NOTE 16
CATG 0010-Division 11													
GIBRALTAR RD TEMPORARY CONNECTION	144+60/148+80 RT	73	---	27	46	---	---	---	---	46	46	0	
CATG 0010-Division 11 Subtotal		73	---	27	46	---	---	---	---	46	46	0	
CATG 0010-Division 12													
FISH CREEK GRILL TEMP DWY	151+33 RT	26	---	---	26	---	---	---	---	26	26	0	
CATG 0010-Division 12 Subtotal		26	---	---	26	---	---	---	---	26	26	0	
CATG 0010-Division 13													
EPHRAIM ANDERSON HOUSE	370+75/371+00 LT	2	---	---	2	---	---	---	---	2	2	0	
CATG 0010-Division 13 Subtotal		2	---	---	2	---	---	---	---	2	2	0	
CATG 0010 SUBTOTAL		6,644	---	1,464	5,180	192	211	1,970	2,198	2,982	3,301	0	
CATG 0060-Division 1													
SHORE ROAD	10+00/15+12	463	---	59	404	---	---	65	81	323	323	81	SEE NOTE 17
CTH F SIDEWALK	0+00/2+24	21	---	1	20	---	---	26	32	-12	-12	0	SEE NOTE 18
SPRING ROAD	0+00/1+04	7	---	---	7	---	---	24	30	-23	-23	0	SEE NOTE 18
CATG 0060 SUBTOTAL		491			27	---	---	115	143		323	81	
TOTAL		7,135		1,497	5,207	192	211	2,084	2,341		3,266	81	

Notes:

(11) Asphalt not removed by milling unsalvagable due to shallow fills.

(12) Available material excludes salvaged/unusable pavement material

(13) Expanded Rock Factor = 1.1

(14) Expanding Fill Factor = 1.25

Depending on selections: Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

(15) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Divisio

(16) Excavation to proposed subgrade above storm sewer from 125+00 - 154+50 paid under common excavation bid item. All other storm sewer excavation shall be incidental to the storm sewer bid item.

timeframe of construction.

(18) Use available material from Division 10 and 12.

3

BASE AGGREGATES

CATEGORY	FROM		TO	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH* TON	624.0100 WATER MGAL	REMARKS
0010	97+26	-	97+51	STH 42 RT	---	7	.1	
0010	99+50	-	100+56	STH 42 RT	---	10	.1	
0010	99+53	-	99+81	STH 42 LT	---	5	.1	
0010	100+00	-		STH 42 LT	---	81	.8	
0010	100+14	-	100+47	STH 42 LT	---	9	.1	
0010	102+63	-	102+69	STH 42 RT	---	2	---	
0010	102+81	-	103+14	STH 42 RT	---	29	.3	STORM SEWER TRENCH
0010	103+05	-	103+47	STH 42 RT	---	11	.1	
0010	103+09	-	103+31	STH 42 LT	---	4	---	
0010	104+49		104+83	STH 42 RT	---	9	.1	STORM SEWER TRENCH
0010	106+23	-	106+51	STH 42 LT	---	5	---	
0010	107+80	-	108+02	STH 42 LT	---	3	---	
0010	107+83	-	107+98	STH 42 RT	---	2	---	
0010	109+64	-	109+73	STH 42 RT	---	43	.4	STORM SEWER TRENCH
0010	112+50	-	112+78	STH 42 LT	---	4	---	
0010	112+62	-	112+88	STH 42 RT	---	4	---	
0010	117+34	-	117+62	STH 42 RT	---	4	---	
0010	117+42	-	117+63	STH 42 LT	---	3	---	
0010	118+64	-	118+85	STH 42 RT	---	23	.2	STORM SEWER TRENCH
0010	119+55	-	123+82	STH 42	---	447	4.5	STORM SEWER TRENCH
0010	120+75	-	122+20	STH 42 RT	---	23	.2	
0010	122+69	-	123+83	STH 42 RT	---	17	.2	
0010	125+27	-	134+35	STH 42	---	1,300	13.0	C&G, STORM SEWER TRENCH
0010	126+18	-	126+39	STH 42 RT	---	3	---	
0010	126+72	-	127+13	STH 42 RT	---	4	---	
0010	126+92	-	127+15	STH 42 LT	---	2	---	
0010	129+19	-	129+33	STH 42 LT	---	1	---	
0010	129+56	-	130+19	STH 42 RT	---	5	---	
0010	130+48	-	130+69	STH 42 RT	---	2	---	
0010	130+50	-	130+68	STH 42 LT	---	2	---	
0010	131+28	-	131+43	STH 42 RT	---	1	---	
0010	132+05	-	132+21	STH 42 RT	---	1	---	
0010	132+07	-	132+20	STH 42 LT	---	1	---	
0010	133+50	-	133+64	STH 42 RT	---	1	---	
0010	133+54	-	133+86	STH 42 LT	---	3	---	
0010	134+35	-	147+21	STH 42	---	3,216	32.2	
0010	144+80	-	144+95	STH 42 LT	---	44	.4	SCHOOL BUS ACCESS STAGE 1
0010	147+21	-	148+15	STH 42	---	390	3.9	
0010	148+15	-	156+24	STH 42	20	1,811	18.1	
0010	156+24	-	157+09	STH 42	---	353	3.5	
0010	157+09	-	158+60	STH 42	34	227	2.3	
0010	158+60	-	306+00	STH 42	1,821	---	---	
0010	306+00	-	317+25	STH 42	33	---	---	
0010	342+25	-	384+00	STH 42	121	180	1.8	
0010	384+00	-	423+20	STH 42	484	---	---	
0010	423+20	-	459+20	STH 42	445	594	5.9	
0010	474+00		486+30	STH 42	220	855	8.6	BEAMGUARD
0010	459+20	-	528+40	STH 42	855	923	9.2	
0010	528+40	-	531+27	STH 42	8	---	---	
0010		120+97		STH 42 RT	---	3	---	DWY
0010		134+76		STH 42 LT	---	3	---	DWY
0010		134+94		STH 42 RT	---	9	.1	DWY
0010		137+07		STH 42 LT	---	15	.2	DWY
0010		137+58		STH 42 LT	---	5	.1	DWY
0010		137+90		STH 42 RT	---	10	.1	DWY
0010		138+55		STH 42 LT	---	7	.1	DWY
0010		140+35		STH 42 RT	---	3	---	SIDEWALK
0010		142+40		STH 42 RT	---	24	.2	DWY
0010		146+53		STH 42 RT	---	108	1.1	DWY
0010		148+43		STH 42 LT	---	75	.7	DWY
0010		151+39		STH 42 LT	---	118	1.2	DWY
0010		156+53		STH 42 LT	---	11	.1	DWY
0010		156+65		STH 42 RT	---	5	.1	SIDEWALK
0010	10+40	-	13+65	SHORE RD	---	383	3.8	STORM SEWER TRENCH
0010	10+00	-	11+63	CTH F LT	---	261	2.6	TEMP DWY
0010	UNDISTRIBUTED			STH 42	300	500	5.0	
				SUBTOTAL 0010	4,339	12,206	121.4	

SHAPING SHOULDERS

CATEGORY	STATION	TO	STATION	LOCATION	305.0500 STA
0060	0+00'SF'	-	2+24'SF'	CTH F	3
				SUBTOTAL 0060	3
				TOTAL	3

BASE AGGREGATES

CATEGORY	FROM		TO	LOCATION	305.0120 BASE AGGREGATE DENSE 3/4-INCH TON	305.0110 BASE AGGREGATE DENSE 1 1/4-INCH* TON	624.0100 WATER MGAL	REMARKS
0020	134+35	-	138+66	STH 42 LT	---	42	.4	BASE UNDER SIDEWALK
0020	134+60		137+95	STH 42 RT	---	34	.3	
0020	137+95		144+06	STH 42 RT	---	67	.7	
0020	138+66		148+19	STH 42 LT	---	90	.9	
0020	144+64		153+40	STH 42 RT	---	85	.9	
0020	147+28		148+10	STH 42 ISLAND	---	1	.0	
0020	148+18		152+90	STH 42 LT	---	42	.4	
0020	151+39			ISLAND LT	---	4	.0	
0020	153+96		156+81	STH 42 RT	---	25	.3	
0020	156+27		156+81	STH 42 LT	---	1	---	
0020	156+31		156+98	STH 42 ISLAND	---	1	---	
0020	10+38		10+88	CTH F RT	---	5	.1	
0020	10+37		10+89	CTH F LT	---	5	.1	
				SUBTOTAL 0020	---	402	3.0	
0050	102+24	-	102+34	STH 42 RT	---	1	---	
0050	102+48	-	102+58	STH 42 LT	---	1	---	BASE UNDER SIDEWALK
0050	104+66	-	104+76	STH 42 RT	---	1	---	FOR LIGHTING BASE REMOVAL
0050	108+24	-	108+34	STH 42 RT	---	1	---	
0050	110+96	-	111+06	STH 42 LT	---	1	---	
0050	114+04	-	114+14	STH 42 RT	---	1	---	
0050	116+01	-	116+11	STH 42 LT	---	1	---	
0050	120+45	-	120+56	STH 42 LT	---	1	---	
0050	122+43	-	122+53	STH 42 RT	---	1	---	
0050	124+21	-	124+31	STH 42 LT	---	1	---	
0050	127+36	-	127+46	STH 42 LT	---	1	---	
				SUBTOTAL 0050	---	11	---	
0060	106+67	-	109+81	STH 42	---	560	5.6	STORM SEWER TRENCH
0060	10+40	-	15+10	SHORE RD SW	---	36	.4	SIDEWALK ALONG SHORE RD
0060	13+65	-	15+10	SHORE RD RT	---	55	.6	
0060	0+00	-	2+24	CTH F LT	37	---	---	
0060	0+00	-	1+05	SPRING RD	16	---	---	
				SUBTOTAL 0060	53	651	7.0	
				TOTAL	4,392	13,270	131.4	

STONE AND FABRIC

CATEGORY	STATION	TO	STATION	LOCATION	312.0110 SELECT CRUSHED MATERIAL TON	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE FABRIC TYPPE HR SY	REMARKS
0010	122+88	-	123+33	STH 42 LT	1	---	---	
0010	134+65			STH 42 RT	1	---	---	
0010	139+40	-	141+39	STH 42 LT	22	---	35	BETWEEN SW AND ROCK WALL
0010	370+03			STH 42 LT	---	2	4	ANDERSON LN STORM OUTFALL
0010	13+41			SHORE RD LT	---	2	4	STORM SEWER OUTFALL PEN. ST. PARK
				SUBTOTAL 0010	24	4	43	
0060	110+03			STH 42 LT	---	4	8	FISH CREEK BEACH
				SUBTOTAL 0060	---	4	8	
				TOTAL	24	8	51	

*QTY ALSO SHOWN IN STRUCTURE PLANS

3

MISCELANEOUS ASPHALTIC ITEMS

CATEGORY	STATION	LOCATION	465.0105 ASPHALTIC SURFACE TON	465.0310 ASPHALTIC CURB LF	465.0315 ASPHALTIC FLUMES SY	REMARKS
0010	97+36-97+40	STH 42 RT	---	5	---	BLUFF LN
0010	130+57	STH 42 RT	1	---	---	SIDEWALK
0010	145+08	STH 42 LT	---	---	2	
0010	152+90	STH 42 LT	---	---	14	
0010	156+27	STH 42 LT	---	---	16	
0010	10+48	GIBRALTAR RD LT	---	---	9	
		SUBTOTAL 0010	1	5	41	
		TOTAL	1	5	41	

ASPHALT CENTER LINE RUMBLE STRIPS 2-LANE RURAL

CATEGORY	STATION	TO	STATION	LOCATION	465.0475 LF	REMARKS
0010	190+00	-	190+42	STH 42	42	
0010	192+42	-	197+17	STH 42	475	
0010	200+36	-	201+23	STH 42	87	
0010	203+23	-	205+78	STH 42	255	
0010	207+78	-	241+25	STH 42	3,347	
0010	243+25	-	243+98	STH 42	73	
0010	245+98	-	255+00	STH 42	902	
				SUBTOTAL 0010	5,181	
				TOTAL	5,181	

ASPHALT TEST STRIPS

MIX	SPV.0060.15 HMA PWL TEST STRIP VOLUMETRICS EACH	SPV.0060.16 HMA PWL TEST STRIP DENSITY EACH
3 LT 58-28 S	1	1
4 LT 58-28 S	1	1
SUBTOTAL 0010	2	2
TOTAL	2	2

ASPHALTIC DRIVEWAYS

CATEGORY	STA.	OFFSET	465.0120 APSHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES* TON
0010	109+16	LT	62*
0010	112+75	RT	1*
0010	120+97	RT	1*
0010	134+93	RT	4*
0010	137+07	LT	5*
0010	137+58	LT	2*
0010	137+87	RT	2*
0010	138+55	LT	4*
0010	140+34	RT	1*
0010	142+41	RT	12*
0010	.45+02-148+1	RT	19*
0010	.46+22-147+1	RT	29*
0010	148+43	LT	37*
0010	151+39	LT	59*
0010	156+48	LT	6*
0010	163+72	RT	2
0010	164+95	RT	2
0010	167+70	RT	3
0010	169+02	RT	3
0010	171+85	RT	3
0010	175+58	RT	3
0010	179+69	RT	5
0010	189+16	RT	1
0010	195+27	RT	1
0010	196+67	RT	3
0010	202+23	RT	5
0010	206+78	RT	3
0010	229+31	RT	1
0010	242+25	RT	4
0010	244+98	RT	5
0010	256+75	RT	2
0010	259+13	RT	2
0010	263+39	LT	2
0010	264+23	LT	2
0010	269+74	LT	1
0010	271+39	LT	4
0010	273+98	LT	4
0010	278+03	LT	5
0010	288+32	LT	2
0010	295+80	LT	1

CATEGORY	STA.	OFFSET	465.0120 APSHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES* TON
0010	302+02	RT	1
0010	304+27	RT	1
0010	305+58	RT	1
0010	384+15	RT	4
0010	385+29	RT	3
0010	385+82	LT	17
0010	387+36	LT	2
0010	388+61	LT	2
0010	389+64	LT	2
0010	390+94	LT	2
0010	393+00	LT	3
0010	394+30	RT	2
0010	395+20	LT	1
0010	395+62	RT	1
0010	396+78	RT	3
0010	397+56	RT	1
0010	398+75	RT	2
0010	398+92	LT	7
0010	399+62	RT	1
0010	401+05	RT	2
0010	410+26	RT	1
0010	413+65	RT	5
0010	414+76	RT	6
0010	415+66	RT	2
0010	422+56	RT	4
0010	427+51	LT	3
0010	427+59	RT	3
0010	428+86	RT	3
0010	429+11	LT	4
0010	430+79	LT	2
0010	431+64	LT	2
0010	433+85	LT	3
0010	436+68	LT	1
0010	440+42	RT	4
0010	441+37	LT	1
0010	447+23	LT	2
0010	447+72	RT	2
0010	448+33	RT	3
0010	448+46	LT	2
0010	450+54	RT	2

CATEGORY	STA.	OFFSET	465.0120 APSHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES* TON
0010	454+64	RT	6
0010	455+28	LT	4
0010	457+02	RT	7
0010	467+83	RT	5
0010	490+57	RT	3
0010	492+01	RT	2
0010	495+17	RT	2
0010	496+68	LT	6
0010	497+31	RT	3
0010	498+10	RT	3
0010	498+14	LT	2
0010	498+82	RT	3
0010	499+79	LT	4
0010	500+65	RT	4
0010	501+73	LT	1
0010	502+38	LT	1
0010	506+52	RT	11
0010	508+01	LT	5
0010	512+66	LT	2
0010	514+45	RT	2
0010	514+52	LT	1
0010	516+03	LT	2
0010	516+03	RT	3
0010	519+34	LT	2
0010	521+87	RT	3
0010	525+08	LT	2
0010	526+12	LT	2
0010	527+01	RT	3
0010	527+42	LT	2
0010	528+20	RT	4
0010	528+39	LT	2
0010	529+81	LT	2
		SUBTOTAL 0010	529
0060	13+14	SHORE RT	3
0060	15+00	SHORE LT	3
		SUBTOTAL 0060	6
		TOTAL	535

2-INCH DEPTH FOR RURAL DRIVEWAYS

*SEE SDD AND PLAN FOR URBAN DRIVEWAY THICKNESS

ASPHALT ITEMS

CATG.	FROM	TO	LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	315.0100 ASPHALTIC BASE TON	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	HMA PAVEMENT 3 LT 58-28 S 460.5223 TON	HMA PAVEMENT 3 LT 58-28 S PWL DENSITY INCENTIVE TON*	HMA PAVEMENT 3 LT 58-28 S PWL AIR VOIDS TON**	HMA PAVEMENT 4 LT 58-28 S 460.5224 TON	HMA PAVEMENT 4 LT 58-28 S PWL DENSITY INCENTIVE TON*	HMA PAVEMENT 4 LT 58-28 S PWL AIR VOIDS TON**	REMARKS
0010	96+50	- 127+00	STH 42	---	300	330	60	---	---	---	30	---	30	STAGE 1A
0010	96+50	- 145+00	STH 42	---	1,050	---	1,770	---	---	---	2,600	1,552	2,600	STAGE 1B
0010	306+00	- 372+00	STH 42	---	70	---	1,530	---	---	---	2,250	1,312	2,250	STAGE 1B
0010	145+00	- 159+00	STH 42	---	970	---	650	---	---	---	690	397	690	STAGE 2
0010	159+00	- 306+00	STH 42	---	---	---	6,870	7,650	4,851	7,650	6,080	4,165	6,080	RURAL
0010	372+00	- 531+27	STH 42	50	---	---	7,350	7,150	5,256	7,150	6,860	4,557	6,860	RURAL
0010	10+42	- 13+66	SHORE ROAD	---	---	140	30	80	---	80	60	---	60	STAGE 1A
			SUBTOTAL 0010	50	2,390	470	18,260	14,880	10,107	14,880	18,570	11,982	18,570	
0060	106+67	- 108+97	STH 42	---	130	130	30	---	---	---	---	---	---	STAGE 1A
0060	10+55	- 15+20	SHORE ROAD	---	---	360	60	210	---	210	150	---	150	STAGE 1A
			SUBTOTAL 0060	---	130	490	90	210	---	210	150	---	150	
			TOTAL	50	2,520	960	18,350	15,090	10,107	15,090	18,720	11,982	18,720	

(1) PREPARE FOUNDATION FOR ASPHALTIC SHOULDERING = STA. 423+23-459+20 & STA. 474+67-486+25

*TONNAGE IS ELIGIBLE FOR INCENTIVE DENSITY PWL 460.2005.

**TONNAGE IS ELIGIBLE FOR INCENTIVE AIR VOIDS 460.2010 AND DENSITY IS TESTED FOR ACCEPTANCE IN THOSE AREAS.

PREPARE FOUNDATION FOR ASLPHALTIC PAVING

CATEGORY	STATION	LOCATION	211.0100.01 LS	REMARKS
0010	96+50 - 531+27	STH 42	1	PROJECT LIMITS
		SUBTOTAL 0010	1	
		TOTAL	1	

CONCRETE ITEMS (TABLE 1 OF 2)

CATEGORY	STATION	TO	STATION	LOCATION	405.0200 COLORING CONCRETE CUSTOM CY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	601.0110 CONCRETE CURB TYPE D LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0576 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE J LF	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	REMARKS
0010	97+28	-	97+51	STH 42 RT	---	---	---	---	35	---	---	176	12	---	---	
0010	99+50	-	100+56	STH 42 RT	---	---	---	---	48	---	42	319	10	---	---	
0010	99+53	-	99+81	STH 42 LT	---	---	---	---	22	---	---	192	10	---	---	
0010	100+00 LT			STH 42 LT	---	---	---	---	81	---	45	560	24	---	---	NW QUAD STH 42/MAIN ST
0010	100+14	-	100+47	STH 42 LT	---	---	---	---	45	---	20	297	10	---	---	
0010	102+63	-	102+69	STH 42 RT	---	---	---	---	16	---	4	57	10	---	---	
0010	103+05	-	103+47	STH 42 RT	---	---	---	---	53	---	47	338	10	---	---	
0010	103+09	-	103+31	STH 42 LT	---	5	---	---	21	---	---	94	10	---	---	
0010	106+23	-	106+51	STH 42 LT	---	---	---	---	28	---	---	164	---	---	---	
0010	107+80	-	108+02	STH 42 LT	---	---	---	---	41	---	---	247	10	---	---	
0010	107+83	-	107+98	STH 42 RT	---	---	---	---	9	---	---	96	10	---	---	
0010	108+71	-	109+81	STH 42 LT	---	31	---	---	110	---	---	316	---	---	---	
0010	109+64	-	109+73	STH 42 RT	---	---	---	---	9	---	---	---	---	---	---	
0010	112+50	-	112+78	STH 42 LT	---	---	---	---	23	---	---	148	10	---	---	
0010	112+62	-	112+88	STH 42 RT	---	---	---	---	31	---	---	241	10	---	---	
0010	117+34	-	117+62	STH 42 RT	---	---	---	---	20	---	---	146	10	---	---	
0010	117+42	-	117+63	STH 42 LT	---	---	---	---	21	---	---	111	10	---	---	
0010	118+64	-	118+85	STH 42 RT	---	---	---	---	21	---	---	111	---	---	---	
0010	120+75	-	122+20	STH 42 RT	---	8	---	---	157	---	---	630	---	---	---	
0010	122+69	-	123+83	STH 42 RT	---	---	---	---	113	---	20	528	10	---	---	
0010	122+88	-	123+82	STH 42 LT	---	---	---	---	95	---	---	493	10	---	---	
0010	125+27	-	126+57	STH 42 LT	---	---	---	---	130	---	---	751	20	---	---	
0010	126+18	-	126+39	STH 42 RT	---	---	---	---	21	---	---	110	10	---	---	
0010	126+72	-	127+13	STH 42 RT	---	---	---	---	41	---	---	221	---	---	---	
0010	126+92	-	127+15	STH 42 LT	---	---	---	---	34	---	---	109	10	---	---	
0010	129+19	-	129+33	STH 42 LT	---	---	---	---	14	---	---	69	---	---	---	
0010	129+56	-	130+19	STH 42 RT	---	---	---	---	63	---	---	258	---	---	---	
0010	130+48	-	130+69	STH 42 RT	---	---	---	---	23	---	---	122	10	---	---	
0010	130+50	-	130+68	STH 42 LT	---	---	---	---	18	---	---	88	10	---	---	
0010	131+28	-	131+43	STH 42 RT	---	---	---	---	14	---	---	66	---	---	---	
0010	132+05	-	132+21	STH 42 RT	---	---	---	---	15	---	---	63	---	---	---	
0010	131+87	-	132+21	STH 42 LT	---	---	---	---	34	---	---	146	---	---	---	
0010	133+50	-	133+64	STH 42 RT	---	---	---	---	15	---	---	69	---	---	---	
0010	133+54	-	133+86	STH 42 LT	---	---	---	---	32	---	---	143	---	---	---	
0010	134+35	-	138+66	STH 42 LT	---	---	---	---	432	---	---	---	---	---	---	
0010	134+60	-	137+95	STH 42 RT	---	---	---	---	336	---	---	---	---	---	---	
0010	137+95	-	144+06	STH 42 RT	---	---	---	---	633	---	---	---	---	---	---	
0010	138+66	-	148+19	STH 42 LT	---	---	---	287	900	---	---	---	---	---	---	
0010	144+64	-	153+40	STH 42 RT	---	---	---	---	883	---	---	---	---	---	---	
0010	147+28	-	148+10	STH 42 ISLAND	---	---	---	---	137	---	---	---	---	---	---	
0010	148+18	-	152+90	STH 42 LT	---	---	10	---	494	---	---	---	---	---	---	
0010	151+39			ISLAND LT	---	---	---	---	69	---	---	---	---	---	87	
0010	153+96	-	156+81	STH 42 RT	---	---	---	---	289	---	---	---	---	---	---	
0010	156+27	-	156+81	STH 42 LT	---	---	---	---	---	54	---	---	---	---	---	
0010	156+31	-	156+98	STH 42 ISLAND	---	---	---	---	137	---	---	---	---	---	---	
0010	13+03	-	13+33	SHORE RD RT	---	---	---	---	30	---	---	---	---	---	---	
0010	10+38	-	10+88	CTH F RT	---	---	---	---	43	---	---	---	---	---	---	
0010	10+37	-	10+89	CTH F LT	---	---	---	---	46	---	---	---	---	---	---	
0010	10+42	-	10+68	GIBR. RD RT	---	---	---	---	29	---	---	---	---	---	---	
0010	10+36	-	10+49	GIBR. RD LT	---	---	---	---	14	---	---	---	---	---	---	
				SUBTOTAL 0010	---	44	10	287	5,925	54	178	7,479	236	---	87	
0020	134+35	-	138+81	STH 42 LT	---	113	---	---	---	---	---	1,953	---	---	---	
0020	134+60	-	138+10	STH 42 RT	---	58	---	---	---	---	---	1,585	---	---	---	
0020	138+10	-	144+06	STH 42 RT	---	27	---	---	---	---	---	3,333	10	---	---	
0020	138+81	-	148+10	STH 42 LT	---	---	---	---	---	---	205	4,723	16	---	---	
0020	144+64	-	153+41	STH 42 RT	---	46	---	---	---	---	33	4,375	26	14	---	
0020	147+28	-	148+10	STH 42 ISLAND	---	---	---	---	---	---	18	72	32	---	100	
0020	148+10	-	152+90	STH 42 LT	---	154	---	---	---	---	---	1,569	20	---	---	
0020	151+39			ISLAND LT	---	---	---	---	---	---	12	182	20	---	---	
0020	153+96	-	156+81	STH 42 RT	---	---	---	---	---	---	21	1,377	16	17	---	
0020	156+27	-	156+81	STH 42 LT	---	8	---	---	---	---	---	---	16	---	---	
0020	156+31	-	156+98	STH 42 ISLAND	---	---	---	---	---	---	18	72	32	---	100	
0020	10+38	-	10+88	CTH F RT	---	---	---	---	---	---	---	260	---	---	---	
0020	10+37	-	10+89	CTH F LT	---	---	---	---	---	---	---	292	---	---	---	
				SUBTOTAL 0020	---	406	---	---	---	---	307	19,793	188	31	200	

CONCRETE ITEMS (TABLE 2 OF 2)

CATEGORY	STATION	TO	STATION	LOCATION	405.0200 COLORING CONCRETE CUSTOM CY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	601.0110 CONCRETE CURB TYPE D LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0415 CONCRETE CURB &GUTTER 6-INCH SLOPED 30-INCH TYPE J LF	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0515 CONCRETE RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	REMARKS
0050	102+24	-	102+34	STH 42 RT	---	---	---	---	---	---	---	46	---	---	---	
0050	102+48	-	102+58	STH 42 LT	---	---	---	---	---	---	---	72	---	---	---	
0050	104+66	-	104+76	STH 42 RT	---	---	---	---	---	---	---	48	---	---	---	
0050	108+24	-	108+34	STH 42 RT	---	---	---	---	---	---	---	48	---	---	---	
0050	110+96	-	111+06	STH 42 LT	---	---	---	---	---	---	---	44	---	---	---	
0050	114+04	-	114+14	STH 42 RT	---	---	---	---	---	---	---	44	---	---	---	
0050	116+01	-	116+11	STH 42 LT	---	---	---	---	---	---	---	44	---	---	---	
0050	120+45	-	120+56	STH 42 LT	---	---	---	---	---	---	---	56	---	---	---	
0050	122+43	-	122+53	STH 42 RT	---	---	---	---	---	---	---	46	---	---	---	
0050	124+21	-	124+31	STH 42 LT	---	---	---	---	---	---	---	47	---	---	---	
0050	127+36	-	127+46	STH 42 LT	---	---	---	---	---	---	---	43	---	---	---	
				SUBTOTAL 0050	---	---	---	---	---	---	---	538	---	---	---	
0060	135+61	-	137+60	STH 42 RT	8	---	---	---	---	---	---	659	---	---	---	
0060	10+40	-	15+10	SHORE ROAD LT	---	---	---	---	466	---	---	2,790	---	---	---	
0060	0+00	-	2+24	CTH F LT	---	---	---	---	---	---	---	1,154	10	---	---	
0060	0+00	-	1+05	SPRING RD RT	---	---	---	---	---	---	---	512	---	---	---	
				SUBTOTAL 0060	8	---	---	---	466	---	---	5,115	10	---	---	
				TOTAL	8	450	10	287	6,391	54	485	32,925	434	31	287	

CULVERT PIPE AND APRON ENDWALLS

CATG.	STRUCTURE	STATION*	OFFSET*	LOCATION	INVERT ELEVATIONS**	520.1015 APRON ENDWALLS FOR CULVERT PIPE 15-INCH EACH	520.4115 CULVERT PIPE CLASS IV 15-INCH LF	521.1030 APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH EACH	521.3130 CULVERT PIPE CORRUGATED STEEL 30-INCH LF	521.1217 APRON ENDWALLS FOR PIPE STEEL ARCH 17x13-INCH EACH	521.3717 PIPE ARCH CORRUGAED STEEL 17x13-INCH LF	522.1012 APRON ENDWALL REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS REINFORCED CONCRETE 24-INCH EACH	522.2619 APRON ENDWALLS REINFORCED CONCRETE HORZ. ELIP. 19x30-INCH	522.2624 APRON ENDWALLS REINFORCED CONCRETE HORZ. ELIP. 24x38-INCH EACH	522.2629 APRON ENDWALLS REINFORCED CONCRETE HORZ. ELIP. 29x45-INCH EACH	650.4000 CONSTRUCTION STAKING STORM SEWER*** EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	REMARKS
0010	EW22B	129+78.76	35.6'RT	STH 42	586.55	---	---	---	---	---	---	---	---	---	1	---	---	1	---	
0010	EW11A	144+25.92	42.6' LT	STH 42	645.04	---	---	---	---	---	---	1	---	---	---	---	---	1	---	
0010	EW2A	152+47.65	30.7' LT	STH 42	651.43	---	---	---	---	---	---	---	1	---	---	---	---	1	---	
0010	CULVERT	156+16 - 156+80	35.6' LT, 35.04' LT	STH 42	653.87, 653.53	2	64	---	---	---	---	---	---	---	---	---	---	---	1	STEEL THICKNESS = .064
0010	CULVERT	156+58 - 156+74	45.4' RT, 42.8' RT	STH 42	654.37, 654.245	---	---	---	---	2	16	---	---	---	---	---	---	---	1	STEEL THICKNESS = .064
0010	EPH-OUT	370+03.31	42.8' LT	STH 42	586.69	---	---	---	---	---	---	---	---	1	---	---	---	1	---	
0010	CULVERT	450+33	LT & RT	STH 42	MATCH EX	---	---	2	4	---	---	---	---	---	---	---	---	---	1	
0010	EW27	13+40.76	80.1' LT	SHORE RD	581.98	---	---	---	---	---	---	---	---	---	---	---	1	1	---	STEEL THICKNESS = .075
0010	CULVERT	0+45	8.3' LT, 4.4' RT	SCHOOL PATH NORTH	652.45, 652.23	---	---	---	---	2	14	---	---	---	---	---	---	---	1	
				SUBTOTAL 0010		2	64	2	4	4	30	1	1	1	1	---	1	5	4	
0060	EW13	110+08.93	233' LT	STH 42	581.2	---	---	---	---	---	---	---	---	---	---	1	---	1	---	
				SUBTOTAL 0060		---	---	---	---	---	---	---	---	---	---	1	---	1	---	
				TOTAL		2	64	2	4	4	30	1	1	1	1	1	1	****	4	

STORM SEWER PIPE (TABLE 1 OF 2)

CATG.	FROM	-	TO	LOCATION	ELEVATION INLET	ELEVATION DISCHARGE	SLOPE FT/FT	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0005 STORM SEWER ROCK EXCAVATION CY	608.0315 SSPRC CLASS III 15-INCH LF	608.0412 SSPRC CLASS IV 12-INCH LF	608.0415 SSPRC CLASS IV 15-INCH LF	608.0418 SSPRC CLASS IV 18-INCH LF	608.0424 SSPRC CLASS IV 24-INCH LF	608.0430 SSPRC CLASS IV 30-INCH LF	608.2319 SSPRC HE-III 19x30 INCH LF	608.2324 SSPRC HE-III 24x38 INCH LF	608.2329 SSPRC HE-III 29x45 INCH LF	608.2419 SSPRC HE-IV 19x30 LF	608.2424 SSPRC HE-IV 24x38 LF	608.2429 SSPRC HE-IV 29x45 LF	608.3012 SSP CLASS III-A 12-INCH LF	608.3015 SSP CLASS III-A 15-INCH LF	608.3018 SSP CLASS III-A 18-INCH LF	608.3024 SSP CLASS III-A 24-INCH LF	608.6008 SSP COMPOSITE 8-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFERATED 6-INCH LF	SPV.0090.06 JOINT TIES* LF
0010	S50A	-	S50	MAIN ST	589.34	589.22	0.0033	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36	---	---	---	---	---
0010	S50	-	S49	MAIN ST	588.60	588.55	0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	---	---	---	---	---
0010	S49	-	EX PIPE	MAIN ST	588.55	588.48	0.0087	1	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	102+89 RT	-	103+07 RT	STH 42	588.72	588.50	0.0125	2	---	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	104+57 RT	-	104+75 RT	STH 42	586.63	586.41	0.0122	2	---	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	EX PIPE	-	EX-S-S6	STH 42	587.41	587.15	0.0118	1	---	---	---	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	S6A	-	EX PIPE	STH 42	587.50	587.46	0.0550	1	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	S9	-	S10	STH 42	582.65	582.60	0.0045	---	---	---	---	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	S9	-	SWTD	STH 42	582.65	582.65	0.0000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9	---	---	---	---
0010	SWTD	-	S10	STH 42	582.65	582.61	0.0044	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9	---	---	---	---
0010	S13B	-	EX PIPE	STH 42	594.29	594.18	0.0138	1	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	EX PIPE	-	S13	STH 42	592.91	592.80	0.0138	1	---	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	EX PIPE	-	S13	STH 42	593.42	592.85	0.0254	1	---	---	23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	S13	-	S14	STH 42	592.65	590.05	0.0150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	173	---	---	---	---	---
0010	S14	-	C-15-21	STH 42	590.05	587.86	0.0106	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	206	---	---	---	---	---
0010	26	-	EW27	STH 42	582.35	581.98	0.0058	---	---	---	---	---	---	---	---	---	---	64	---	---	---	---	---	---	---	---	---	---	---
0010	26A	-	26	STH 42	584.23	583.96	0.0150	---	---	---	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	26B	-	26	STH 42	583.69	583.54	0.0051	---	---	---	---	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	25	-	26	STH 42	583.52	582.35	0.0043	---	---	---	---	---	---	---	---	---	---	---	---	---	---	275	---	---	---	---	---	---	---
0010	25A	-	25	STH 42	585.21	585.11	0.0050	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	24	-	25	STH 42	584.18	583.52	0.0100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	66	---	---	---	---	---	---	---
0010	24A	-	24	STH 42	586.75	585.60	0.0291	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	---	---	---	---	---
0010	23	-	24	STH 42	584.90	584.18	0.0032	---	---	---	---	---	---	---	---	---	---	---	---	---	---	225	---	---	---	---	---	---	---
0010	23A	-	23	STH 42	586.20	586.06	0.0150	---	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	22	-	23	STH 42	585.18	584.90	0.0060	---	---	---	---	---	---	---	---	---	---	---	---	---	---	48	---	---	---	---	---	---	---
0010	22A	-	22C	STH 42	585.53	585.41	0.0032	---	---	---	---	---	38	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	EW22B	-	22C	STH 42	586.55	585.41	0.0750	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	22C	-	22	STH 42	585.41	585.28	0.0038	---	---	---	---	---	---	---	---	34	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	21	-	22	STH 42	586.11	585.18	0.0060	---	---	---	---	---	---	---	---	---	---	---	---	---	154	---	---	---	---	---	---	---	---
0010	21A	-	21	STH 42	586.92	586.76	0.0046	---	---	---	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	20	-	21	STH 42	587.38	586.60	0.0089	---	---	---	---	---	---	---	---	---	---	---	87	---	---	---	---	---	---	---	---	---	---
0010	20A	-	20	STH 42	588.42	587.96	0.0499	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	20B	-	20	STH 42	587.56	587.41	0.0044	---	---	---	34	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	19	-	20	STH 42	588.46	587.38	0.0074	---	---	---	---	---	---	---	---	---	---	---	145	---	---	---	---	---	---	---	---	---	---
0010	19A	-	19	STH 42	590.80	590.15	0.0400	---	---	---	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	19B	-	19	STH 42	589.62	589.46	0.0059	---	---	---	27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	18	-	19	STH 42	594.16	588.46	0.0352	---	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	162	---	---	---
0010	18A	-	18B	STH 42	597.19	595.59	0.0800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	20	---	---	---	---	---	---
0010	18B	-	18	STH 42	595.34	594.90	0.0379	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12	---	---	---	9	---
0010	18C	-	18D	STH 42	597.52	596.46	0.0676	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16	---	---	---	---	---	---
0010	18D	-	18	STH 42	596.20	594.90	0.0481	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	---	---	---	22	---
0010	17	-	18	STH 42	618.55	594.16	0.0830	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	294	---	---	294
0010	17A	-	17	STH 42	619.88	619.55	0.0140	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---
0010	17B	-	17	STH 42	619.61	619.55	0.0050	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	---	---	---	---	---	---
0010	16	-	17	STH 42	623.82	618.55	0.0823	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	64	---	---	64
0010	16A	-	16	STH 42	625.17	624.82	0.0150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---
0010	16B	-	16	STH 42	625.05	624.82	0.0200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---
0010	15	-	16	STH 42	635.72	623.82	0.0700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170	---	---	170
0010	15A	-	15	STH 42	636.84	636.72	0.0044	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	---	---	---	---	---	---
0010	15B	-	15	STH 42	636.84	636.72	0.0100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---
0010	14	-	15	STH 42	642.49	635.72	0.0396	---	26	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	171	---	---	---
0010	14A	-	14B	STH 42	646.53	645.30	0.0883	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14	---	---
0010	14B	-	14	STH 42	643.38	643.24	0.0117	---	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---
0010	13	-	14	STH 42	643.31	642.91	0.0460	---	15	---	---	---	---	---	---	---	---	---	88	---	---	---	---	---	---	---	---	---	---
0010	13A	-	13B	STH 42	643.83	643.57	0.0162	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16	---	---	---	---	---	---
0010	13B	-	13	STH 42	643.57	643.45	0.0035	---	---	---	---	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	12	-	13	STH 42	643.50	643.31	0.0028	---	---	---	---	---	---	---	---	---	---	---	64	---	---	---	---	---	---	---	---	---	---
0010	12A	-	12	STH 42	644.19	644.08	0.0098	---	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	11	-	12	STH 42	643.65	643.50	0.0029	---	---	---	---	---	---	---	---	---	---	---	52	---	---	---	---	---	---	---	---	---	---
0010	EW11A	-	11B	STH 42	645.04	643.90	0.0744	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---
0010	11B	-	11	STH 42	643.90	643.78	0.0035	---	---	---	---	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	10	-	11	STH 42	643.81	643.65	0.0028	---	---	---	---	---	---	---	---	---	---	---	57	---	---	---	---	---	---	---	---	---	---
0010	10A	-	10B	STH 42	644.59	644.39	0.0045	---	---	---	44	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	10B	-	10C	STH 42	644.39	644.23	0.0034	---	---	---	---	47	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	10C	-	10	STH 42	644.23	644.14	0.0034	---	---	---	---	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	9	-	10	STH 42	643.98	643.81	0.0030	---	---	---	---	---	---	---	---	---	---	---	57	---	---	---	---	---	---	---	---	---	---
0010	9A	-	9	STH 42	644.33	644.20	0.0045	---	---	---	30	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	8	-	9	STH 42	644.22	643.98	0.0028	---	---	---	---	---	---	---	---	---	---	---	85	---	---	---	---	---	---	---	---	---	---
0010	8B	-	8	STH 42	644.50	644.40	0.0034	3	---	---	---	29	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	8A	-	8B	STH 42	644.82	644.75	0.0041	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	17	---	---	---	---	---	---
				PAGE TOTAL				17	70	44	256	277	38	---	11	49	---	64	635	154	614	194	517	18	861	14	31	528

*JOINT TIES REQIURED ONLY IF RCCP USED.

STORM SEWER PIPE (TABLE 2 OF 2)

CATG.	FROM	-	TO	LOCATION	ELEVATION INLET	ELEVATION DISCHARGE	SLOPE FT/FT	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0005 STORM SEWER ROCK EXCAVATION CY	608.0315 SSPRC CLASS III 15-INCH LF	608.0412 SSPRC CLASS IV 12-INCH LF	608.0415 SSPRC CLASS IV 15-INCH LF	608.0418 SSPRC CLASS IV 18-INCH LF	608.0424 SSPRC CLASS IV 24-INCH LF	608.0430 SSPRC CLASS IV 30-INCH LF	608.2319 SSPRC HE-III 19x30 INCH LF	608.2324 SSPRC HE-III 24x38 INCH LF	608.2329 SSPRC HE-III 29x45 INCH LF	608.2419 SSPRC HE-IV 19x30 LF	608.2424 SSPRC HE-IV 24x38 LF	608.2429 SSPRC HE-IV 29x45 LF	608.3012 SSP CLASS III-A 12-INCH LF	608.3015 SSP CLASS III-A 15-INCH LF	608.3018 SSP CLASS III-A 18-INCH LF	608.3024 SSP CLASS III-A 24-INCH LF	608.6008 SSP COMPOSITE 8-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFERATED 6-INCH LF	SPV.0090.06 JOINT TIES* EACH
0010	7	-	8	STH 42	644.90	644.22	0.0053	---	24	---	---	---	---	---	---	---	---	---	128	---	---	---	---	---	---	---	---	---
0010	7A	-	7	STH 42	646.62	646.46	0.0050	---	---	---	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	6	-	7	STH 42	645.15	644.90	0.0060	---	9	---	---	---	---	---	---	42	---	---	---	---	---	---	---	---	---	---	---	---
0010	6A	-	6	STH 42	646.41	646.15	0.0124	---	4	---	---	---	---	---	---	---	---	---	---	---	---	21	---	---	---	---	---	---
0010	6B	-	6	STH 42	646.02	645.90	0.0041	---	6	---	---	---	---	---	---	---	---	---	---	---	---	---	29	---	---	---	---	---
0010	5	-	6	STH 42	647.30	645.15	0.0205	---	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	105	---	---
0010	5B	-	5	STH 42	650.26	648.76	0.0594	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	---	---	---	---	---
0010	5A	-	5B	STH 42	651.04	650.51	0.0308	---	7	---	---	---	---	---	---	---	---	---	---	---	---	17	---	---	---	---	---	---
0010	4	-	5	STH 42	647.64	647.30	0.0031	---	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	109	---	---
0010	4A	-	4B	STH 42	652.50	652.25	0.0135	---	---	---	---	---	---	---	---	---	---	---	---	---	---	19	---	---	---	---	---	---
0010	4B	-	4	STH 42	652.00	650.85	0.0346	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	33	---	---	---	---	---
0010	4C	-	4	STH 42	649.92	649.70	0.0195	---	4	---	---	---	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---
0010	3	-	4	STH 42	648.04	647.64	0.0031	---	27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	131	---	---
0010	2	-	3	STH 42	648.34	648.04	0.0029	---	52	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	103	---	---
0010	EW2A	-	2	STH 42	651.43	649.45	0.0527	---	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	38	---	---	---	---
0010	2B	-	2C	STH 42	649.58	649.40	0.0045	---	6	---	38	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	2C	-	2	STH 42	649.15	649.09	0.0050	---	3	---	---	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	1	-	2	STH 42	649.12	648.34	0.0054	---	88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	144	---	---
0010	1B	-	1	STH 42	649.72	649.62	0.0032	---	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31	---	---	---	---
0010	1A	-	1B	STH 42	650.02	649.97	0.0034	---	5	---	---	---	---	---	---	---	---	---	---	---	---	---	17	---	---	---	---	---
0010	EX PIPE	-	EPH-1	STH 42	MATCH	580.73	---	1	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	EPH-1	-	EPH-2	STH 42	579.91	579.74	0.0031	---	---	---	55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	EPH-3	-	EPH-5	STH 42	588.89	587.96	0.0090	---	---	---	---	---	103	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	EPH-4	-	EPH-5	STH 42	588.66	588.21	0.0228	---	---	---	---	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	EPH-5	-	OUTFALL	STH 42	587.46	586.69	0.0208	---	---	---	---	---	---	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---
					SUBTOTAL 0010			18	358	44	390	309	141	37	11	91	---	64	763	154	614	263	621	87	1,453	14	31	528
0060	EX PIPE	-	S5	STH 42	583.88	583.33	0.0027	1	---	---	---	---	---	---	206	---	---	---	---	---	---	---	---	---	---	---	---	---
0060	EX PIPE	-	S5	STH 42	586.38	586.20	0.0162	1	---	---	---	11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0060	S5	-	S8	STH 42	583.33	583.12	0.0040	---	---	---	---	---	---	---	53	---	---	---	---	---	---	---	---	---	---	---	---	---
0060	S8	-	S9	STH 42	583.12	582.65	0.0152	---	---	---	---	---	---	---	31	---	---	---	---	---	---	---	---	---	---	---	---	---
0060	S10	-	S11	STH 42	582.60	581.99	0.0051	---	---	---	---	---	---	---	119	---	---	---	---	---	---	---	---	---	---	---	---	---
0060	S11	-	S12	STH 42	581.99	581.44	0.0040	---	---	---	---	---	---	---	---	---	137	---	---	---	---	---	---	---	---	---	---	---
0060	S12	-	OUT	STH 42	581.44	581.20	0.0039	---	---	---	---	---	---	---	---	---	61	---	---	---	---	---	---	---	---	---	---	---
					SUBTOTAL 0060			2	---	---	---	11	---	---	409	---	198	---	---	---	---	---	---	---	---	---	---	---
					TOTAL			20	358	44	390	320	141	37	420	91	198	64	763	154	614	263	621	87	1,453	14	31	528

*JOINT TIES REQIURED ONLY IF RCCP USED.
**QTY SHOWN ELSEWHERE IN PLAN

STORM SEWER STRUCTURE COVERS

CAT.	STRCT.	STATION	OFFSET*	LOCATION	ELEVATION RIM**	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0654 INLET COVERS TYPE V EACH	611.0666 INLET COVERS TYPE Z EACH
0010	S50A	49+46.02	24.1' LT	MAIN ST	594.3	---	---	---	---	1	---	---	---	---
0010	S50	49+79.43	11.6' LT	MAIN ST	594.64	---	1	---	---	---	---	---	---	---
0010	S49	49+78.74	22.9' LT	MAIN ST	593.65	---	---	---	---	---	---	---	1	---
0010	S9	109+25.50	44' LT	STH 42	588.15	---	1	---	---	---	---	---	---	---
0010	S10	109+36.75	44.1' LT	STH 42	587.96	---	1	---	---	---	---	---	---	---
0010	S6A	109+57.05	21.4' LT	STH 42	590.08	---	---	---	1	---	---	---	---	---
0010	S13B	118+68.41	21.4' RT	STH 42	596.77	---	---	---	1	---	---	---	---	---
0010	S13	119+76.22	15.2' RT	STH 42	597.82	---	1	---	---	---	---	---	---	---
0010	S14	121+49.68	6' LT	STH 42	598.43	---	1	---	---	---	---	---	---	---
0010	26	13+40.04	16.5' LT	SHORE RD	587.31	---	---	---	---	1	---	---	---	---
0010	26A	13+58.00	16.5' LT	SHORE RD	587.4	---	---	---	1	---	---	---	---	---
0010	26B	13+24.74	17.1' RT	SHORE RD	587.03	---	---	---	---	---	---	---	1	---
0010	25	10+64.81	18.0' LT	SHORE RD	591.3	---	1	---	---	---	---	---	---	---
0010	25A	10+46.48	25.5' LT	SHORE RD	591.39	---	---	---	1	---	---	---	---	---
0010	24	127+00.25	11.9' LT	STH 42	591.37	---	1	---	---	---	---	---	---	---
0010	24A	126+79.29	21.6' RT	STH 42	590.73	---	---	---	1	---	---	---	---	---
0010	23	129+26.00	13' LT	STH 42	589.72	---	1	---	---	---	---	---	---	---
0010	23A	129+26.00	22' LT	STH 42	589.36	---	---	---	---	1	---	---	---	---
0010	22	129+74.00	13' LT	STH 42	589.74	---	1	---	---	---	---	---	---	---
0010	22A	130+12.08	21.2' RT	STH 42	588.6	---	---	---	---	1	---	---	---	---
0010	22C	129+73.73	21.3' RT	STH 42	588.71	---	---	---	1	---	---	---	---	---
0010	21	131+28.00	13' LT	STH 42	590.63	---	1	---	---	---	---	---	---	---
0010	21A	131+35.50	21.1' RT	STH 42	589.05	---	---	---	1	---	---	---	---	---
0010	20	132+13.50	13' LT	STH 42	591.41	---	1	---	---	---	---	---	---	---
0010	20A	132+13.50	22.1' LT	STH 42	591.35	---	---	---	1	---	---	---	---	---
0010	20B	132+13.53	21' RT	STH 42	589.77	---	---	---	1	---	---	---	---	---
0010	19	133+57.00	6' LT	STH 42	594.48	---	1	---	---	---	---	---	---	---
0010	19A	133+61.00	21.9' LT	STH 42	594.47	---	---	---	1	---	---	---	---	---
0010	19B	133+57.00	21.4' RT	STH 42	593.29	---	---	---	1	---	---	---	---	---
0010	18	135+19.00	6' LT	STH 42	601.44	---	1	---	---	---	---	---	---	---
0010	18A	135+39.01	17.5' LT	STH 42	602.46	---	---	---	1	---	---	---	---	---
0010	18B	135+19.00	17.5' LT	STH 42	601.24	---	---	---	1	---	---	---	---	---
0010	18C	135+39.03	20.2' RT	STH 42	602.41	---	---	---	1	---	---	---	---	---
0010	18D	135+23.31	20.9' RT	STH 42	601.43	---	---	---	1	---	---	---	---	---
0010	17	138+12.00	6' RT	STH 42	624.88	---	1	---	---	---	---	---	---	---
0010	17A	138+12.00	17.5' LT	STH 42	624.68	---	---	---	1	---	---	---	---	---
0010	17B	138+12.00	17.5' RT	STH 42	624.68	---	---	---	1	---	---	---	---	---
0010	16	138+76.00	6' RT	STH 42	630.17	---	1	---	---	---	---	---	---	---
0010	16A	138+76.00	17.5' LT	STH 42	629.97	---	---	---	1	---	---	---	---	---
0010	16B	138+76.00	17.5' RT	STH 42	629.97	---	---	---	1	---	---	---	---	---
0010	15	140+46.00	6' RT	STH 42	641.83	---	1	---	---	---	---	---	---	---
0010	15A	140+45.96	20.8' LT	STH 42	641.56	---	---	---	1	---	---	---	---	---
0010	15B	140+46.00	17.5' RT	STH 42	641.63	---	---	---	1	---	---	---	---	---
0010	14	142+16.72	6' RT	STH 42	648.33	---	1	---	---	---	---	---	---	---
0010	14B	142+16.72	17.5' RT	STH 42	648.74	---	---	---	1	---	---	---	---	---
0010	13	143+03.02	6' RT	STH 42	648.61	---	1	---	---	---	---	---	---	---
0010	13A	143+03.00	45.5' LT	STH 42	646.07	---	---	---	---	---	1	---	---	---
0010	13B	143+03.00	29.5' LT	STH 42	646.63	---	---	---	---	1	---	---	---	---
0010	12	143+66.20	6' RT	STH 42	648.57	---	1	---	---	---	---	---	---	---
0010	12A	143+66.20	17.5' RT	STH 42	648.85	---	---	---	1	---	---	---	---	---
0010	11	144+16.99	6' RT	STH 42	648.59	---	1	---	---	---	---	---	---	---
0010	11B	144+17.00	29.5' LT	STH 42	646.67	---	---	---	---	1	---	---	---	---
0010	10	144+73.01	6' RT	STH 42	648.61	---	1	---	---	---	---	---	---	---
0010	10A	144+14.97	73.7' RT	STH 42	648.09	---	---	---	1	---	---	---	---	---
0010	10B	144+49.46	68.4' RT	STH 42	647.99	---	---	---	1	---	---	---	---	---
0010	10C	144+73.34	30.6' RT	STH 42	649.01	---	---	---	1	---	---	---	---	---
0010	9	145+29.00	0' RT	STH 42	648.44	---	1	---	---	---	---	---	---	---
0010	9A	145+29.00	29.5' LT	STH 42	646.76	---	---	---	---	1	---	---	---	---
0010	8	146+14.87	0' LT	STH 42	649.1	---	1	---	---	---	---	---	---	---
0010	8A	146+15.01	46.4' LT	STH 42	647.43	---	---	---	---	---	---	---	---	1
0010	8B	146+15.01	29.5' LT	STH 42	647.42	---	---	---	1	---	---	---	---	---
0010	7	147+42.79	3.3' LT	STH 42	650.5	---	---	---	1	---	---	---	---	---
0010	7A	147+25.00	24.5' RT	STH 42	650.39	---	---	---	---	1	---	---	---	---
0010	6	147+84.92	4.3' LT	STH 42	651.28	---	---	---	1	---	---	---	---	---
0010	6A	147+89.88	24.5' LT	STH 42	651.23	---	---	---	1	---	---	---	---	---
0010	6B	147+88.80	24.5' RT	STH 42	650.99	---	---	---	1	---	---	---	---	---
0010	5	148+89.63	1' RT	STH 42	654.11	---	1	---	---	---	---	---	---	---
0010	5A	148+89.64	41.6' LT	STH 42	654.28	---	---	---	---	---	---	1	---	---
0010	5B	148+89.64	24.3' LT	STH 42	655.18	---	---	---	1	---	---	---	---	---
0010	4	150+00.00	10.5' RT	STH 42	655.2	---	1	---	---	---	---	---	---	---
0010	4A	150+00.00	41.2' LT	STH 42	655.7	---	---	---	---	---	---	1	---	---
0010	4B	150+00.01	22.7' LT	STH 42	656.88	---	---	---	1	---	---	---	---	---
0010	4C	150+00.02	22.1' RT	STH 42	654.67	---	---	---	1	---	---	---	---	---
0010	3	151+35.00	8.1' RT	STH 42	655.17	---	1	---	---	---	---	---	---	---
0010	2	152+40.02	6' RT	STH 42	654.52	---	1	---	---	---	---	---	---	---
0010	2B	152+00.03	18.6' RT	STH 42	654.11	---	---	---	1	---	---	---	---	---
0010	2C	152+40.02	18' RT	STH 42	653.97	---	---	---	1	---	---	---	---	---
0010	1	153+85.00	6' RT	STH 42	655.14	---	1	---	---	---	---	---	---	---
0010	1A	154+11.52	43.1' RT	STH 42	652.76	---	---	---	---	---	---	1	---	---
0010	1B	154+08.33	26.3' RT	STH 42	654.96	---	---	---	1	---	---	---	---	---
0010	EPH-1	348+05.01	35.4' RT	STH 42	582.42	---	---	---	---	---	---	1	---	---
0010	EPH-5	370+05.65	6' LT	STH 42	592.7	---	1	---	---	---	---	---	---	---
0010	EPH-4	370+07.20	13.6' RT	STH 42	592.79	---	---	---	---	1	---	---	---	---
0010	EPH-3	371+07.59	12.5' RT	STH 42	593.47	---	---	---	---	1	---	---	---	---
					SUBTOTAL 0010	---	29	2	37	8	4	1	2	1
0060	S5	108+81.00	15' RT	STH 42	590.46	---	1	---	---	---	---	---	---	---
0060	S8	108+96.00	35.4' LT	STH 42	588.65	---	1	---	---	---	---	---	---	---
0060	S12	110+44.01	183.3' LT	STH 42	585.71	1	---	---	---	---	---	---	---	---
0060	S11	110+56.11	46.4' LT	STH 42	589.78	1	---	---	---	---	---	---	---	---
					SUBTOTAL 0060	2	2	---	---	---	---	---	---	---
					TOTAL	2	31	2	37	8	4	1	2	1

REMARKS

* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEVATIONS ARE MEASURED FROM CENTER OF MH COVERS AND FLANGE OF INLET CASTINGS

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

**** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT (UNLESS NOTED IN REMARKS)

STORM SEWER STRUCTURES (TABLE 1 OF 2)

								611.1003	611.1004	611.1005	611.1006	611.1230	611.2004	611.2005	611.2006	611.2007	SPV.0060.11	611.3004	611.3230	611.3901	SPV.0060.09	SPV.0060.10	650.4000	
								CATCH BASINS					MANHOLES					INLETS						
					ELEVATION		DEPTH	3-FT DIA.	4-FT DIA.	5-FT DIA.	6-FT DIA.	2x3-FT	4-FT DIA.	5-FT DIA.	6-FT DIA.	7-FT DIA.	8-FT SPECIAL	4-FT DIA.	2x3-FT	MEDIAN 1 GRATE	PIPE INLET STRUCUTRE	MEDIAN 1 GRATE SPECIAL	CONSTRUCTION STAKING STORM SEWER	
CATG.	STRUCTURE	STATION	OFFSET*	LOCATION	RIM**	INVERT***	**** FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	REMARKS
0010	S50A	49+46.02	24.1' LT	MAIN ST	594.3	587.34	5.97	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
0010	S50	49+79.43	11.6' LT	MAIN ST	594.64	588.6	4.99	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	S49	49+78.74	22.9' LT	MAIN ST	593.65	586.55	5.77	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
0010	S9	109+25.50	44' LT	STH 42	588.15	582.65	4.55	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	S10	109+36.75	44.1' LT	STH 42	587.96	582.6	4.41	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	S6A	109+57.05	21.4' LT	STH 42	590.08	585.5	3.58	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	S13B	118+68.41	21.4' RT	STH 42	596.77	592.29	3.98	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	NO RISER RINGS
0010	S13	119+76.22	15.2' RT	STH 42	597.82	592.65	4.11	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	S14	121+49.68	6' LT	STH 42	598.43	590.05	7.33	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	
0010	26	13+40.04	16.5' LT	SHORE RD	587.31	580.35	5.72	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	
0010	26A	13+58.00	16.5' LT	SHORE RD	587.4	582.23	4.18	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	26B	13+24.74	17.1' RT	SHORE RD	587.03	581.69	4	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
0010	25	10+64.81	18.0' LT	SHORE RD	591.3	583.52	6.92	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	
0010	25A	10+46.48	25.5' LT	SHORE RD	591.39	583.21	7.18	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	
0010	24	127+00.25	11.9' LT	STH 42	591.37	584.18	6.33	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	
0010	24A	126+79.29	21.6' RT	STH 42	590.73	584.75	4.98	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	23	129+26.00	13' LT	STH 42	589.72	584.9	3.96	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	
0010	23A	129+26.00	22' LT	STH 42	589.36	584.2	4.17	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	22	129+74.00	13' LT	STH 42	589.74	585.18	3.63	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	
0010	22A	130+12.08	21.2' RT	STH 42	588.6	583.53	4.07	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	22C	129+73.73	21.3' RT	STH 42	588.71	583.41	4.63	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	2-INCH RISER RINGS
0010	21	131+28.00	13' LT	STH 42	590.63	586.11	3.6	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	
0010	21A	131+35.50	21.1' RT	STH 42	589.05	584.92	3.3	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	4-INCH RISER RINGS
0010	20	132+13.50	13' LT	STH 42	591.41	587.38	3.07	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	
0010	20A	132+13.50	22.1' LT	STH 42	591.35	588.42	2.1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	
0010	20B	132+13.53	21' RT	STH 42	589.77	585.56	3.21	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	19	133+57.00	6' LT	STH 42	594.48	588.46	5.03	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	
0010	19A	133+61.00	21.9' LT	STH 42	594.47	590.8	2.83	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	
0010	19B	133+57.00	21.4' RT	STH 42	593.29	587.62	4.67	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	18	135+19.00	6' LT	STH 42	601.44	594.16	6.3	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	18A	135+39.01	17.5' LT	STH 42	602.46	597.19	4.44	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	
0010	18B	135+19.00	17.5' LT	STH 42	601.24	595.34	5.09	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	
0010	18C	135+39.03	20.2' RT	STH 42	602.41	595.52	5.89	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	18D	135+23.31	20.9' RT	STH 42	601.43	594.21	6.22	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	17	138+12.00	6' RT	STH 42	624.88	618.55	5.34	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	
0010	17A	138+12.00	17.5' LT	STH 42	624.68	619.88	3.97	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	
0010	17B	138+12.00	17.5' RT	STH 42	624.68	617.61	6.07	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	16	138+76.00	6' RT	STH 42	630.17	623.82	5.37	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	
0010	16A	138+76.00	17.5' LT	STH 42	629.97	625.17	3.97	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	
0010	16B	138+76.00	17.5' RT	STH 42	629.97	623.05	5.93	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	15	140+46.00	6' RT	STH 42	641.83	635.72	5.12	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	
0010	15A	140+45.96	20.8' LT	STH 42	641.56	636.84	3.89	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	
0010	15B	140+46.00	17.5' RT	STH 42	641.63	634.84	5.79	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	14	142+16.72	6' RT	STH 42	648.33	642.49	4.85	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	14A	142+25.00	28.1' RT	STH 42	648.53	646.53	2.00	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1	
0010	14B	142+16.72	17.5' RT	STH 42	648.74	641.38	6.36	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
0010	13	143+03.02	6' RT	STH 42	648.61	643.31	4.33	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	13A	143+03.00	45.5' LT	STH 42	646.07	643.83	2.41	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	
0010	13B	143+03.00	29.5' LT	STH 42	646.63	643.57	2.06	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	12	143+66.20	6' RT	STH 42	648.57	643.5	4.1	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
				PAGE TOTAL				1	4	---	1	14	4	8	3	4	1	1	7	1	1	---	50	

REMARKS

* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEVATIONS ARE MEASURED FROM CENTER OF MH COVERS AND FLANGE OF INLET CASTINGS

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

**** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT (UNLESS NOTED IN REMARKS)

STORM SEWER STRUCTURES (TABLE 2 OF 2)

								611.1003	611.1004	611.1005	611.1006	611.1230	611.2004	611.2005	611.2006	611.2007	SPV.0060.11	611.3004	611.3230	611.3901	SPV.0060.09	SPV.0060.10	650.4000	
								CATCH BASINS					MANHOLES					INLETS						
					ELEVATION		DEPTH	3-FT DIA.	4-FT DIA.	5-FT DIA.	6-FT DIA.	2x3-FT	4-FT DIA.	5-FT DIA.	6-FT DIA.	7-FT DIA.	8-FT SPECIAL	4-FT DIA.	2x3-FT	MEDIAN 1 GRATE	PIPE INLET STRUCUTRE	MEDIAN 1 GRATE SPECIAL	CONSTRUCTION STAKING STORM SEWER	
CATG.	STRUCTURE	STATION	OFFSET*	LOCATION	RIM**	INVERT***	****	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	REMARKS
0010	12A	143+66.20	17.5' RT	STH 42	648.85	642.19	5.65	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	11	144+16.99	6' RT	STH 42	648.59	643.65	3.97	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	11B	144+17.00	29.5' LT	STH 42	646.67	641.9	3.76	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	10	144+73.01	6' RT	STH 42	648.61	643.81	3.83	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	10A	144+14.97	73.7' RT	STH 42	648.09	642.59	4.5	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	10B	144+49.46	68.4' RT	STH 42	647.99	642.39	4.6	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
0010	10C	144+73.34	30.6' RT	STH 42	649.01	642.23	5.78	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
0010	9	145+29.00	0' RT	STH 42	648.44	643.98	3.5	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	9A	145+29.00	29.5' LT	STH 42	646.76	642.33	3.43	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	8	146+14.87	0' LT	STH 42	649.1	644.22	3.91	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	8A	146+15.01	46.4' LT	STH 42	647.43	642.82	3.53	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
0010	8B	146+15.01	29.5' LT	STH 42	647.42	642.5	3.92	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	7	147+42.79	3.3' LT	STH 42	650.5	642.9	6.6	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	
0010	7A	147+25.00	24.5' RT	STH 42	650.39	646.62	2.77	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	6	147+84.92	4.3' LT	STH 42	651.28	643.15	7.13	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	
0010	6A	147+89.88	24.5' LT	STH 42	651.23	644.41	5.82	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	6B	147+88.80	24.5' RT	STH 42	650.99	644.02	5.98	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	5	148+89.63	1' RT	STH 42	654.11	647.3	5.82	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	5A	148+89.64	41.6' LT	STH 42	654.28	651.04	3.41	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	
0010	5B	148+89.64	24.3' LT	STH 42	655.18	648.26	5.91	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	4	150+00.00	10.5' RT	STH 42	655.2	647.64	6.58	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	4A	150+00.00	41.2' LT	STH 42	655.7	652.5	3.37	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	
0010	4B	150+00.01	22.7' LT	STH 42	656.88	650	5.88	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	4C	150+00.02	22.1' RT	STH 42	654.67	647.92	5.75	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	3	151+35.00	8.1' RT	STH 42	655.17	648.04	6.14	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	
0010	2	152+40.02	6' RT	STH 42	654.52	648.34	5.19	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	2B	152+00.03	18.6' RT	STH 42	654.11	647.58	5.53	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	2C	152+40.02	18' RT	STH 42	653.97	647.15	5.81	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	
0010	1	153+85.00	6' RT	STH 42	655.14	649.12	5.03	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	
0010	1A	154+11.52	43.1' RT	STH 42	652.76	650.02	2.92	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1	
0010	1B	154+08.33	26.3' RT	STH 42	654.96	647.72	6.24	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	
0010	EPH-1	348+05.01	35.4' RT	STH 42	582.42	577.91	4.51	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	2-INCH RISER
0010	EPH-5	370+05.65	6' LT	STH 42	592.7	587.46	4.24	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0010	EPH-4	370+07.20	13.6' RT	STH 42	592.79	586.66	5.22	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2-INCH RISER
0010	EPH-3	371+07.59	13.5' RT	STH 42	593.47	586.89	5.67	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2-INCH RISER
0010	SUBTOTAL FROM SPECIAL STORM SEWER STRUCTURES AND APRON ENDWALLS							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5	
						SUBTOTAL 0010		4	7	1	2	27	6	16	3	4	1	1	7	4	1	1	90	
0060	S5	108+81.00	15' RT	STH 42	590.46	583.33	6.18	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	
0060	S8	108+96.00	35.4' LT	STH 42	588.65	583.12	4.59	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0060	S12	110+44.01	183.3' LT	STH 42	585.71	581.44	3.34	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	
0060	S11	110+56.11	46.4' LT	STH 42	589.78	581.99	6.84	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	
						SUBTOTAL 0060		---	---	---	---	---	---	2	1	1	---	---	---	---	---	---	4	
						TOTAL		4	7	1	2	27	6	18	4	5	1	1	7	4	1	1	94	

REMARKS

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**** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT (UNLESS NOTED IN REMARKS)

STORM SEWER SPECIAL ITEMS

CATG.	STRC.	STATION	OFFSET*	LOCATION	ELEVATION RIM	ELEVATION INVERT**	DEPTH*** FT	612.0902.S INSULATION BOARD POLYSTYRENE 2-INCH SY	SPV.0060.01 STORMWATER TREATMENT DEVICE EACH	SPV.0165.03 CONCRETE WEIR INSIDE MANHOLE SF	650.4000 STAKING STORM SEWER**** EACH	REMARKS
0010	S9	109+25.5	44' LT	STH 42	---	---	---	---	---	10.3	---	
0010	SWTD	109+31.2	57.5' LT	STH 42	VAR.	VAR.	VAR.	---	1	---	1	
						SUBTOTAL 0010		---	1	10.3	1****	
0060	---	108+89	5.4'-22.0' LT	STH 42	---	---	---	8	---	---	---	COVER 3 SANITARY PIPES
0060	---	126+90	28' LT	STH 42	---	---	---	4	---	---	---	COVER 2 SANITARY PIPES
0060	---	127+10	12' LT	STH 42	---	---	---	4	---	---	---	COVER 1 SANITARY PIPE
0060	---	131+56	12' LT	STH 42	---	---	---	4	---	---	---	COVER 2 SANITARY PIPES
0060	---	142+53	3' RT	STH 42	---	---	---	4	---	---	---	COVER 1 SANITARY PIPE
0060	---	143+97	5' RT	STH 42	---	---	---	8	---	---	---	COVER 3 SANITARY PIPES
0060	---	144+73	24' RT	STH 42	---	---	---	4	---	---	---	COVER 1 SANITARY PIPE
						SUBTOTAL 0060		36	---	---	---	
						TOTAL		36	1	10.3	****	

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****QUANTITY INCLUDED IN STORM SEWER STRUCTURE TABLE

GUARDRAIL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3 K LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	REMARKS
0010	475+10	-	475+63	STH 42 LT	---	---	1	
0010	474+97	-	475+50	STH 42 RT	---	---	1	
0010	475+63	-	485+01	STH 42 LT	938	---	---	
0010	475+50		476+00	STH 42 RT	50	---	---	
0010	476+00	-	481+75	STH 42 RT	---	575	---	
0010	481+75	-	484+53	STH 42 RT	278	---	---	
0010	485+01	-	485+54	STH 42 LT	---	---	1	
0010	484+53	-	485+06	STH 42 RT	---	---	1	
				SUBTOTAL 0010	1,266	575	4	
				TOTAL	1,266	575	4	

CHAIN LINK FENCE 5-FT

CATEGORY	STATION	TO	STATION	LOCATION	616.0205 LF	REMARKS
0010	138+72	-	142+89	STH 42 LT	403	GIBRALTAR SCHOOL
				SUBTOTAL 0010	403	
				TOTAL	403	

RECONNECTING EXISTING STORM SEWER LATERALS

CATEGORY	STRUCTURE	STATION	OFFSET	LOCATION	SPV.0060.03 EACH	REMARKS
0010	24A	126+79	22' RT	STH 42	1	12-INCH CORRUGATED POLYTHYLENE PIPE
0010	23A	12926	22' LT	STH 42	1	8-INCH PVC
0010	21A	131+35	22' RT	STH 42	1	12-INCH CORRUGATED POLYTHYLENE PIPE
0010	20A	132+13	22' LT	STH 42	1	12-INCH PVC
0010	EPH-3	371+08	13.5' RT	STH 42	1	6-INCH PVC
0010	EPH-4	370+07	13.6' RT	STH 42	1	6-INCH DRAIN TILE
0010	26B	13+25	17' RT	SHORE RD	1	4-INCH PVC
				SUBTOTAL 0010	7	
				TOTAL	7	

ADJUSTING AND RECONSTRUCTING

CATEGORY	STATION	LOCATION	611.8110 ADJUSTING MANHOLES COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH	REMARKS
0010	102+69	STH 42 34' RT	---	1	---	STORM SEWER
0010	103+07	STH 42 45' RT	---	1	---	STORM SEWER
0010	151+51	STH 42 57' RT	1	---	1	SANITARY
0010	301+33	STH 42 44' RT	1	---	1	STORM SEWER
		SUBTOTAL 0010	2	2	2	
0070	295+47	STH 42 RT	1	---	1	SANITARY
0070	296+81	STH 42 RT	1	---	1	SANITARY
0070	298+44	STH 42 RT	1	---	1	SANITARY
0070	301+46	STH 42 RT	1	---	1	SANITARY
0070	304+46	STH 42 RT	1	---	1	SANITARY
0070	386+36	STH 42 RT	1	---	1	SANITARY
0070	389+12	STH 42 RT	1	---	1	SANITARY
0070	391+82	STH 42 RT	1	---	1	SANITARY
0070	395+79	STH 42 RT	1	---	1	SANITARY
0070	398+87	STH 42 RT	1	---	1	SANITARY
0070	398+95	STH 42 LT	1	---	1	SANITARY
0070	400+88	STH 42 RT	1	---	1	SANITARY
0070	402+92	STH 42 RT	1	---	1	SANITARY
0070	404+92	STH 42 RT	1	---	1	SANITARY
0070	406+94	STH 42 RT	1	---	1	SANITARY
0070	409+18	STH 42 RT	1	---	1	SANITARY
0070	413+16	STH 42 RT	1	---	1	SANITARY
0070	415+18	STH 42 RT	1	---	1	SANITARY
0070	417+17	STH 42 RT	1	---	1	SANITARY
0070	420+28	STH 42 RT	1	---	1	SANITARY
0070	422+30	STH 42 RT	1	---	1	SANITARY
0070	427+61	STH 42 LT	1	---	1	SANITARY
0070	427+63	STH 42 RT	1	---	1	SANITARY
0070	431+94	STH 42 RT	1	---	1	SANITARY
0070	435+53	STH 42 RT	1	---	1	SANITARY
0070	440+35	STH 42 RT	1	---	1	SANITARY
0070	445+35	STH 42 RT	1	---	1	SANITARY
0070	450+29	STH 42 RT	1	---	1	SANITARY
0070	451+92	STH 42 RT	1	---	1	SANITARY
0070	456+38	STH 42 RT	1	---	1	SANITARY
0070	459+39	STH 42 LT	1	---	1	SANITARY
		SUBTOTAL 0070	31	---	31	
		TOTAL	33	33	33	

3

RESTORATION ITEMS

CATG.	Sta.	TO STA.	LOCATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.6510 SOIL STABILIZER TYPE B ACRE	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	631.0300 SAD WATER MGAL	631.1000 SOD LAWN SY	REMARKS
0010	97+36	- 97+51	STH 42 RT	---	---	---	---	---	0.01	---	---	1	2	16	BLUFF LANE
0010	99+44	- 100+57	STH 42 RT	---	---	---	---	---	0.00	---	---	1	1	5	NOBLE HOUSE
0010	108+59	- 108+93	STH 42 LT	---	---	---	---	---	0.03	---	---	1	5	41	FISH CREEK BEACH PARKING
0010	125+33	- 126+20	STH 42 LT	---	---	---	---	---	0.01	---	---	1	1	10	
0010	134+35	- 134+70	STH 42 LT	---	8	---	8	---	0.01	---	---	1	---	---	
0010	134+82	- 136+91	STH 42 LT	---	---	---	---	---	0.13	---	---	6	24	210	
0010	135+06	- 137+78	STH 42 RT	---	---	---	---	---	0.10	---	---	4	17	156	
0010	137+27	- 137+41	STH 42 LT	---	---	---	---	---	0.01	---	---	1	1	12	
0010	137+96	- 140+31	STH 42 RT	---	---	---	---	---	0.07	---	---	3	12	105	
0010	137+76	- 138+45	STH 42 LT	---	---	---	---	---	0.02	---	---	1	3	24	
0010	138+64	- 148+17	STH 42 LT	---	---	---	---	---	0.40	---	---	17	72	641	
0010	140+37	- 142+21	STH 42 RT	---	---	---	---	---	0.05	---	---	2	9	84	
0010	141+62	- 147+58	STH 42 LT	---	---	---	---	---	0.14	---	---	6	25	227	
0010	142+47	- 143+98	STH 42 RT	---	---	---	---	---	0.14	---	---	6	25	221	
0010	144+68	- 146+30	STH 42 RT	---	---	---	---	---	0.29	---	---	12	51	455	
0010	146+61	- 153+53	STH 42 RT	---	---	---	---	---	0.39	---	---	17	69	612	
0010	148+97	- 153+35	STH 42 RT	---	---	---	---	---	0.12	---	---	5	20	183	
0010	148+68	- 151+08	STH 42 LT	---	---	---	---	---	0.25	---	---	11	45	400	
0010	151+59	- 158+55	STH 42 LT	---	---	---	---	---	0.87	---	---	37	154	1,378	
0010	153+98	- 158+55	STH 42 RT	---	---	---	---	---	0.48	---	---	21	85	759	
0010	369+98	- 370+11	STH 42 LT	---	72	72	---	---	0.05	---	1	1	---	---	
0010	370+07	- 370+21	STH 42 RT	---	15	15	---	---	0.01	---	1	1	---	---	
0010	370+76	- 370+99	STH 42 LT	39	---	39	---	---	0.02	---	1	1	---	---	
0010	370+99	- 371+17	STH 42 RT	---	10	10	---	---	0.01	---	1	1	---	---	
0010	425+50	- 426+31	STH 42 LT	---	50	50	---	---	0.03	---	1	1	---	---	
0010	450+00	- 450+40	STH 42 RT	---	36	36	---	---	0.02	---	1	1	---	---	
0010	451+25	- 453+67	STH 42 RT	---	77	77	---	---	0.05	---	1	1	---	---	
0010	455+71	- 459+20	STH 42 LT	---	196	196	---	---	0.12	---	4	4	---	---	
0010	474+18	- 486+20	STH 42 RT	---	1,189	---	1,189	---	0.75	16	---	16	---	---	
0010	473+92	- 474+35	STH 42 LT	---	59	---	59	---	0.04	1	---	1	---	---	
0010	474+68	- 486+34	STH 42 LT	---	1,349	---	1,349	---	0.85	18	---	18	---	---	
0010	11+28		CTH F LT	---	---	---	---	---	0.35	---			63	560	TEMP DWY RESTORATION
0010	11+60		GIBRALTAR RD RT	---	---	---	---	---	0.31	---	---	---	55	495	GIBRALTAR RD TEMP CONNECTION
0010	00+00	- 00+00	UNDISTRIBUTED	100	900	250	500	0.7	2.0	10	10	30	112	1,000	INCLDUES QTY FOR SIDEWALK WORK
			SUBTOTAL 0010	139	3,960	745	3,105	0.7	8.1	45	21	230	851	7,594	
0060	107+70	- 107+78	STH 42 LT	---	---	---	---	---	0.1	---	---	2	9	82	SS OUTFALL REMOVAL
0060	109+41	- 110+17	STH 42 LT	---	685	685	---	---	0.4	---	---	19	---	---	SS OUTFALL INSTALLATION
0060	10+17	- 15+20	SHORE RD	---	---	---	---	---	0.1	0.2	---	---	9	36	323	
0060	SRPING ROAD		---	---	---	---	---	---	---	---	---	---	---	6.0	52	SPRING ROAD SIDEWALK
0060	CTH F		---	---	---	---	---	---	---	---	---	---	---	29.0	255	CTH F SIDEWALK
			SUBTOTAL 0060	---	685	685	---	0.1	0.7	---	---	30	80	712	
			TOTAL	139	4,645	1,430	3,105	0.8	8.8	45	21	260	931	8,306	

EROSION CONTROL

CATG.	STATION	- STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	REMARKS
0010	97+43	- 97+57	STH 42 RT	30	30	---	---	21	BLUFF LANE
0010	107+76	- 108+11	STH 42 LT	99	99	---	---	22	OUTFALL REMOVAL
0010	108+40	- 109+51	STH 42 LT	62	62	---	---	109	BEACH PARKING AREA
0010	122+70	- 124+03	STH 42 RT	122	122	---	---	---	
0010	123+30	- 124+49	STH 42 LT	82	82	---	---	43	
0010	125+10	- 126+20	STH 42 LT	109	109	---	---	---	
0010	129+69	- 129+88	STH 42 RT	19	19	---	3	---	
0010	134+29	- 136+91	STH 42 LT	242	242	---	---	43	
0010	135+06	- 137+77	STH 42 RT	252	252	---	---	43	
0010	141+34	- 142+21	STH 42 RT	99	99	---	---	---	
0010	142+48	- 143+97	STH 42 RT	205	205	---	---	---	
0010	144+30		STH 42 LT	---	---	---	2	---	
0010	144+71	- 145+34	STH 42 RT	111	111	---	---	---	
0010	144+79		STH 42 LT	---	---	9	---	---	
0010	145+54	- 146+20	STH 42 RT	80	80	---	---	---	
0010	147+16	- 151+22	STH 42 RT	396	396	---	---	---	
0010	151+50	- 153+84	STH 42 RT	223	223	---	---	---	GIBRALTAR RD
0010	151+83		STH 42 LT	---	---	---	3	---	
0010	152+49		STH 42 LT	---	---	---	3	---	
0010	152+07	- 155+71	STH 42 LT	396	396	10	---	---	
0010	154+03	- 156+63	STH 42 RT	223	223	20	---	---	
0010	156+82	- 158+75	STH 42 RT	200	200	20	3	---	
0010	156+88		STH 42 LT	---	---	---	3	---	
0010	159+24		STH 42 LT	---	---	10	---	---	
0010	369+96	- 370+15	STH 42 LT	30	30	---	---	21	
0010	370+76	- 370+98	STH 42 LT	21	21	---	---	21	
0010	424+56		STH 42 LT	---	---	10	---	---	
0010	425+13		STH 42 LT	---	---	10	---	---	
0010	441+62	- 446+84	STH 42 LT	523	523	---	---	---	
0010	445+35	- 447+51	STH 42 RT	217	217	---	---	---	
0010	447+85	- 448+09	STH 42 RT	26	26	---	---	---	
0010	448+60	- 450+40	STH 42 RT	181	181	---	---	---	
0010	450+33		STH 42 LT	---	---	---	6	---	
0010	450+72	- 452+93	STH 42 RT	221	221	---	---	---	
0010	453+73	- 454+18	STH 42 RT	46	46	---	---	---	
0010	455+13	- 456+67	STH 42 RT	154	154	---	---	---	
0010	455+62	- 459+41	STH 42 LT	390	390	---	---	---	
0010	474+30	- 486+47	STH 42 LT	1,206	1,206	---	6	21	
0010	475+89	- 484+12	STH 42 RT	794	794	---	12	64	
			SUBTOTAL 0010	6,756	6,756	89	41	408	
0060	109+41	- 110+68	STH 42 LT	475	475	---	---	12	OUTFALL RELOCATE
0060	10+17	- 13+36	SHORE RD LT	368	368	---	---	---	
0060	13+45	- 15+25	SHORE RD LT	215	215	---	---	---	
0060	SPRING RD			65	65	---	---	---	SIDEWALK
0060	CTH F			153	153	---	---	---	SIDEWALK
			SUBTOTAL 0060	1,276	1,276	---	---	12	
			TOTAL	8,032	8,032	89	41	420	

INLET PROTECTION

CATEGORY	STATION	OFFSET	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	REMARKS
0010	96+65	22.18'	STH 42 RT	---	---	2	---	
0010	96+68	20.20'	STH 42 LT	---	---	2	---	
0010	99+44	20.97'	STH 42 RT	---	---	2	---	
0010	99+56	22.17'	STH 42 LT	---	1	2	---	
0010	99+80	43.26'	STH 42 LT	---	---	1	---	MAIN ST
0010	100+01	135'	STH 42 LT	---	1	1	2	JUNIPER'S AND SPRUCE ST
0010	101+73	20.54'	STH 42 LT	---	---	1	---	
0010	101+73	22.27'	STH 42 RT	---	---	1	---	
0010	102+69	45.21'	STH 42 RT	---	---	1	---	HILL ST
0010	103+07	43.31'	STH 42 RT	---	1	---	---	HILL ST
0010	106+60	22.37'	STH 42 RT	---	---	1	---	
0010	106+60	20.95'	STH 42 LT	---	---	1	---	
0010	109+57	21.17'	STH 42 LT	---	---	1	1	
0010	110+96	21.53'	STH 42 RT	---	---	1	---	
0010	118+68	21.13'	STH 42 RT	---	---	1	1	
0010	119+53	21.69'	STH 42 LT	---	---	1	---	
0010	126+79	21.45'	STH 42 RT	---	---	1	1	
0010	129+26	21.96'	STH 42 LT	---	---	1	1	
0010	129+74	21.32'	STH 52 RT	---	---	1	---	
0010	130+12	21.25'	STH 42 RT	---	---	1	1	
0010	131+36	21.14'	STH 42 RT	---	---	1	1	
0010	132+14	20.94'	STH 42 RT	---	---	1	1	
0010	132+14	22.13'	STH 42 LT	---	---	2	---	
0010	133+57	21.41'	STH 42 RT	---	---	---	1	
0010	133+61	21.89'	STH 42 LT	---	---	1	---	
0010	135+19	17.57'	STH 42 LT	---	---	1	---	
0010	135+23	20.93'	STH 42 RT	---	---	---	1	
0010	135+39	20.20'	STH 42 RT	---	---	---	1	
0010	135+39	17.57'	STH 42 LT	---	---	1	---	
0010	138+12	17.50'	STH 42 LT	---	---	1	---	
0010	138+12	17.57'	STH 42 RT	---	---	---	1	
0010	138+52	25.40'	STH 42 RT	---	1	---	---	EXISTING
0010	138+76	17.43'	STH 42 RT	---	---	---	1	
0010	138+76	17.50'	STH 42 LT	---	---	1	---	
0010	138+80	24.75'	STH 42 LT	---	1	---	---	EXISTING
0010	140+46	20.86'	STH 42 LT	---	---	1	---	
0010	140+46	17.50'	STH 42 RT	---	---	---	1	
0010	142+17	17.57'	STH 42 RT	---	---	---	1	
0010	142+25	28.18'	STH 42 RT	---	1	---	---	
0010	143+03	29.32'	STH 42 LT	---	1	---	1	
0010	143+66	17.57'	STH 42 RT	---	---	---	1	
0010	144+15	73.71'	STH 42 RT	---	---	---	1	
0010	144+50	68.42'	STH 42 RT	---	---	---	1	
0010	144+73	30.69'	STH 42 RT	---	---	---	1	
0010	144+17	29.50'	STH 42 LT	---	---	---	1	
0010	145+29	29.57'	STH 42 LT	---	---	---	1	
0010	146+15	29.89'	STH 42 LT	---	---	---	1	
0010	146+15	46.83'	STH 42 LT	---	1	---	---	
0010	147+25	24.30'	STH42 RT	---	---	---	1	
0010	147+40	3.26'	STH 42 RT	---	---	---	1	
0010	147+43	3.19'	STH 42 LT	---	---	---	1	
0010	147+85	4.33'	STH 42 LT	---	---	---	1	
0010	147+89	24.57'	STH 42 RT	---	---	---	1	
0010	147+90	24.43'	STH 42 LT	---	---	---	1	
0010	148+90	24.14'	STH 42 LT	---	---	---	1	
0010	148+90	41.57'	STH 42 LT	---	1	---	---	
0010	150+00	22.09'	STH 42 RT	---	---	---	1	
0010	150+00	22.70'	STH 42 LT	---	---	---	1	
0010	150+00	41.21'	STH 42 LT	---	1	---	---	
0010	152+04	52.99'	STH 42 LT	1	---	---	---	KARST FEATURE
0010	152+00	18.56'	STH 42 RT	---	---	---	1	
0010	152+40	17.97'	STH 42 RT	---	---	---	1	
0010	152+85	68.40'	STH 42 LT	1	---	---	---	KARST FEATURE
0010	154+08	26.28'	STH 42 RT	---	---	---	1	
0010	154+12	43.06'	STH 42 RT	---	1	---	---	
0010	307+40	25.00'	STH 42 RT	---	1	---	---	
0010	311+00	20.00'	STH 42 RT	---	---	---	1	
0010	313+44	20.00'	STH 42 RT	---	---	---	1	
0010	345+75	14.00'	STH 42 RT	---	1	---	---	
0010	347+36	24.00'	STH 42 LT	---	1	---	---	
0010	347+87	16.00'	STH 42 LT	---	1	---	---	
0010	348+05	25.30'	STH 42 RT	---	2	---	---	
0010	348+81	57.00'	STH 42 RT	---	1	---	---	
0010	370+07	13.73'	STH 42 RT	---	2	---	---	
0010	371+08	12.54'	STH 42 RT	---	2	---	---	
0010	10+47	25.44'	SHORE RD LT	---	---	1	1	
0010	13+40	16.47'	SHORE RD LT	---	1	1	1	
0010	13+25	17.06'	SHORE RD RT	---	1	---	1	
0010	13+58	16.43'	SHORE RD LT	---	---	---	1	
			SUBTOTAL 0010	2	24	35	42	
			TOTAL	2	24	35	42	

MARKERS CULVERT END

633.5200

CATG.	STATION	LOCATION	EACH	REMARKS
0010	129+80	STH 42 RT	1	
0010	144+26	STH 42 RT	1	
0010	151+86	STH 42 RT	1	
0010	152+91	STH 42 LT	2	GIBRL. SCHOOL PATH
0010	156+52	STH 42 LT	2	DWY PIPE
0010	156+66	STH 42 RT	2	YMCA PATH
0010	370+03	STH 42 LT	1	
0010	450+30	STH 42	2	
0010	13+41	SHORE RD LT	1	
		SUBTOTAL 0010	13	
		TOTAL	13	

MOBILIZATIONS EROSION CONTROL

CATEGORY	DESCRIPTION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 EMERGENCY EROSION CONTROL EACH	REMARKS
0010	STAGE 1 PHASE A	1	1	
0010	STAGE 1 PHASE B	1	1	
0010	STAGE 2	1	1	
0010	SUMMER WORK RESTRICTIONS	1	1	
0010	START UP SEPTEMBER	1	---	
0010	FINISH PROJECT	1	---	
0010	FISH CREEK BEACH	1	---	RESTORATION SENSATIVE AREA
0010	PEN. STATE PARK OUTFALL	1	---	RESTORATION SENSATIVE AREA
	SUBTOTAL 0010	8	4	
	TOTAL	8	4	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	STH 42, S. OF BLUFF LN	R7-1R	18" X 24"	3.00	---	---	1	---	---	1	1	
2	"	W3-1	30" X 30"	---	---	6.25	---	1	---	1	1	
3	"	R7-1L	24" X 30"	5.00	---	---	1	---	---	---	---	
4	BLUFF LN	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
5	STH 42, N. OF BLUFF LN	J2-1	24" X 57"	9.50	---	---	---	1	---	1	1	SEE PLAN SHEET
6	"	J3-1	24" X 57"	9.50	---	---	---	1	---	---	---	SEE PLAN SHEET
7	"	J4-3	72" X 36"	18.00	---	---	---	2	---	1	1	SEE PLAN SHEET
8	"	R7-1R	18" X 24"	3.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN 7
9	"	R7-1L	24" X 30"	5.00	---	---	1	---	---	---	---	
10	"	R1-1	36" X 36"	7.46	---	---	---	---	---	---	---	MOUNT TO OVERHEAD FLASHER
11	"	W4-4AR	42" X 15"	---	---	4.38	---	---	---	---	---	MOUNT TO OVERHEAD FLASHER TO RIGHT OF SIGN 10
12	VACANT	---	---	---	---	---	---	---	---	---	---	
13	STH 42, N. OF BLUFF LN	R1-1	36" X 36"	7.46	---	---	---	---	---	1	---	MOUNT TO UPRIGHT
14	"	W4-4AR	42" X 15"	---	---	4.38	---	---	---	---	---	MOUNT BELOW SIGN 14
15	"	J3-1	---	---	---	---	---	---	---	---	---	PART OF SIGN 13 REMOVAL
16	MAIN ST	J3-1	24" X 69"	11.50	---	---	---	---	1	1	1	SEE PLAN SHEET
17	"	R1-1	30" X 30"	5.18	---	---	---	1	---	---	---	
18	"	W4-4B	30" X 12"	---	---	2.50	---	---	---	---	---	MOUNT BELOW SIGN 17
19	SPRUCE ST	R1-1	30" X 30"	5.18	---	---	---	1	---	---	---	
20	"	W4-4A	30" X 12"	---	---	2.50	---	---	---	---	---	MOUNT BELOW SIGN 19
21	STH 42, N. OF SPRUCE ST	R2-1	---	---	---	---	---	---	---	1	1	
22	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	---	30 MPH, MOUNT TO UTILITY POLE
23	"	J2-1	24" X 57"	9.50	---	---	---	1	---	1	1	SEE PLAN SHEET
24	PINE ST	R1-1	30" X 30"	5.18	---	---	---	1	---	1	1	
25	STH 42, N. OF PINE ST	J4-1	24" X 60"	10.00	---	---	---	---	---	1	---	MOUNT TO UTILITY POLE
25A	"	R7-6L	18" X 24"	3.00	---	---	1	---	---	---	---	
25B	"	R7-6R	18" X 24"	3.00	---	---	1	---	---	---	---	
26	"	W11-2	30" X 30"	---	---	6.25	---	---	---	---	---	MOUNT TO UTILITY POLE
27	"	W16-9P	24" X 8"	---	---	1.33	---	---	---	---	---	MOUNT BELOW SIGN 26
28	"	W11-2	---	---	---	---	---	---	---	1	1	
28A	"	W11-2	30" X 30"	---	---	6.25	---	1	---	---	---	
28B	"	W16-7L	24" X 12"	---	---	2.00	---	---	---	---	---	MOUNT BELOW SIGN 28A
28C	"	W11-2	30" X 30"	---	---	6.25	---	1	---	---	---	
28D	"	W16-7L	24" X 12"	---	---	2.00	---	---	---	---	---	MOUNT BELOW SIGN 28C
29	"	R2-1	---	---	---	---	---	---	---	1	1	
30	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	---	30 MPH, MOUNT TO UTILITY POLE
31A	"	R7-6R	18" X 24"	3.00	---	---	1	---	---	---	---	
31	"	R7-6L	18" X 24"	3.00	---	---	1	---	---	1	1	REMOVE W11-2
32	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	30 MPH
33	"	W11-2	30" X 30"	---	---	6.25	---	---	---	---	---	MOUNT TO UTILITY POLE
34	"	W16-9P	24" X 8"	---	---	1.33	---	---	---	---	---	MOUNT BELOW SIGN 33
35	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	---	30 MPH, MOUNT TO UTILITY POLE
35A	"	W11-2	30" X 30"	---	---	6.25	---	1	---	---	---	
35B	"	W16-7L	24" X 12"	---	---	2.00	---	---	---	---	---	MOUNT BELOW SIGN 35A
35C	"	W11-2	30" X 30"	---	---	6.25	---	1	---	---	---	
35D	"	W16-7L	24" X 12"	---	---	2.00	---	---	---	---	---	MOUNT BELOW SIGN 35C
PAGE SUBTOTALS				151.64	0.00	68.17	9	13	1	15	13	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
35E	"	W11-2	30" X 30"	---	---	6.25	---	1	---	---	---	
35F	"	W16-7L	24" X 12"	---	---	2.00	---	---	---	---	---	MOUNT BELOW SIGN 35E
35G	"	W11-2	30" X 30"	---	---	6.25	---	1	---	---	---	
35H	"	W16-7L	24" X 12"	---	---	2.00	---	---	---	---	---	MOUNT BELOW SIGN 35G
36	STH 42, N. OF PINE ST	R2-1	24" X 30"	5.00	---	---	---	---	---	---	---	30 MPH, MOUNT TO UTILITY POLE
37	"	D7-53L	54" X 36"	13.50	---	---	---	1	---	1	1	SEE SIGN DETAILS
38	"	J4-1	---	---	---	---	---	---	---	1	1	
39A	"	W11-2	30" X 30"	---	---	6.25	---	1	---	---	---	
39B	"	W16-7L	24" X 12"	---	---	2.00	---	---	---	---	---	MOUNT BELOW SIGN 39A
39C	"	W11-2	30" X 30"	---	---	6.25	---	1	---	---	---	
39D	"	W16-7L	24" X 12"	---	---	2.00	---	---	---	---	---	MOUNT BELOW SIGN 39C
39	"	I3-1	36" X 24"	6.00	---	---	---	---	---	1	---	SEE SIGN DETAILS
40	"	I3-1	36" X 24"	6.00	---	---	---	---	---	---	---	SEE SIGN DETAILS, MOUNT TO BACK OF SIGN 39
41	"	R2-1	---	---	---	---	---	---	---	1	1	
42	"	R2-1	---	---	---	---	---	---	---	1	1	
43	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	30 MPH
44	PENINSULA STATE PARK ENTRANCE	J13-1	24" X 45"	7.50	---	---	---	1	---	1	1	SEE PLAN SHEET
45	"	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
46	STH 42, N. OF PENINSULA STATE PARK ENTRANCE	D7-53R	---	---	---	---	---	---	---	1	1	
47	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	---	30 MPH, MOUNT TO UTILITY POLE
48	"	R7-1L	---	---	---	---	---	---	---	1	1	
49	"	J1-1	24" X 39"	6.50	---	---	---	1	---	1	1	SEE PLAN SHEET
50	"	R2-1	---	---	---	---	---	---	---	---	---	
51	"	W1-3L	36" X 36"	---	---	9.00	---	1	---	1	1	
52	"	W13-1	24" X 24"	---	---	4.00	---	---	---	---	---	MOUNT BELOW SIGN 51
53	"	R2-1	---	---	---	---	---	---	---	1	1	
54	"	R7-1D	---	---	---	---	---	---	---	---	---	
55	"	R7-1D	---	---	---	---	---	---	---	1	1	
56	"	S1-1	36" X 36"	---	---	6.75	---	---	1	1	1	
57	"	S16-9P	30" X 18"	---	---	3.75	---	---	---	---	---	MOUNT BELOW SIGN 56
58	"	R2-6P	24" X 18"	3.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN 56A
59	"	R7-1D	---	---	---	---	---	---	---	---	---	
60	"	S4-51	24" X 48"	---	---	8.00	---	1	---	1	1	
61	"	D1-1	60" X 24"	10.00	---	---	1	---	---	1	1	SEE SIGN DETAILS
61A	"	R7-1D	---	---	---	---	---	---	---	---	---	
62	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	---	30 MPH
62A	"	S5-2	24" X 30"	5.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN 62
63	"	W11-2	---	---	---	---	---	---	---	1	1	
64	"	W57-51	---	---	---	---	---	---	---	---	---	
65	"	R7-1D	---	---	---	---	---	---	---	---	---	
66	"	J4-1	24" X 30"	5.00	---	---	---	1	---	1	1	SEE PLAN SHEET
67	"	R7-1D	---	---	---	---	---	---	---	---	---	
68	"	W1-6	48" X 24"	---	---	8.00	1	---	---	1	1	
69	"	J13-1	24" X 45"	7.50	---	---	---	1	---	1	1	SEE PLAN SHEET
70	"	J13-1	24" X 45"	7.50	---	---	---	1	---	1	1	SEE PLAN SHEET
	PAGE SUBTOTALS			102.68	0.00	72.50	4	13	1	22	21	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
71	CTH F	R1-1	36" X 36"	7.46	---	---	---	1	---	1	1	
72	"	R1-1	36" X 36"	7.46	---	---	---	1	---	1	1	
73	"	J13-1	24" X 45"	7.50	---	---	---	1	---	1	1	SEE PLAN SHEET
74	STH 42, N. OF CTH F	W1-6	---	---	---	---	---	---	---	1	1	
75	"	J4-1	24" X 60"	10.00	---	---	---	---	---	1	1	SEE PLAN SHEET
76	"	D1-1	60" X 24"	10.00	---	---	1	---	---	1	1	SEE SIGN DETAILS
77	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	30 MPH
78	"	R7-1D	---	---	---	---	---	---	---	---	---	
79	"	R4-7	24" X 30"	5.00	---	---	1	---	---	---	---	
80-81	VACANT	---	---	---	---	---	---	---	---	---	---	
82	STH 42, N. OF CTH F	S1-1	36" X 36"	---	---	6.75	---	---	1	---	---	
83	"	S16-7L	30" X 18"	---	---	3.75	---	---	---	---	---	MOUNT BELOW SIGN 82
84	"	S1-1	36" X 36"	---	---	6.75	---	---	1	---	---	
85	"	S16-7L	30" X 18"	---	---	3.75	---	---	---	---	---	MOUNT BELOW SIGN 84
86	VACANT	---	---	---	---	---	---	---	---	---	---	
87	VACANT	---	---	---	---	---	---	---	---	---	---	
88	STH 42, N. OF CTH F	R7-1D	---	---	---	---	---	---	---	1	1	
89	"	R4-7	24" X 30"	5.00	---	---	1	---	---	---	---	
90	"	R7-1D	---	---	---	---	---	---	---	1	1	
91	"	J1-1	24" X 39"	6.50	---	---	---	1	---	1	1	SEE PLAN SHEET
92	"	R7-1D	---	---	---	---	---	---	---	---	---	
93	"	W1-6	---	---	---	---	---	---	---	1	1	
93A	SIDE ROAD	W5-56	18" X 18"	---	2.25	---	---	---	---	---	---	
94	STH 42, N. OF CTH F	W11-2	---	---	---	---	---	---	---	1	1	
95	"	R7-1D	---	---	---	---	---	---	---	1	1	
96	"	W1-7	48" X 24"	---	---	8.00	1	---	---	1	1	
97	GIBRALTAR RD	R1-1	30" X 30"	5.18	---	---	---	1	---	1	1	
98	STH 42, N. OF GIBRALTAR RD	S4-51	---	---	---	---	---	---	---	1	1	
98A	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	30 MPH
99	"	R7-1D	---	---	---	---	---	---	---	1	1	
100	VACANT	---	---	---	---	---	---	---	---	---	---	
101	VACANT	---	---	---	---	---	---	---	---	---	---	
102	STH 42, N. OF GIBRALTAR RD	S1-1	36" X 36"	---	---	6.75	---	---	1	---	---	
103	"	S16-7L	30" X 18"	---	---	3.75	---	---	---	---	---	MOUNT BELOW SIGN 102
104	"	R4-7	24" X 30"	5.00	---	---	---	1	---	---	---	
	PAGE SUBTOTALS			79.10	2.25	39.50	6	6	3	17	17	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
105	VACANT	---	---	---	---	---	---	---	---	---	---	
106	VACANT	---	---	---	---	---	---	---	---	---	---	
107	STH 42, N. OF GIBRALTAR RD	S1-1	36" X 36"	---	---	6.75	---	---	1	---	---	
108	"	S16-7L	30" X 18"	---	---	3.75	---	---	---	---	---	MOUNT BELOW SIGN 107
109	"	W11-2	---	---	---	---	---	---	---	1	---	
110	"	W11-2	---	---	---	---	---	---	---	1	---	
111	"	W11-2	---	---	---	---	---	---	---	1	---	
112	"	W11-2	---	---	---	---	---	---	---	1	---	
113	"	I55-56	30" X 36"	7.50	---	---	---	1	---	1	1	DOOR COUNTY ART LEAGUE
114	"	R4-7	24" X 30"	5.00	---	---	1	---	---	---	---	
115	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	30 MPH
115A	"	S5-2	24" X 30"	5.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN 115
116	"	R2-1	---	---	---	---	---	---	---	1	1	
116A	"	W1-3L	36" X 36"	---	---	9.00	---	1	---	1	1	
116B	"	W13-1	24" X 24"	---	---	4.00	---	---	---	---	---	MOUNT BELOW SIGN 116A
117	"	W14-3	48" X 36"	---	---	6.00	---	1	---	1	1	
118A	"	S4-51	24" X 48"	---	---	8.00	---	1	---	---	---	
118	"	W1-3L	---	---	---	---	---	---	---	1	1	
119	"	W13-1	---	---	---	---	---	---	---	---	---	
120	"	W11-2	---	---	---	---	---	---	---	1	1	
120A	"	S1-1	36" X 36"	---	---	6.75	---	---	1	---	---	
120B	"	S16-9P	30" X 18"	---	---	3.75	---	---	---	---	---	MOUNT BELOW SIGN 120A
120C	"	R2-6P	24" X 18"	3.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN 120B
121	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	30 MPH
122	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
123	"	I2-3	72" X 24"	12.00	---	---	2	---	---	1	2	SEE SIGN DETAILS
124	"	W3-5	36" X 36"	---	---	9.00	---	1	---	1	1	30 MPH
125	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
126	"	W14-3	48" X 36"	---	---	6.00	---	1	---	1	1	
127	"	D7-51	---	---	---	---	---	---	---	1	2	
128	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
129	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	55 MPH
130	"	R7-1L	18" X 24"	3.00	---	---	1	---	---	1	1	
131	"	R7-1R	18" X 24"	3.00	---	---	1	---	---	1	1	
132	"	W3-5	36" X 36"	---	---	9.00	---	1	---	---	---	45 MPH
133	"	W14-3	48" X 36"	---	---	6.00	---	1	---	1	1	
134	"	R7-1D	18" X 24"	3.00	---	---	1	---	---	1	1	
135	"	R7-1D	18" X 24"	3.00	---	---	1	---	---	1	1	
136	"	W3-5	---	---	---	---	---	---	---	1	1	
137	"	R7-1D	18" X 24"	3.00	---	---	1	---	---	1	1	
138	"	R7-1D	18" X 24"	3.00	---	---	1	---	---	1	1	
139	"	R7-1D	18" X 24"	3.00	---	---	1	---	---	1	1	
140	"	R7-1D	18" X 24"	3.00	---	---	1	---	---	1	1	
	PAGE SUBTOTALS			86.50	0.00	78.00	17	8	2	30	28	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
141	STH 42, N. OF GIBRALTAR RD	R7-1R	18" X 24"	3.00	---	---	1	---	---	1	1	
142	"	R7-1L	18" X 24"	3.00	---	---	1	---	---	1	1	
143	"	W14-3	48" X 36"	---	---	6.00	---	1	---	1	1	
144	"	W14-3	48" X 36"	---	---	6.00	---	1	---	1	1	
145	"	W14-3	48" X 36"	---	---	6.00	---	1	---	1	1	
146	"	W54-54	30" X 30"	---	---	6.25	---	1	---	1	1	
147	"	W16-2A	---	---	---	---	---	---	---	---	---	
148	"	W3-5	36" X 36"	---	---	9.00	---	1	---	1	1	
149	"	W14-3	48" X 36"	---	---	6.00	---	1	---	---	---	
150	"	J1-1	24" X 39"	6.50	---	---	---	1	---	1	1	SEE PLAN SHEET
152	"	W54-54	30" X 30"	---	---	6.25	---	1	---	---	---	
153	"	D1-1	---	---	---	---	---	---	---	1	2	
154	"	W54-54	---	---	---	---	---	---	---	1	1	
155	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	55 MPH
156	"	J4-3	72" X 36"	18.00	---	---	---	2	---	---	---	SEE PLAN SHEET
157	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
158	"	R2-1	---	---	---	---	---	---	---	1	1	
159	"	J13-1	24" X 45"	7.50	---	---	---	1	---	1	1	SEE PLAN SHEET
160	"	W14-3	48" X 36"	---	---	6.00	---	1	---	1	1	
161	HIGHLAND RD	J13-1	24" X 45"	7.50	---	---	---	1	---	1	1	SEE PLAN SHEET
162	"	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
163	CTH A	R1-1	36" X 36"	7.46	---	---	---	1	---	1	1	
164	STH 42, N. OF CTH A	J4-2	48" X 36"	12.00	---	---	---	1	---	---	---	SEE PLAN SHEET
165	"	J13-1	24" X 45"	7.50	---	---	---	1	---	1	1	SEE PLAN SHEET
166	"	W1-4L	---	---	---	---	---	---	---	1	1	
167	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	45 MPH
168	"	J4-2	---	---	---	---	---	---	---	1	1	
169	"	W1-4L	30" X 30"	---	---	6.25	---	1	---	---	---	
170	"	D1-1	---	---	---	---	---	---	---	1	2	
171	"	I2-3	---	---	---	---	---	---	---	1	2	
172	"	I2-3	60" X 24"	10.00	---	---	2	---	---	---	---	SEE SIGN DETAILS
173	"	R2-1	---	---	---	---	---	---	---	1	1	
174	"	J1-1	24" X 39"	6.50	---	---	---	1	---	1	1	SEE PLAN SHEET
175	MAPLE GROVE RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
	PAGE SUBTOTALS			114.32	0.00	57.75	9	18	0	25	28	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
176	STH 42, N. OF MAPLE GROVE RD	I55-56	30" X 36"	7.50	---	---	---	1	---	1	1	DOOR COUNTY ART LEAGUE
177	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
178	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
179	"	W2-1	---	---	---	---	---	---	---	1	1	
180	"	W2-1	30" X 30"	---	---	6.25	---	1	---	---	---	
181	"	D2-2	102" X 24"	17.00	---	---	2	---	---	1	2	SEE SIGN DETAILS
182	SHORE RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
183	STH 42, N. OF SHORE RD	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	45 MPH
184	HOLAND RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
185	STH 42, N. OF HOLAND RD	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	45 MPH
186	"	D7-53R	54" X 36"	13.50	---	---	---	2	---	1	1	SEE SIGN DETAILS
187	"	R2-1	---	---	---	---	---	---	---	---	---	
188	"	W1-4L	30" X 30"	---	---	6.25	---	1	---	---	---	
189	"	W1-4L	---	---	---	---	---	---	---	1	1	
191	CRYSTAL SPRINGS RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
192	HOLAND RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
193	STH 42, N. OF HOLAND RD	W1-2R	30" X 30"	---	---	6.25	---	1	---	1	1	
194	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
194A	"	D7-57;M	---	---	---	---	---	---	---	1	2	
194B	"	D7-57;M	54" X 36"	13.50	---	13.50	---	2	---	---	---	1 MILE
195	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
196	"	W2-1	---	---	---	---	---	---	---	1	1	
197	"	W1-6	48" X 24"	---	---	8.00	1	---	---	1	1	
198	"	J4-2	48" X 36"	12.00	---	---	---	1	---	1	1	SEE PLAN SHEETS
199	"	W11-2	---	---	---	---	---	---	---	1	1	
200	"	W16-9P	---	---	---	---	---	---	---	---	---	
201	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
202	"	W5-52L	12" X 36"	---	---	3.00	---	---	---	---	---	
203	"	W5-52R	12" X 36"	---	---	3.00	---	---	---	---	---	
204	"	W5-52R	12" X 36"	---	---	3.00	---	---	---	---	---	
205	"	W5-52L	12" X 36"	---	---	3.00	---	---	---	---	---	
206	BROOKSIDE LN	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
207-222	VACANT	---	---	---	---	---	---	---	---	---	---	
	PAGE SUBTOTALS			124.40	0.00	52.25	15	9	0	21	23	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
223	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
224	"	J1-1	---	---	---	---	---	---	---	1	1	
225	CHERRY ST	W14-1	30" X 30"	---	---	6.25	1	---	---	1	1	
226	"	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
227	STH 42, N. OF CHERRY ST	J1-1	24" X 39"	6.50	---	---	---	1	---	---	---	SEE PLAN SHEETS
228	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	35 MPH
229	"	J4-3	72" X 36"	18.00	---	---	---	2	---	---	---	SEE PLAN SHEETS
230	"	R7-51L	18" X 24"	3.00	---	---	---	1	---	---	---	
231	"	J13-1	24" X 45"	7.50	---	---	---	1	---	---	---	SEE PLAN SHEETS
232	CTH Q	R1-1	36" X 36"	7.46	---	---	---	1	---	1	1	
233	STH 42, N. OF CTH Q	J4-2	48" X 36"	12.00	---	---	---	1	---	---	---	SEE PLAN SHEETS
234	"	R2-1	---	---	---	---	---	---	---	1	1	
235	"	J13-1	---	---	---	---	---	---	---	1	1	
236	"	J13-1	24" X 45"	7.50	---	---	---	1	---	---	---	SEE PLAN SHEETS
237	"	J13-1	24" X 45"	7.50	---	---	---	1	---	---	---	SEE PLAN SHEETS
238	"	D1-1	---	---	---	---	---	---	---	1	2	
239	"	R2-1	---	---	---	---	---	---	---	---	---	
240	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	35 MPH
241	"	R2-1	---	---	---	---	---	---	---	1	1	
242	CEDAR ST	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
243	STH 42, N. OF CEDAR ST	J1-1	24" X 39"	6.50	---	---	---	1	---	1	1	SEE PLAN SHEETS
244	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	35 MPH
245	"	D7-59L	54" X 36"	13.50	---	---	---	1	---	1	1	
PAGE SUBTOTALS				119.82	0.00	6.25	7	11	0	12	13	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
246	SPRUCE ST	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
247	STH 42, N. OF SPRUCE ST	D7-59R	54" X 36"	13.50	---	---	---	1	---	---	---	
248	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
249	ANDERSON LN	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
250	STH 42, N. OF ANDERSON LN	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
251	"	W11-2	30" X 30"	---	---	6.25	---	1	---	1	1	
251A	"	W16-9P	24" X 8"	---	---	1.33	---	---	---	---	---	MOUNT BELOW SIGN 251
252	"	I55-56	30" X 36"	7.50	---	---	---	1	---	1	1	VILLAGERS SNOWMOBILE CLUB
253	"	W2-2	30" X 30"	---	---	6.25	1	---	---	1	1	
254	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
255	MORAVIA ST	R3-1	24" X 24"	4.00	---	---	1	---	---	1	1	
256	"	W1-6	48" X 24"	---	---	8.00	---	---	---	---	---	MOUNT TO BACK OF SIGN 255
257	"	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
258	"	R3-2	24" X 24"	4.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN 257
259	STH 42, N. OF MORAVIA	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
260	"	M1-85	---	---	---	---	---	---	---	1	1	
261	"	J3-1	---	---	---	---	---	---	---	1	1	
262	"	S3-1	36" X 36"	---	---	9.00	1	---	---	1	1	
263	MEADOW LN	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
264	STH 42, N. OF MEADOW LN	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
265	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
266	SHORE RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
266A	AMUNDSON RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
267	"	W1-6	48" X 24"	---	---	8.00	1	---	---	1	1	
268	STH 42, N. OF AMUNDSON RD	W2-1	30" X 30"	---	---	6.25	1	---	---	1	1	
269	BRODD LN	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
270	STH 42, N. OF BRODD LN	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
271	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
272	"	W1-6	48" X 24"	---	---	8.00	1	---	---	1	1	
273	"	D7-57;M	54" X 36"	13.50	---	13.50	---	2	---	1	2	1 MILE
274	CORAL HILL RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
274A	"	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
275	STH 42, N. OF CORAL HILL RD	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
276	"	S3-1	36" X 36"	---	---	9.00	1	---	---	1	1	
277	"	W1-2L	---	---	---	---	---	---	---	1	1	
278	"	W1-2L	30" X 30"	---	---	6.25	1	---	---	1	1	
279	"	W2-1	30" X 30"	---	---	6.25	1	---	---	---	---	
280	"	R2-1	---	---	---	---	---	---	---	1	1	
	PAGE SUBTOTALS			134.12	0.00	88.08	27	5	0	33	34	

3

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
281	STH 42, N. OF CORAL HILL RD	W1-2L	30" X 30"	---	---	6.25	1	---	---	---	---	
282	"	W2-1	---	---	---	---	---	---	---	1	1	
283	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	35 MPH
283A	"	W2-1	---	---	---	---	---	---	---	1	1	
284	"	W2-1	30" X 30"	---	---	6.25	1	---	---	---	---	
285	"	J4-2	---	---	---	---	---	---	---	1	1	
286	"	W1-6	48" X 24"	---	---	8.00	1	---	---	1	1	
287	ORCHARD ST	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
288	"	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
289	STH 42, N. OF ORCHARD ST	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
290	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
291	"	S3-1	36" X 36"	---	---	9.00	1	---	---	1	1	
292	"	W2-1	30" X 30"	---	---	6.25	1	---	---	1	1	
293	"	W1-2R	30" X 30"	---	---	6.25	1	---	---	1	1	
294	"	W1-6	48" X 24"	---	---	8.00	1	---	---	1	1	
295	"	W1-7	---	---	---	---	---	---	---	1	1	
296	BELLA VISTA LN	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
297	STH 42, N. OF BELLA VISTA	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
298	"	W1-2R	---	---	---	---	---	---	---	1	1	
299	"	J4-2	---	---	---	---	---	---	---	1	1	
300	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
301	"	W14-3	48" X 36"	---	---	6.00	---	1	---	1	1	
302	"	W1-2R	30" X 30"	---	---	6.25	1	---	---	---	---	
303	SHANNON SQUARE	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
304	STH 42, N. OF SHANNON SQUARE	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
305	"	W2-1	30" X 30"	---	---	6.25	1	---	---	---	---	
306	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
307	TOWNLINE DR	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
308	"	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
310	"	I2-3	60" X 24"	10.00	---	---	2	---	---	1	2	SEE SIGN DETAILS
311	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
312	"	W1-2L	30" X 30"	---	---	6.25	1	---	---	---	---	
313	"	W1-2L	---	---	---	---	---	---	---	1	1	
314	"	W2-1	30" X 30"	---	---	6.25	1	---	---	---	---	
315	"	R2-1	---	---	---	---	---	---	---	1	1	
	PAGE SUBTOTALS			81.08	0.00	81.00	27	1	0	28	29	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2220 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
316	STH 42, N. OF TOWNLINE DR	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	45 MPH
317	"	W2-1	---	---	---	---	---	---	---	1	1	
318	LITTLE SISTER HILL RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
319	"	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
320	STH 42, N. OF LITTLE SISTER HILL RD	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	45 MPH
321	"	W14-3	48" X 36"	---	---	6.00	---	---	---	---	---	MOUNT OT BACK OF SIGN 320
321A	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	45 MPH
322	"	I2-3	66" X 24"	11.00	---	---	2	---	---	1	2	SEE SIGN DETAILS
322A	"	W3-5	36" X 36"	---	---	9.00	1	---	---	---	---	35 MPH
323	LITTLE SISTER RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
324	COUNTRY LN	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
325	STH 42, N. OF COUNTRY LN	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
326	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	45 MPH
327	"	R2-1	---	---	---	---	---	---	---	1	1	
328	WESTWOOD DR	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
329	STH 42, N. OF WESTWOOD DR	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
330	"	R2-1	24" X 30"	5.00	---	---	1	---	---	---	---	35 MPH
331	"	W14-3	48" X 36"	---	---	6.00	---	---	---	1	1	
332	"	M1-93	---	---	---	---	---	---	---	---	---	
333	"	W1-2R	30" X 30"	---	---	6.25	1	---	---	1	1	
334	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
335	FOREST LN	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
336	MEADOW LN	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
337	ST H42, N. OF MEADOW LN	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
338	"	W1-6	48" X 24"	---	---	8.00	1	---	---	1	1	
339	"	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
340	"	D7-57	54" X 36"	13.50	---	---	---	2	---	1	1	
341	"	W1-2L	30" X 30"	---	---	6.25	1	---	---	1	1	
342	"	I55-56	30" X 36"	7.50	---	---	---	1	---	1	1	VILLAGERS SNOWMOBILE CLUB
343	FIELDCREST RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
344	STH 42, AT HIGHLAND RD	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
345	HIGHLAND RD	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
346	"	R1-1	30" X 30"	5.18	---	---	1	---	---	1	1	
347	STH 42, N. OF HIGHLAND RD	R2-1	24" X 30"	5.00	---	---	1	---	---	1	1	35 MPH
348	"	W1-1L	30" X 30"	---	---	6.25	1	---	---	1	1	
349	"	W14-3	48" X 36"	---	---	6.00	---	---	---	---	---	MOUNT OT BACK OF SIGN 349
350	"		X	0.00	---	0.00	---	---	---	---	---	
	PAGE SUBTOTALS			143.80	0.00	53.75	29	3	0	28	29	
	PROJECT TOTALS			**1137.46**	**2.25**	**597.25**	**150**	**87**	**7**	**231**	**235**	

3

MOVING SIGNS TYPE II

CATEGORY	STATION	LOCATION	638.2102 EACH
0060	0+19	CTH F	1
0060	0+08	SPRING RD	1
		SUBTOTAL 0060	2
		TOTAL	2

PEDESTRAIN ACCOMODATIONS

CATG.	STATION TO STATION	LOCATION	616.0700.S FENCE SAFTETY LF	644.1410.S TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1430.S TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601.S TEMPORARY CURB RAMP EACH	644.1616.S TEMPORARY PEDESTRIAN SAFTY FENCE LF	REMARKS
0010	107+65	STH 42 LT	---	---	225	---	35	TEMP SIDEWALK FOR SS OUTFALL REMOVAL
0010	138+72 - 142+89	STH 42 LT	403	---	---	---	---	WHEN EXISTING FENCE IS REMOVED
0010	143+00	STH 42 LT	---	415	---	1	100	STAGE 2, TEMPORARY PATH
0010	144+95 - 148+19	STH 42 LT	---	---	---	---	295	ALONG GIBRALTAR SCHOOL AUDITORIUM DWY
0010	148+73 - 151+12	STH 42 LT	268	---	---	---	---	
0010	151+61 - 152+10	STH 42 LT	68	---	---	---	---	
0010	152+03 - 156+45	STH 42 LT	---	---	---	---	2,560	ALONG EXISTING PATH
0010	UNDISTRIBUTED		---	250	250	8	50	CURB RAMP REPLACEMENTS
		SUBTOTAL 0010	739	665	475	9	3,040	
		TOTAL	739	665	475	9	3,040	

3

TRAFFIC CONTROL SUMMARY

CATEGORY	STATION	TO	STATION	LOCATION	ESTIAMTED DAYS	643.0300 DRUMS DAY	643.0310.S TEMPORARY PORTABLE RUMBLE STRIPS LS	643.0410 BARRICADES TYPE II DAY	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A DAY	643.0900 SIGNS DAY	643.0920 COVERING SIGNS TYPE II DAY	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PCMS DAY	643.5000 TRAFFIC CONTROL EACH	REMARKS
0010		DETOUR		STAGE 1	93	---	---	---	279	558	8,835	1	48	14	---	
0010	96+50	-	159+00	STAGE 1	93	9,300	---	1,395	3,255	3,813	6,045	---	---	---	---	
0010		DETOUR		STAGE 2	27	---	---	---	27	54	1,296	---	18	---	---	
0010	127+00		159+00	STAGE 2	27	2,025	---	---	351	513	621	---	---	---	---	
0010	159+00	-	531+27	MILLING	14	---	---	---	---	---	168	---	---	---	---	
0010	159+00	-	531+27	PAVING	31	---	---	---	---	---	372	---	---	---	---	
0010	159+00		531+27	SHOULDERING	10	---	---	---	---	---	120	---	---	---	---	
0010	422+00	-	460+00	SHLDR WIDENING	7	280	---	---	---	---	42	---	---	---	---	
0010	474+00	-	486+00	MGS	7	210	---	---	---	---	42	---	---	---	---	
0010		UNDISTRIBUTED		THROUGHOUT PROJECT		500	1	75	200	250	500	---	---	14	1	PCMS FOR FALL START UP
				SUBTOTAL 0010		12,315	1	1,470	4,112	5,188	18,041	1	66	28	1	
				TOTAL		12,315	1	1,470	4,112	5,188	18,041	1	66	28	1	

TRAFFIC CONTROL DETAILED INFORMATION LOCATED ELSEWHERE IN MISCELLANEOUS QUANTITIES

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGE 1

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 93 DAYS	643.0900* SIGNS DAYS	643.0420* BARRICADES TYPE III DAYS	643.0705* WARNING LIGHTS TYPE A DAYS	643.1000* SIGNS FIXED MESSAGE SF	643.1050* SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920* COVERING SIGNS TYPE II EACH	REMARKS
1	STH 42, N. OF CTH A, PLACE 2000' N. OF CTH A INTERSECTION	W 20-2A	48"X48"	1	93	93							
2	STH 42, N. OF CTH A, PLACE 1000' N. OF CTH A INTERSECTION	FMS	72"X36"	1	93				18				SEE PLAN SHEET FOR DETAIL
3	STH 42, N. OF CTH A, PLACE 500' N. OF CTH A INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 5-1L	21"X21"	1	93	93							
4	STH 42, N. OF CTH A, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH A INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							LEFT
5	STH 42, AT CTH A, MODIFY EXISTING J13-1 SIGN AS SHOWN	MO 6-1	21"X21"	1	93	93							RIGHT
6	STH 42, AT CTH A, PLACE ON RIGHT SHOULDER IN NW QUADRANT OF INTERSECTION	R 11-3	60"X30"	1	93	93	93	186					1 3/4 MILES AHEAD
	"	M 4-9L	30"X24"	1	93	93							
7	CTH A, S. OF STH 42, PLACE 250' S. OF STH 42 INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							
8	CTH A, S. OF STH 42, MODIFY EXISTING J4-1 SIGN AS SHOWN	M 4-8A	24"X18"	1	93	93							
9	STH 42, N. OF GIBRALTAR RD, PLACE ON RIGHT SHOULDER, FIELD DETERMINED	PCMS		1						7			PLACE 7 DAYS IN ADVANCE OF CLOSURE
10	STH 42, S. OF SHORE RD, PLACE ON RIGHT SHOULDER/PARKING LANE, FIELD DETERMINED	PCMS		1						7			PLACE 7 DAYS IN ADVANCE OF CLOSURE
11	CTH A, N. OF CTH F, PLACE 200' N. OF CTH F INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
12	CTH A, S. OF CTH F, PLACE 200' S. OF CTH F INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
13	CTH A, N. OF PENINSULA PLAYERS RD, PLACE 200' N. OF PENINSULA PLAYERS RD INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
14	CTH A, S. OF PENINSULA PLAYERS RD, PLACE 200' S. OF PENINSULA PLAYERS RD INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
15	CTH A, N. OF CTH EE, PLACE 200' N. OF CTH EE INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
16	CTH A, S. OF CTH EE, PLACE 200' S. OF CTH EE INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
*QUANTITY REFERENCED IN TRAFFIC CONTROL SUMMARY		PAGE SUBTOTALS		43		3,720	93	186	18	14		0	

3

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGE 1

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 93 DAYS	643.0900* SIGNS DAYS	643.0420* BARRICADES TYPE III DAYS	643.0705* WARNING LIGHTS TYPE A DAYS	643.1000* SIGNS FIXED MESSAGE SF	643.1050* SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920* COVERING SIGNS TYPE II EACH	REMARKS
17	CTH A, N. OF CTH E, PLACE 750' N. OF CTH E INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 5-1R	21"X21"	1	93	93							
18	CTH A, N. OF CTH E, PLACE 150' N. OF CTH E INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
19	CTH A, AT CTH E, PLACE RIGHT OF EXISTING J13-2 SIGN AT CTH E INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							RIGHT
20	CTH E, W. OF CTH A, PLACE 150' W. OF CTH A INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
21	CTH E, AT CTH A, PLACE RIGHT OF EXISTING J13-2 SIGN AT CTH A INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							LEFT
22	CTH E, W. OF CTH A, PLACE 750' W. OF CTH A INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 5-1L	21"X21"	1	93	93							
23	CTH E, E. OF MEMORIAL DR, PLACE 100' E. OF MEMORIAL DR	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
24	CTH E, W. OF MEMORIAL DR, PLACE 100' W. OF MEMORIAL DR	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
25	CTH E, E. OF HERTAGE LAKE DR, PLACE 100' E. OF HERTAGE LAKE DR	MO 4-8	24"X12"	1	93	93							
	"	M 3-3	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
26	CTH E, W. OF HERTAGE LAKE DR, PLACE 100' W. OF HERTAGE LAKE DR	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							AHEAD
27	STH 42, AT CTH EE, PLACE ON RIGHT SHOULDER IN NE QUADRANT OF INTERSECTION	R 11-3	60"X30"	1	93	93	93	186					4 1/2 MILES AHEAD
28	CTH E, E. OF STH 42, MODIFY EXISTING J1-1 SIGN AS SHOWN	M 4-8A	24"X18"	1	93	93							
29	CTH E, E. OF STH 42, PLACE 250' E. OF STH 42 INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
*QUANTITY REFERENCED IN TRAFFIC CONTROL SUMMARY		PAGE SUBTOTALS		43		3,999	93	186	0	0		0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGE 1

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 93 DAYS	643.0900* SIGNS DAYS	643.0420* BARRICADES TYPE III DAYS	643.0705* WARNING LIGHTS TYPE A DAYS	643.1000* SIGNS FIXED MESSAGE SF	643.1050* SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920* COVERING SIGNS TYPE II EACH	REMARKS
30	STH 42, N. OF CTH E, COVER EXISTING J4-2 SIGN AS SHOWN										1	1	COVER ENTIRE SIGN
31	STH 42, AT CTH E, PLACE ON RIGHT SHOULDER IN NE QUADRANT AT CTH E INTERSECTION	R 11-3	60"X30"	1	93	93	93	186					6 MILES AHEAD
	"	M 4-9R	30"X24"	1	93	93							
32	STH 42, AT CTH E, MODIFY EXISTING J13-1 SIGN AS SHOWN	MO 6-1	21"X21"	1	93	93							LEFT
33	STH 42, AT CTH E, PLACE LEFT OF EXISTING J13-1 SIGN	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 6-1	21"X21"	1	93	93							RIGHT
34	STH 42, S. OF CTH E, PLACE 500' S. OF CTH E INTERSECTION	MO 4-8	24"X12"	1	93	93							
	"	M 3-1	24"X12"	1	93	93							
	"	M 1-6	24"X24"	1	93	93							42
	"	MO 5-1R	21"X21"	1	93	93							
35	STH 42, S. OF CTH E, PLACE 1000' S. OF CTH E INTERSECTION	FMS	60"X36"	1					15				SEE PLAN SHEET FOR DETAIL
36	STH 42, S. OF CTH E, PLACE 1750' S. OF CTH E INTERSECTION	FMS	60"X36"	1					15				SEE PLAN SHEET FOR DETAIL
37	STH 42, S. OF CTH E, PLACE 1/2 MILE S. OF CTH E INTERSECTION	W 20-2A	48"X48"	1	93	93							
*QUANTITY REFERENCED IN TRAFFIC CONTROL SUMMARY		PAGE SUBTOTALS		14		1,116	93	186	30	0		1	
		STAGE 1 DETOUR TOTALS		**100**		**8,835***	**279***	**558***	**48***	**14***		**1***	

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STAGE 2

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 27 DAYS	643.0900* SIGNS DAYS	643.0420* BARRICADES TYPE III DAYS	643.0705* WARNING LIGHTS TYPE A DAYS	643.1000* SIGNS FIXED MESSAGE SF	643.1050* SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920* COVERING SIGNS TYPE II EACH	REMARKS
1	STH 42, N. OF CTH A, PLACE 2000' N. OF CTH A INTERSECTION	W 20-2A	48"x48"	1	27	27							
2	STH 42, N. OF CTH A, PLACE 1000' N. OF CTH A INTERSECTION	FMS	72"x36"	1	27				18				SEE PLAN SHEET FOR DETAIL
3	STH 42, N. OF CTH A, PLACE 500' N. OF CTH A INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-3	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
	"	MO 5-1L	21"X21"	1	27	27							
4	STH 42, N. OF CTH A, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH A INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-3	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
	"	MO 6-1	21"X21"	1	27	27							LEFT
5	STH 42, AT CTH A, MODIFY EXISTING J13-1 SIGN AS SHOWN	MO 6-1	21"X21"	1	27	27							RIGHT
6	STH 42, AT CTH A, PLACE ON RIGHT SHOULDER IN NW QUADRANT OF INTERSECTION	R 11-3	60"X30"	1	27	27	27	54					1 3/4 MILES AHEAD
	"	M 4-9L	30"X24"	1	27	27							
7	CTH A, S. OF STH 42, PLACE 250' S. OF STH 42 INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-3	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
8	CTH A, S. OF STH 42, MODIFY EXISTING J4-1 SIGN AS SHOWN	M 4-8A	24"X18"	1	27	27							
9	CTH A, N. OF CTH F, PLACE 750' N. OF CTH F INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-3	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
	"	MO 5-1R	21"X21"	1	27	27							
10	CTH A, N. OF CTH F, PLACE 250' N. OF CTH F INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-1	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
11	CTH A, N. OF CTH F, PLACE 200' N. OF CTH F INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-3	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
	"	MO 6-1	21"X21"	1	27	27							AHEAD
12	CTH F, W. OF CTH A, PLACE 200' W. OF CTH A INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-1	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
	"	MO 6-1	21"X21"	1	27	27							LEFT
13	CTH F, W. OF CTH A, PLACE 750' W. OF CTH A INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-1	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
	"	MO 5-1L	21"X21"	1	27	27							
14	CTH F, E. OF SPRING RD, PLACE 100' E. OF SPRING RD INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-1	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
15	STH 42, AT CTH F, PLACE IN ROADWAY ON NORTH LEG OF CTH F INTERSECTION	R 11-2	48"x30"	1	27	27							
16	STH 42, S. OF CTH F, PLACE RIGHT OF EXISTING J13-1 SIGN	MO 4-8	24"X12"	1	27	27							
	"	M 3-1	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
	"	MO 6-2	21"X21"	1	27	27							TILT RIGHT
17	STH 42, S. OF CTH F, PLACE 750' S. OF CTH F INTERSECTION	MO 4-8	24"X12"	1	27	27							
	"	M 3-1	24"X12"	1	27	27							
	"	M 1-6	24"X24"	1	27	27							42
	"	MO 5-2R	21"X21"	1	27	27							
18	STH 42, S. OF CTH F, PLACE 1/2 MILE S. OF CTH F INTERSECTION	W 20-2A	48"X48"	1	27	27							
*QUANTITY REFERENCED IN TRAFFIC CONTROL SUMMARY		STAGE 2 DETOUR TOTALS		49		1,296	27	54	18	0		0	
		STAGE 2 DETOUR TOTALS		**49**		**1,296***	**27***	**54***	**18***	**0***		**0***	

PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF YELLOW	646.1020 MARKING LINE EPOXY 4-INCH LF WHITE	646.2304.S* GROOVED WET REFLECTIVE EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSV. LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	649.0105 TEMP. MARKING LINE PAINT 4-INCH EACH	649.0120 TEMP. MARKING LINE EPOXY 4-INCH EACH	REMARKS
0010	96+50	-	99+56	STH 42	---	---	---	70	612	2	1	20	---	---	491	---	612	---	NO PASSING
0010	100+00			MAIN & SPRUCE ST	---	---	---	---	---	---	---	34	---	364	255	---	---	---	
0010	100+43	-	102+92	STH 42	---	---	---	---	500	---	---	---	---	79	83	---	500	---	NO PASSING
0010	102+92	-	113+00	STH 42	---	---	---	---	2,016	---	---	20	---	252	542	---	2,016	---	NO PASSING
0010	113+00	-	126+50	STH 42	---	---	---	---	2,700	---	---	---	---	248	623	---	2,700	---	NO PASSING
0010	126+50	-	134+35	STH 42	1,570	---	---	---	---	---	---	24	---	192	396	---	1,570	---	NO PASSING
0010	134+35	-	144+00	STH 42	1,930	1,790	---	---	---	---	---	---	142	---	25	---	1,930	---	
0010	144+00	-	153+00	STH 42	2,532	1,664	---	174	---	2	1	33	160	197	40	4	2,532	---	
0010	153+00	-	160+00	STH 42	2,080	1,207	---	---	---	---	---	21	75	178	20	2	2,080	---	
0010	160+00	-	182+30	STH 42	---	1,600	2,860	---	563	---	---	---	---	---	---	---	1,126	---	PASSING ZONE
0010	182+30	-	188+28	STH 42	---	---	1,196	---	748	---	---	---	---	---	---	---	1,496	---	CENTERLINE SKIPS AND SOLID
0010	188+28	-	190+03	STH 42	---	---	350	---	50	---	---	---	---	---	---	---	100	---	PASSING ZONE
0010	190+03	-	196+64	STH 42	---	---	1,322	---	836	---	---	---	---	---	---	---	1,672	836	CENTERLINE SKIPS AND SOLID
0010	196+64	-	212+59	STH 42	---	---	3,190	---	400	---	---	---	---	---	---	---	800	400	PASSING ZONE
0010	212+59	-	219+94	STH 42	---	---	1,470	---	923	---	---	---	---	---	---	---	1,845	---	CENTERLINE SKIPS AND SOLID
0010	219+94	-	220+97	STH 42	---	---	206	---	38	---	---	---	---	---	---	---	75	---	PASSING ZONE
0010	220+97	-	226+61	STH 42	---	---	1,128	---	714	---	---	---	---	---	---	---	1,428	---	CENTERLINE SKIPS AND SOLID
0010	226+61	-	229+26	STH 42	---	---	530	---	530	---	---	---	---	---	---	---	1,060	---	NO PASSING
0010	229+26	-	235+49	STH 42	---	---	1,246	---	786	---	---	---	---	---	---	---	1,571	---	CENTERLINE SKIPS AND SOLID
0010	235+49	-	244+88	STH 42	---	---	1,878	---	1,177	---	---	---	---	---	---	---	2,353	---	CENTERLINE SKIPS AND SOLID
0010	244+88	-	254+95	STH 42	---	---	2,014	---	263	---	---	---	---	---	---	---	525	---	PASSING ZONE
0010	254+95	-	263+81	STH 42	---	---	1,772	---	1,111	---	---	---	---	---	---	---	2,222	---	CENTERLINE SKIPS AND SOLID
0010	263+81	-	317+25	STH 42	---	3,450	7,238	---	10,688	---	---	---	---	---	---	---	19,126	---	NO PASSING
0010	306+83	-	307+50	STH 42	---	---	---	---	---	---	---	30	---	130	---	---	---	---	BROOKSIDE LANE, SIDE ROAD CROSSING
0010	307+50	-	307+58	STH 42	---	---	---	---	---	---	---	---	---	80	---	---	---	---	STH 42 CROSSING EAST OF BROOKSIDE LN
0010	333+22	-	333+30	STH 42	---	---	---	---	---	---	---	---	---	72	---	---	---	---	STH 42 CROSSING SOUTH OF GERMAN RD
0010	342+25	-	427+27	STH 42	---	12,150	4,854	---	17,004	---	---	---	---	---	---	---	25,658	---	NO PASSING
0010	345+91	-	345+99	STH 42	---	---	---	---	---	---	---	---	---	86	---	---	---	---	STH 42 CROSSING TO MONUMENT
0010	360+48	-	360+56	STH 42	---	---	---	---	---	---	---	---	---	104	---	---	---	---	STH 42 CROSSING TO TOURIST CENTER
0010	371+34	-	371+38	STH 42	---	---	---	---	---	---	---	---	---	90	---	---	---	---	STH 42 CROSSING S. SIDE ANDERSON LN
0010	427+27	-	433+96	STH 42	---	---	1,338	---	844	---	---	---	---	---	---	---	1,688	---	CENTERLINE SKIPS AND SOLID
0010	427+93	-	428+01	STH 42	---	---	---	---	---	---	---	---	---	68	---	---	---	---	STH 42 CROSSING
0010	455+01	-	455+09	STH 42	---	---	---	---	---	---	---	---	---	90	---	---	---	---	STH 42 CROSSING
0010	433+96	-	452+48	STH 42	---	---	3,704	---	475	---	---	---	---	---	---	---	950	---	PASSING ZONE
0010	452+48	-	458+99	STH 42	---	---	1,302	---	826	---	---	---	---	---	---	---	1,652	---	CENTERLINE SKIPS AND SOLID
0010	458+99	-	471+11	STH 42	---	---	2,424	---	2,424	---	---	---	---	---	---	---	4,848	---	NO PASSING
0010	471+11	-	479+14	STH 42	---	---	1,606	---	1,016	---	---	---	---	---	---	---	2,031	---	CENTERLINE SKIPS AND SOLID
0010	479+14	-	501+31	STH 42	---	2,662	1,772	---	563	---	---	---	---	---	---	---	1,125	---	PASSING ZONE
0010	501+31	-	510+16	STH 42	---	1,770	---	---	1,110	---	---	---	---	---	---	---	2,220	---	CENTERLINE SKIPS AND SOLID
0010	510+16	-	520+16	STH 42	---	2,000	---	---	2,000	---	---	---	---	---	---	---	4,000	---	CENTERLINE DOUBLE SOLID
0010	520+16	-	527+62	STH 42	---	1,492	---	---	934	---	---	---	---	---	---	---	1,867	---	CENTERLINE SKIPS AND SOLID
0010	527+62	-	531+27	STH 42	---	730	---	---	100	---	---	---	---	---	---	---	125	---	PASSING ZONE
				SUBTOTAL 0010	8,112	30,515	43,400	244	51,947	4	2	182	377	2,230	2,475	6	95,503	1,236	
0060	1,038	-	1,556	SHORE RD	---	---	---	180	1,026	2	---	---	---	---	---	---	---	---	NO PASSING
				SUBTOTAL 0060	---	---	---	180	1,026	2	---	---	---	---	---	---	---	---	
				TOTALS	8,112	30,515	43,400	424	52,973	6	2	182	377	2,230	2,475	6	95,503	1,236	

*USE GROOVED WET REFLICTIVE EPOXY 4-INCH EDGELINE WHERE POSTED SPEEDS EXCEEDS 40 MPH

LOCATING NO PASSING ZONES

CATEGORY	STATION	TO	STATION	LOCATION	648.0100 MI	REMARKS
0010	154+72	-	324+11	STH 42	3.21	NO PASSING 96+50-160+00
0010	394+72	-	536+55	STH 42	2.69	NO PASSING 300+00-400+00
				SUBTOTAL 0010	5.89	
				TOTAL	5.89	

55 MPH SPOTTING SIGHT DISTANCE = 0.21

MARKING PARKING STALLS EPOXY

CATEGORY	STATION	TO	STATION	LOCATION	646.8320 LF	REMARKS
0060	100+00	-	103+00	STH 42	460	
0060	103+00	-	112+00	STH 42	1,465	
0060	105+48	-	105+83	STH 42 RT	42	WHITE DIAGONALS AT 6' SPACING
0060	112+00	-	123+00	STH 42	1,590	
0060	123+00	-	134+40	STH 42	1,750	
				SUBTOTAL 0060	5,307	
0070	343+56	-	345+76	STH 42 LT	359	
0070	346+15	-	347+50	STH 42 LT	216	
0070	348+71	-	356+38	STH 42 LT	807	
				SUBTOTAL 0070	1,382	
				TOTAL	6,689	

CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB & GUTTER LF	650.8000 RESURFACING REFERENCE LF	650.8500 ELECTRICAL INSTALLATIONS (PROJECT) LS	650.9000 CURB RAMPS EACH	650.9910 SUPPLEMENTAL CONTROL (PROJECT) LS	650.9920 SLOPE STAKES EACH	REMARKS
0010	96+50	-	531+27	STH 42	---	---	---	43,477	---	---	1	---	
0010	96+50		134+35	STH 42	1,610	1,610	533	---	---	---	---	---	MISC SPOT REPAIRS
0010	108+72		109+81	STH 42	110	110	110	---	---	---	---	110	GIBRALTAR BEACH DRIVEWAY OPENING
0010	126+77		134+35	STH 42	758	758	---	---	---	---	---	758	RECORD EXISTING RDWY SLOPES/BREAKPOINTS. STAKE IN KIND
0010	134+35	-	158+55	STH 42	2,420	2,420	4,711	---	---	---	---	2,420	
0010	425+50	-	426+31	STH 42	81	81	---	---	---	---	---	81	
0010	441+54	-	459+20	STH 42	1,766	1,766	---	---	---	---	---	1,766	
0010	474+00	-	486+00	STH 42	1,200	1,200	---	---	---	---	---	1,200	
0010	48+25		50+00	MAIN ST	---	---	---	175	---	---	---	---	
0010	25+00		28+57	SPRUCE ST	---	---	---	357	---	---	---	---	
0010	10+00		10+71	GIBRALTAR BEACH PARKING AREA	71	71	---	---	---	---	---	71	
0010	10+00	-	11+28	CTH F	128	128	---	---	---	---	---	128	
0010	10+00		11+50	TEMPORARY DRIVEWAY FISH CRK GRILL	150	150	---	---	---	---	---	150	
0010	10+00		11+00	GIBRALTAR SCHOOL NORTH DWY	47	47	68	---	---	2	---	47	
0010	0+17		0+82	GIBRALTAR SCHOOL PATH NORTH	80	80	---	---	---	---	---	80	
0010	10+00	-	11+00	GIBRALTAR RD	100	100	23	100	---	---	---	100	
0010	96+50			STH 42/BLUFF LANE	---	---	35	---	---	1	---	---	
0010	100+00			STH 42/MAIN STREET/SPRUCE STREET	90	90	196	---	---	5	---	---	
0010	103+00			STH 42/PINE STREET	---	---	87	---	---	3	---	---	
0010	107+90			STH 42 MID-BLOCK CROSSING	---	---	51	---	---	2	---	---	
0010	112+75			STH 42 MID-BLOCK CROSSING	---	---	50	---	---	2	---	---	
0010	117+50			STH 42 MID-BLOCK CROSSING	---	---	41	---	---	2	---	---	
0010	123+00			STH 42 MID-BLOCK CROSSING	---	---	208	---	---	2	---	---	
0010	126+50			STH 42/SHORE ROAD	---	---	91	---	---	4	---	---	
0010	130+50			STH 42 MID-BLOCK CROSSING	---	---	39	---	---	2	---	---	
0010	144+25			STH 42/CTH F	---	---	---	---	---	2	---	---	
0010	147+65			STH 42 MID-BLOCK CROSSING	---	---	---	---	---	4	---	---	
0010	151+00			DRIVEWAY LT	---	---	---	---	---	2	---	---	
0010	153+75			STH 42/GIBRALTAR ROAD	---	---	---	---	---	2	---	---	
0010	156+75			STH 42 MID-BLOCK CROSSING	---	---	---	---	---	4	---	---	
				SUBTOTAL 0010	8,611	8,611	6,243	44,109	---	39	1	6,911	
0050	96+50	-	158+55	STH 42, SHORE RD, EVERGREEN RD	---	---	---	---	1	---	---	---	
				SUBTOTAL 0050	---	---	---	---	1	---	---	---	
0060	10+00	-	15+56	SHORE RD	556	556	473	---	---	---	---	556	
0060	0+00	-	2+24	CTH F SIDEWALK	224	224	---	---	---	1	---	224	
0060	0+00		1+05	SPRING RD SIDEWALK	105	105	---	---	---	---	---	105	
				SUBTOTAL 0060	885	885	473	---	---	1	---	885	
				TOTAL	9,496	9,496	6,716	44,109	1	40	1	7,796	

ASTHETICS

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0105.01 RETAINING WALL PLANTING AREA LS	SPV.0105.02 SPLITTER ISLAND PLANTING AREA LS	SPV.0165.02 CROSSWALK APRON PAVERS SF
0060	134+91	-	136+82	STH 42 LT	1	---	---
0060	147+35	-	148+03	STH 42	---	0.5	60
0060	156+31	-	156+98	STH 42	---	0.5	100
				SUBTOTAL 0060	1	1	160
				TOTAL	1	1	160

CONCRETE COLD WEATHER COVERING

					SPV.0090.03	SPV.0090.04	SPV.0090.05	SPV.0165.05	SPV.0165.06	SPV.0165.07
					CONCRETE COLD WEATHER COVERING					
					CURB & GUTTER			SIDEWALK		
					PLASTIC 1 LAYER	PLASTIC 2 Layers	PLASTIC/ HAY/PLASTIC	PLASTIC 1 LAYER	PLASTIC 2 Layers	PLASTIC/ HAY/PLASTIC
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	LF	SF	SF	SF
0010	96+50	-	158+55	UNDISTRIBUTED	3,000	3,000	3,000	12,000	12,000	12,000
				SUBTOTAL 0010	3,000	3,000	3,000	12,000	12,000	12,000
				TOTAL	3,000	3,000	3,000	12,000	12,000	12,000

3

FLASHING STOP BEACON ITEMS

CONDUIT RIGID NONMETALLIC SCHEDULE 40

CATG.	FROM	TO	LOCATION	652.0225* 2-Inch LF
0010	CB1	FB1	STH 42 & MAIN ST (S15-0198)	10
		SUBTOTAL 0010		10

*ADDITIONAL QTY'S SHOWN ELSEWHERE IN PLAN

CONCRETE BASES

CATG.	LOCATION	204.0195* REMOVING CONCRETE BASES EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0220 CONCRETE CONTROL CABINET BASES TYPE 10 NER EACH
0010	STH 42 & Main St (S15-0198)	1	1	1
	SUBTOTAL 0010	1	1	1
	TOTAL	*	1	1

*ADDITIONAL QTY's SHOWN ELSEWHERE IN PLAN

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

CATG.	FROM	TO	LOCATION	655.0515 (EQUIPMENT GROUNDING CONDUCTOR) (GREEN) LF
0010	CB1	FB1	STH 42 & MAIN ST (S15-0198)	30
		SUBTOTAL 0010		30
		TOTAL		30

TRAFFIC SIGNALS

CATG.	LOCATION	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL (STH 42 & MAIN ST) LUMP SUM	657.0305 POLES TYPE 2 EACH	657.0590 TROMBONE ARMS 20-FT EACH	658.0171 TRAFFIC SIGNAL FACE 1S 12-INCH EACH	658.5069 SIGNAL MOUNTING HARDWARE (STH 42 & MAIN ST) LS	SPV.0105.03 REMOVE FLASHING BEACON (STH 42 & MAIN ST) LS
0010	STH 42 & MAIN ST (S15-0198)	1	1	1	2	1	1
	SUBTOTAL 0010	1	1	1	2	1	1
	TOTAL	1	1	1	2	1	1

TRAFFIC SIGNAL CABLE

	STH 42 & Main St (S15-0198)			655.0230
		655.0230		Base to Head
		5-14	HEAD	5-14
		AWG	NO.	AWG
CATG.	From CB1 to	LF		LF
0010	FB1	Dept Provided & Installed	1	45
0010			2	15
	SUBTOTAL 0010			60
	TOTAL			60

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

3

PULL BOX ITEMS

CATEGORY	NO.	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
0050	LPB1	1
0050	LPB2	1
	SUBTOTAL 0050	2
	TOTAL	2

LIGHTING CONTROL CABINET

CATEGORY	CABINET	STATION	SPV.0060.06 LIGHTING CONTROL CABINET BASE TYPE SPECAIL EACH	SPV.0060.13 LIGHTING CONTROL CABINETS TYPE SPECIAL EACH
0050	LCC-A	113+82, 29.2 RT	1	1
0050	LCC-B	134+32, 30.7 LT	1	1
	SUBTOTAL 0050		2	2
	TOTAL		2	2

*ELECTRICAL SERVICE INCLUDED IN ITEM OF LIGHTING CONTROL CABINET TYPE SPECIAL

3

LIGHTING UNIT ITEMS

CATEGORY	LIGHTING UNIT NO.	204.0195* REMOVING CONCRETE BASES EACH	204.9001.S REMOVING ADVACNED FLASHER ASSEMBLIES TYPE 1 EACH	204.9002.S REMOVING ADVACNED FLASHER ASSEMBLIES TYPE 2 EACH	SPV.0060.02 SALVAGE LIGHTING UNIT EACH	SPV.0060.04 REMOVING LIGHTING UNIT EACH	SPV.0060.05 INSTALL LIGHTING UNIT TYPE SPECIAL EACH	SPV.0060.07 CONCRETE BASES TYPE SPECIAL EACH	SPV.0060.14 CONCRETE BASE SPREAD FOOTING EACH
0050	X-1	1	---	---	1	---	---	---	---
0050	X-2	1	---	---	1	---	---	---	---
0050	X-3	1	---	---	1	---	---	---	---
0050	X-4	1	---	---	1	---	---	---	---
0050	X-5	1	---	---	1	---	---	---	---
0050	X-6	1	---	---	1	---	---	---	---
0050	X-7	1	---	---	1	---	---	---	---
0050	X-8	1	---	---	---	1	---	---	---
0050	X-9	1	---	---	---	1	---	---	---
0050	X-10	1	---	---	---	1	---	---	---
0050	X-34	1	---	---	---	1	---	---	---
0050	X-11	1	---	---	---	1	---	---	---
0050	X-12	1	---	---	---	1	---	---	---
0050	X-13	1	---	---	---	1	---	---	---
0050	X-14	1	---	---	---	1	---	---	---
0050	X-15	1	---	---	---	1	---	---	---
0050	X-16	1	---	---	---	1	---	---	---
0060	X-17	1	---	---	---	1	---	---	---
0050	X-18	1	---	---	---	1	---	---	---
0050	X-19	1	---	---	---	1	---	---	---
0050	X-20	1	---	---	---	1	---	---	---
0050	X-21	1	---	---	---	1	---	---	---
0050	X-22	1	---	---	---	1	---	---	---
0050	X-23	1	---	---	---	1	---	---	---
0050	X-24	1	---	---	---	1	---	---	---
0050	X-25	1	---	---	---	1	---	---	---
0050	X-26	1	---	---	---	1	---	---	---
0060	X-27	1	---	---	---	1	---	---	---
0050	X-28	1	---	---	---	1	---	---	---
0050	X-29	1	---	---	---	1	---	---	---
0060	X-30	1	---	---	---	1	---	---	---
0060	X-31	1	---	---	---	1	---	---	---
0060	X-32	1	---	---	---	1	---	---	---
0060	X-33	1	---	---	---	1	---	---	---
0050	LCC-A-1	---	---	---	---	---	1	1	---
0050	LCC-A-2	---	---	---	---	---	1	1	---
0050	LCC-A-3	---	---	---	---	---	1	1	---
0050	LCC-A-4	---	---	---	---	---	1	1	---
0050	LCC-A-5	---	---	---	---	---	1	1	---
0050	LCC-A-6	---	---	---	---	---	1	1	---
0050	LCC-A-7	---	---	---	---	---	1	1	---
0050	LCC-A-8	---	---	---	---	---	1	1	---
0050	LCC-A-9	---	---	---	---	---	1	1	---
0050	LCC-A-10	---	---	---	---	---	1	1	---
0050	LCC-A-11	---	---	---	---	---	1	1	---
0050	LCC-A-12	---	---	---	---	---	1	1	---
0050	LCC-A-13	---	---	---	---	---	1	1	---
0050	LCC-A-14	---	---	---	---	---	1	1	---
0050	LCC-A-15	---	---	---	---	---	1	1	---
0050	LCC-A-16	---	---	---	---	---	1	1	---
0050	LCC-A-17	---	---	---	---	---	1	1	---
0050	LCC-A-18	---	---	---	---	---	1	1	---
0050	LCC-A-19	---	---	---	---	---	1	1	---
0050	LCC-A-20	---	---	---	---	---	1	1	---
0050	LCC-A-21	---	---	---	---	---	1	1	---
0050	LCC-A-22	---	---	---	---	---	1	1	---
0050	LCC-A-23	---	---	---	---	---	1	1	---
0050	LCC-A-24	---	---	---	---	---	1	1	---
0050	LCC-A-25	---	---	---	---	---	1	1	---
0050	LCC-A-26	---	---	---	---	---	1	1	---
0050	LCC-A-27	---	---	---	---	---	1	1	---
0050	LCC-A-28	---	---	---	---	---	1	1	---
0050	LCC-A-29	---	---	---	---	---	1	1	---
0050	LCC-B-1	---	---	---	---	---	1	1	---
0050	LCC-B-2	---	---	---	---	---	1	1	---
0050	LCC-B-3	---	---	---	---	---	1	1	---
0050	LCC-B-4	---	---	---	---	---	1	1	---
0050	LCC-B-5	---	---	---	---	---	1	1	---
0050	LCC-B-6	---	---	---	---	---	1	1	---

*ADDITIONAL QTY'S LOCATED ELSEWHERE IN PLAN

LIGHTING UNIT ITEMS

CATEGORY	LIGHTING UNIT NO.	204.0195* REMOVING CONCRETE BASES EACH	204.9001.S REMOVING ADVACNED FLASHER ASSEMBLIES TYPE 1 EACH	204.9002.S REMOVING ADVACNED FLASHER ASSEMBLIES TYPE 2 EACH	SPV.0060.02 SALVAGE LIGHTING UNIT EACH	SPV.0060.04 REMOVING LIGHTING UNIT EACH	SPV.0060.05 INSTALL LIGHTING UNIT TYPE SPECIAL EACH	SPV.0060.07 CONCRETE BASES TYPE SPECIAL EACH	SPV.0060.14 CONCRETE BASE SPREAD FOOTING EACH
0050	LCC-B-7	---	---	---	---	---	1	1	---
0050	LCC-B-8	---	---	---	---	---	1	1	---
0050	LCC-B-9	---	---	---	---	---	1	1	---
0050	LCC-B-10	---	---	---	---	---	1	1	---
0050	LCC-B-11	---	---	---	---	---	1	1	---
0050	LCC-B-12	---	---	---	---	---	1	---	1
0050	LCC-B-13	---	---	---	---	---	1	---	1
0050	LCC-B-14	---	---	---	---	---	1	1	---
0050	LCC-B-15	---	---	---	---	---	1	1	---
0050	LCC-B-16	---	---	---	---	---	1	1	---
0050	LCC-B-17	---	---	---	---	---	1	1	---
0050	LCC-B-18	---	---	---	---	---	1	1	---
0050	LCC-B-19	---	---	---	---	---	1	1	---
0050	LCC-B-20	---	---	---	---	---	1	1	---
0050	LCC-B-21	---	---	---	---	---	1	1	---
0050	LCC-B-22	---	---	---	---	---	1	1	---
0050	LCC-B-23	---	---	---	---	---	1	1	---
0050	LCC-B-24	---	---	---	---	---	1	1	---
0050	LCC-B-25	---	---	---	---	---	1	1	---
0050	LCC-B-26	---	---	---	---	---	1	1	---
0050	LCC-B-27	---	---	---	---	---	1	1	---
0050	LCC-B-28	---	---	---	---	---	1	1	---
0050	LCC-B-29	---	---	---	---	---	1	1	---
0050	LCC-B-30	---	---	---	---	---	1	1	---
0050	LCC-B-31	---	---	---	---	---	1	1	---
0050	LCC-B-32	---	---	---	---	---	1	1	---
0050	LCC-B-33	---	---	---	---	---	1	1	---
0050	LCC-B-34	---	---	---	---	---	1	1	---
0050	LCC-B-35	---	---	---	---	---	1	1	---
0050	LCC-B-36	---	---	---	---	---	1	1	---
0050	LCC-B-37	---	---	---	---	---	1	1	---
0050	LCC-B-38	---	---	---	---	---	1	1	---
0050	LCC-B-39	---	---	---	---	---	1	1	---
0060	LCC-B-40	---	---	---	---	---	1	1	---
0060	LCC-B-41	---	---	---	---	---	1	1	---
0060	LCC-B-42	---	---	---	---	---	1	1	---
0060	LCC-B-43	---	---	---	---	---	1	1	---
0060	LCC-B-44	---	---	---	---	---	1	1	---
0060	LCC-B-45	---	---	---	---	---	1	1	---
0060	LCC-B-46	---	---	---	---	---	1	1	---
	SUBTOTAL 0050	34	---	---	7	27	75	73	2
0060	139+46 RT	---	1	---	---	---	---	---	---
0060	153+75 LT	---	1	---	---	---	---	---	---
0060	156+47 RT	1	---	1	---	---	---	---	---
0060	156+80 LT	1	---	1	---	---	---	---	---
	SUBTOTAL 0060	2	2	2	---	---	---	---	---
	TOTAL	36	2	2	7	27	75	73	2

*ADDITIONAL QTY'S LOCATED ELSEWHERE IN PLAN

LIGHTING ELECTRICAL WIRE AND CONDUIT ITEMS

CATEGORY	UNIT	UNIT	204.9090.S.01 REMOVING CABLES OR CONDUIT (FT)	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (FT)	652.0605 CONDUIT SPECIAL 2-INCH (FT)	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (FT)	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (FT)	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG (FT)
0050	X-1	X-2	205	---	---	---	---	---
0050	X-3	X-2	101	---	---	---	---	---
0050	X-2	X-4	203	---	---	---	---	---
0050	X-4	X-5	63	---	---	---	---	---
0050	X-7	X-8	176	---	---	---	---	---
0050	X-8	X-9	247	---	---	---	---	---
0050	X-9	X-10	315	---	---	---	---	---
0050	X-11	X-13	447	---	---	---	---	---
0050	X-12	X-14	384	---	---	---	---	---
0050	X-12	X-13	58	---	---	---	---	---
0050	X-15	X-16	220	---	---	---	---	---
0050	X-16	X-17	112	---	---	---	---	---
0050	X-17	X-18	93	---	---	---	---	---
0050	X-19	X-20	175	---	---	---	---	---
0050	X-20	X-23	452	---	---	---	---	---
0050	X-23	X-24	254	---	---	---	---	---
0050	X-24	X-25	234	---	---	---	---	---
0050	X-25	X-26	234	---	---	---	---	---
0050	X-26	X-LIGHT	221	---	---	---	---	---
0050	X-29	X-27	170	---	---	---	---	---
0050	X-27	X-28	215	---	---	---	---	---
0050	X-17	X-30	228	---	---	---	---	---
0050	X-30	X-31	179	---	---	---	---	---
0050	X-31	X-32	302	---	---	---	---	---
0050	X-32	X-33	340	---	---	---	---	---
0050	LCC-A-1	LCC-A-2		93	---	105	309	309
0050	LCC-A-2	LCC-A-6	---	---	130	105	420	420
0050	LCC-A-3	LCC-A-6	---	---	74	105	252	252
0050	LCC-A-6	LCC-A-8	---	---	185	105	585	585
0050	LCC-A-8	LCC-A-10	---	---	206	105	648	648
0050	LCC-A-10	LCC-A-12	---	---	209	105	657	657
0050	LCC-A-12	LCC-A-14	---	---	224	105	702	702
0050	LCC-A-14	LCC-A-16	---	---	180	105	570	570
0050	LCC-A-16	LCC-A-18	---	---	223	105	699	699
0050	LCC-A-18	LCC-A	---	---	108	105	354	354
0050	LCC-A-4	LCC-A-5	---	---	56	105	198	198
0050	LCC-A-5	LCC-A-7	---	---	123	105	399	399
0050	LCC-A-7	LCC-A-9	---	---	180	105	570	570
0050	LCC-A-9	LCC-A-11	---	---	225	105	705	705
0050	LCC-A-11	LCC-A-13	---	---	209	105	657	657
0050	LCC-A-13	LCC-A-15	---	---	193	105	609	609
0050	LCC-A-15	LCC-A-17	---	---	214	105	672	672
0050	LCC-A-17	LCC-A-19	---	---	195	105	615	615
0050	LCC-A-19	LPB1	---	---	32	105	126	126
0050	LPB1	LCC-A	---	---	58	---	204	204
0050	LCC-A-29	LCC-A-27	---	---	219	105	687	687
0050	LCC-A-27	LCC-A-25	---	---	151	105	483	483
0050	LCC-A-25	LCC-A-23	---	---	186	105	588	588
0050	LCC-A-23	LCC-A-21	---	---	208	105	654	654
0050	LCC-A-21	LPB1	---	---	167	105	531	531
0050	LCC-A-28	LCC-A-26	---	---	197	105	621	621
0050	LCC-A-26	LCC-A-24	---	---	199	105	627	627
0050	LCC-A-24	LCC-A-22	---	---	190	105	600	600
0050	LCC-A-22	LCC-A-20	---	---	187	105	591	591
0050	LCC-A-20	LCC-A	---	---	68	105	234	234
0050	LCC-B-1	LCC-B-3	---	---	203	105	639	639
0050	LCC-B-3	LCC-B-5	---	---	197	105	621	621
0050	LCC-B-5	LCC-B-7	---	---	208	105	654	654
0050	LCC-B-7	LCC-B-9	---	---	202	105	636	636
0050	LCC-B-9	LCC-B-11	---	---	207	105	651	651
0050	LCC-B-11	LCC-B	---	---	63	105	438	438
0050	LCC-B-2	LPB2	---	98	---	105	324	324
0050	LCC-B-46	LCC-B-45	---	343	---	105	1,059	1,059
0050	LCC-B-45	LCC-B-44	---	289	---	105	897	897
0050	LCC-B-44	LCC-B-43	---	---	79	105	267	267

*ADDITIONAL QTY'S LOCATED ELSEWHERE IN PLAN

LIGHTING ELECTRICAL WIRE AND CONDUIT ITEMS

CATEGORY	UNIT	UNIT	204.9090.S.01 REMOVING CABLES OR CONDUIT (FT)	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (FT)	652.0605 CONDUIT SPECIAL 2-INCH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (FT)	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (FT)	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG (FT)
0050	LCC-B-43	LCC-B-42	---	114	---	105	372	372
0050	LCC-B-42	LCC-B-41	---	113	---	105	369	369
0050	LCC-B-41	LCC-B-40	---	113	---	105	369	369
0050	LCC-B-40	LPB2	---	61	---	105	213	213
0050	LPB2	LCC-B-4	---	---	100	---	330	330
0050	LCC-B-4	LCC-B-6	---	203	---	105	639	639
0050	LCC-B-6	LCC-B-8	---	---	196	105	618	618
0050	LCC-B-8	LCC-B-10	---	---	228	105	714	714
0050	LCC-B-10	LCC-B	---	---	89	105	297	297
0050	LCC-B-39	LCC-B-36	---	197	---	105	621	621
0050	LCC-B-36	LCC-B-33	---	157	---	105	501	501
0050	LCC-B-33	LCC-B-31	---	168	---	105	534	534
0050	LCC-B-31	LCC-B-29	---	209	---	105	657	657
0050	LCC-B-29	LCC-B-27	---	205	---	105	645	645
0050	LCC-B-27	LCC-B-25	---	141	---	105	453	453
0050	LCC-B-25	LCC-B-23	---	138	---	105	444	444
0050	LCC-B-23	LCC-B-20	---	89	---	105	297	297
0050	LCC-B-20	LCC-B-18	---	184	---	105	582	582
0050	LCC-B-18	LCC-B-16	---	210	---	105	660	660
0050	LCC-B-16	LCC-B-14	---	182	---	105	576	576
0050	LCC-B-14	LCC-B-12	---	233	---	105	729	729
0050	LCC-B-12	LCC-B	---	119	---	105	387	387
0050	LCC-B-38	LCC-B-37	---	69	---	105	237	237
0050	LCC-B-37	LCC-B-35	---	148	---	105	474	474
0050	LCC-B-35	LCC-B-34	---	---	84	105	282	282
0050	LCC-B-34	LCC-B-32	---	83	---	105	279	279
0050	LCC-B-32	LCC-B-30	---	169	---	105	537	537
0050	LCC-B-30	LCC-B-28	---	186	---	105	588	588
0050	LCC-B-28	LCC-B-26	---	125	---	105	405	405
0050	LCC-B-26	LCC-B-24	---	196	---	105	618	618
0050	LCC-B-24	LCC-B-22	---	119	---	105	387	387
0050	XXXX	LCC-B-22	---	37	---	---	639	639
0050	LCC-B-22	LCC-B-21	---	---	75	105	255	255
0050	LCC-B-21	LCC-B-19	---	145	---	105	465	465
0050	LCC-B-19	LCC-B-17	---	221	---	105	693	693
0050	LCC-B-17	LCC-B-15	---	194	---	105	612	612
0050	LCC-B-15	LCC-B-13	---	214	---	105	672	672
0050	LCC-B-13	LCC-B-11	---	204	---	105	642	642
	SUBTOTAL 0050		5,628	5,769	6,727	7,875	40,545	40,545
	TOTAL		5,628	5,769	6,727	7,875	40,545	40,545

*ADDITIONAL QTY'S LOCATED ELSEWHERE IN PLAN

SAW CUTS

CATG.	STATION - STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	96+50	STH 42	40	---	
0010	96+96 - 97+51	STH 42 RT	74	7	
0010	99+44 - 100+56	STH 42 RT	55	25	
0010	99+56 - 99+81	STH 42 LT	27	26	
0010	99+83 - 100+14	MAIN ST	200	15	MAIN ST/SPRUCE ST
0010	100+47 - 100+15	STH 42 RT	52	20	
0010	102+58 - 102+48	STH 42 LT	---	14	
0010	103+30 - 103+10	STH 42 LT	23	17	
0010	102+65 - 102+68	STH 42 RT	20	27	PINE ST
0010	102+24 - 102+34	STH 42 RT	---	9	
0010	102+81 - 103+14	STH 42	90	---	PINE ST
0010	102+70 - 103+47	STH 42 RT	96	30	PINE ST
0010	104+49 - 104+76	STH 42 RT	62	10	
0010	106+23 - 106+51	STH 42 LT	30	17	
0010	106+67 - 109+81	STH 42	656	60	
0010	110+96 - 111+06	STH 42 LT	---	9	
0010	112+62 - 112+88	STH 42 RT	33	59	
0010	112+50 - 112+78	STH 42 LT	15	15	
0010	114+40 - 114+14	STH 42 RT	---	9	
0010	116+10 - 116+11	STH 42 LT	---	9	
0010	117+43 - 117+63	STH 42 LT	23	16	
0010	117+34 - 117+63	STH 42 RT	21	15	
0010	118+64 - 118+84	STH 42 RT	35	16	
0010	119+55 - 120+79	STH 42	170	11	
0010	122+88 - 123+82	STH 42 LT	37	15	
0010	119+82 - 123+57	STH 42 LT	377	---	STORM SEWER
0010	120+75 - 123+82	STH 42 RT	272	53	
0010	124+21 - 124+31	STH 42 LT	---	9	
0010	125+27 - 126+73	STH 42	229	32	
0010	126+88 - 129+57	STH 42	318	16	
0010	127+36 - 127+46	STH 42 LT	---	9	
0010	129+19 - 129+33	STH 42 LT	---	15	
0010	129+80 - 131+28	STH 42	260	36	
0010	130+50 - 130+68	STH 42 LT	---	16	
0010	131+35 - 132+50	STH 42	121	36	
0010	132+21 - 133+50	STH 42	169	16	
0010	132+70 - 132+20	STH 42 LT	---	15	
0010	133+54 - 133+86	STH 42 LT	---	16	
0010	133+64 - 135+18	STH 42	248	16	
0010	134+94	STH 42 RT	24	---	DRIVEWAY
0010	135+25 - 136+83	STH 42RT	274	---	
0010	136+38 - 138+20	STH 42 LT	350	---	
0010	137+88	STH 42 RT	17	---	DRIVEWAY
0010	136+92 - 137+77	STH 42 LT	66	---	DRIVEWAY
0010	138+55	STH 42 LT	19	---	DRIVEWAY
0010	138+82 - 140+40	STH 42	355	---	
0010	140+52 - 142+98	STH 42	535	---	
0010	140+34	STH 42 RT	5	---	
0010	142+36	STH 42 RT	26	---	DRIVEWAY
0010	143+28	STH 42 LT	20	---	PARKING LOT
0010	143+90 - 144+11	STH 42	238	---	
0010	143+72 - 144+51	STH 42	391	---	CTH F
0010	144+23 - 145+23	STH 42	229	---	
0010	144+77	STH 42 RT	---	4	SIDEWALK ON CTH F
0010	144+79 - 147+21	STH 42	527	---	
0010	146+20 - 147+16	STH 42 RT	115	---	PARKING LOT
0010	145+20 - 148+27	STH 42 LT	303	---	
0010	148+42 - 149+23	STH 42 LT	63	---	DRIVEWAY
0010	149+00 - 149+94	STH 42	231	---	
0010	150+60 - 152+39	STH 42	504	---	
0010	151+32	STH 42 LT	63	---	DRIVEWAY
0010	152+15	STH 42 LT	15	---	PARKING LOT
0010	153+26 - 153+55	STH 42 RT	264	---	GIBRALTAR RD
0010	152+48 - 156+21	STH 42	628	---	
0010	156+73	STH 42 RT	---	5	SIDEWALK
0010	156+53	STH 42 RT	24	---	DRIVEWAY
0010	157+80 - 158+59	STH 42	334	2	
0010	163+72	STH 42 RT	24	---	DRIVEWAY
0010	164+96	STH 42 RT	28	---	DRIVEWAY
0010	167+70	STH 42 RT	40	---	DRIVEWAY
0010	169+20	STH 42 RT	47	---	DRIVEWAY
0010	171+63 - 172+10	STH 42 RT	50	---	DRIVEWAY
0010	175+59	STH 42 RT	42	---	DRIVEWAY
0010	179+70	STH 42 RT	83	---	NORTHHAVEN DR
0010	189+16	STH 42 RT	20	---	DRIVEWAY
0010	195+27	STH 42 RT	11	---	DRIVEWAY
0010	196+67	STH 42 RT	42	---	DRIVEWAY
0010	202+23	STH 42 RT	76	---	DRIVEWAY
0010	206+79	STH 42 RT	44	---	DRIVEWAY
0010	229+31	STH 42 RT	19	---	DRIVEWAY
0010	242+25	STH 42 RT	58	---	DRIVEWAY
001	244+98	STH 42 RT	64	---	DRIVEWAY
0010	254+79	STH 42 RT	31	---	CTH A
0010	255+68	STH 42 LT	29	---	HIGHLAND RD
0010	256+75	STH 42 RT	33	---	DRIVEWAY
0010	259+13	STH 42 RT	30	---	DRIVEWAY
0010	263+39	STH 42 LT	30	---	DRIVEWAY
0010	264+21	STH 42 LT	29	---	DRIVEWAY
0010	267+24	STH 42 RT	24	---	MAPLE GROVE RD
0010	269+76	STH 42 LT	15	---	DRIVEWAY
0010	271+40	STH 42 LT	27	---	DRIVEWAY
0010	273+97	STH 42 LT	25	---	DRIVEWAY
0010	278+10	STH 42 LT	29	---	DRIVEWAY
0010	280+31	STH 42 LT	21	---	SHORE RD
0010	281+77	STH 42 RT	24	---	HOLAND RD
0010	288+32	STH 42 LT	24	---	DRIVEWAY
0010	292+50	STH 42 RT	25	---	HOLAND RD
0010	292+76	STH 42 LT	33	---	CRYSTAL SPRING RD
0010	295+80	STH 42 LT	18	---	DRIVEWAY
0010	302+02	STH 42 RT	14	---	DRIVEWAY
0010	304+28	STH 42 RT	16	---	DRIVEWAY
0010	305+58	STH 42 RT	16	---	DRIVEWAY
0010	307+23	STH 42 RT	31	---	BROOKSIDE LN
0010	317+25	STH 42	28	6	
0010	342+25	STH42	40	---	
0010	345+11	STH 42 RT	16	---	CHERRY ST
0010	347+70 - 348+15	STH 42	209	---	
0010	351+51	STH 42	38	---	CTH Q
0010	356+57	STH 42 RT	29	---	CEDAR ST
0010	360+88	STH 42 RT	23	---	SPRUCE ST
0010	370+00 - 371+20	STH 42	244	---	
0010	371+59	STH 42 RT	29	---	ANDERSON LN
0010	382+48	STH 42 RT	24	---	MORAVIA ST
0010	384+17	STH 42 RT	46	---	DRIVEWAY
0010	385+26	STH 42 RT	24	---	DRIVEWAY
0010	385+10 - 386+47	STH 42 LT	160	---	
0010	387+35	STH 42 LT	12	---	DRIVEWAY
0010	388+62	STH 42 LT	13	---	DRIVEWAY
0010	389+65	STH 42 LT	13	---	DRIVEWAY
0010	390+94	STH 42 LT	13	---	DRIVEWAY
0010	391+89	STH 42 RT	23	---	MEADOW LN
0010	393+14	STH 42 LT	22	---	DRIVEWAY
0010	394+30	STH 42 RT	23	---	DRIVEWAY
0010	395+12 - 395+69	STH 42 RT	35	---	DRIVEWAY
0010	396+83	STH 42 LT	17	---	DRIVEWAY
0010	397+57	STH 42 RT	11	---	DRIVEWAY
0010	398+93	STH 42 LT	43	---	N SHORE RD
0010	398+68 - 399+67	STH 42 RT	33	---	DRIVEWAY
0010	401+50	STH 42 RT	29	---	DRIVEWAY
0010	399+81	STH 42 LT	90	---	AMUNDSON RD
0010	402+94	STH 42 RT	26	---	BRODD LN
0010	409+70	STH 42 LT	34	---	CORAL HILL RD
0010	409+15	STH 42 RT	25	---	CORAL HILL RD
0010	410+25	STH 42 RT	14	---	DRIVEWAY
0010	413+54 - 415+71	STH 42 RT	76	---	DRIVEWAY
0010	422+18	STH 42 RT	22	---	ORCHARD RD
0010	422+58	STH 42 RT	16	---	DRIVEWAY
0010	422+82	STH 42 LT	30	---	ORCHARD RD
0010	427+34 - 427+77	STH 42	71	---	DRIVEWAY
0010	428+85	STH 42 RT	36	---	DRIVEWAY
0010	429+11	STH 42 LT	64	---	DRIVEWAY
0010	430+64 - 431+77	STH 42 LT	58	---	DRIVEWAY
0010	433+84	STH 42 LT	39	---	DRIVEWAY
0010	435+33	STH 42 LT	27	---	BELLA VISTA LN
0010	436+69	STH 42 LT	21	---	DRIVEWAY
0010	440+45	STH 42 RT	50	---	DRIVEWAY
0010	441+37	STH 42 LT	20	---	DRIVEWAY
0010	444+90	STH 42 RT	64	---	DRIVEWAY
0010	447+24	STH 42 LT	27	---	DRIVEWAY
0010	447+57 - 448+52	STH 42 RT	65	---	DRIVEWAY
0010	448+47	STH 42	31	---	DRIVEWAY
0010	450+55	STH 42 RT	29	---	DRIVEWAY
0010	451+74	STH 42 LT	23	---	SHANNON SQUARE
0010	454+63	STH 42 RT	87	---	DRIVEWAY
0010	455+29	STH 42 LT	60	---	DRIVEWAY
0010	456+95	STH 42 RT	42	---	DRIVEWAY
0010	458+96	STH 42 RT	37	---	TOWNLINE RD
0010	459+75	STH 42 LT	23	---	TOWNLINE RD
0010	467+82	STH 42 RT	34	---	DRIVEWAY
0010	472+43	STH 42 LT	26	---	LITTLE SISTER HILL RD
0010	272+33	STH 42 RT	33	---	NIRDIC DR
0010	486+55	STH 42 RT	28	---	COUNTRY LN
0010	486+57	STH 42 LT	24	---	LITTLE SISTER RD
0010	490+53	STH 42 RT	43	---	DRIVEWAY
0010	492+01	STH 42 RT	28	---	DRIVEWAY
0010	493+41	STH 42 LT	24	---	WESTWOOD DR
0010	495+16	STH 42 RT	24	---	DRIVEWAY
0010	496+35	STH 42 LT	45	---	DRIVEWAY
0010	497+07 - 498+28	STH 42 RT	85	---	DRIVEWAY
0010	496+84 - 498+31	STH 42 LT	76	---	DRIVEWAY
0010	498+58 - 500+98	STH 42 RT	114	---	DRIVEWAY
0010	499+79	STH 42 LT	56	---	DRIVEWAY
0010	501+73	STH 42 LT	20	---	DRIVEWAY
0010	502+38	STH 42 LT	23	---	DRIVEWAY
0010	504+17	STH 42 LT	25	---	FOREST LN
0010	506+65	STH 42 LT	39	---	MEADOW LN
0010	506+50	STH 42 RT	72	---	DRIVEWAY
0010	507+99	STH 42 LT	34	---	DRIVEWAY
0010	512+66	STH 42 LT	36	---	DRIVEWAY
0010	514+44	STH 42 RT	27	---	DRIVEWAY
0010	514+52	STH 42 LT	17	---	DRIVEWAY
0010	516+02	STH 42 RT	39	---	DRIVEWAY
0010	516+03	STH 42 LT	23	---	DRIVEWAY
0010	519+36	STH 42 LT	35	---	DRIVEWAY
0010	519+87	STH 42 RT	34	---	FIELDCREST RD
0010	521+86	STH 42 RT	44	---	DRIVEWAY
0010	523+78	STH 42 RT	27	---	HIGHLAND RD
0010	524+50	STH 42 RT	31	---	HIGHLAND RD
0010	524+99 - 526+30	STH 42 LT	58	---	DRIVEWAY
0010	526+80 - 528+36	STH 42 RT	72	---	DRIVEWAY
0010	527+41	STH 42 LT	26	---	DRIVEWAY
0010	528+39	STH 42 LT	21	---	DRIVEWAY
0010	529+83	STH 42 LT	33	---	DRIVEWAY
0010	10+56 - 13+32	SHORE RD LT	302	5	
0010	13+32 - 15+20	SHORE RD	233	3	
0010	151+35 - 152+89	STH 42 RT	309	---	GIBR. RD. TEMP.
		SUBTOTAL 0010	15,164	759	
0060	11+00	SHORE RD RT	34	---	ELM ST
0060	14+19 - 14+65	SHORE RD RT	51	---	EVERGREEN RD
		SUBTOTAL 0060	85	---	
		TOTAL	15,249	759	

8 0 1 6 4 8 1
Tx:4008988

DOC #: 813072
RECORDED ON:
05/03/2018 12:11:11 PM
CAREY PETERSILKA
REGISTER OF DEEDS
DOOR COUNTY, WI
FEE AMOUNT PAID: 30.00

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

This Vacation Order applies to Transportation Project Plat 4140-19-21-4.01, recorded on January 22, 2018 as Document Number 810883 in the Office of the Register of Deeds for Door County.

Whereas, parcel 53 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said parcel is vacated and rescinded.

This space is reserved for recording data

Return to

NORTHEAST REGION
WISCONSIN DEPT OF TRANSPORTATION
944 VANDERPERREN WAY
GREEN BAY WI 54304

Parcel Identification Number/Tax Key Number

NA

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Greg Belanger
(Signature)

4/30/2018
(Date – m/d/yyyy)

Greg Belanger
(Print Name)

Right of Way Plat Coordinator
(Title)

State of Wisconsin
Brown County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x Curtis D. Van Erem
(Signature, Notary Public, State of Wisconsin)

Curtis D. Van Erem
(Print or Type Name, Notary Public, State of Wisconsin)

11/29/19
(Date Commission Expires)

(Seal) CURTIS D. VANEREM NOTARY PUBLIC STATE OF WISCONSIN

Project ID 4140-19-21

This instrument was drafted by Greg Belanger

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.01

PART OF OLD STATION SHOPS CONDOMINIUM, BEING OF PART OF LOT 3, BLOCK 3, OF ASA THORP PLAT OF FISH CREEK, AND PART OF LOT 3, BLOCK 4, AND PART OF LOT 5, BLOCK 5 OF SAID ASA THORP PLAT OF FISH CREEK, ALL BEING A PART OF GOVERNMENT LOT 5, ALSO A PART OF GOVERNMENT LOT 4, ALL IN SECTION 29, ALSO PART OF THE NE 1/4 OF THE NE 1/4 OF SECTION 32, ALL IN TOWNSHIP 31 NORTH, RANGE 27 EAST, TOWN OF GIBRALTAR, DOOR COUNTY, WISCONSIN.

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.01
AMENDMENT NO:__

SEE TPP 4140-19-21-4.02

4

4

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED NEW	EXISTING	TOTAL	P.L.E. AREA	T.L.E. AREA
53	STATE OF WISCONSIN, DEPT. OF NATURAL RESOURCES	TLE, PLE				0.034	0.129
54	SAINT PAUL CATHOLIC CONGREGATION OF FISH CREEK	TLE, PLE				0.010	0.025
57	MICHAEL C. AND JUDITH A SURGES	TLE					0.002
58	TOWN OF GILBRALTAR	FEE, TLE	0.0009				0.0005
59	OLD STATION SHOPS CONDOMINIUM	FEE, TLE	0.0003				0.001

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

See Vacation Order Doc # 813072

0 50 100 200
SCALE, FEET

GN

COURSE TABLE

POINT	TO POINT	BEARING	DIST.
PLE609	PLE610	N70°05'22"W	75.00'
PLE610	PLE611	N19°54'38"E	20.00'
PLE611	PLE612	S70°05'22"E	75.00'
PLE612	PLE609	S19°54'38"W	20.00'
PLE620	PLE621	N85°43'32"E	20.00'
PLE621	PLE622	S04°16'28"E	22.00'
PLE622	PLE623	S85°43'32"W	20.00'
PLE623	PLE620	N04°16'28"W	22.00'
PLE640	PLE641	S85°55'27"E	12.00'
PLE641	PLE642	S06°48'56"W	49.19'
PLE642	ERW865	S88°51'31"W	10.17'
ERW865	PLE639	S19°54'38"W	12.33'
PLE635	PLE637	N20°17'54"E	201.03'
PLE637	PLE638	N30°30'04"E	23.23'
TLE538	TLE630	N42°16'20"E	16.31'
TLE630	TLE625	N20°17'54"E	201.47'
TLE625	TLE626	N30°30'04"E	23.21'
TLE626	TLE539	N19°54'38"E	66.64'
TLE539	TLE540	N70°05'22"W	80.00'
TLE540	TLE541	N19°54'38"E	36.00'
TLE541	TLE542	S70°05'22"E	79.13'

R/L Curve Table

Curve #	Arc Length	Radius	Delta	LCH	LCB
C28	44.02'	736.20'	3°31'16"	44.01'	S87°29'10"W
C56	153.78'	480.65'	18°19'52"	153.12'	N11°32'07"E
C57	62.09'	492.15'	7°13'42"	62.05'	N7°37'55"E
C58	49.21'	504.15'	5°35'35"	49.19'	N6°48'56"E
C59	11.67'	2213.89'	0°18'07"	11.67'	N88°57'38"E
C60	6.35'	2213.89'	0°09'51"	6.35'	N89°11'37"E
C61	14.19'	18.50'	43°57'11"	13.85'	N42°16'29"E

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	*OWNER	INTEREST REQUIRED
304	WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC	RELEASE OF RIGHTS
300	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

304 WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
PARCELS 53 & 54

300 FRONTIER COMMUNICATIONS OF WI LLC
PARCEL 53

STATION OFFSET TABLE (SHORE RD.)

POINT	STATION	OFFSET	Y	X
TLE538	10+17.18	-48.21	264581.96	530053.65
PLE636	10+19.40	-42.26	264582.05	530060.00
ERW800	10+23.53	-31.35	264582.26	530071.67
PLE635	10+32.19	-36.94	264592.29	530069.31
TLE630	10+32.24	-41.94	264594.03	530064.63
PLE637	12+33.20	-34.74	264780.84	530139.05
TLE625	12+33.70	-39.74	264782.99	530134.52
PLE638	12+56.02	-30.38	264800.85	530150.84
TLE626	12+56.50	-35.37	264802.99	530146.30
TLE539	13+23.15	-35.10	264865.65	530169.00
TLE540	13+23.48	-115.09	264892.90	530093.78
PLE609	13+31.13	-30.06	264871.47	530176.42
PLE610	13+31.44	-105.06	264897.01	530105.90
PLE612	13+51.13	-29.98	264890.27	530183.23
PLE611	13+51.44	-104.98	264915.82	530112.72
TLE542	13+59.15	-35.82	264899.80	530180.44
TLE541	13+59.48	-114.94	264926.74	530106.04
PLE639	14+39.90	-29.61	264973.74	530213.46
ERW865	14+52.23	-29.55	264985.34	530217.66
PLE642	14+55.85	-20.05	264985.54	530227.84
TLE633	14+60.97	-6.57	264985.83	530242.24
PLE640	15+00.58	-42.55	265035.24	530221.70
PLE641	15+03.81	-30.99	265034.39	530233.67
TLE631	15+10.73	-57.54	265049.85	530211.00
TLE632	15+22.03	-21.26	265048.28	530248.97

STATION OFFSET TABLE (STH 42)

POINT	STATION	OFFSET	Y	X
TLE296	99+58.02	33.00	265337.48	527572.97
ERW868	99+68.92	33.00	265334.43	527583.43
TLE297	99+69.77	47.20	265320.55	527580.27
ERW933	100+31.08	-33.00	265380.37	527661.59
ERW867	100+35.04	33.00	265315.90	527646.90
PRW295	100+35.28	37.12	265311.88	527645.98
TLE594	100+35.35	38.22	265310.80	527645.74
PRW293	100+39.95	34.65	265312.94	527651.15
TLE595	100+40.20	35.65	265311.91	527651.11
PRW294	100+56.06	34.65	265308.43	527666.62
PRW301	100+56.06	33.00	265310.01	527667.08
TLE596	100+56.06	35.65	265307.47	527666.34
ERW931	102+48.52	33.00	265256.10	527851.84
ERW866	103+14.53	33.00	265237.60	527915.20
PRW299	103+14.59	39.13	265231.70	527913.54
TLE597	103+17.29	35.00	265234.91	527917.29
PRW298	103+18.60	33.00	265236.46	527919.11
ERW932	103+18.60	-33.00	265299.82	527937.60
TLE598	103+49.11	35.00	265226.00	527947.84
TLE599	103+49.11	33.00	265227.92	527948.40
PLE636	126+19.58	-33.00	264582.05	530060.00
ERW800	126+31.43	-33.00	264582.26	530071.67
TLE586	129+43.00	33.00	264536.33	530385.70
TLE589	129+43.00	60.00	264509.41	530387.71
PLE620	129+63.00	33.00	264537.82	530405.64
PLE623	129+63.00	55.00	264515.88	530407.28
PLE621	129+83.00	33.00	264539.31	530425.59
PLE622	129+83.00	55.00	264517.37	530427.23

COURSE TABLE

POINT	TO POINT	BEARING	DIST.
ERW866	PRW298	S73°43'51"E	4.07'
PRW298	PRW299	S49°26'38"W	7.32'
PRW299	ERW866	N15°40'59"E	6.13'
PRW298	TLE599	S73°43'51"E	30.52'
TLE599	TLE598	S16°16'09"W	2.00'
TLE598	TLE597	N73°43'51"W	31.82'
TLE597	PRW298	N49°26'38"E	2.39'
ERW867	PRW301	S73°43'51"E	21.02'
PRW301	PRW294	S16°16'09"W	1.65'
PRW294	PRW293	N73°43'51"W	16.11'
PRW293	PRW295	S78°19'59"W	5.28'
PRW295	ERW867	N12°50'19"E	4.13'
PRW294	TLE596	S16°16'09"W	1.00'
TLE596	TLE595	N73°43'51"W	15.86'
TLE595	TLE594	S78°19'59"W	5.48'
TLE594	PRW295	N12°50'19"E	1.10'

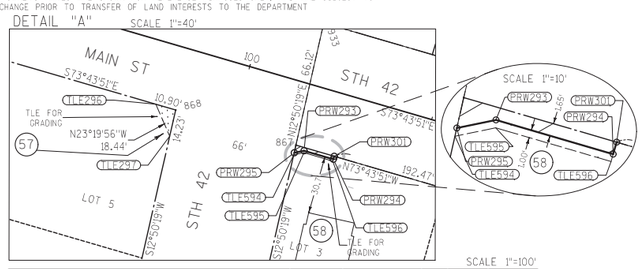
COURSE TABLE NEW RIGHT-OF-WAY

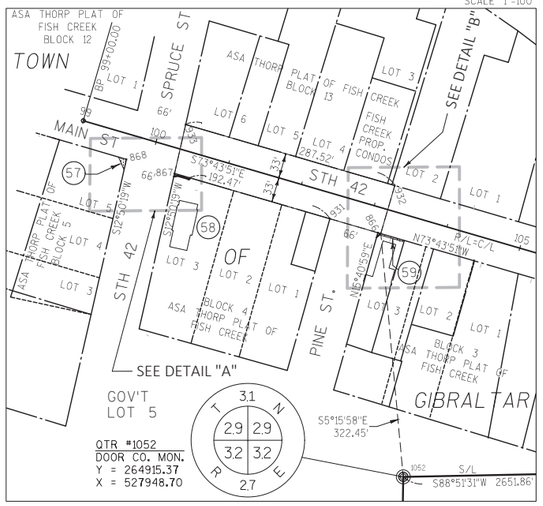
POINT	TO POINT	BEARING	DIST.
PRW298	PRW299	S49°26'38"W	7.32'
PRW299	ERW866	N15°40'59"E	6.13'
ERW866	ERW931	N73°43'51"W	66.00'
ERW931	PRW301	N73°43'51"W	192.47'
PRW301	PRW294	S16°16'09"W	1.65'
PRW294	PRW293	N73°43'51"W	16.11'
PRW293	PRW295	S78°19'59"W	5.28'
PRW295	ERW867	N12°50'19"E	4.13'
ERW867	ERW933	N12°50'19"E	66.12'
ERW933	ERW932	S73°43'51"E	287.52'
ERW932	PRW298	S16°16'09"W	66.00'

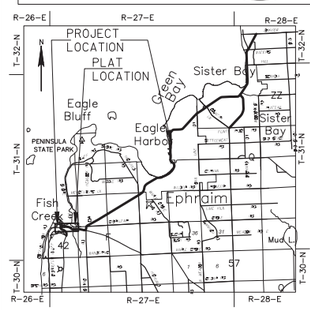
CURVE DATA

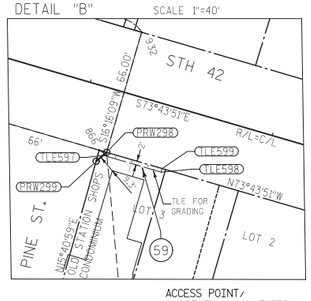
LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

NON COMPENSABLE / COMPENSABLE
POWER POLE
TELEPHONE POLE
TELEPHONE PEDESTAL





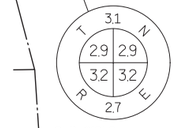




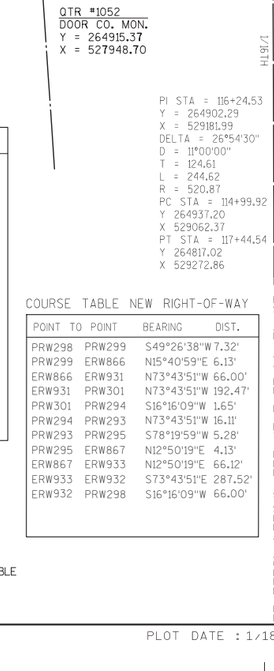
LOCATION SKETCH (NOT TO SCALE)

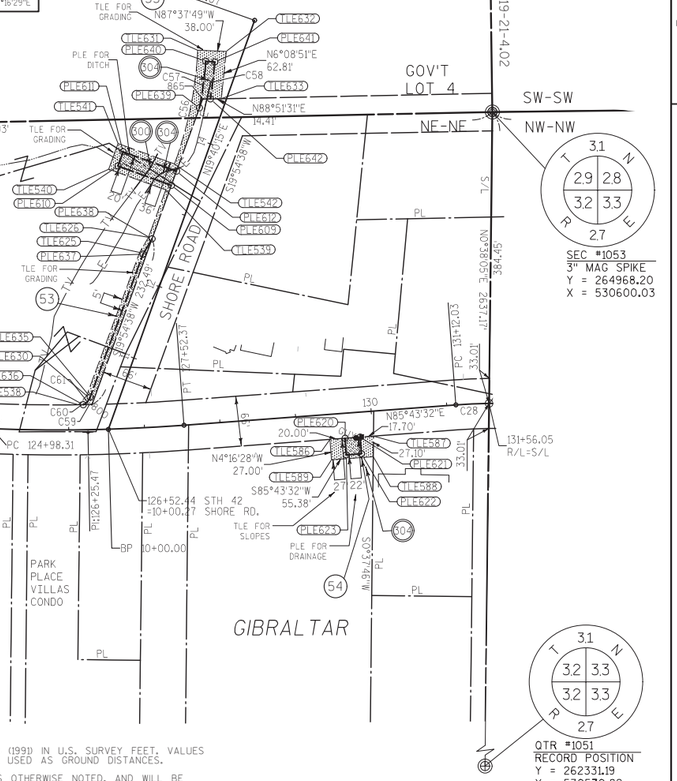
CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE		ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE		ACCESS RESTRICTED (BY AUTHORITY)	AR
QUARTER LINE		ACRES	AC.
SIXTEENTH LINE		AND / OTHERS	ET. AL.
PROPOSED REFERENCE LINE		CENTERLINE	C/L
PROPOSED R/W LINE		CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MEANDER LINE	ML
EXISTING CENTERLINE		MONUMENT	MON.
LOT & TIE LINES		PAGE	P.
WATERMAIN	W	PERMANENT LIMITED EASEMENT	PLE
SANITARY SEWER	SAN	PROPERTY LINE	PL
TELEPHONE	T	RECORDED AS	(100')
ELECTRIC	E	REFERENCE LINE	R/L
FIBER OPTIC	FO	REMAINING	REM.
GAS	G	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	OH	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		SECTION LINE	S/L
ACCESS RESTRICTED (BY AUTHORITY)		SQUARE FEET	SQ.FT.
NO ACCESS		STATION	STA.
FEE (HATCH VARIES)		TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT		VOLUME	V.
PERMANENT LIMITED EASEMENT			
PARCEL NUMBER	(10)		
UTILITY PARCEL NUMBER	(52)		
SIGN NUMBER (OFF PREMISE)	21-1		
BUILDING			
FOUND IRON PIPE/PIN	LP (1" UNLESS NOTED)		
R/W MONUMENT	●(SET)		
R/W STANDARD	▲(SET)		
SIGN	SIGN		
SECTION CORNER SYMBOL			



QTR #1052
DOOR CO. MON.
Y = 264915.37
X = 527948.70





NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT:
TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.18

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

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS 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.

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

RIGHT OF WAY REFERENCE LINE IS NOT THE SAME AS THE CONSTRUCTION REFERENCE LINE.
RIGHT OF WAY REFERENCE LINE MATCHES ALIGNMENT SHOWN ON MONUMENTATION PLAT 4140-21-00.

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

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

WISCONSIN
GARY D. SCHNEIDER S-1297 West Bend Wisconsin
LAND SURVEYOR

SIGNATURE _____ DATE 1/17/2018
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE _____ DATE 1/18/2018
PRINT CURT VAN EREN

FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG
PLOT DATE : 1/18/2018 8:24 AM PLOT BY : RAISA KHAYTINA PLOT NAME : PLOT SCALE : 1.000000000000
APPRAISAL PLAT DATE : _____

4140-19-21 4.01

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.02 AMENDMENT No. 1, AMENDS PARCELS 12 & 13, OF TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.02, RECORDED AS DOCUMENT NO: 806648

PART OF LOT 1 AND OUTLOT 1, OF C.S.M. No. 2272, LOCATED WITHIN VOLUME 13, ON PAGE 310, AS DOCUMENT NO. 701938, PART OF WINDMILL CONDOMINIUM, RECORDED AS DOCUMENT NO. 675830, IN HANGER 238, PART OF FISH CREEK CONDOMINIUM PHASE III, RECORDED AS DOCUMENT NO. 450864, IN HANGER 12, PART OF EAGLE'S NEST CONDOMINIUM, RECORDED AS DOCUMENT NO. 698538, IN HANGER 262, PART OF EAGLE'S NEST CONDOMINIUM II, RECORDED AS DOCUMENT NO. 698450, IN HANGER 263, AND PART OF TOP OF THE HILL CONDOMINIUM, RECORDED AS DOCUMENT NO. 478552, IN HANGER 19, ALL LOCATED IN AND INCLUDING LANDS IN THE NW 1/4 OF THE NW 1/4, AND ALSO LANDS IN THE NE 1/4 OF THE NW 1/4, OF SECTION 33, AND LANDS IN THE SE 1/4 OF THE SW 1/4, OF SECTION 28, ALL IN TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE TOWN OF GIBRALTAR, DOOR COUNTY, WISCONSIN.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.02
AMENDMENT NO:_1_

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 60.50 AND 82.12, WISCONSIN STATUTES, THE TOWN OF GIBRALTAR 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 NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE TOWN FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE TOWN OF GIBRALTAR, PURSUANT TO THE PROVISIONS OF SUBSECTION 60.50 AND 82.12, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED NEW	EXISTING	TOTAL	P.L.E. AREA	T.L.E. AREA
1	JAMES E SIERACKI & LINDA L SIERACKI 1/2 INTEREST AND TIMOTHY E MOORE & MARY LOUISE KANDYBA 1/2 INTEREST	TLE					0.037
2	O'MEARA PROPERTIES, LLC	TLE					0.014
3	TOWN OF GIBRALTAR	TLE					0.031
4	ANNE M KRAUSE, AS TRUSTEE OF THE ANNE M KRAUSE TRUST	TLE					0.024
5	PEERY A & MARY ANN DUDERSTADT	TLE					0.020
6	TOWNSHIP OF GIBRALTAR & JOINT SCHOOL DISTRICT No. 1 OF THE VILLAGE OF EPHRAIM, ETAL	FEE, PLE, TLE	0.135		0.135	0.229	0.157
7	FISH CREEK CONDOMINIUM OWNER'S ASSOCIATION	TLE					0.017
8	EAGLE'S NEST CONDOMINIUM II OWNER'S ASSOCIATION	TLE					0.006
9	EAGLE'S NEST CONDOMINIUM OWNER'S ASSOCIATION	TLE					0.035
10	WINDMILL CONDOMINIUM OWNER'S ASSOCIATION	TLE					0.010
11	TOP OF THE HILL CONDOMINIUM OWNER'S ASSOCIATION	TLE					0.012
12	ARMANDO & SATURNINO JAUREGUI	TLE					0.059
13	PENINSULA ART SCHOOL OF DOOR COUNTY, INC	TLE					0.076
14	DOOR COUNTY YMCA, INC.	FEE, TLE	0.048		0.048		0.086
15	GIBRALTAR SCHOOL DISTRICT	FEE, PLE, TLE	0.001		0.001	0.042	0.450

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

See Vacation Document #814399

See Vacation Document #811713

COURSE TABLE NEW RIGHT-OF-WAY

POINT TO POINT	BEARING	DIST.
SECC1054 BD906	S89°17'12"W	906.87'
BD906 ERW907	S00°42'48"E	33.00'
ERW907 ERW808	S89°17'12"W	289.90'
ERW808 ERW807*	S18°23'57"W	176.40'
ERW807 ERW902	S49°01'54"W	485.95'
ERW902 ERW903	S04°01'54"W	66.94'
ERW903 ERW904	N76°20'21"W	35.42'
ERW904 ERW905	N76°20'05"W	470.86'
ERW905 PRW200	N13°39'55"E	63.98'
PRW200 PRW201	S81°33'54"E	222.29'
PRW201 PRW202	S02°41'00"E	6.00'
PRW202 PRW203*	N45°53'57"E	286.38'
PRW203 PRW204	S85°58'06"E	3.00'
PRW204 PRW216	N08°35'34"E	25.15'
PRW216 PRW205	N04°01'54"E	189.79'
PRW205 PRW207*	N18°38'58"E	214.74'
PRW207 PRW208	S56°43'57"E	4.00'
PRW208 ERW806*	N47°19'54"E	204.83'
ERW806 ERW811	N61°23'45"E	214.63'
ERW811 ERW908	N62°44'15"E	209.44'
ERW908 PRW215	S27°15'45"E	66.00'
PRW215 PRW214	S27°15'45"E	15.00'
PRW214 PRW213	S62°44'15"W	154.74'
PRW213 ERW301	S38°43'29"W	132.63'
ERW901 BD906	S00°42'48"E	93.37'

* INDICATES LCH AND LCB

Curve Table

Curve *	Arc Length	Radius	Delta	LCH	LCB
C1	293.09'	200.55'	83°44'06"	267.70	N45°53'57"E
C2	313.55'	214.55'	83°44'06"	286.38	N45°53'57"E
C3	386.95'	220.40'	100°35'34"	339.13	N54°39'34"E
C4	135.99'	439.45'	17°43'51"	135.45	N12°53'49"E
C5	217.09'	425.45'	29°14'09"	214.74	S38°38'58"W
C6	207.29'	421.45'	28°10'52"	205.21	S38°07'20"W
C7	216.72'	489.45'	25°22'12"	214.96	S45°57'09"W
C8	137.79'	421.45'	18°43'57"	137.18	S42°38'01"W
C9	71.41'	435.45'	9°23'46"	71.33	S56°41'53"W
C10	69.11'	421.45'	9°23'46"	69.04	S56°41'53"W
C14	161.49'	347.45'	26°37'49"	160.04	N20°19'42"E
C32	50.44'	435.45'	6°38'15"	50.42	S55°19'07"W
C37	178.26'	355.45'	28°44'06"	176.40	S38°23'57"W
C51	28.15'	200.55'	8°02'29"	28.12	N83°44'46"E
C52	69.50'	437.45'	9°06'12"	69.43	N26°18'51"E
C54	206.90'	421.45'	28°07'43"	204.83	S47°19'54"W

COURSE TABLE (PLE)

POINT TO POINT	BEARING	DIST.
PRW202 PLE600	N02°14'00"W	14.00'
PLE600 PLE601*	N45°53'57"E	267.70'
PLE601 PLE602	S85°58'06"E	5.00'
PLE602 PLE603	N04°01'54"E	214.86'
PLE603 PLE613*	N12°53'49"E	135.45'
PLE613 PLE615	S68°14'15"E	2.00'
PLE615 PLE604*	N27°30'54"E	87.69'
PLE604 PRW207	S56°43'57"E	12.00'
PRW207 PRW205*	S18°38'58"W	214.74'
PRW205 PRW216	S04°01'54"W	189.79'
PRW216 PRW204	S08°35'34"W	25.15'
PRW204 PRW203	N85°58'06"W	5.00'
PRW203 PRW202*	S45°53'57"W	286.38'
PLE605 PLE606	N38°00'00"W	14.00'
PLE606 PLE619*	N56°41'53"E	71.33'
PLE619 PLE607	N61°23'45"E	48.30'
PLE607 PLE608	S28°36'15"E	14.00'
PLE608 ERW806	S61°23'45"W	48.30'
ERW806 PLE605*	S56°41'53"W	69.04'

* INDICATES LCH AND LCB

R/L Curve Table

Curve *	L	R	Delta	LCH	LCB
C50	192.20'	716.20'	15°22'34"	191.62	N83°03'55"W

(301) 20' SANITARY SEWER EASEMENT DOC. 453487

(302) FISH CREEK SANITARY DISTRICT NO. 1 DOC. 453479 PARCEL 6 & 15 DOC. 453487 PARCEL 5

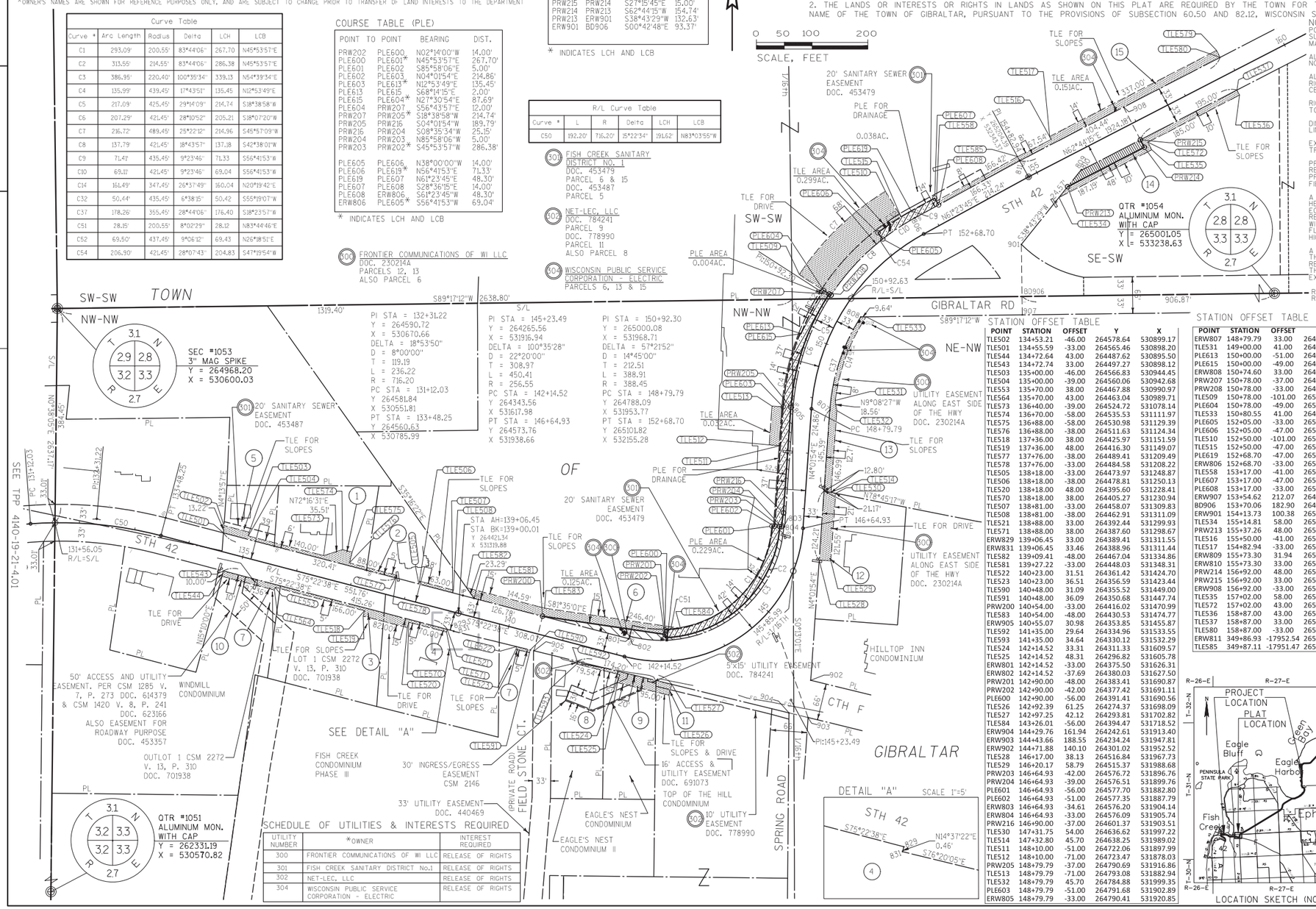
(303) NET-LEC, LLC DOC. 784241 PARCEL 9 DOC. 778990 PARCEL 11 ALSO PARCEL 8

(304) WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC PARCELS 6, 13 & 15

(305) FRONTIER COMMUNICATIONS OF WI LLC DOC. 230214A PARCELS 12, 13 ALSO PARCEL 6

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	*OWNER	INTEREST REQUIRED
300	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
301	FISH CREEK SANITARY DISTRICT No.1	RELEASE OF RIGHTS
302	NET-LEC, LLC	RELEASE OF RIGHTS
304	WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC	RELEASE OF RIGHTS



STATION OFFSET TABLE

POINT	STATION	OFFSET	Y	X
TLE502	134+53.21	-46.00	264578.64	530899.17
TLE501	134+55.59	-33.00	264565.46	530898.20
TLE544	134+72.64	43.00	264487.62	530895.50
TLE543	134+72.74	33.00	264497.27	530898.12
TLE503	135+00.00	-46.00	264566.83	530944.45
TLE504	135+00.00	-39.00	264560.06	530942.68
TLE553	135+70.00	38.00	264467.88	530990.97
TLE564	135+70.00	43.00	264463.04	530989.71
TLE573	136+40.00	-39.00	264524.72	531078.14
TLE574	136+70.00	-58.00	264535.53	531111.97
TLE575	136+88.00	-58.00	264530.98	531129.39
TLE576	136+88.00	-38.00	264551.63	531124.34
TLE518	137+36.00	38.00	264425.97	531151.59
TLE519	137+36.00	48.00	264416.30	531149.07
TLE577	137+76.00	-38.00	264489.41	531209.49
TLE578	137+76.00	-33.00	264484.58	531208.22
TLE505	138+18.00	-33.00	264473.97	531248.87
TLE506	138+18.00	-38.00	264478.81	531250.13
TLE520	138+18.00	48.00	264395.60	531228.41
TLE570	138+18.00	38.00	264405.27	531230.94
TLE507	138+81.00	-33.00	264458.07	531309.83
TLE508	138+81.00	-38.00	264462.91	531311.09
TLE521	138+88.00	33.00	264392.44	531299.93
TLE571	138+88.00	38.00	264387.60	531298.67
ERW829	139+06.45	33.00	264389.41	531311.55
ERW831	139+06.45	33.46	264388.96	531311.44
TLE582	139+09.41	-48.00	264467.04	531334.86
TLE581	139+27.22	-33.00	264448.03	531348.31
TLE522	140+23.00	31.51	264361.42	531424.70
TLE523	140+23.00	36.51	264356.59	531423.44
TLE590	140+48.00	31.09	264355.52	531449.00
TLE591	140+48.00	36.09	264350.68	531447.74
PRW200	140+54.00	-33.00	264416.02	531470.99
TLE583	140+54.00	-48.00	264430.53	531474.77
ERW905	140+55.07	30.98	264353.85	531455.87
TLE592	141+35.00	29.64	264334.96	531533.55
TLE593	141+35.00	34.64	264330.12	531532.29
TLE524	142+14.52	33.31	264311.33	531609.57
TLE525	142+14.52	48.31	264296.82	531605.78
ERW801	142+14.52	-33.00	264375.50	531626.31
ERW802	142+14.52	-37.69	264380.03	531627.50
PRW201	142+90.00	-48.00	264383.41	531690.87
PRW202	142+90.00	-42.00	264377.42	531691.11
PLE600	142+90.00	-56.00	264391.41	531690.56
TLE526	142+92.39	61.25	264274.37	531698.09
TLE527	142+97.25	42.12	264293.81	531702.82
TLE584	143+26.01	-56.00	264394.47	531718.52
ERW904	144+29.76	161.94	264242.61	531913.40
ERW903	144+43.66	188.55	264234.24	531947.81
ERW902	144+71.88	140.10	264301.02	531952.52
TLE528	146+17.00	38.13	264516.84	531967.73
TLE529	146+20.17	58.79	264515.37	531988.68
PRW203	146+64.93	-42.00	264576.72	531896.76
PRW204	146+64.93	-39.00	264576.51	531899.76
PLE601	146+64.93	-56.00	264577.70	531882.80
PLE602	146+64.93	-51.00	264577.35	531887.79
ERW803	146+64.93	-34.61	264576.20	531904.14
ERW804	146+64.93	-33.00	264576.09	531905.74
PRW216	146+90.00	-37.00	264601.37	531903.51
TLE530	147+31.75	54.00	264636.62	531997.22
TLE514	147+32.80	45.70	264638.25	531989.02
TLE511	148+10.00	-51.00	264722.06	531897.99
TLE512	148+10.00	-71.00	264723.47	531878.03
PRW205	148+79.79	-37.00	264790.69	531916.86
TLE513	148+79.79	-71.00	264793.08	531882.94
TLE532	148+79.79	45.70	264784.88	531999.35
PLE603	148+79.79	-51.00	264791.68	531902.89
ERW805	148+79.79	-33.00	264790.41	531920.85

STATION OFFSET TABLE

POINT	STATION	OFFSET	Y	X
ERW807	148+79.79	33.00	264785.77	531986.68
TLE531	149+00.00	41.00	264803.20	531996.40
PLE613	150+00.00	-51.00	264923.71	531933.12
PLE615	150+00.00	-49.00	264922.97	531934.98
ERW808	150+74.60	33.00	264953.15	532042.36
PRW207	150+78.00	-37.00	264994.16	531985.53
PRW208	150+78.00	-33.00	264991.96	531988.87
TLE509	150+78.00	-101.00	265029.27	531932.02
PLE604	150+78.00	-49.00	265000.74	531975.49
TLE533	150+80.55	41.00	264953.27	532052.00
PLE605	152+05.00	-33.00	265092.88	532081.78
PLE606	152+05.00	-47.00	265103.92	532073.16
TLE510	152+50.00	-101.00	265178.71	532086.52
TLE515	152+50.00	-47.00	265132.60	532114.62
PLE619	152+68.70	-47.00	265143.08	532132.78
ERW806	152+68.70	-33.00	265130.79	532139.48
TLE558	153+17.00	-41.00	265160.94	532178.06
PLE607	153+17.00	-47.00	265166.20	532175.18
PLE608	153+17.00	-33.00	265153.91	532181.89
ERW907	153+54.62	212.07	264956.76	532332.24
BD906	153+70.06	182.90	264989.76	532331.83
ERW901	154+13.73	100.38	265083.12	532330.67
TLE534	155+14.81	58.00	265167.43	532398.27
PRW213	155+37.26	48.00	265186.60	532413.64
TLE516	155+50.00	-41.00	265271.55	532384.20
TLE517	154+82.94	-33.00	265276.88	532381.45
ERW809	155+73.30	31.94	265217.39	532438.33
ERW810	155+73.30	33.00	265216.44	532438.81
PRW214	156+92.00	48.00	265257.48	532551.20
PRW215	156+92.00	33.00	265270.81	532544.32
ERW908	156+92.00	-33.00	265329.48	532514.09
TLE535	157+02.00	58.00	265253.17	532564.67
TLE572	157+02.00	43.00	265266.51	532557.79
TLE536	158+87.00	43.00	265351.25	532722.24
TLE537	158+87.00	33.00	265360.14	532717.66
TLE580	158+87.00	-33.00	265418.81	532687.43
ERW811	349+86.93	-17952.54	265233.54	532327.91
TLE585	349+87.11	-17951.47	265240.61	532324.17

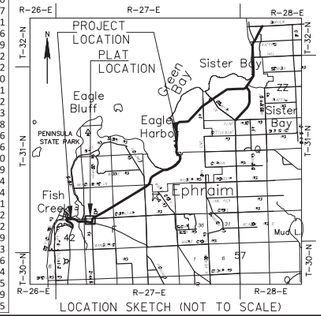
CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE	——·——	ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE	———	ACCESS RIGHTS	AR
QUARTER LINE	———	ACRES	AC.
SIXTEENTH LINE	———	AND OTHERS	ET.AL.
PROPOSED REFERENCE LINE	———	CENTERLINE	C/L
PROPOSED R/W LINE	—— ——	CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE	—— ——	DOCUMENT	DOC.
PROPERTY LINE	——·——	HIGHWAY EASEMENT	H.E.
EASEMENT LINE	——·——	LAND CONTRACT	LC
CORPORATE LIMITS	//////////	MEANDER LINE	ML
EXISTING CENTERLINE	——·——	MONUMENT	MON.
LOT & TIE LINES	------	PAGE	P.
WATERMAIN	——W——	PERMANENT LIMITED ESEMENT	PLE
SANITARY SEWER	——SAN——	PROPERTY LINE	PL
TELEPHONE	——T——	RECORDED AS	(100')
ELECTRIC	——E——	REFERENCE LINE	R/L
FIBER OPTIC	——FO——	REMAINING	REM.
GAS	——G——	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	——OH——	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)	◆◆◆◆◆◆◆	SECTION LINE	S/L
ACCESS RESTRICTED (BY ACQUISITION)	|||||||	SQUARE FEET	SQ.FT.
NO ACCESS (BY STATUTORY AUTHORITY)	●●●●●●●	STATION	STA.
FEE (HATCH VARIES)	//////	TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT	TLE (2)	VOLUME	V.
PERMANENT LIMITED EASEMENT	PLE (2)		
PARCEL NUMBER	(10)		
UTILITY PARCEL NUMBER	(12)		
SIGN NUMBER (OFF PREMISE)	(21-1)		
BUILDING			
FOUND IRON PIPE/PIN	I.P (1" UNLESS NOTED)		
R/W MONUMENT	○ ●(SET)		
R/W STANDARD	△ ▲(SET)		
SIGN	SIGN		
SECTION CORNER SYMBOL	(SEC. COR.) N.T.S.		

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE	○	●
TELEPHONE POLE	○	●
TELEPHONE PEDESTAL	⊠	⊠



KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

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

WISCONSIN GARY D. SCHNEIDER S-1297 West Bend Wisconsin LAND SURVEYOR

SIGNATURE _____ DATE 11/07/2017
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE TOWN OF GIBRALTAR.

SIGNATURE _____ DATE _____
PRINT _____

256

FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 11/7/2017 4:26 PM
PLOT BY : RAISA KHAYTINA
PLOT NAME :
PLOT SCALE : **********

4140-19-21 4.02

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

DOC #: 811713
RECORDED ON:
03/02/2018 10:59:06 AM
CAREY PETERSILKA
REGISTER OF DEEDS
DOOR COUNTY, WI
FEE AMOUNT PAID: 30.00

This space is reserved for recording data

Return to

WisDOT
944 Vanderperren Way
Green Bay WI 54304

Parcel Identification Number/Tax Key Number

014-0233312722N1

This Vacation Order applies to Transportation Project Plat 4140-19-21-4.02, recorded on August 03, 2017 as Document Number 806648 in the Office of the Register of Deeds for Door County.

Whereas, parcel 3 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said parcel is vacated and rescinded.

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Greg Belanger
(Signature)

Greg Belanger
(Print Name)

Right of Way Plat Coordinator
(Title)

2/22/2018
(Date – m/d/yyyy)

(Seal) CURTIS D. VANEREM NOTARY PUBLIC STATE OF WISCONSIN

State of Wisconsin
Brown County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x Curtis D. VanErem
(Signature, Notary Public, State of Wisconsin)

Curtis D. VanErem
(Print or Type Name, Notary Public, State of Wisconsin)

11/29/19
(Date Commission Expires)

Project ID 4140-19-21 This instrument was drafted by Greg Belanger

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

8 0 1 9 5 9 2
Tx:4010559

DOC #: 814399
RECORDED ON:
06/28/2018 11:02:55 AM
CAREY PETERSILKA
REGISTER OF DEEDS
DOOR COUNTY, WI
FEE AMOUNT PAID: 30.00

This Vacation Order applies to Transportation Project Plat 4140-19-21-4.02, recorded on August 03, 2017 as Document Number 806648 in the Office of the Register of Deeds for Door County.

Whereas, parcel 1 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said parcel is vacated and rescinded.

This space is reserved for recording data

Return to
Wisconsin Dept of Transportation
944 Vanderperren Way
Green Bay WI 54304

Parcel Identification Number/Tax Key Number
014-0233312722J

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Greg Belanger
(Signature)

6-25-2018
(Date – m/d/yyyy)

Greg Belanger
(Print Name)

Right of Way Plat Coordinator
(Title)

State of Wisconsin
BROWN County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x Kent L Gross
(Signature, Notary Public, State of Wisconsin)

KENT L. GROSS
(Print or Type Name, Notary Public, State of Wisconsin)

12-21-2018
(Date Commission Expires)

KENT L. GROSS NOTARY PUBLIC STATE OF WISCONSIN

(Seal)

Project ID 4140-19-21

This instrument was drafted by Greg Belanger

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.02

PART OF LOT 1 AND OUTLOT 1, OF C.S.M. No. 2272, LOCATED WITHIN VOLUME 13, ON PAGE 310, AS DOCUMENT NO. 701938, PART OF WINDMILL CONDOMINIUM, RECORDED AS DOCUMENT NO. 675830, IN HANGER 238, PART OF FISH CREEK CONDOMINIUM PHASE III, RECORDED AS DOCUMENT NO. 450864, IN HANGER 12, PART OF EAGLE'S NEST CONDOMINIUM, RECORDED AS DOCUMENT NO. 698538, IN HANGER 262, PART OF EAGLE'S NEST CONDOMINIUM II, RECORDED AS DOCUMENT NO. 698450, IN HANGER 263, AND PART OF TOP OF THE HILL CONDOMINIUM, RECORDED AS DOCUMENT NO. 478552, IN HANGER 19, ALL LOCATED IN AND INCLUDING LANDS IN THE NW 1/4 OF THE NW 1/4, AND ALSO LANDS IN THE NE 1/4 OF THE NW 1/4, OF SECTION 33, AND LANDS IN THE SE 1/4 OF THE SW 1/4, OF SECTION 28, ALL IN TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE TOWN OF GIBRALTAR, DOOR COUNTY, WISCONSIN.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.02
AMENDMENT NO:___

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 60.50 AND 82.12, WISCONSIN STATUTES, THE TOWN OF GIBRALTAR 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 NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE TOWN FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE TOWN OF GIBRALTAR, PURSUANT TO THE PROVISIONS OF SUBSECTION 60.50 AND 82.12, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED NEW	EXISTING	TOTAL	P.L.E. AREA	T.L.E. AREA
1	JAMES E SIERACKI & LINDA L SIERACKI 1/2 INTEREST AND TIMOTHY E MOORE & MARY LOUISE KANDYBA 1/2 INTEREST	TLE					0.037
2	O'MEARA PROPERTIES, LLC	TLE					0.014
3	TOWN OF GIBRALTAR	TLE					0.031
4	ANNE M KRAUSE, AS TRUSTEE OF THE ANNE M KRAUSE TRUST	TLE					0.024
5	PEERY A & MARY ANN DUDERSTADT	TLE					0.020
6	TOWNSHIP OF GIBRALTAR & JOINT SCHOOL DISTRICT No. 1 OF THE VILLAGE OF EPHRAIM, ETAL	FEE, PLE, TLE	0.135		0.135	0.229	0.157
7	FISH CREEK CONDOMINIUM OWNER'S ASSOCIATION	TLE					0.017
8	EAGLE'S NEST CONDOMINIUM II OWNER'S ASSOCIATION	TLE					0.006
9	EAGLE'S NEST CONDOMINIUM OWNER'S ASSOCIATION	TLE					0.035
10	WINDMILL CONDOMINIUM OWNER'S ASSOCIATION	TLE					0.010
11	TOP OF THE HILL CONDOMINIUM OWNER'S ASSOCIATION	TLE					0.012
12	ARMANDO & SATURNINO JAUREGUI	FEE, TLE	0.003		0.003		0.056
13	PENINSULA ART SCHOOL OF DOOR COUNTY, INC	FEE, TLE	0.009		0.009		0.128
14	DOOR COUNTY YMCA, INC.	FEE, TLE	0.048		0.048		0.086
15	GIBRALTAR SCHOOL DISTRICT	FEE, PLE, TLE	0.001		0.001	0.042	0.450

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

See Vacation Document #814399

See Vacation Document #811713

COURSE TABLE NEW RIGHT-OF-WAY

POINT TO POINT		BEARING	DIST.
SECC1054	BD906	S89°17'12"W	906.87'
BD906	ERW907	S00°42'48"E	33.00'
ERW907	ERW808	S89°17'12"W	289.90'
ERW808	PRW212*	S22°41'31"W	124.36'
PRW212	PRW206	S77°22'57"E	2.00'
PRW206	PRW211*	S08°19'28"W	52.92'
PRW211	PRW210	S04°01'54"W	214.86'
PRW210	PRW209	N85°58'06"W	2.00'
PRW209	ERW902	S04°01'54"W	271.10'
ERW902	ERW903	S04°01'54"W	66.94'
ERW903	ERW904	N76°20'21"W	35.42'
ERW904	ERW905	N76°20'05"W	470.86'
ERW905	PRW200	N13°39'55"E	63.98'
PRW200	PRW201	S81°33'54"E	222.29'
PRW201	PRW202	S02°14'00"E	6.00'
PRW202	PRW203*	N45°53'57"E	286.38'
PRW203	PRW204	S85°58'06"E	3.00'
PRW204	PRW216	N08°56'34"E	26.15'
PRW216	PRW205	N04°01'54"E	189.79'
PRW205	PRW207*	N18°38'58"E	214.74'
PRW207	PRW208	S56°43'57"E	4.00'
PRW208	ERW806*	N47°19'54"E	204.83'
ERW806	ERW811	N61°23'45"E	214.63'
ERW811	ERW908	N62°44'15"E	209.44'
ERW908	PRW215	S27°15'45"E	66.00'
PRW215	PRW214	S27°15'45"E	15.00'
PRW214	PRW213	S62°44'15"W	154.74'
PRW213	ERW901	S38°43'29"W	132.63'
ERW901	BD906	S00°42'48"E	93.37'

* INDICATES LCH AND LCB

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	*OWNER	INTEREST REQUIRED
300	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
301	FISH CREEK SANITARY DISTRICT No.1	RELEASE OF RIGHTS
302	NET-LEC, LLC	RELEASE OF RIGHTS
304	WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC	RELEASE OF RIGHTS

Curve Table

Curve #	Arc Length	Radius	Delta	LCH	LCB
C1	293.09'	200.55'	83°44'06"	267.70	N45°53'57"E
C2	313.55'	214.55'	83°44'06"	286.38	N45°53'57"E
C3	386.95'	220.40'	100°35'34"	339.13	N54°39'34"E
C4	135.99'	439.45'	17°43'51"	135.45	N12°53'49"E
C5	217.09'	425.45'	29°14'09"	214.74	S18°38'58"W
C6	207.29'	421.45'	28°10'52"	205.21	S18°07'20"W
C7	216.72'	489.45'	25°22'12"	214.96	S45°57'09"W
C8	137.79'	421.45'	18°43'57"	137.18	S42°38'01"W
C9	71.41'	435.45'	9°23'46"	71.33	S56°41'53"W
C10	69.11'	421.45'	9°23'46"	69.04	S56°41'53"W
C11	53.26'	355.45'	8°35'09"	53.21	S8°19'28"W
C12	52.96'	353.45'	8°35'09"	52.92	N8°19'28"E
C14	180.93'	339.45'	30°32'25"	178.80	S19°38'06"W
C15	125.00'	355.45'	20°08'57"	124.36	N22°41'31"E
C32	50.44'	435.45'	6°38'15"	50.42	S55°19'07"W
C51	28.15'	200.55'	8°02'29"	28.12	N83°44'46"E
C52	69.50'	437.45'	9°06'12"	69.43	N26°18'51"E
C54	206.90'	421.45'	28°07'43"	204.83	S47°19'54"W

COURSE TABLE (PLE)

POINT TO POINT		BEARING	DIST.
PRW202	PLE600	N02°14'00"W	14.00'
PLE600	PLE601*	N45°53'57"E	267.70'
PLE601	PLE602	S85°58'06"E	5.00'
PLE602	PLE603	N04°01'54"E	214.86'
PLE603	PLE613*	N12°53'49"E	135.45'
PLE613	PLE615	S68°14'15"E	2.00'
PLE615	PLE604*	N27°30'54"E	87.69'
PLE604	PRW207	S56°43'57"E	12.00'
PRW207	PRW205*	S18°38'58"W	214.74'
PRW205	PRW216	S04°01'54"W	189.79'
PRW216	PRW204	S08°35'34"W	25.15'
PRW204	PRW203	N85°58'06"W	5.00'
PRW203	PRW202*	S45°53'57"W	286.38'
PLE605	PLE606	N38°00'00"W	14.00'
PLE606	PLE619*	N56°41'53"E	71.33'
PLE619	PLE607	N61°23'45"E	48.30'
PLE607	PLE608	S28°36'15"E	14.00'
PLE608	ERW806	S61°23'45"W	48.30'
ERW806	PLE605*	S56°41'53"W	69.04'

* INDICATES LCH AND LCB

R/L Curve Table

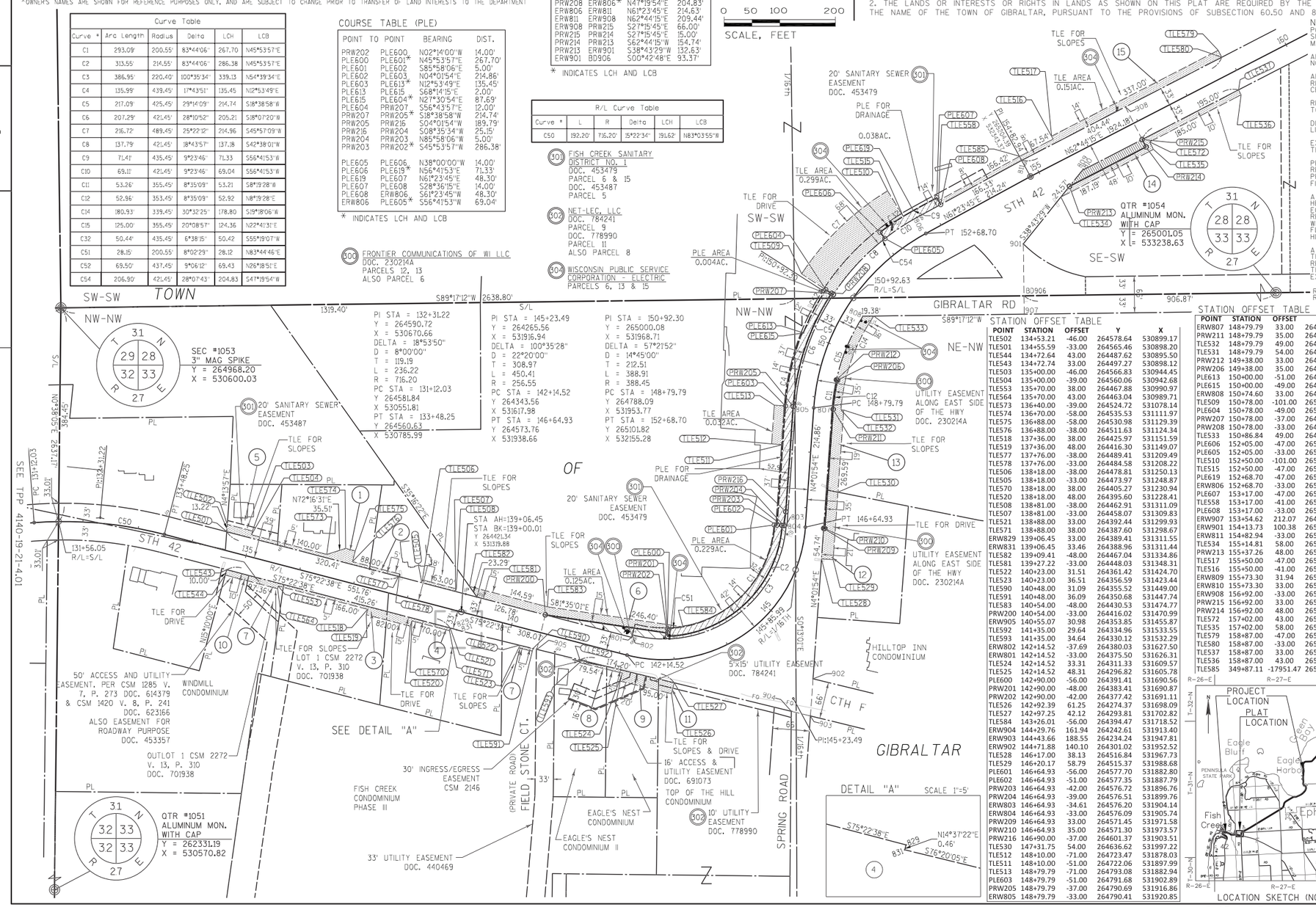
Curve *	L	R	Delta	LCH	LCB
C50	192.20'	716.20'	15°22'34"	191.62	N83°03'55"W

(301) FISH CREEK SANITARY DISTRICT NO. 1
DOC. 453479
PARCEL 6 & 15
DOC. 453487
PARCEL 5

(302) NET-LEC, LLC
DOC. 784241
PARCEL 9
DOC. 778990
PARCEL 11
ALSO PARCEL 8

(304) WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
PARCELS 6, 13 & 15

(300) FRONTIER COMMUNICATIONS OF WI LLC
DOC. 230214A
PARCELS 12, 13
ALSO PARCEL 6


SCALE, FEET
0 50 100 200
GN
SW-SW
TOWN
NW-NW
SEC #1053
3" MAG SPIKE
Y = 264968.20
X = 530600.03
S89°17'12"W 2638.80'
1319.40'
S/L
PI STA = 132+31.22
Y = 264590.72
X = 530670.66
DELTA = 18°53'50"
D = 8°00'00"
T = 119.19
L = 236.22
R = 716.20
PC STA = 131+12.03
Y 264581.84
X 530551.81
PT STA = 133+48.25
Y 264560.63
X 530785.99
PI STA = 145+23.49
Y = 265000.08
X = 531968.71
DELTA = 100°35'28"
D = 22°20'00"
T = 308.97
L = 450.41
R = 256.55
PC STA = 142+14.52
Y 264343.56
X 531617.98
PT STA = 146+64.93
Y 264573.76
X 531938.66
PI STA = 150+92.30
Y = 265000.08
X = 531968.71
DELTA = 57°21'52"
D = 14°45'00"
T = 212.51
L = 388.91
R = 388.45
PC STA = 148+79.79
Y 264788.09
X 531953.77
PT STA = 152+68.70
Y 265101.82
X 532155.28
SEE TPP 4140-19-21-4.01
131+56.05 R/L=S/L
PC 131+12.03
PI=132+31.22
33.00'
N89°17'12"E 283.17'
N0°36'05"W 398.45'
20' SANITARY SEWER EASEMENT DOC. 453487
TLE FOR SLOPES
STH 42
C50
R/L=S/L
131+12.03
PL
S/L
TLE FOR DRIVE
50' ACCESS AND UTILITY EASEMENT, PER CSM 1285 V. 7, P. 273 DOC. 614379 & CSM 1420 V. 8, P. 241 DOC. 623166 ALSO EASEMENT FOR ROADWAY PURPOSE DOC. 453357
OUTLOT 1 CSM 2272 V. 13, P. 310 DOC. 701938
WINDMILL CONDOMINIUM
TLE FOR SLOPES
LOT 1 CSM 2272 V. 13, P. 310 DOC. 701938
SEE DETAIL "A"
30' INGRESS/EGRESS EASEMENT CSM 2146
FISH CREEK CONDOMINIUM PHASE III
33' UTILITY EASEMENT DOC. 440469
EAGLE'S NEST CONDOMINIUM
EAGLE'S NEST CONDOMINIUM II
(PRIVATE ROAD) FIELD STONE CT.
SPRING ROAD
TLE FOR SLOPES & DRIVE
16' ACCESS & UTILITY EASEMENT DOC. 691073
TOP OF THE HILL CONDOMINIUM
10' UTILITY EASEMENT DOC. 778990
PI=145+23.49
CTH F
GIBRALTAR
HILLTOP INN CONDOMINIUM
5'x15' UTILITY EASEMENT DOC. 784241
PC 142+14.52
PT 152+68.70
150+92.63
R/L=S/L
PLE AREA 0.004AC.
TLE AREA 0.299AC.
TLE FOR DRIVE SW-SW
PLE AREA 0.229AC.
TLE AREA 0.032AC.
TLE FOR SLOPES
PLE FOR DRAINAGE
TLE AREA 0.125AC.
20' SANITARY SEWER EASEMENT DOC. 453479
TLE FOR SLOPES
TLE FOR DRIVE
TLE AREA 0.038AC.
20' SANITARY SEWER EASEMENT DOC. 453479
PLE FOR DRAINAGE
TLE FOR SLOPES
TLE AREA 0.151AC.
TLE FOR SLOPES
TLE FOR SLOPES
UTILITY EASEMENT ALONG EAST SIDE OF THE HWY DOC. 230214A
UTILITY EASEMENT ALONG EAST SIDE OF THE HWY DOC. 230214A
TLE FOR DRIVE
TLE FOR SLOPES
STH 42
NW-NW
NE-SW
SE-SW
QTR #1054
ALUMINUM MON. WITH CAP
Y = 265001.05
X = 533238.63
906.87'
BD906
ERW907
GIBRALTAR RD
S89°17'12"W
STA AH=139+06.45
STA BK=139+00.01
Y 264421.34
X 531319.88
STA AH=139+06.45
STA BK=139+00.01
Y 264421.34
X 531319.88
N72°16'31"E 35.51'
N14°13'57"E
S75°22'38"E 551.76'
S75°22'38"E 415.26'
S75°22'38"E 308.07'
N55°00'00"E
N61°23'45"E 82.00'
N28°36'15"W 170.00'
N61°23'45"E 166.00'
S28°36'15"E 140.00'
S61°23'45"W 320.41'
S28°36'15"E 88.00'
S61°23'45"W 163.00'
S28°36'15"E 135.00'
S61°23'45"W 135.00'
S28°36'15"E 140.00'
S61°23'45"W 140.00'
S28°36'15"E 135.00'
S61°23'45"W 135.00'
N28°36'15"W 140.00'
N61°23'45"E 140.00'
N28°36'15"W 135.00'
N61°23'45"E

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

DOC #: 811714
RECORDED ON:
03/02/2018 10:59:06 AM
CAREY PETERSILKA
REGISTER OF DEEDS
DOOR COUNTY, WI
FEE AMOUNT PAID: 30.00

This space is reserved for recording data

Return to

WisDOT
944 Vanderperren Way
Green Bay WI 54304

Parcel Identification Number/Tax Key Number

121240035B

This Vacation Order applies to Transportation Project Plat 4140-19-21-4.03, recorded on June 16, 2017 as Document Number 805370 in the Office of the Register of Deeds for Door County.

Whereas, parcel 32 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said parcel is vacated and rescinded.

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Greg Belanger
(Signature)

2/22/2018
(Date – m/d/yyyy)

Greg Belanger
(Print Name)

Right of Way Plat Coordinator
(Title)

(Seal)

State of Wisconsin
Brown County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x Curtis D. VanErem
(Signature, Notary Public, State of Wisconsin)

Curtis D. VanErem
(Print or Type Name, Notary Public, State of Wisconsin)

11/29/19
(Date Commission Expires)

Project ID 4140-19-21

This instrument was drafted by Greg Belanger

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.03

PART OF LOTS 25, 26 AND 30, OF BLOCK L, AND PART OF LOTS 31, 32 AND 34, OF BLOCK M, OF THE ORIGINAL PLAT OF EPHRAIM, LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 1, AND PART OF GOVERNMENT LOT 2, ALL IN SECTION 24, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.03
AMENDMENT NO:___

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED NEW	EXISTING	TOTAL	T.L.E. AREA
16	EVERGREEN BEACH REAL ESTATE, LLC	FEE	0.002		0.002	
17	PAUL & MARIANNE ROPPULD	FEE	0.012		0.012	
18	PATRICIA W FESS AS TRUSTEE OF THE PATRICIA W FESS TRUST	FEE	0.060		0.060	
19	JOHN T MURPHY AS TRUSTEE OF THE JOHN T & AMY E MURPHY TRUST	FEE	0.028		0.028	
21	VILLAGE OF EPHRAIM	FEE	0.030		0.030	
23	VILLAGE OF EPHRAIM	FEE	0.004		0.004	
24	VILLAGE OF EPHRAIM & CHRISTOFFERSON DOCK, LLC. 1/99th INTEREST	FEE, TLE	0.003		0.003	0.010
26	VILLAGE OF EPHRAIM	FEE, TLE	0.042	0.011	0.053	0.027
27	NELSON SOUTH SHORE PIER, LLC	TLE				0.015
29	THE HILLSIDE OF EPHRAIM, LLC	FEE	0.023		0.023	
31	ROY A & DIANE M ELQUIST	FEE, TLE	0.001		0.001	0.004
32	TIMOTHY & NANCY A. CHRISTOFFERSON	TLE				0.008

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

See Vacation Document #811714

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	*OWNER	INTEREST REQUIRED
300	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
304	WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC	RELEASE OF RIGHTS

(300) FRONTIER COMMUNICATIONS OF WI LLC
DOC. 260442
PARCELS 17, 18

(304) WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
PARCEL 18

GN

0 50 100 200
SCALE, FEET

MEAN #1066 ALUMINUM MON. WITH CAP
Y = 275867.15
X = 546817.92

QTR #1067 ALUMINUM MON. WITH CAP
Y = 275849.49
X = 549069.63

SEE DETAIL "A"
SEE TPP 4140-19-21-4.04

CHURCH ST./CTH Q
N89°33'02"W 2251.78'
GOV'T LOT 4
GOV'T LOT 1
VILLAGE OF EPHRAIM
BLOCK M
ORIGINAL PLAT OF EPHRAIM
LOT 32
LOT 33
LOT 34

R/L Curve Table					
Curve #	L	R	Delta	LCH	LCB
C44	19.60'	442.00'	2°32'29"	19.60'	S19°39'31"E

STORM SEWER EASEMENT TO GRANTOR, LOCATION UNKNOWN. DOC. 454238

STORM SEWER MAINTENANCE AGREEMENT WITH VILLAGE OF EPHRAIM DOC. 454872 AFFECTS PARCELS 27, 31 & 32

PI STA = 353+03.19
Y = 275975.77
X = 546797.85
DELTA = 34°15'45"
D = 12°57'46"
T = 136.24
L = 264.31
R = 442.00
PC STA = 351+66.95
Y 275848.52
X 546846.52
PT STA = 354+31.26
Y 276108.34
X 546829.27

COMMON OWNERSHIP PLUMBING SYSTEM INSPECTION AND ENFORCEMENT EASEMENT DOC. 457887 AFFECTS PARCELS 27 & 31

PI STA = 349+65.11
Y = 275651.04
X = 546922.05
DELTA = 36°29'09"
D = 13°23'14"
T = 141.07
L = 272.54
R = 427.99
PC STA = 348+24.05
Y 275575.06
X 547040.91
PT STA = 350+96.59
Y 275782.80
X 546871.65

DETAIL "A" SCALE 1"=40'

DETAIL "B" SCALE 1"=50'

DETAIL "C" SCALE 1"=50'

DETAIL "D" SCALE 1"=50'

SEE DETAIL "B"
SEE DETAIL "C"
SEE DETAIL "D"

TLE FOR STORM SEWER CONSTRUCTION AND GRAIDING

PARKING EASEMENT DOC. 469281

STORM SEWER MAINTENANCE AGREEMENT WITH VILLAGE OF EPHRAIM DOC. 454872 AFFECTS PARCELS 27, 31 & 32

CHERRY ST
MORAVIA ST
STH 42
LOT 25
LOT 26
LOT 27
LOT 28
LOT 29
LOT 30
LOT 31
BLOCK L
BLOCK K
EPHRAIM
GOV'T LOT 1
GOV'T LOT 2
APPROXIMATE GOVERNMENT LOT LINE

PI STA = 342+64.79
Y = 275186.92
X = 547439.21
DELTA = 26°11'13"
D = 12°08'34"
T = 109.75
L = 215.66
R = 471.65
PC STA = 341+55.04
Y 275078.95
X 547458.87
PT STA = 343+70.70
Y 275275.13
X 547373.92

PI STA = 336+19.94
Y = 274555.29
X = 547382.13
DELTA = 13°05'17"
D = 4°08'34"
T = 158.65
L = 315.93
R = 1383.04
PC STA = 334+61.29
Y 274419.39
X 547300.28
PT STA = 337+77.21
Y 274706.21
X 547431.09

PI STA = 339+75.77
Y = 274895.07
X = 547492.36
DELTA = 28°17'40"
D = 7°43'38"
T = 186.90
L = 366.17
R = 741.49
PC STA = 337+88.87
Y 274717.30
X 547434.69
PT STA = 341+55.04
Y 275078.95
X 547458.87

PI STA = 345+76.33
Y = 275440.41
X = 547251.58
DELTA = 20°54'25"
D = 10°09'58"
T = 103.98
L = 205.65
R = 563.59
PC STA = 344+72.35
Y 275356.83
X 547313.45
PT STA = 346+78.00
Y 275496.41
X 547163.97

EAGLE HARBOR
WILLOW ST.
FRONTIER COMMUNICATIONS OF WI LLC. EASEMENT DOC. 260442 PARCELS 17, 18

PC 334+61.29
N31°03'41"E 49.36'
STA AH=334+11.93
STA BK=334+15.26

STATION OFFSET TABLE

POINT	STATION	OFFSET	Y	X
PRW225	334+61.29	-19.80	274429.61	547283.31
BD916	334+61.29	19.80	274409.17	547317.24
ERW857	336+91.78	49.25	274607.75	547448.05
ERW858	337+13.46	43.45	274630.75	547450.69
ERW812	337+51.02	10.67	274677.89	547432.86
PRW286	337+77.21	-19.80	274712.32	547412.26
PRW285	337+88.87	-19.80	274723.41	547415.85
ERW856	337+93.95	78.74	274698.35	547511.31
ERW855	338+46.81	83.20	274753.63	547531.30
PRW226	338+56.35	-19.80	274786.71	547433.25
PRW227	338+56.70	-18.29	274786.71	547434.80
ERW863	339+22.15	11.32	274845.57	547475.45
ERW862	340+04.03	6.26	274928.51	547476.93
ERW861	340+04.20	14.33	274928.50	547485.00
ERW860	340+05.50	80.73	274928.39	547551.41
ERW814	340+43.01	19.01	274968.19	547489.56
ERW813	340+43.36	7.09	274968.20	547477.64
PRW235	340+48.19	19.80	274973.53	547490.18
PRW283	341+18.00	18.50	275044.76	547482.94
PRW284	341+18.00	19.80	275044.93	547484.23
PRW236	341+47.99	19.73	275075.35	547479.55
PRW228	341+52.16	-19.80	275072.64	547439.89
PRW224	341+55.04	-19.80	275075.40	547439.39
ERW833	341+76.40	26.18	275105.72	547480.09
ERW815	341+77.27	-14.41	275097.47	547440.33
PRW229	342+11.04	-19.80	275127.49	547426.68
PRW237	342+13.53	19.80	275141.62	547463.75
ERW850	343+21.14	-21.02	275223.16	547383.14
PRW238	343+21.22	19.80	275243.94	547418.28
ERW816	343+21.37	18.82	275243.58	547417.36
PRW282	343+76.85	16.80	275290.07	547383.77
PRW281	343+76.85	19.80	275291.85	547386.18
PRW245	344+72.35	19.80	275368.61	547329.36
ERW239	345+03.12	19.80	275393.68	547309.72
ERW817	345+07.07	14.97	275393.72	547303.40
ERW834	345+55.33	19.58	275433.49	547273.21
PRW230	345+59.69	-19.80	275408.64	547242.35
ERW835	345+95.82	26.86	275467.56	547247.35
ERW818	345+96.88	-13.38	275437.84	547220.19
PRW231	346+75.84	-19.80	275478.60	547155.06
PRW240	346+76.10	19.80	275512.03	547176.28
PRW241	346+78.00	19.80	275513.09	547174.63
TLE546	347+26.00	-36.28	275491.69	547103.98
TLE545	347+26.00	-20.28	275505.17	547112.60
TLE549	347+50.00	19.80	275551.87	547113.96
TLE550	347+50.00	45.80	275573.78	547127.97
TLE547	347+93.00	-36.92	275527.23	547047.18
TLE548	347+93.00	-20.92	275540.72	547055.80
TLE552	348+16.00	19.80	275587.41	547058.35
TLE551	348+16.00	45.80	275609.32	547072.35
PRW242	348+24.05	19.80	275591.75	547051.57
ERW819	349+45.48	0.14	275654.09	546949.28
ERW849	349+46.00	-41.40	275627.19	546917.63
PRW243	350+38.70	19.80	275739.79	546913.29
PRW232	350+40.69	-19.80	275722.62	546877.55
PRW233	350+96.59	-19.80	275775.72	546853.16
BD911	351+15.90	180.90	275865.46	547033.72
BD921	351+29.82	133.57	275861.56	546984.54
BD922	351+47.14	68.04	275854.32	546917.14
PRW234	351+56.43	-19.80	275831.62	546831.78
BD910	351+57.33	75.06	275866.35	546920.07
ERW836	351+59.96	19.71	275849.03	546867.42
BD919	351+86.55	0.00	275866.98	546839.92
BD909	351+93.65	-21.89	275867.16	546816.86
ERW820	351+95.57	17.71	275880.80	546854.08

* INDICATES LCH AND LCB

COURSE TABLE NEW RIGHT-OF-WAY

POINT	TO POINT	BEARING	DIST.
SEC1067	BD911	N89°33'02"W	2035.97'
BD911	BD921	S85°27'50"W	49.33'
BD921	BD922	S83°52'06"W	67.79'
BD922	ERW836	S83°56'09"W	50.00'
ERW836	PRW243	S22°46'40"E	118.48'
PRW243	PRW242*	S43°02'50"E	202.58'
PRW242	PRW241	S57°24'54"E	146.05'
PRW241	PRW240*	S57°19'08"E	1.96'
PRW240	ERW835	S57°57'42"E	83.83'
ERW835	ERW834	S37°12'00"E	42.77'
ERW834	PRW239	S42°31'42"E	54.02'
PRW239	PRW245*	S38°04'20"E	31.85'
PRW245	PRW281	S36°30'29"E	95.50'
PRW281	PRW282	S53°29'31"W	3.00'
PRW282	PRW238	S36°48'18"E	57.61'
PRW238	PRW237*	S23°57'40"E	111.96'
PRW237	ERW833	S24°28'02"E	39.44'
ERW833	PRW236	S01°01'15"W	30.37'
PRW236	PRW283	S06°19'53"E	30.78'
PRW283	PRW284	N82°32'28"E	1.30'
PRW284	PRW235*	S04°45'42"E	71.65'
PRW235	ERW814	S06°33'54"W	5.37'
ERW814	ERW860	S57°14'19"E	73.55'
ERW860	ERW855	S06°33'54"W	175.91'
ERW855	ERW856	S19°52'53"W	58.79'
ERW856	ERW857	S34°55'22"W	110.49'
ERW857	ERW858	N06°33'21"E	23.14'
ERW858	BD916	S31°03'41"W	258.66'
BD916	PRW225	N58°56'19"W	39.60'
PRW225	PRW286*	N24°31'02"E	310.73'
PRW286	PRW285	N17°58'24"E	11.66'
PRW285	PRW226*	N15°21'58"E	65.65'
PRW226	PRW227	S89°54'38"E	1.55'
PRW227	PRW228	N01°01'15"E	285.97'
PRW228	PRW224*	N10°12'35"W	2.81'
PRW224	PRW229*	N13°43'15"W	53.62'
PRW229	ERW850	N24°28'02"W	105.11'
ERW850	PRW230	N37°12'00"W	232.87'
PRW230	PRW231*	N51°17'31"W	111.87'
PRW231	ERW849	N57°57'42"W	280.09'
ERW849	PRW232	N22°46'40"W	103.51'
PRW232	PRW233*	N24°40'14"W	58.44'
PRW233	PRW234	N20°55'46"W	59.84'
PRW234	BD909	N22°46'40"W	38.54'
BD909	SEC1066	S89°33'02"E	215.81'
SEC1066	BD911	S89°33'02"E	215.81'

COURSE TABLE

POINT	TO POINT	BEARING	DIST.
ERW814	ERW861	S06°33'54"W	39.95'
ERW861	ERW863	S06°33'54"W	83.48'
ERW863	ERW862	N01°01'15"E	82.96'
ERW862	ERW861	S89°54'26"E	8.07'

Curve Table

Curve #	Arc Length	Radius	Delta	LCH	LCB
C16	311.40'	1363.24'	13°05'17"	310.73	N24°31'02"E
C17	53.65'	452.05'	6°47'59"	53.62	N13°43'15"W
C18	112.07'	543.79'	11°48'28"	111.87	N51°17'31"W
C19	58.48'	447.79'	7°28'57"	58.44	N24°40'14"W
C20	71.68'	761.29'	5°23'40"	71.65	N4°45'42"W
C21	112.20'	491.65'	13°04'33"	111.96	N23°57'40"W
C22	204.72'	408.19'	28°44'10"	202.58	S43°02'50"E
C40	65.68'	721.69'	5°12'51"	65.65	N15°21'58"E
C41	31.85'	583.39'	3°07'42"	31.85	N38°04'20"W
C42	1.96'	583.39'	0°11'34"	1.96	N57°19'08"W
C43	2.81'	721.69'	0°13'22"	2.81	N10°12'35"W
C44	19.60'	442.00'	2°32'29"	19.60	S19°39'31"E

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, OR TOWN LINE		ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE		ACCESS RIGHTS	AR
QUARTER LINE		ACRES	AC.
SIXTEENTH LINE		AND OTHERS	ET.AL.
PROPOSED REFERENCE LINE		CENTERLINE	C/L
PROPOSED R/W LINE		CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MEANDER LINE	ML
EXISTING CENTERLINE		MONUMENT	MON.
LOT & TIE LINES		PAGE	P.
WATERMAIN	W	PERMANENT LIMITED ESEMENT	PLE
SANITARY SEWER	SAN	PROPERTY LINE	PL
TELEPHONE	T	RECORDED AS	(100')
ELECTRIC	E	REFERENCE LINE	R/L
FIBER OPTIC	FO	REMAINING	REM.
GAS	G	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	OH	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		SECTION LINE	S/L
ACCESS RESTRICTED (BY ACQUISITION)		SQUARE FEET	SQ.FT.
NO ACCESS (BY STATUTORY AUTHORITY)		STATION	STA.
FEE (HATCH VARIES)		TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT		VOLUME	V.
PERMANENT LIMITED EASEMENT			
PARCEL NUMBER	(10)		
UTILITY PARCEL NUMBER	(92)		
SIGN NUMBER (OFF PREMISE)	(21-1)		
BUILDING			
FOUND IRON PIPE/PIN	LP (1" UNLESS NOTED)		
R/W MONUMENT	○ ● (SET)		
R/W STANDARD	△ ▲ (SET)		
SIGN	SIGN		
SECTION CORNER SYMBOL	N.T.S.		

CURVE DATA

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

NON COMPENSABLE	COMPENSABLE
POWER POLE	
TELEPHONE POLE	
TELEPHONE PEDESTAL	

LOCATION SKETCH (NOT TO SCALE)
PROJECT LOCATION PLAT LOCATION
Eagle Bluff
Eagle Harbor
Sister Bay
Ephraim
Fish Creek
PENINSULA STATE PARK
Mud L.

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6688

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

WISCONSIN GARY D. SCHNEIDER S-1297 West Bend Wisconsin LAND SURVEYOR

SIGNATURE Gary D. Schneider DATE 06/12/2017
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE _____ DATE 6/16/2017
PRINT CURT VAN EREM

FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 6/15/2017 4:33 PM
PLOT BY : RAISA KHAYTINA
PLOT NAME :
PLOT SCALE : **********

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.04 AMENDMENT NO: 1
CHANGES FEE ACQUISITION OF PARCELS 33, 37 AND 38 OF TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.04, RECORDED AS DOCUMENT NO: 805371 ON JUNE 16, 2017

PART OF LOTS 35 AND 36, OF BLOCK N, PART OF LOT 40, OF BLOCK O, AND PART OF LOT 41, OF BLOCK P, OF THE ORIGINAL PLAT OF EPHRAIM, AND PART OF EDGEWATER RESORT CONDOMINIUM, AS RECORDED WITHIN DOCUMENT NO. 590627, IN HANGER 176, AND PART OF EPHRAIM YACHT HARBOR CONDOMINIUM, AS RECORDED WITHIN DOCUMENT NO. 418094, ALL LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 4, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN.

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.04
AMENDMENT NO: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED

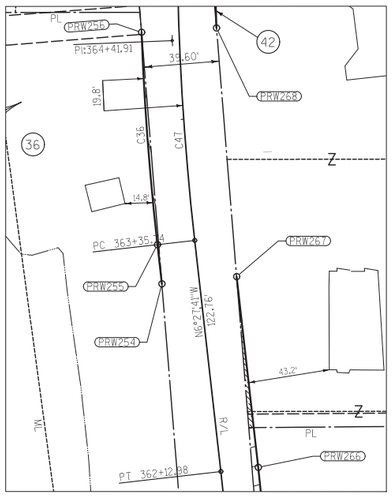
PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED NEW	EXISTING	TOTAL	T.L.E. AREA
33	EPHRAIM SHORES, INC.	FEE	0.016		0.016	
34	EDGEWATER RESORT CONDOMINIUM OWNER'S ASSOCIATION	FEE	0.029		0.029	
35	VILLAGE OF EPHRAIM	FEE	0.002		0.002	
36	EPHRAIM YACHT HARBOR, INC.	FEE	0.003		0.003	
37	ONESON TRUST OF 1994	FEE	0.006	0.030	0.036	
38	BRAD & AMY H RUSSELL	FEE	0.010		0.010	
39	VILLAGE OF EPHRAIM	FEE	0.010		0.010	
41	EPHRAIM FOUNDATION, INC.	FEE	0.010		0.010	
42	EPHRAIM YACHT HARBOR CONDOMINIUM OWNER'S ASSOCIATION	FEE	0.005		0.005	

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

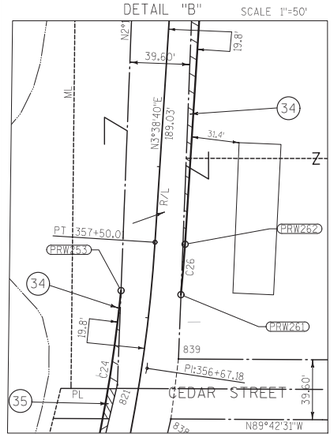
GN

0 50 100 200
SCALE, FEET

DETAIL "A" SCALE 1"=40'



DETAIL "B" SCALE 1"=50'



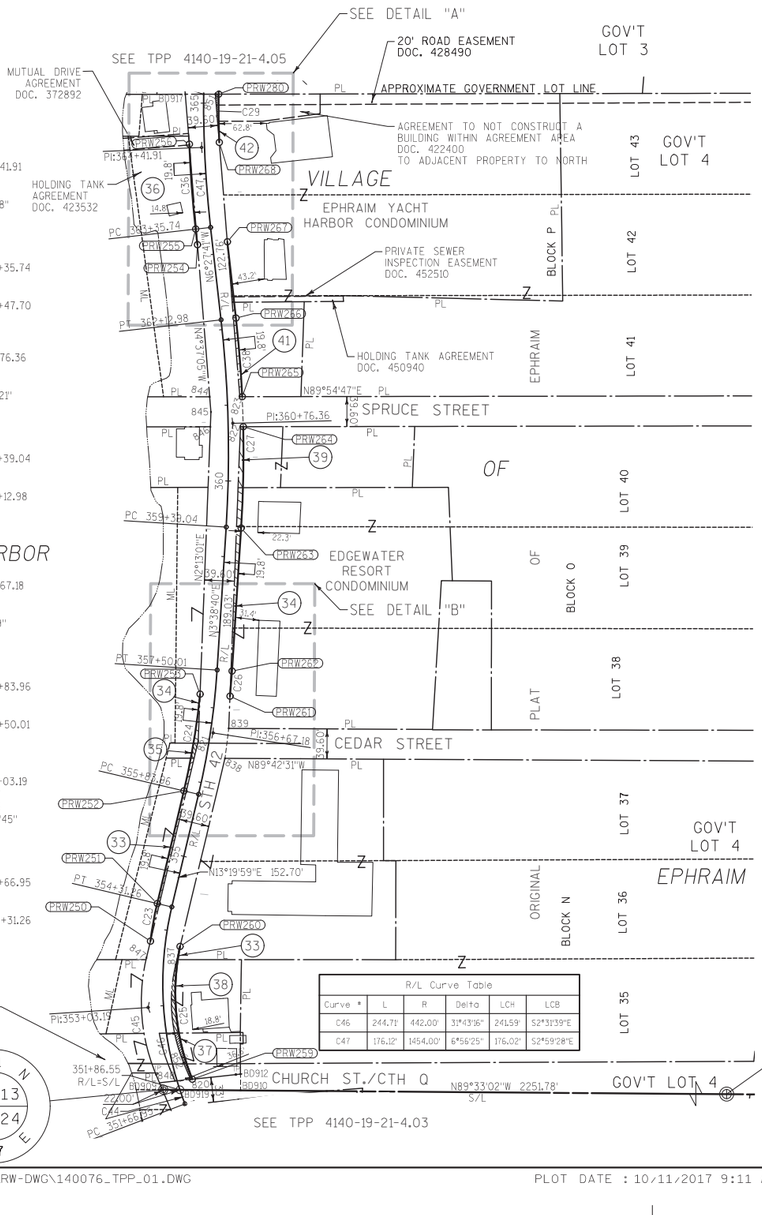
PI STA = 364+41.91
Y = 277110.58
X = 546868.50
DELTA = 8°21'08"
D = 3°56'26"
T = 106.17
L = 211.95
R = 1454.00
PC STA = 363+35.74
Y 277005.09
X 546880.44
PT STA = 365+47.70
Y 277216.69
X 546872.00

PI STA = 360+76.36
Y = 276746.65
X = 546909.71
DELTA = 10°06'21"
D = 3°41'21"
T = 137.32
L = 273.93
R = 1553.11
PC STA = 359+39.04
Y 276609.61
X 546900.98
PT STA = 362+12.98
Y 276883.10
X 546894.26

EAGLE HARBOR

PI STA = 356+67.18
Y = 276337.90
X = 546883.68
DELTA = 9°41'19"
D = 5°50'05"
T = 83.23
L = 166.06
R = 982.00
PC STA = 355+83.96
Y 276256.92
X 546864.48
PT STA = 357+50.01
Y 276420.96
X 546888.97

PI STA = 353+03.19
Y = 275975.77
X = 546797.85
DELTA = 34°15'45"
D = 12°57'46"
T = 136.24
L = 264.31
R = 442.00
PC STA = 351+66.95
Y 275848.52
X 546846.52
PT STA = 354+31.26
Y 276108.34
X 546829.27



R/L Curve Table

Curve #	L	R	Delta	LCH	LCB
C46	244.71'	442.00'	31°43'16"	241.59'	S2°31'39"E
C47	176.12'	1454.00'	6°56'25"	176.02'	S2°59'28"E

Curve Table

Curve #	Arc Length	Radius	Delta	LCH	LCB
C23	50.45'	461.80'	6°15'36"	50.43	N10°12'11"E
C24	129.48'	962.20'	7°42'37"	129.39	N9°28'41"E
C25	178.57'	301.40'	33°56'42"	175.97	S5°14'51"E
C26	33.40'	1001.80'	1°54'37"	33.40	S4°35'58"W
C27	133.84'	1572.91'	4°52'31"	133.80	S1°12'24"W
C29	63.67'	1434.20'	2°32'37"	63.67	S0°47'06"E
C36	112.40'	1473.80'	4°22'11"	112.38	N4°16'35"W
C38	103.96'	1572.91'	3°47'13"	103.94	S4°34'04"E
C45	157.41'	248.98'	36°13'19"	154.80	S4°40'00"E

MEAN *1066 ALUMINUM MON. WITH CAP
Y = 275867.15
X = 546817.92

T 31 N R 27 E, 13, 24, MC

QTR *1067 ALUMINUM MON. WITH CAP
Y = 275849.49
X = 549069.63

T 31 N R 27 E, 13, 24

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.28

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

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

COURSE TABLE NEW RIGHT-OF-WAY

POINT	TO POINT	BEARING	DIST.
SEC1067	BD910	N89°33'02"W	2149.63'
BD910	SEC1066	N89°33'02"W	102.15'
SEC1066	BD909	N89°33'02"W	1.06'
BD909	ERW848	N22°46'40"W	21.72'
ERW848	ERW847*	N04°40'00"W	154.80'
ERW847	PRW250	N13°26'39"E	22.42'
PRW250	PRW251*	N10°12'11"E	50.43'
PRW251	PRW252	N13°19'59"E	152.70'
PRW252	PRW253*	N09°28'41"E	129.39'
PRW253	ERW845	N02°13'01"E	372.65'
ERW845	PRW254	N04°37'05"W	221.40'
PRW254	PRW255	N06°27'41"W	20.83'
PRW255	PRW256*	N04°16'35"W	112.38'
PRW256	BD917	N04°37'05"W	66.11'
BD917	PRW280	N89°54'16"E	43.99'
PRW280	PRW268*	S00°47'06"E	63.67'
PRW268	PRW267	S04°37'05"E	131.68'
PRW267	PRW266	S06°27'41"E	101.30'
PRW266	PRW265*	S04°34'04"E	103.94'
PRW265	PRW264	S01°57'10"E	39.62'
PRW264	PRW263*	S01°12'24"W	133.80'
PRW263	PRW262	S03°38'40"W	189.03'
PRW262	PRW261*	S04°35'58"W	33.40'
PRW261	ERW839	S02°13'01"W	42.43'
ERW839	ERW838	S07°09'32"W	39.89'
ERW838	PRW260	S13°26'39"W	255.17'
PRW260	PRW259*	S05°14'51"E	175.97'
PRW259	BD912	N83°56'09"E	64.10'
BD912	BD910	S00°20'00"E	21.45'

* INDICATES LCH AND LCB

STATION OFFSET TABLE

POINT	STATION	OFFSET	Y	X
0910	351+57.33	75.06	275866.35	546920.07
0912	351+79.81	82.46	275887.80	546919.94
0909	351+93.65	-21.89	275867.16	546816.86
PRW259	351+95.13	19.80	275881.03	546856.20
ERW820	351+95.57	17.71	275880.80	546854.08
ERW848	352+14.15	-24.40	275887.18	546808.45
ERW852	352+19.83	14.78	275902.51	546844.96
ERW837	353+55.26	16.23	276032.26	546834.37
ERW847	353+61.77	-22.82	276041.47	546795.86
PRW260	353+80.71	19.80	276056.26	546840.11
PRW250	353+82.97	-19.80	276063.27	546801.07
PRW251	354+31.26	-19.80	276112.90	546810.00
PRW252	355+83.96	-19.80	276261.49	546845.22
ERW838	356+36.96	24.52	276304.44	546899.44
ERW821	356+53.14	-14.12	276327.02	546864.12
ERW839	356+75.88	23.16	276344.01	546904.41
PRW253	357+16.11	-19.80	276389.11	546866.52
PRW261	357+17.27	19.80	276386.41	546906.05
PRW262	357+50.01	19.80	276419.70	546908.73
PRW263	359+39.04	19.80	276608.35	546920.74
PRW264	360+71.20	19.80	276742.12	546923.56
ERW822	360+71.27	16.06	276742.11	546919.82
ERW846	360+72.08	-23.56	276742.05	546880.19
ERW845	360+91.76	-22.26	276761.47	546880.94
PRW265	361+10.32	19.80	276781.72	546922.21
ERW823	361+10.46	16.63	276781.71	546919.03
ERW844	361+12.29	-23.06	276781.65	546879.31
PRW266	362+12.98	19.80	276885.33	546913.93
PRW267	363+14.27	19.80	276985.98	546902.53
PRW254	363+14.91	-19.80	276982.16	546863.11
PRW255	363+35.74	-19.80	277002.86	546860.77
PRW256	364+46.64	-19.80	277114.92	546852.39
PRW268	364+47.51	19.80	277117.24	546891.93
0917	365+11.63	-24.19	277180.82	546847.07
ERW851	365+12.02	15.53	277180.89	546886.79
PRW280	365+12.07	19.80	277180.90	546891.06

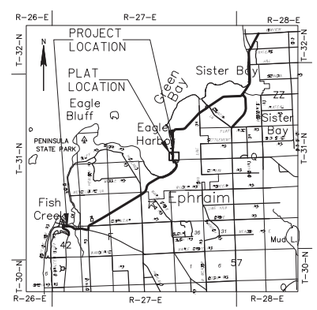
CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE		ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE		ACCESS RIGHTS	AR
QUARTER LINE		ACRES	AC.
SIXTEENTH LINE		AND OTHERS	ET.AL.
PROPOSED REFERENCE LINE		CENTERLINE	C/L
PROPOSED R/W LINE		CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MEANDER LINE	ML
EXISTING CENTERLINE		MONUMENT	MON.
LOT & TIE LINES		PAGE	P.
WATERMAIN	—W—	PERMANENT LIMITED ESEMENT	PLE
SANITARY SEWER	—SAN—	PROPERTY LINE	PL
TELEPHONE	—T—	RECORDED AS	(100')
ELECTRIC	—E—	REFERENCE LINE	R/L
FIBER OPTIC	—FO—	REMAINING	REM.
GAS	—G—	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	—OH—	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION)		SECTION LINE	S/L
ACCESS RESTRICTED (BY ACQUISITION)		SQUARE FEET	SQ.FT.
NO ACCESS (BY STATUTORY AUTHORITY)		STATION	STA.
FEE (HATCH VARIES)		TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT		VOLUME	V.
PERMANENT LIMITED EASEMENT			
PARCEL NUMBER	(10)		
UTILITY PARCEL NUMBER	(92)		
SIGN NUMBER (OFF PREMISE)	(21-)		
BUILDING			
FOUND IRON PIPE/PIN	I.P (1" UNLESS NOTED)		
R/W MONUMENT	○ ●(SET)		
R/W STANDARD	△ ▲(SET)		
SIGN	SIGN		
SECTION CORNER SYMBOL	N.T.S.		

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		



LOCATION SKETCH (NOT TO SCALE)

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

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

WISCONSIN GARY D. SCHNEIDER S-1297 West Bend Wisconsin LAND SURVEYOR

SIGNATURE _____ DATE 09/25/2017
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE _____ DATE 10/16/2017
PRINT CURT VAN EREM

FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG
PLOT DATE : 10/11/2017 9:11 AM
PLOT BY : RAISA KHAYTINA
PLOT NAME :
PLOT SCALE : **********
APPRAISAL PLAT DATE : _____

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.04

PART OF LOTS 35 AND 36, OF BLOCK N, PART OF LOT 40, OF BLOCK O, AND PART OF LOT 41, OF BLOCK P, OF THE ORIGINAL PLAT OF EPHRAIM, AND PART OF EDGEWATER RESORT CONDOMINIUM, AS RECORDED WITHIN DOCUMENT NO. 590627, IN HANGER 176, AND PART OF EPHRAIM YACHT HARBOR CONDOMINIUM, AS RECORDED WITHIN DOCUMENT NO. 418094, ALL LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 4, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.04
AMENDMENT NO:__

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT:
TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.28

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

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

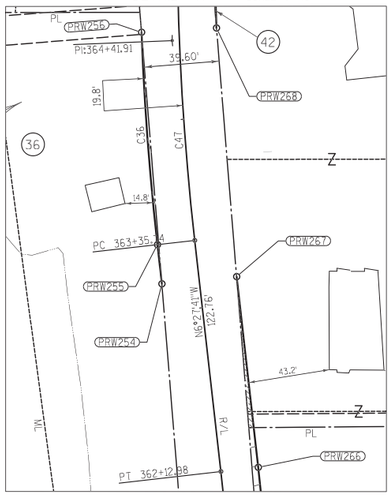
SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED NEW	EXISTING	TOTAL	T.L.E. AREA
33	EPHRAIM SHORES, INC.	FEE	0.017		0.017	
34	EDGEWATER RESORT CONDOMINIUM OWNER'S ASSOCIATION	FEE	0.029		0.029	
35	VILLAGE OF EPHRAIM	FEE	0.002		0.002	
36	EPHRAIM YACHT HARBOR, INC.	FEE	0.003		0.003	
37	ONESON TRUST OF 1994	FEE	0.009	0.030	0.039	
38	BRAD & AMY H RUSSELL	FEE	0.016		0.016	
39	VILLAGE OF EPHRAIM	FEE	0.010		0.010	
41	EPHRAIM FOUNDATION, INC.	FEE	0.010		0.010	
42	EPHRAIM YACHT HARBOR CONDOMINIUM OWNER'S ASSOCIATION	FEE	0.005		0.005	

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

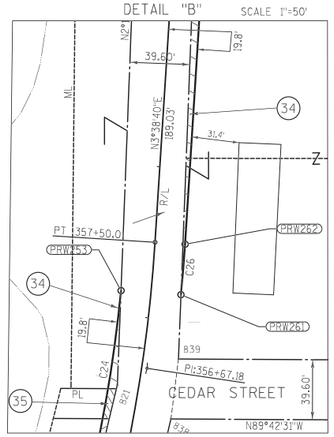
GN

0 50 100 200
SCALE, FEET

DETAIL "A" SCALE 1"=40'



DETAIL "B" SCALE 1"=50'

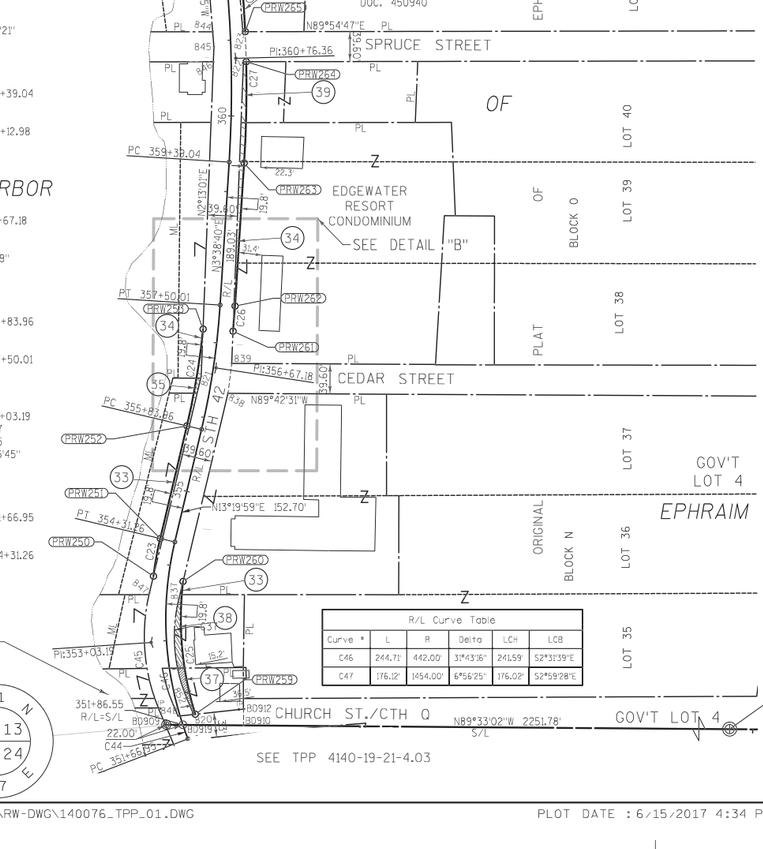


PI STA = 364+41.91
Y = 277110.58
X = 546868.50
DELTA = 8°21'08"
D = 3°56'26"
T = 106.17
L = 211.95
R = 1454.00
PC STA = 363+35.74
Y 277005.09
X 546880.44
PT STA = 365+47.70
Y 277218.69
X 546872.00

PI STA = 360+76.36
Y = 276746.65
X = 546909.71
DELTA = 10°06'21"
D = 3°41'21"
T = 137.32
L = 273.93
R = 1553.11
PC STA = 359+39.04
Y 276609.61
X 546900.98
PT STA = 362+12.98
Y 276883.10
X 546894.26

PI STA = 356+67.18
Y = 276337.90
X = 546883.68
DELTA = 9°41'19"
D = 5°50'05"
T = 83.23
L = 166.06
R = 982.00
PC STA = 355+83.96
Y 276256.92
X 546864.48
PT STA = 357+50.01
Y 276420.96
X 546888.97

PI STA = 353+03.19
Y = 275975.77
X = 546797.85
DELTA = 34°15'45"
D = 12°57'46"
T = 136.24
L = 264.31
R = 442.00
PC STA = 351+66.95
Y 275848.52
X 546846.52
PT STA = 354+31.26
Y 276108.34
X 546829.27



Curve Table					
Curve #	Arc Length	Radius	Delta	LCH	LCB
C23	50.45'	461.80'	6°15'36"	50.43	N10°12'11"E
C24	129.48'	962.20'	7°42'37"	129.39	N9°28'41"E
C25	177.27'	422.20'	24°03'23"	175.97	S5°41'51"E
C26	33.40'	1001.80'	1°54'37"	33.40	S4°35'58"W
C27	133.84'	1572.91'	4°52'31"	133.80	N1°12'24"E
C29	63.67'	1434.20'	2°32'37"	63.67	S0°47'06"E
C36	112.40'	1473.80'	4°22'11"	112.38	N4°16'35"W
C37	91.10'	209.38'	24°55'39"	90.38	S0°58'50"W
C38	103.96'	1572.91'	3°47'13"	103.94	S4°34'04"E
C45	157.41'	248.98'	36°13'19"	154.80	S4°40'00"E

R/L Curve Table					
Curve #	L	R	Delta	LCH	LCB
C46	244.71'	442.00'	31°43'16"	241.59	S2°31'39"E
C47	176.12'	1454.00'	6°56'25"	176.02'	S2°59'28"E

BD909 1.06' 22.00' S/L 919 1066

MEAN #1066
ALUMINUM MON.
WITH CAP
Y = 275867.15
X = 546817.92

T 31 N
R 27 E
13
24
MC

QTR #1067
ALUMINUM MON.
WITH CAP
Y = 275849.49
X = 549069.63

COURSE TABLE NEW RIGHT-OF-WAY

POINT	TO POINT	BEARING	DIST.
SEC1067	BD910	N89°33'02"W	2149.63'
BD910	SEC1066	N89°33'02"W	102.15'
SEC1066	BD909	N89°33'02"W	1.06'
BD909	ERW848	N22°46'40"W	21.72'
ERW848	ERW847	N04°40'00"W	154.80'
ERW847	PRW250	N13°26'39"E	22.42'
PRW250	PRW251*	N10°12'11"E	50.43'
PRW251	PRW252	N13°19'59"E	152.70'
PRW252	PRW253*	N09°28'41"E	129.39'
PRW253	ERW845	N02°13'01"E	372.65'
ERW845	PRW254	N04°37'05"W	221.40'
PRW254	PRW255	N06°27'41"W	20.83'
PRW255	PRW256*	N04°16'35"W	112.38'
PRW256	BD917	N04°37'05"W	66.11'
BD917	PRW280	N89°54'16"E	43.99'
PRW280	PRW268*	S00°47'06"E	63.67'
PRW268	PRW267	S04°37'05"E	131.68'
PRW267	PRW266	S06°27'41"E	101.30'
PRW266	PRW265*	S04°34'04"E	103.94'
PRW265	PRW264	S01°57'10"E	39.62'
PRW264	PRW263*	S01°12'24"W	133.80'
PRW263	PRW262	S03°38'40"W	189.03'
PRW262	PRW261*	S04°35'58"W	33.40'
PRW261	ERW839	S02°13'01"W	42.43'
ERW839	ERW838	S07°09'32"W	39.89'
ERW838	PRW260	S13°26'39"W	255.17'
PRW260	PRW259*	S05°41'51"E	175.97'
PRW259	BD912	N83°56'09"E	64.10'
BD912	BD910	S00°20'00"E	21.45'

* INDICATES LCH AND LCB

STATION OFFSET TABLE

POINT	STATION	OFFSET	Y	X
BD910	351+57.33	75.06	275866.35	546920.07
BD912	351+79.81	82.46	275887.80	546919.94
BD909	351+93.65	-21.89	275867.16	546816.86
PRW259	351+95.13	19.80	275881.03	546856.20
ERW820	351+95.57	17.71	275880.80	546854.08
ERW848	352+14.15	-24.40	275887.18	546808.45
ERW852	352+19.83	14.78	275902.51	546844.96
ERW837	353+55.26	16.23	276032.26	546834.37
ERW847	353+61.77	-22.82	276041.47	546795.86
PRW260	353+80.71	19.80	276056.26	546840.11
PRW250	353+82.97	-19.80	276063.27	546801.07
PRW251	354+31.26	-19.80	276112.90	546810.00
PRW252	355+83.96	-19.80	276261.49	546845.22
ERW838	356+36.96	24.52	276304.44	546899.44
ERW821	356+53.14	-14.12	276327.02	546864.12
ERW839	356+75.88	23.16	276344.01	546904.41
PRW253	357+16.11	-19.80	276389.11	546866.52
PRW261	357+17.27	19.80	276386.41	546906.05
PRW262	357+50.01	19.80	276419.70	546908.73
PRW263	359+39.04	19.80	276608.35	546920.74
PRW264	360+71.20	19.80	276742.12	546923.56
ERW822	360+71.27	16.06	276742.11	546919.82
ERW846	360+72.08	-23.56	276742.05	546880.19
ERW845	360+91.76	-22.26	276761.47	546880.94
PRW265	361+10.32	19.80	276781.72	546922.21
ERW823	361+10.46	16.63	276781.71	546919.03
ERW844	361+12.29	-23.06	276781.65	546879.31
PRW266	362+12.98	19.80	276885.33	546913.93
PRW267	363+14.27	19.80	276985.98	546902.53
PRW254	363+14.91	-19.80	276982.16	546863.11
PRW255	363+35.74	-19.80	277002.86	546860.77
PRW256	364+46.64	-19.80	277114.92	546852.39
PRW268	364+47.51	19.80	277117.24	546891.93
BD917	365+11.63	-24.19	277180.82	546847.07
ERW851	365+12.02	15.53	277180.89	546886.79
PRW280	365+12.07	19.80	277180.90	546891.06

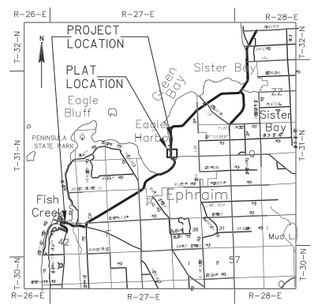
CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE		ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE		ACCESS RIGHTS	AR
QUARTER LINE		ACRES	AC.
SIXTEENTH LINE		AND OTHERS	ET.AL.
PROPOSED REFERENCE LINE		CENTERLINE	C/L
PROPOSED R/W LINE		CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MEANDER LINE	ML
EXISTING CENTERLINE		MONUMENT	MON.
LOT & TIE LINES		PAGE	P.
WATERMAIN	W	PERMANENT LIMITED ESEMENT	PLE
SANITARY SEWER	SAN	PROPERTY LINE	PL
TELEPHONE	T	RECORDED AS	(100')
ELECTRIC	E	REFERENCE LINE	R/L
FIBER OPTIC	FO	REMAINING	REM.
GAS	G	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	OH	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		SECTION LINE	S/L
ACCESS RESTRICTED (BY ACQUISITION)		SQUARE FEET	SQ.FT.
NO ACCESS (BY STATUTORY AUTHORITY)		STATION	STA.
FEE (HATCH VARIES)		TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT		VOLUME	V.
PERMANENT LIMITED EASEMENT			
PARCEL NUMBER	(10)		
UTILITY PARCEL NUMBER	(92)		
SIGN NUMBER (OFF PREMISE)	(21-1)		
BUILDING			
FOUND IRON PIPE/PIN	I.P (IT UNLESS NOTED)		
R/W MONUMENT	○ ●(SET)		
R/W STANDARD	△ ▲(SET)		
SIGN	SIGN		
SECTION CORNER SYMBOL	N.T.S.		

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		



LOCATION SKETCH (NOT TO SCALE)

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

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

WISCONSIN
GARY D. SCHNEIDER S-1297 West Bend Wisconsin
LAND SURVEYOR

SIGNATURE _____ DATE 06/12/2017
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE _____ DATE 6/16/2017
PRINT CURT VAN EREM

FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG
PLOT DATE : 6/15/2017 4:34 PM
PLOT BY : RAISA KHAYTINA
PLOT NAME :
PLOT SCALE : **********
APPRAISAL PLAT DATE : _____

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.05 AMENDMENT NO: 2, AMENDS PARCEL NO: 48, OF TRANSPORTATION PROJECT PLAT NO: 4140-19-21-4.05, RECORDED AS DOCUMENT NO: 805372

PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2399, WITHIN VOLUME 14, ON PAGE 199, DOCUMENT NO. 717824, AND PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2108, WITHIN VOLUME 12, ON PAGE 346, DOCUMENT NO. 688709, AND PART OF BEETLE AND POKER CONDOMINIUM AS RECORDED WITHIN DOCUMENT NO. 741153, ALL LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 3, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.05
AMENDMENT NO: 2

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED			P.L.E. AREA	T.L.E. AREA
			NEW	EXISTING	TOTAL		
43	PAUL L & JUDITH M FLOTTMAN	FEE, PLE, TLE	0.004	0.074	0.078	0.030	0.056
44	VILLAGE OF EPHRAIM	FEE, TLE	0.002		0.002		0.012
45	ANDREW D. & JOAN D. KLIMPEL	FEE	0.010		0.010		
46	PRIME SITES DOOR COUNTY DEV., LLC	FEE	0.027	0.178	0.205		
47	BEETLE AND POKER CONDOMINIUM OWNER'S ASSOCIATION	FEE	0.011		0.011		
48	CHARLES W & ELINOR W PEARSON	TLE					0.009
49	EPHRAIM FOUNDATION, INC.	FEE	0.017		0.017		
50	JOHN BAKER WELCH, AS TRUSTEE OF THE JOHN BAKER TRUST	FEE	0.006		0.006		
51	ANDERSON FAMILY PROPERTIES, LLC	FEE	0.007		0.007		

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	*OWNER	INTEREST REQUIRED
300	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
304	WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC	RELEASE OF RIGHTS

(300) FRONTIER COMMUNICATIONS OF WI LLC
PARCELS 43, 48, 50

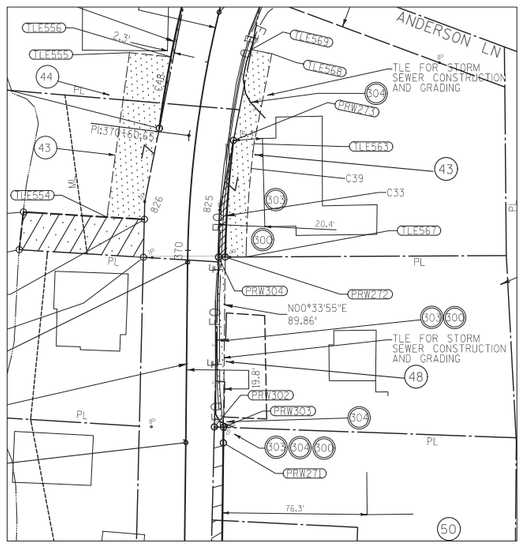
(303) CHARTER COMMUNICATIONS
PARCELS 43, 48, 50

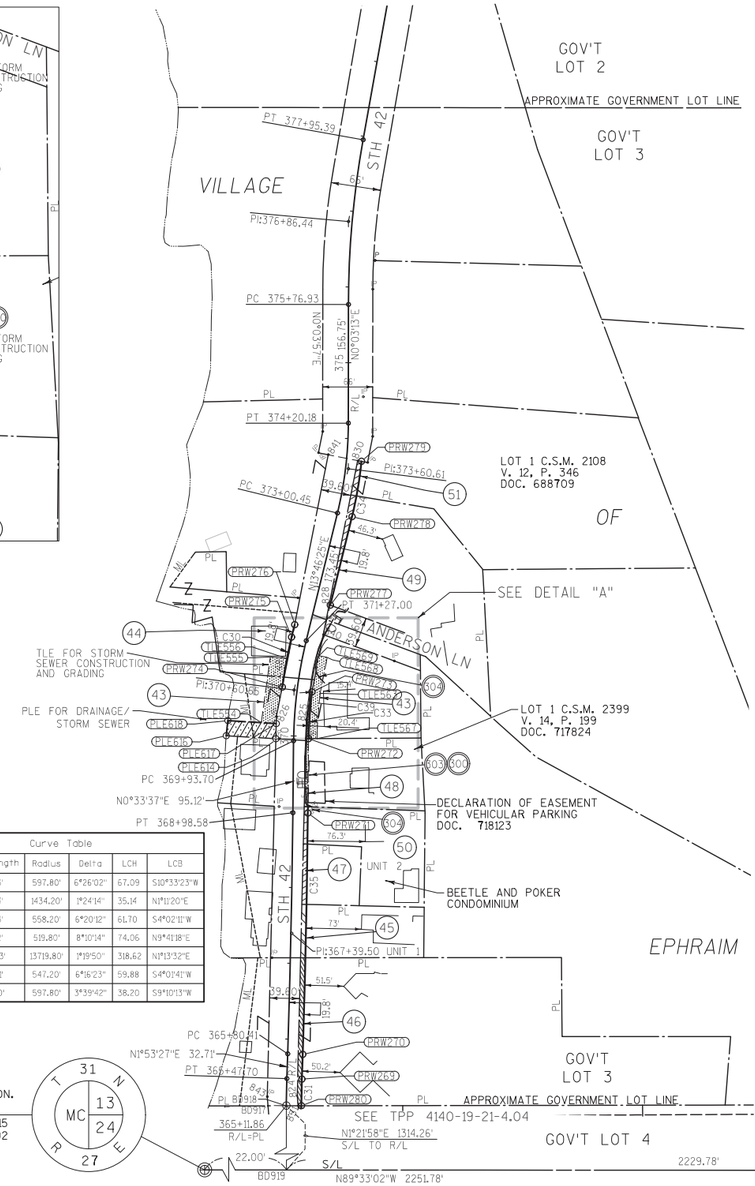
(304) WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
PARCELS 43, 48, 50

GN

0 50 100 200
SCALE, FEET

DETAIL "A" SCALE 1"=40'





STATION OFFSET TABLE				
POINT	STATION	OFFSET	Y	X
BD919	351+86.55	0.00	275866.98	546839.92
BD917	365+11.63	-24.19	277180.82	546847.07
BD918	365+11.86	0.00	277180.86	546871.26
ERW851	365+12.02	15.53	277180.89	546886.79
PRW280	365+12.07	19.80	277180.90	546891.06
ERW843	365+23.49	-25.31	277192.90	546846.09
ERW824	365+25.27	14.30	277194.02	546885.73
PRW269	365+47.70	19.80	277216.03	546891.79
PRW270	365+80.41	19.80	277248.73	546892.87
PRW271	368+98.58	19.80	277567.28	546899.68
PRW303	369+06.85	19.80	277575.55	546899.76
PRW302	369+06.97	14.98	277575.72	546894.94
PLE614	369+96.05	-23.35	277665.26	546857.49
PRW304	369+96.74	16.26	277665.38	546897.11
PRW272	369+96.81	19.80	277665.40	546900.65
TLE567	369+97.05	30.80	277665.46	546911.65
PLE616	369+98.73	-88.94	277669.26	546791.96
PLE617	370+15.28	-23.48	277685.27	546857.97
TLE554	370+15.54	-43.24	277686.47	546838.25
PLE618	370+16.06	-87.45	277689.17	546794.12
ERW825	370+22.21	15.94	277690.14	546897.70
ERW826	370+24.15	-23.76	277694.50	546858.20
TLE563	370+60.33	30.80	277725.19	546915.86
PRW273	370+60.73	19.80	277726.95	546904.99
PRW274	370+62.09	-19.80	277733.31	546865.88
TLE555	370+97.20	-41.64	277773.26	546850.17
TLE556	370+99.03	-19.80	277771.02	546871.97
TLE569	371+11.38	21.07	277774.87	546914.49
TLE568	371+11.58	32.07	277772.73	546925.28
PRW275	371+27.00	-19.80	277799.27	546878.18
ERW840	371+40.33	20.00	277802.74	546920.01
PRW276	371+43.90	-19.80	277815.68	546882.20
PRW277	371+80.21	19.80	277841.52	546929.31
ERW828	371+80.40	18.20	277842.09	546927.80
PRW278	373+00.45	19.80	277958.31	546957.93
PRW279	373+71.75	19.80	278031.31	546970.40
ERW830	373+72.23	14.80	278032.29	546965.47
ERW841	373+76.33	-24.59	278039.98	546926.63

COURSE TABLE			
POINT	TO POINT	BEARING	DIST.
PLE614	PLE616	N86°30'12"W	65.65'
PLE616	PLE618	N06°10'33"E	20.02'
PLE618	PLE617	S86°30'12"E	63.98'
PLE617	PLE614	S01°22'57"W	20.01'

* INDICATES LCH AND LCB

COURSE TABLE NEW RIGHT-OF-WAY			
POINT	TO POINT	BEARING	DIST.
SEC1067	BD919	N89°33'02"W	2229.78'
BD919	BD918	N01°21'58"E	1314.26'
BD918	BD917	S89°54'16"W	24.19'
BD917	ERW843	N04°37'05"W	12.12'
ERW843	ERW826	N01°22'57"E	501.74'
ERW826	PRW274	N11°12'13"E	39.57'
PRW274	PRW275*	N10°33'23"E	67.09'
PRW275	PRW276	N13°46'25"E	16.90'
PRW276	ERW841	N11°12'13"E	228.66'
ERW841	ERW830	S78°47'47"E	39.60'
ERW830	PRW279	S78°47'47"E	5.02'
PRW279	PRW278*	S09°41'18"W	74.06'
PRW278	PRW277	S13°46'25"W	120.24'
PRW277	ERW840	S13°29'10"W	39.89'
ERW840	PRW273	S11°12'13"W	77.26'
PRW273	PRW272*	S04°02'11"W	61.70'
PRW272	PRW304	S89°42'15"W	3.54'
PRW304	PRW302	S01°22'57"W	89.69'
PRW302	PRW303	S87°56'57"E	4.82'
PRW303	PRW271	S00°33'37"W	8.27'
PRW271	PRW270*	S01°13'32"W	318.62'
PRW270	PRW269	S01°53'27"W	32.72'
PRW269	PRW280*	S01°11'20"W	35.14'
PRW280	BD918	S89°54'16"W	19.80'

* INDICATES LCH AND LCB

Curve Table					
Curve #	Arc Length	Radius	Delta	LCH	LCB
C30	67.13'	597.80'	6°26'02"	67.09	S10°33'23"W
C31	35.14'	1434.20'	1°24'14"	35.14	N1°11'20"E
C33	61.73'	558.20'	6°20'12"	61.70	S4°02'11"W
C34	74.12'	519.80'	8°10'14"	74.06	N9°41'18"E
C35	318.63'	13719.80'	1°19'50"	318.62	N1°13'32"E
C39	59.91'	547.20'	6°16'23"	59.88	S4°07'41"W
C48	38.20'	597.80'	3°39'42"	38.20	S9°10'13"W

PI STA = 376+86.44
Y = 278347.86
X = 546953.33
DELTA = 10°04'41"
D = 4°36'47"
T = 109.51
L = 218.46
R = 1242.00
PC STA = 375+76.93
Y 278238.34
X 546953.23
PT STA = 377+95.39
Y 278455.66
X 546972.59

PI STA = 373+60.61
Y = 278021.44
X = 546953.02
DELTA = 13°43'12"
D = 11°27'33"
T = 60.15
L = 119.73
R = 500.00
PC STA = 373+00.45
Y 277963.02
X 546938.70
PT STA = 374+20.18
Y 278081.59
X 546953.08

PI STA = 370+60.65
Y = 277729.53
X = 546881.47
DELTA = 13°12'48"
D = 9°54'46"
T = 66.94
L = 133.30
R = 578.00
PC STA = 369+93.70
Y 277662.59
X 546880.81
PT STA = 371+27.00
Y 277794.55
X 546897.41

PI STA = 367+39.50
Y = 277408.39
X = 546878.33
DELTA = 1°19'50"
D = 0°25'06"
T = 159.09
L = 318.17
R = 13700.00
PC STA = 365+80.41
Y 277249.38
X 546873.08
PT STA = 368+98.58
Y 277567.47
X 546879.88

PI STA = 364+41.91
Y = 277110.58
X = 546868.50
DELTA = 8°21'08"
D = 3°56'26"
T = 106.17
L = 211.95
R = 1454.00
PC STA = 363+35.74
Y 277005.09
X 546880.44
PT STA = 365+47.70
Y 277216.69
X 546872.00

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.28

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

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS 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.

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

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

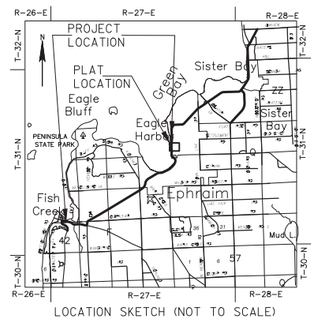
STATE, COUNTY, or TOWN LINE		ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE		ACCESS RIGHTS	AR
QUARTER LINE		ACRES	AC.
SIXTEENTH LINE		AND OTHERS	ET.AL.
PROPOSED REFERENCE LINE		CENTERLINE	C/L
PROPOSED R/W LINE		CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MEANDER LINE	ML
EXISTING CENTERLINE		MONUMENT	MON.
LOT & TIE LINES		PAGE	P.
WATERMAIN	—W—	PERMANENT LIMITED ESEMENT	PLE
SANITARY SEWER	—SAN—	PROPERTY LINE	PL
TELEPHONE	—T—	RECORDED AS	(100')
ELECTRIC	—E—	REFERENCE LINE	R/L
FIBER OPTIC	—FO—	REMAINING	REM.
GAS	—G—	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	—OH—	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		SECTION LINE	S/L
ACCESS RESTRICTED (BY ACQUISITION)		SQUARE FEET	SQ.FT.
NO ACCESS (BY STATUTORY AUTHORITY)		STATION	STA.
FEE (HATCH VARIES)		TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT		VOLUME	V.
PERMANENT LIMITED EASEMENT			

CURVE DATA

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

PARCEL NUMBER (10)
UTILITY PARCEL NUMBER (32)
SIGN NUMBER (OFF PREMISE) (21-1)
BUILDING
FOUND IRON PIPE/PIN (1" UNLESS NOTED) I.P
R/W MONUMENT ○ ●(SET)
R/W STANDARD △ ▲(SET)
SIGN ⊳SIGN
SECTION CORNER SYMBOL N.T.S.

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE	GTP	
TELEPHONE PEDESTAL		



LOCATION SKETCH (NOT TO SCALE)

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

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

WISCONSIN
GARY D. SCHNEIDER S-1297 West Bend Wisconsin
LAND SURVEYOR

SIGNATURE _____ DATE 11/07/2017
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE _____ DATE 11/13/2017
PRINT CURT VAN EREM

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.05 AMENDMENT NO: 1, CHANGES UTILITY NUMBER 305 TO UTILITY NUMBER 300, OF TRANSPORTATION PROJECT PLAT NO: 4140-19-21-4.05, RECORDED AS DOCUMENT NO: 805372

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.05
AMENDMENT NO:1

PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2399, WITHIN VOLUME 14, ON PAGE 199, DOCUMENT NO. 717824, AND PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2108, WITHIN VOLUME 12, ON PAGE 346, DOCUMENT NO. 688709, AND PART OF BEETLE AND POKER CONDOMINIUM AS RECORDED WITHIN DOCUMENT NO. 741153, ALL LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 3, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN.

RELOCATION ORDER STH 42 DOOR COUNTY

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

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SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED NEW	EXISTING	TOTAL	P.L.E. AREA	T.L.E. AREA
43	PAUL L & JUDITH M FLOTTMAN	FEE, PLE, TLE	0.004	0.074	0.078	0.030	0.056
44	VILLAGE OF EPHRAIM	FEE, TLE	0.002		0.002		0.012
45	ANDREW D. & JOAN D. KLIMPEL	FEE	0.010		0.010		
46	PRIME SITES DOOR COUNTY DEV., LLC	FEE	0.027	0.178	0.205		
47	BEETLE AND POKER CONDOMINIUM OWNER'S ASSOCIATION	FEE	0.011		0.011		
48	CHARLES W & ELINOR W PEARSON	FEE	0.009		0.009		
49	EPHRAIM FOUNDATION, INC.	FEE	0.017		0.017		
50	JOHN BAKER WELCH, AS TRUSTEE OF THE JOHN BAKER TRUST	FEE	0.006		0.006		
51	ANDERSON FAMILY PROPERTIES, LLC	FEE	0.007		0.007		

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	*OWNER	INTEREST REQUIRED
300	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
304	WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC	RELEASE OF RIGHTS

(300) FRONTIER COMMUNICATIONS OF WI LLC
PARCELS 43, 48, 50

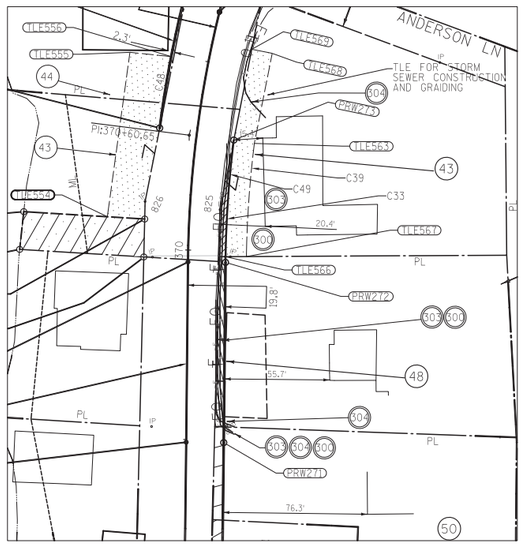
(303) CHARTER COMMUNICATIONS
PARCELS 43, 48, 50

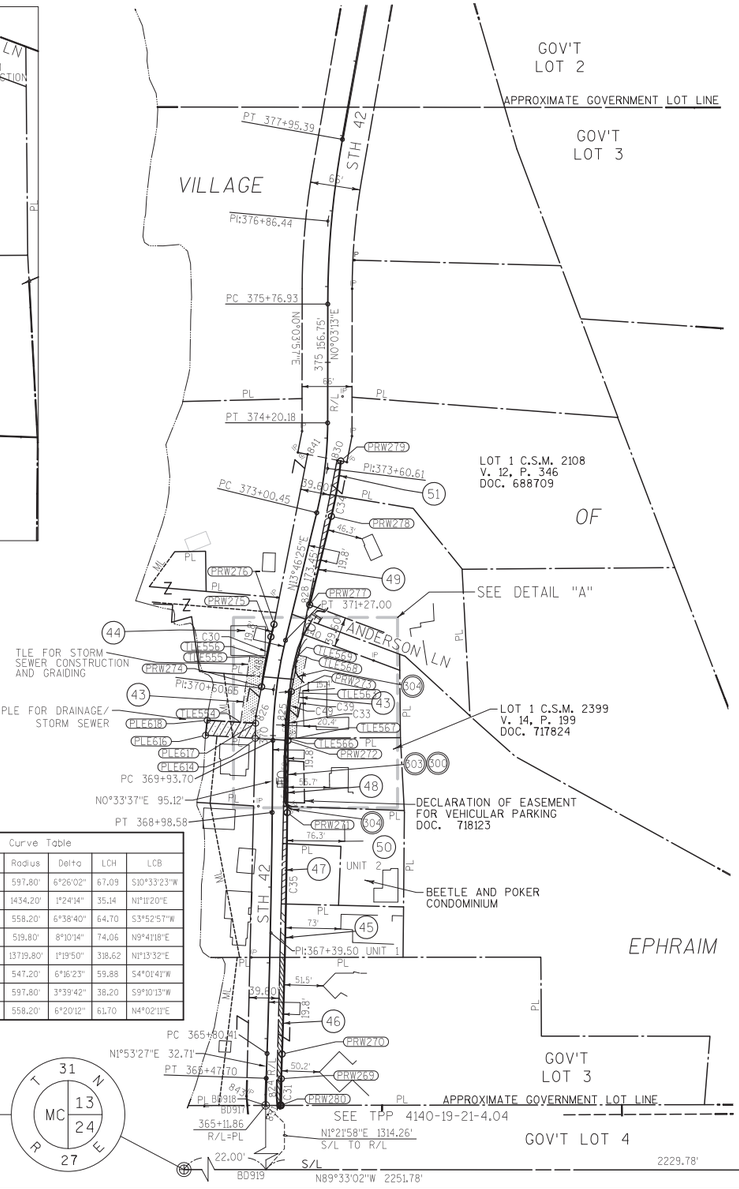
(304) WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
PARCELS 43, 48, 50

GN

0 50 100 200
SCALE, FEET

DETAIL "A" SCALE 1"=40'





POINT	STATION	OFFSET	Y	X
BD919	351+86.55	0.00	275866.98	546839.92
BD917	365+11.63	-24.19	277180.82	546847.07
BD918	365+11.86	0.00	277180.86	546871.26
ERW851	365+12.02	15.53	277180.89	546886.79
PRW280	365+12.07	19.80	277180.90	546891.06
ERW843	365+23.49	-25.31	277192.90	546846.09
ERW824	365+25.27	14.30	277194.02	546885.73
PRW269	365+47.70	19.80	277216.03	546891.79
PRW270	365+80.41	19.80	277248.73	546892.87
PRW271	368+98.58	19.80	277567.28	546899.68
PRW272	369+93.70	19.80	277662.40	546900.61
PLE614	369+96.05	-23.35	277665.26	546857.49
TLE566	369+96.81	19.80	277665.40	546900.65
TLE567	369+97.05	30.80	277665.46	546911.65
PLE616	369+98.73	-88.94	277669.26	546791.96
PLE617	370+15.28	-23.48	277685.27	546857.97
TLE554	370+15.54	-43.24	277686.47	546838.25
PLE618	370+16.06	-87.45	277689.17	546794.12
ERW825	370+22.21	15.94	277690.14	546897.70
ERW826	370+24.15	-23.76	277694.50	546858.20
TLE563	370+60.33	30.80	277725.19	546915.86
PRW273	370+60.73	19.80	277726.95	546904.99
PRW274	370+62.09	-19.80	277733.31	546865.88
TLE555	370+97.20	-41.64	277773.26	546850.17
TLE556	370+99.03	-19.80	277771.02	546871.97
TLE569	371+11.38	21.07	277774.87	546914.49
TLE568	371+11.58	32.07	277772.73	546925.28
PRW275	371+27.00	-19.80	277799.27	546878.18
ERW840	371+40.33	20.00	277802.74	546920.01
PRW276	371+43.90	-19.80	277815.68	546882.20
PRW277	371+80.21	19.80	277841.52	546929.31
ERW828	371+80.40	18.20	277842.09	546927.80
PRW278	373+00.45	19.80	277958.31	546957.93
PRW279	373+71.75	19.80	278031.31	546970.40
ERW830	373+72.23	14.80	278032.29	546965.47
ERW841	37376.33	-24.59	278039.98	546926.63

NOTES:

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RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

COURSE TABLE NEW RIGHT-OF-WAY

POINT	TO POINT	BEARING	DIST.
SEC1067	BD919	N89°33'02"W	2229.78'
BD919	BD918	N01°21'58"E	1314.26'
BD918	BD917	S89°54'16"W	24.19'
BD917	ERW843	N04°37'05"W	12.12'
ERW843	ERW826	N01°22'57"E	501.74'
ERW826	PRW274	N11°12'13"E	39.57'
PRW274	PRW275*	N10°33'23"E	67.09'
PRW275	PRW276	N13°46'25"E	16.90'
PRW276	ERW841	N11°12'13"E	228.66'
ERW841	ERW830	S78°47'47"E	39.60'
ERW830	PRW279	S78°47'47"E	5.02'
PRW279	PRW278*	S09°41'18"W	74.06'
PRW278	PRW277	S13°46'25"W	120.24'
PRW277	ERW840	S13°29'10"W	39.89'
ERW840	PRW273	S11°12'13"W	77.26'
PRW273	PRW272*	S03°52'57"W	64.70'
PRW272	PRW271	S00°33'37"W	95.12'
PRW271	PRW270*	S01°13'32"W	318.62'
PRW270	PRW269	S01°53'27"W	32.72'
PRW269	PRW280*	S01°11'20"W	35.14'
PRW280	BD918	S89°54'16"W	19.80'

* INDICATES LCH AND LCB

COURSE TABLE

POINT	TO POINT	BEARING	DIST.
PLE614	PLE616	N86°30'12"W	65.65'
PLE616	PLE618	N06°10'33"E	20.02'
PLE618	PLE617	S86°30'12"E	63.98'
PLE617	PLE614	S01°22'57"W	20.01'

* INDICATES LCH AND LCB

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE		ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE		ACCESS RIGHTS	AR
QUARTER LINE		ACRES	AC.
SIXTEENTH LINE		AND OTHERS	ET.AL.
PROPOSED REFERENCE LINE		CENTERLINE	C/L
PROPOSED R/W LINE		CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MEANDER LINE	ML
EXISTING CENTERLINE		MONUMENT	MON.
LOT & TIE LINES		PAGE	P.
WATERMAIN	W	PERMANENT LIMITED ESEMENT	PLE
SANITARY SEWER	SAN	PROPERTY LINE	PL
TELEPHONE	T	RECORDED AS	(100')
ELECTRIC	E	REFERENCE LINE	R/L
FIBER OPTIC	FO	REMAINING	REM.
GAS	G	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	OH	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		SECTION LINE	S/L
ACCESS RESTRICTED (BY ACQUISITION)		SQUARE FEET	SQ.FT.
NO ACCESS (BY STATUTORY AUTHORITY)		STATION	STA.
FEE (HATCH VARIES)		TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT		VOLUME	V.
PERMANENT LIMITED EASEMENT			
PARCEL NUMBER	(10)		
UTILITY PARCEL NUMBER	(32)		
SIGN NUMBER (OFF PREMISE)	21-1		
BUILDING			
FOUND IRON PIPE/PIN	I.P (1" UNLESS NOTED)		
R/W MONUMENT	○ ●(SET)		
R/W STANDARD	△ ▲(SET)		
SIGN	SIGN		
SECTION CORNER SYMBOL	N.T.S.		

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		

Curve Table					
Curve #	Arc Length	Radius	Delta	LCH	LCB
C30	67.13'	597.80'	6°26'02"	67.09	S10°33'23"W
C31	35.14'	1434.20'	1°24'14"	35.14	N1°11'20"E
C33	64.73'	558.20'	6°38'40"	64.70	S3°52'57"W
C34	74.12'	519.80'	8°10'14"	74.06	N9°41'18"E
C35	318.63'	13719.80'	1°19'50"	318.62	N1°13'32"E
C39	59.91'	547.20'	6°16'23"	59.88	S4°01'41"W
C48	38.20'	597.80'	3°39'42"	38.20	S9°10'13"W
C49	61.73'	558.20'	6°20'12"	61.70	N4°02'11"E

PI STA = 376+86.44
Y = 278347.86
X = 546953.33
DELTA = 10°04'41"
D = 4°36'47"
T = 109.51
L = 218.46
R = 1242.00
PC STA = 375+76.93
Y 278238.34
X 546953.23
PT STA = 377+95.39
Y 278455.66
X 546972.59

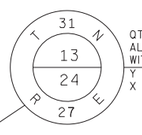
PI STA = 373+60.61
Y = 278021.44
X = 546953.02
DELTA = 13°43'12"
D = 11°27'33"
T = 60.15
L = 119.73
R = 500.00
PC STA = 373+00.45
Y 277963.02
X 546938.70
PT STA = 374+20.18
Y 278081.59
X 546953.08

PI STA = 370+60.65
Y = 277729.53
X = 546881.47
DELTA = 13°12'48"
D = 9°54'46"
T = 66.94
L = 133.30
R = 578.00
PC STA = 369+93.70
Y 277662.59
X 546880.81
PT STA = 371+27.00
Y 277794.55
X 546897.41

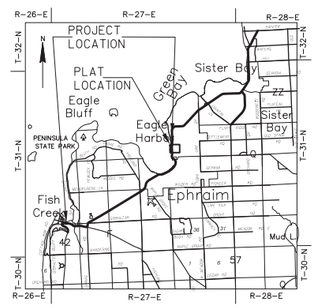
PI STA = 367+39.50
Y = 277408.39
X = 546878.33
DELTA = 1°19'50"
D = 0°25'06"
T = 158.09
L = 318.17
R = 13700.00
PC STA = 365+80.41
Y 277249.38
X 546873.08
PT STA = 368+98.58
Y 277567.47
X 546879.88

PI STA = 364+41.91
Y = 277110.58
X = 546868.50
DELTA = 8°21'08"
D = 3°56'26"
T = 106.17
L = 211.95
R = 1454.00
PC STA = 363+35.74
Y 277005.09
X 546880.44
PT STA = 365+47.70
Y 277216.69
X 546872.00

MEAN #1066
ALUMINUM MON.
WITH CAP
Y = 275867.15
X = 546817.92



QTR #1067
ALUMINUM MON.
WITH CAP
Y = 275849.49
X = 549069.63



LOCATION SKETCH (NOT TO SCALE)

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

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

WISCONSIN GARY D. SCHNEIDER S-1297 West Bend Wisconsin LAND SURVEYOR

SIGNATURE _____ DATE 08/23/2017
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE _____ DATE 8/23/2017
PRINT CURT VAN EREM

FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 8/23/2017 8:53 AM
PLOT BY : GALINA BOBROVA
PLOT NAME :
PLOT SCALE : **********

4140-19-21 4.05

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.05

PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2399, WITHIN VOLUME 14, ON PAGE 199, DOCUMENT NO. 717824, AND PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2108, WITHIN VOLUME 12, ON PAGE 346, DOCUMENT NO. 688709, AND PART OF BEETLE AND POKER CONDOMINIUM AS RECORDED WITHIN DOCUMENT NO. 741153, ALL LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 3, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.05
AMENDMENT NO:___

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED NEW	EXISTING	TOTAL	P.L.E. AREA	T.L.E. AREA
43	PAUL L & JUDITH M FLOTTMAN	FEE, PLE, TLE	0.004	0.074	0.078	0.030	0.056
44	VILLAGE OF EPHRAIM	FEE, TLE	0.002		0.002		0.012
45	ANDREW D. & JOAN D. KLIMPEL	FEE	0.010		0.010		
46	PRIME SITES DOOR COUNTY DEV., LLC	FEE	0.027	0.178	0.205		
47	BEETLE AND POKER CONDOMINIUM OWNER'S ASSOCIATION	FEE	0.011		0.011		
48	CHARLES W & ELINOR W PEARSON	FEE	0.009		0.009		
49	EPHRAIM FOUNDATION, INC.	FEE	0.017		0.017		
50	JOHN BAKER WELCH, AS TRUSTEE OF THE JOHN BAKER TRUST	FEE	0.006		0.006		
51	ANDERSON FAMILY PROPERTIES, LLC	FEE	0.007		0.007		

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	*OWNER	INTEREST REQUIRED
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
304	WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC	RELEASE OF RIGHTS
305	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

303 CHARTER COMMUNICATIONS
PARCELS 43, 48, 50

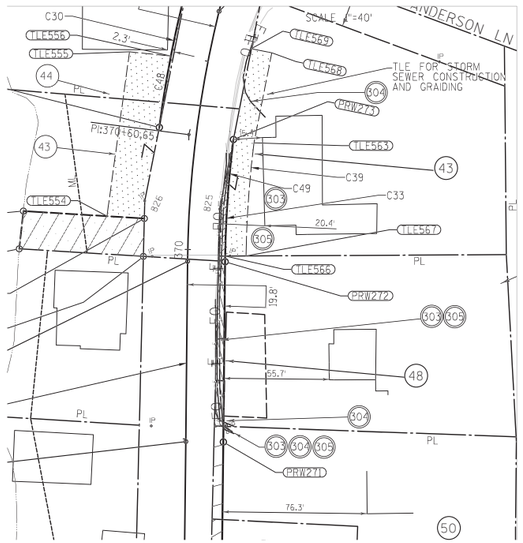
304 WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
PARCELS 43, 48, 50

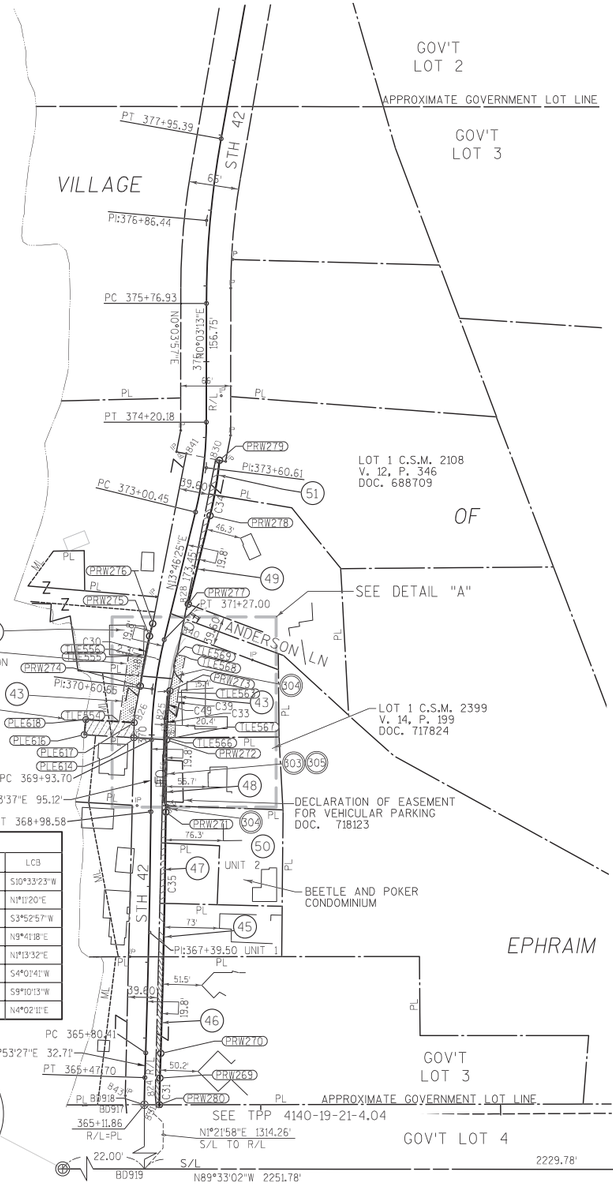
305 FRONTIER COMMUNICATIONS OF WI LLC
PARCELS 43, 48, 50

GN

0 50 100 200
SCALE, FEET

DETAIL "A"
SCALE 1"=40'





PI STA = 376+86.44
Y = 278347.86
X = 546953.33
DELTA = 10°04'41"
D = 4°36'47"
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Y 278238.34
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PT STA = 377+95.39
Y 278455.66
X 546972.59

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D = 11°27'33"
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L = 119.73
R = 500.00
PC STA = 373+00.45
Y 277963.02
X 546938.70
PT STA = 374+20.18
Y 278081.59
X 546953.08

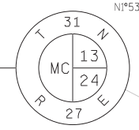
PI STA = 370+60.65
Y = 277729.53
X = 546881.47
DELTA = 13°12'48"
D = 9°54'46"
T = 66.94
L = 133.30
R = 578.00
PC STA = 369+93.70
Y 277662.59
X 546880.81
PT STA = 371+27.00
Y 277794.55
X 546897.41

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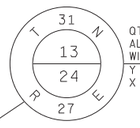
PI STA = 364+41.91
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X 546880.44
PT STA = 365+47.70
Y 277216.69
X 546872.00

Curve Table					
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MEAN #1066
ALUMINUM MON.
WITH CAP
Y = 275867.15
X = 546817.92



QTR #1067
ALUMINUM MON.
WITH CAP
Y = 275849.49
X = 549069.63



STATION OFFSET TABLE

POINT	STATION	OFFSET	Y	X
BD919	351+86.55	0.00	275866.98	546839.92
BD917	365+11.63	-24.19	277180.82	546847.07
BD918	365+11.86	0.00	277180.86	546871.26
ERW851	365+12.02	15.53	277180.89	546886.79
PRW280	365+12.07	19.80	277180.90	546891.06
ERW843	365+23.49	-25.31	277192.90	546846.09
ERW824	365+25.27	14.30	277194.02	546885.73
PRW269	365+47.70	19.80	277216.03	546891.79
PRW270	365+80.41	19.80	277248.73	546892.87
PRW271	368+98.58	19.80	277567.28	546899.68
PRW272	369+93.70	19.80	277662.40	546900.61
PLE614	369+96.05	-23.35	277665.26	546857.49
TLE566	369+96.81	19.80	277665.40	546900.65
TLE567	369+97.05	30.80	277665.46	546911.65
PLE616	369+98.73	-88.94	277669.26	546791.96
PLE617	370+15.28	-23.48	277685.27	546857.97
TLE554	370+15.54	-43.24	277686.47	546838.25
PLE618	370+16.06	-87.45	277689.17	546794.12
ERW825	370+22.21	15.94	277690.14	546897.70
ERW826	370+24.15	-23.76	277694.50	546858.20
TLE563	370+60.33	30.80	277725.19	546915.86
PRW273	370+60.73	19.80	277726.95	546904.99
PRW274	370+62.09	-19.80	277733.31	546865.88
TLE555	370+97.20	-41.64	277773.26	546850.17
TLE556	370+99.03	-19.80	277771.02	546871.97
TLE569	371+11.38	21.07	277774.87	546914.49
TLE568	371+11.58	32.07	277772.73	546925.28
PRW275	371+27.00	-19.80	277799.27	546878.18
ERW840	371+40.33	20.00	277802.74	546920.01
PRW276	371+43.90	-19.80	277815.68	546882.20
PRW277	371+80.21	19.80	277841.52	546929.31
ERW828	371+80.40	18.20	277842.09	546927.80
PRW278	373+00.45	19.80	277958.31	546957.93
PRW279	373+71.75	19.80	278031.31	546970.40
ERW830	373+72.23	14.80	278032.29	546965.47
ERW841	37376.33	-24.59	278039.98	546926.63

COURSE TABLE

POINT	TO POINT	BEARING	DIST.
PLE614	PLE616	N86°30'12"W	65.65'
PLE616	PLE618	N06°10'33"E	20.02'
PLE618	PLE617	S86°30'12"E	63.98'
PLE617	PLE614	S01°22'57"W	20.01'

* INDICATES LCH AND LCB

COURSE TABLE NEW RIGHT-OF-WAY

POINT	TO POINT	BEARING	DIST.
SEC1067	BD919	N89°33'02"W	2229.78'
BD919	BD918	N01°21'58"E	1314.26'
BD918	BD917	S89°54'16"W	24.19'
BD917	ERW843	N04°37'05"W	12.12'
ERW843	ERW826	N01°22'57"E	501.74'
ERW826	PRW274	N11°12'13"E	39.57'
PRW274	PRW275*	N10°33'23"E	67.09'
PRW275	PRW276	N13°46'25"E	16.90'
PRW276	ERW841	N11°12'13"E	228.66'
ERW841	ERW830	S78°47'47"E	39.60'
ERW830	PRW279	S78°47'47"E	5.02'
PRW279	PRW278*	S09°41'18"W	74.06'
PRW278	PRW277	S13°46'25"W	120.24'
PRW277	ERW840	S13°29'10"W	39.89'
ERW840	PRW273	S11°12'13"W	77.26'
PRW273	PRW272*	S03°52'57"W	64.70'
PRW272	PRW271	S00°33'37"W	95.12'
PRW271	PRW270*	S01°13'32"W	318.62'
PRW270	PRW269	S01°53'27"W	32.72'
PRW269	PRW280*	S01°11'20"W	35.14'
PRW280	BD918	S89°54'16"W	19.80'

* INDICATES LCH AND LCB

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT:
TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.28

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

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS 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.

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

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

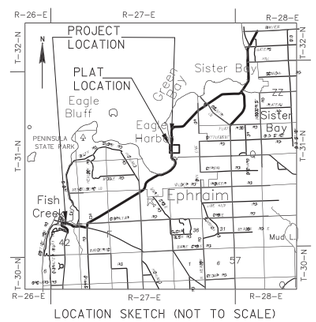
STATE, COUNTY, or TOWN LINE		ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE		ACCESS RIGHTS	AR
QUARTER LINE		ACRES	AC.
SIXTEENTH LINE		AND OTHERS	ET.AL.
PROPOSED REFERENCE LINE		CENTERLINE	C/L
PROPOSED R/W LINE		CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MEANDER LINE	ML
EXISTING CENTERLINE		MONUMENT	MON.
LOT & TIE LINES		PAGE	P.
WATERMAIN	W	PERMANENT LIMITED ESEMENT	PLE
SANITARY SEWER	SAN	PROPERTY LINE	PL
TELEPHONE	T	RECORDED AS	(100')
ELECTRIC	E	REFERENCE LINE	R/L
FIBER OPTIC	FO	REMAINING	REM.
GAS	G	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	OH	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		SECTION LINE	S/L
ACCESS RESTRICTED (BY ACQUISITION)		SQUARE FEET	SQ.FT.
NO ACCESS (BY STATUTORY AUTHORITY)		STATION	STA.
FEE (HATCH VARIES)		TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT		VOLUME	V.
PERMANENT LIMITED EASEMENT			
PARCEL NUMBER	(10)		
UTILITY PARCEL NUMBER	(92)		
SIGN NUMBER (OFF PREMISE)	(21-1)		
BUILDING			
FOUND IRON PIPE/PIN	I.P (1" UNLESS NOTED)		
R/W MONUMENT	○ ●(SET)		
R/W STANDARD	△ ▲(SET)		
SIGN	SIGN		
SECTION CORNER SYMBOL	N.T.S.		

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668



LOCATION SKETCH (NOT TO SCALE)

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

WISCONSIN
GARY D. SCHNEIDER S-1297 West Bend Wisconsin
LAND SURVEYOR

SIGNATURE _____ DATE 06/12/2017
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE _____ DATE 6/16/2017
PRINT CURT VAN EREM

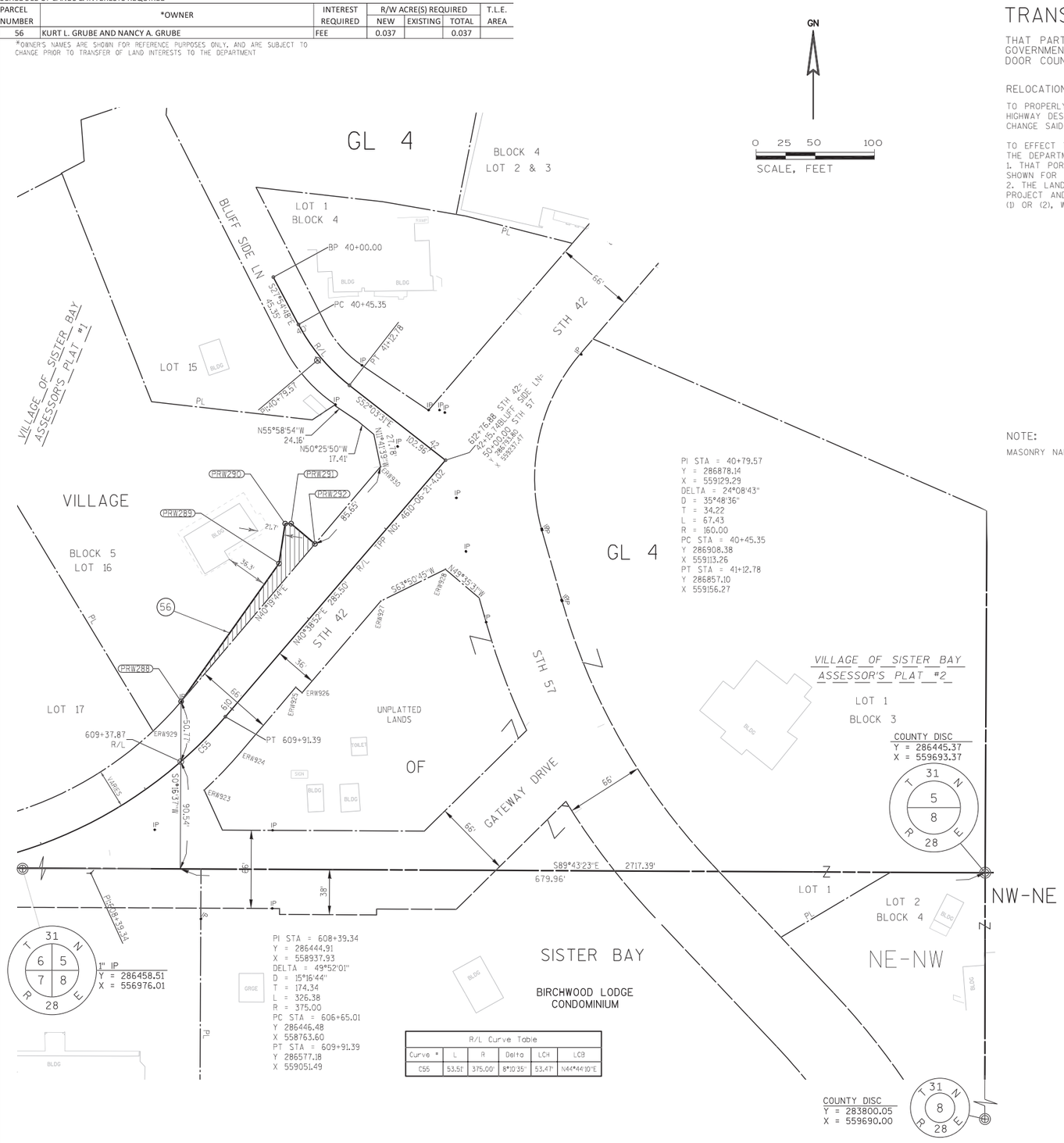
FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG
PLOT DATE : 6/15/2017 4:34 PM
PLOT BY : RAISA KHAYTINA
PLOT NAME :
PLOT SCALE : ''''''''''
APPRAISAL PLAT DATE : _____

4140-19-21 4.05

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED NEW	EXISTING	TOTAL	T.L.E. AREA
56	KURT L. GRUBE AND NANCY A. GRUBE	FEE	0.037		0.037	

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT



TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.06

THAT PART OF LOT 16, BLOCK 5 OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 1, LOCATED IN GOVERNMENT LOT 4 OF SECTION 5, ALL IN TOWNSHIP 31 NORTH, RANGE 28 EAST, VILLAGE OF SISTER BAY, DOOR COUNTY, WISCONSIN.

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED 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 SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.06
AMENDMENT NO:___

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4610-06-21-4.02 PER WisDOT INSTRUCTIONS.

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

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

NOTE:

MASONRY NAIL SET FOR PRW291 & PRW292

NEW RIGHT-OF-WAY COURSE TABLE

POINT	TO POINT	BEARING	DIST.
PRW288	PRW289	N35°20'39"E	142.99'
PRW289	PRW290	N08°48'22"E	34.00'
PRW290	PRW291	S90°00'00"E	5.00'
PRW291	PRW292	S49°40'15"E	26.39'
PRW292	PRW288	S40°19'44"W	174.67'

STATION OFFSET TABLE

POINT	STATION	OFFSET	Y	X
ERW923	609+37.00	31.14	286515.14	559033.65
ERW929	609+37.16	-34.90	286565.05	558990.39
PRW288	609+75.15	-36.38	286589.97	559014.11
ERW924	609+78.14	29.55	286547.26	559064.42
ERW925	610+49.00	28.90	286602.07	559110.95
ERW926	610+49.00	36.00	286597.44	559116.34
PRW289	611+19.12	-49.92	286706.61	559096.83
PRW290	611+48.00	-67.85	286740.21	559102.03
ERW927	611+51.00	36.00	286674.83	559182.78
PRW291	611+51.26	-64.06	286740.21	559107.03
PRW292	611+51.40	-37.67	286723.13	559127.15
ERW928	612+07.00	60.00	286701.69	559237.47
ERW930	612+37.05	-38.15	286788.43	559182.58

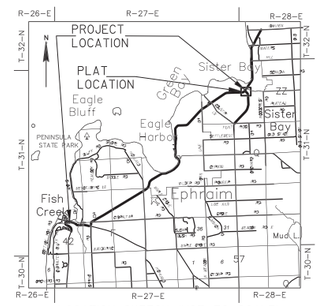
CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE	———	ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE	———	ACCESS RIGHTS	AR
QUARTER LINE	———	ACRES	AC.
SIXTEENTH LINE	———	AND OTHERS	ET.AL.
PROPOSED REFERENCE LINE	———	CENTERLINE	C/L
PROPOSED R/W LINE	———	CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE	———	DOCUMENT	DOC.
PROPERTY LINE	———	HIGHWAY EASEMENT	H.E.
EASEMENT LINE	———	LAND CONTRACT	LC
CORPORATE LIMITS	———	MEANDER LINE	ML
EXISTING CENTERLINE	———	MONUMENT	MON.
LOT & TIE LINES	———	PAGE	P.
WATERMAIN	——W——	PERMANENT LIMITED ESEMENT	PLE
SANITARY SEWER	——SAN——	PROPERTY LINE	PL
TELEPHONE	——T——	RECORDED AS	(100')
ELECTRIC	——E——	REFERENCE LINE	R/L
FIBER OPTIC	——FO——	REMAINING	REM.
GAS	——G——	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	——OH——	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)	◆◆◆◆◆◆	SECTION LINE	S/L
ACCESS RESTRICTED (BY ACQUISITION)	|||||||	SQUARE FEET	SQ.FT.
NO ACCESS (BY STATUTORY AUTHORITY)	●●●●●●●	STATION	STA.
FEE (HATCH VARIES)		TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT		VOLUME	V.
PERMANENT LIMITED EASEMENT			
PARCEL NUMBER	(10)		
UTILITY PARCEL NUMBER	(92)		
SIGN NUMBER (OFF PREMISE)	(21-1)		
BUILDING			
FOUND IRON PIPE/PIN	IP (1" UNLESS NOTED)		
R/W MONUMENT	○ ●(SET)		
R/W STANDARD	△ ▲(SET)		
SIGN	SIGN		
SECTION CORNER SYMBOL	N.T.S.		

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE	PP	
TELEPHONE POLE		
TELEPHONE PEDESTAL		



LOCATION SKETCH (NOT TO SCALE)

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

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

WISCONSIN GARY D. SCHNEIDER S-1297 West Bend Wisconsin LAND SURVEYOR

SIGNATURE Gary D. Schneider DATE 06/12/2017
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE _____ DATE 6/16/2017
PRINT CURT VAN EREM

FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 6/15/2017 4:35 PM
PLOT BY : RAISA KHAYTINA
PLOT NAME :
PLOT SCALE : **********

4140-19-21 4.06

SCHEDULE OF LANDS & INTERESTS REQUIRED							
PARCEL NUMBER	*OWNER	INTEREST REQUIRED	R/W ACRE(S) REQUIRED			P.L.E. AREA	T.L.E. AREA
			NEW	EXISTING	TOTAL		
53	STATE OF WISCONSIN, DEPT. OF NATURAL RESOURCES	TLE, PLE				0.074	0.129

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE TOWN OF GIBRALTAR

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	*OWNER	INTEREST REQUIRED
304	WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC	RELEASE OF RIGHTS
300	FRONTIER COMMUNICATIONS OF WI LLC	RELEASE OF RIGHTS

(304) WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC
PARCEL 53

(300) FRONTIER COMMUNICATIONS OF WI LLC
PARCEL 53

GN

0 50 100 200
SCALE, FEET

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.07

PART OF GOVERNMENT LOT 4 OF SECTION 29 AND PART OF THE NE 1/4 OF THE NE 1/4 OF SECTION 32, ALL IN TOWNSHIP 31 NORTH, RANGE 27 EAST, TOWN OF GIBRALTAR, DOOR COUNTY, WISCONSIN.

Document No. 813648
Recorded on May 29, 2018
at 1:34 pm

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4140-19-21-4.07
AMENDMENT NO:___

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 60.50 AND 82.12, WISCONSIN STATUTES, THE TOWN OF GIBRALTAR 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 NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE TOWN FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE TOWN OF GIBRALTAR, PURSUANT TO THE PROVISIONS OF SUBSECTION 60.50 AND 82.12, WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT:
TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.18

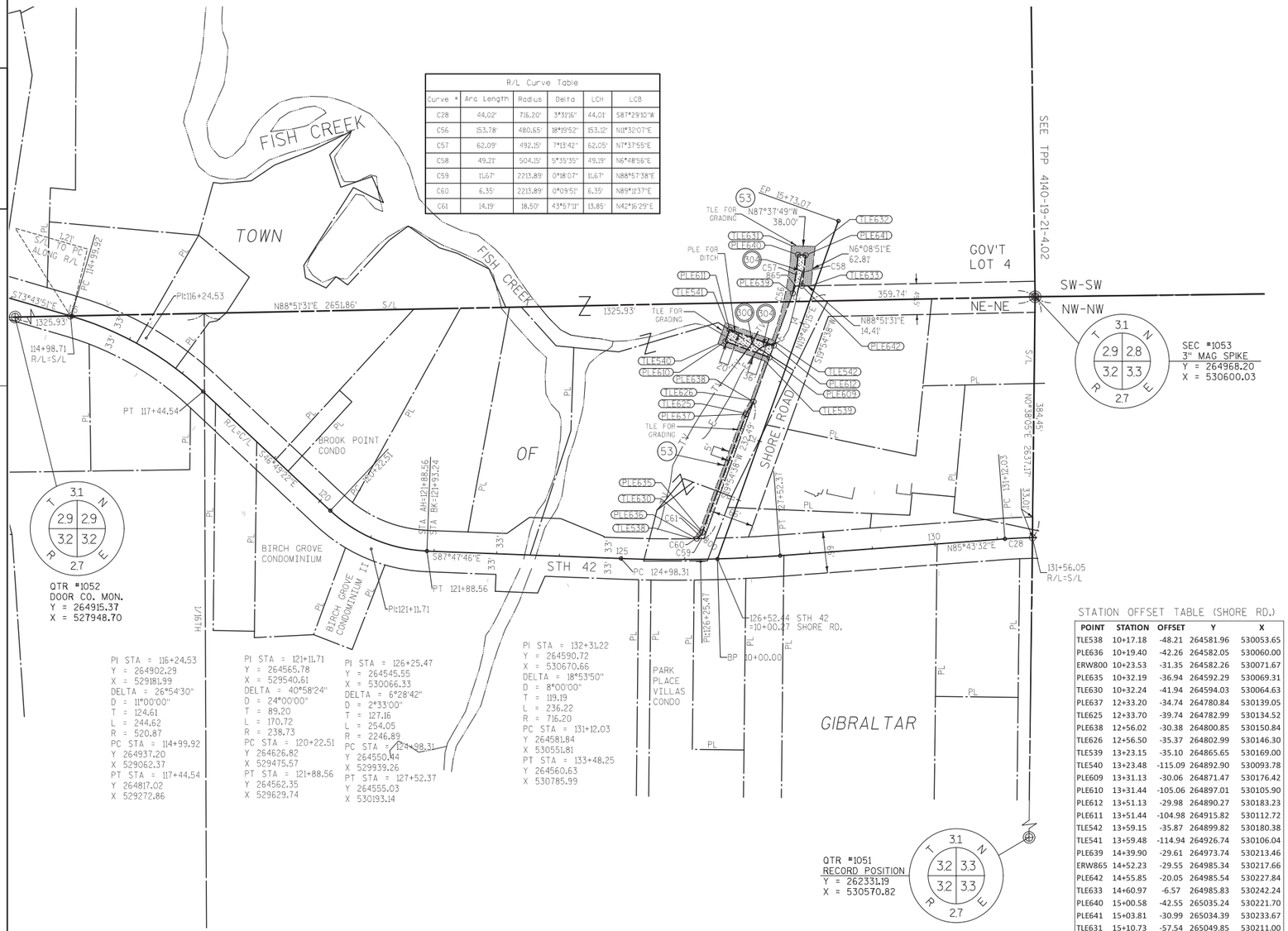
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A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS 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.

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

RIGHT OF WAY REFERENCE LINE IS NOT THE SAME AS THE CONSTRUCTION REFERENCE LINE.
RIGHT OF WAY REFERENCE LINE MATCHES ALIGNMENT SHOWN ON MONUMENTATION PLAT 4140-21-00.

R/L Curve Table					
Curve #	Arc Length	Radius	Delta	LCH	LCB
C28	44.02'	716.20'	3°31'16"	44.01'	S87°29'10"W
C56	153.78'	480.65'	18°19'52"	153.12'	N11°32'07"E
C57	62.09'	492.15'	7°13'42"	62.05'	N7°37'55"E
C58	49.21'	504.15'	5°35'35"	49.19'	N6°48'56"E
C59	11.67'	2213.89'	0°18'07"	11.67'	N88°57'38"E
C60	6.35'	2213.89'	0°09'51"	6.35'	N89°11'37"E
C61	14.19'	18.50'	43°57'11"	13.85'	N42°16'29"E



STATION OFFSET TABLE (SHORE RD.)

POINT	STATION	OFFSET	Y	X
TLE538	10+17.18	-48.21	264581.96	530053.65
PLE636	10+19.40	-42.26	264582.05	530060.00
ERW800	10+23.53	-31.35	264582.26	530071.67
PLE635	10+32.19	-36.94	264592.29	530069.31
TLE630	10+32.24	-41.94	264594.03	530064.63
PLE637	12+33.20	-34.74	264780.84	530139.05
TLE625	12+33.70	-39.74	264782.99	530134.52
PLE638	12+56.02	-30.38	264800.85	530150.84
TLE626	12+56.50	-35.37	264802.99	530146.30
TLE539	13+23.15	-35.10	264865.65	530169.00
TLE540	13+23.48	-115.09	264892.90	530093.78
PLE609	13+31.13	-30.06	264871.47	530176.42
PLE610	13+31.44	-105.06	264897.01	530105.90
PLE612	13+51.13	-29.98	264890.27	530183.23
PLE611	13+51.44	-104.98	264915.82	530112.72
TLE542	13+59.15	-35.87	264899.82	530180.38
TLE541	13+59.48	-114.94	264926.74	530106.04
PLE639	14+39.90	-29.61	264973.74	530213.46
ERW865	14+52.23	-29.55	264985.34	530217.66
PLE642	14+55.85	-20.05	264985.54	530227.84
TLE633	14+60.97	-6.57	264985.83	530242.24
PLE640	15+00.58	-42.55	265035.24	530221.70
PLE641	15+03.81	-30.99	265034.39	530233.67
TLE631	15+10.73	-57.54	265049.85	530211.00
TLE632	15+22.03	-21.26	265048.28	530248.97

COURSE TABLE

POINT	TO POINT	BEARING	DIST.
PLE609	PLE610	N70°05'22"W	75.00'
PLE610	PLE611	N19°54'38"E	20.00'
PLE611	PLE612	S70°05'22"E	75.00'
PLE612	PLE609	S19°54'38"W	20.00'
PLE612	PLE639	N19°54'38"E	88.77"
PLE640	PLE641	S85°55'27"E	12.00'
PLE642	ERW865	S88°51'31"W	10.17'
ERW865	PLE639	S19°54'38"W	12.33'
PLE635	PLE637	N20°17'54"E	201.03'
PLE637	PLE638	N30°30'04"E	23.23'
TLE538	TLE630	N42°16'20"E	16.31'
TLE630	TLE625	N20°17'54"E	201.47'
TLE625	TLE626	N30°30'04"E	23.21'
TLE626	TLE539	N19°54'38"E	66.64'
TLE539	TLE540	N70°05'22"W	80.00'
TLE540	TLE541	N19°54'38"E	36.00'
TLE541	TLE542	S70°05'22"E	79.07'

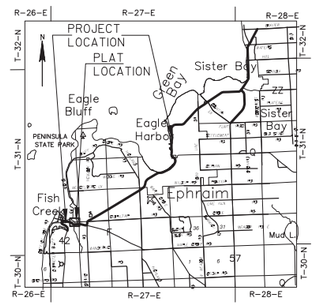
CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE		ACCESS POINT/ DRIVEWAY CONNECTION	AP
SECTION LINE		ACCESS RIGHTS	AR
QUARTER LINE		ACRES	AC.
SIXTEENTH LINE		AND OTHERS	ET.AL.
PROPOSED REFERENCE LINE		CENTERLINE	C/L
PROPOSED R/W LINE		CERTIFIED SURVEY MAP	CSM
EXISTING R/W LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MEANDER LINE	ML
EXISTING CENTERLINE		MONUMENT	MON.
LOT & TIE LINES		PAGE	P.
WATERMAIN	W	PERMANENT LIMITED ESEMENT	PLE
SANITARY SEWER	SAN	PROPERTY LINE	PL
TELEPHONE	T	RECORDED AS	(100')
ELECTRIC	E	REFERENCE LINE	R/L
FIBER OPTIC	FO	REMAINING	REM.
GAS	G	RIGHT-OF-WAY	R/W
OVERHEAD ELECTRIC	OH	SECTION	SEC.
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		SECTION LINE	S/L
ACCESS RESTRICTED (BY ACQUISITION)		SQUARE FEET	SQ.FT.
NO ACCESS (BY STATUTORY AUTHORITY)		STATION	STA.
FEE (HATCH VARIES)		TEMPORARY LIMITED EASEMENT	TLE
TEMPORARY LIMITED EASEMENT		VOLUME	V.
PERMANENT LIMITED EASEMENT			
PARCEL NUMBER	(10)		
UTILITY PARCEL NUMBER	(82)		
SIGN NUMBER (OFF PREMISE)	(21-1)		
BUILDING			
FOUND IRON PIPE/PIN	(1" UNLESS NOTED)		
R/W MONUMENT	○ ●(SET)		
R/W STANDARD	△ ▲(SET)		
SIGN	SIGN		
SECTION CORNER SYMBOL	N.T.S.		

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		



KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6669

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

WISCONSIN
GARY D. SCHNEIDER S-1297 West Bend Wisconsin
LAND SURVEYOR

SIGNATURE _____ DATE 05/11/2018
GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED BY THE TOWN OF GIBRALTAR.

SIGNATURE _____ DATE _____
PRINT _____

FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG
PLOT DATE : 5/14/2018 9:54 AM PLOT BY : RAISA KHAYTINA PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : _____

5

5

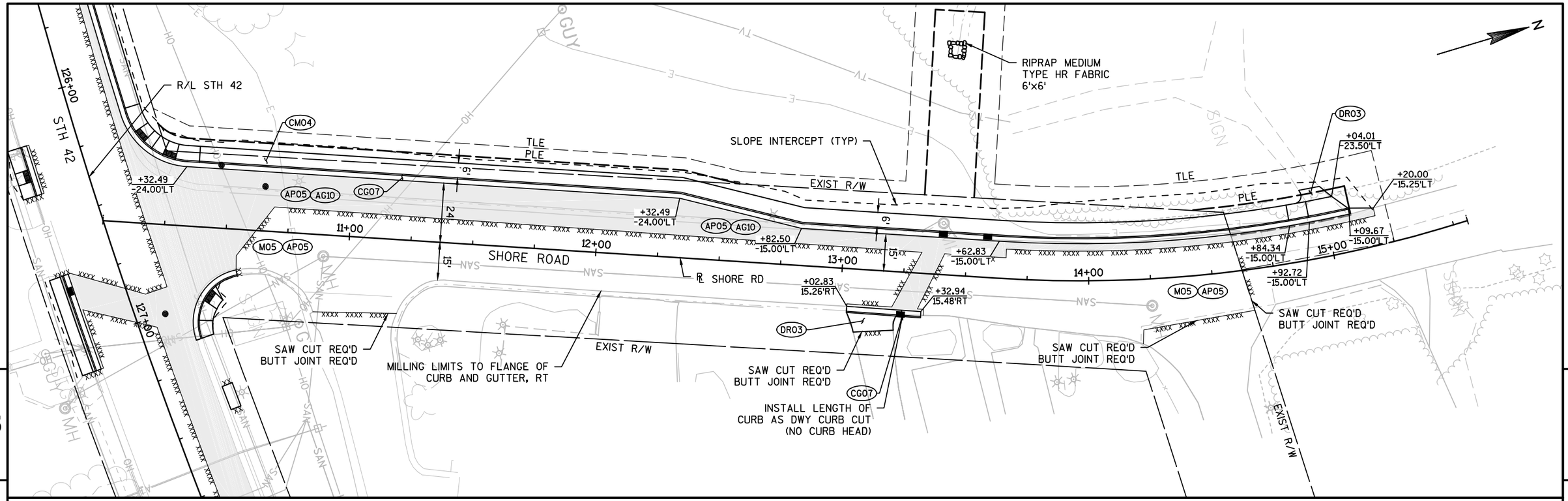
LEGEND

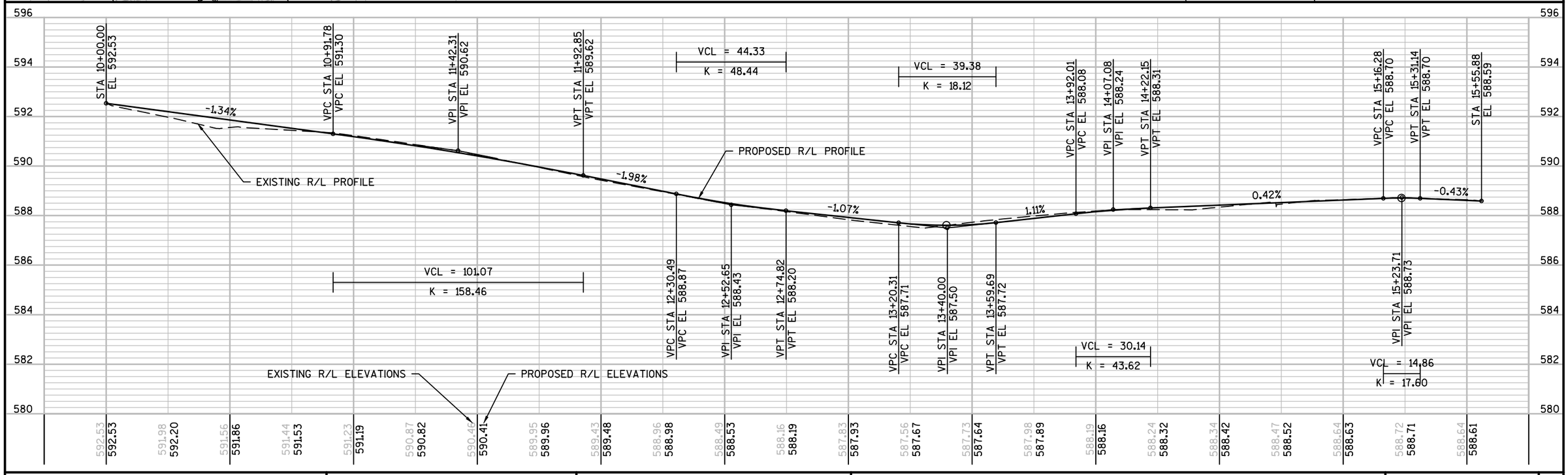
DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS
AG02	SELECT CRUSHED MATERIAL
AG10	10-INCHES BASE AGGREGATE DENSE 1¼-INCH
AP01	1¾-INCHES HMA PAVEMENT LT 58-28 S
AP02	2-INCHES HMA PAVEMENT LT 58-28 S
AP04	4-INCHES HMA PAVEMENT LT 58-28 S
AP05	5-INCHES HMA PAVEMENT LT 58-28 S
AS03	3-INCHES ASPHALTIC SURFACE
CC02	CONCRETE CURB TYPE D
CG05	CONCRETE CURB AND GUTTER 18-INCH, TYPE D
CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CG08	CONCRETE CURB AND GUTTER 4-INCH SLOPED 30 INCH, TYPE J
CM04	CONCRETE SIDEWALK 4-INCH OVER 3-INCHES BASE AGGREGATE DENSE 1¼-INCH
CM06	CONCRETE DRIVEWAY APRON 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH
CMC1	COLORED CONCRETE WEATHERED TERRA COTTA
CR01	CURB RAMP, SEE CONST. DETAILS AND SDD
MO2	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
MO5	REMOVING ASPHALTIC SURFACE MILLING 5-INCH
PAV1	CROSSWALK APRON PAVERS
PED1	PEDESTRIAN CURB
SM01	ADJUSTING MANHOLE COVERS
xxxx	SAW CUT
	FULL DEPTH REPLACEMENT



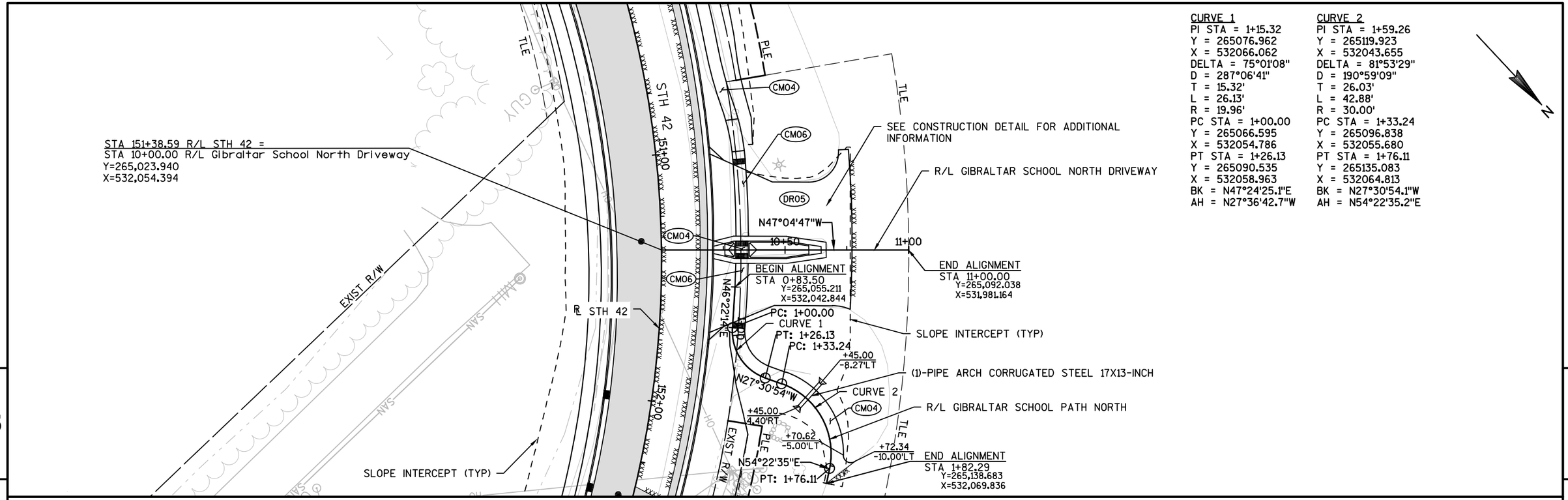
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: GIBRALTAR BEACH PARKING AREA	SHEET 270 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050106-PP.DWG
LAYOUT NAME - 050106-PP
PLOT DATE : 10/11/2018 7:38 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



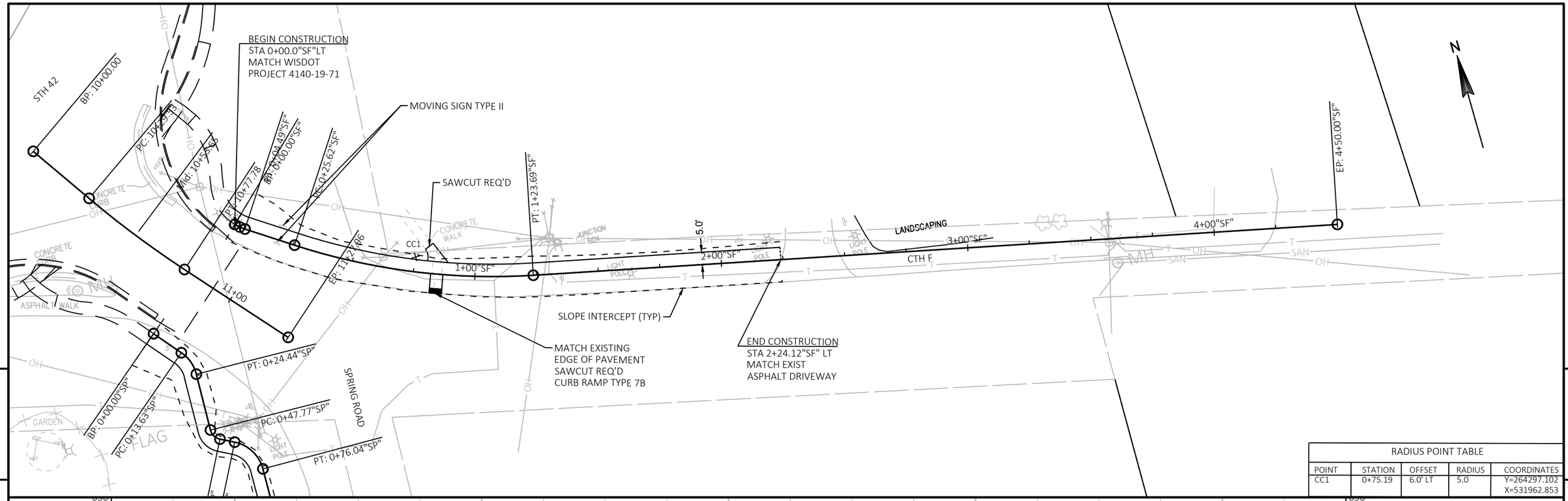


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: SHORE ROAD	SHEET 271 E

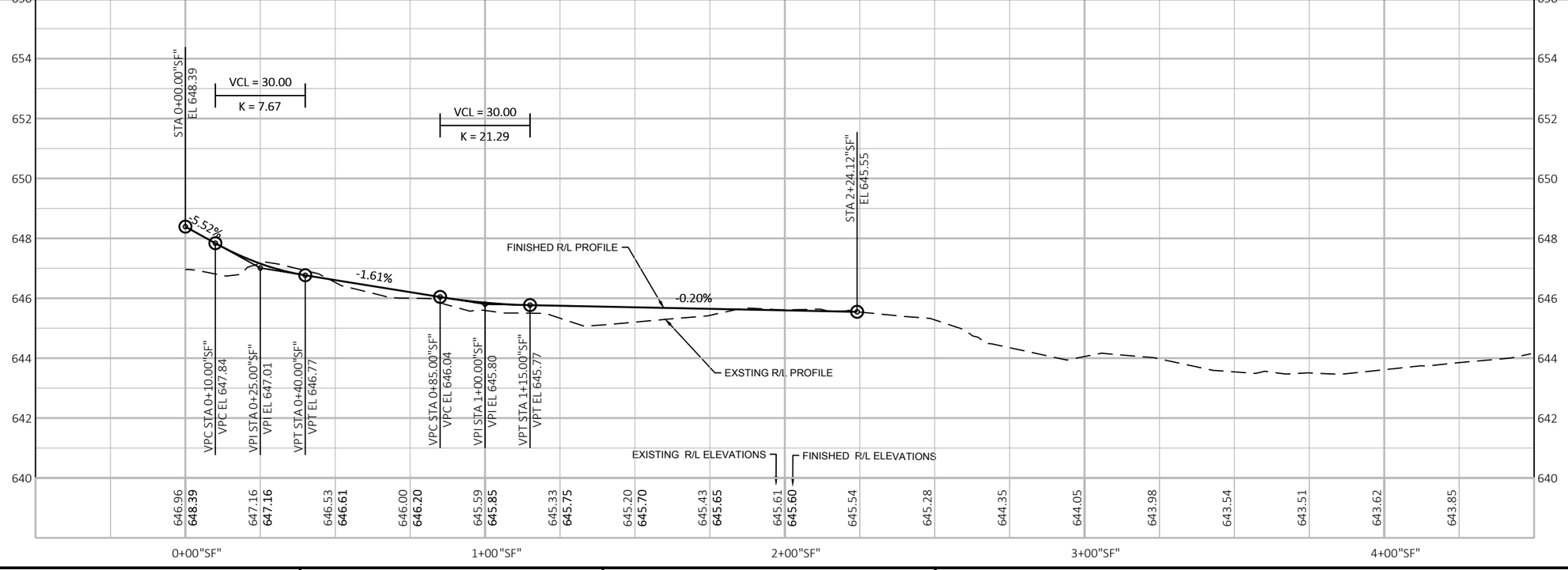


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: GIBRALTAR SCHOOL NORTH DRIVEWAY	SHEET 272 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050106-PP.DWG
LAYOUT NAME - 050108-PP
PLOT DATE : 10/11/2018 7:40 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

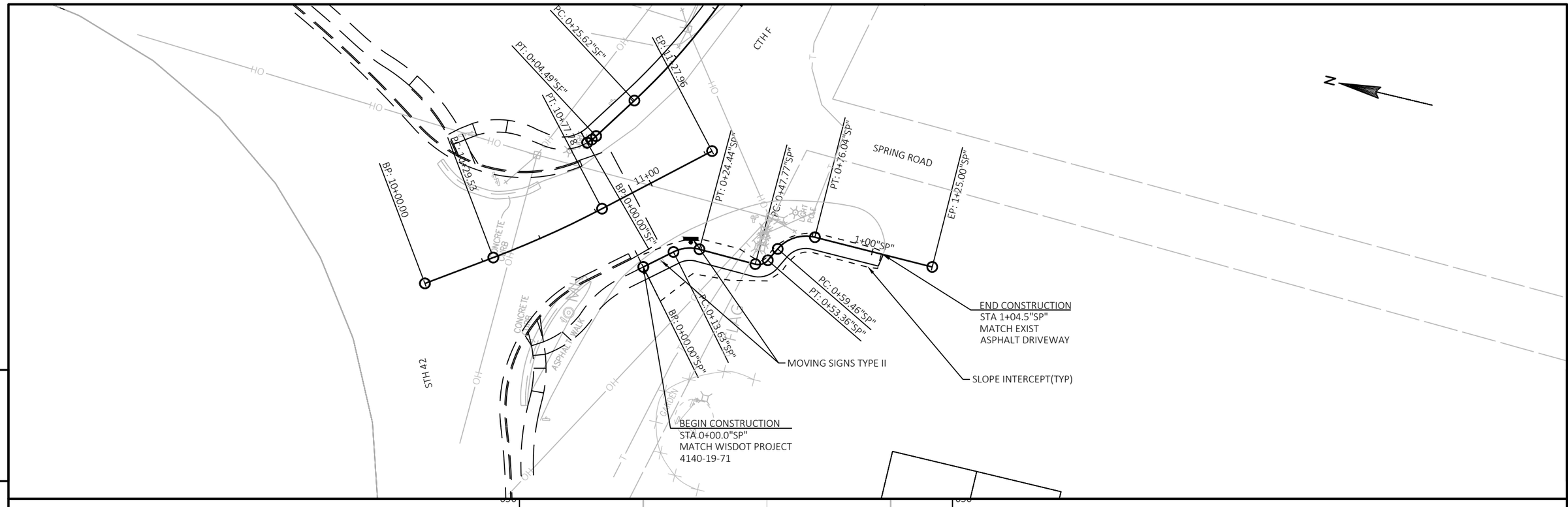


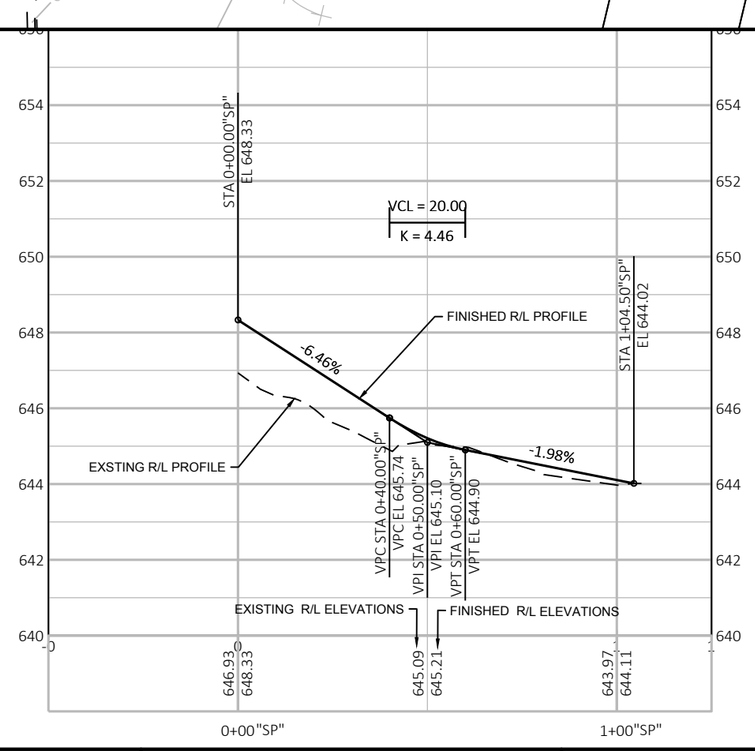
RADIUS POINT TABLE				
POINT	STATION	OFFSET	RADIUS	COORDINATES
CC1	0+75.19	6.0' LT	5.0	Y=264297.102 X=531962.853



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: CTH F SIDEWALK	SHEET 273 E

FILE NAME : P:\UZ\W\WIDOT\COMMON\STAUFFER\12345678\SHEETSPLAN\050101 PP.DWG
LAYOUT NAME - 2
PLOT DATE : 7/24/2018 9:55 AM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: SPRING ROAD SIDEWALK	SHEET 274	E

FILE NAME : P:\UZ\W\WIDOT\COMMON\STAUFFER\12345678\SHEETSPLAN\050102 PP.DWG
LAYOUT NAME - 3

PLOT DATE : 7/24/2018 9:55 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS
AG02	SELECT CRUSHED MATERIAL
AG10	10-INCHES BASE AGGREGATE DENSE 1¼-INCH
AP01	1¾-INCHES HMA PAVEMENT LT 58-28 S
AP02	2-INCHES HMA PAVEMENT LT 58-28 S
AP04	4-INCHES HMA PAVEMENT LT 58-28 S
AP05	5-INCHES HMA PAVEMENT LT 58-28 S
AS03	3-INCHES ASPHALTIC SURFACE
CC02	CONCRETE CURB TYPE D
CG05	CONCRETE CURB AND GUTTER 18-INCH, TYPE D
CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CG08	CONCRETE CURB AND GUTTER 4-INCH SLOPED 30 INCH, TYPE J
CM04	CONCRETE SIDEWALK 4-INCH OVER 3-INCH BASE AGGREGATE DENSE 1 ¼-INCH
CM06	CONCRETE DRIVEWAY APRON 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH
CMC1	COLORED CONCRETE WEATHERED TERRA COTTA
CR01	CURB RAMP, SEE CONST. DETAILS AND SDD
M02	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
M05	REMOVING ASPHALTIC SURFACE MILLING 5-INCH
PAV1	CROSSWALK APRON PAVERS
PED1	PEDESTRIAN CURB
SM01	ADJUSTING MANHOLE COVERS
xxxx	SAW CUT
	FULL DEPTH REPLACEMENT

N

EXIST R/W

MILLING LIMITS TO FLANGE OF CURB AND GUTTER, TYP

+50.00
-18.71'LT

BEGIN PROJECT
STA 96+50.00
Y=265,015.713
X=527,544.501

AP02 M02

R/L STH 42

96+00

97+00

95+00

STH 42

+50.00
21.46'RT

+70.39
21.45'RT

EXIST R/W

MH

+95.36
45.05'RT

+95.81
48.51'RT

CG07

AP02 AB04

CM04

+50.73
21.02'RT

EXIST R/W

CR01

MILLING LIMITS TO FLANGE OF CURB AND GUTTER, TYP

+25.70
46.44'RT

+27.67
46.02'RT

+39.98
52.46'RT

SLOPE INTERCEPT (TYP)

ASPHALT CURB

BLUFF LANE

STA 96+00.00 MATCH LINE

5

5

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 275	E

97+90.00 MATCH LINE

5

5

EXIST R/W

HO HO HO

5

5

100+80.00 MATCH LINE

103+75.00 MATCH LINE

101+00

102+00

103+00

EXIST R/W

R/L STH 42

STH 42

DO NOT DISTURB EXISTING
STONE RETAINING WALL OR PILLARS.
HISTORICAL PROPERTY

+33.41
-28.70'LT

CR01

CM04

+30.42
-19.34'LT

+09.69
-19.32'LT

CG07

AB04 AP02

+47.73
-21.50'LT

+57.73
-21.48'LT

AP02 M02

EXISTING RAILING TO REMAIN

DO NOT DISTURB STEPS
HISTORICAL PROPERTY

+13.81
8.07'RT

ABO4 AP02

+80.93
19.98'RT

+27.72
20.61'RT

AP02 AB04

+47.39
20.60'RT

CG07

+64.61
27.23'RT

ABO4 AP02

PED1

CM04

+70.36
40.50'RT

+70.41
43.42'RT

CG07

SM01

+24.11
32.59'RT

+34.11
32.59'RT

CM04

EXIST R/W

+06.64
41.58'RT

SM01

CR01

PED1

TLE

EXIST R/W

PRW

DO NOT DISTURB EXISTING
RETAINING WALL

MILLING LIMITS TO FLANGE
OF CURB AND GUTTER, TYP

+70.42
49.86'RT

+08.67
49.77'RT

MATCH EXISTING ENTRANCE

EXIST R/W

HILL ST

EXIST R/W

SIGN

GUY POLE

MH

HO

SAN

W

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 277	E

5

103+75.00 MATCH LINE

106+75.00 MATCH LINE

5

N

SIGN

SIGN

EXIST R/W

HO

W

OH

SAN

MH

+22.56
-27.68'LT

+50.89
-27.63'LT

CM04

XXXX XXXX XXXX XXXX XXXX

AB04

CG07

AP02

R/L STH 42

AP02 M02

STH 42

104+00

105+00

106+00

+83.02
6.58'RT

XXXX XXXX XXXX XXXX XXXX XXXX

AB04 AP02

+49.03
20.53'RT

+66.13
28.50'RT

+76.13
28.48'RT

CM04

BM601

EXIST R/W

MILLING LIMITS TO FLANGE
OF CURB AND GUTTER, TYP

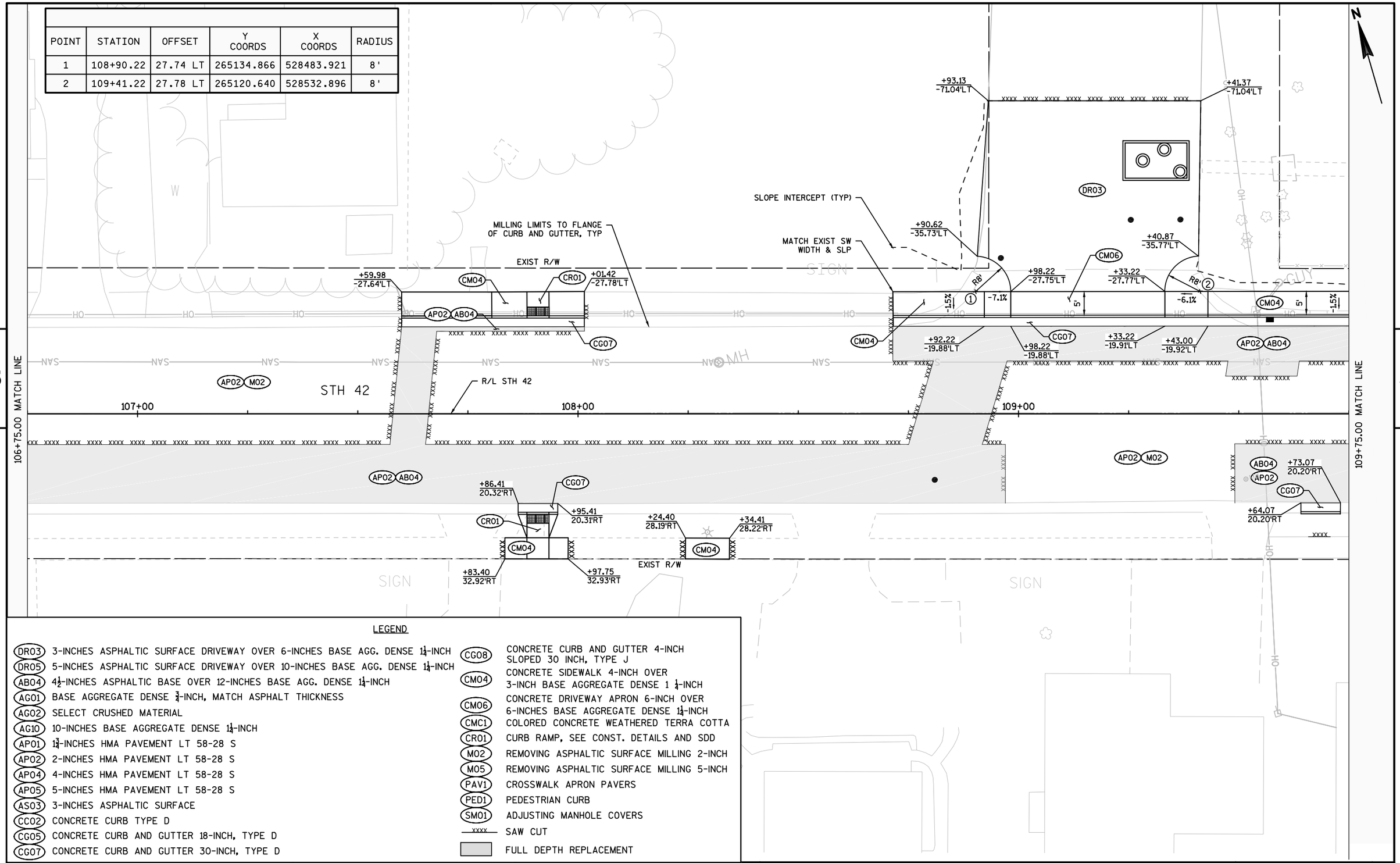
+66.81
6.98'RT

AP02 AB04

BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM601	595.23'	PK PPOL# 3127-29L41 28FT WEST OF THE CENTERLINE OF STH-42 AND 100FT +- NORTH OF HILL ST

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 278	E

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
1	108+90.22	27.74 LT	265134.866	528483.921	8'
2	109+41.22	27.78 LT	265120.640	528532.896	8'



LEGEND

DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS
AG02	SELECT CRUSHED MATERIAL
AG10	10-INCHES BASE AGGREGATE DENSE 1¼-INCH
AP01	1¾-INCHES HMA PAVEMENT LT 58-28 S
AP02	2-INCHES HMA PAVEMENT LT 58-28 S
AP04	4-INCHES HMA PAVEMENT LT 58-28 S
AP05	5-INCHES HMA PAVEMENT LT 58-28 S
AS03	3-INCHES ASPHALTIC SURFACE
CC02	CONCRETE CURB TYPE D
CG05	CONCRETE CURB AND GUTTER 18-INCH, TYPE D
CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CG08	CONCRETE CURB AND GUTTER 4-INCH SLOPED 30 INCH, TYPE J
CM04	CONCRETE SIDEWALK 4-INCH OVER 3-INCH BASE AGGREGATE DENSE 1 ¼-INCH
CM06	CONCRETE DRIVEWAY APRON 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH
CMC1	COLORED CONCRETE WEATHERED TERRA COTTA
CR01	CURB RAMP, SEE CONST. DETAILS AND SDD
M02	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
M05	REMOVING ASPHALTIC SURFACE MILLING 5-INCH
PAV1	CROSSWALK APRON PAVERS
PED1	PEDESTRIAN CURB
SM01	ADJUSTING MANHOLE COVERS
xxxx	SAW CUT
	FULL DEPTH REPLACEMENT

5

5

109+75.00 MATCH LINE

112+75.00 MATCH LINE

SLOPE INTERCEPT (TYP)

CM04

5'

+81.21
-27.76'LT

CG07

AB04 AP02

AP02 M02

+96.07
-27.80'LT

CM04

+06.07
-27.74'LT

EXIST R/W

MILLING LIMITS TO FLANGE
OF CURB AND GUTTER, TYP

CR01

CM04

+50.24
-23.39'LT

+55.25
-19.93'LT

CG07

AP02 AB04

R/L STH 42

110+00

111+00

112+00

STH 42

+81.45
6.86'RT

AB04 AP02

AP02 M02

AP02 AB04

+61.93
20.01'RT

CG07

DR03

CR01

CM04

EXIST R/W

U/C

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 280	E

5

5

112+75.00 MATCH LINE

115+75.00 MATCH LINE

MILLING LIMITS TO FLANGE OF CURB AND GUTTER, TYP

EXIST R/W

+78.17
27.83'LT

CM04

CG07

AB04 AP02

BM602

AP02 M02

R/L STH 42

STH 42

113+00

114+00

115+00

AB04 AP02

CG07

+88.55
27.90'RT

CM04

DR03

+04.00
23.47'RT

+14.00
23.45'RT

CM04

EXIST R/W

AP02 M02

BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM602	598.58'	RR SPIKE PPOL# 3127-29R8 30FT EAST OF THE CENTERLINE OF STH-42 AND ACROSS STH-42 FROM THE GIBRALTER COMMUNITY CENTER

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 281	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050207-PN

PLOT DATE : 10/16/2018 8:49 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

5

MILLING LIMITS TO FLANGE
OF CURB AND GUTTER, TYP

EXIST R/W

R/L STH 42

STH 42

116+00

117+00

118+00

115+75.00 MATCH LINE

118+75.00 MATCH LINE

CM04
+01.25
-23.15'LT
+10.82
-22.98'LT

AP02 M02

CR01
+42.88
-27.34'LT
CM04
+63.37
-27.63'LT
CG07
AB04 AP02

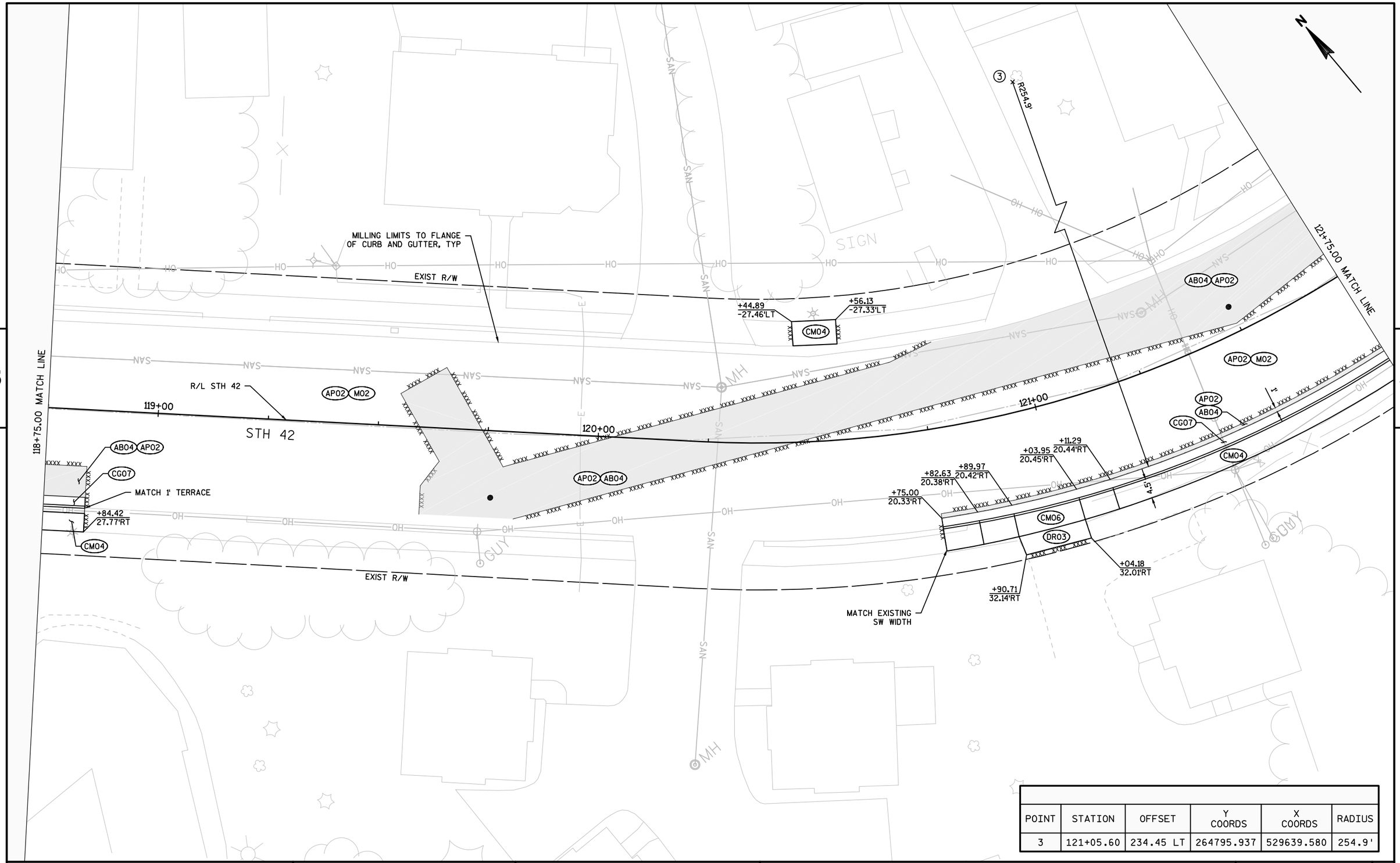
CG07
AP02 AB04
+39.41
22.85'RT
+58.98
22.40'RT
CM04
+34.13
28.04'RT
+63.36
28.11'RT
CR01

AP02 M02

AP02 AB04
CG07
MATCH 1' TERRACE
CM04
+63.74
27.80'RT

SIGN
GUY
MH
HO
OH
SAN
W
OT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 282 E



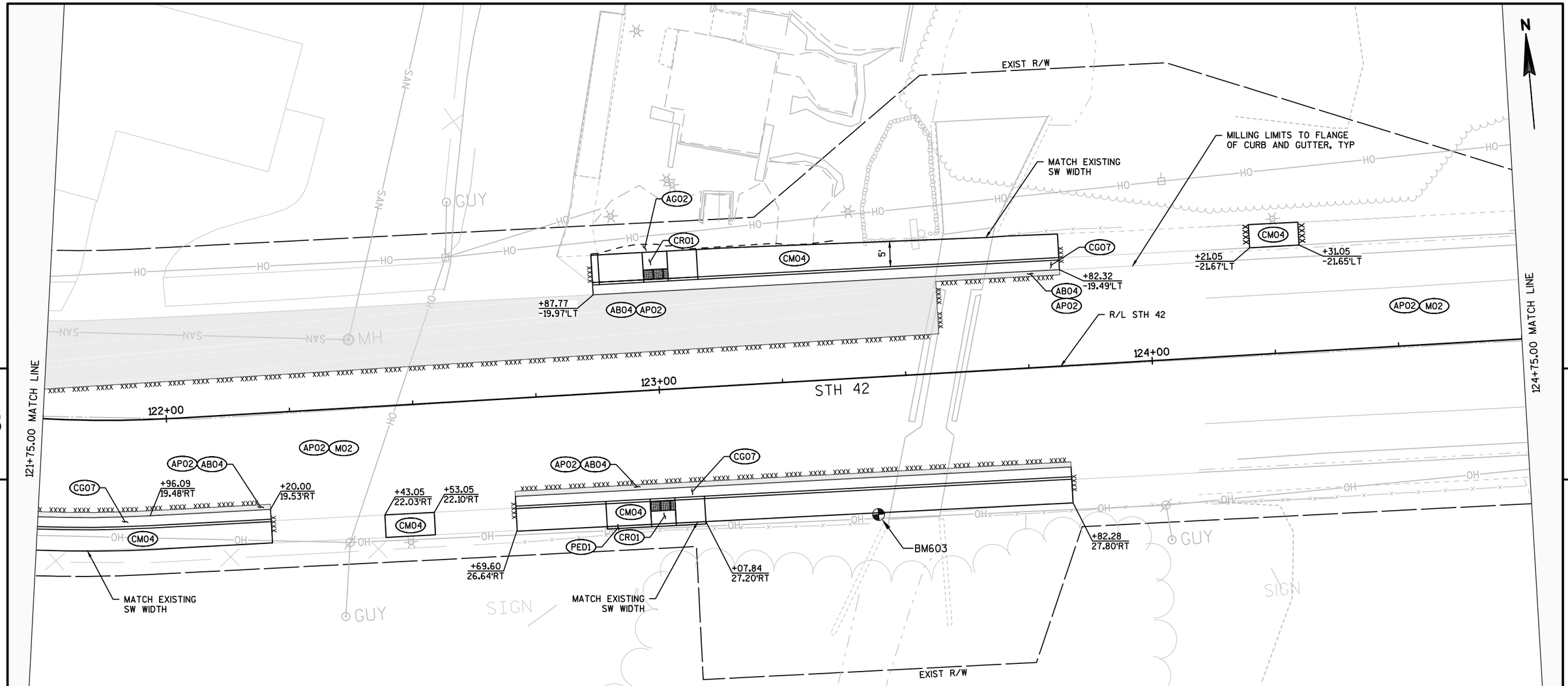
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
3	121+05.60	234.45 LT	264795.937	529639.580	254.9'

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 283 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050209-PN

PLOT DATE : 10/16/2018 8:50 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44



BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM603	600.03'	CHISELED X ON THE EASTERLY BOLT ON THE SOUTHWEST PARAPET WALL BOX CULVERT NO C-15-21-65 30FT WEST OF THE CENTERLINE OF STH-42, STH-42 OVER FISH CREEK

LEGEND

DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS
AG02	SELECT CRUSHED MATERIAL
AG10	10-INCHES BASE AGGREGATE DENSE 1¼-INCH
AP01	1¾-INCHES HMA PAVEMENT LT 58-28 S
AP02	2-INCHES HMA PAVEMENT LT 58-28 S
AP04	4-INCHES HMA PAVEMENT LT 58-28 S
AP05	5-INCHES HMA PAVEMENT LT 58-28 S
AS03	3-INCHES ASPHALTIC SURFACE
CC02	CONCRETE CURB TYPE D
CG05	CONCRETE CURB AND GUTTER 18-INCH, TYPE D
CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CG08	CONCRETE CURB AND GUTTER 4-INCH SLOPED 30 INCH, TYPE J
CM04	CONCRETE SIDEWALK 4-INCH OVER 3-INCH BASE AGGREGATE DENSE 1 ¼-INCH
CM06	CONCRETE DRIVEWAY APRON 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH
CMC1	COLORED CONCRETE WEATHERED TERRA COTTA
CR01	CURB RAMP, SEE CONST. DETAILS AND SDD
M02	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
M05	REMOVING ASPHALTIC SURFACE MILLING 5-INCH
PAV1	CROSSWALK APRON PAVERS
PED1	PEDESTRIAN CURB
SM01	ADJUSTING MANHOLE COVERS
xxxx	SAW CUT
	FULL DEPTH REPLACEMENT

RECONSTRUCT LEFT SIDE OF SHORE ROAD (10-INCHES BASE AGGREGATE DENSE 1-1/4-INCH, 5-INCHES HMA PAVEMENT)
REMOVE ASPHALTIC SURFACE MILLING ON RIGHT SIDE OF SHORE ROAD (5-INCHES HMA PAVEMENT)

5

124+75.00 MATCH LINE

127+75.00 MATCH LINE

5

N

SHORE RD

R/L SHORE RD

EXIST R/W

STH 42

R/L STH 42

125+00

126+00

127+00

EXISTING DRIVEWAY ENTRANCE TO REMAIN

SLOPE INTERCEPT (TYP)

+27.34 -26.75'LT

+37.34 -27.39'LT

+45.77 -39.03'LT

+17.49 -19.77'LT

+92.74 -44.82'LT

+14.59 -20.22'LT

+35.90 -28.07'LT

+46.04 -28.14'LT

4 R30'

5 R21.5'

CR01

CM04

CG07

AB04

AP02

AP05

AG10

M05

M02

6'

12'

12'

11"SP

TLE

PLE

MILLING LIMITS TO FLANGE OF CURB AND GUTTER, TYPICAL

+18.40 28.55'RT

+38.67 28.12'RT

SLOPE INTERCEPT

MATCH EXISTING SW WIDTH

+72.56 28.19'RT

+12.70 27.99'RT

MATCH 1' TERRACE

MATCH EXISTING SW WIDTH

SLOPE INTERCEPT (TYP)

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
4	126+17.15	49.77 LT	264598.711	530051.963	30'
5	127+14.47	41.72 LT	264593.356	530147.330	21.5'

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 285	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050211-PN

PLOT DATE : 10/16/2018 8:50 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

ELM STREET

STH 42

R/L STH 42

127+75.00 MATCH LINE

130+00

130+75.00 MATCH LINE

5

5

N

SLOPE INTERCEPT (TYP)

MATCH EXISTING SW WIDTH

EXIST R/W

+19.09
-27.92'LT

+32.90
-27.97'LT

MATCH 1' TERRACE

CM04

CG07

AB04
AP02

13'

7'

MATCH EXISTING SW WIDTH

+67.87
-28.36'LT

CR01

+51.03
-28.35'LT

MATCH 1' TERRACE

AP02
M02

MILLING LIMITS TO FLANGE OF CURB AND GUTTER, TYPICAL

+56.56
27.54'RT

+18.97
27.16'RT

+48.34
27.51'RT

+66.10
27.68'RT

MATCH EXISTING SW WIDTH

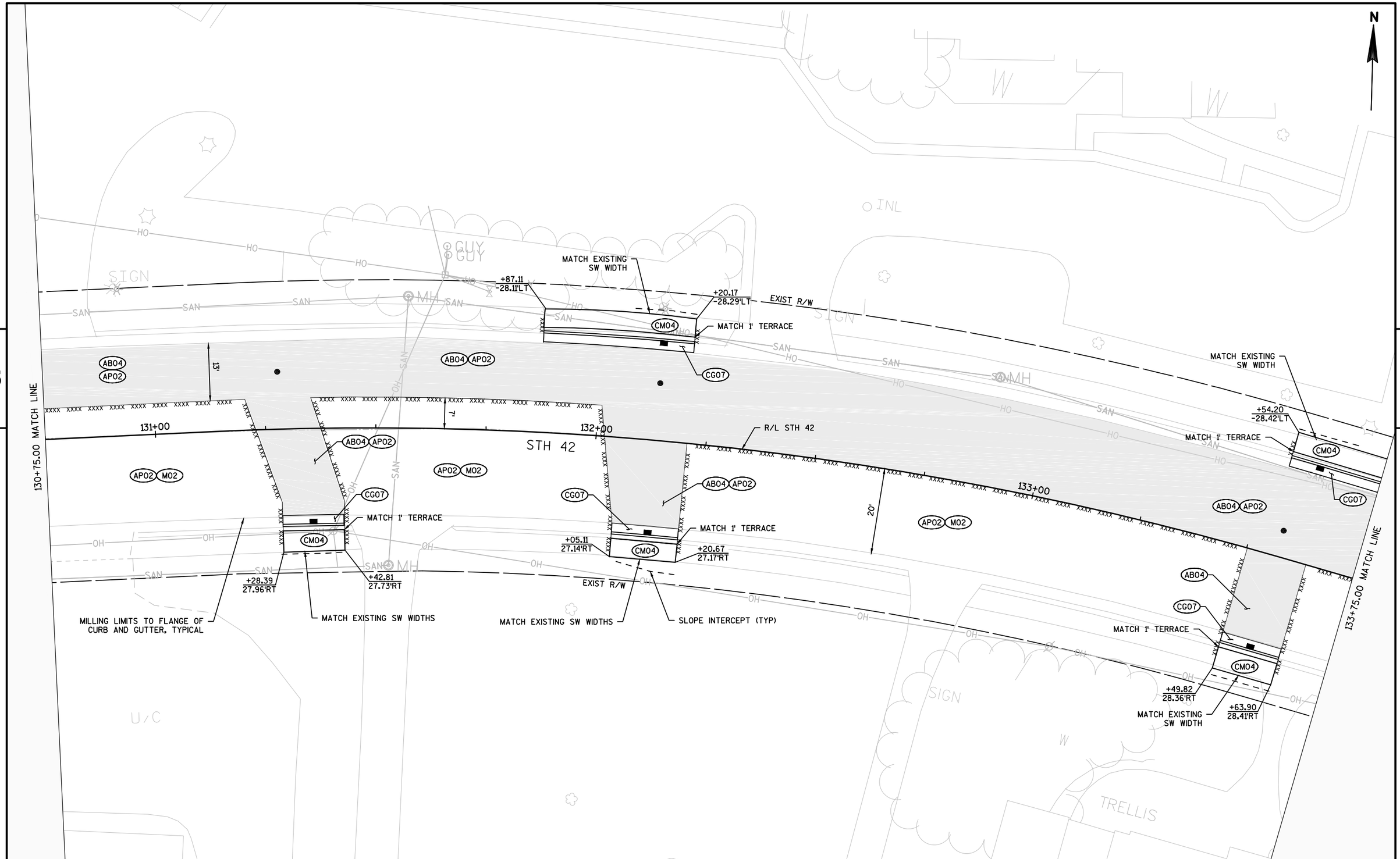
ASPHALTIC SURFACE

SLOPE INTERCEPT (TYP)

PLE

TLE

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 286	E



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 287	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050213-PN

PLOT DATE : 10/16/2018 8:51 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

NOTE: SEE ALIGNMENT PLAN - BACK OF SIDEWALK AND FLANGE LINES FOR ADDITIONAL INFORMATION

N

SPV.0105.01 RETAINING WALL PLANTING AREA
SEE VINE PLANTING DETAIL

RELOCATE SANITARY CLEANOUT (WORK DONE BY OTHERS)

DO NOT TRESPASS OR DISTURB PRIVATE PROPERTY. CONSTRUCTION VEHICLES AND PERSONNEL TO COMPLETE WORK WITHIN EXISTING R/W

SLOPE INTERCEPT (TYP)

RETAINING WALL
R-15-0011

BACK OF SIDEWALK TERRACE
BREAK POINT (+4%)

+65.17
-29.25'LT

+70.34
-30.72'LT

+91.00
-26.00'LT

+60.00
-27.79'LT

+40.99
-28.12'LT

+81.73
-30.78'LT

TLE

EXIST R/W

+85.96
-28.08'LT

+35.05
-28.09'LT

CM04

DR03

CM06

CG07

-4.2%

-8.1%

6'

7.5'

+35.00
-20.00'LT

+40.00
-20.00'LT

+64.77
-24.60'LT

+64.80
-16.00'LT

+69.78
-16.00'LT

+82.09
-16.00'LT

+97.10
-16.00'LT

16'

AB04 AP02

AB04 AP01

AP04 M02

R/L STH 42

134+00

135+00

136+00

STH 42

133+75.00 MATCH LINE

136+75.00 MATCH LINE

AP02 M02

TRANSITION FROM 2-INCH
OVERLAY TO 4-INCH OVERLAY
BETWEEN STA 134+35 TO 134+85

+60.00
20.00'RT

+73.24
20.05'RT

+78.24
20.06'RT

+10.94
20.00'RT

+21.73
19.51'RT

20'

CG07

AB04

+98.19
16.00'RT

BM604

CM04

CM06

+06.82
20.10'RT

-3.1%

-8.8%

9'

+11.13
28.50'RT

+61.09
26.21'RT

+61.09
28.00'RT

+98.38
24.50'RT

CMC1

AG02

+78.21
28.54'RT

+82.28
37.22'RT

DR03

+05.95
37.22'RT

EXIST R/W

TLE

SLOPE INTERCEPT (TYP)

RETAINING WALL
R-15-0012

BENCHMARK TABLE

POINT	ELEVATION	DESCRIPTION
BM604	598.77'	RR SPIKE PPOL*3127-33W6 30FT WEST OF THE CENTERLINE OF STH-42 AND 15FT SOUTH OF WINDMILL LANE & GREYWOOD ROAD & 30FT+- NORTH OF THE ENTRANCE TO THE GIBRALTER GRILL

NOTE: SEE ALIGNMENT PLAN - BACK OF SIDEWALK AND FLANGE LINES FOR ADDITIONAL INFORMATION

DO NOT TRESPASS OR DISTURB PRIVATE PROPERTY. CONSTRUCTION VEHICLES AND PERSONNEL TO COMPLETE WORK WITHIN EXISTING R/W.

RETAINING WALL R-15-0011

136+75.00 MATCH LINE

139+75.00 MATCH LINE

5

5

+85.00 -26.00'LT

+89.73 -32.51'LT

+24.80 -32.48'LT

+40.77 -28.32'LT

+75.77 -28.32'LT

+45.21 -34.00'LT

+63.96 -34.00'LT

+72.30 -32.39'LT

+40.00 -26.50'LT

+90.78 -24.50'LT

TLE

EXIST R/W

5-FT CHAIN LINK FENCE

SLOPE INTERCEPT (TYP)

ROCK WALL FACE

DR03

CM06

CM04

AG02

PED1

7.5'

6'

9.5'

-0.3%

-9.6%

-3.5%

-11.5%

-1.7%

-11.4%

+85.00 -16.00'LT

+89.73 -16.00'LT

+24.92 -16.00'LT

+38.01 -16.00'LT

+41.13 -16.00'LT

+75.82 -16.00'LT

+90.81 -16.00'LT

+39.71 -16.00'LT

+44.71 -16.00'LT

+66.20 -16.00'LT

+81.20 -16.00'LT

+51.89 -16.00'LT

28.5:1 TAPER

CG07

AP04 M02

ABO4 AP01

CM04

ROTATE & ALIGN MH (WORK DONE BY OTHERS)

2-INCH CURB HEAD

R/L STH 42

137+00

138+00

139+00

STH 42

16'

+77.62 16.00'RT

+72.62 16.00'RT

+95.41 16.00'RT

+10.41 16.00'RT

AB04 AP01

CG07

CM04

CM06

-1.4%

-11.5%

+77.62 24.50'RT

DR03

+95.41 24.50'RT

EXIST R/W

+52.99 27.58'RT

+79.86 32.77'RT

+96.56 31.27'RT

SLOPE INTERCEPT (TYP)

RETAINING WALL R-15-0012

DO NOT DISTURB RETAINING WALL

TLE

LEGEND

DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS
AG02	SELECT CRUSHED MATERIAL
AG10	10-INCHES BASE AGGREGATE DENSE 1¼-INCH
AP01	1¾-INCHES HMA PAVEMENT LT 58-28 S
AP02	2-INCHES HMA PAVEMENT LT 58-28 S
AP04	4-INCHES HMA PAVEMENT LT 58-28 S
AP05	5-INCHES HMA PAVEMENT LT 58-28 S
AS03	3-INCHES ASPHALTIC SURFACE
CC02	CONCRETE CURB TYPE D
CG05	CONCRETE CURB AND GUTTER 18-INCH, TYPE D
CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D
CG08	CONCRETE CURB AND GUTTER 4-INCH SLOPED 30 INCH, TYPE J
CM04	CONCRETE SIDEWALK 4-INCH OVER 3-INCH BASE AGGREGATE DENSE 1 ¼-INCH
CM06	CONCRETE DRIVEWAY APRON 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH
CMC1	COLORED CONCRETE WEATHERED TERRA COTTA
CR01	CURB RAMP, SEE CONST. DETAILS AND SDD
M02	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
M05	REMOVING ASPHALTIC SURFACE MILLING 5-INCH
PAV1	CROSSWALK APRON PAVERS
PED1	PEDESTRIAN CURB
SM01	ADJUSTING MANHOLE COVERS
xxxx	SAW CUT
	FULL DEPTH REPLACEMENT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 289	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050215-PN
PLOT DATE : 10/16/2018 7:39 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

NOTE: SEE ALIGNMENT PLAN - BACK OF SIDEWALK AND FLANGE LINES FOR ADDITIONAL INFORMATION

ATHLETIC FIELD

TLE

SIGN

5-FT CHAIN LINK FENCE

ROCK WALL FACE

EXISTING R/W

SLOPE INTERCEPT (TYP)

PROPOSED DITCH

EXIST R/W

+53.28
-32.71'LT

+39.26
-34.53'LT

+08.64
-37.99'LT

+07.44
-36.52'LT

+62.06
-28.85'LT

+77.26
-28.89'LT

+01.13
-24.72'LT

CM04

PED1

AG02

CG07

AP04 M02

AB04 AP01

28.5:1 TAPER

6'

5'

3'

4'

28'

16'

STH 42

R/L STH 42

140+00

141+00

142+00

139+75.00 MATCH LINE

142+75.00 MATCH LINE

+59.25
16.00'RT

+29.32
16.00'RT

+51.72
16.00'RT

+11.93
16.00'RT

+21.86
16.00'RT

-4.3%

-1.9%

DR06

+25.00
27.63'RT

+51.72
24.50'RT

+51.72
30.96'RT

+01.13
26.16'RT

+17.99
33.46'RT

+29.32
35.37'RT

+11.74
36.05'RT

R20'

DR03

R38'

+25.55
48.00'RT

+47.02
50.92'RT

+26.22
24.50'RT

+41.29
24.50'RT

R10'

R8'

+21.86
33.50'RT

+31.97
34.86'RT

+37.00
34.86'RT

+45.17
31.50'RT

5'

TLE

EXIST R/W

SLOPE INTERCEPT (TYP)

PROPOSED SWALE/DITCH

ANT.

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 290 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050216-PN

PLOT DATE : 10/16/2018 7:39 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

NOTE: SEE ALIGNMENT PLAN - BACK OF SIDEWALK AND FLANGE LINES FOR ADDITIONAL INFORMATION

142+75.00 MATCH LINE

145+90.00 MATCH LINE

N

STH 42

R/L STH 42

R/L CTH F

CTH F

TLE

EXISTING R/W

EXIST R/W

PLE

5-FT CHAIN LINK FENCE MATCH EXISTING

PROPOSED DITCH

PROPOSED SWALE/DITCH

PROPOSED AEW

ASPHALT FLUME

SLOPE INTERCEPT (TYP)

+89.37 -46.99'LT

+03.00 -45.52'LT

+39.20 -44.53'LT

+30.00 -48.12'LT

+07.86 -48.28'LT

+95.64 -28.00'LT

+82.50 21.49'RT

+89.47 22.50'RT

+49.71 22.50'RT

+68.59 16.00'RT

+77.49 29.04'RT

+80.39 30.37'RT

+01.58 31.02'RT

+02.86 32.53'RT

+06.32 37.37'RT

+07.38 39.12'RT

"CF"+35.79 39.10'RT

"CF"+52.38 34.58'RT

"CF"+70.50 28.43'RT

"CF"+88.35 28.76'RT

"CF"+91.73 22.96'RT

"CF"+59.99 21.03'RT

"CF"+78.64 -19.06'LT

"CF"+78.79 21.05'RT

"CF"+91.73 -22.96'LT

+24.78 26.02'RT

+10.48 29.48'RT

+86.42 24.52'RT

+69.62 31.22'RT

+67.78 32.53'RT

+62.76 36.97'RT

+61.97 37.80'RT

"CF"+42.32 -48.49'LT

"CF"+63.89 -37.54'LT

"CF"+67.76 -33.54'LT

"CF"+84.83 -26.43'LT

"CF"+87.33 -26.60'LT

BM605

143+00

144+00

145+00

10"CF"+50

11"CF"+00

BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM605	647.53'	RR SPIKE PPOL*3127-33W17 NORTHWEST QUAD OF STH-42 AND CTH-F

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 291 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050217-PN

PLOT DATE : 10/16/2018 7:40 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

NOTE: SEE ALIGNMENT PLAN - BACK OF SIDEWALK AND FLANGE LINES FOR ADDITIONAL INFORMATION

N

SCHOOL DRIVEWAY REFER TO CONSTRUCTION DETAILS

TLE

PROPOSED DITCH/SWALE

+74.90 -37.96'LT

+89.64 -41.64'LT

+72.94 -45.07'LT

DR05

CC02

+68.76 -37.23'LT

CM04

-7.7%

PROPOSED DITCH/SWALE

CG05

DR03

PLE

CR01

-4.6%

CM06

EXISTING R/W

-6.0%

-7.7%

PAV1

PAV1

+00.00 -42.94'LT

CM04

+67.82 -23.00'LT

+83.50 -22.85'LT

+18.17 -23.00'LT

+70.96 -22.99'LT

+10.11 -23.00'LT

+15.67 -23.00'LT

AB04 AP01

+59.22 -23.00'LT

+65.22 -23.00'LT

+73.22 -23.00'LT

+85.22 -23.00'LT

+12.59 -28.00'LT

+14.01 -23.00'LT

CG07

CR01

SEE PLANTING DETAILS

SEE PLANTING DETAILS

148+00

R/L STH 42

ISLAND SPLITTER REFER TO CONSTRUCTION DETAILS

145+90.00 MATCH LINE

146+00

147+00

148+90.00 MATCH LINE

STH 42

AB04 AP01

+80.40 22.92'RT

CG07

+73.22 23.00'RT

+84.22 23.00'RT

+59.22 23.00'RT

+65.22 23.00'RT

CM04

AP04 M02

+22.90 17.22'RT

+27.70 17.49'RT

+35.95 18.05'RT

+64.81 20.75'RT

+66.66 23.45'RT

+07.44 23.00'RT

+69.79 21.25'RT

CG07

-6.7%

-6.6%

+42.38 31.50'RT

CM04

CM06

-5.5%

+35.24 29.52'RT

CM06

CM06

+71.88 29.39'RT

CM04

-5.2%

CR01

+21.10 31.94'RT

R10'

+30.00 31.77'RT

EXIST R/W

+61.18 32.24'RT

+70.66 31.50'RT

R12'

+72.68 40.90'RT

+16.19 44.43'RT

+15.72 52.41'RT

SLOPE INTERCEPT (TYP)

TLE

+20.43 42.29'RT

+22.76 41.76'RT

DR05

+22.34 54.93'RT

TLE

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 292	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050218-PN

PLOT DATE : 10/16/2018 7:41 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

NOTE: SEE ALIGNMENT PLAN - BACK OF SIDEWALK AND FLANGE LINES FOR ADDITIONAL INFORMATION

N

TLE

PLE

PROPOSED DITCH

SLOPE INTERCEPT (TYP)

+00.01
-41.22'LT

+37.50
-38.12'LT

EXISTING R/W

+62.34
-26.63'LT

SCHOOL DRIVEWAY REFER TO CONSTRUCTION DETAILS

DR05

CM06

CM04

CG07

5'

4'

+84.90
-28.86'LT

+89.92
-19.62'LT

9.0'

+01.99
-19.39'LT

+99.30
-19.44'LT

+68.25
-29.59'LT

AP01
AB04

AP04
M02

150+00

R/L STH 42

149+00

148+90.00 MATCH LINE

STH 42

VAR.

151+00

151+90.00 MATCH LINE

+97.07
25.10'RT

3'

+44.00
33.18'RT

EXIST R/W

TLE

SLOPE INTERCEPT (TYP)

+70.52
-18.04'LT

GUY

SIGN

OH

HO

FO

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 293 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050219-PN

PLOT DATE : 10/16/2018 7:41 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

LEGEND

DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH	CG08	CONCRETE CURB AND GUTTER 4-INCH SLOPED 30 INCH, TYPE J
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH	CM04	CONCRETE SIDEWALK 4-INCH OVER 3-INCH BASE AGGREGATE DENSE 1 ¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH	CM06	CONCRETE DRIVEWAY APRON 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS	CMC1	COLORED CONCRETE WEATHERED TERRA COTTA
AG02	SELECT CRUSHED MATERIAL	CR01	CURB RAMP, SEE CONST. DETAILS AND SDD
AG10	10-INCHES BASE AGGREGATE DENSE 1¼-INCH	M02	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
AP01	1¾-INCHES HMA PAVEMENT LT 58-28 S	M05	REMOVING ASPHALTIC SURFACE MILLING 5-INCH
AP02	2-INCHES HMA PAVEMENT LT 58-28 S	PAV1	CROSSWALK APRON PAVERS
AP04	4-INCHES HMA PAVEMENT LT 58-28 S	PED1	PEDESTRIAN CURB
AP05	5-INCHES HMA PAVEMENT LT 58-28 S	SM01	ADJUSTING MANHOLE COVERS
AS03	3-INCHES ASPHALTIC SURFACE	xxxx	SAW CUT
CC02	CONCRETE CURB TYPE D		FULL DEPTH REPLACEMENT
CG05	CONCRETE CURB AND GUTTER 18-INCH, TYPE D		
CG07	CONCRETE CURB AND GUTTER 30-INCH, TYPE D		

NOTE: SEE ALIGNMENT PLAN - BACK OF SIDEWALK AND FLANGE LINES FOR ADDITIONAL INFORMATION

N

TLE

+19.23
-75.45'LT

+14.04
-75.54'LT

CM04

5'

PLE

PROPOSED DITCH

+49.36
-39.83'LT

EXIST R/W

PROPOSED AEW

+65.23
-16.08'LT

ASPHALT FLUME

CG07

SLOPE INTERCEPT (TYP)

AB04 AP01

AP04 M02

151+90.00 MATCH LINE

152+00

153+00

154+00

R/L STH 42

STH 42

+78.17
16.00'RT

+93.05
16.00'RT

+93.18
22.80'RT

+21.69
33.18'RT

CR01

+36.34
34.45'RT

+37.57
35.77'RT

+41.57
40.69'RT

+42.28
41.69'RT

+54.38
68.76'RT

+54.79
91.30'RT

GIBRALTAR ROAD

+84.79
86.74'RT

+48.94
54.11'RT

+84.83
54.15'RT

+03.64
27.01'RT

+01.44
28.41'RT

+94.47
34.45'RT

+93.81
35.19'RT

+86.42
47.68'RT

+19.71
21.68'RT

+59.34
17.41'RT

+87.75
16.47'RT

+11.52
43.06'RT

PED1

154+90.00 MATCH LINE

EXIST R/W

GUY

OH

HO

FO

xxxx xxxx xxxx

NOTE: SEE ALIGNMENT PLAN - BACK OF SIDEWALK AND FLANGE LINES FOR ADDITIONAL INFORMATION

(1)-CULVERT PIPE CLASS IV 15-INCH TLE

PROPOSED DITCH

EXIST R/W

ASPHALT FLUME

SLOPE INTERCEPT (TYP)

ISLAND SPLITTER REFER TO CONSTRUCTION DETAILS

R/L STH 42

STH 42

(1)-PIPE ARCH CORRUGATED STEEL 17X13-INCH

PROPOSED DITCH

EXISTING R/W

TLE

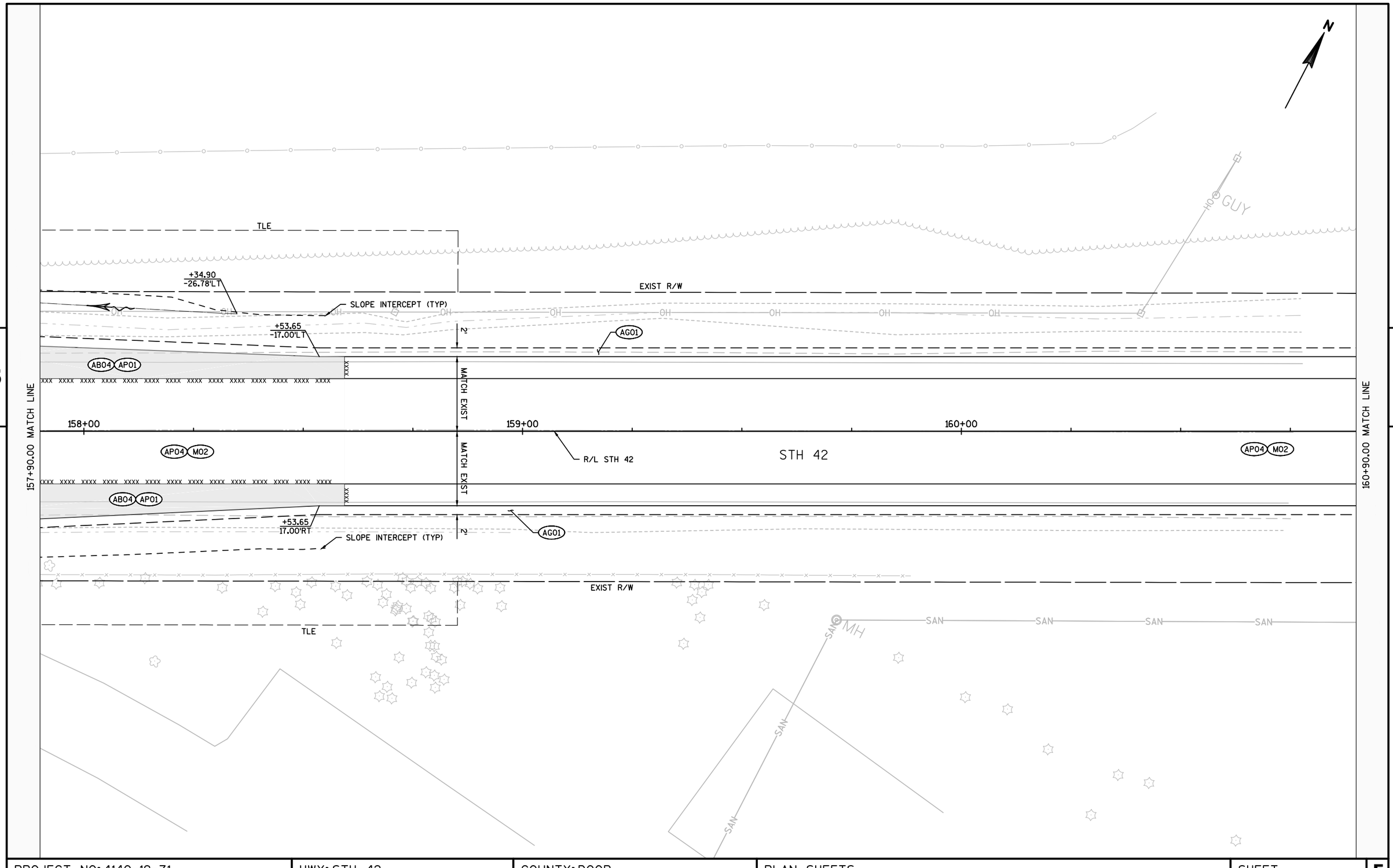
SIGN

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 295 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050221-PN

PLOT DATE : 10/16/2018 7:42 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44



5

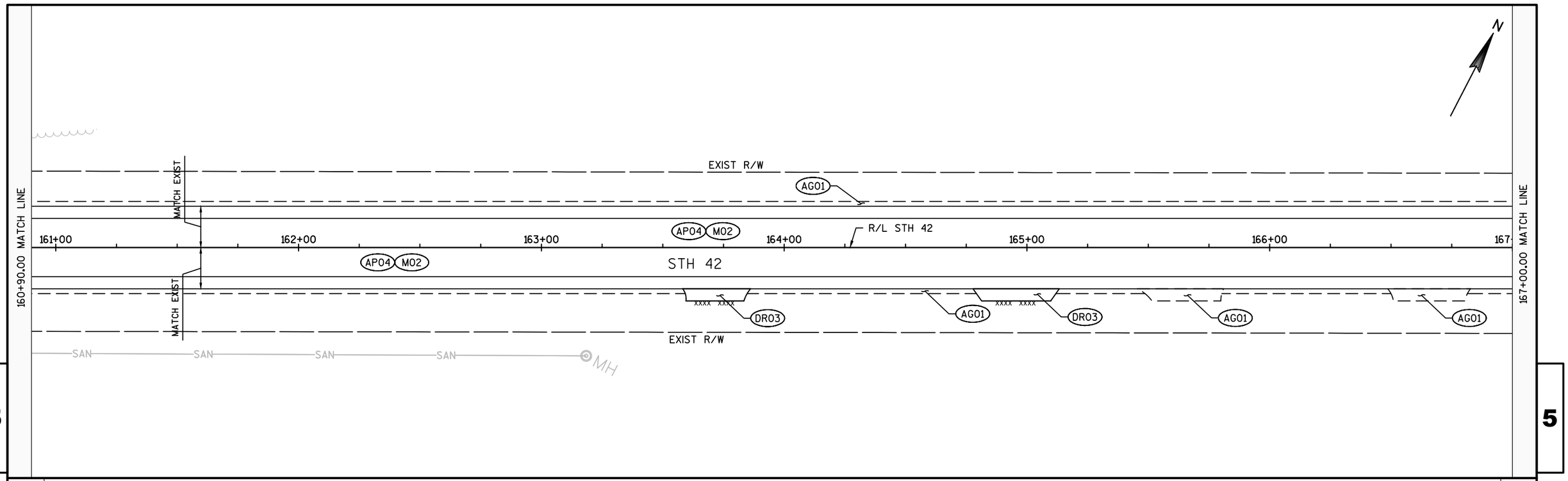
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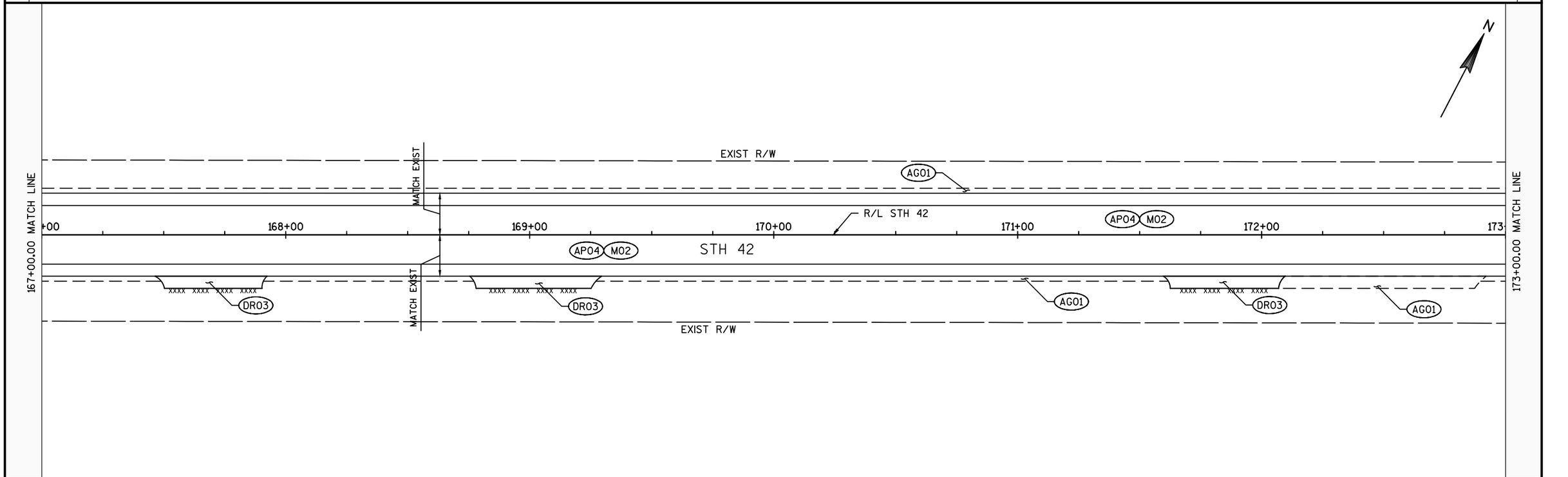
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 296	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050201-PN.NEW.DWG
LAYOUT NAME - 050222-PN

PLOT DATE : 10/16/2018 7:43 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44



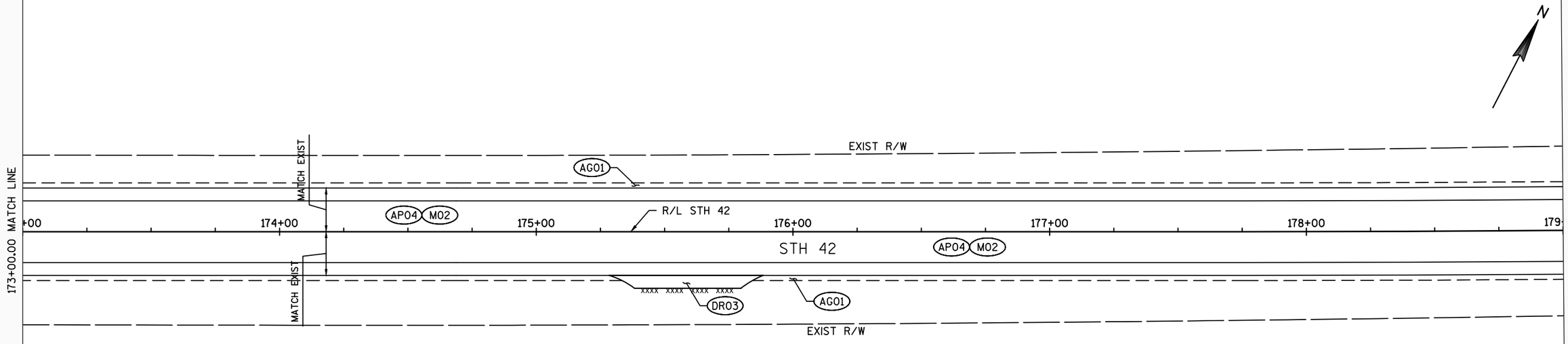


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 297	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050223-PN

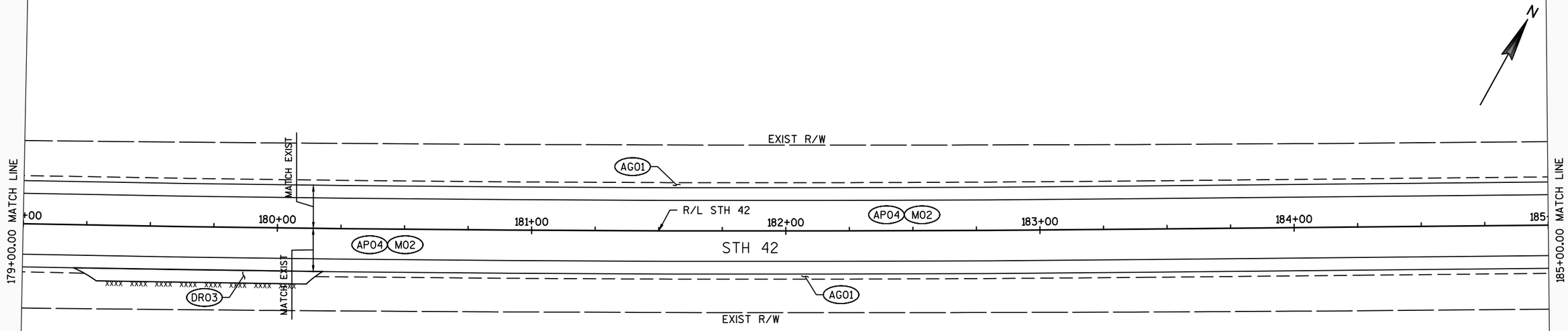
PLOT DATE : 10/16/2018 7:46 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

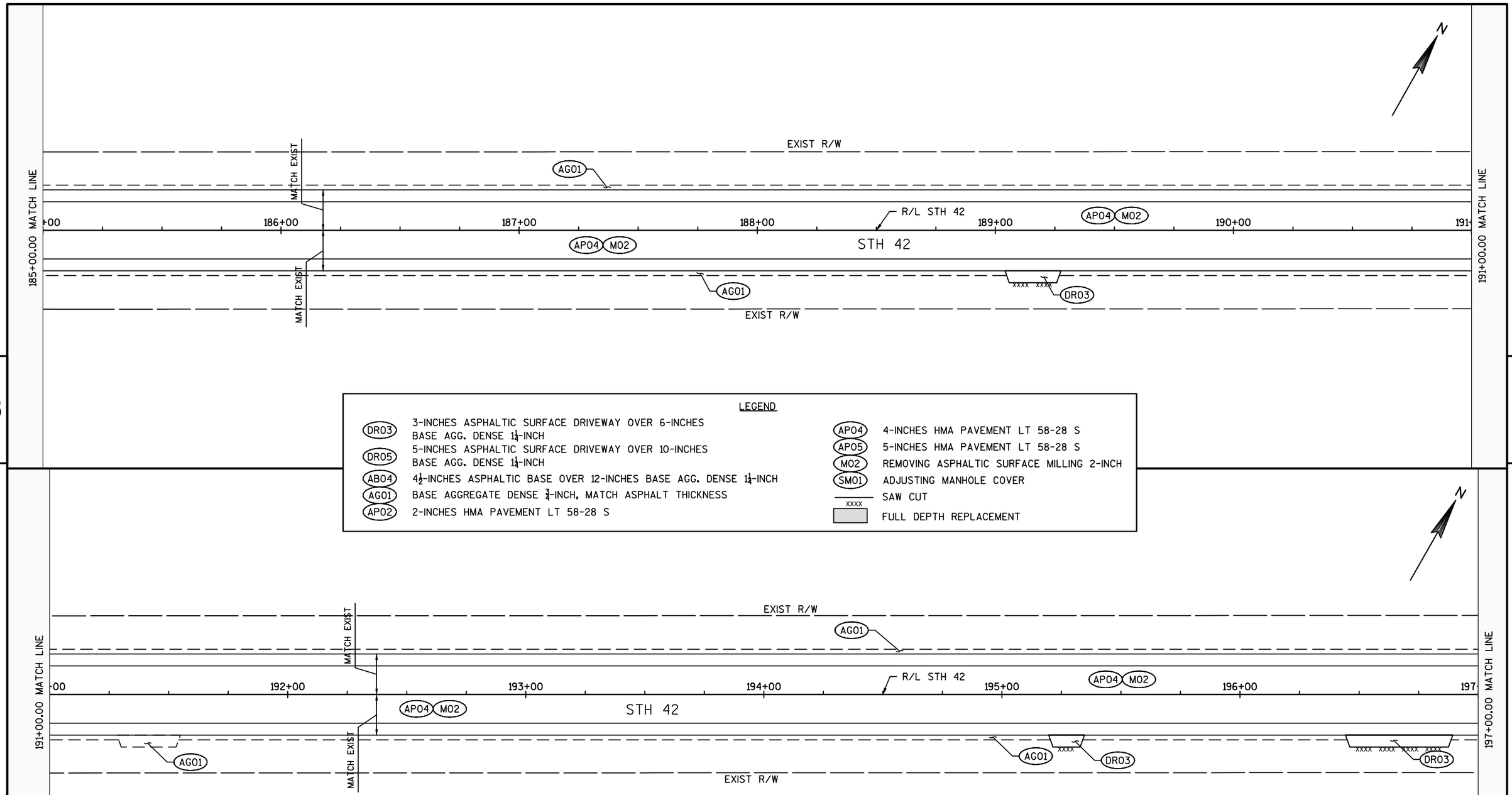


BM606

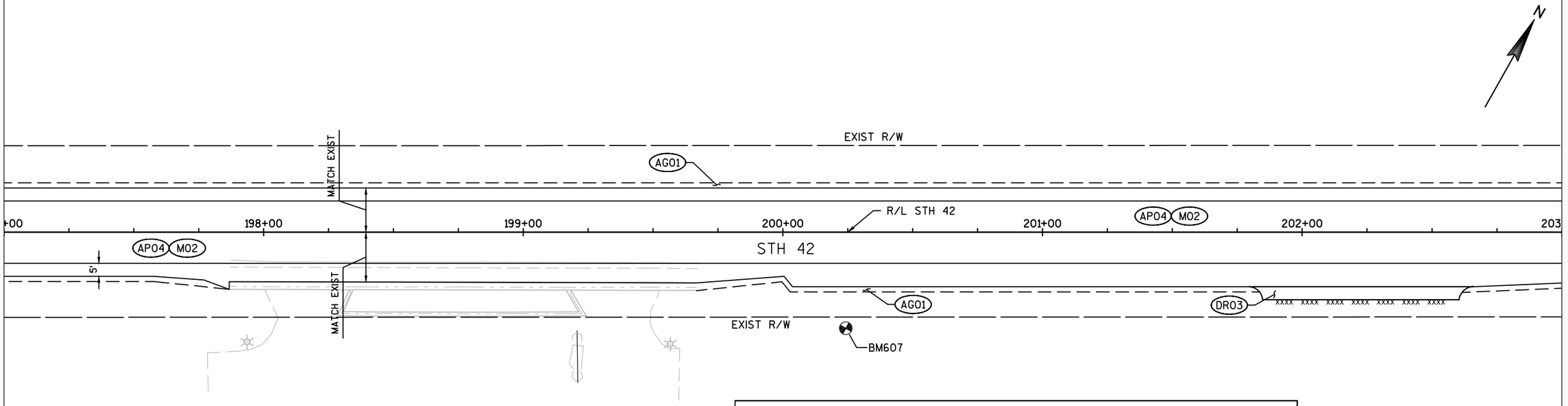
BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM606	651.31'	RR SPIKE PPOL*3127-28R70 60FT WEST OF THE CENTERLINE OF STH-42 & 200FT SOUTH OF THE ENTRANCE TO 3851 NORTH HAVEN SUBDIVISION



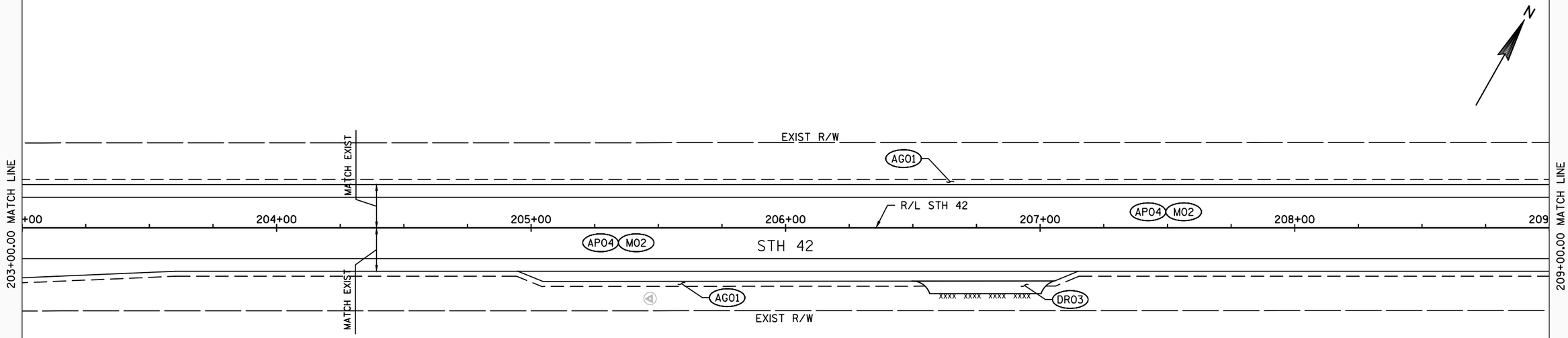
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 298	E



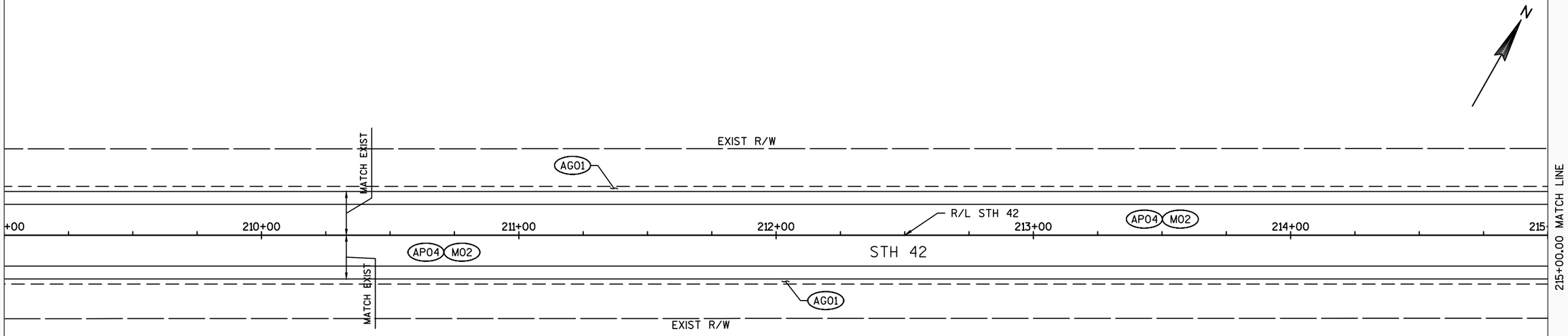
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 299 E

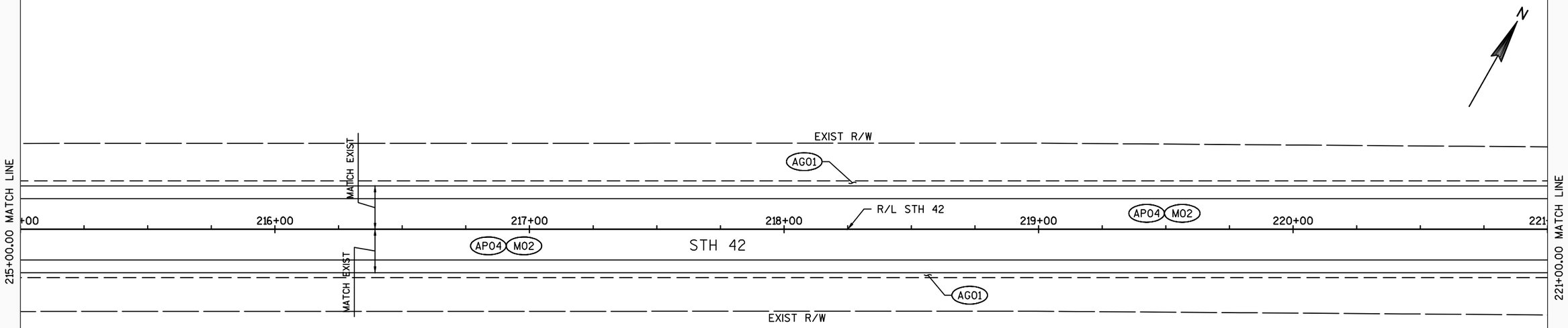


BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM607	653.00'	RR SPIKE PPOL*3127-27L9 36FT EAST OF THE CENTERLINE OF STH 42 & 90FT NORTH OF THE NORTH ENTRANCE TO THE ENGLISH INN SUPPER CLUB



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 300 E

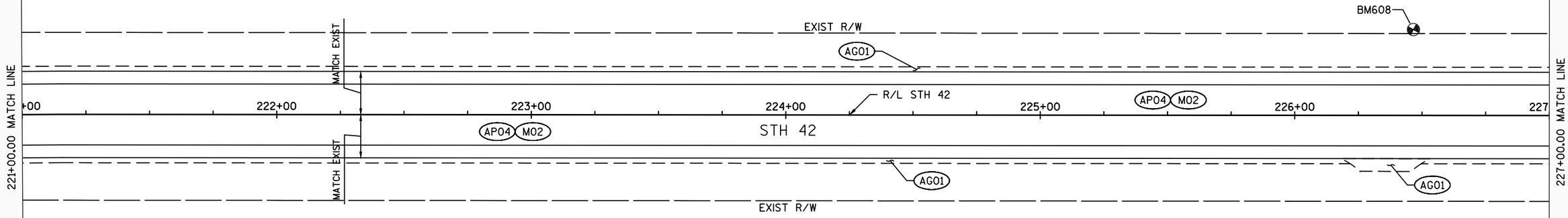


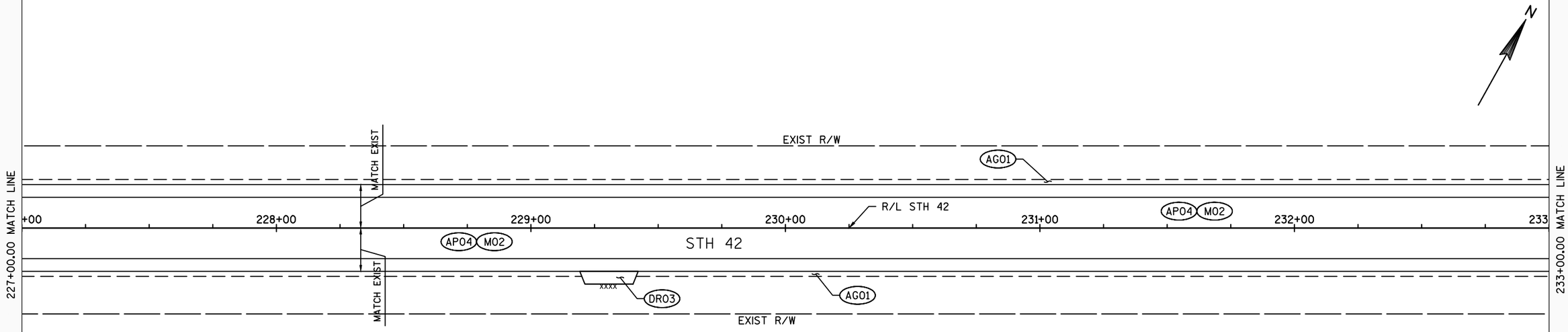


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 301 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050227-PN
PLOT DATE : 10/16/2018 7:48 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM608	725.67'	RR SPIKE IN A 24" RED OAK 35FT EAST OF THE CENTERLINE OF STH 42 & 10 FT NORTH OF THE EXTENDED CENTERLINE OF A PRIVATE ENTRANCE FIRE #3565

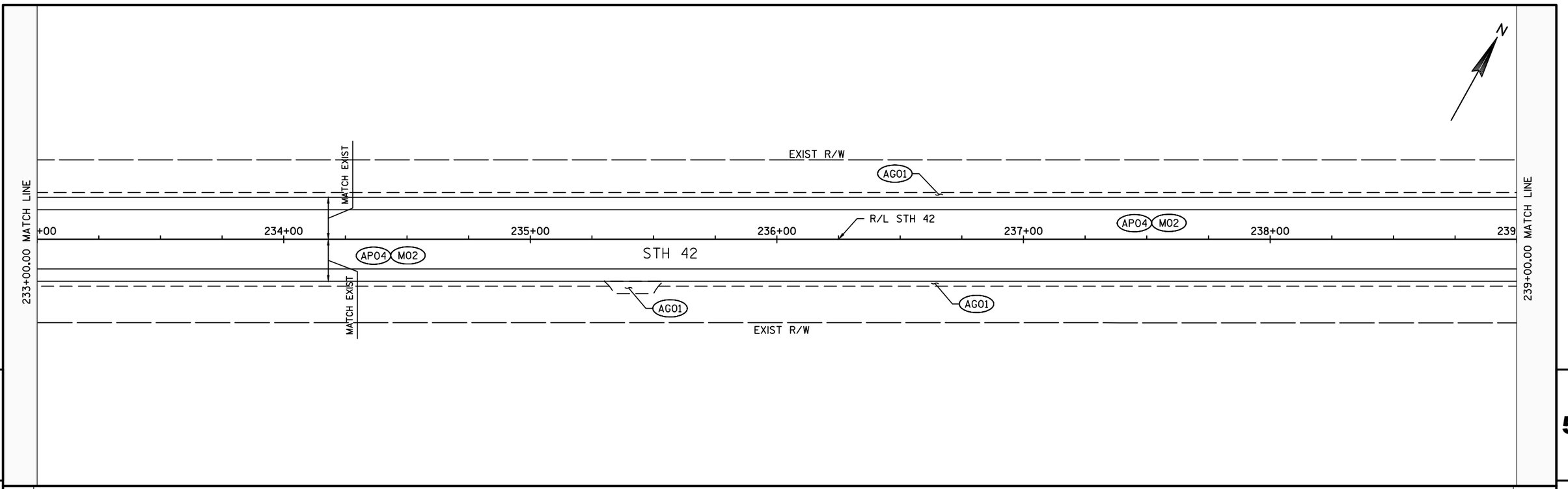


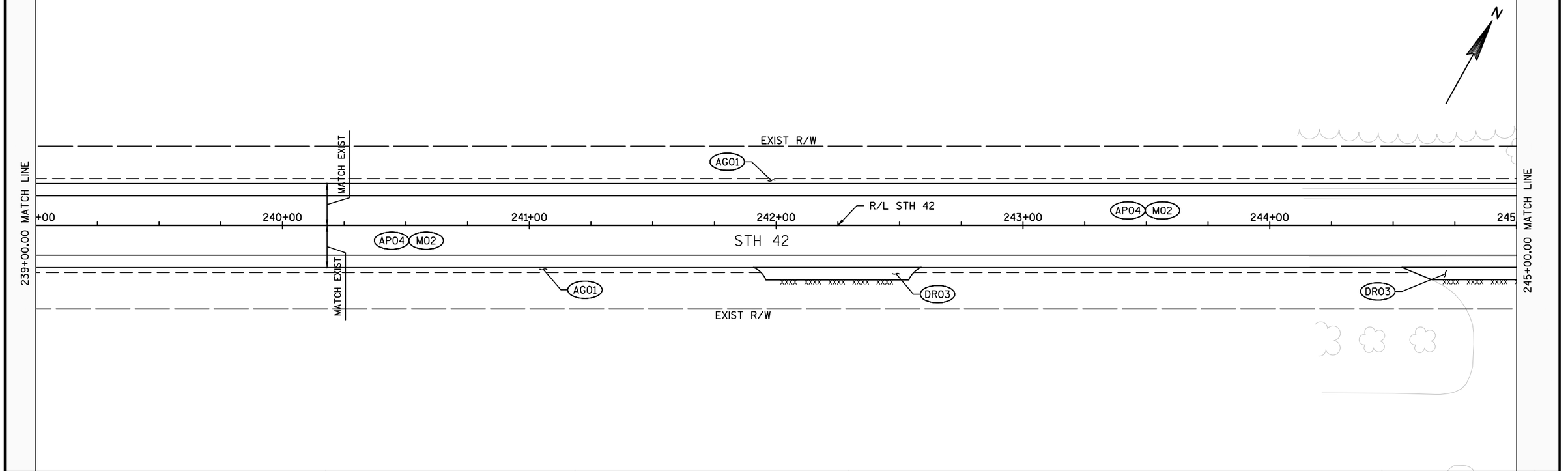


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 302 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050228-PN

PLOT DATE : 10/16/2018 7:49 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT



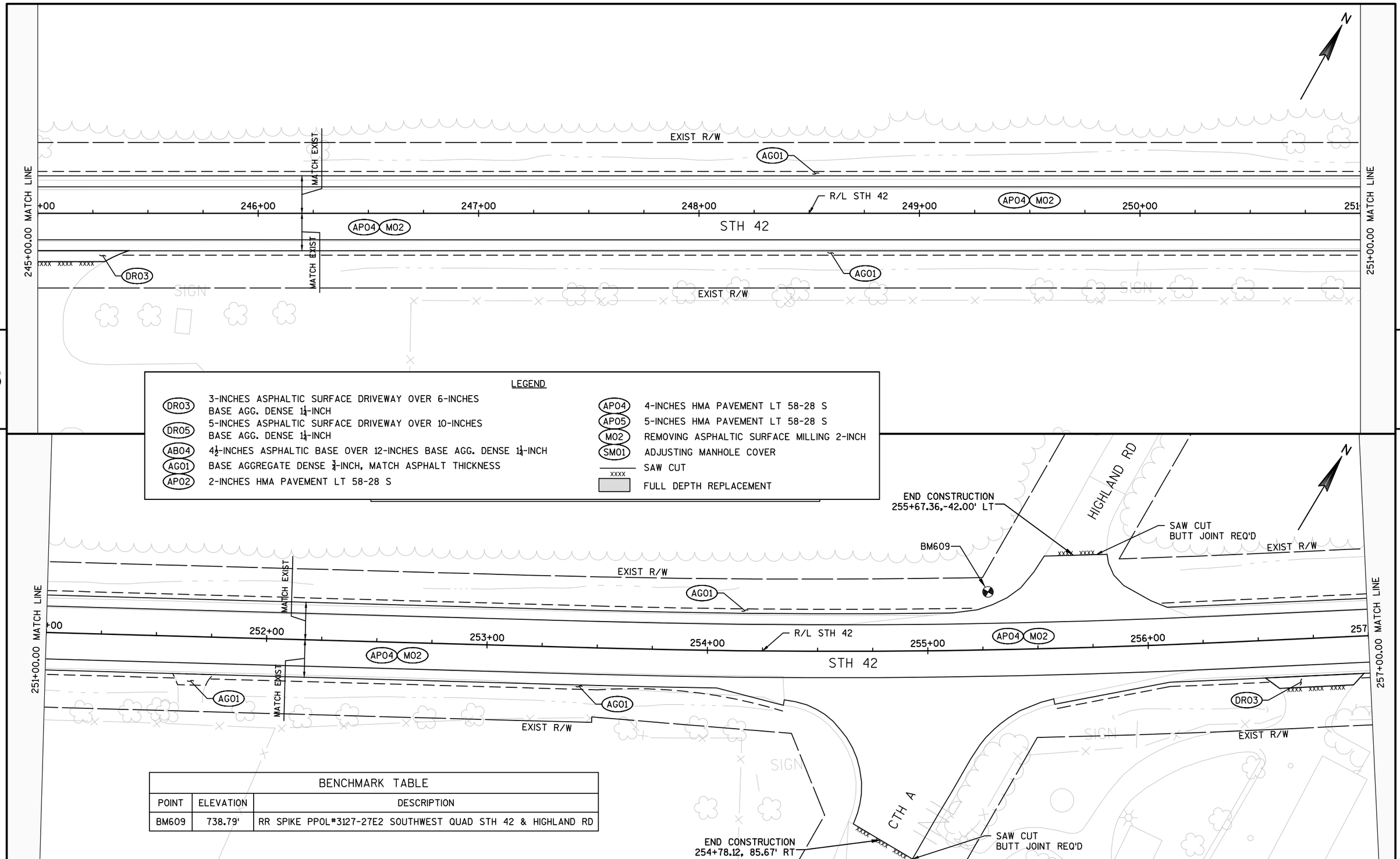


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 303 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050229-PN

PLOT DATE : 10/16/2018 7:49 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

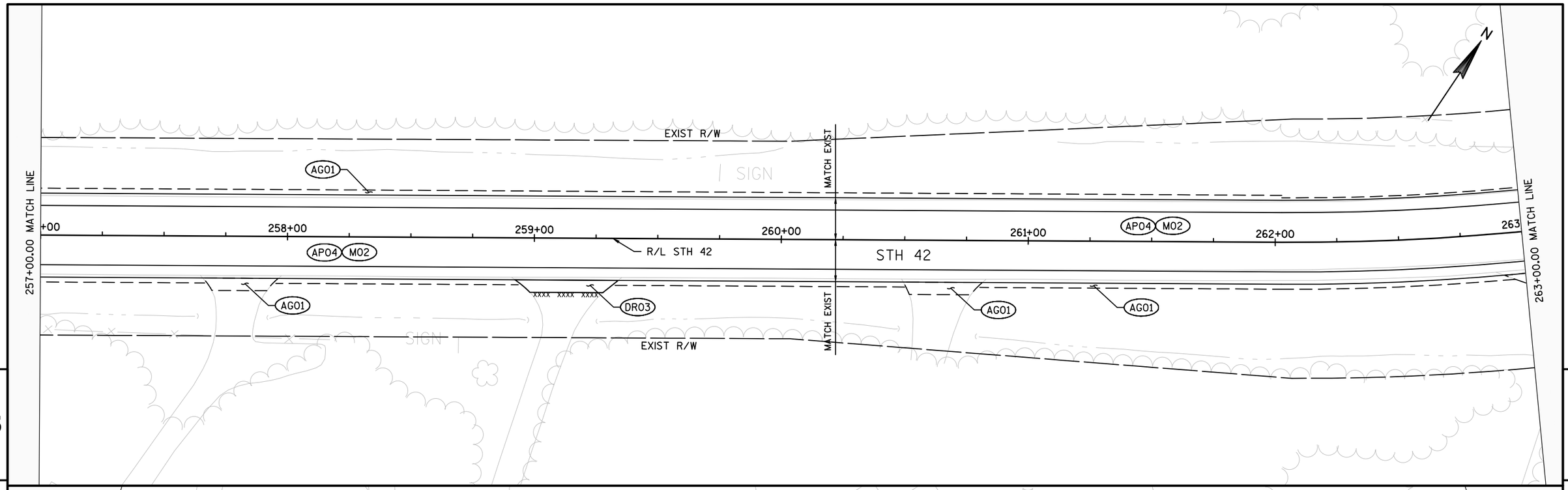


LEGEND

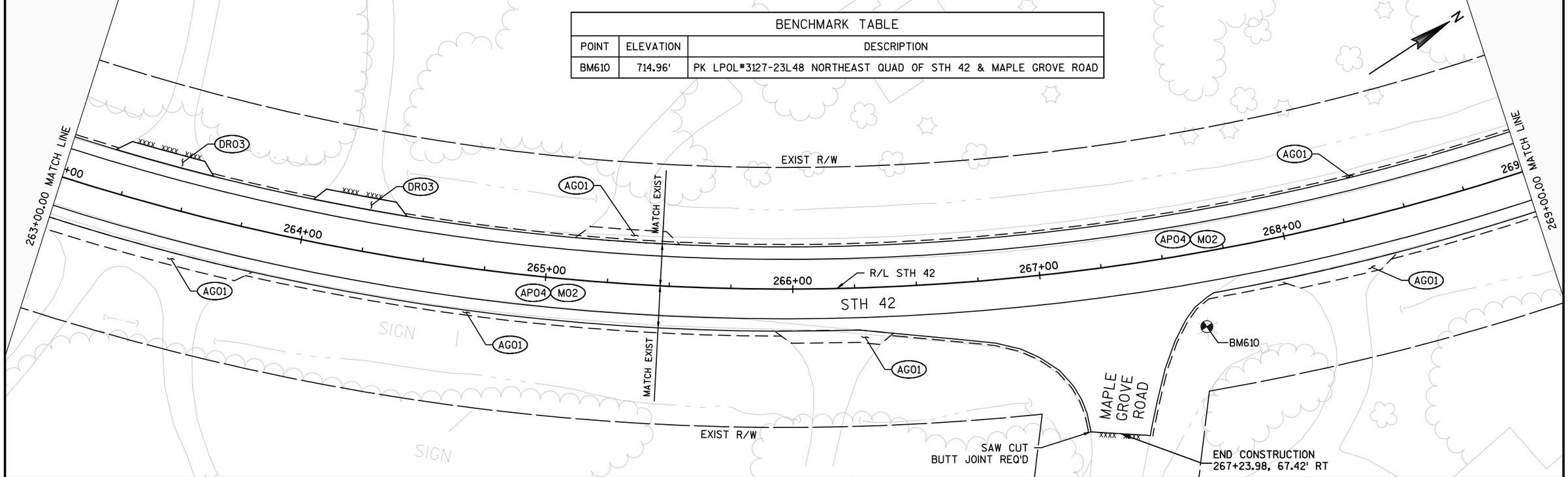
DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS
AP02	2-INCHES HMA PAVEMENT LT 58-28 S
AP04	4-INCHES HMA PAVEMENT LT 58-28 S
AP05	5-INCHES HMA PAVEMENT LT 58-28 S
M02	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
SM01	ADJUSTING MANHOLE COVER
	SAW CUT
XXXX	FULL DEPTH REPLACEMENT

BENCHMARK TABLE

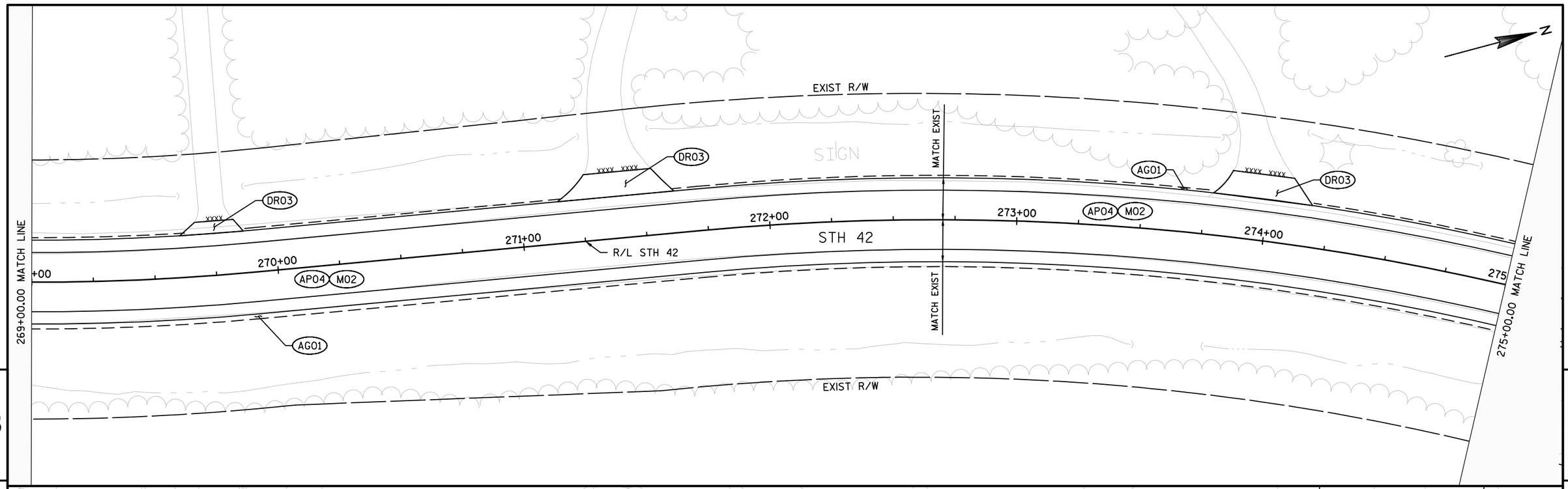
POINT	ELEVATION	DESCRIPTION
BM609	738.79'	RR SPIKE PPOL*3127-27E2 SOUTHWEST QUAD STH 42 & HIGHLAND RD

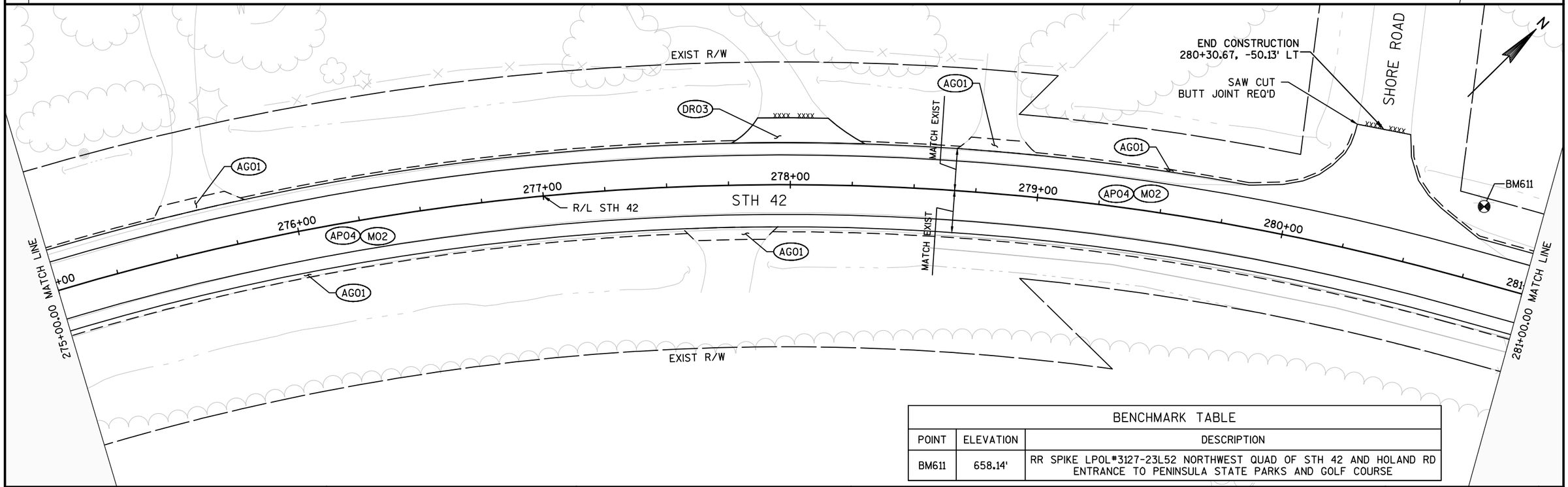


BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM610	714.96'	PK LPOL#3127-23L48 NORTHEAST QUAD OF STH 42 & MAPLE GROVE ROAD



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 305 E





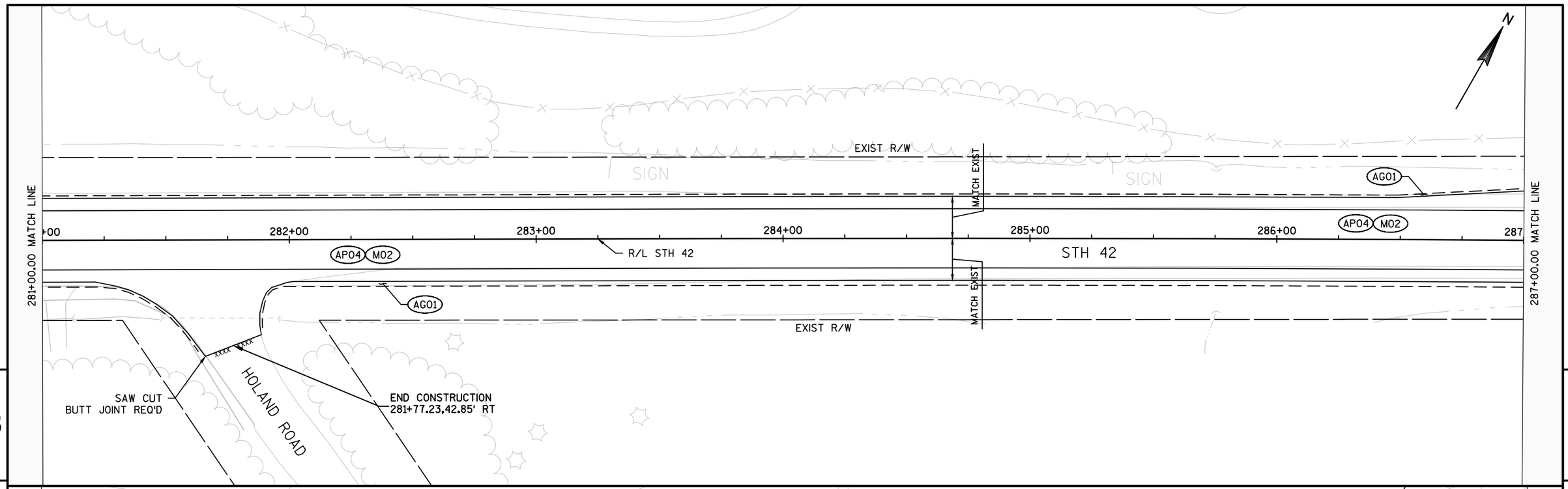
BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM611	658.14'	RR SPIKE LPOL*3127-23L52 NORTHWEST QUAD OF STH 42 AND HOLAND RD ENTRANCE TO PENINSULA STATE PARKS AND GOLF COURSE

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 306 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050232-PN

PLOT DATE : 10/16/2018 7:51 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

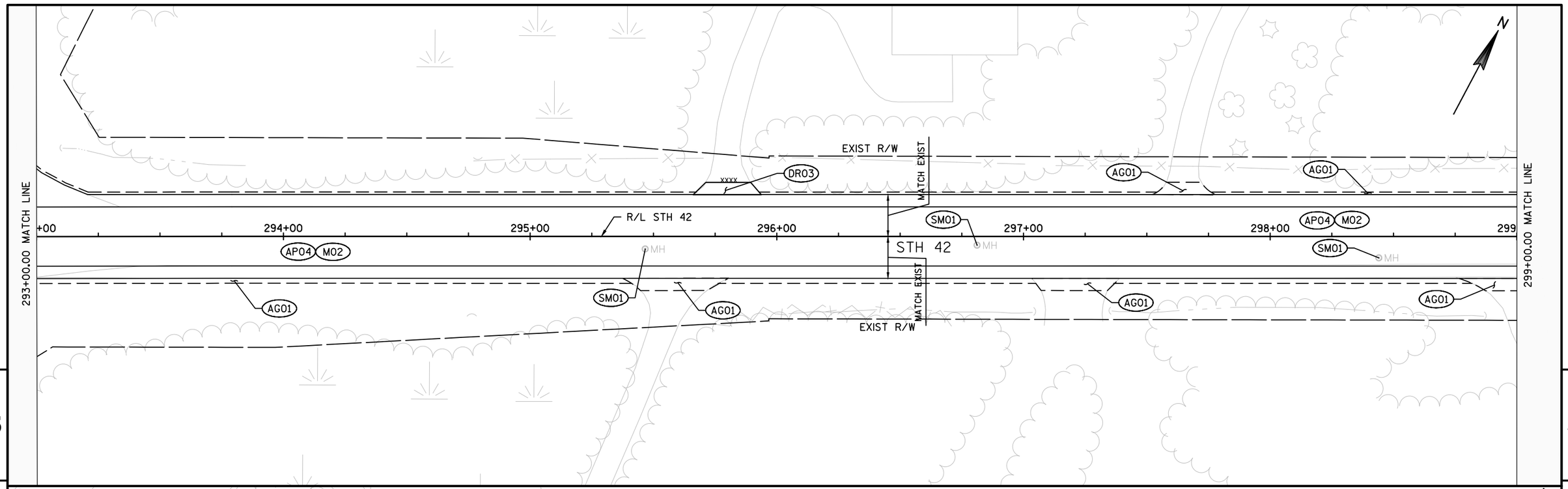
WISDOT/CADDS SHEET 44

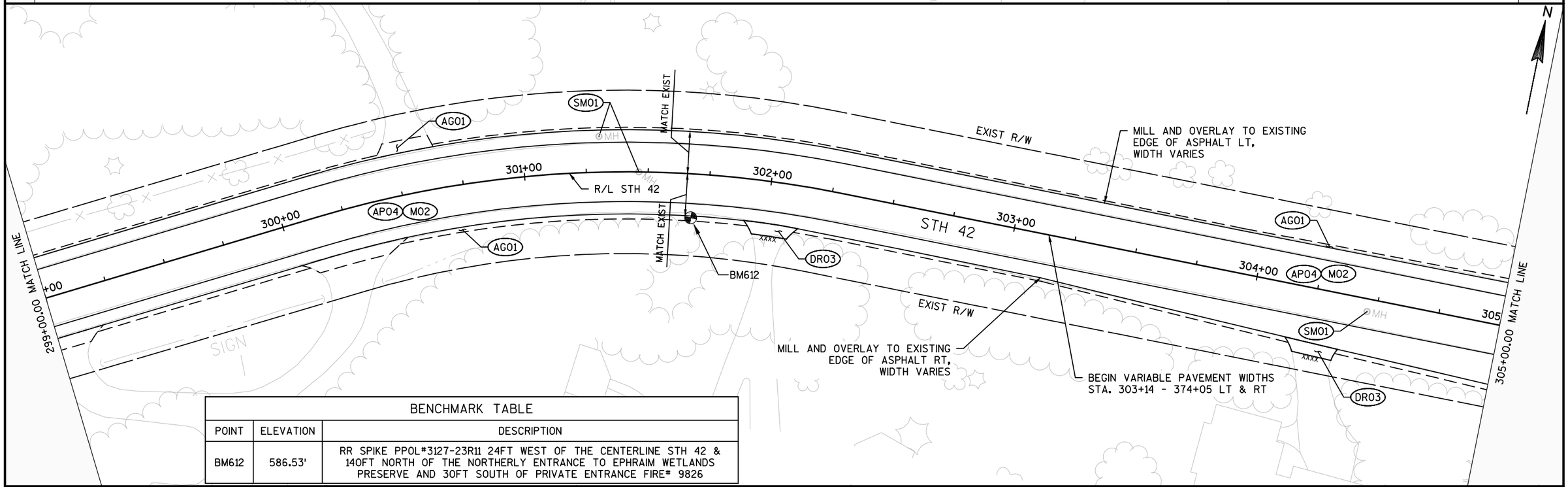


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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 307 E





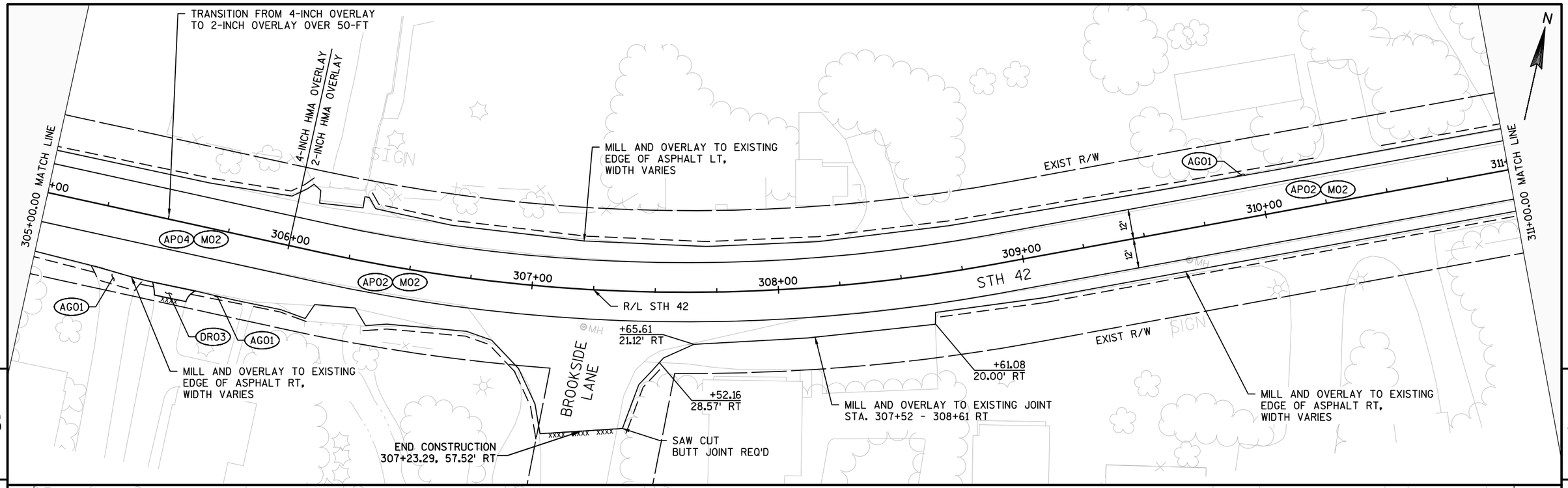
BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM612	586.53'	RR SPIKE PPOL*3127-23R11 24FT WEST OF THE CENTERLINE STH 42 & 140FT NORTH OF THE NORTHERLY ENTRANCE TO EPHRAIM WETLANDS PRESERVE AND 30FT SOUTH OF PRIVATE ENTRANCE FIRE* 9826

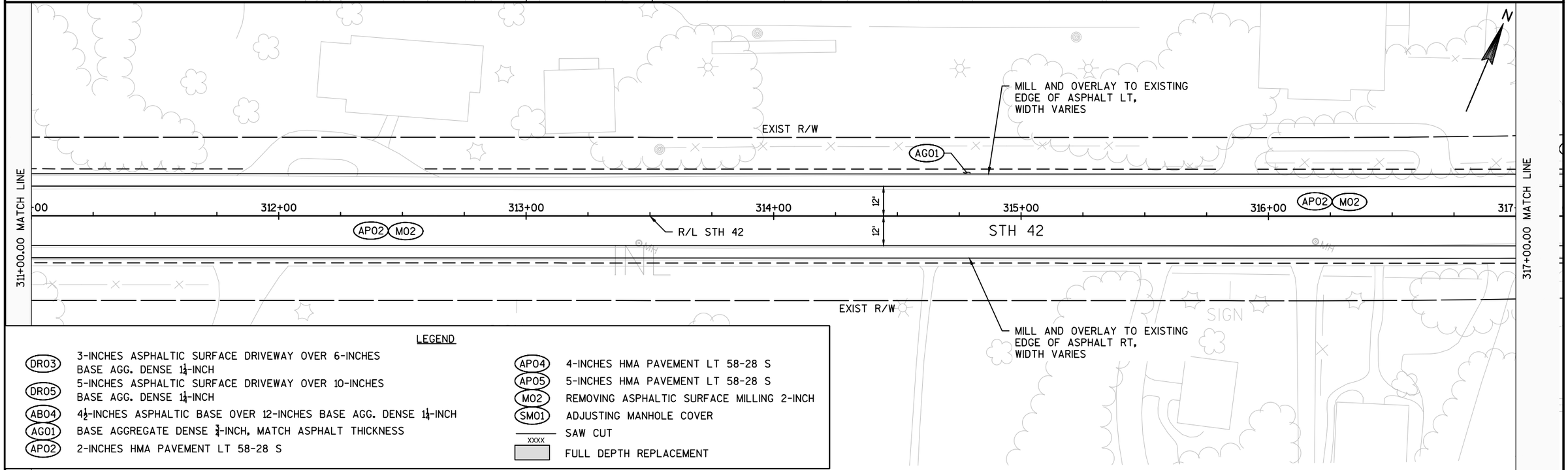
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 308 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050234-PN

PLOT DATE : 10/16/2018 7:52 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

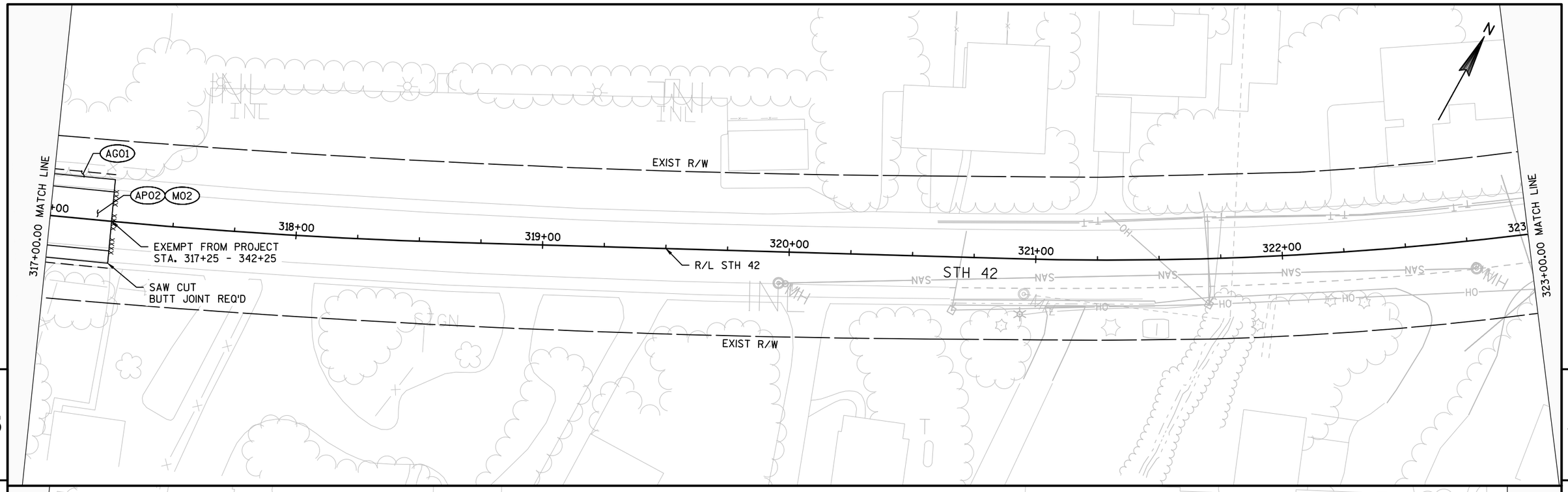


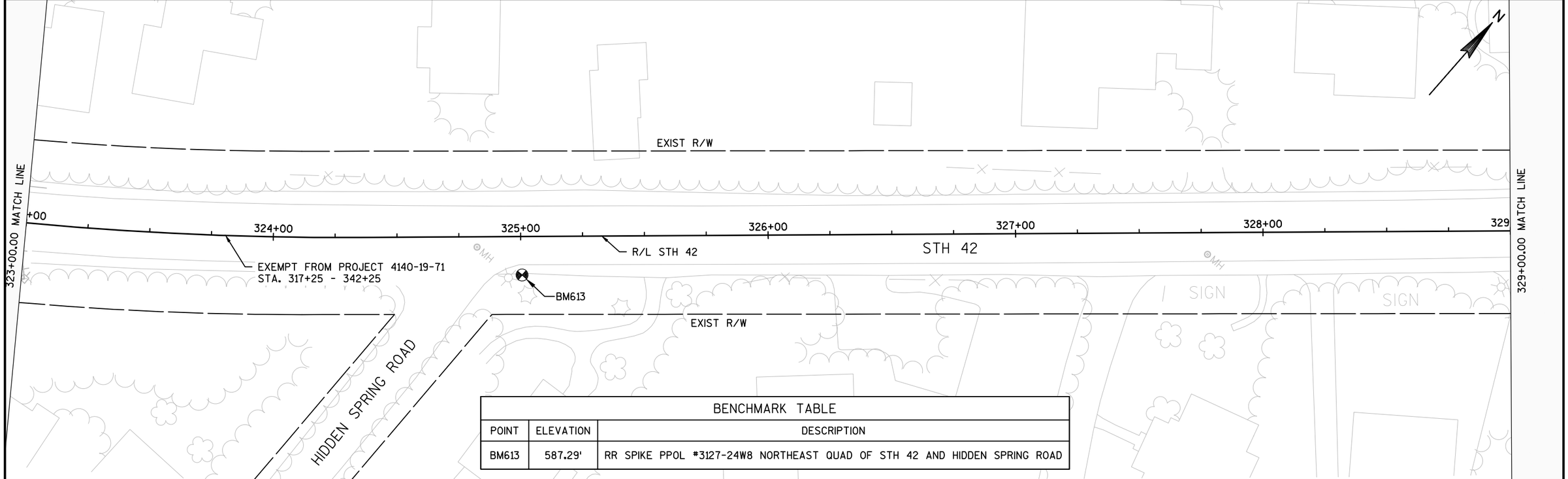


LEGEND

DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS
AP02	2-INCHES HMA PAVEMENT LT 58-28 S
AP04	4-INCHES HMA PAVEMENT LT 58-28 S
AP05	5-INCHES HMA PAVEMENT LT 58-28 S
M02	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
SM01	ADJUSTING MANHOLE COVER
xxxx	SAW CUT
	FULL DEPTH REPLACEMENT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 309 E



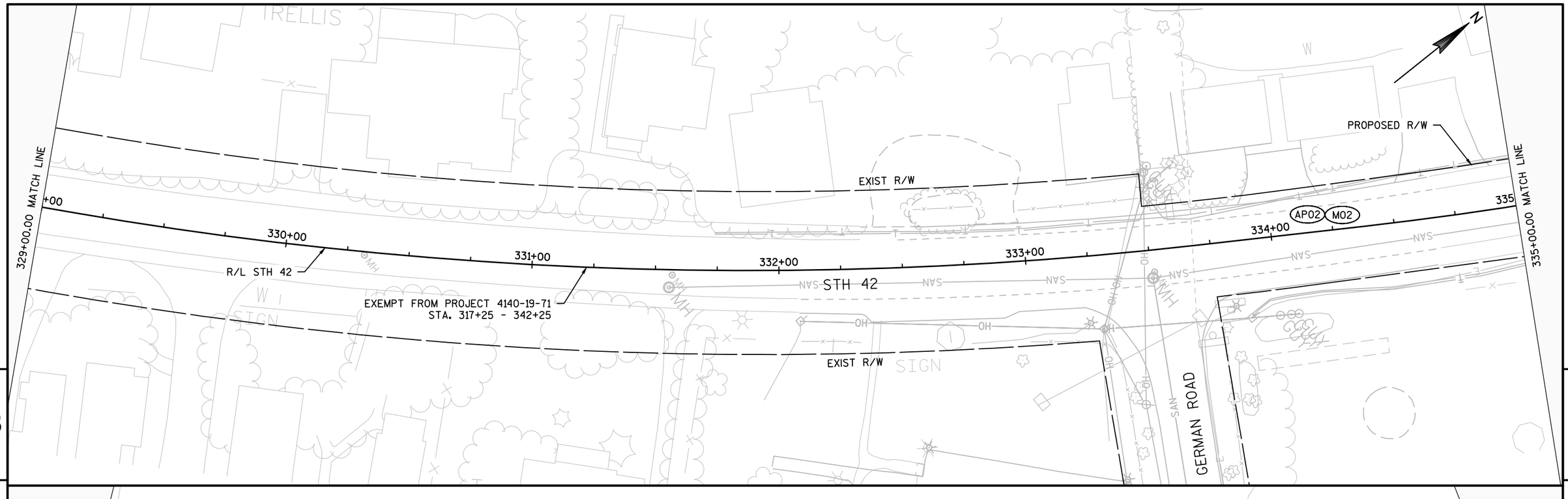


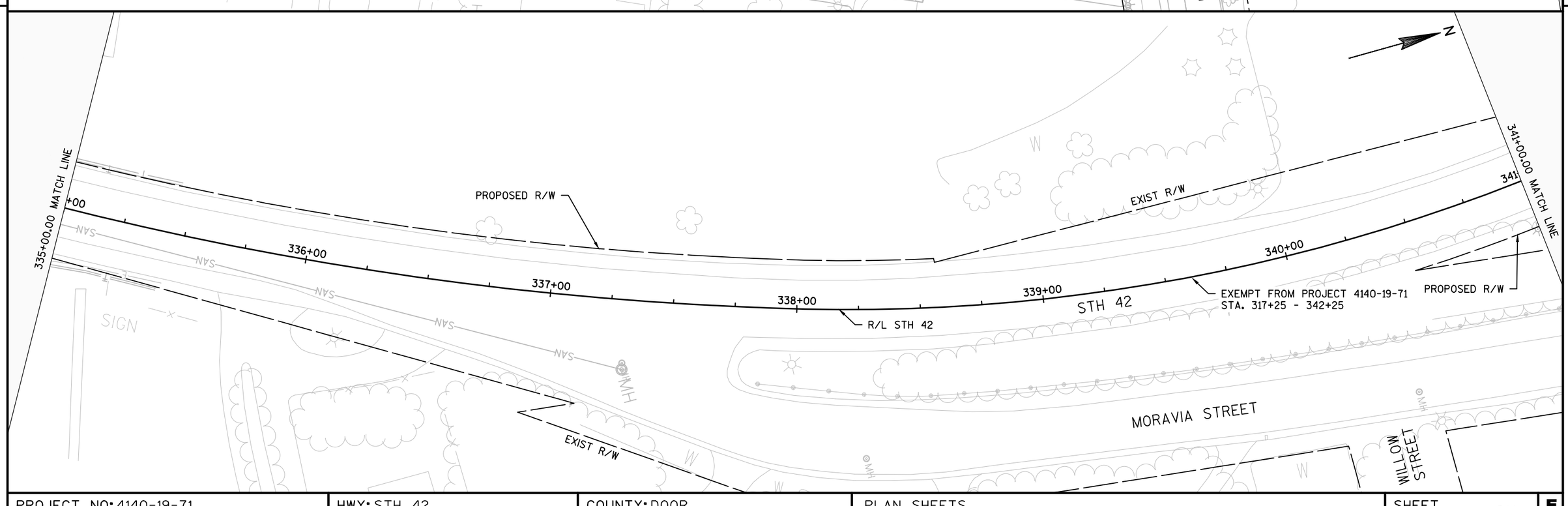
BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM613	587.29'	RR SPIKE PPOL #3127-24W8 NORTHEAST QUAD OF STH 42 AND HIDDEN SPRING ROAD

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 310 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050236-PN

PLOT DATE : 10/16/2018 7:53 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

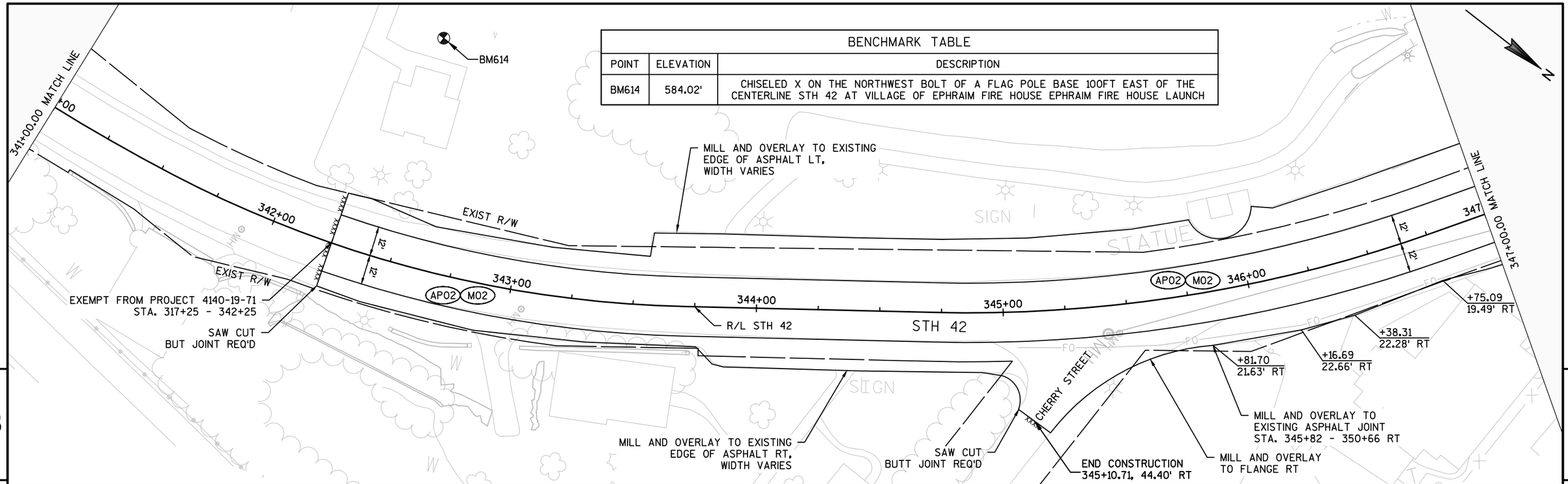


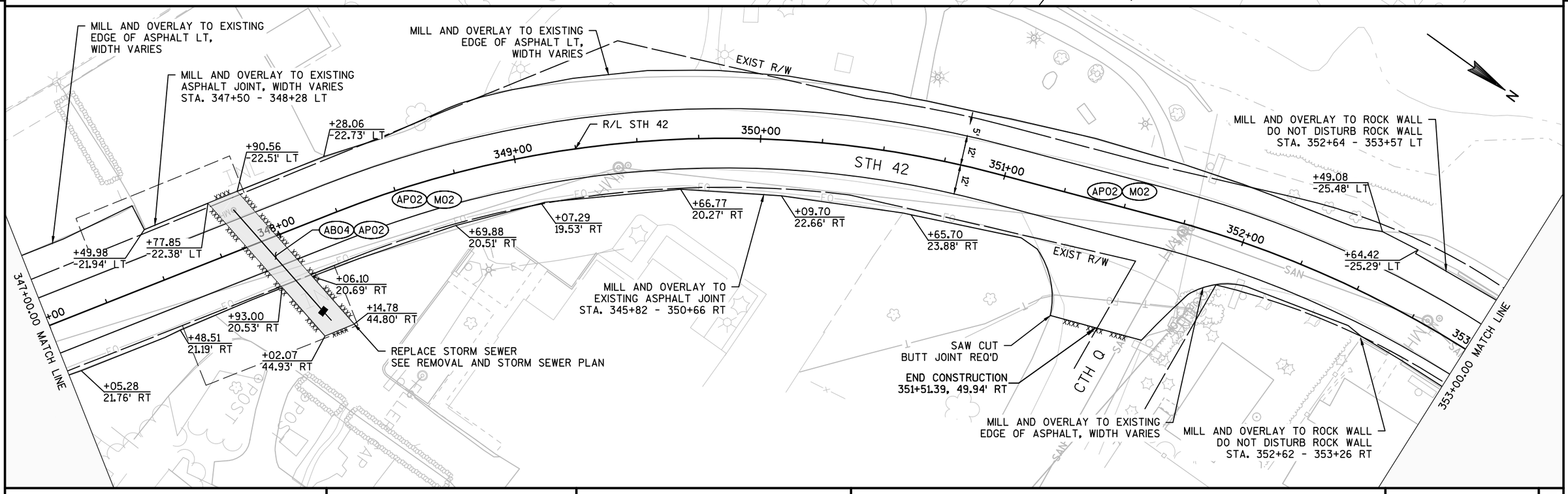


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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 311	E

BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM614	584.02'	CHISELED X ON THE NORTHWEST BOLT OF A FLAG POLE BASE 100FT EAST OF THE CENTERLINE STH 42 AT VILLAGE OF EPHRAIM FIRE HOUSE EPHRAIM FIRE HOUSE LAUNCH





PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 312 E

MILL AND OVERLAY TO ROCK WALL
DO NOT DISTURB ROCK WALL
STA. 352+64 - 353+57 LT

MILL AND OVERLAY TO
EXISTING EDGE OF ASPHALT LT,
WIDTH VARIES

EXIST R/W

353+00.00 MATCH LINE

+00

354+00

355+00

356+00

357+00

358+00

359

359+00.00 MATCH LINE

AP02 M02

12'

12'

SAN

R/L STH 42

STH 42

+26.49
16.79' RT

+59.12
18.22' RT

+78.65
18.29' RT

+19.47
18.98' RT

+78.02
17.66' RT

EXIST R/W

+32.46
17.70' RT

MILL AND OVERLAY TO ROCK WALL
DO NOT DISTURB ROCK WALL
STA. 352+62 - 353+26 RT

MILL AND OVERLAY TO
EXISTING ASPHALT JOINT
STA. 353+26 - 355+32 RT

MILL AND OVERLAY TO
EXISTING EDGE OF ASPHALT RT,
WIDTH VARIES

CEDAR STREET

EVERGREEN
BEACH
RESORT

END CONSTRUCTION
356+57.05, 40.66' RT

MILL AND OVERLAY TO
EXISTING EDGE OF ASPHALT RT,
WIDTH VARIES

5

5

MILL AND OVERLAY TO
EXISTING EDGE OF ASPHALT LT,
WIDTH VARIES

MILL AND OVERLAY
12' TRAVEL LANE
4' PAVED SHOULDER
STA. 361+10 - 370+82 LT

+10.16
-16.00' LT

EXIST R/W

359+00.00 MATCH LINE

+00

360+00

361+00

362+00

363+00

364+00

365

365+00.00 MATCH LINE

AP02 M02

12'

12'

R/L STH 42

STH 42

EXIST R/W

MILL AND OVERLAY TO
EXISTING EDGE OF ASPHALT RT,
WIDTH VARIES

PROPOSED R/W

END CONSTRUCTION
360+88.14, 37.81' RT

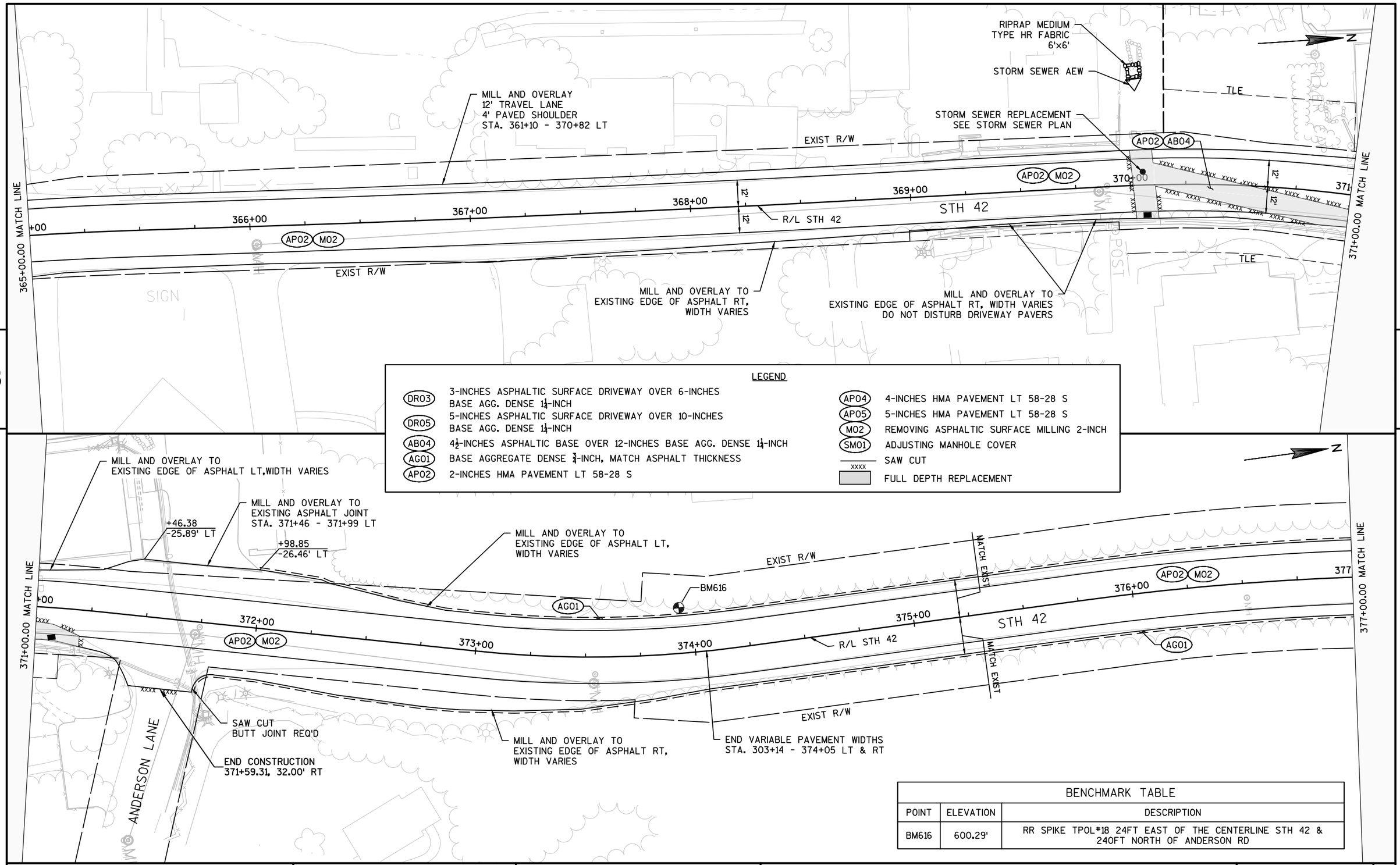
SPRUCE STREET

SAW CUT
BUT JOINT REQ'D

MILL AND OVERLAY TO
EXISTING EDGE OF ASPHALT RT,
WIDTH VARIES

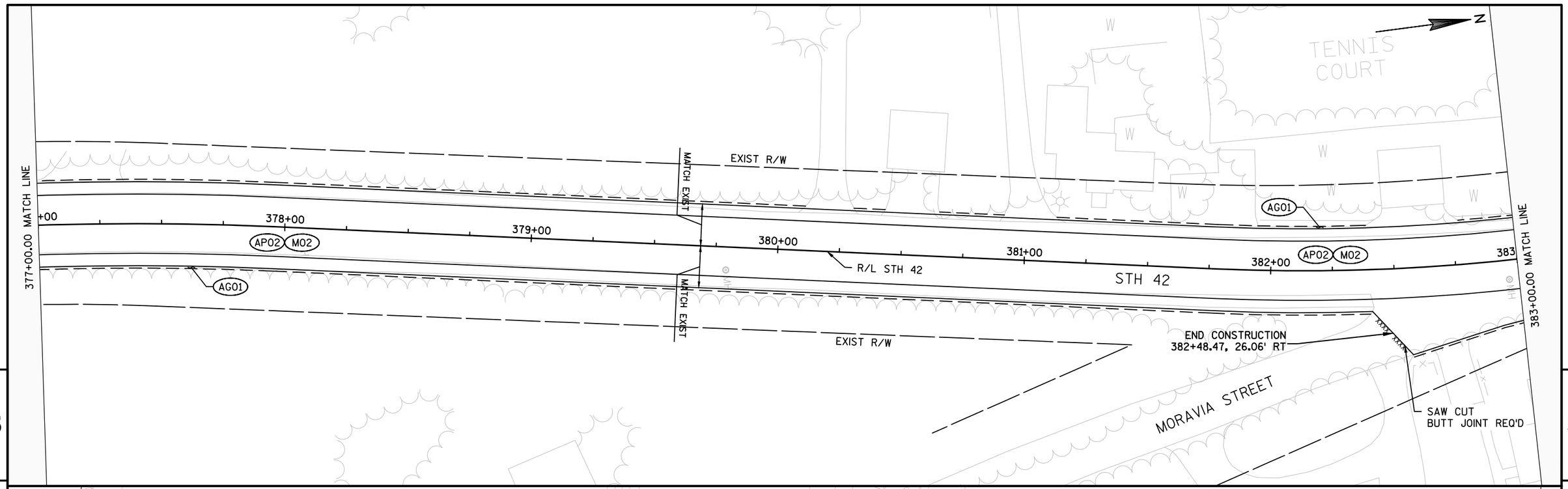
PROPOSED R/W

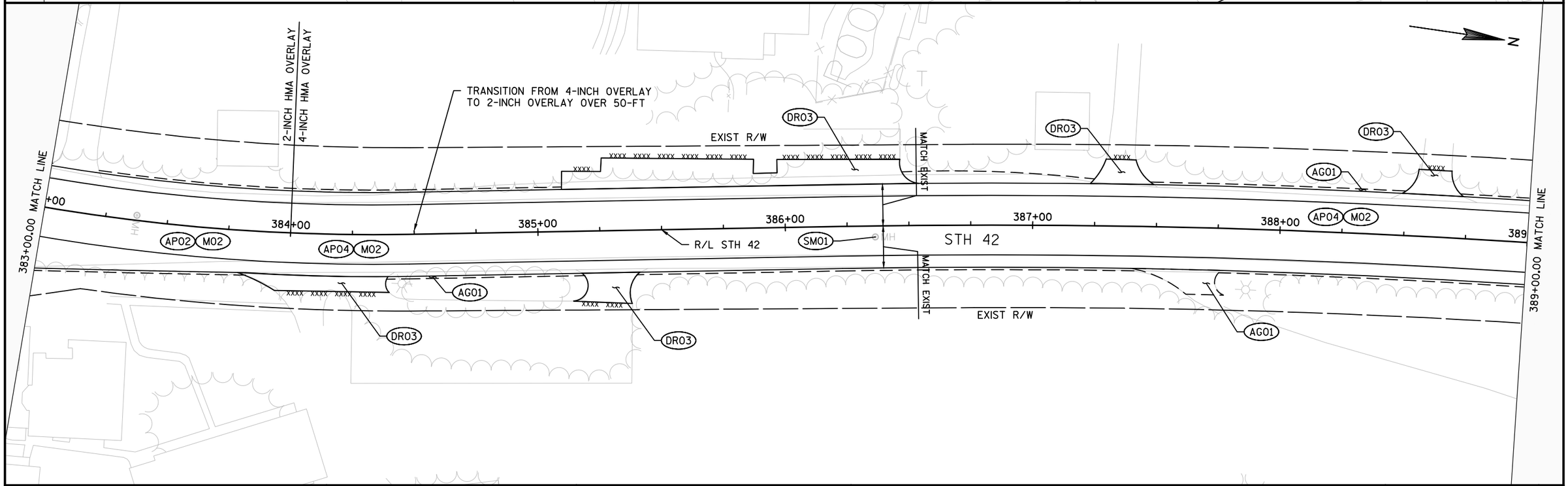
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 313	E



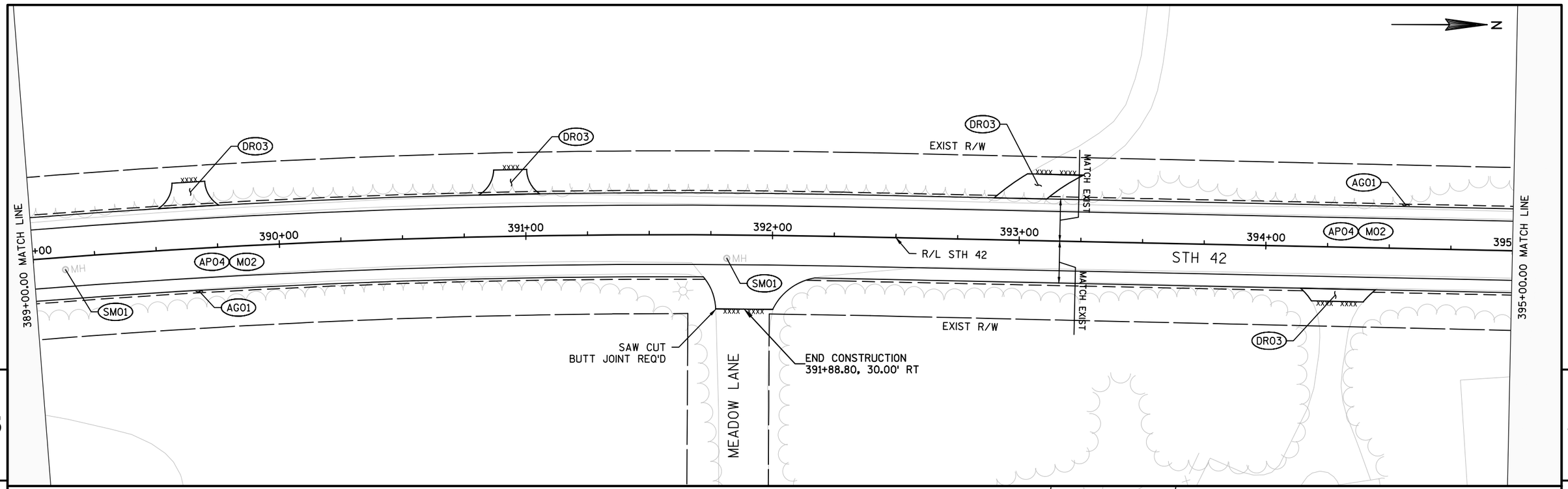
BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM616	600.29'	RR SPIKE TPOL*18 24FT EAST OF THE CENTERLINE STH 42 & 240FT NORTH OF ANDERSON RD

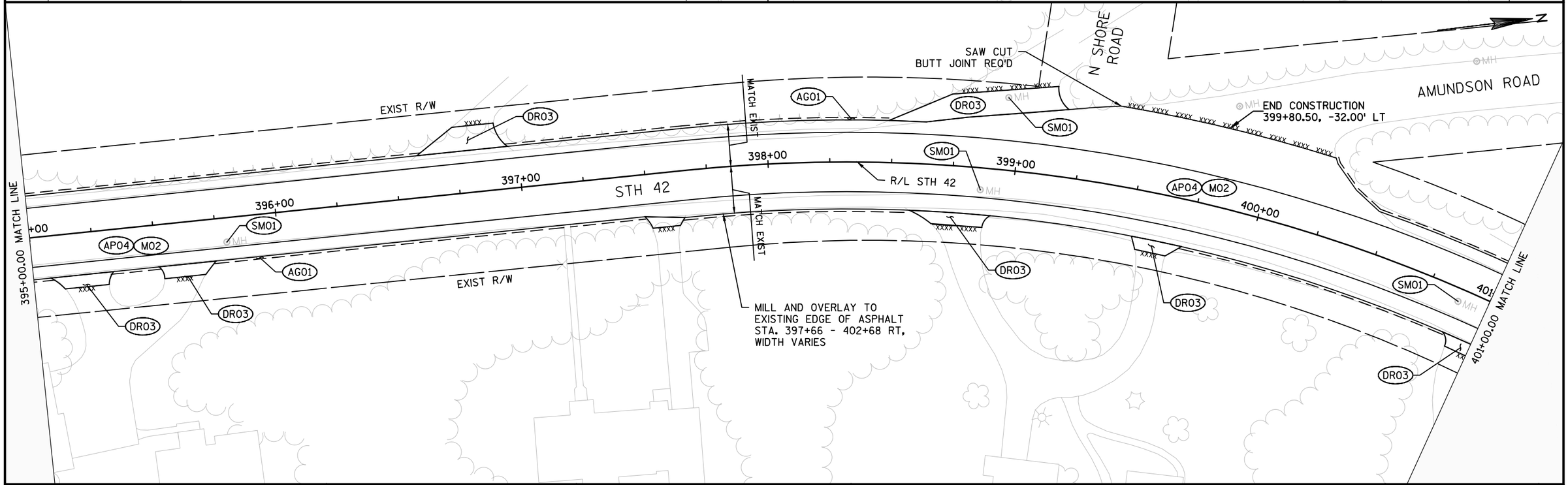
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 314	E





PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 315 E

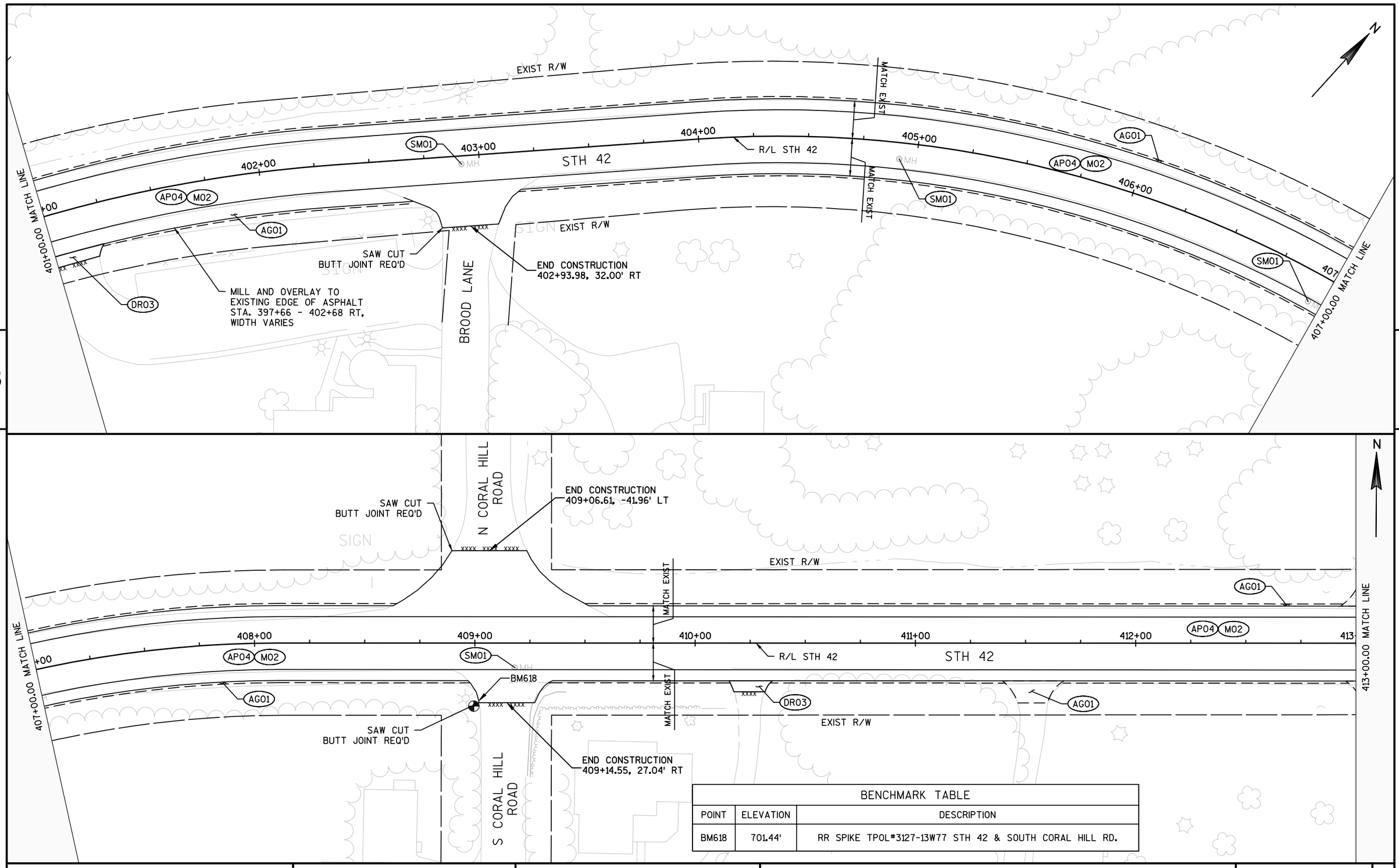




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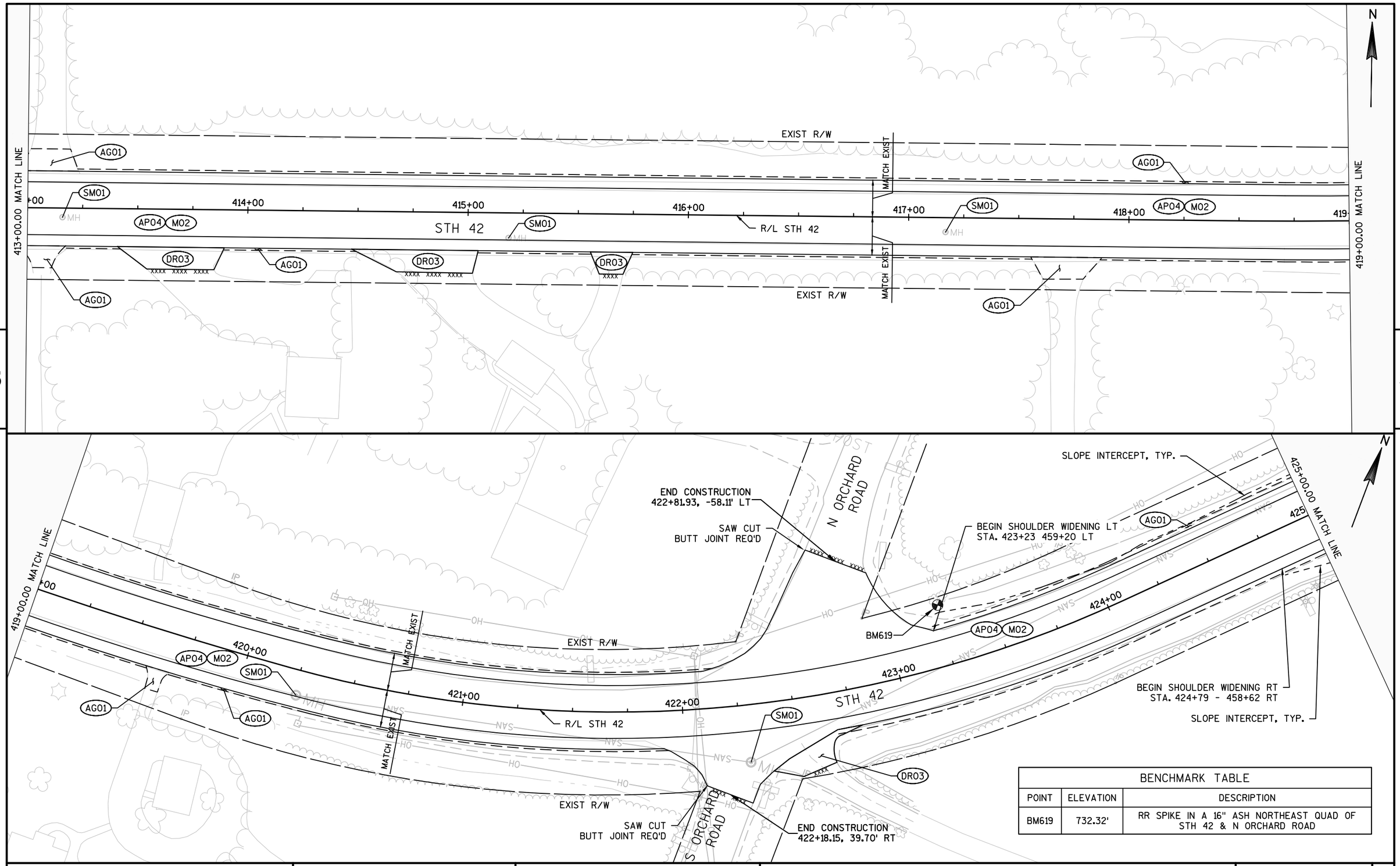
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 316	E



BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM618	701.44'	RR SPIKE TPOL#3127-13W77 STH 42 & SOUTH CORAL HILL RD.

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 317 E

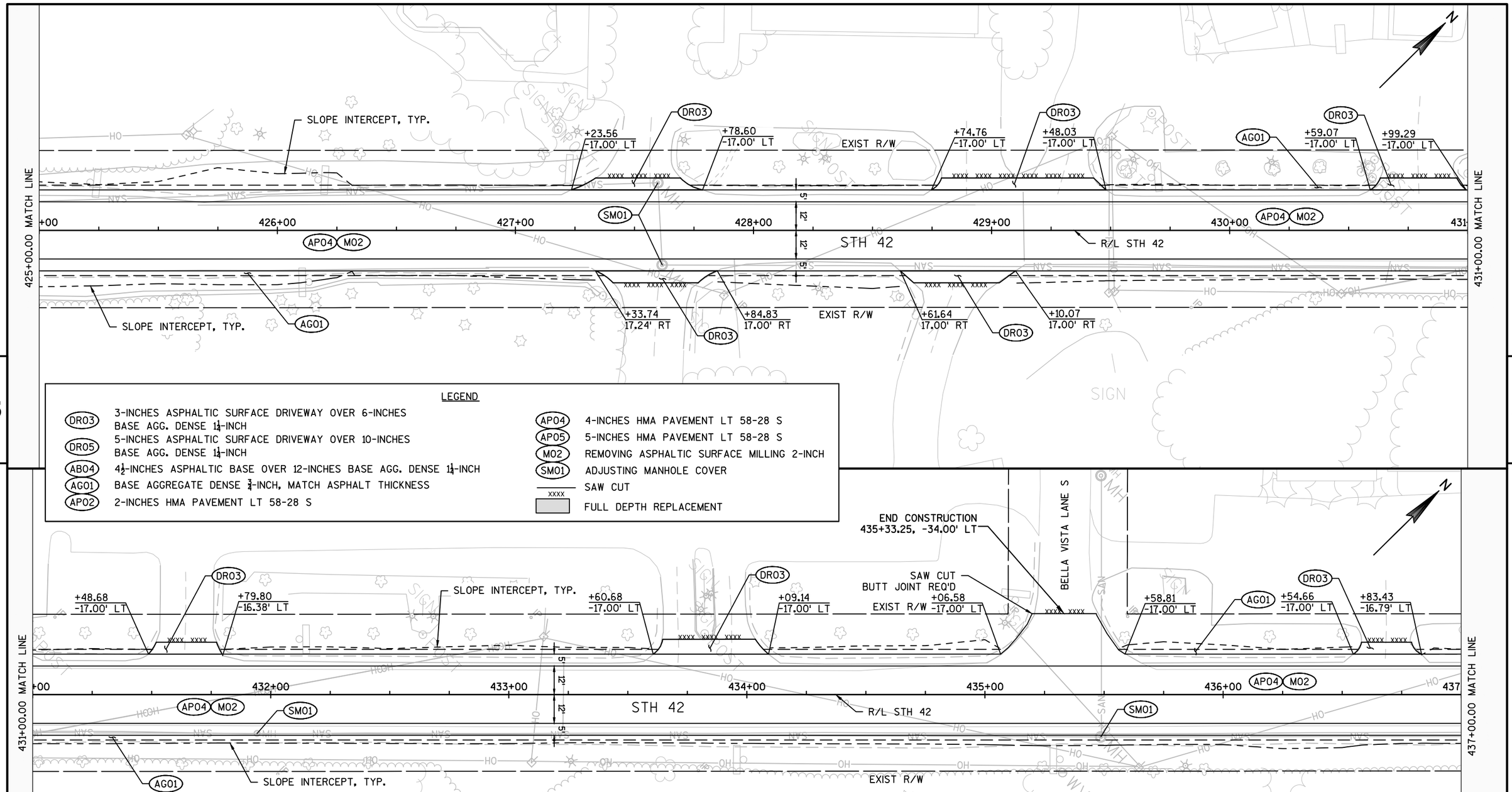


BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM619	732.32'	RR SPIKE IN A 16" ASH NORTHEAST QUAD OF STH 42 & N ORCHARD ROAD

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 318	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050244-PN

PLOT DATE : 10/16/2018 7:57 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

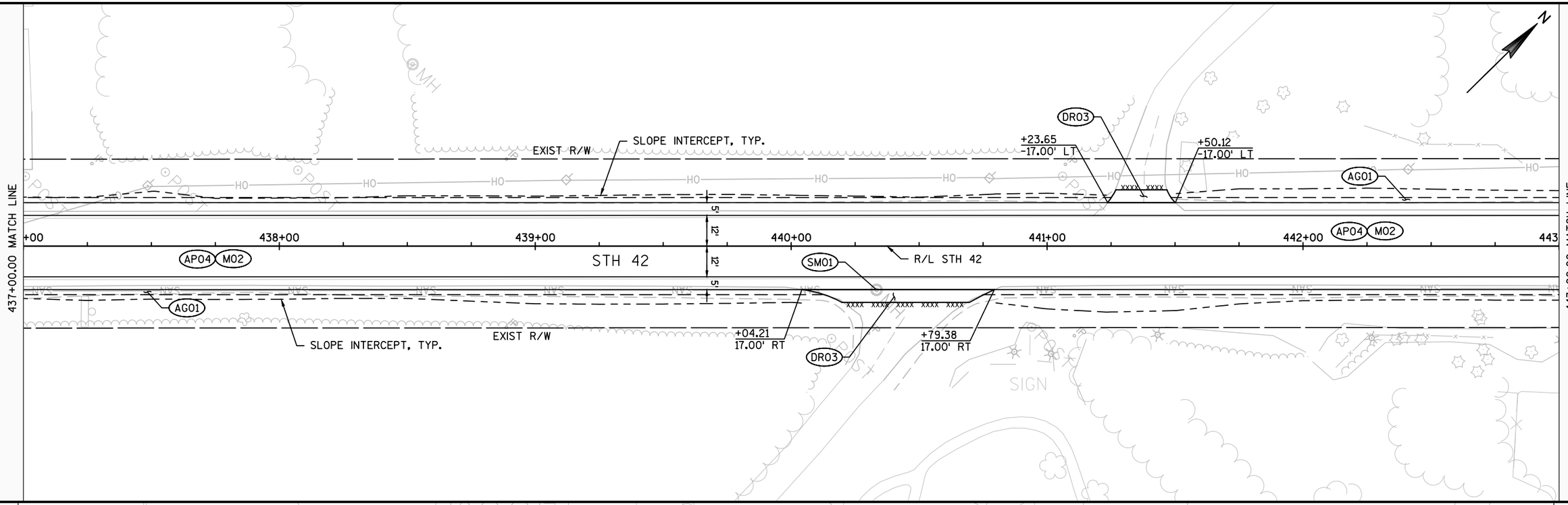


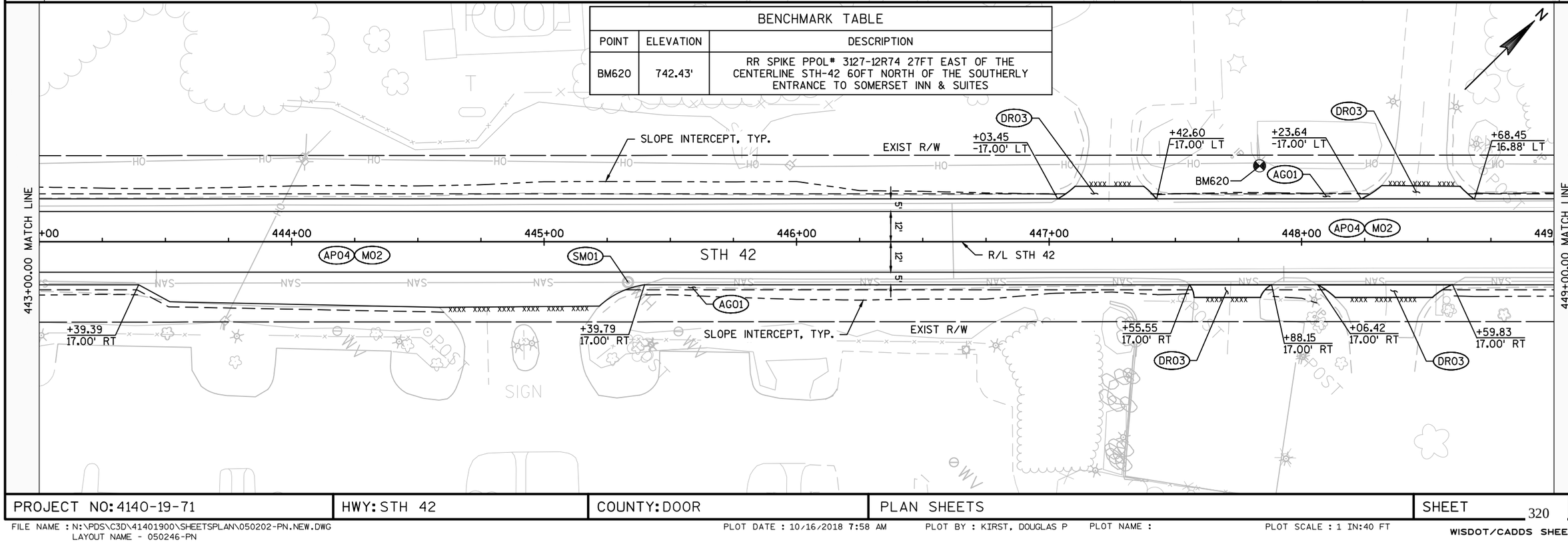
5

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LEGEND

DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS
AP02	2-INCHES HMA PAVEMENT LT 58-28 S
AP04	4-INCHES HMA PAVEMENT LT 58-28 S
AP05	5-INCHES HMA PAVEMENT LT 58-28 S
M02	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
SM01	ADJUSTING MANHOLE COVER
——	SAW CUT
XXXX	FULL DEPTH REPLACEMENT





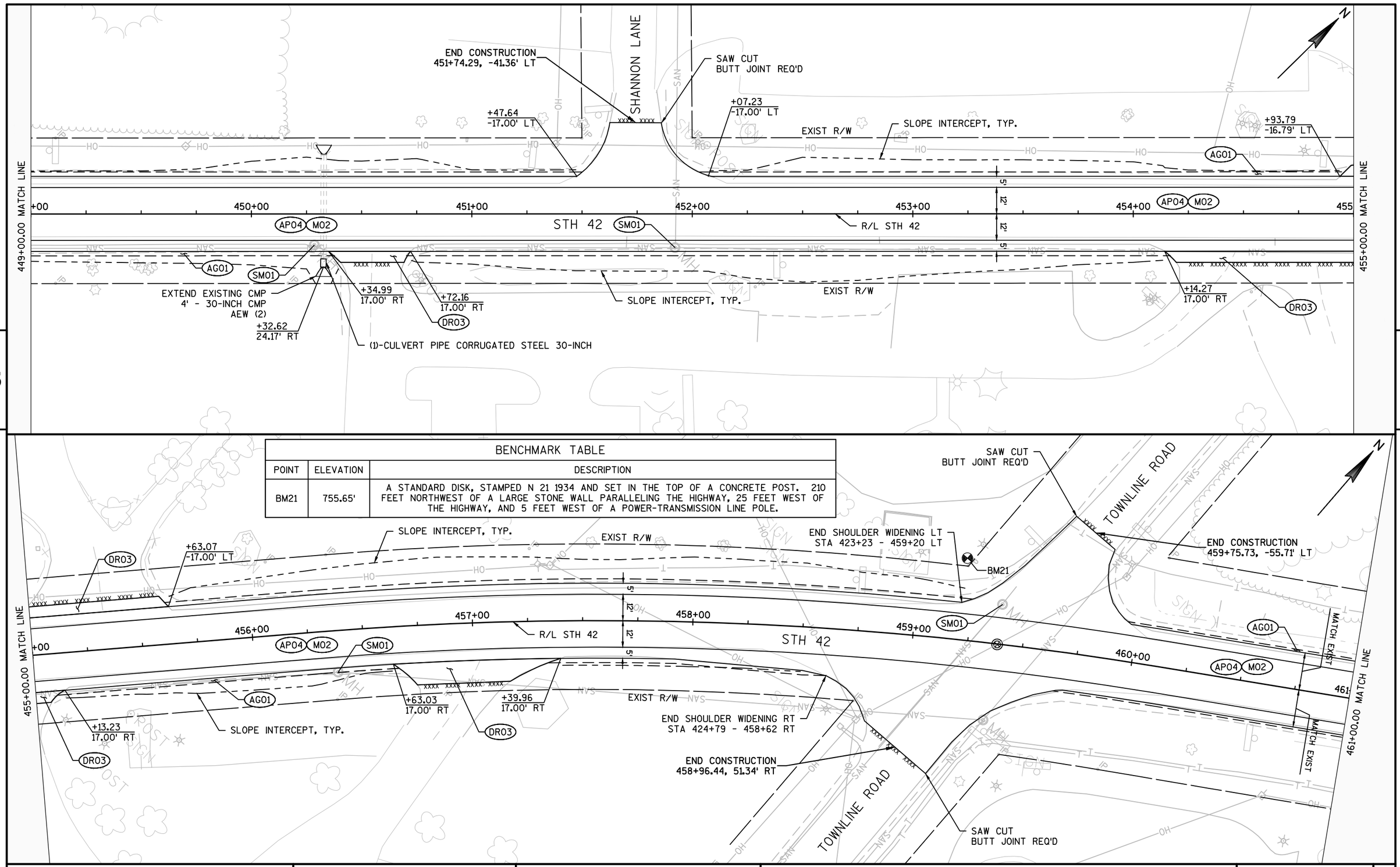
BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM620	742.43'	RR SPIKE PPOL# 3127-12R74 27FT EAST OF THE CENTERLINE STH-42 60FT NORTH OF THE SOUTHERLY ENTRANCE TO SOMERSET INN & SUITES

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 320 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050246-PN

PLOT DATE : 10/16/2018 7:58 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



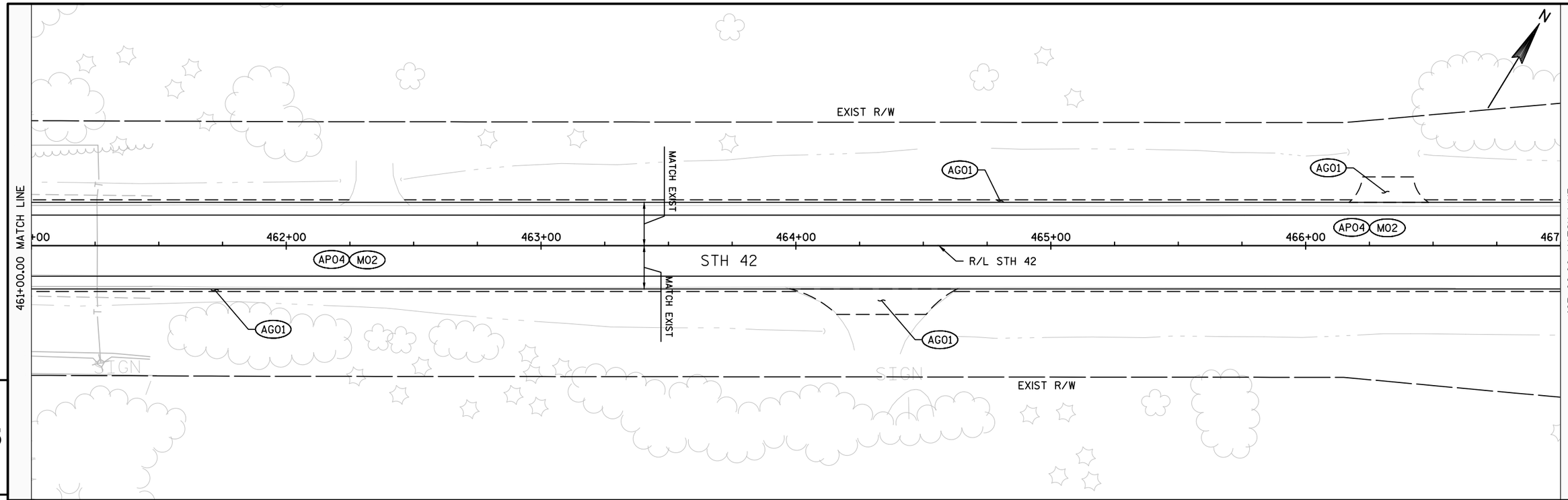
BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM21	755.65'	A STANDARD DISK, STAMPED N 21 1934 AND SET IN THE TOP OF A CONCRETE POST. 210 FEET NORTHWEST OF A LARGE STONE WALL PARALLELING THE HIGHWAY, 25 FEET WEST OF THE HIGHWAY, AND 5 FEET WEST OF A POWER-TRANSMISSION LINE POLE.

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 321	E

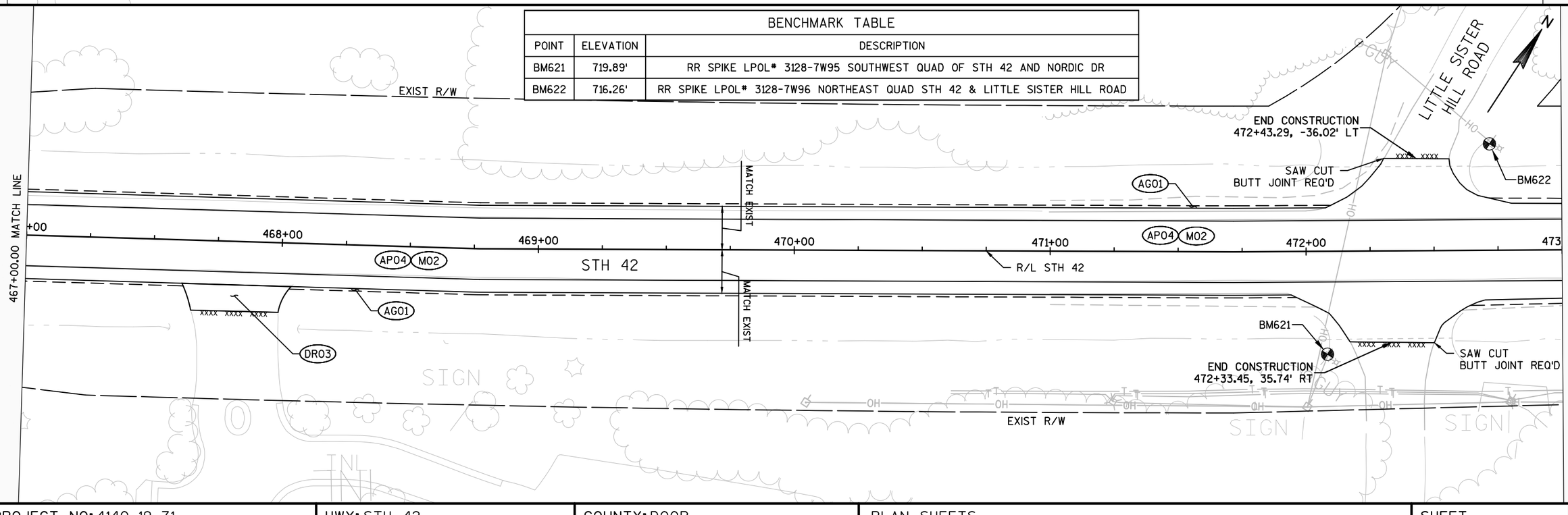
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050247-PN

PLOT DATE : 10/16/2018 7:58 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

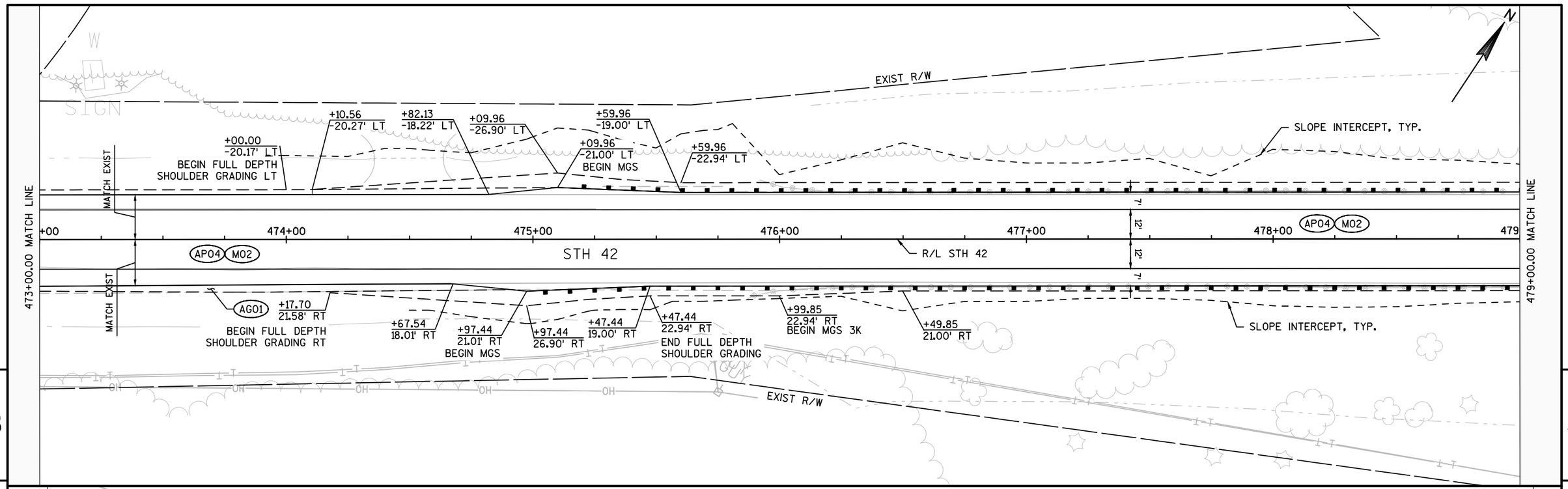
WISDOT/CADDS SHEET 44



BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM621	719.89'	RR SPIKE LPOL* 3128-7W95 SOUTHWEST QUAD OF STH 42 AND NORDIC DR
BM622	716.26'	RR SPIKE LPOL* 3128-7W96 NORTHEAST QUAD STH 42 & LITTLE SISTER HILL ROAD



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 322 E



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 323	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050249-PN
PLOT DATE : 10/16/2018 7:59 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

S BAY SHORE DRIVE

END CONSTRUCTION
486+57.09, -61.36' LT

SAW CUT
BUTT JOINT REQ'D

MILL & OVERLAY EXTENDS
THROUGH INTERSECTION CURB RETURNS

SLOPE INTERCEPT, TYP.

+03.94
-22.94' LT

+03.94
-19.00' LT

+53.91
-26.89' LT

+53.91
-21.00' LT
END MGS

+58.16
-20.59' LT

EXIST R/W

BM631

MATCH EXIST

AG01

AP04 M02

485+00.00 MATCH LINE

+00 486+00 487+00 488+00 489+00 490+00 491

STH 42

R/L STH 42

491+00.00 MATCH LINE

DR03

+06.44
21.01' RT
END MGS

+41.03
17.55' RT

+03.81
20.19' RT

SLOPE INTERCEPT, TYP.

+06.44
26.90' RT

SAW CUT
BUTT JOINT REQ'D

MILL & OVERLAY EXTENDS
THROUGH INTERSECTION CURB RETURNS

EXIST R/W

BIKE PATH

COUNTRY LANE

END CONSTRUCTION
486+54.58, 62.55' RT

BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM631	648.28'	RR SPIKE LPOL* 3128-7W66 NORTHEAST QUAD OF STH-42 & LITTLE SISTER ROAD

LEGEND

DR03	3-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 6-INCHES BASE AGG. DENSE 1¼-INCH
DR05	5-INCHES ASPHALTIC SURFACE DRIVEWAY OVER 10-INCHES BASE AGG. DENSE 1¼-INCH
AB04	4½-INCHES ASPHALTIC BASE OVER 12-INCHES BASE AGG. DENSE 1¼-INCH
AG01	BASE AGGREGATE DENSE ¾-INCH, MATCH ASPHALT THICKNESS
AP02	2-INCHES HMA PAVEMENT LT 58-28 S
AP04	4-INCHES HMA PAVEMENT LT 58-28 S
AP05	5-INCHES HMA PAVEMENT LT 58-28 S
M02	REMOVING ASPHALTIC SURFACE MILLING 2-INCH
SM01	ADJUSTING MANHOLE COVER
XXXX	SAW CUT
	FULL DEPTH REPLACEMENT

WESTWOOD DRIVE

SAW CUT
BUTT JOINT REQ'D

END CONSTRUCTION
493+40.85, -38.29' LT

EXIST R/W

BM623

MATCH EXIST

DR03

AG01

491+00.00 MATCH LINE

+00 492+00 493+00 494+00 495+00 496+00 497

AP04 M02

STH 42

R/L STH 42

497+00.00 MATCH LINE

EXIST R/W

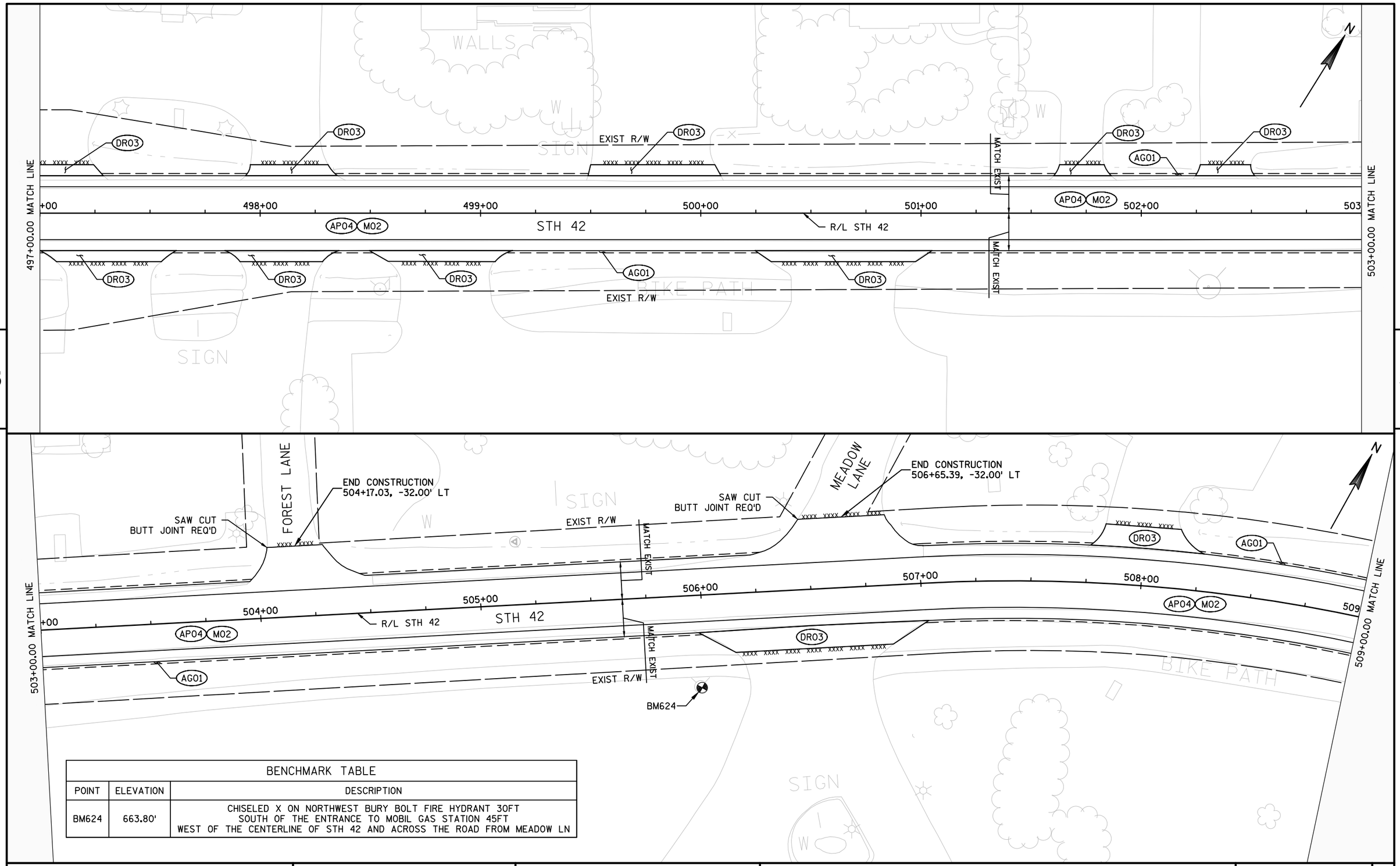
BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM623	654.37'	NAIL IN LPOL*3128-7E43 SOUTHEAST QUAD OF STH 42 AND WESTWOOD DR

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 324	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050250-PN

PLOT DATE : 10/16/2018 8:00 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



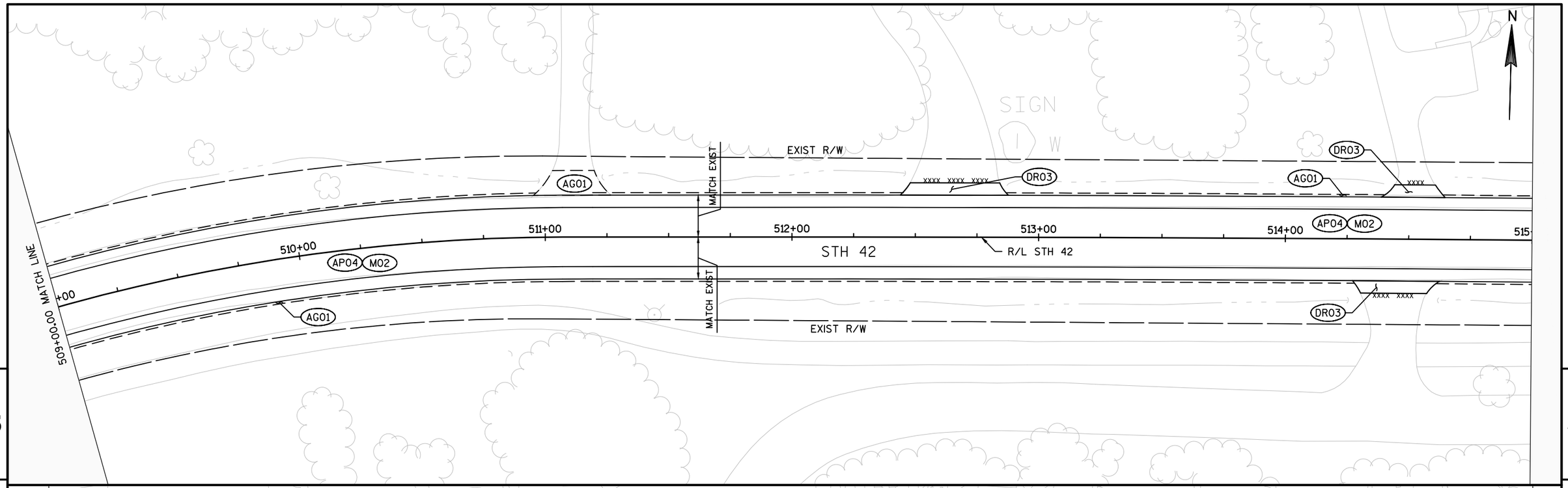
BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM624	663.80'	CHISELED X ON NORTHWEST BURY BOLT FIRE HYDRANT 30FT SOUTH OF THE ENTRANCE TO MOBIL GAS STATION 45FT WEST OF THE CENTERLINE OF STH 42 AND ACROSS THE ROAD FROM MEADOW LN

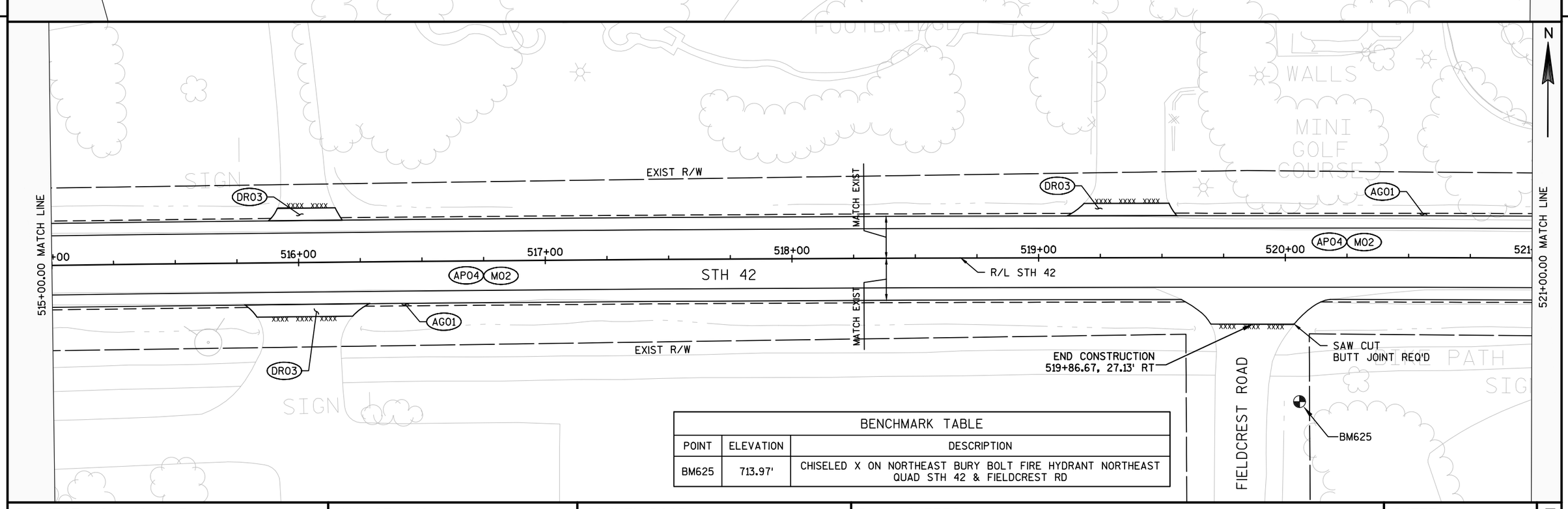
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 325 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\050202-PN.NEW.DWG
LAYOUT NAME - 050251-PN

PLOT DATE : 10/16/2018 8:00 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:40 FT

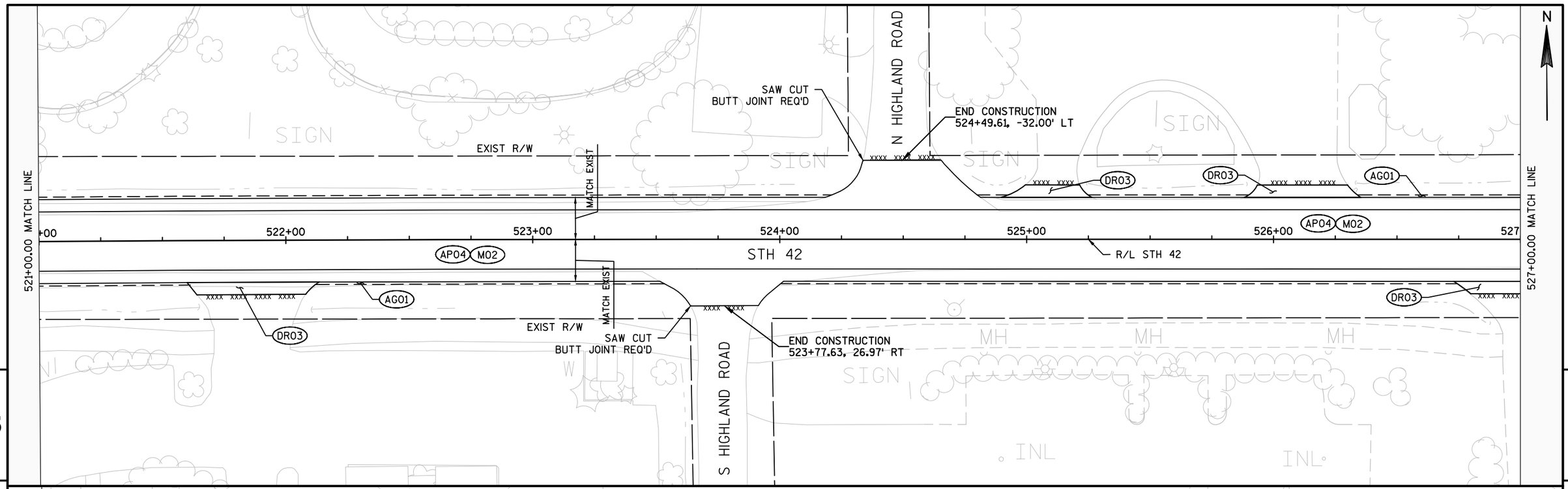
WISDOT/CADDS SHEET 44





BENCHMARK TABLE		
POINT	ELEVATION	DESCRIPTION
BM625	713.97'	CHISELED X ON NORTHEAST BURY BOLT FIRE HYDRANT NORTHEAST QUAD STH 42 & FIELDCREST RD

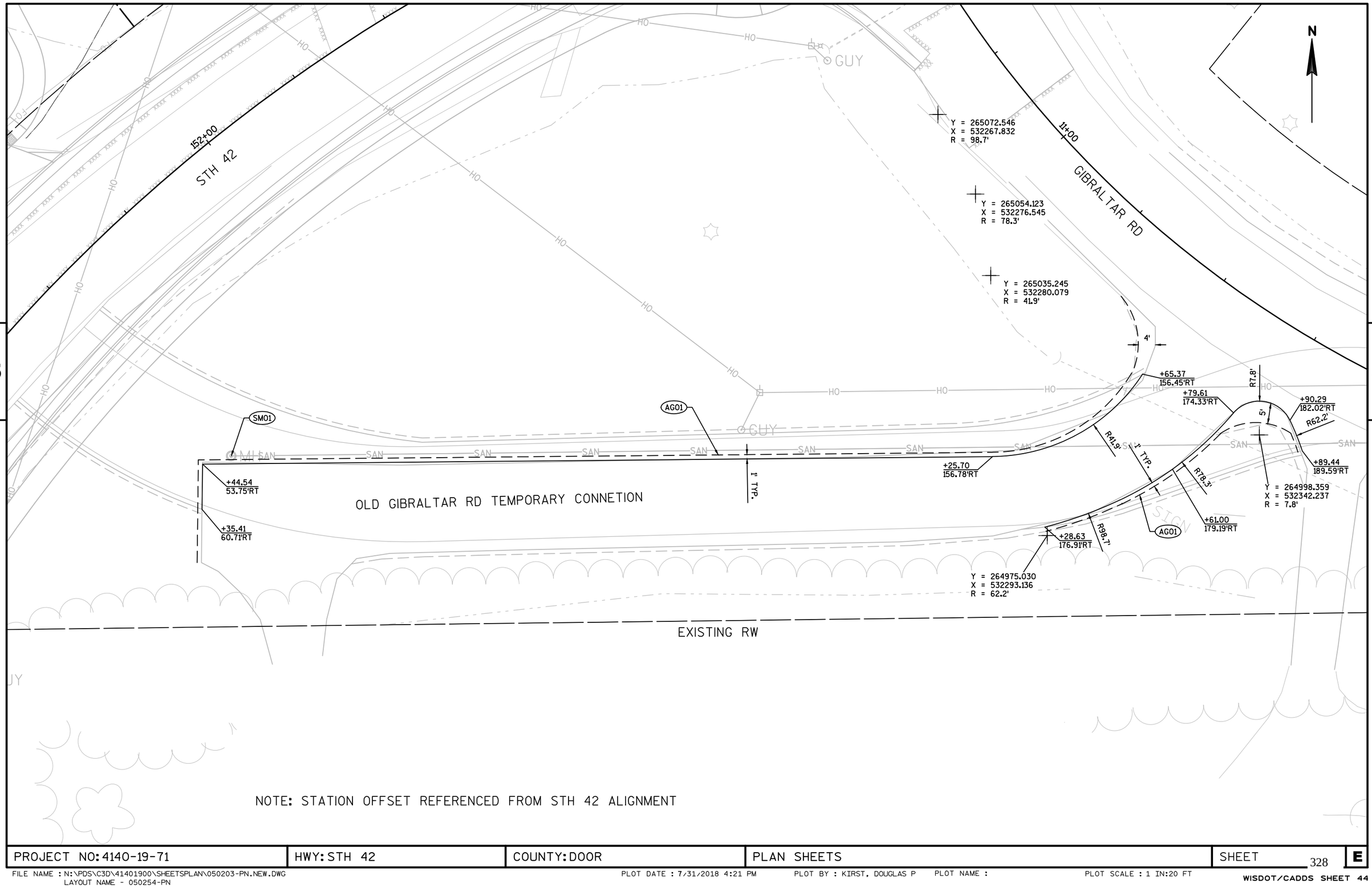
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 326 E



5

5

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 327 E



NOTE: STATION OFFSET REFERENCED FROM STH 42 ALIGNMENT

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	PLAN SHEETS	SHEET 328	E

Standard Detail Drawing List

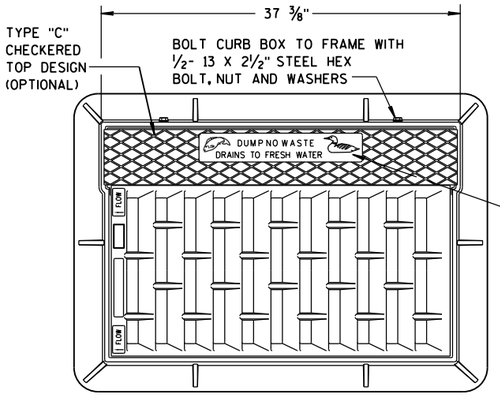
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-02	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
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
09B02-10	CONDUIT
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C05-10	CONCRETE CONTROL CABINET BASES
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-14A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-14D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-14E	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)
09E01-14G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E02-04	FREEWAY LIGHTING UNIT POLE WIRING
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
09H04-01	2 CIRCUIT ELECTRICAL SERVICE METER BREAKER PEDESTAL AND BREAKER DISCONNECT BOX
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14A01-03	TREE PRESERVATION DETAILS
14B29-01	SAFETY EDGE
14B42-06A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

6

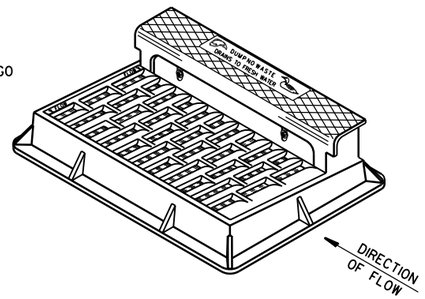
Standard Detail Drawing List

15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14A	PAVEMENT MARKING SYMBOLS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19B	PAVEMENT MARKING (TURN LANES)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04	MEDIAN ISLAND MARKING
15C19-05A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C26-03	END-OF-ROADWAY SIGNING
15C27-03A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C34-03	STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKER, TYPE 2
15C35-03A	PAVEMENT MARKING (INTERSECTIONS)
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-06	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-05	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D30-04A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-04B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-04C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING

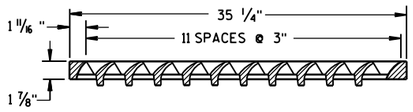
6

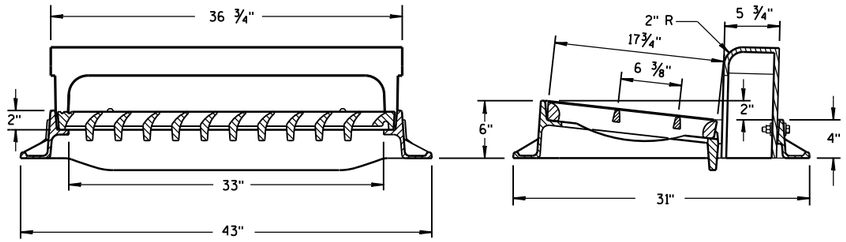


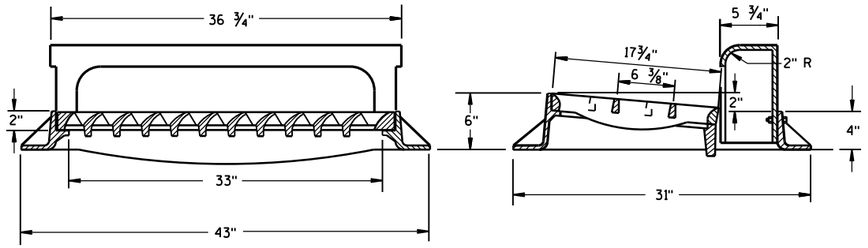
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

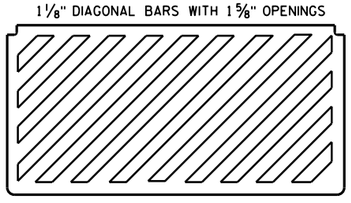






TYPE "H"

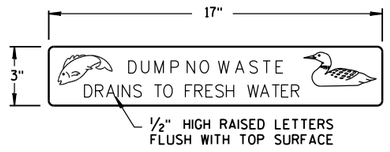
NOTE: EITHER CASTING IS ACCEPTABLE



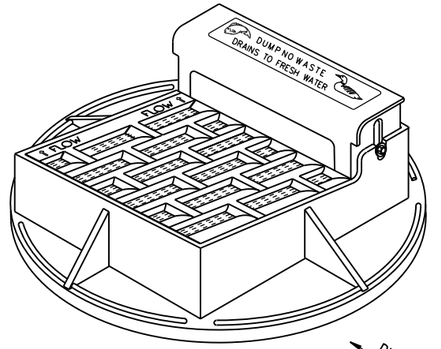
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

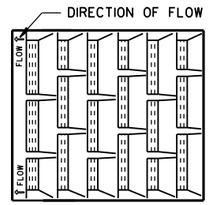
NOTE:
GRATE IS REVERSIBLE.

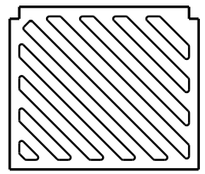
GENERAL NOTES

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

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

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

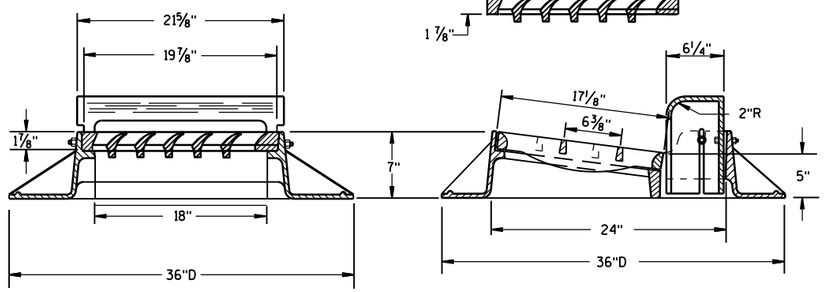




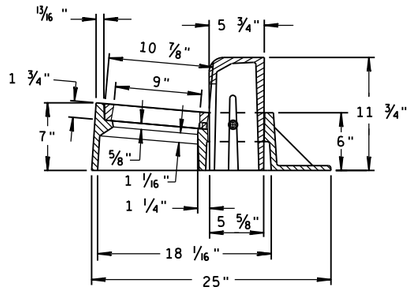
SPECIAL GRATE FOR TYPE "A" COVER

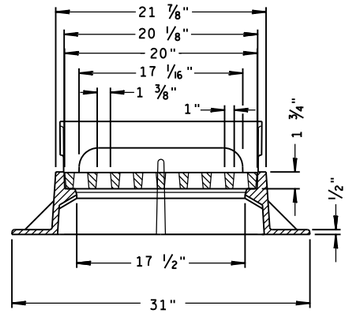
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

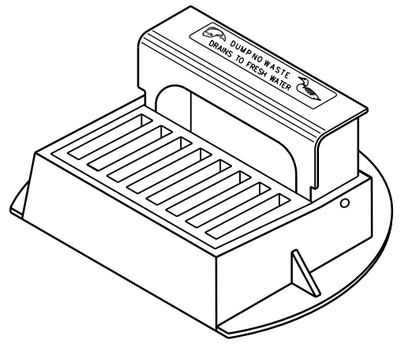


TYPE "A"





TYPE "Z"



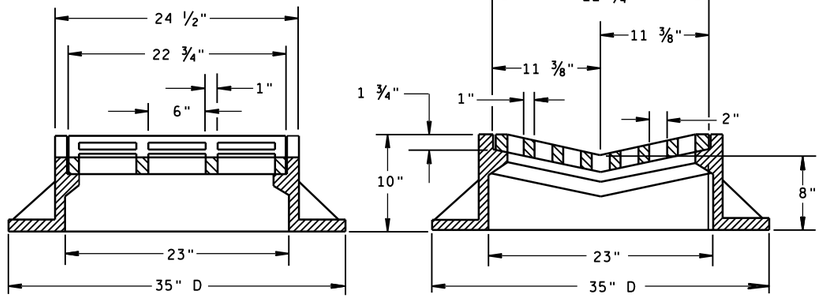
INLET COVERS
TYPE A, H, A-S, H-S & Z

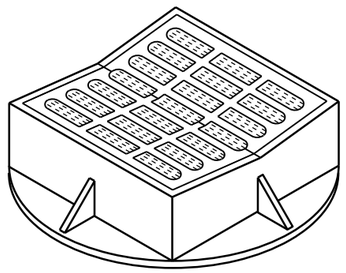
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

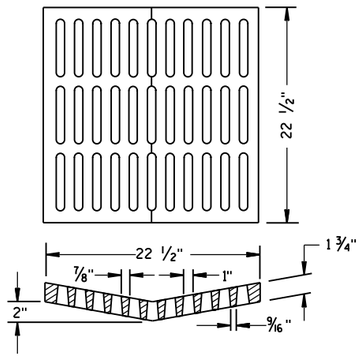
6

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



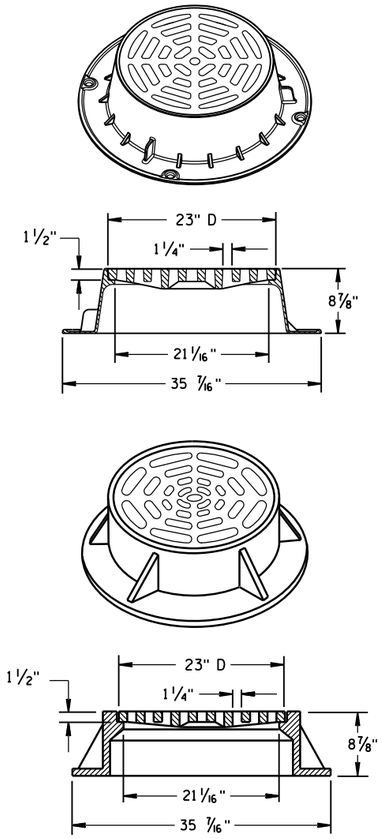


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

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



TYPE "C"

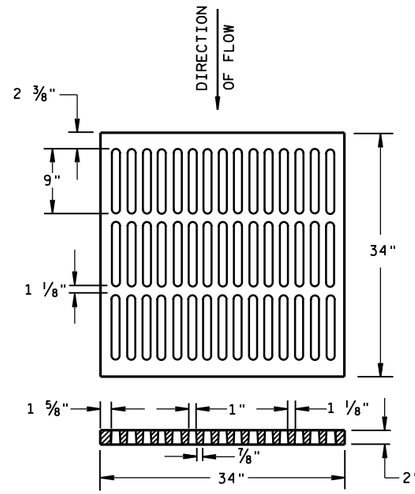
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

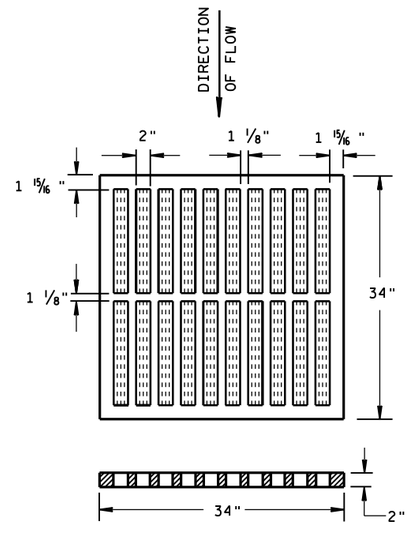
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



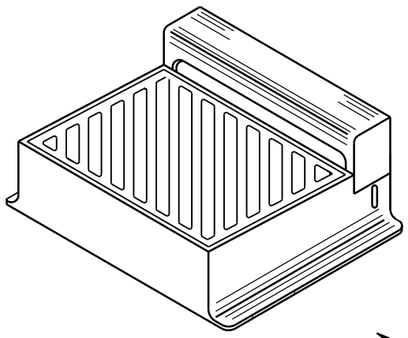
ALTERNATIVE TYPE "MS"

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

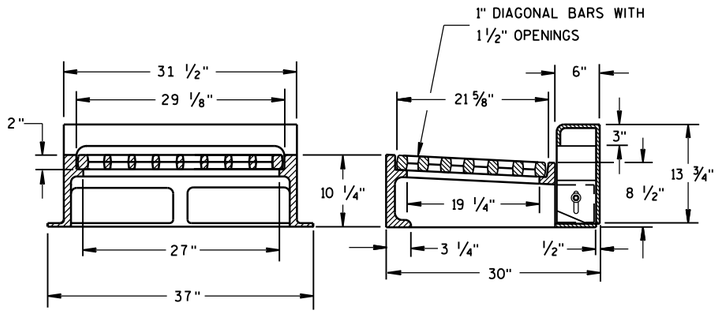


TYPE "MS"

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



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



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

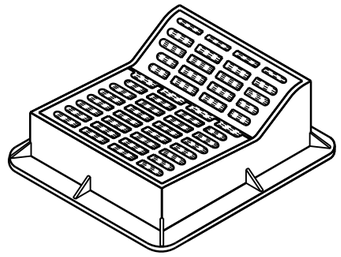
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

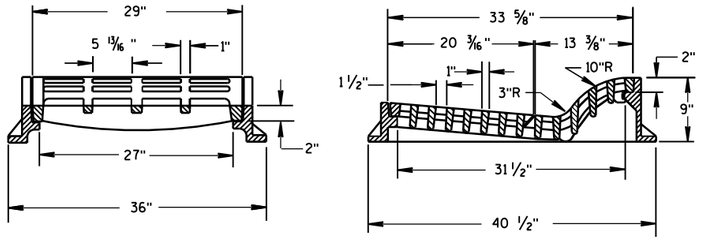
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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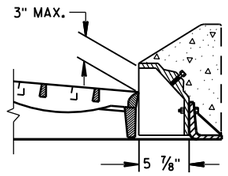
S.D.D. 8 A 5-19b





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

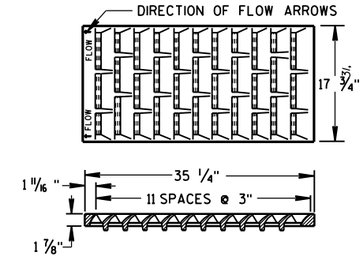
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

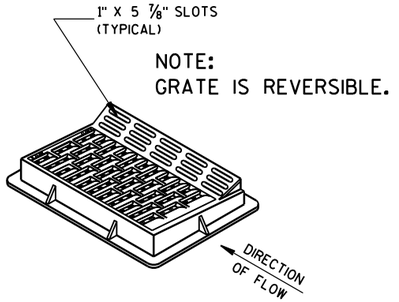
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

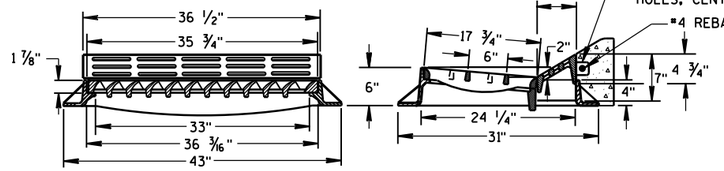
GENERAL NOTES

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

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



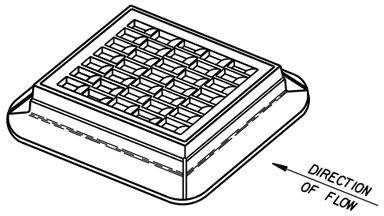


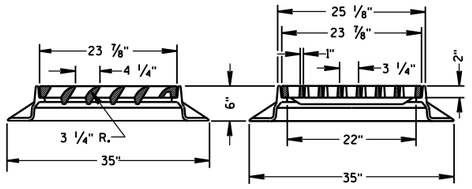


TYPE "HM"

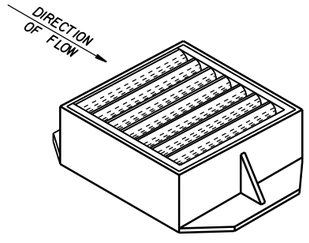
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

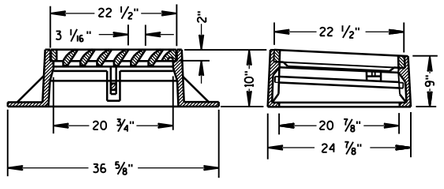
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



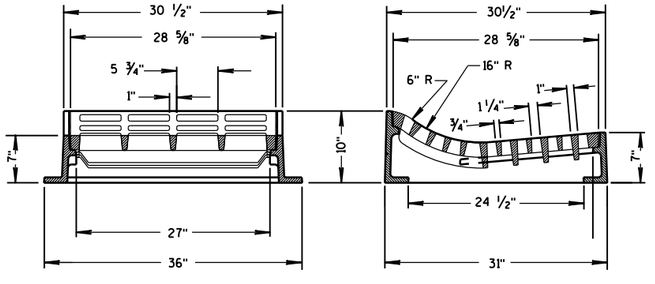


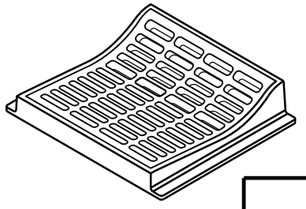
TYPE "S"





TYPE "V"





TYPE "T"

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

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

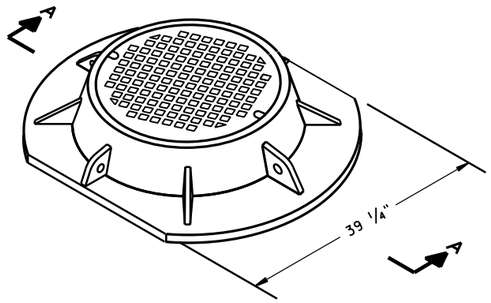
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

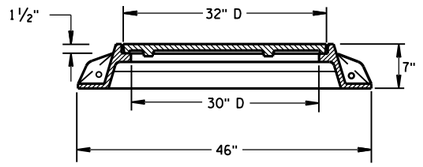
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

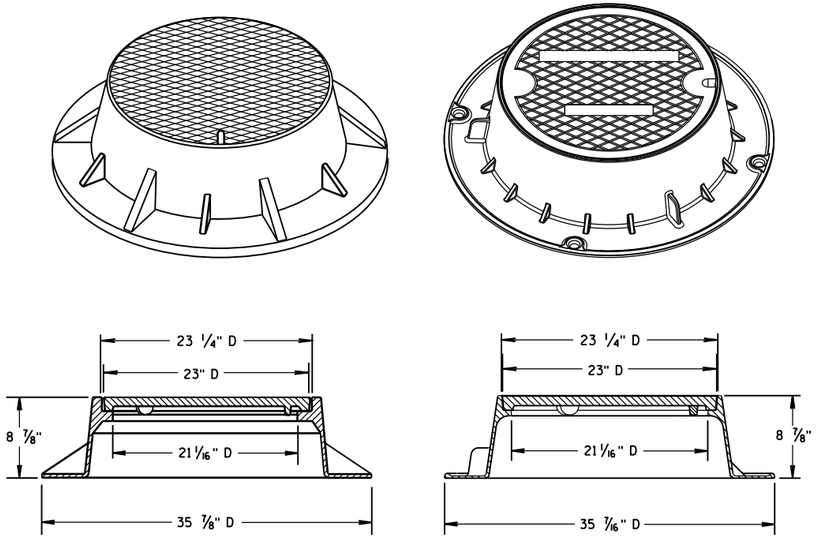
FHWA

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





SECTION A-A
TYPE "K"



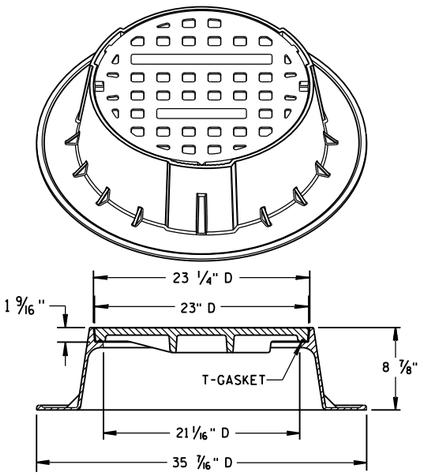
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

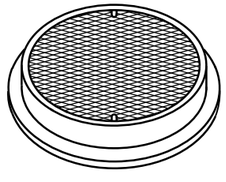
GENERAL NOTES

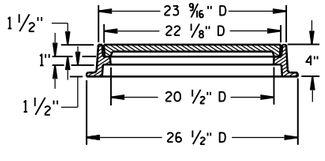
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DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

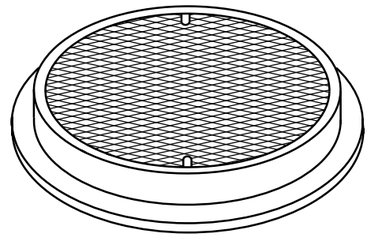
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

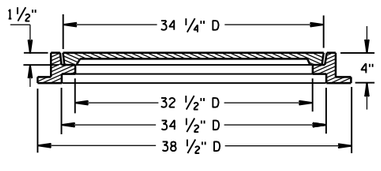




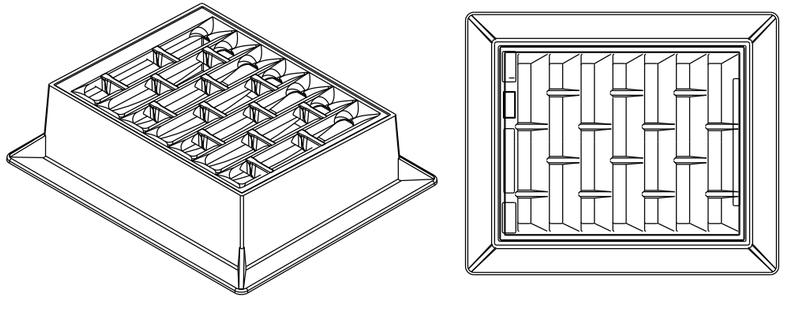


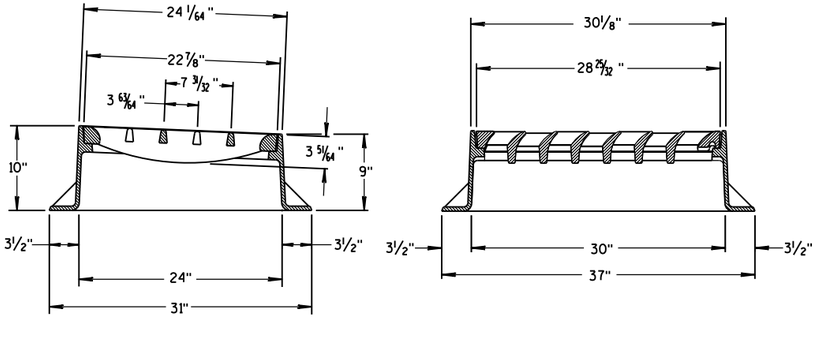
TYPE "L"



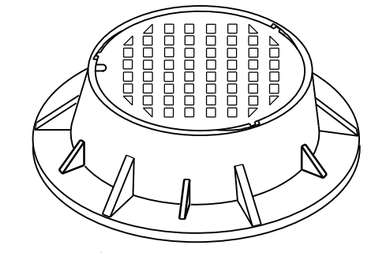


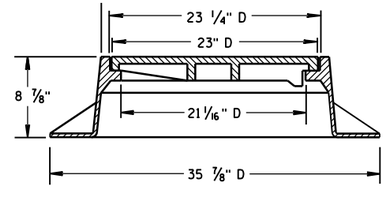
TYPE "M"





INLET COVER TYPE "BW"





TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

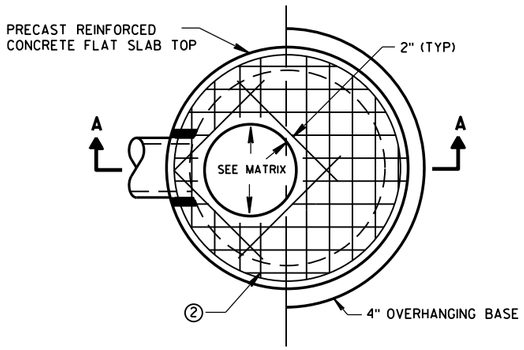
STATE OF WISCONSIN
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DATE
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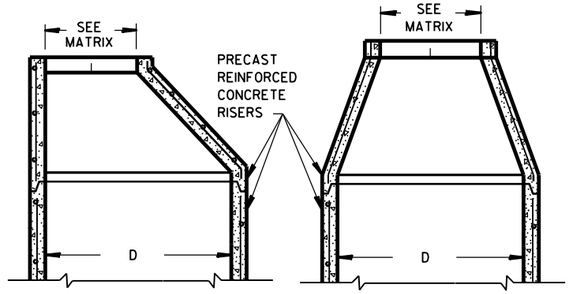
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

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

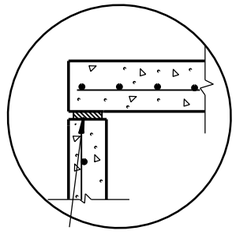


PLAN VIEW CIRCULAR OPENING

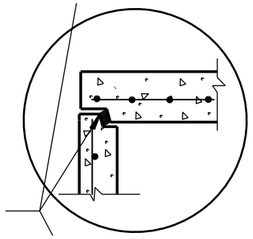


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

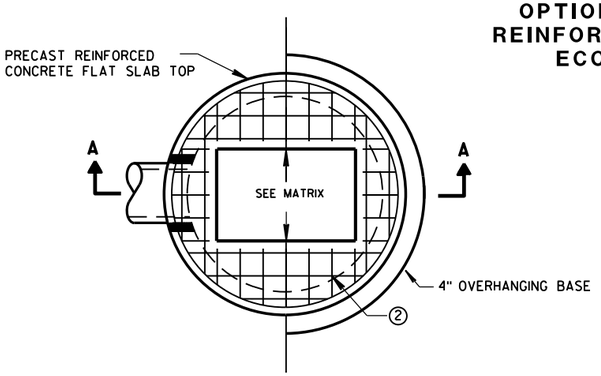
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



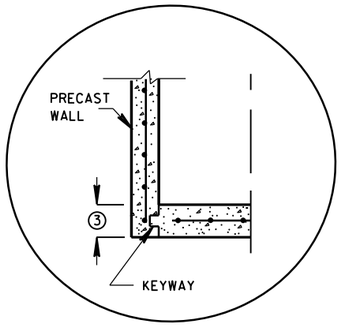
TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

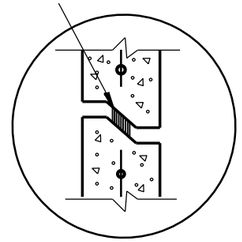


PLAN VIEW RECTANGULAR OPENING



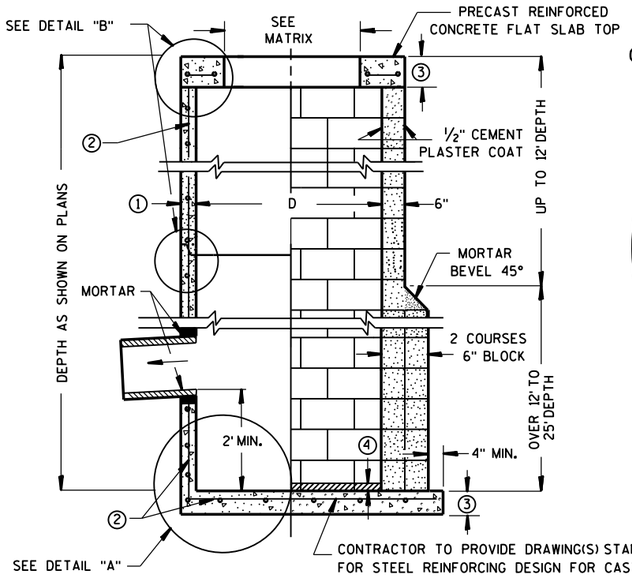
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

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



RISER WITH TONGUE AND GROOVE JOINT

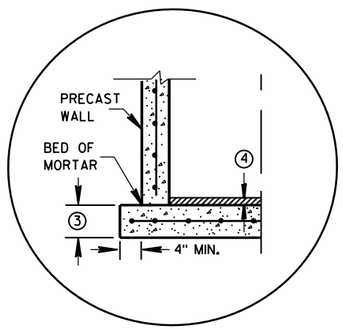
DETAIL "B"



SECTION A-A

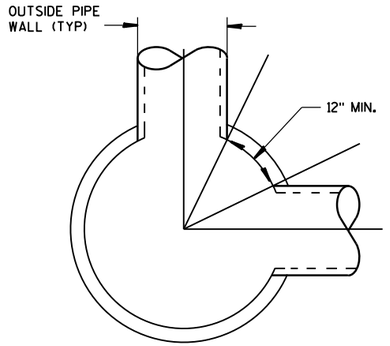
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

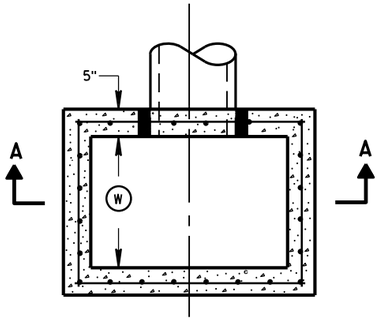
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

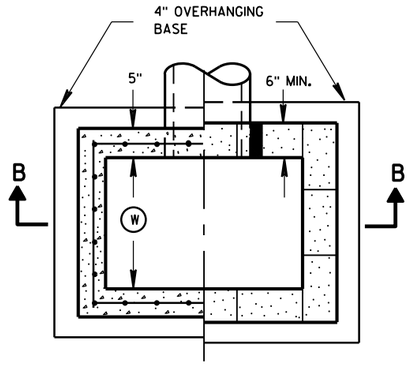
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

S.D.D. 8 A 8-2

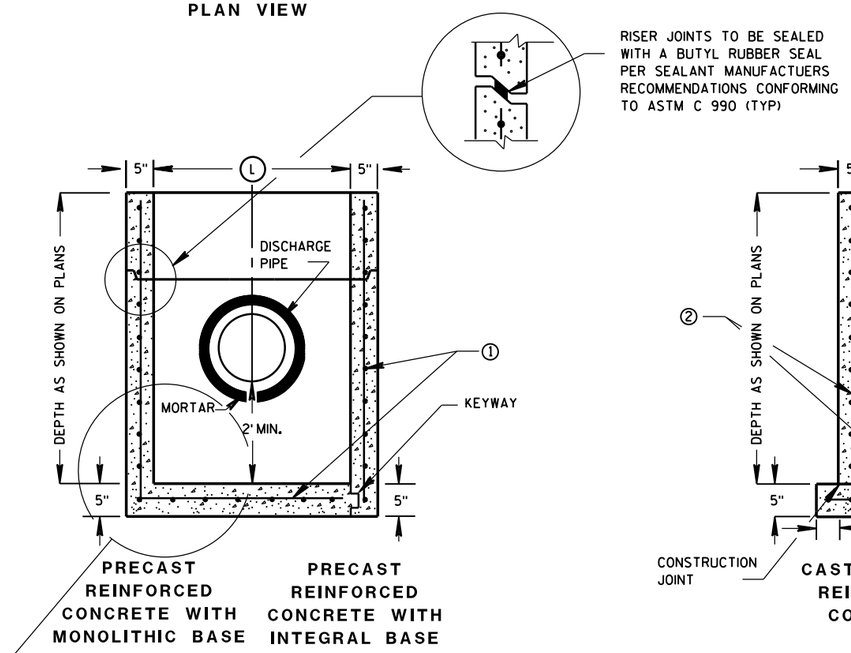
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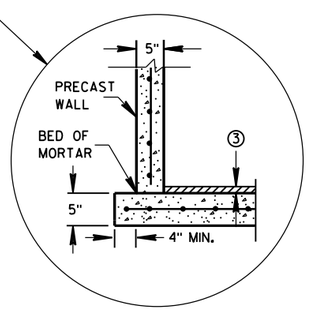
PLAN VIEW



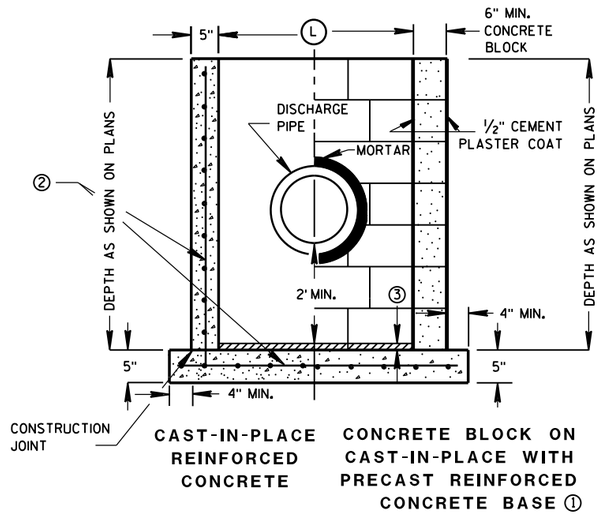
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

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 CATCH BASIN 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 CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

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

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

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

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

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

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

① FOR PRECAST CATCH BASINS 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.

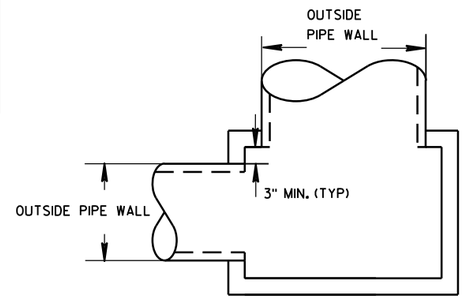
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

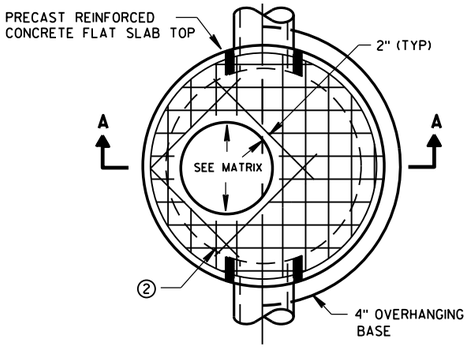
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
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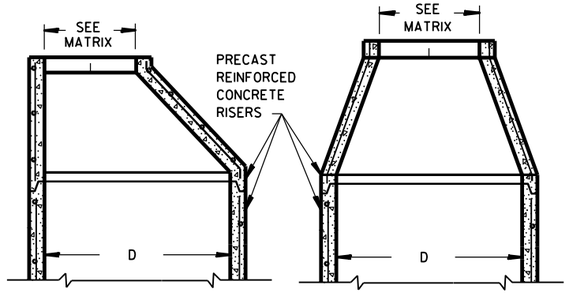
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Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

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S.D.D. 8 A 9-2

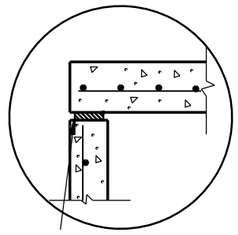


PLAN VIEW CIRCULAR OPENING

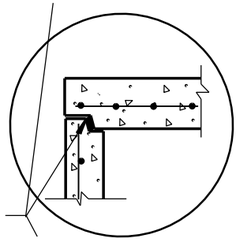


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

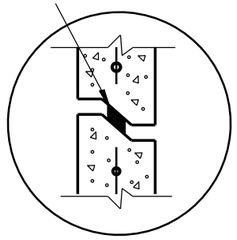


TOP WITH PLAIN END JOINT



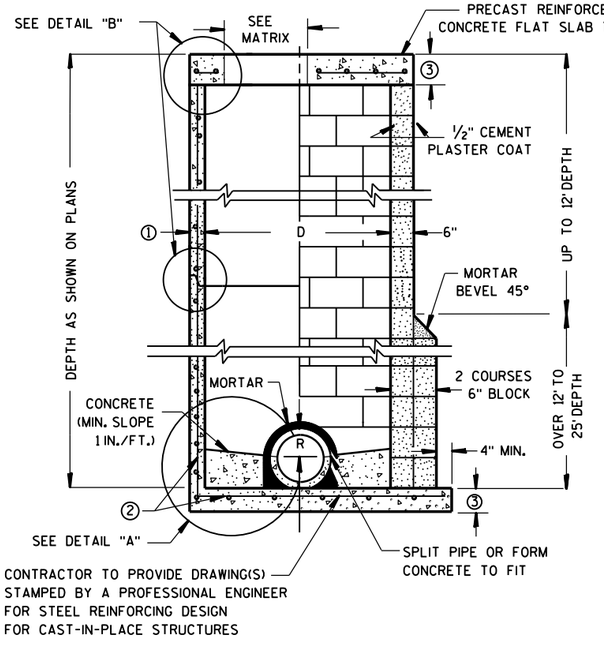
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



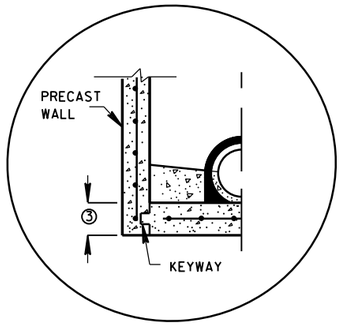
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

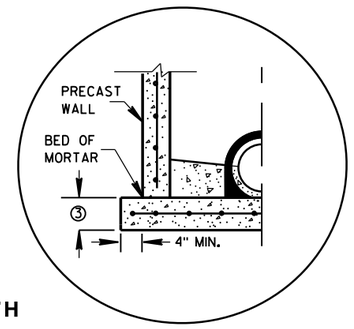


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

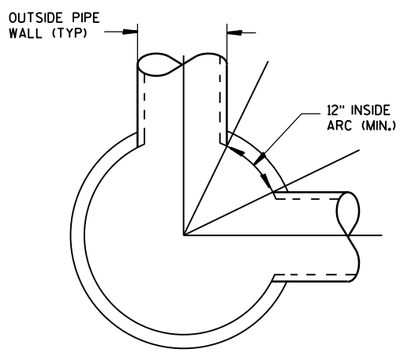


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

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

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

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

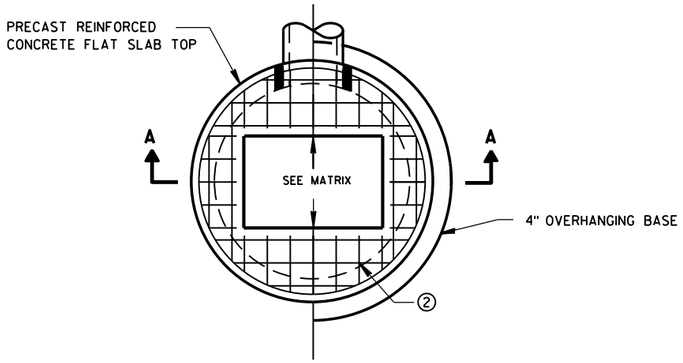
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Sept., 2016
DATE

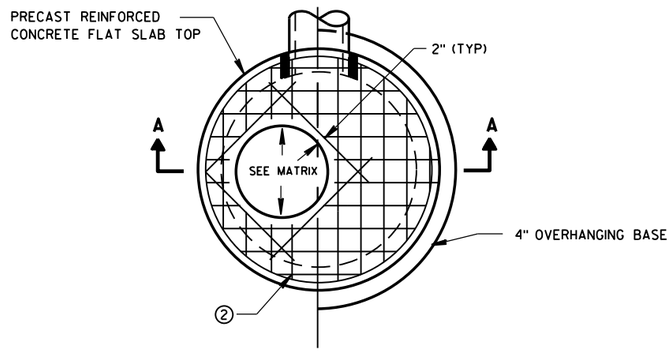
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

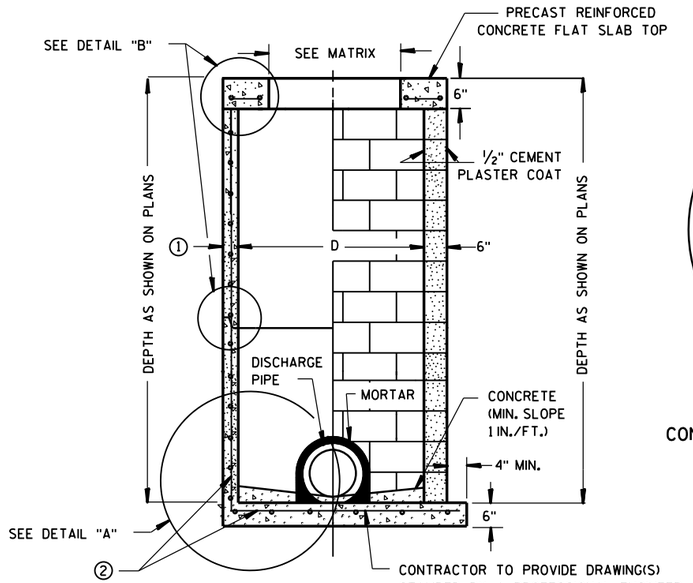
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PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

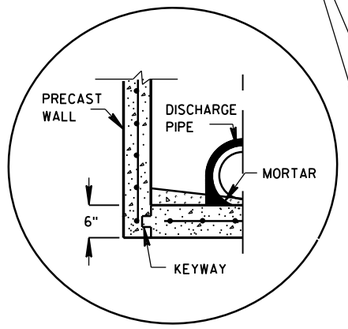


SECTION A-A

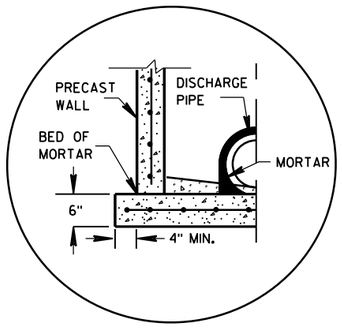
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

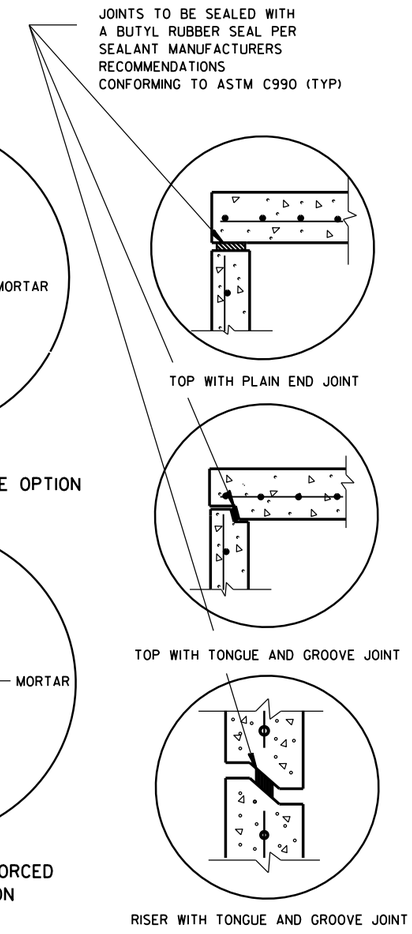


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

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

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

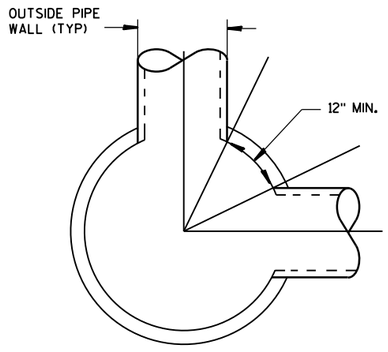
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

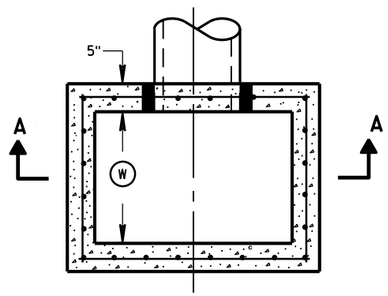
INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

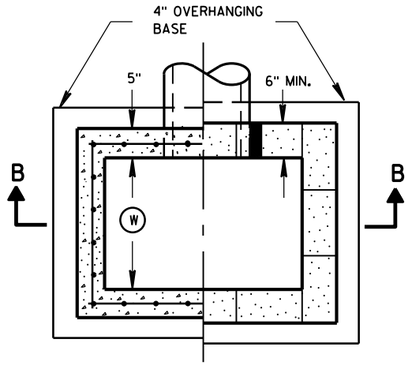
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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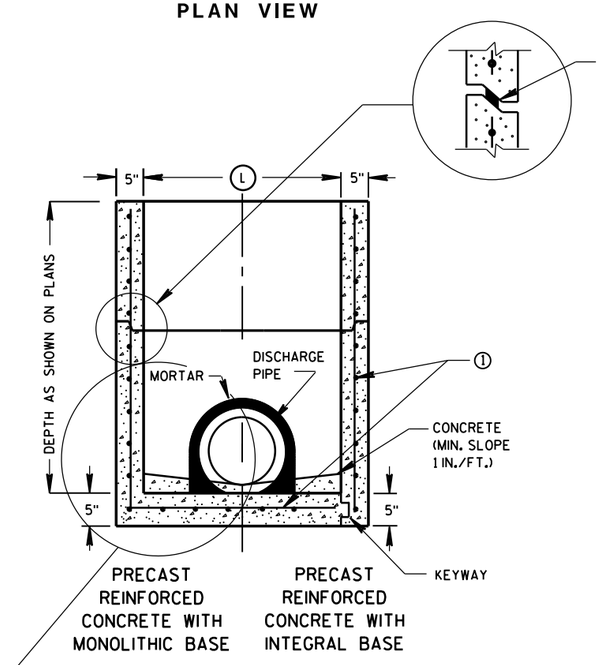
INLETS 3-FT AND 4-FT DIAMETER



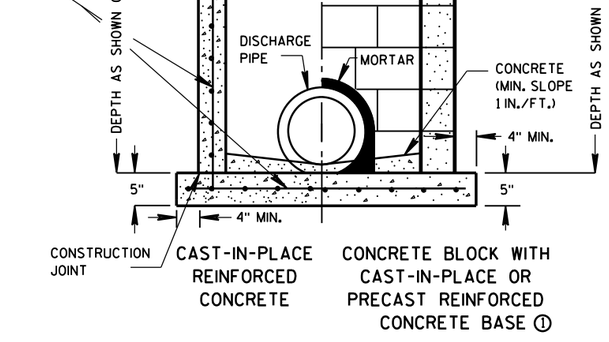
PLAN VIEW



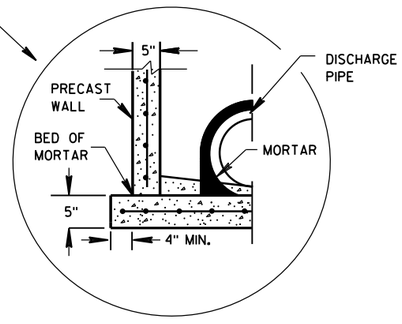
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

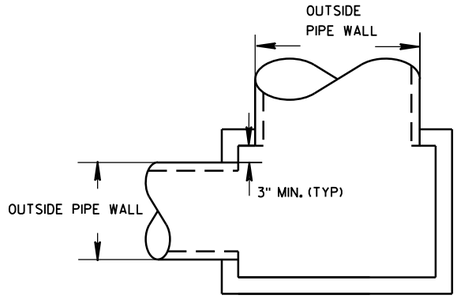
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



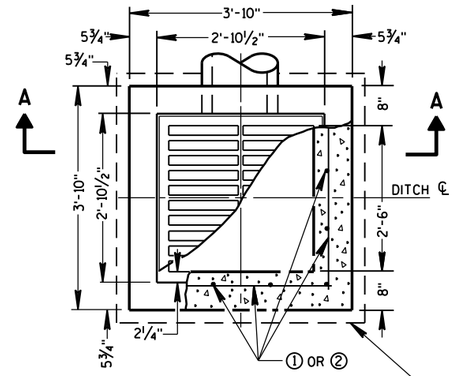
DETAIL "A"

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

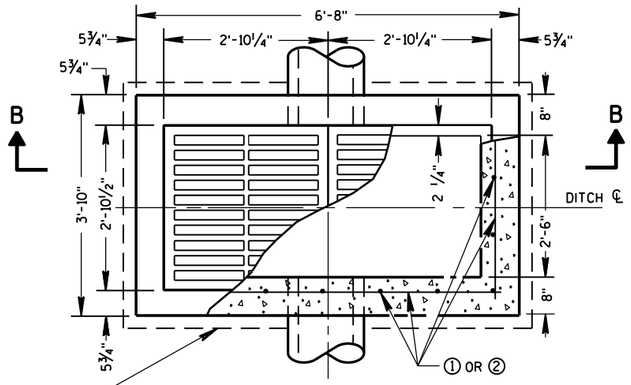
STATE OF WISCONSIN
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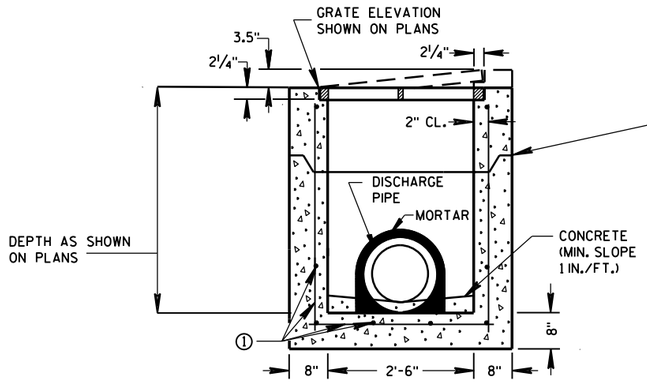


PLAN VIEW

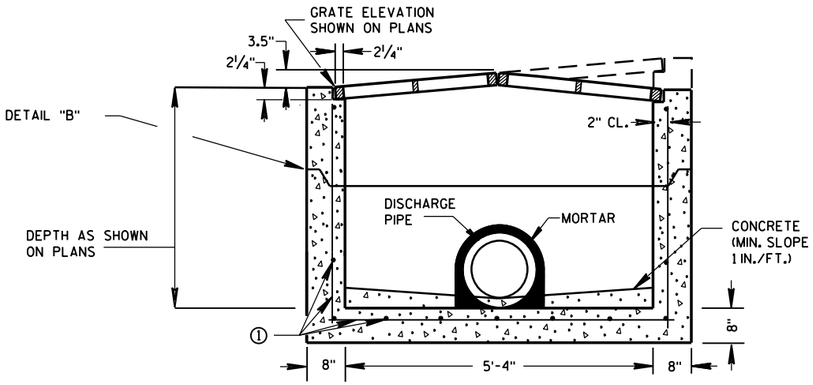


PLAN VIEW

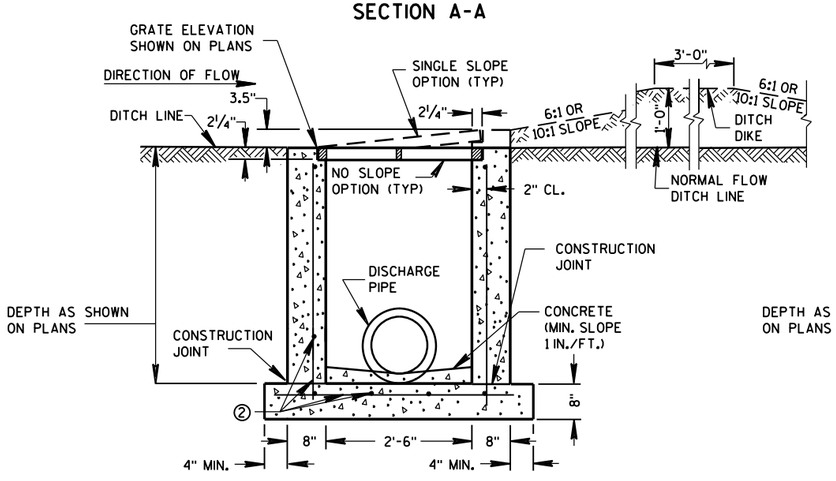
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

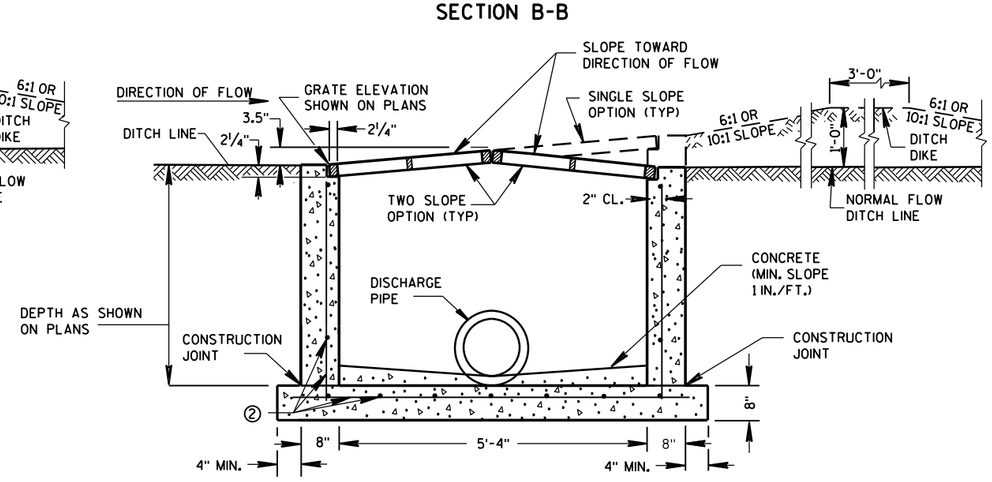


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

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

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

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

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

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

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

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

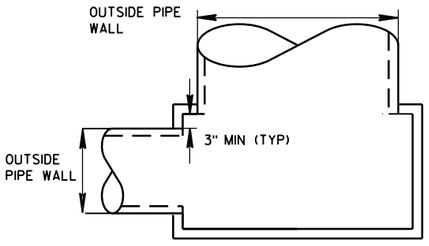
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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

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

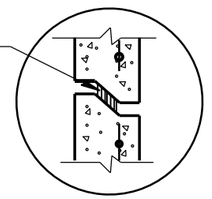
PIPE MATRIX

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



DETAIL "A"

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



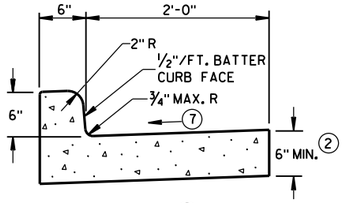
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

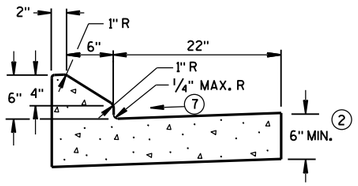
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FHWA

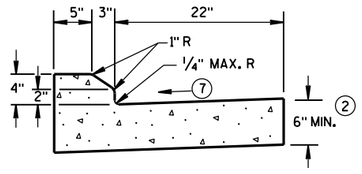
6
S.D.D. 8 C 8-2



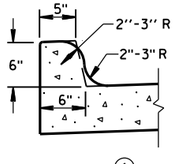
TYPES A (1) & D



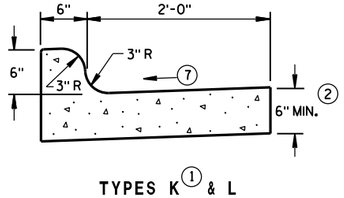
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

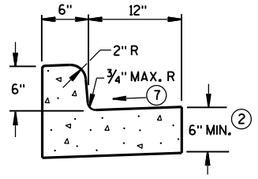


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



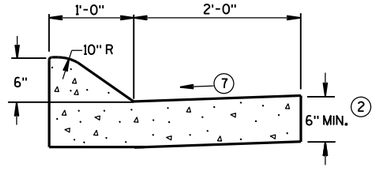
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

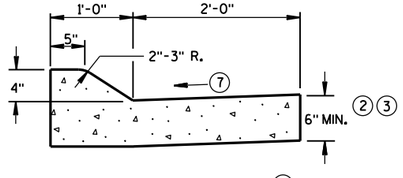


TYPES A (1) & D

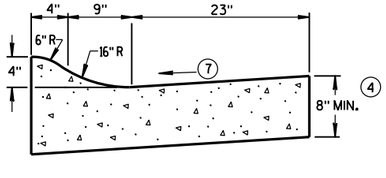
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

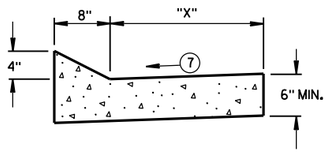


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

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

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.

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, R AND TBTT.

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

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

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

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

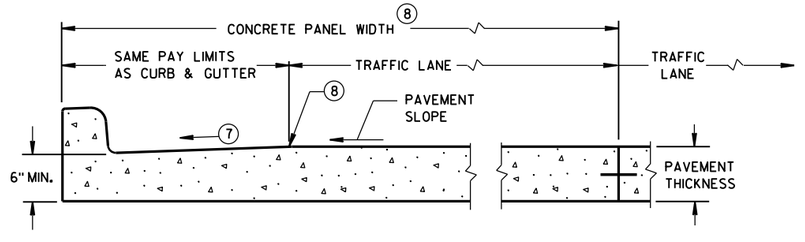
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

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

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

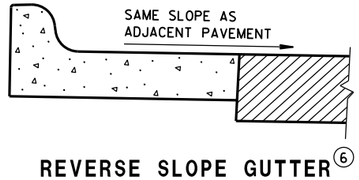
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.

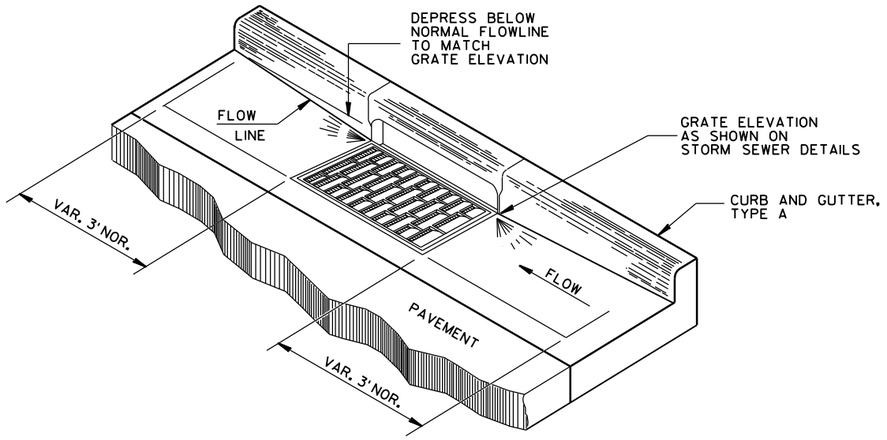


REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

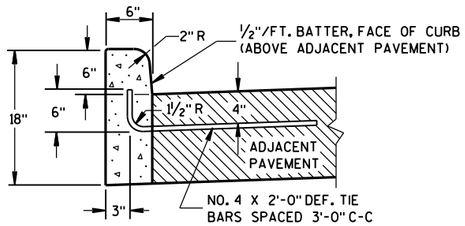
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

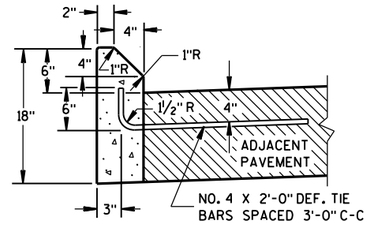
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

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

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

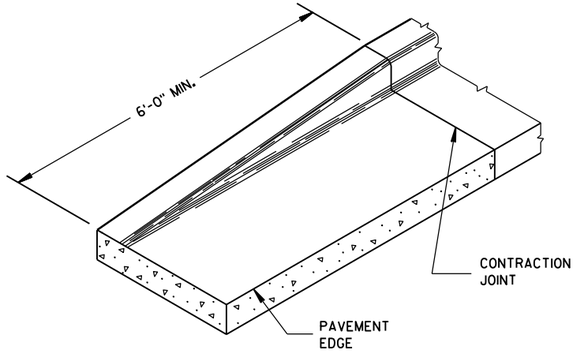


TYPES A(1) & D

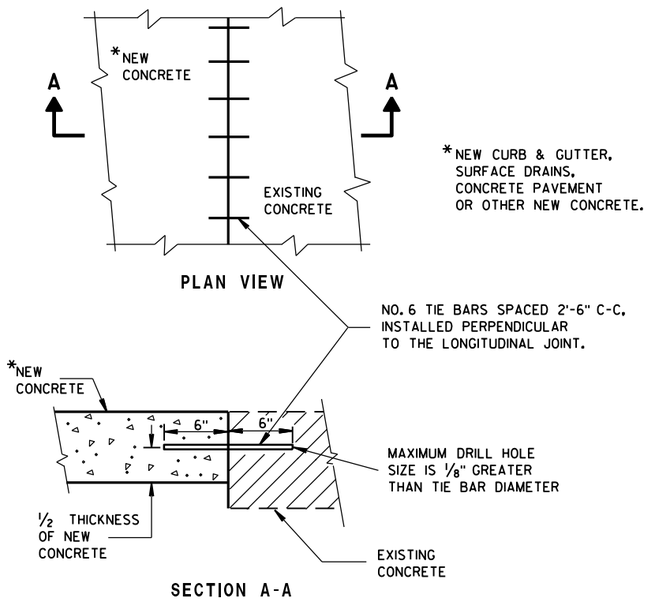


TYPES G(1) & J

CONCRETE CURB



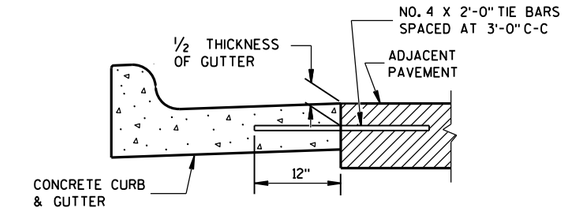
END SECTION CURB & GUTTER



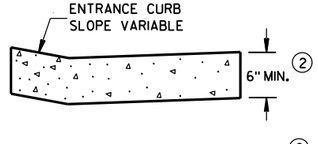
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 342 ENT
UNIT SUPERVISOR
FHWA

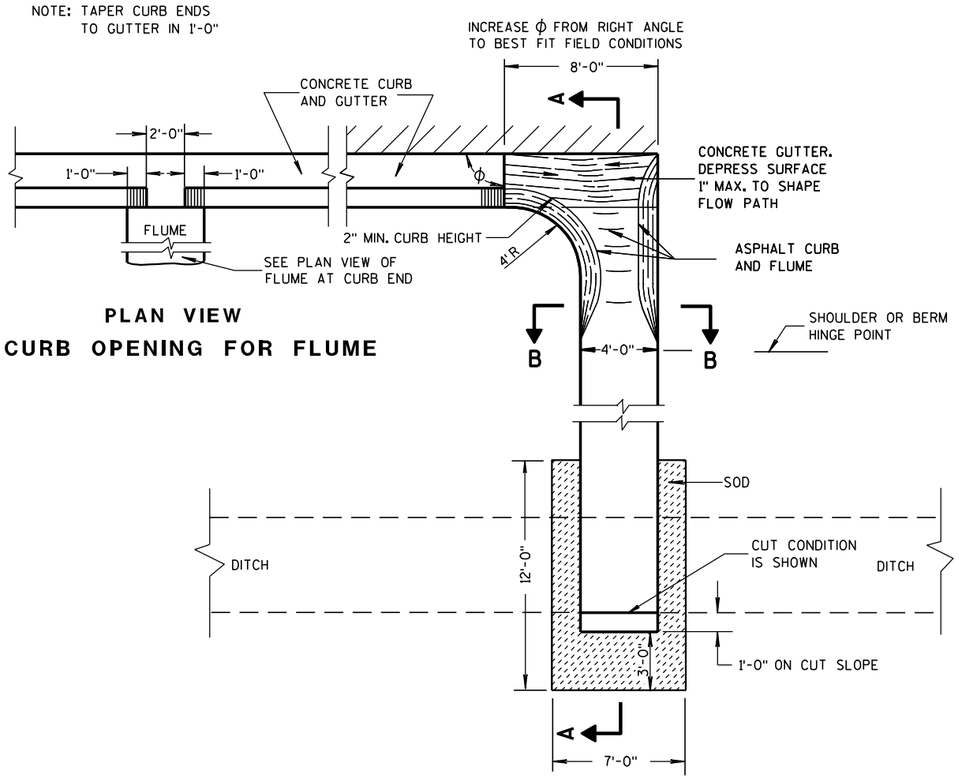
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S.D.D. 8 D 1-20b

6

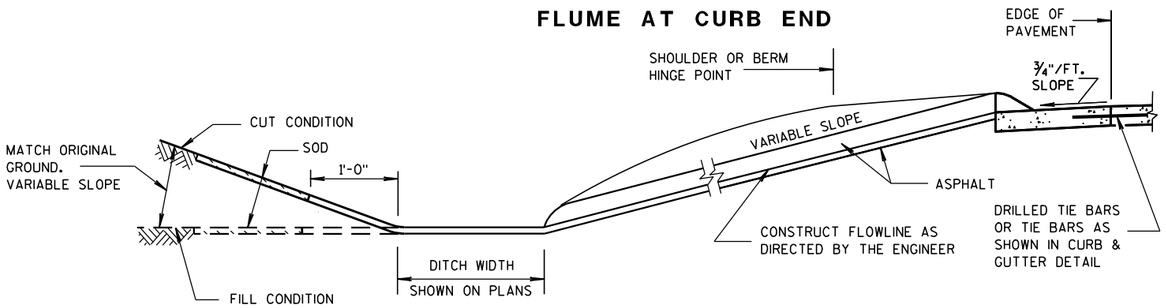
S.D.D. 8 D 1-20b

ASPHALTIC FLUME

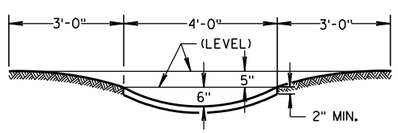


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

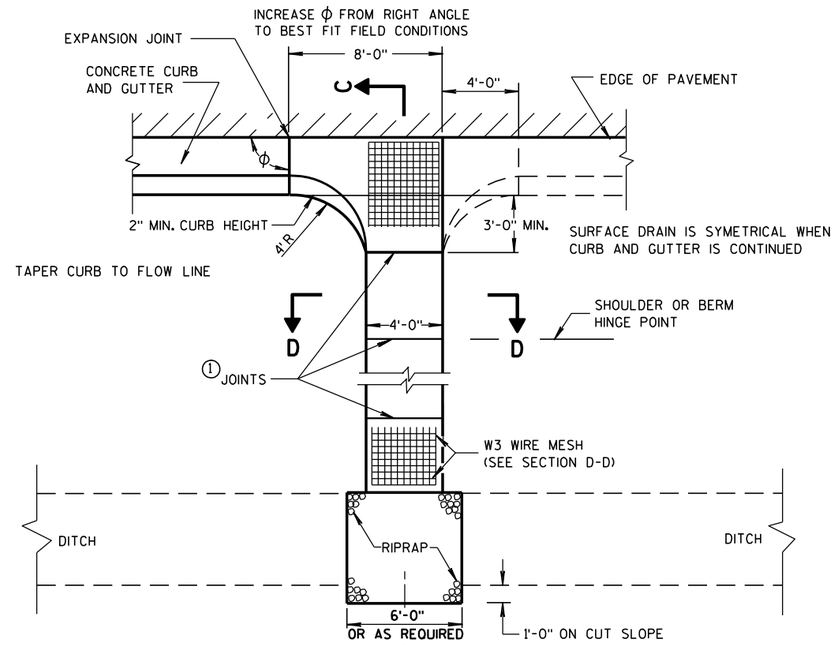
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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

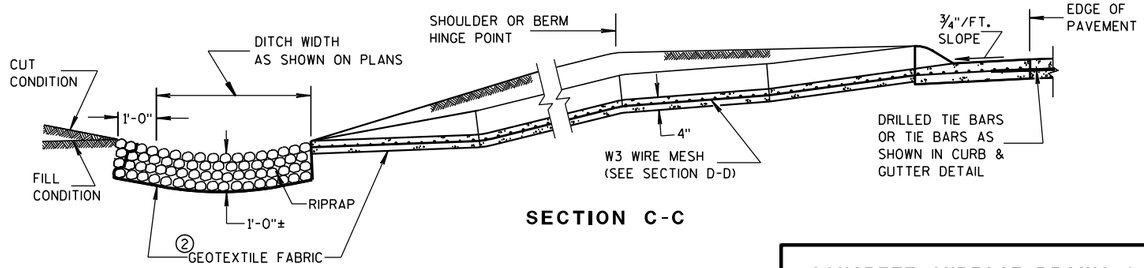
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

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

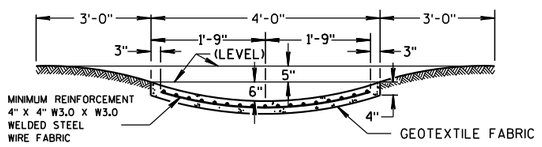
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

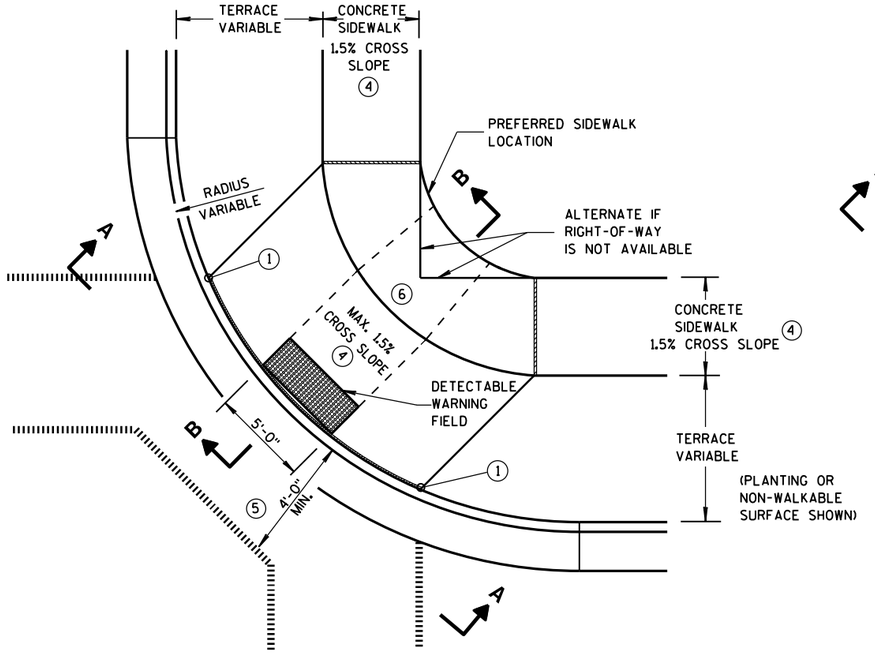
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

6

S.D.D. 8 D 4-5

6

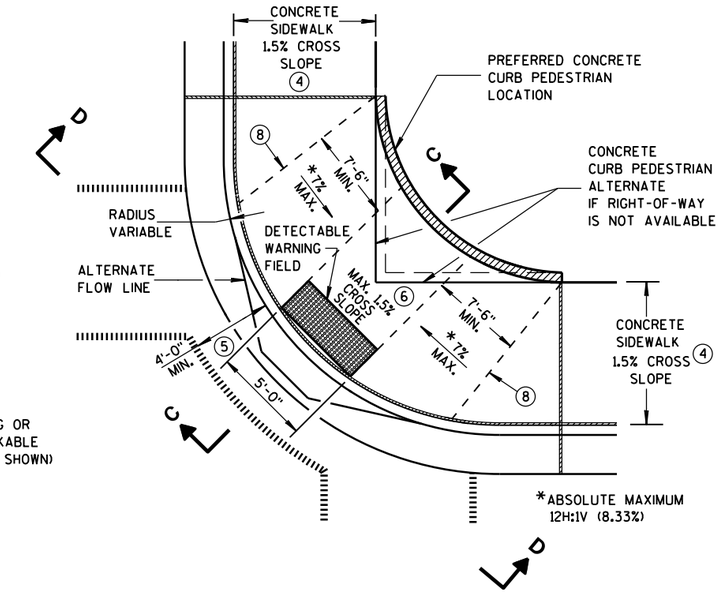
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

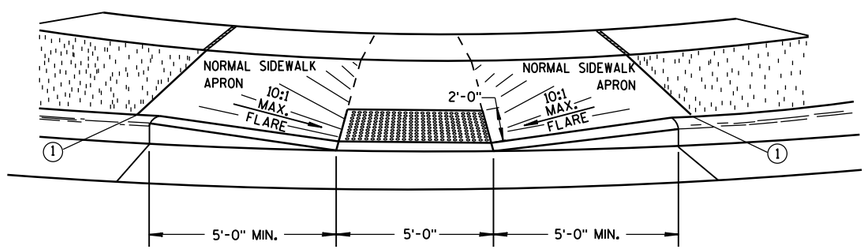
(CENTER OF CORNER RADIUS)



PLAN VIEW

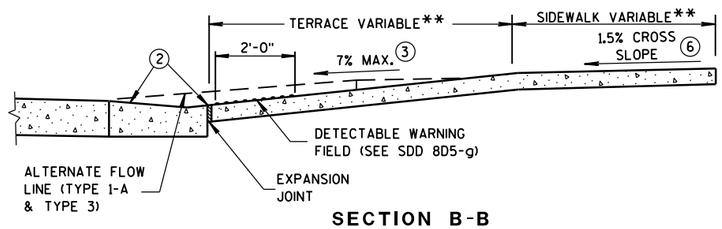
TYPE 1-A RAMP

(NO TERRACE)

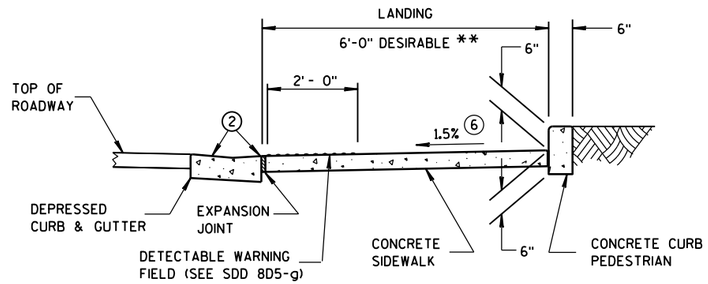


VIEW A-A

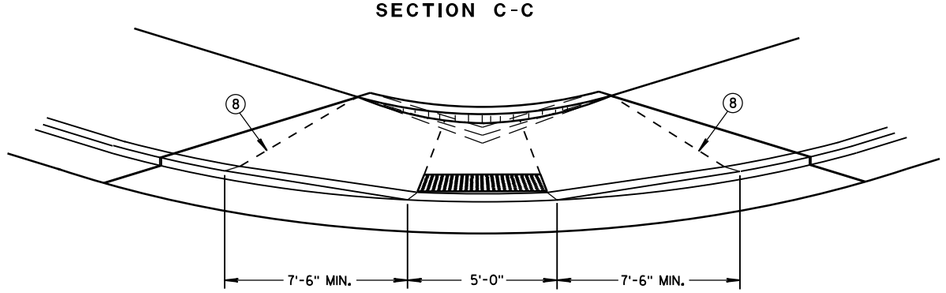
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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

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

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

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

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

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

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

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

LEGEND

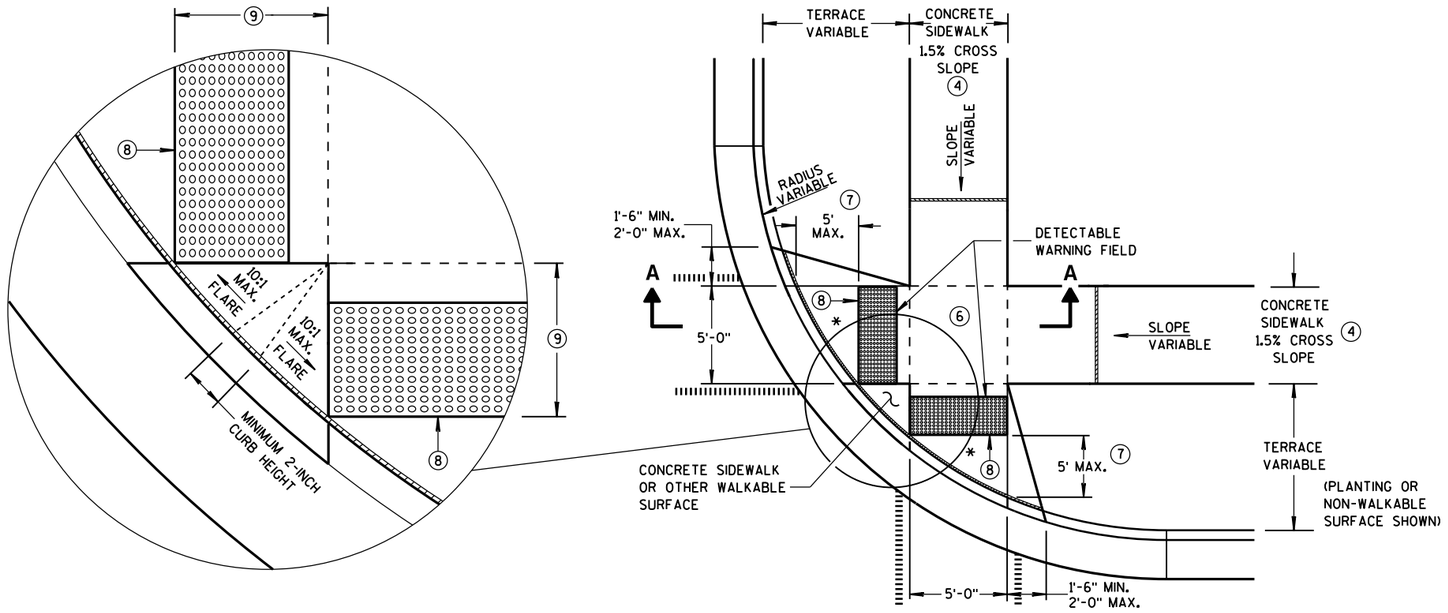
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

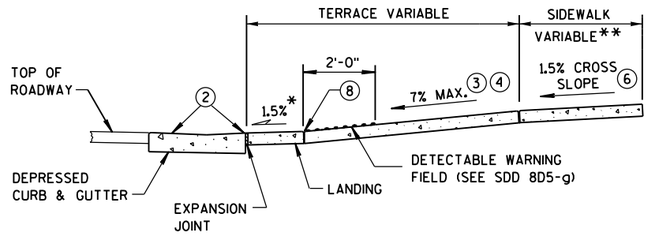
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S.D.D. 8 D 5-19a



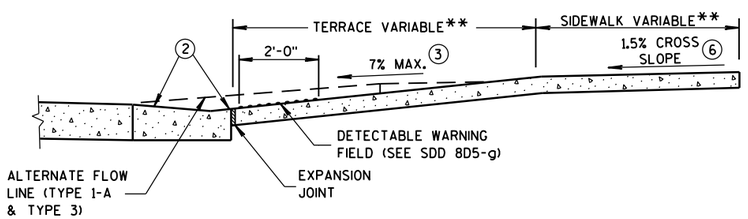
PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)

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

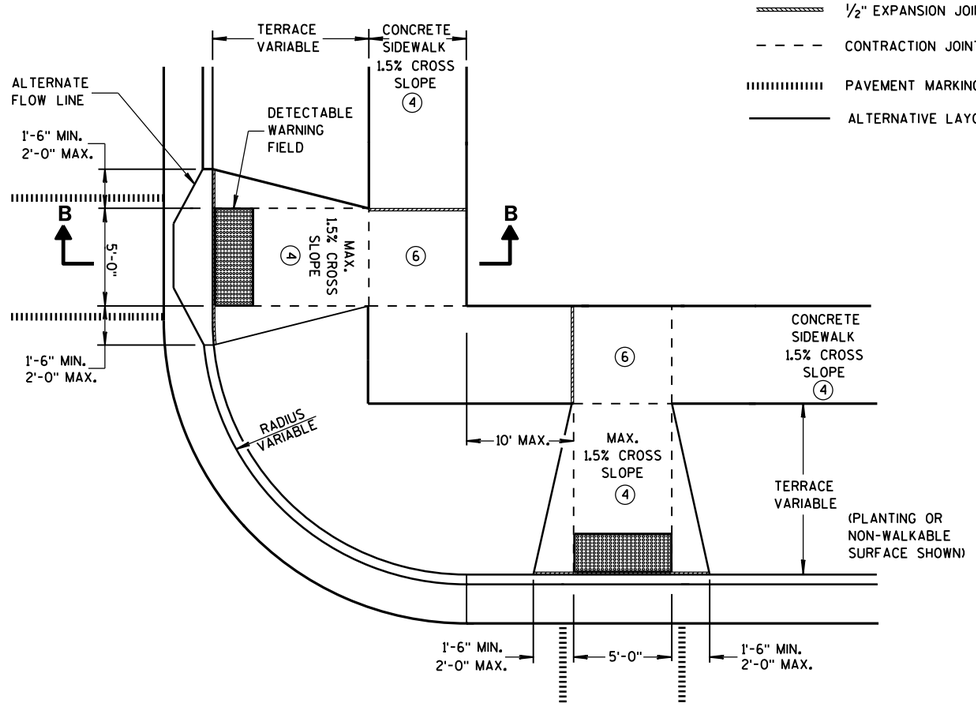


SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

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

LEGEND

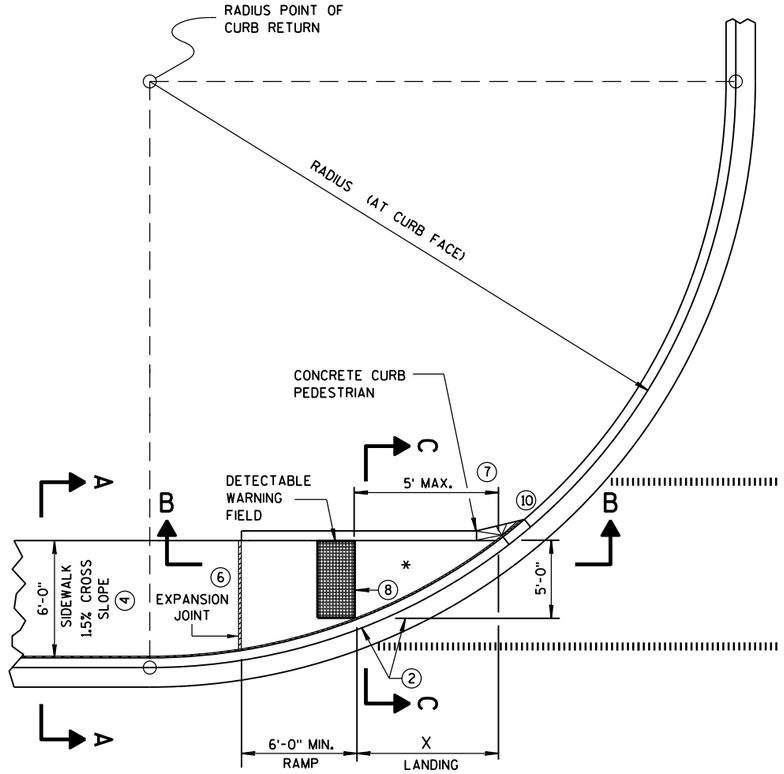
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

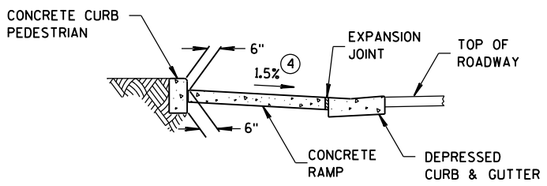
S.D.D. 8 D 5-19b



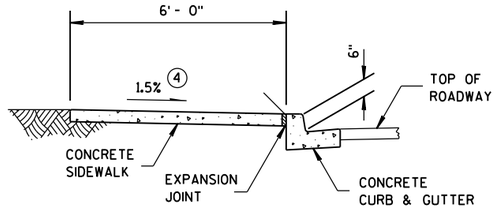
CURB RAMP TYPE 4A
PLAN VIEW

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

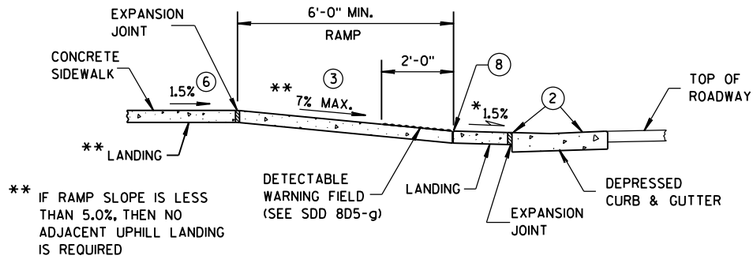
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION C-C FOR TYPE 4A



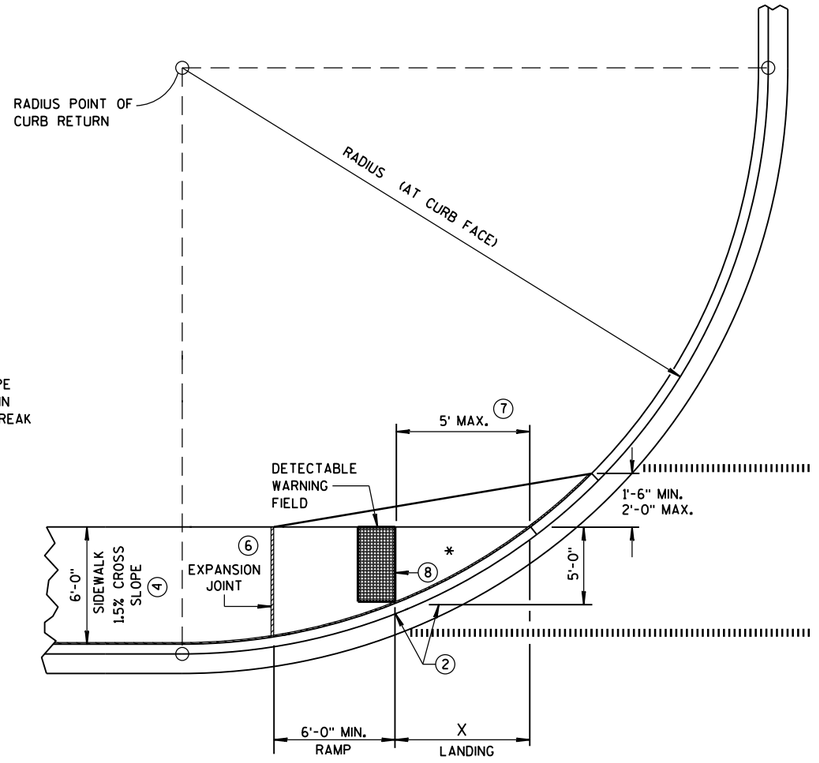
SECTION A-A FOR TYPE 4A



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

SECTION B-B FOR TYPE 4A

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



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

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

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

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

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

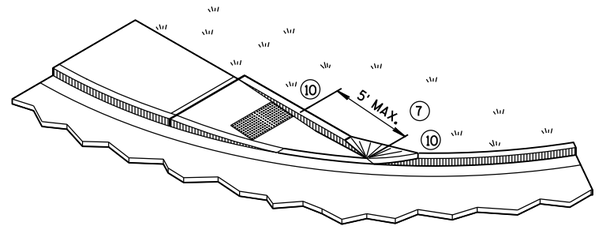
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

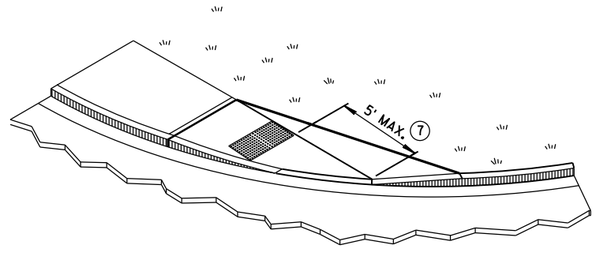
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

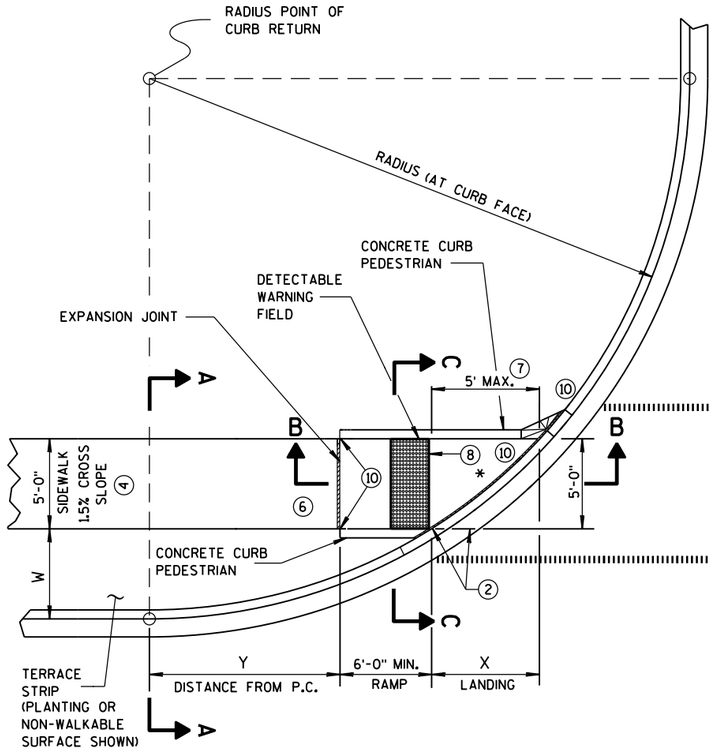
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

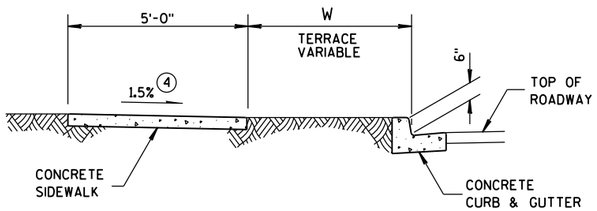
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

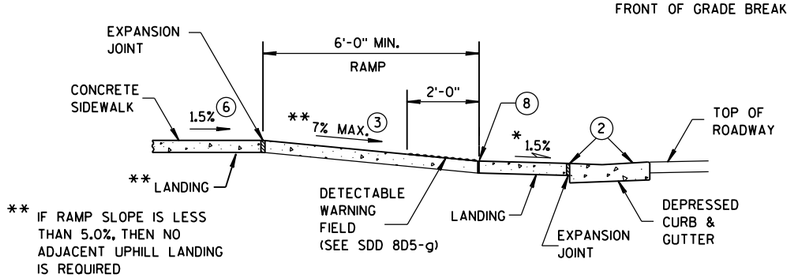
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



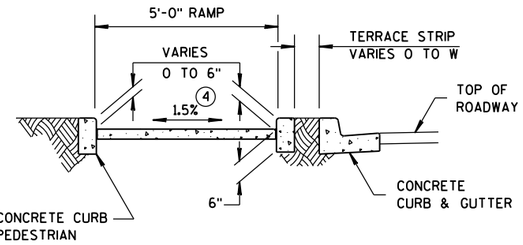
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

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

SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

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



SECTION C-C FOR TYPE 4B

GENERAL NOTES

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

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

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

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

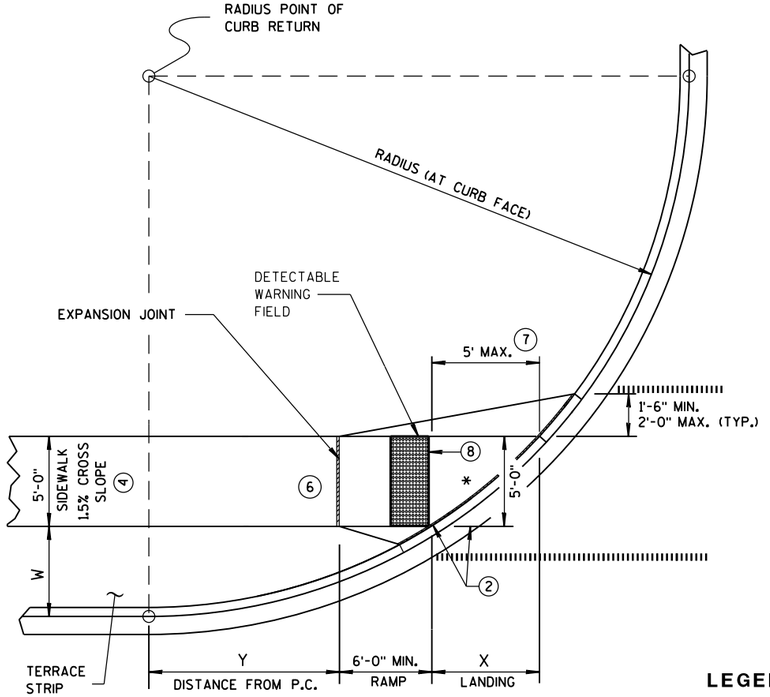
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

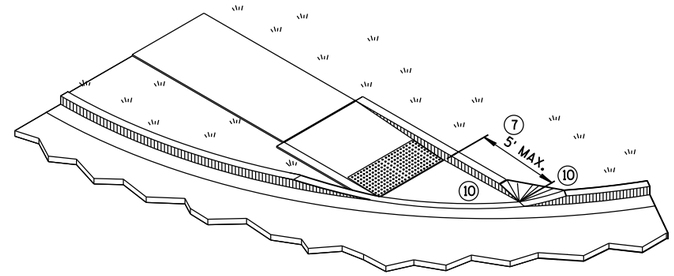
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

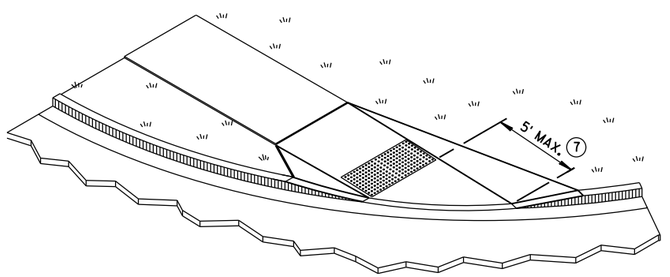
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

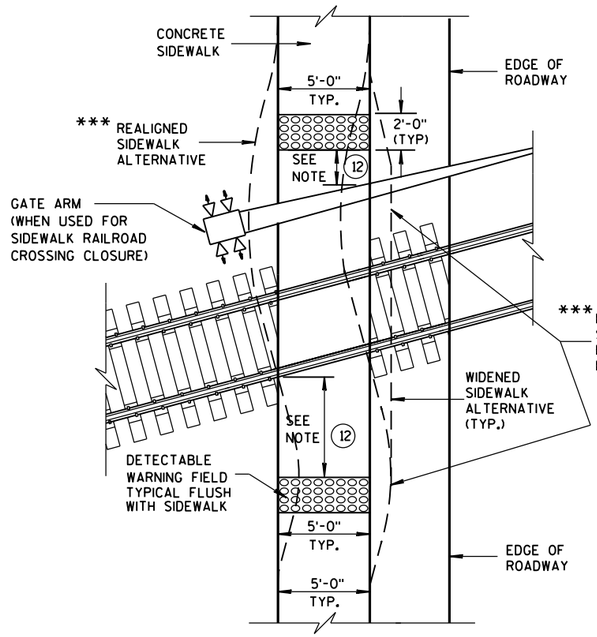
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

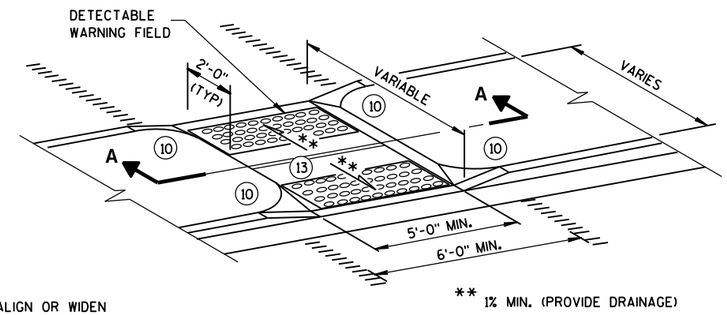
6

S.D.D. 8 D 5-19d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

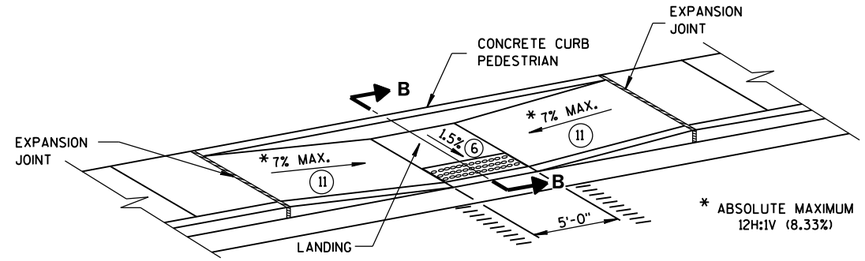
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

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

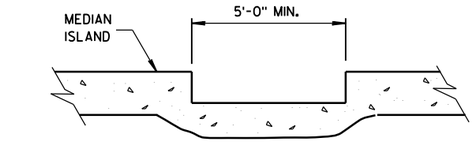
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

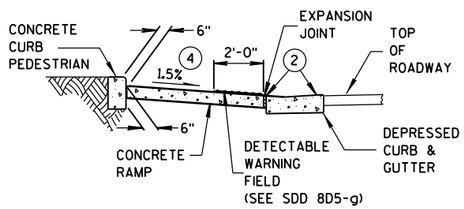
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

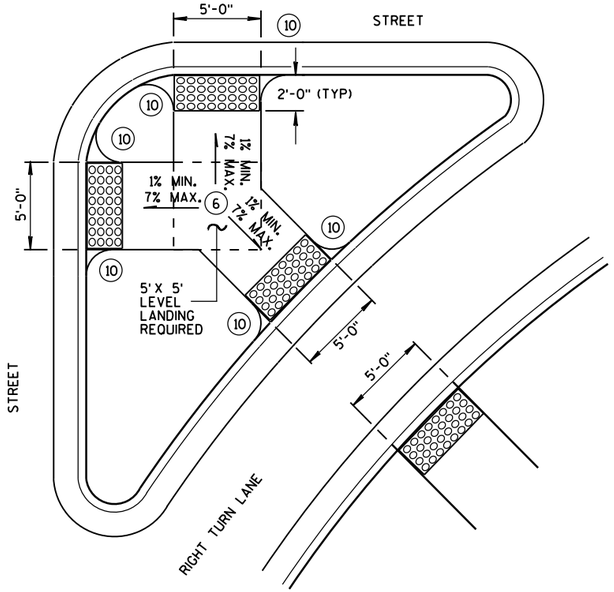


SECTION A-A

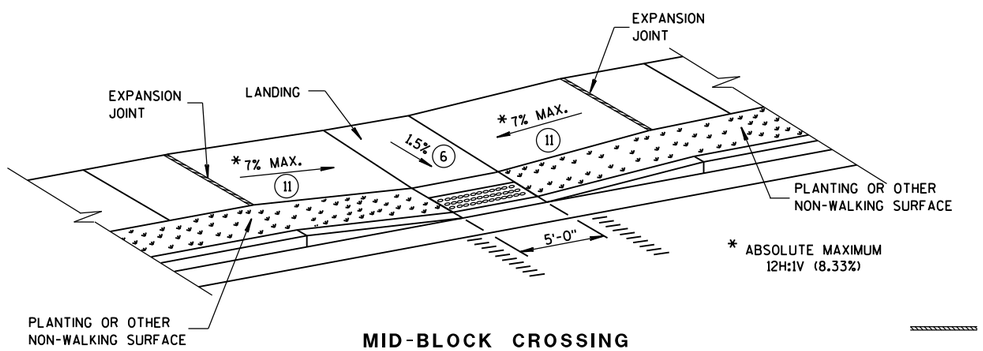


SECTION B-B

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



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

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

LEGEND

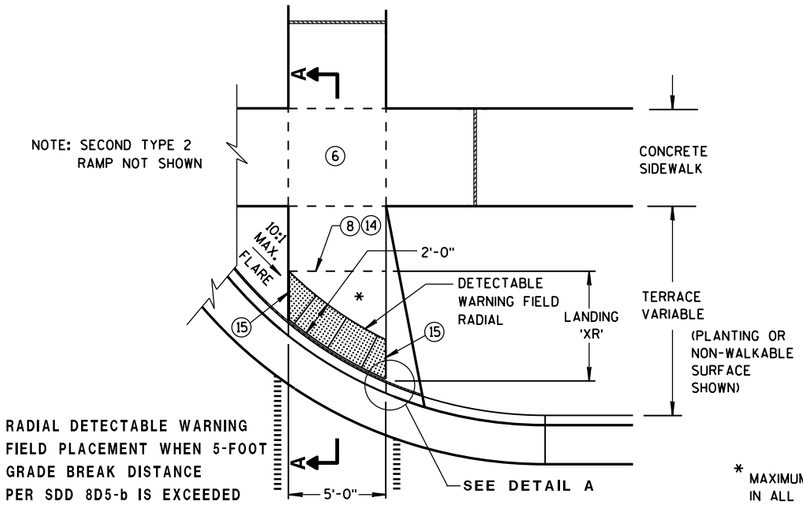
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-19e

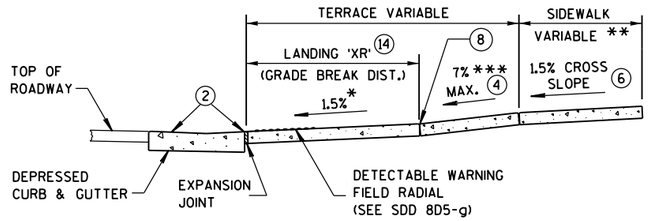


TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)

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

LEGEND

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



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

GENERAL NOTES

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

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

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

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

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

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

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

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

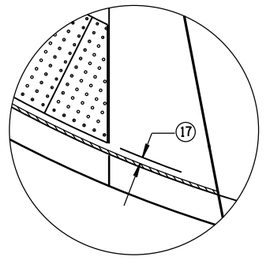
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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

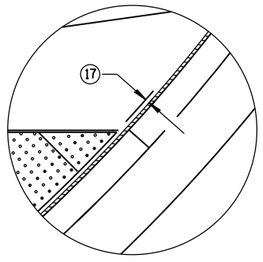
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

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

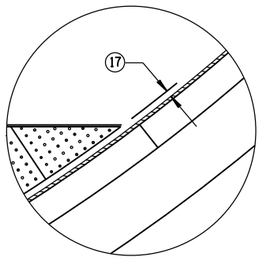
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



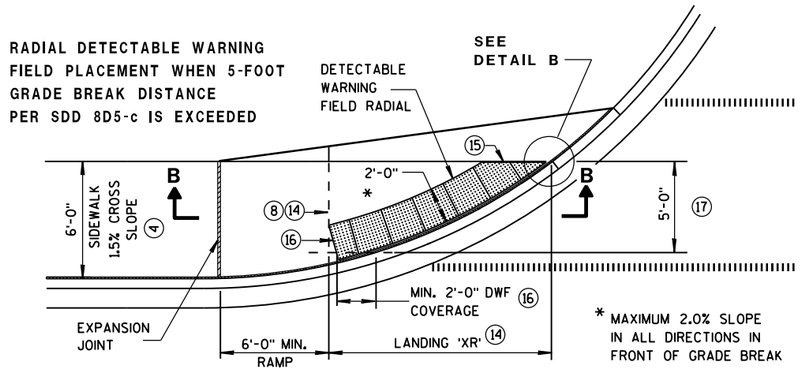
DETAIL A



DETAIL C

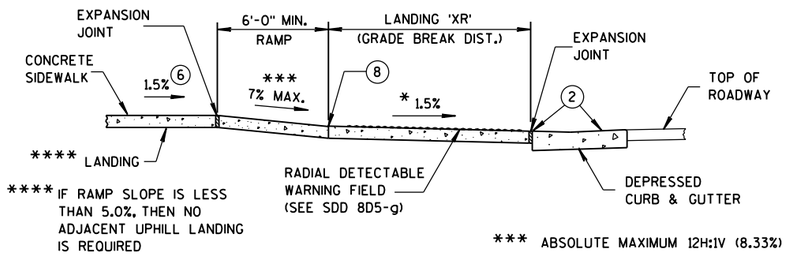


DETAIL B



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

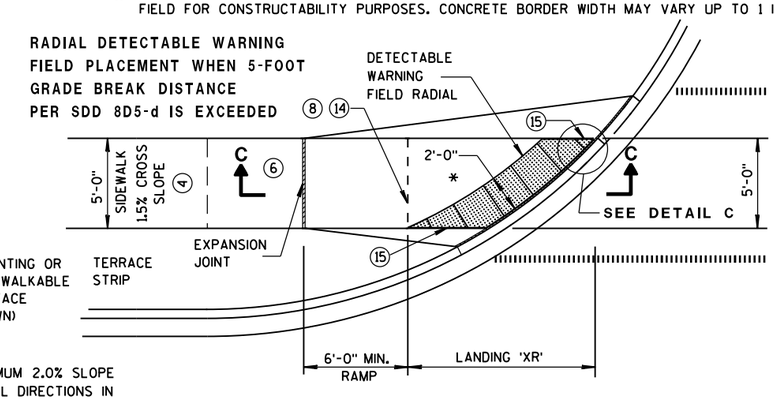
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

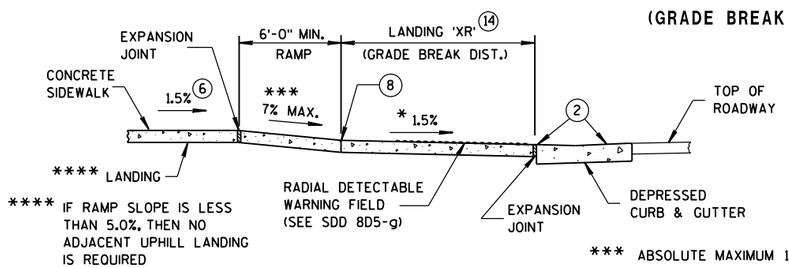
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



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

CURB RAMP TYPE 4B1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

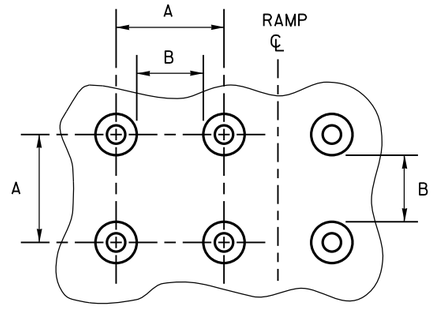
CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

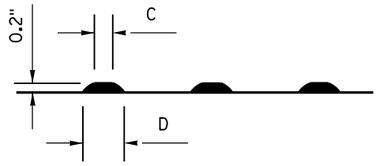
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S.D.D. 8 D 5-19f

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

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



PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES

DETECTABLE WARNING PATTERN DETAIL

GENERAL NOTES

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

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

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

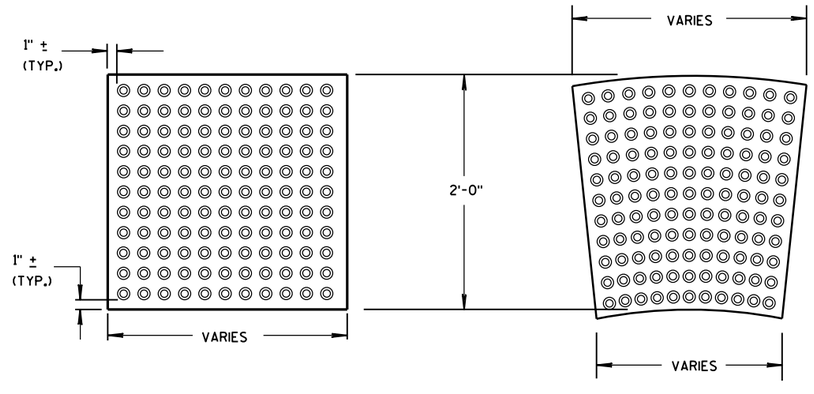
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

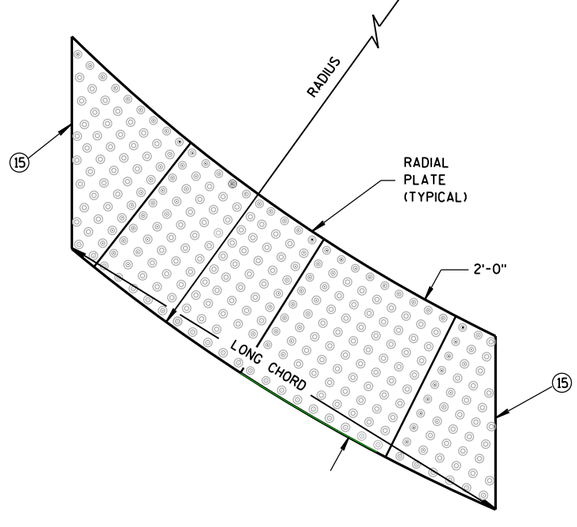


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
FHWA

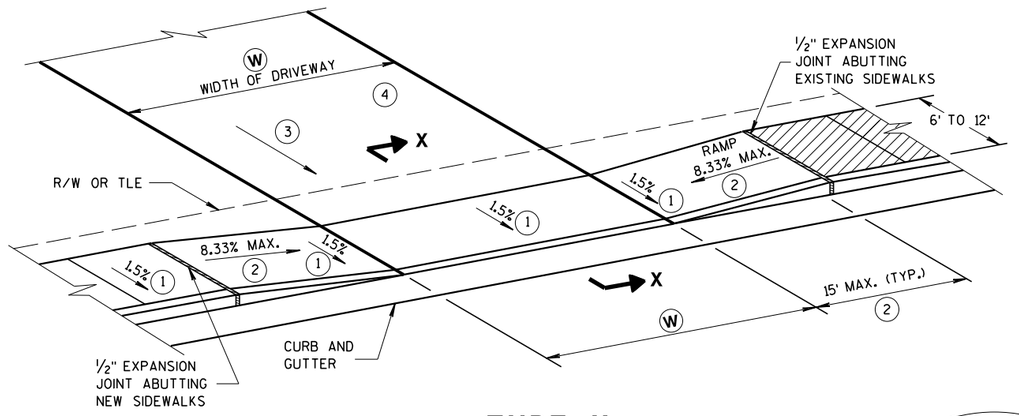
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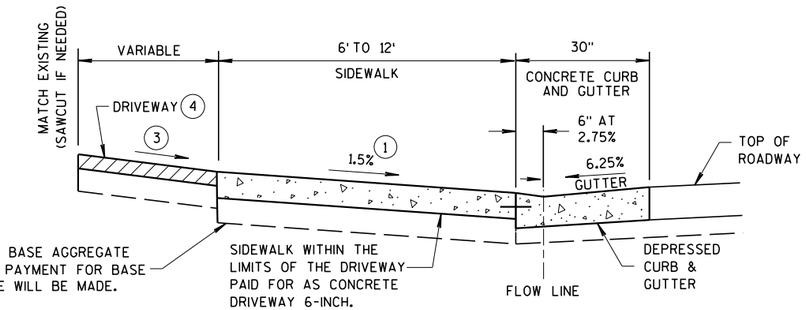
S.D.D. 8 D 5-19g

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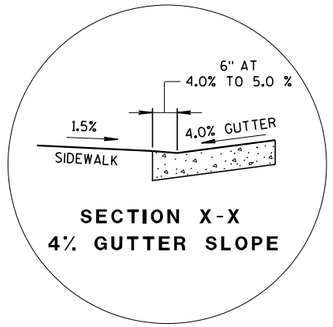
S.D.D. 8 D 5-19g



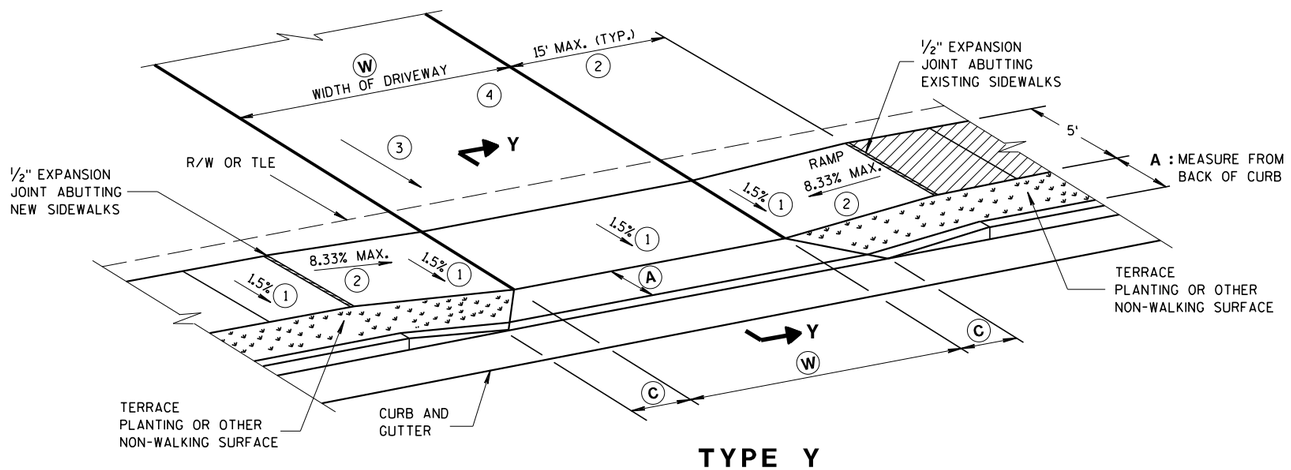
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

W: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

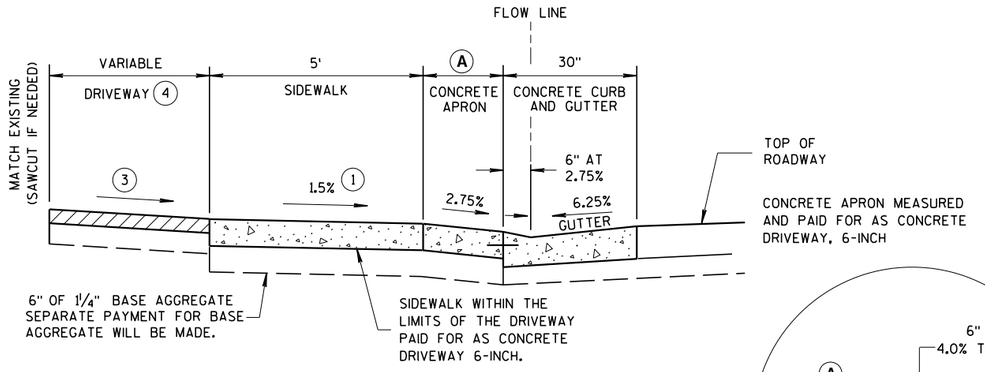
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

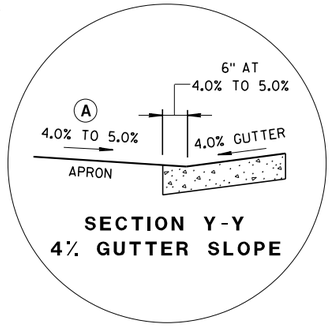
(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)



SECTION Y-Y
4% GUTTER SLOPE

TABLE Y

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

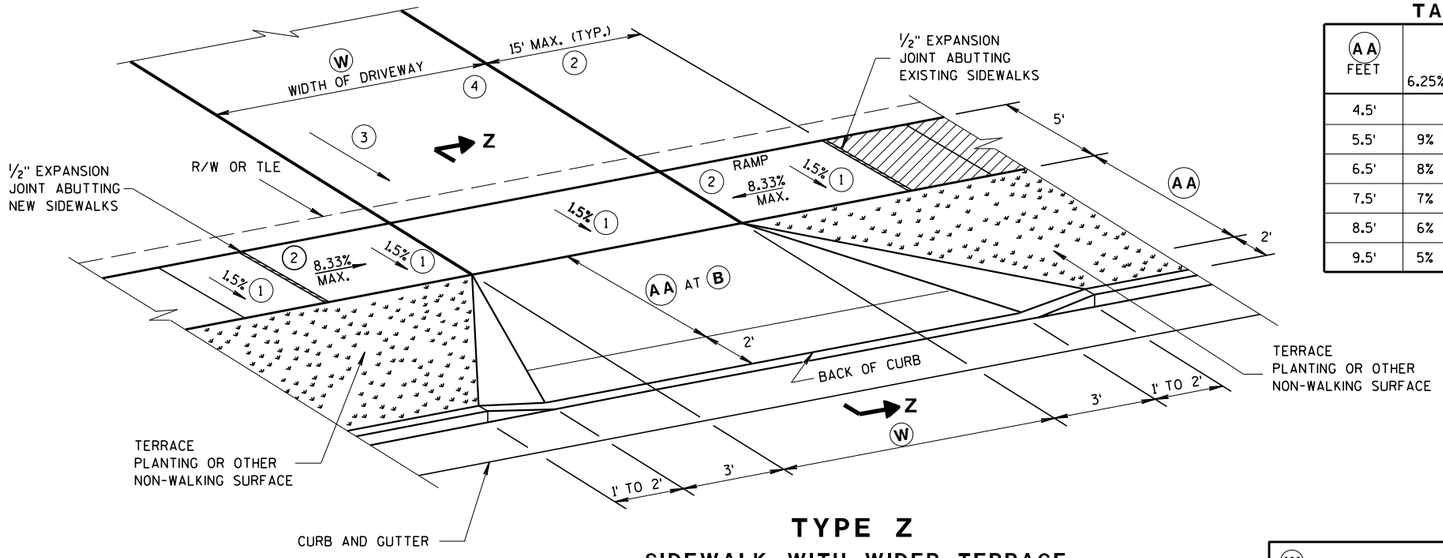
NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
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S.D.D. 8 D 18-2



TYPE Z

SIDEWALK WITH WIDER TERRACE

TERRACE VARIES 7 TO 12 FEET

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

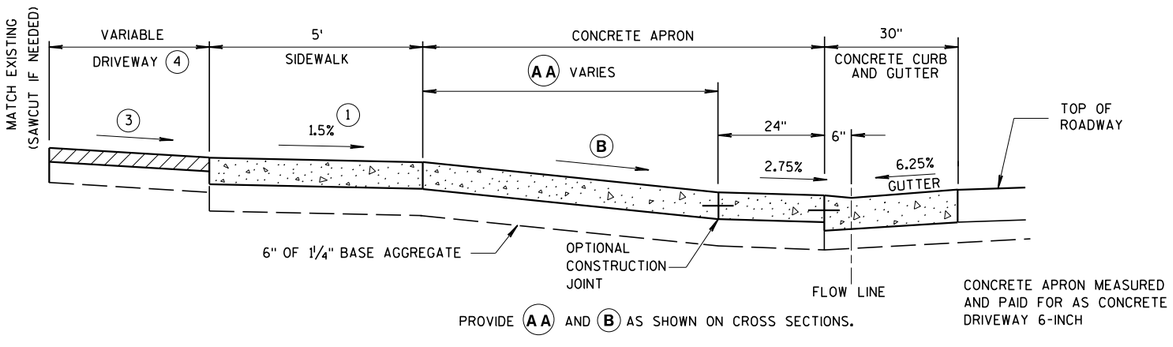
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

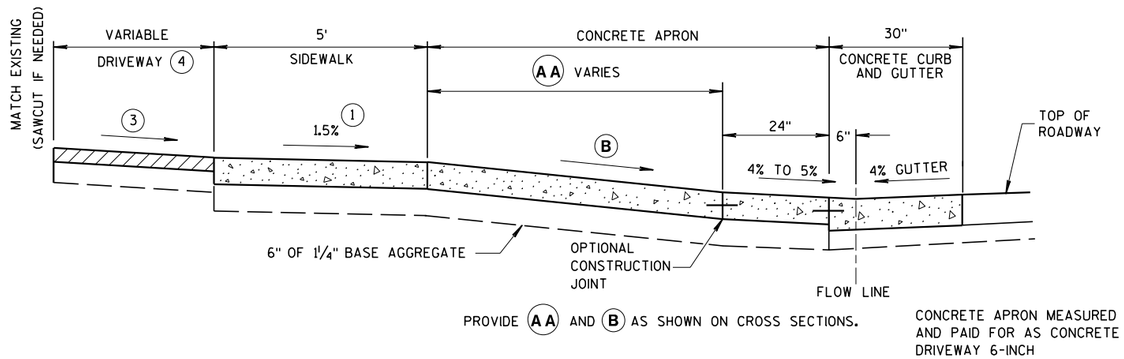
(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



6.25% GUTTER SLOPE



4% GUTTER SLOPE

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR **B** VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

SECTION Z-Z

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

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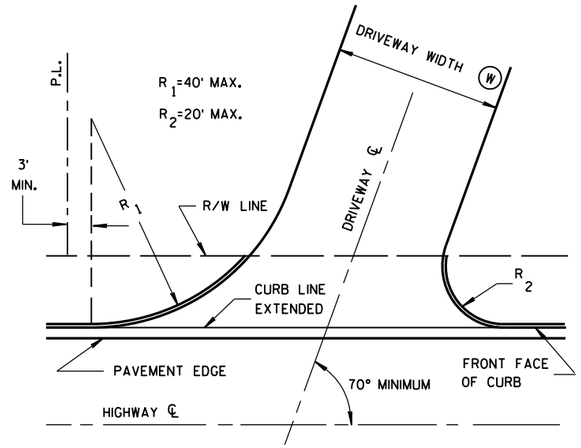
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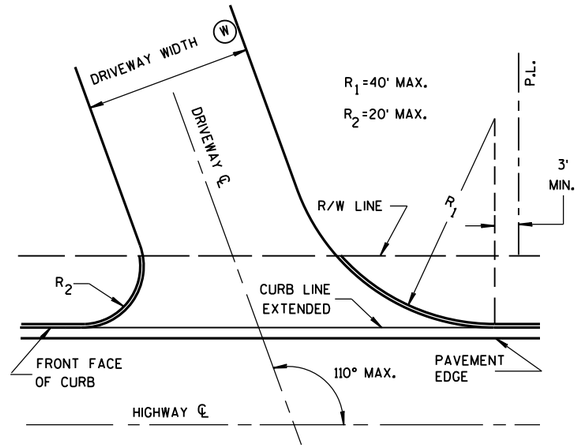
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S.D.D. 8 D 19-2

6

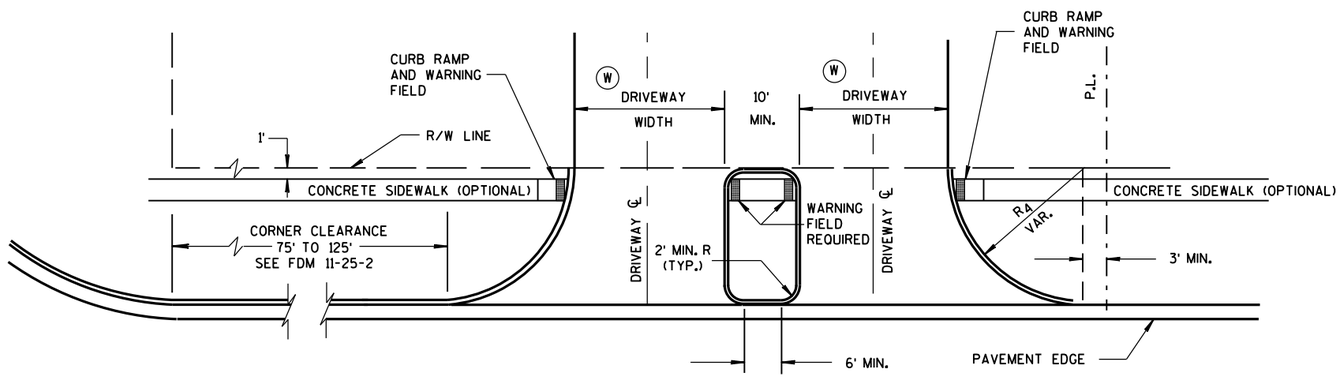
S.D.D. 8 D 19-2





SKEWED DRIVEWAY DETAILS
(COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

NOTES

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

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

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

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

Ⓦ DRIVEWAY WIDTHS:

COMMERCIAL - 35' MAX., 16' MIN.

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

DRIVEWAYS WITH CURB & GUTTER RETURNS

STATE OF WISCONSIN
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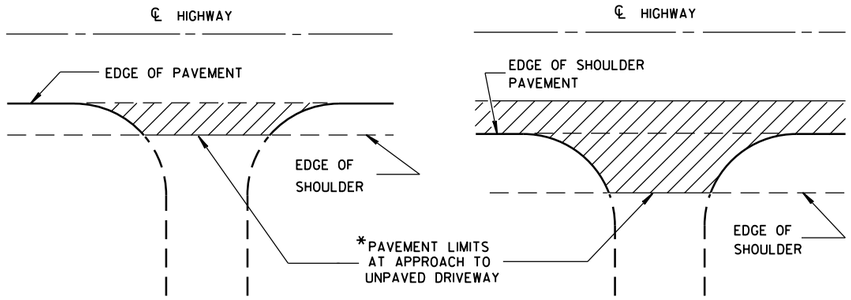
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S.D.D. 8 D 20-1

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S.D.D. 8 D 20-1

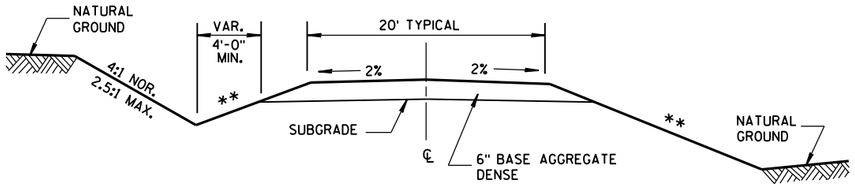


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

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

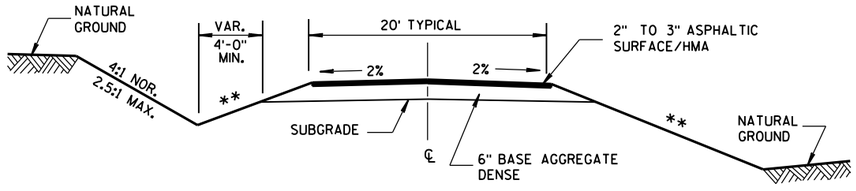


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

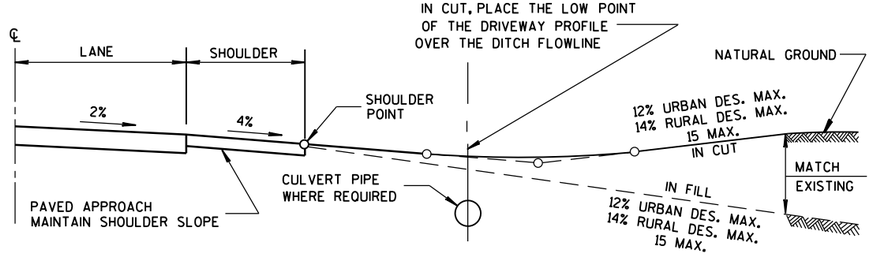
** SLOPE CAN VARY WITH SPEED. SEE 11-45-2.6.2.

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



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE



TYPICAL DRIVEWAY PROFILES

DRIVEWAYS WITHOUT CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

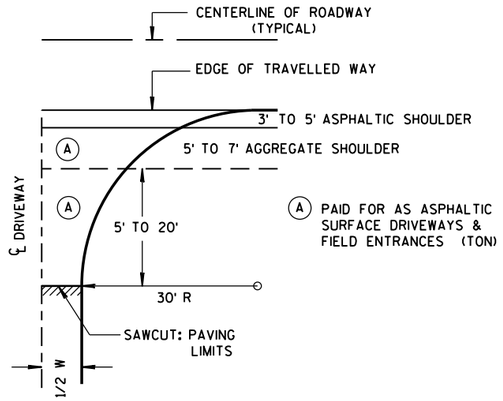
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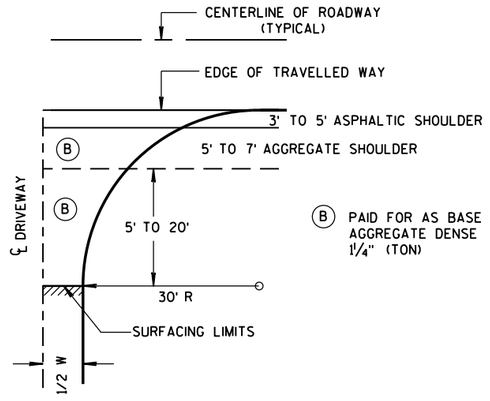
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S.D.D. 8 D 21-1



W MIN. = 16'
W MAX. = 24'

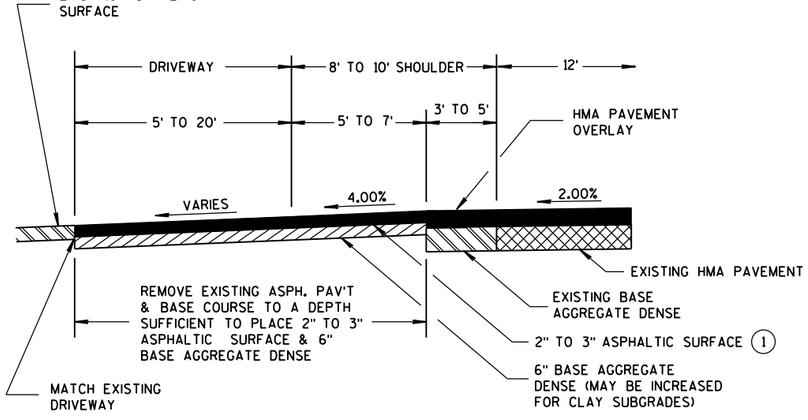
PLAN VIEW
HALF SECTION



PLAN VIEW
HALF SECTION

GENERAL NOTES

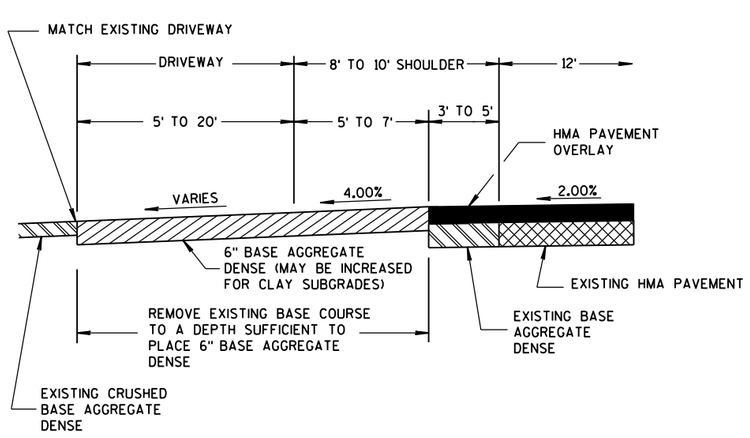
(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.



PROFILE VIEW

RURAL ENTRANCE WITH ASPHALTIC SURFACE

RESURFACING PROJECTS



PROFILE VIEW

RURAL ENTRANCE WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE
RESURFACING PROJECTS

DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

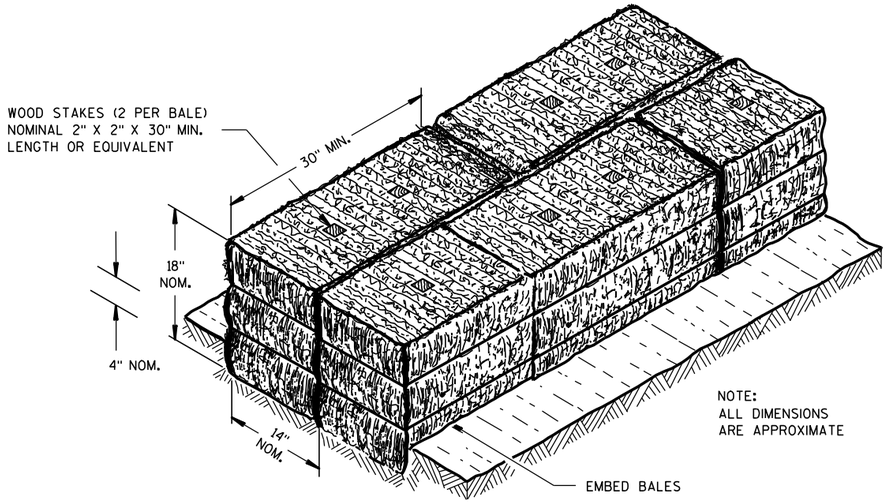
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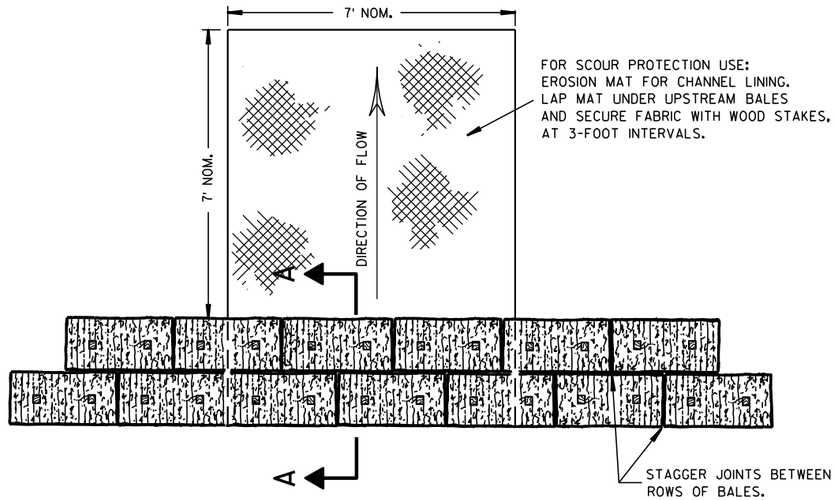
S.D.D. 8 D 22-1

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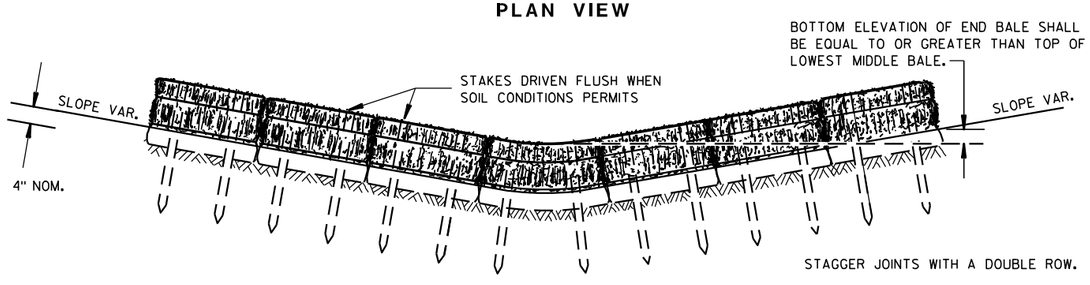
S.D.D. 8 D 22-1



SECTION A-A



PLAN VIEW



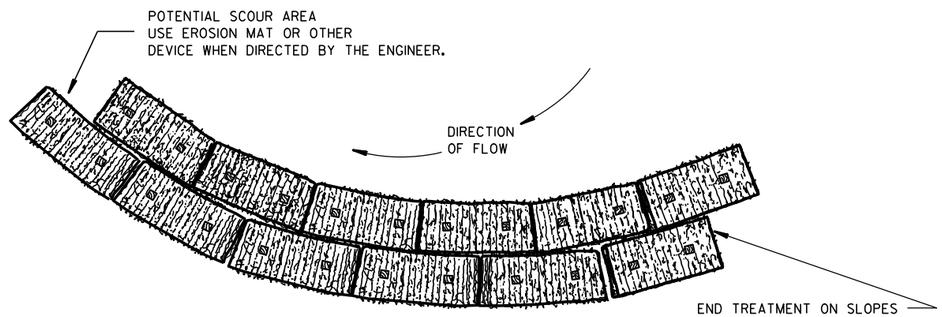
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

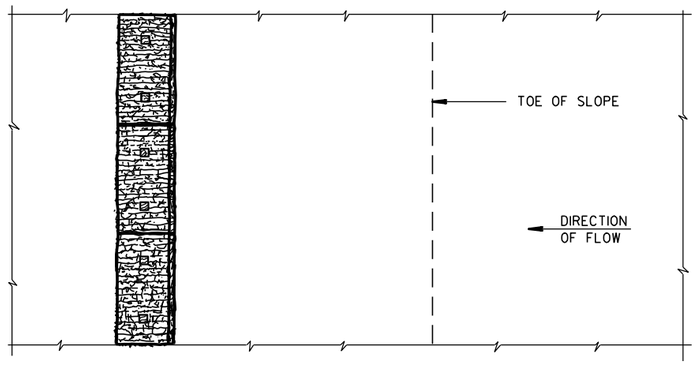
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

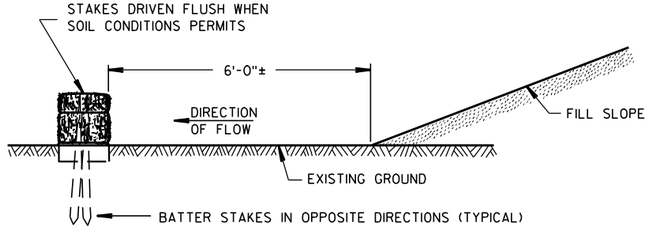


PLAN VIEW

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

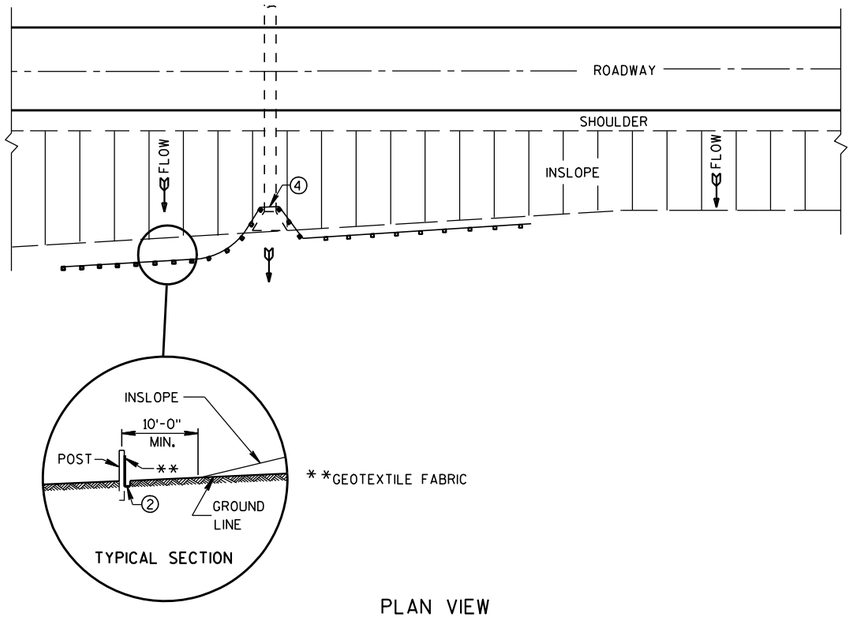
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

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

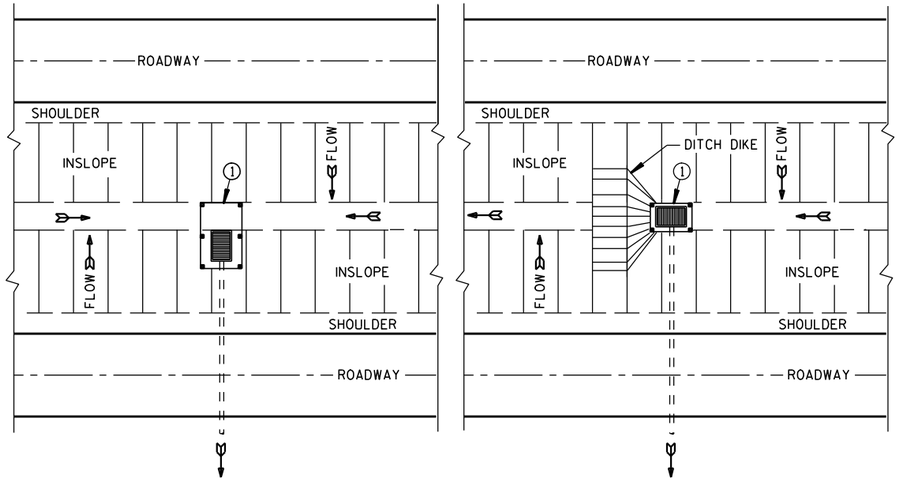
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

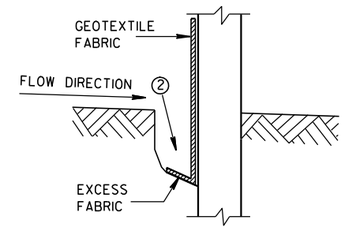
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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

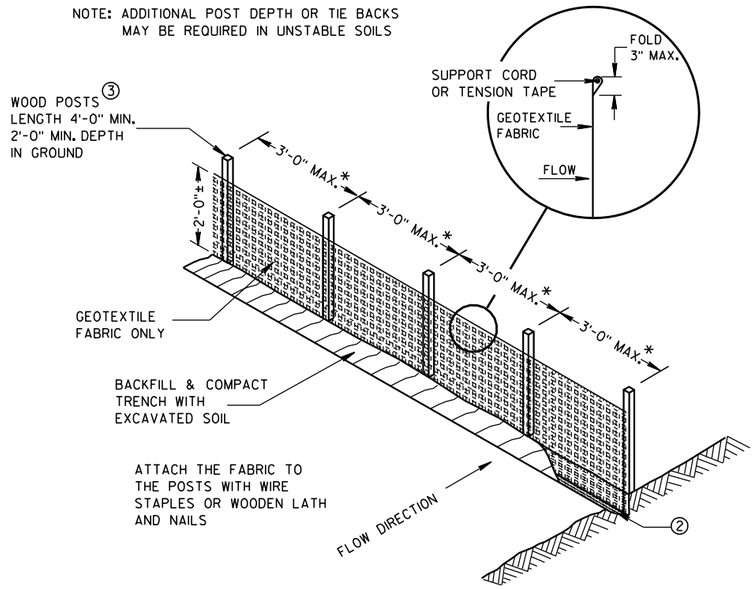
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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

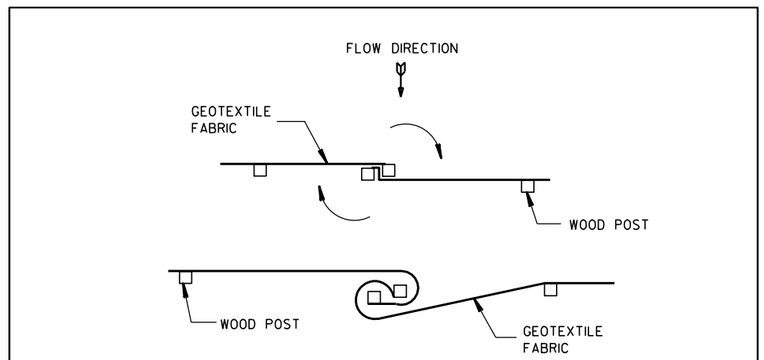
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



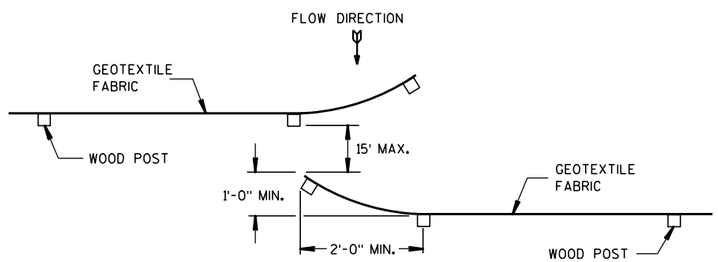
TRENCH DETAIL



SILT FENCE

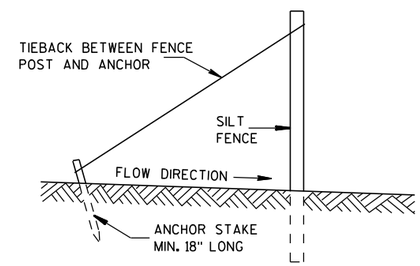


TWIST METHOD



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

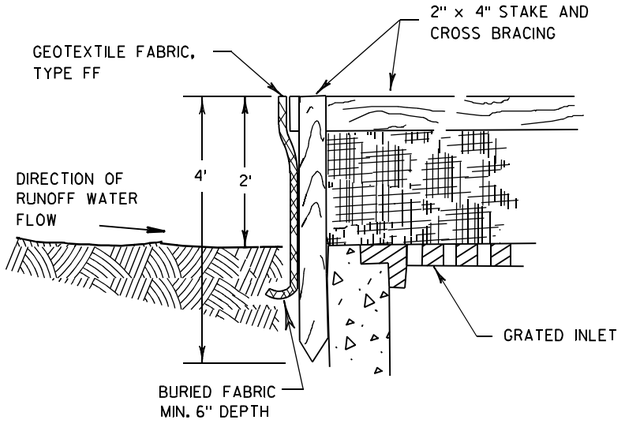
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

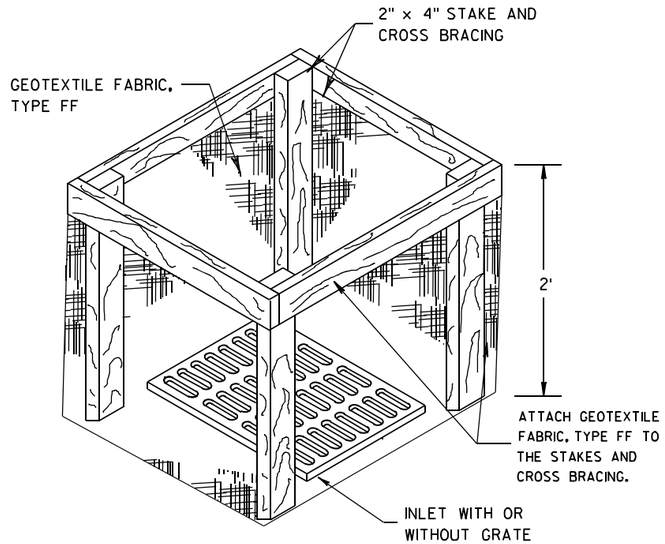
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S.D.D. 8 E 9-6

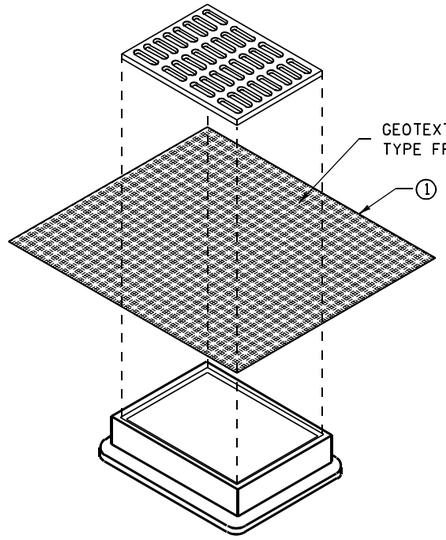
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S.D.D. 8 E 9-6



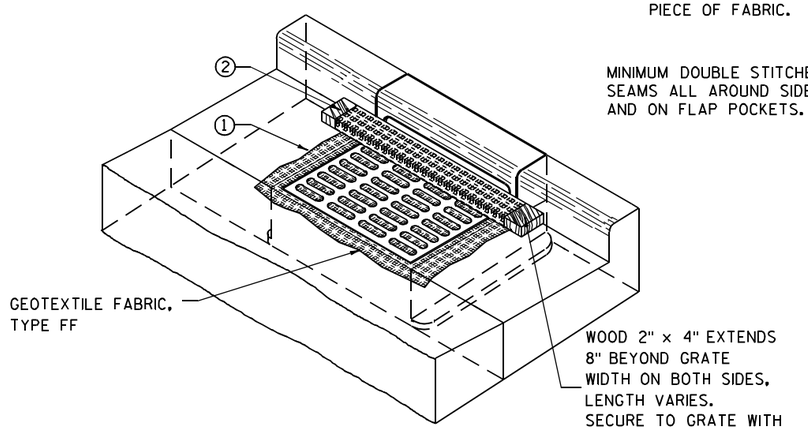


INLET PROTECTION, TYPE A

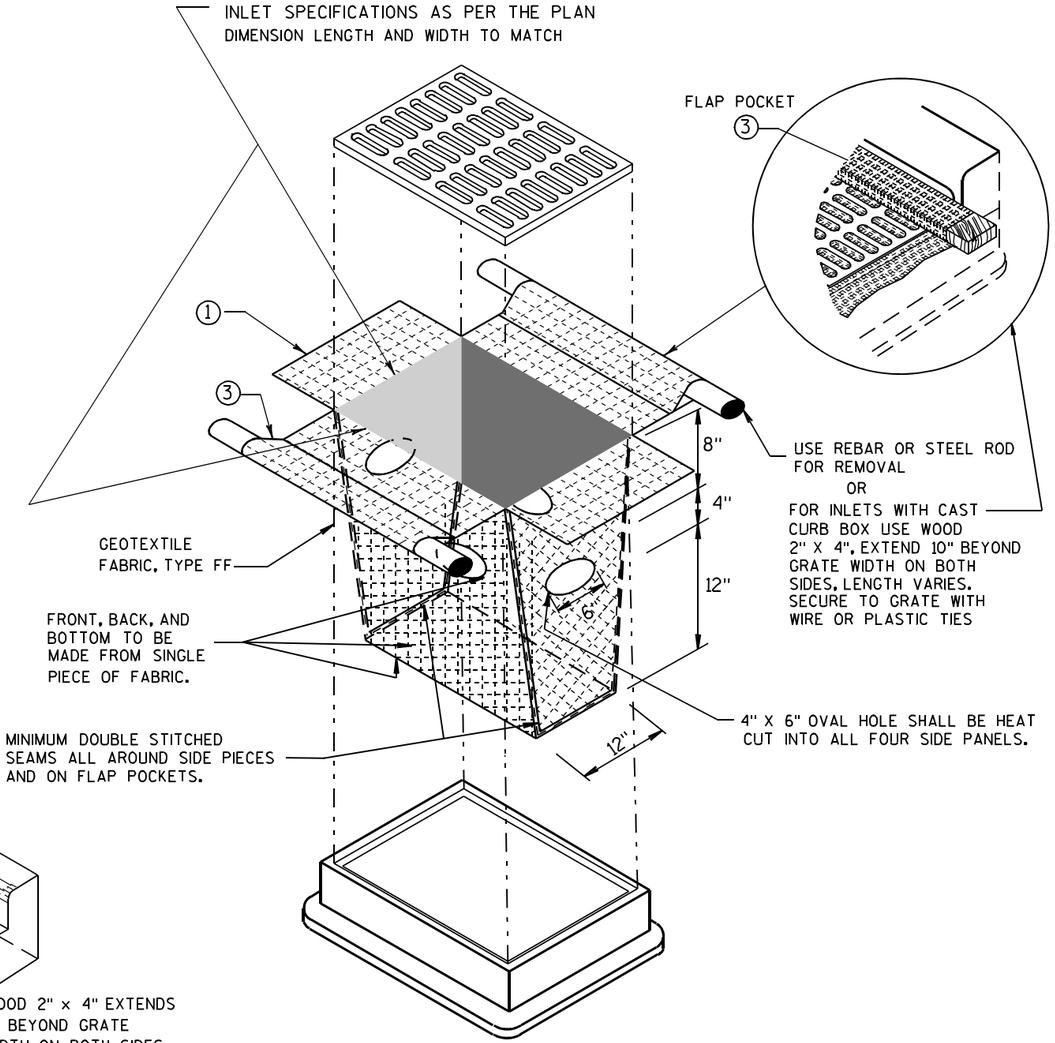


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

METAL APRON ENDWALLS

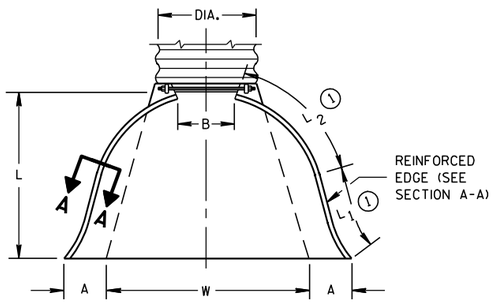
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4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

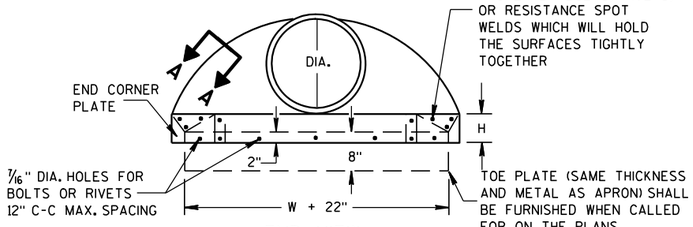
REINFORCED CONCRETE APRON ENDWALLS

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

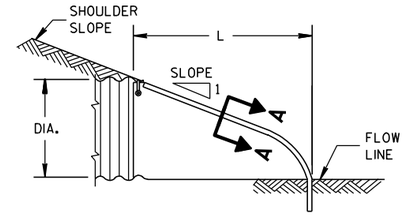
*MINIMUM
**MAXIMUM



PLAN VIEW

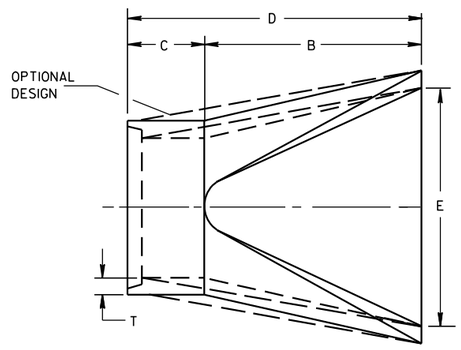


END VIEW

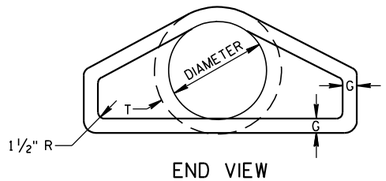


SIDE ELEVATION

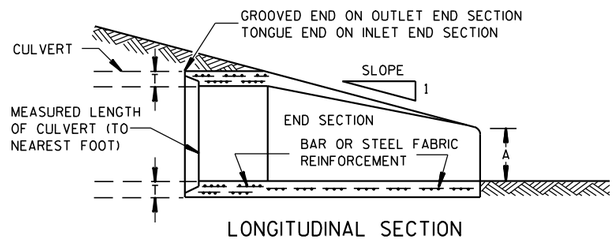
METAL ENDWALLS



PLAN

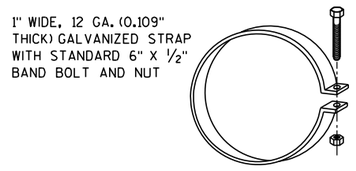


END VIEW



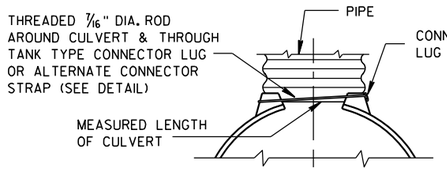
LONGITUDINAL SECTION

CONCRETE ENDWALLS

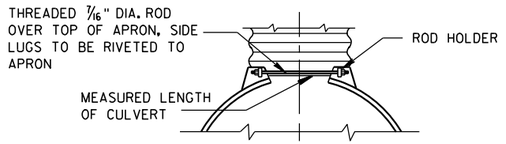


ALTERNATE FOR TYPE 1 CONNECTION

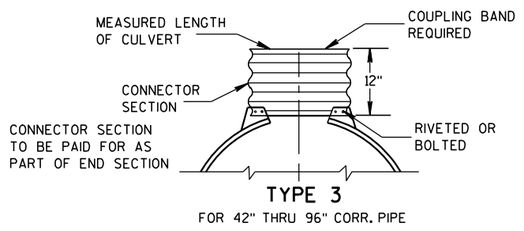
END SECTION CONNECTOR STRAP



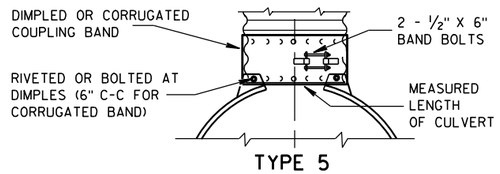
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

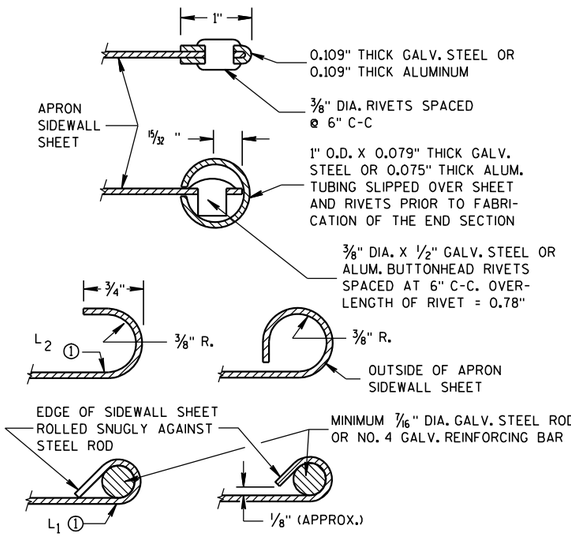
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

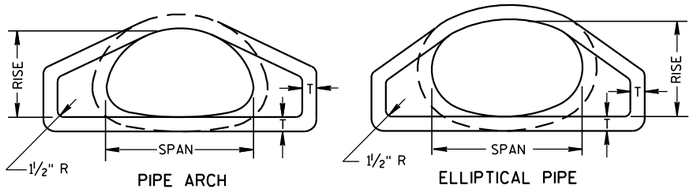
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

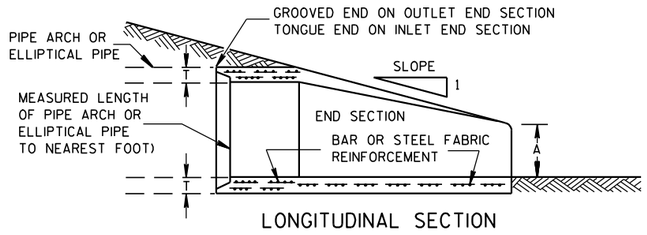
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

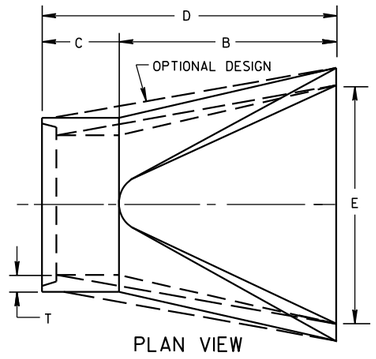
6
S.D.D. 8 F 1-11



END VIEW

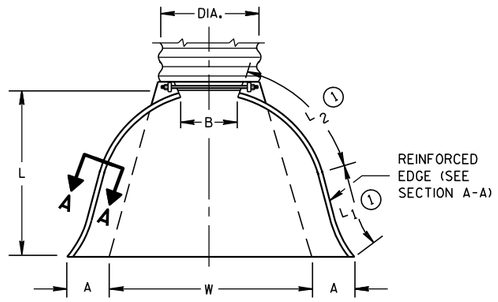


LONGITUDINAL SECTION

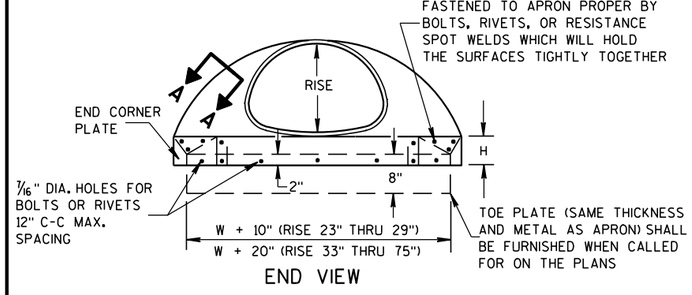


PLAN VIEW

CONCRETE ENDWALLS

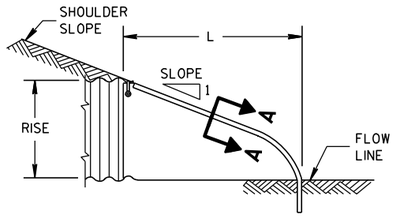


PLAN VIEW



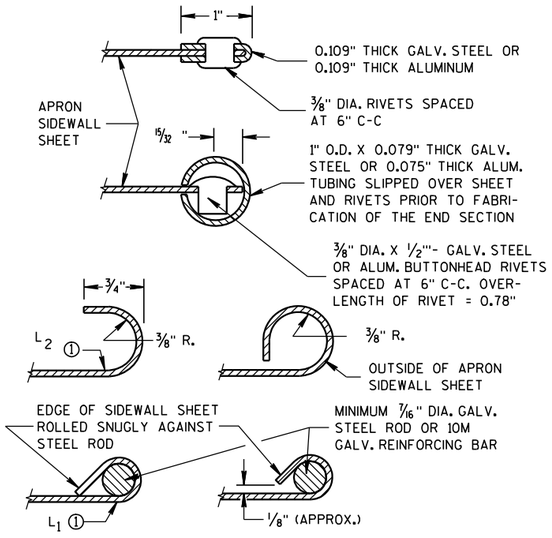
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

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

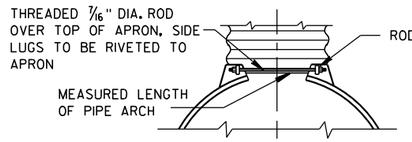
REINFORCED CONCRETE PIPE ARCH

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

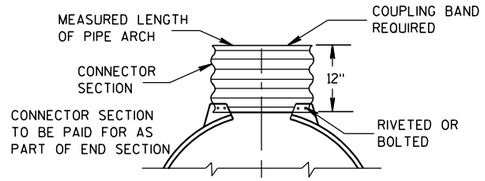
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48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

**NOMINAL SIZE



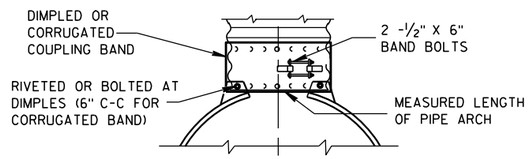
TYPE 2

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

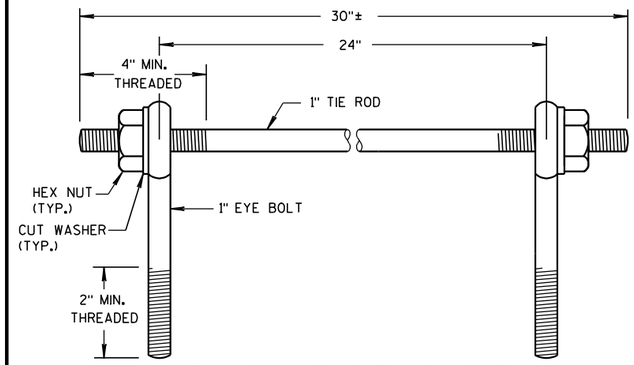
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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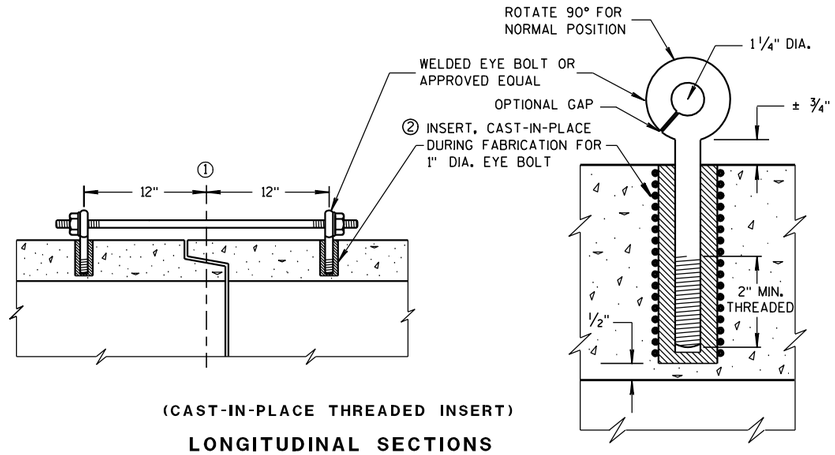
11/30/94 — DATE

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

FHWA



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

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

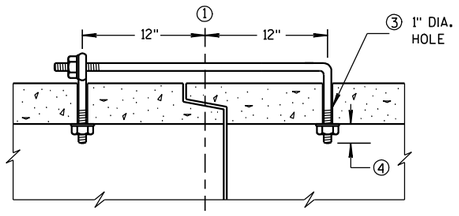
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

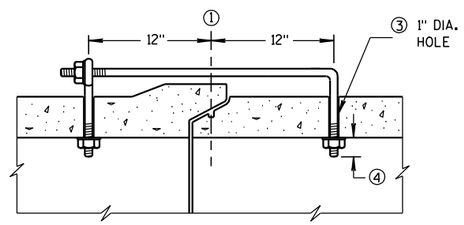
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

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



(TONGUE & GROOVE PIPE)

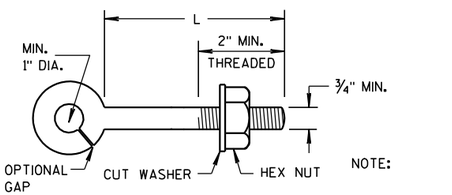


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

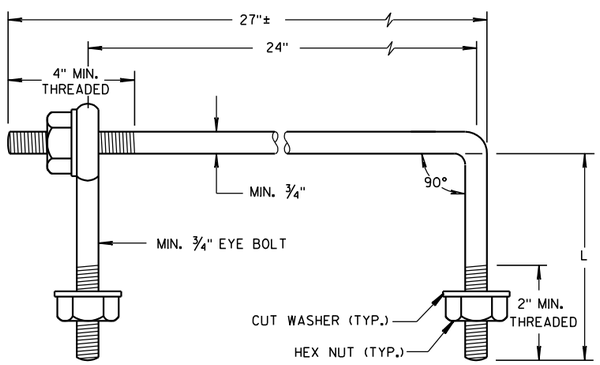
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

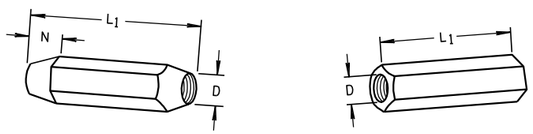
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

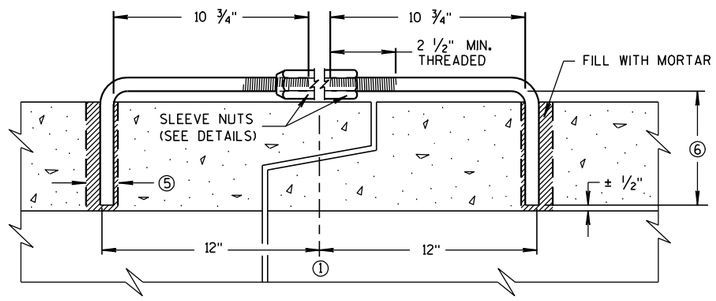
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

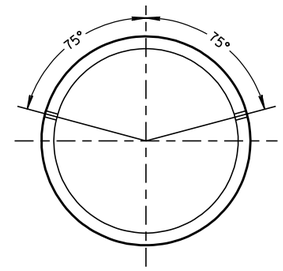
SLEEVE NUTS



LONGITUDINAL SECTION

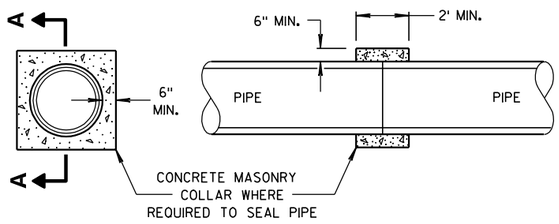
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

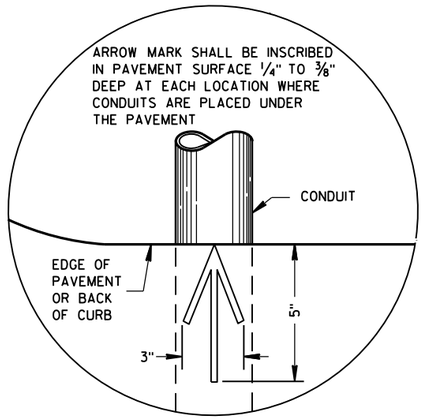
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 F 4-7

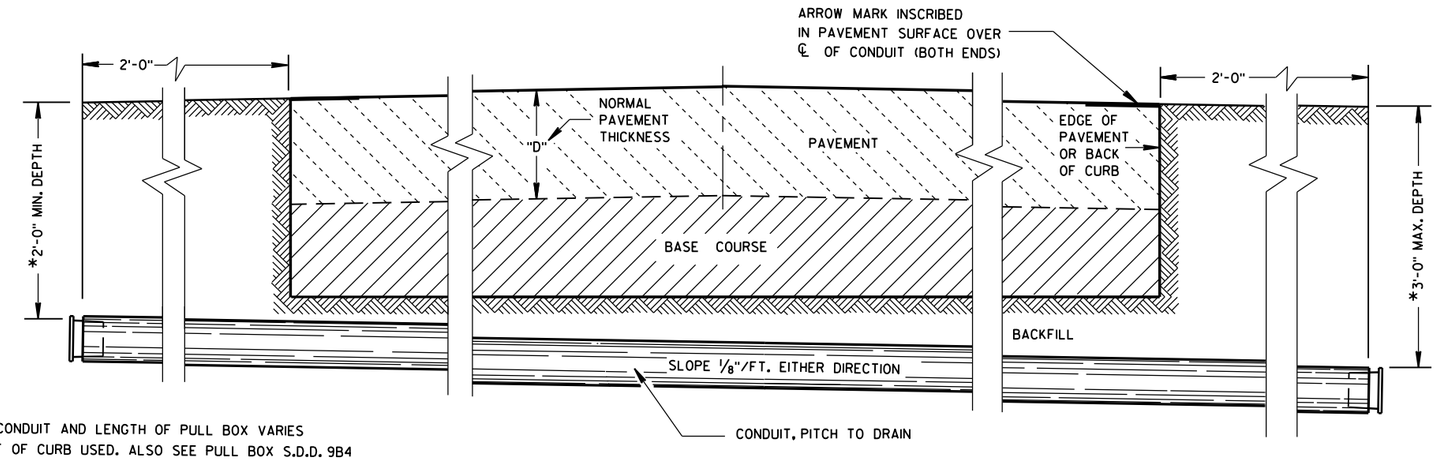
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S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



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

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

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

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

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

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

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

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

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

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

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

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

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

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

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

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

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

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

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

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

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

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

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

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

GENERAL NOTES

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

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

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

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

COVER SHALL BE MAGNETICALLY LOCATABLE.

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

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

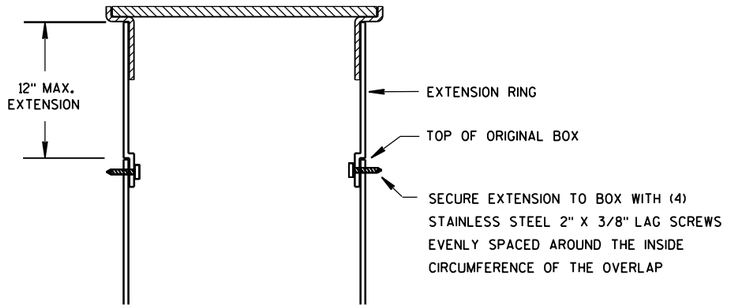
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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

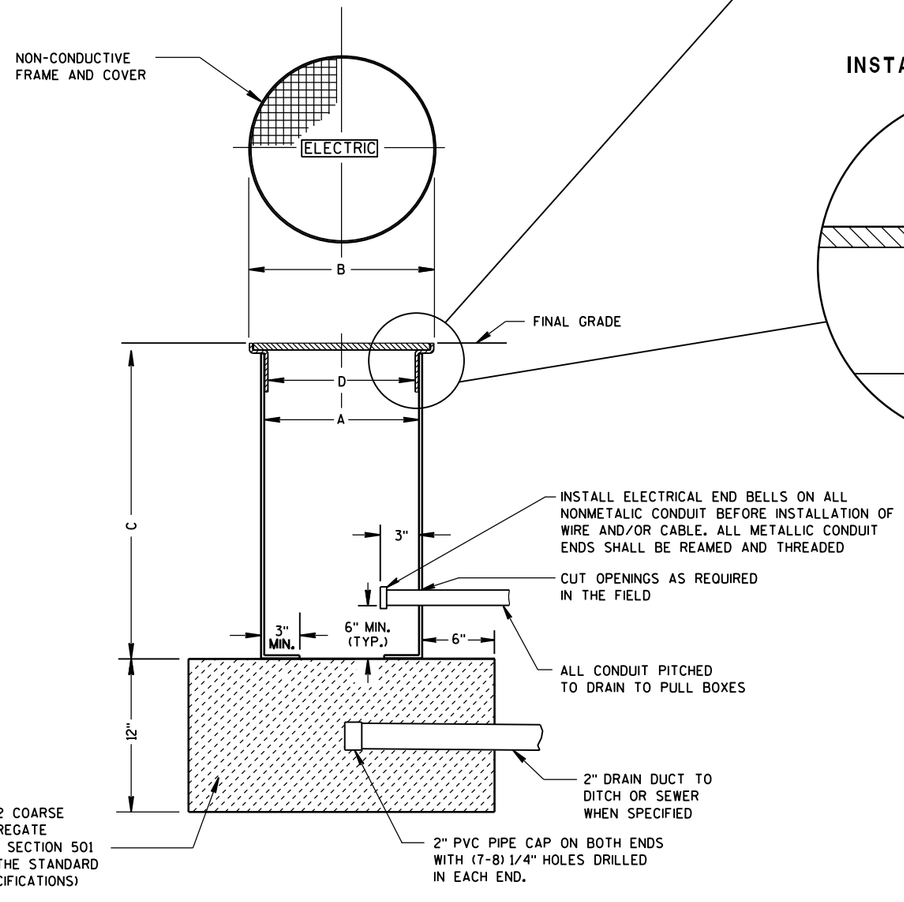
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

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

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

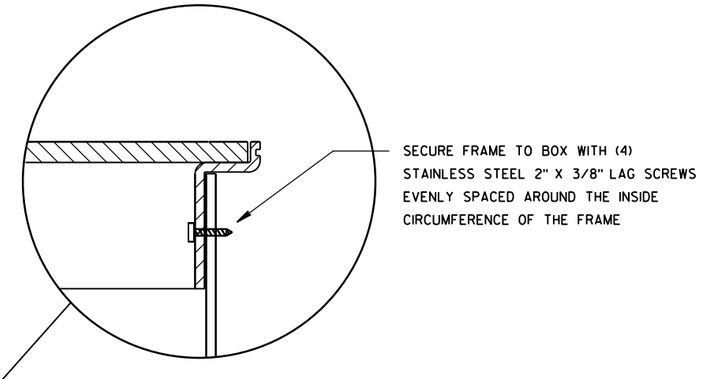


BOX EXTENSION

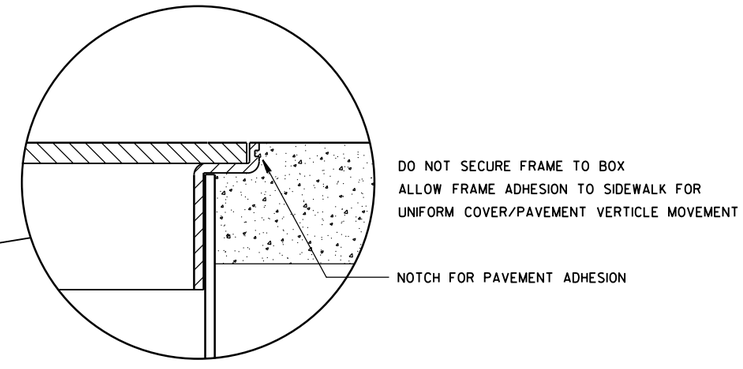


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



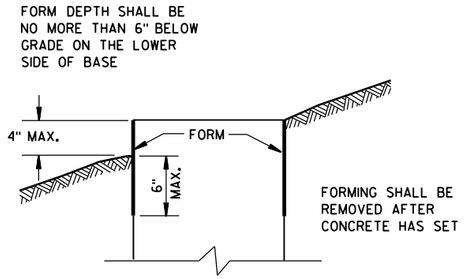
PULL BOX NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

S.D.D. 9 B 16-1



FORMING DETAIL

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

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

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

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

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

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

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

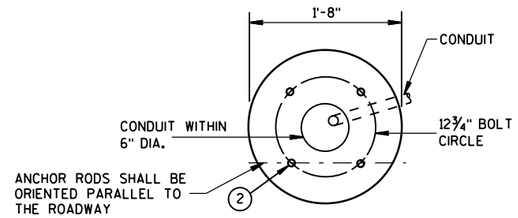
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

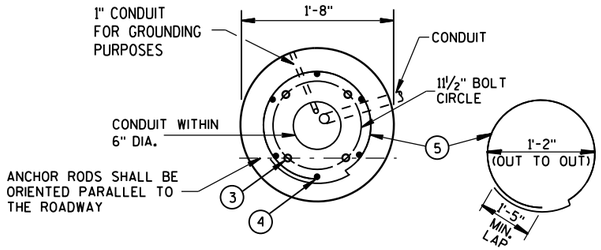
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

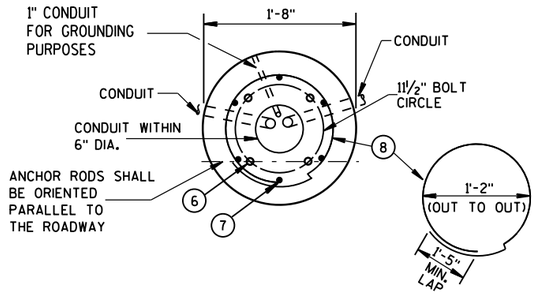
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

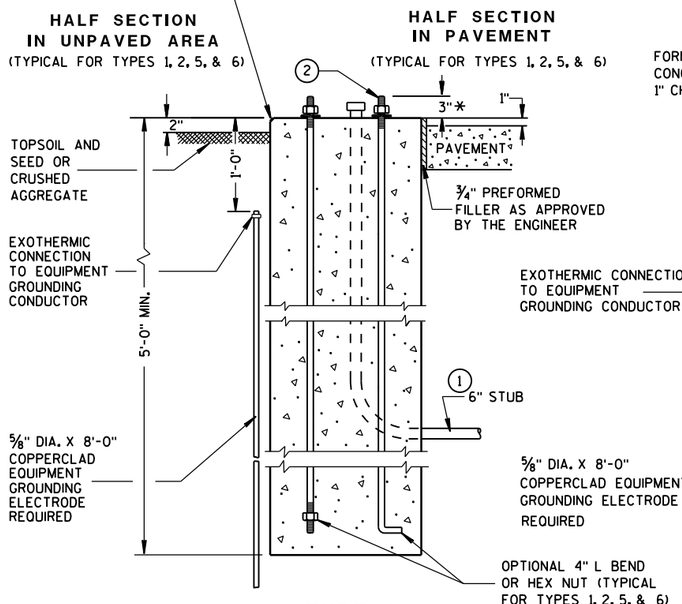




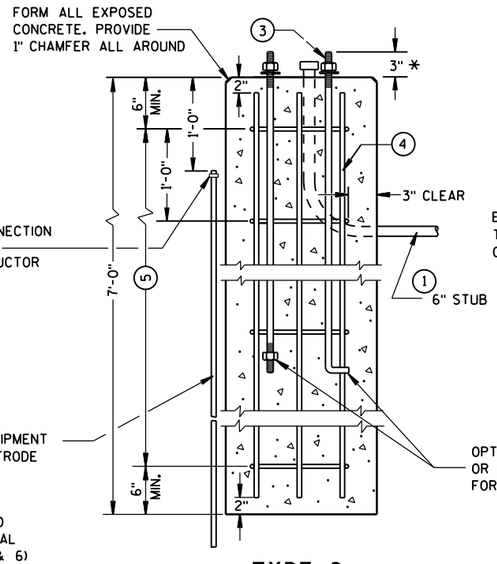


HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)

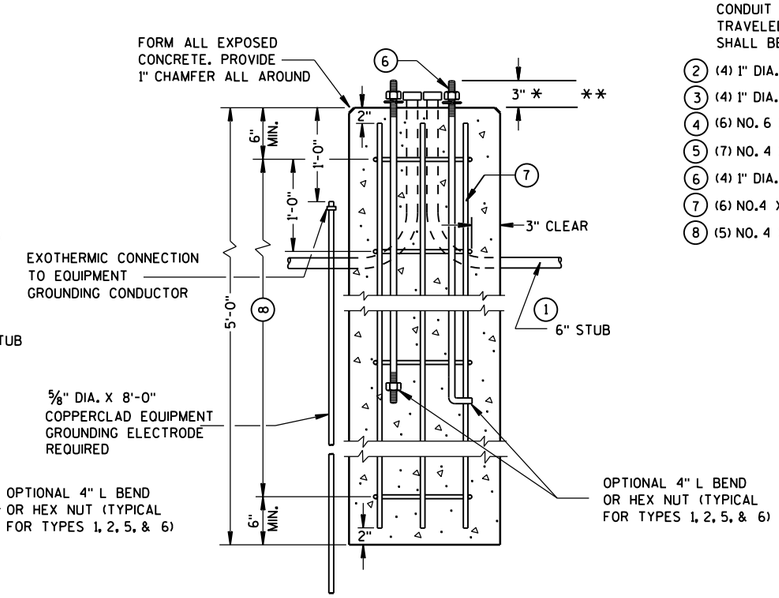
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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/S/ Ahmet Demirbilek — STATE ELECTRICAL 364
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S.D.D. 9 C 2-7

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GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

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

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

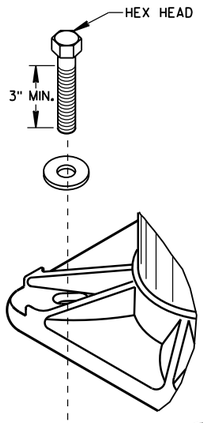
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

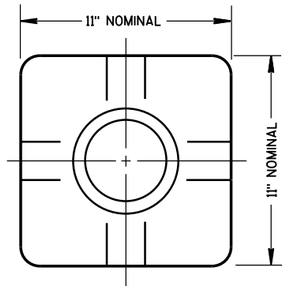
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

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

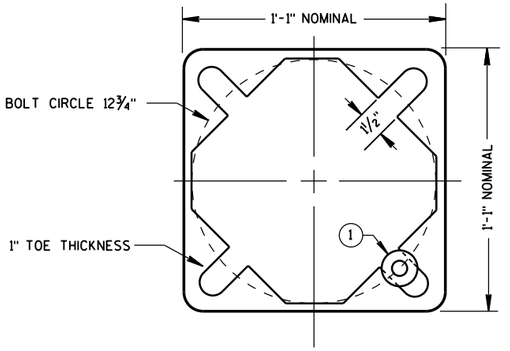
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

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

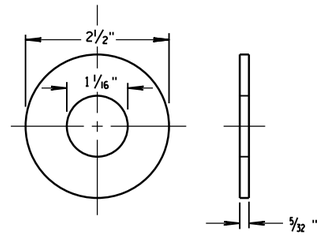




TOP VIEW
(PEDESTAL BASE)

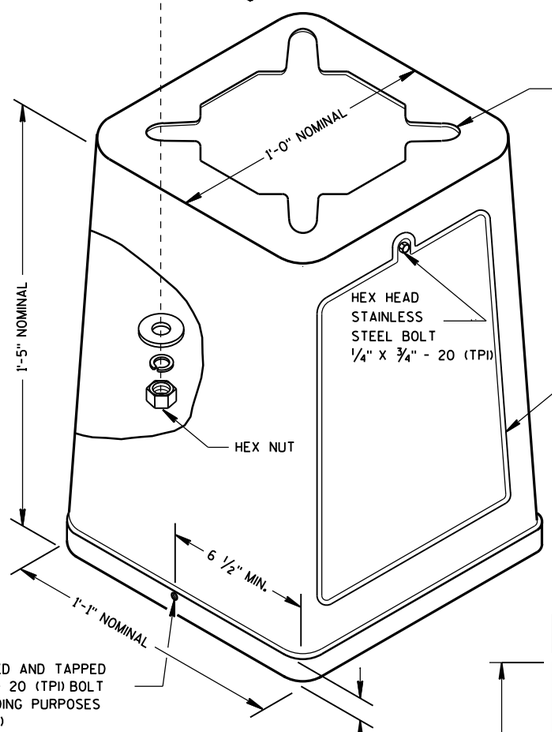


BOTTOM VIEW
(PEDESTAL BASE)

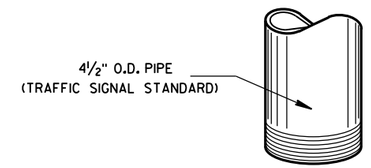


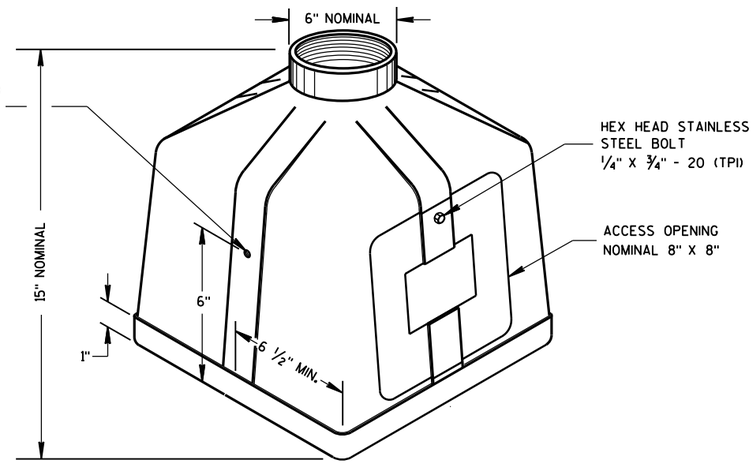
ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)



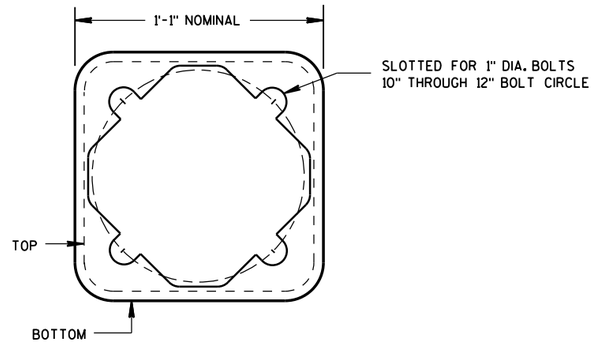
ISOMETRIC VIEW



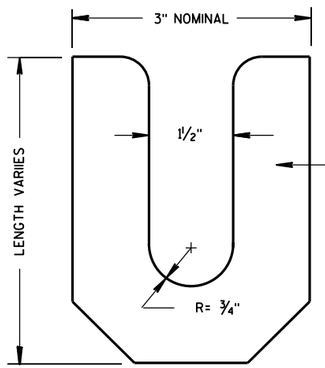


ISOMETRIC VIEW

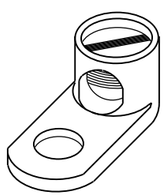
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)



LEVELING SHIM



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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Sept. 2014 — DATE
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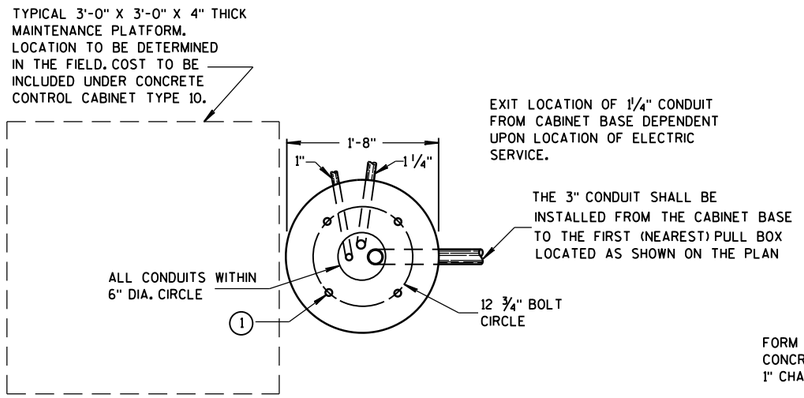
S.D.D. 9 C 3-4

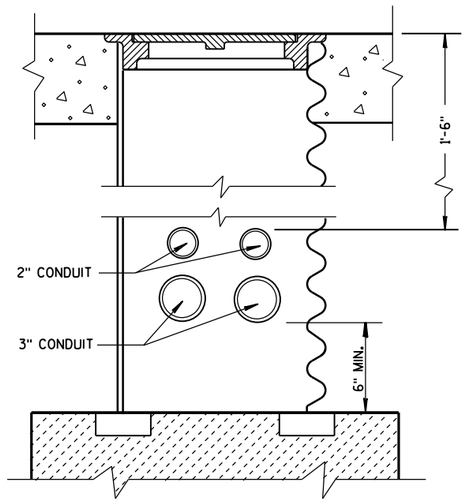
6

S.D.D. 9 C 3-4

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	H	I	J	K	
TYPE 6 - 30" CABINET	34"	60"	10"	17"	.64
TYPE 7 - 38" CABINET	42"	60"	10"	21"	.93
TYPE 8 - 38" CABINET	42"	72"	12"	21"	1.29
TYPE 9 - VARIABLE	54"	72"	14"	27"	1.56
TYPE 10 - POST MOUNT	AS SHOWN				.65 *

* INCLUDES MAINTENANCE PLATFORM.





CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)

GENERAL NOTES

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

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

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

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

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

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

ALL FOUR (TWO INCH AND THREE INCH) CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST (NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

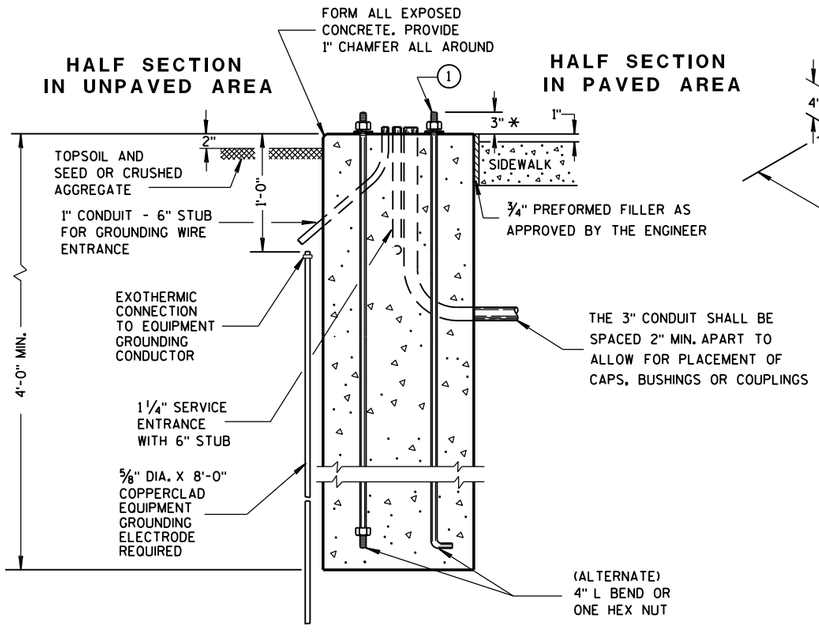
STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

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

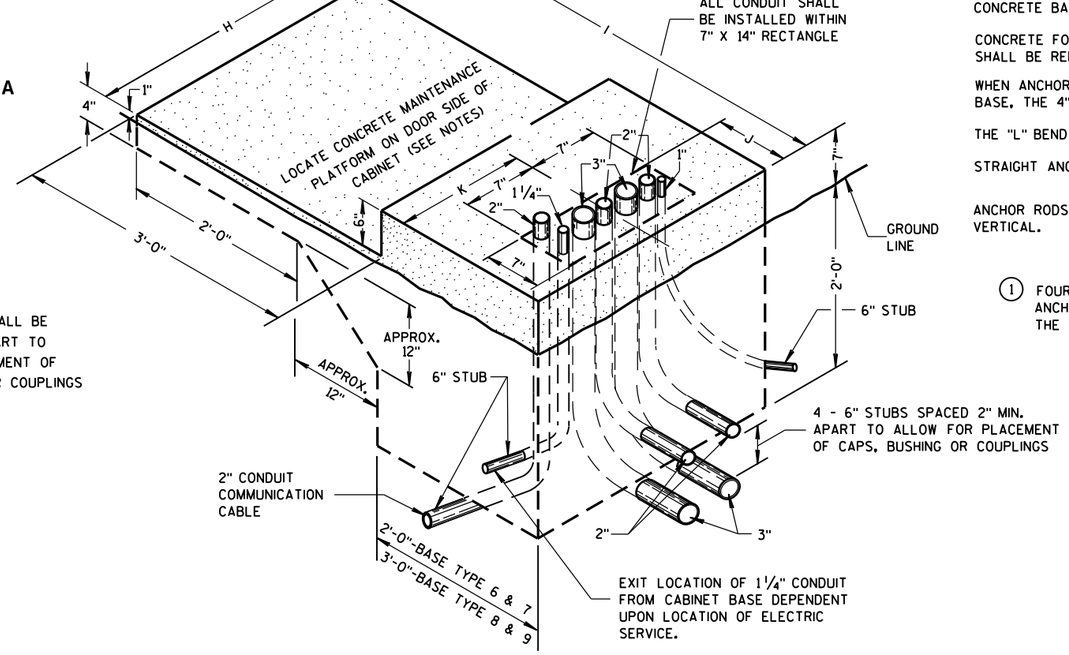
(1) FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6". ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

HALF SECTION IN UNPAVED AREA

HALF SECTION IN PAVED AREA



TYPE 10



TYPE 6,7,8 AND 9 (ISOMETRIC VIEW)

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

CONCRETE CONTROL CABINET BASES

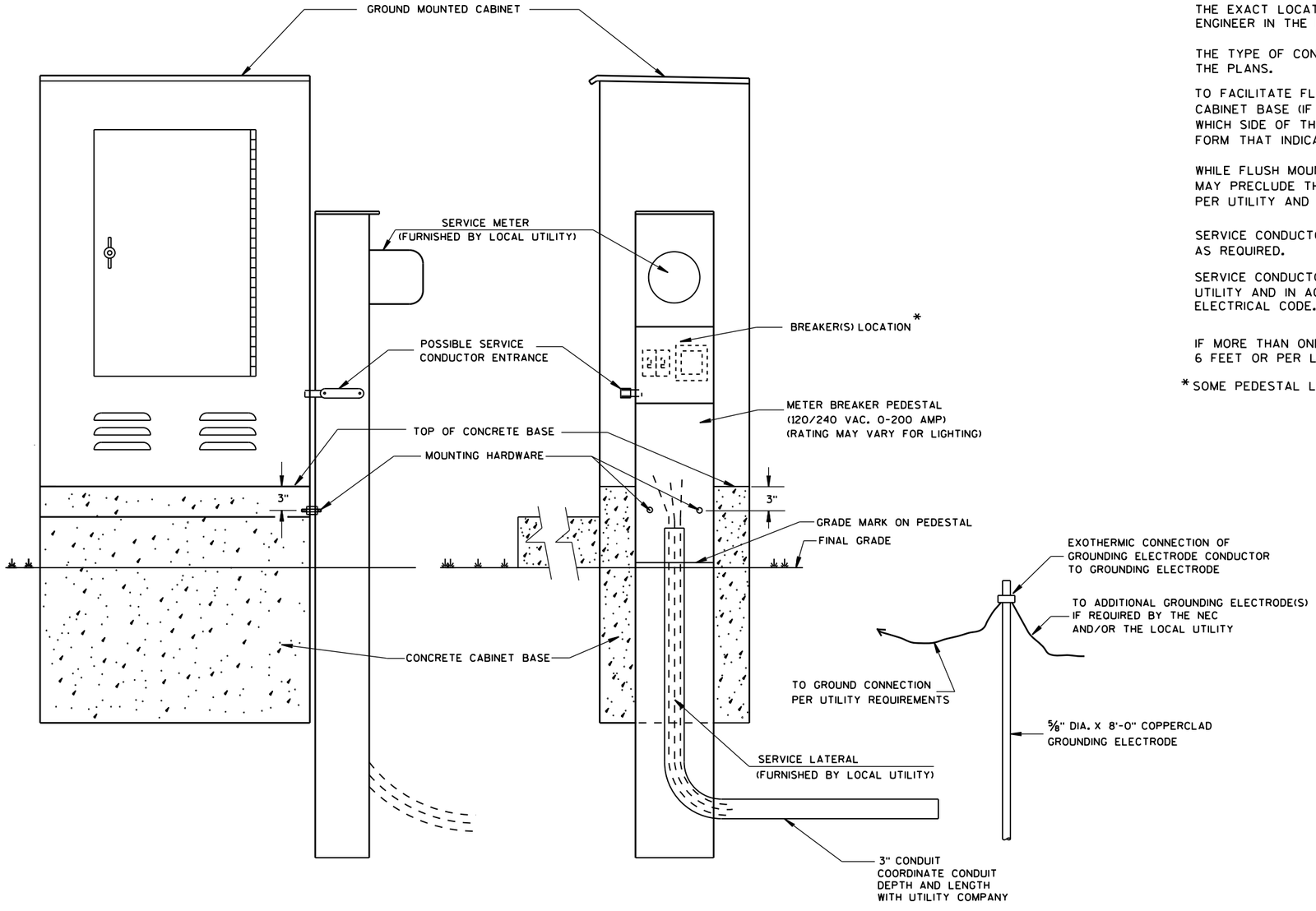
CONCRETE CONTROL CABINET BASES

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DEPARTMENT OF TRANSPORTATION

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TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

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

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

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

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

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

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

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

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

6

S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

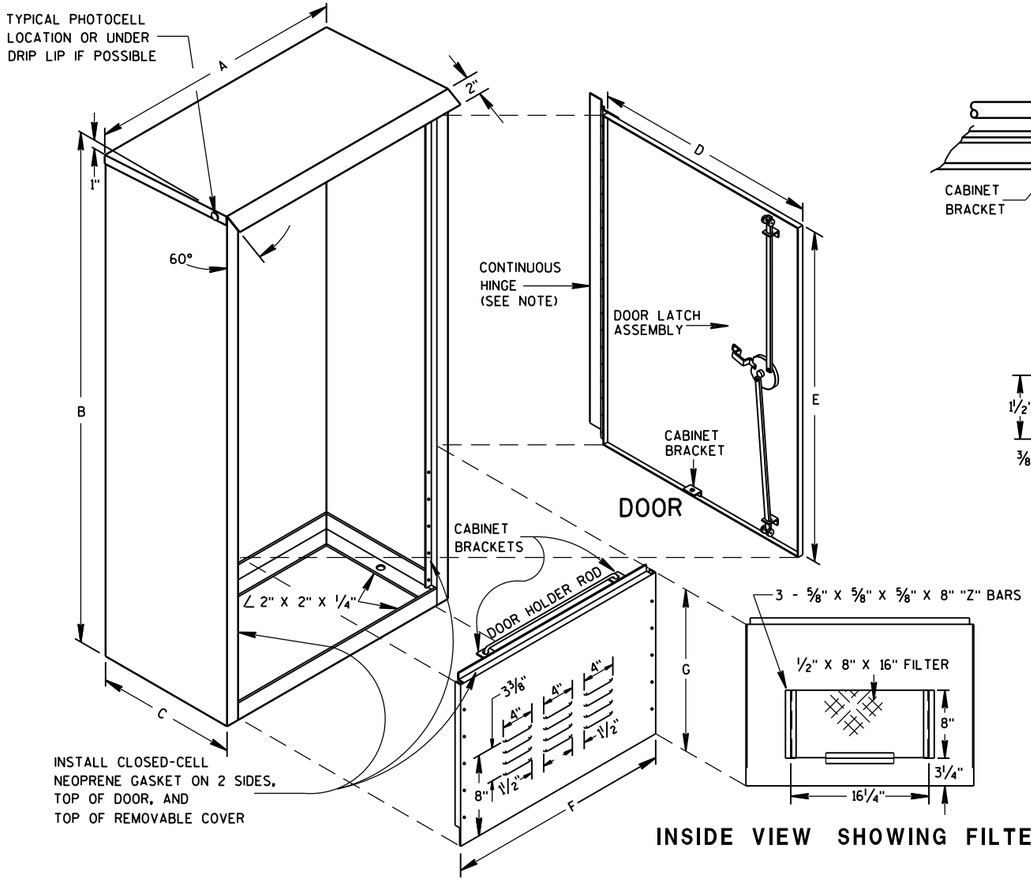
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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DATE

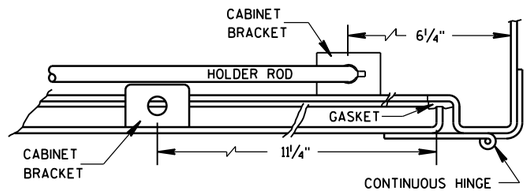
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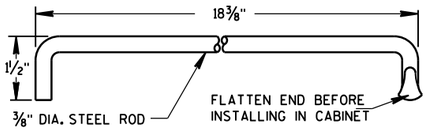


REMOVABLE COVER

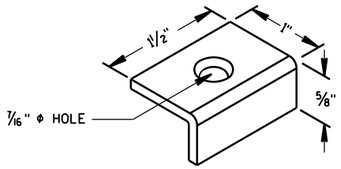
INSIDE VIEW SHOWING FILTER



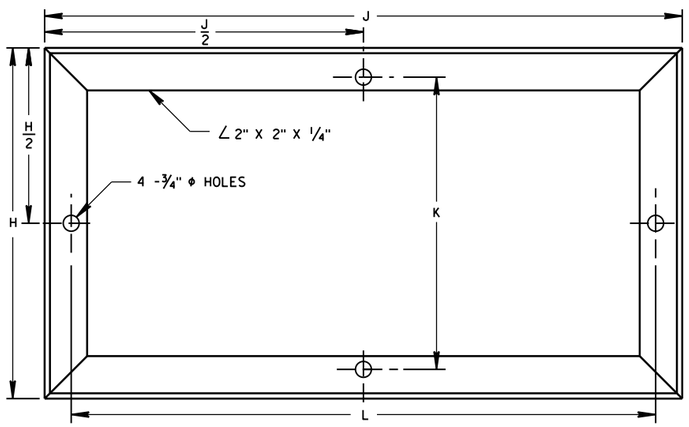
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

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.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

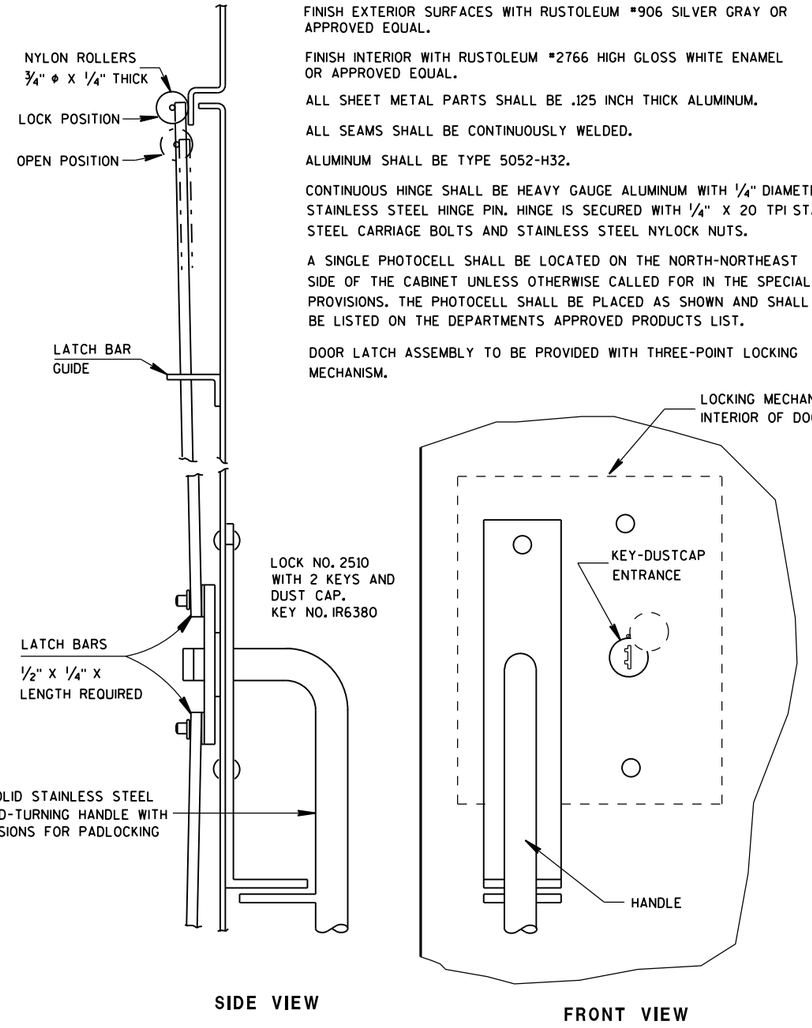
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

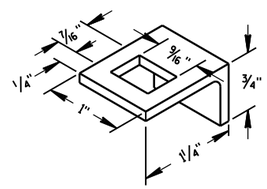
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

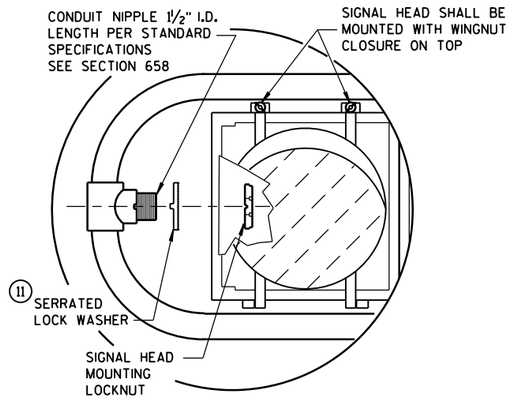
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S.D.D. 9 D 2-3

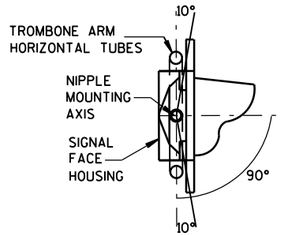
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S.D.D. 9 D 2-3



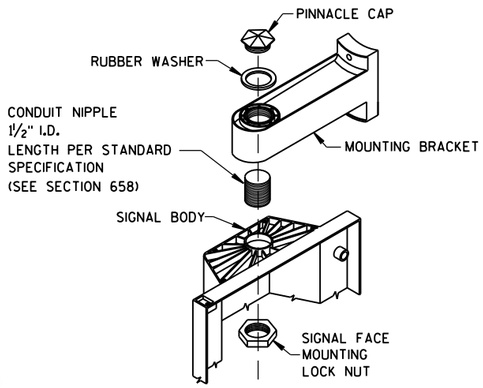
HORIZONTAL SIGNAL HEAD MOUNTING DETAIL *

* SIGNAL HEAD ATTACHMENT ALSO APPLYS TO MOUNTING AT CROSS BAR



SECTION A-A

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



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

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

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

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

A PULL WIRE/ROPE IN ACCORDANCE WITH STANDARD SPECIFICATION 652 SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

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

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING. (SEE STANDARD SPECIFICATIONS - SEC. 658)

(3) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

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

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE 1 OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(7) MOUNTING BRACKET NIPPLES FOR THE SIGNAL FACE(S) SHALL BE 2 INCHES IN LENGTH AND 1½ INCHES IN DIAMETER. (SEE STANDARD SPECIFICATION - SECTION 658).

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

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

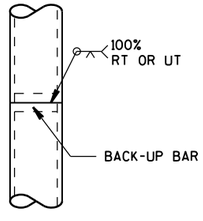
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

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

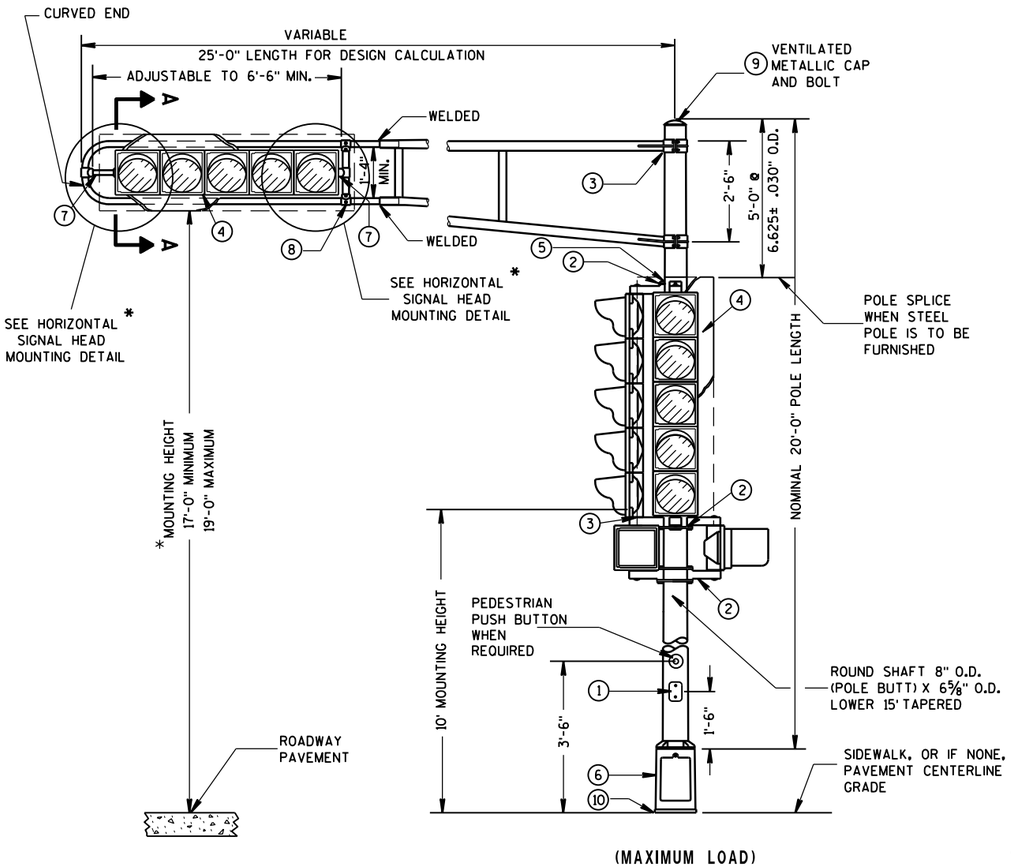
*MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE/NON-USE OF A TRANSFORMER BASE.

FOR MANUFACTURERS USE ONLY

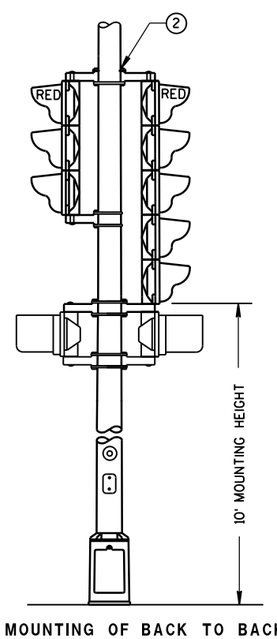
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN/BRIDGE FOR VERIFICATION AND APPROVAL.



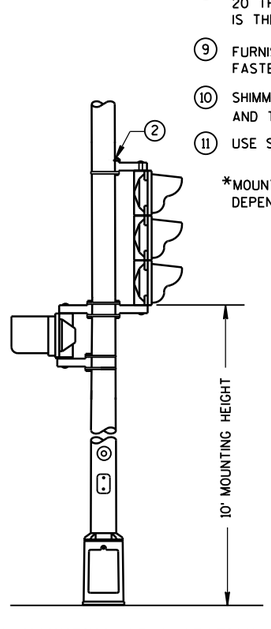
POLE SPLICE DETAIL



(MAXIMUM LOAD)



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



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE

TYPE 2 POLE MOUNTING CONFIGURATION

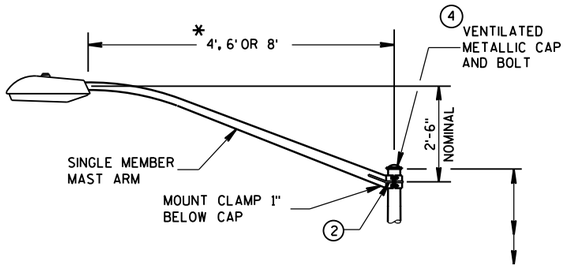
POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

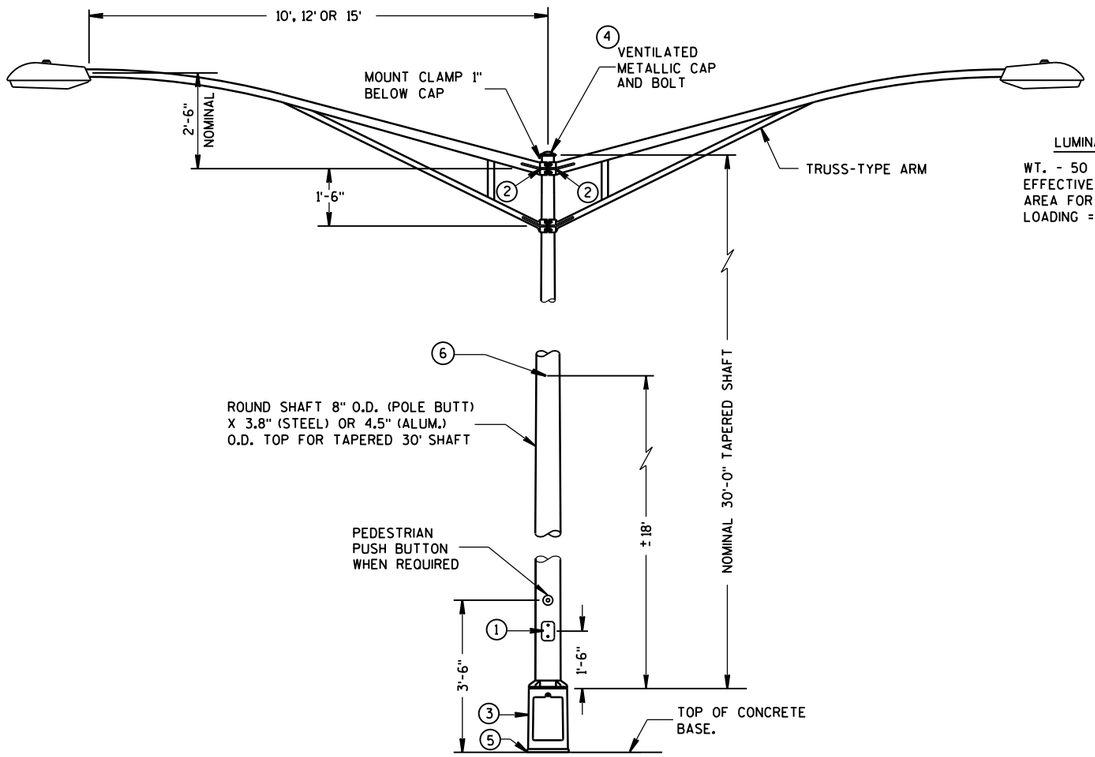
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

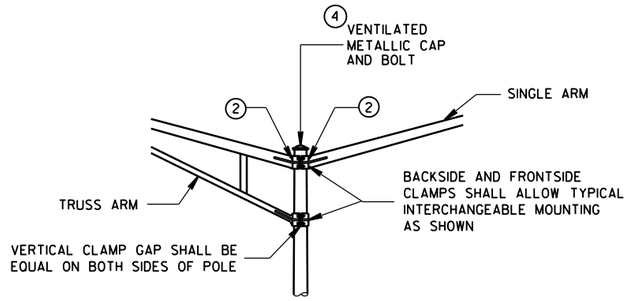
S.D.D. 9 E 1-14a

*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

GENERAL NOTES

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

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

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

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

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

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

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

6

S.D.D. 9 E 1-14d

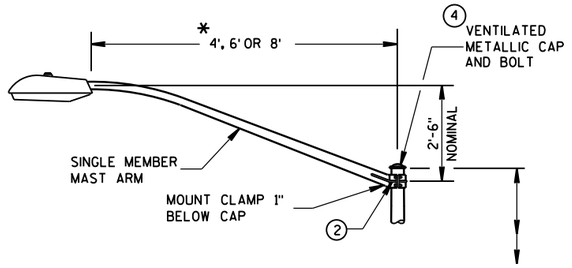
POLE MONTINGS FOR
LIGHTING UNITS, TYPE 5
(30 FEET)

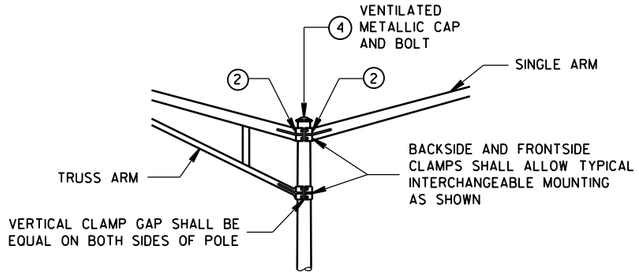
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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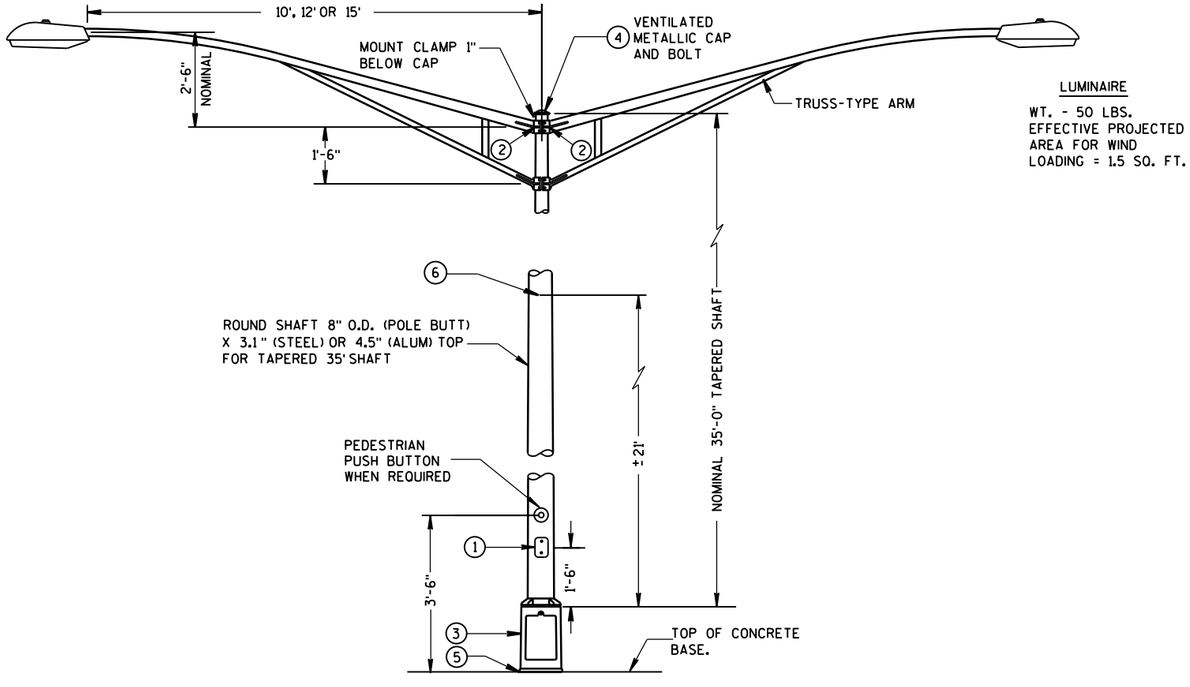
S.D.D. 9 E 1-14d

* RISE FOR 4' ARM SHALL BE 2'-0".





INTERCHANGEABLE MOUNTING DETAIL



TYPE 6 POLE MOUNTING CONFIGURATION

(MAXIMUM LOAD)

LIGHTING ONLY

GENERAL NOTES

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

ALL TYPE 6 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

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

TYPE 6 ALUMINUM POLES, SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 6 ALUMINUM POLES SHALL HAVE MINIMUM WALL THICKNESS OF 0.219".

TYPE 6 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

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

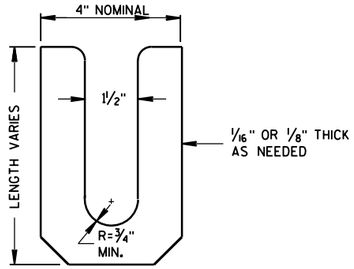
(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)

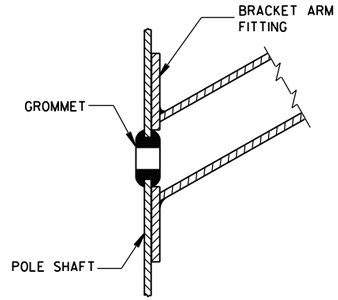
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 9 E 1-14e

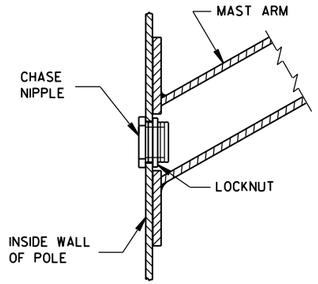


LEVELING SHIM (13)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

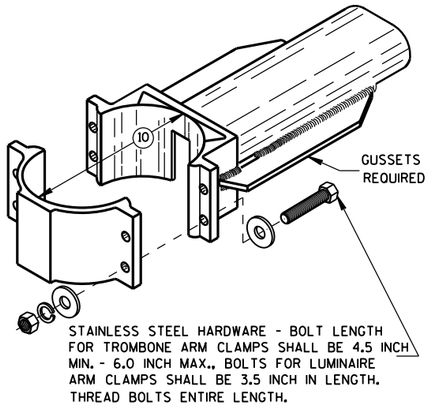
(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

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

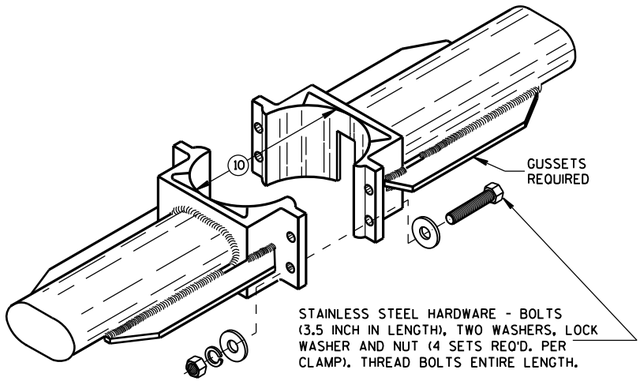
(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

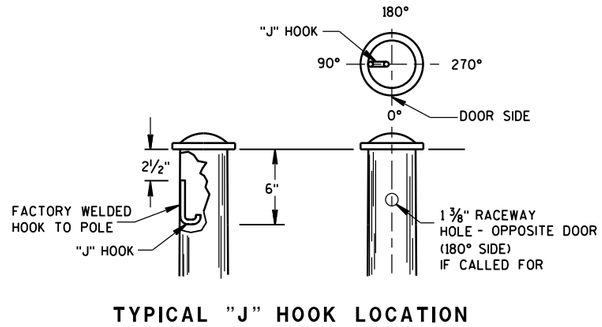
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



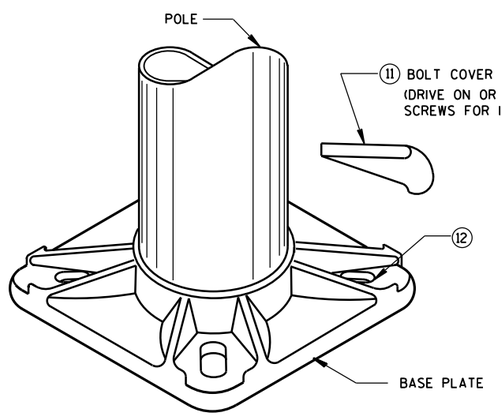
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



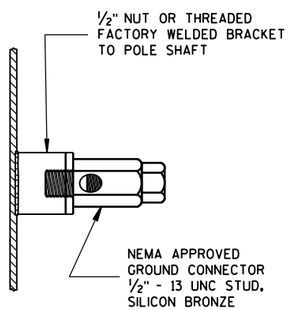
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

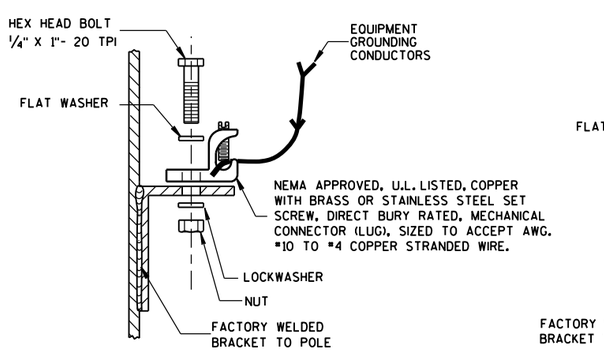


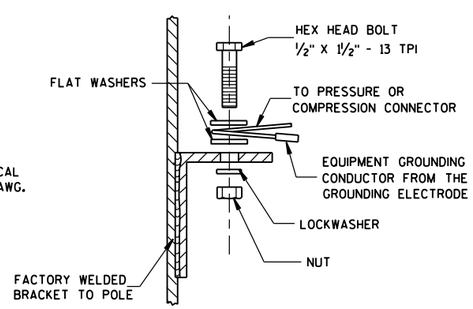
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

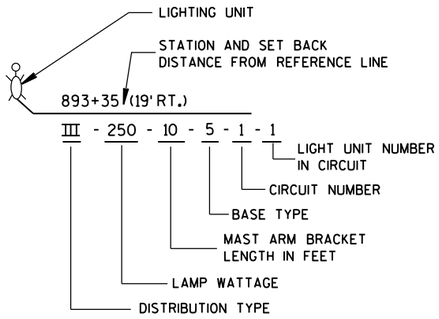
HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

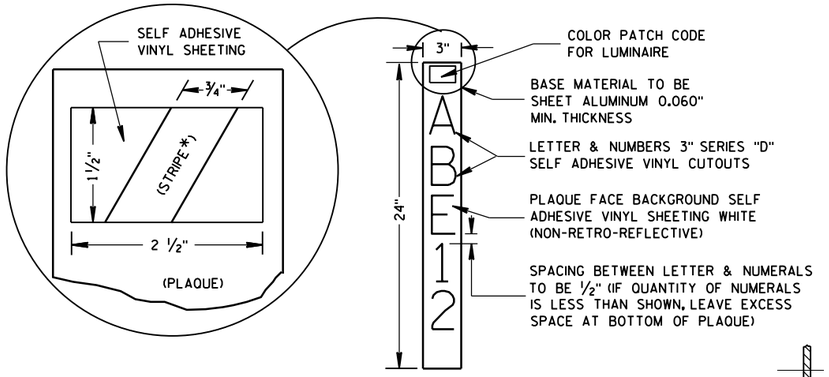
APPROVED
Feb. 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 E 1-14g



LIGHTING UNIT CODE
(TYPICAL)



COLOR PATCH CODE FOR LUMINAIRES

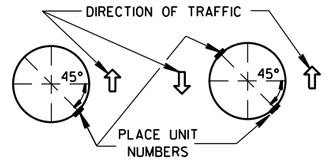
(HIGH PRESSURE SODIUM)

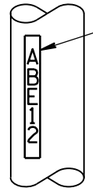
1000 WATT - NO PATCH
400 WATT - ORANGE
310 WATT - BLUE
250 WATT - ORANGE W/WHITE STRIPE*
200 WATT - RED
150 WATT - GREEN
100 WATT - BROWN

(MERCURY VAPOR)

400 WATT - (NO PATCH)
250 WATT - YELLOW

IDENTIFICATION PLAQUE





FASTEN TOP, CENTER AND BOTTOM OF PLAQUE WITH 3 ALUMINUM POP RIVETS (ALUM. POLES) OR STAINLESS STEEL POP RIVETS (STEEL POLES)

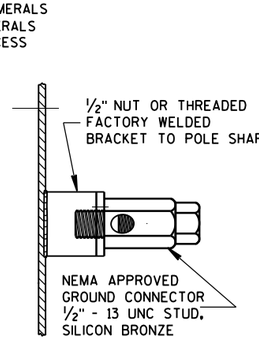
NOTES:

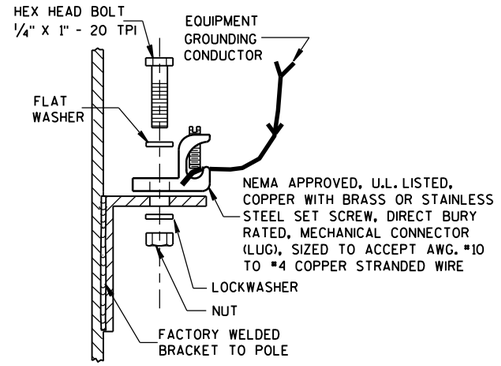
1) PLACE BOTTOM OF UNIT NUMBER PLAQUE 5'-0" ABOVE ELEVATION OF ADJACENT CURB OR SHOULDER.

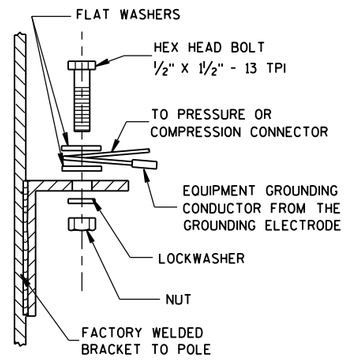
2) UNIT NUMBERS: ONE REQUIRED FOR SINGLE ARM POLES TWO REQUIRED FOR MEDIAN MOUNT POLES.

LIGHTING UNIT IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENT
(TYPICAL ALL LIGHTING UNITS)

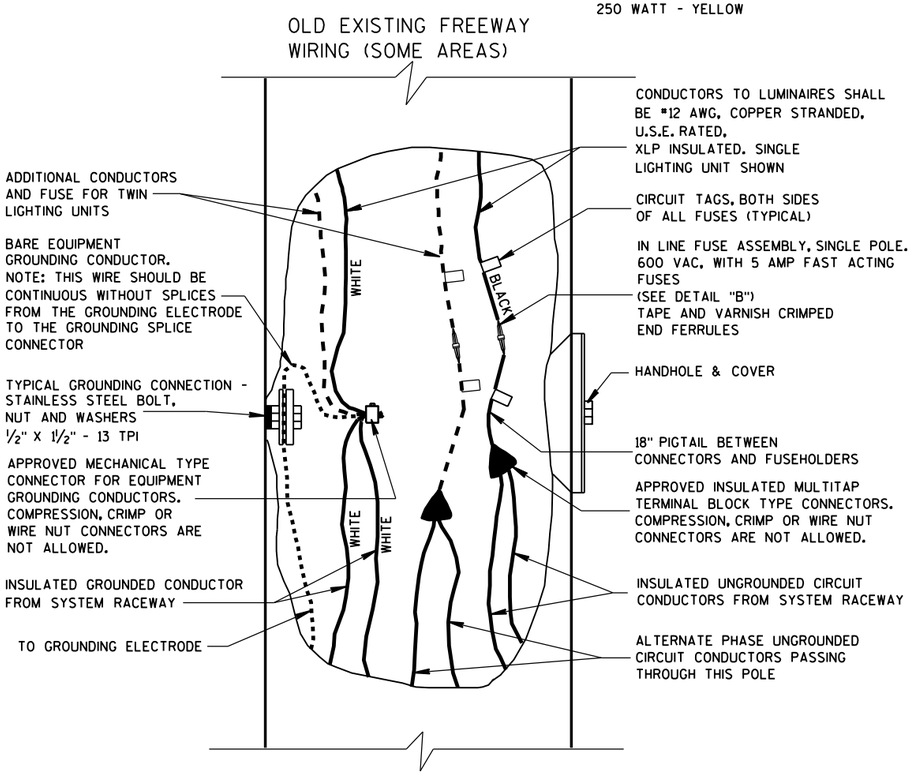
FURNISH PLAQUE WHEN CALLED FOR BY SPECIAL PROVISIONS



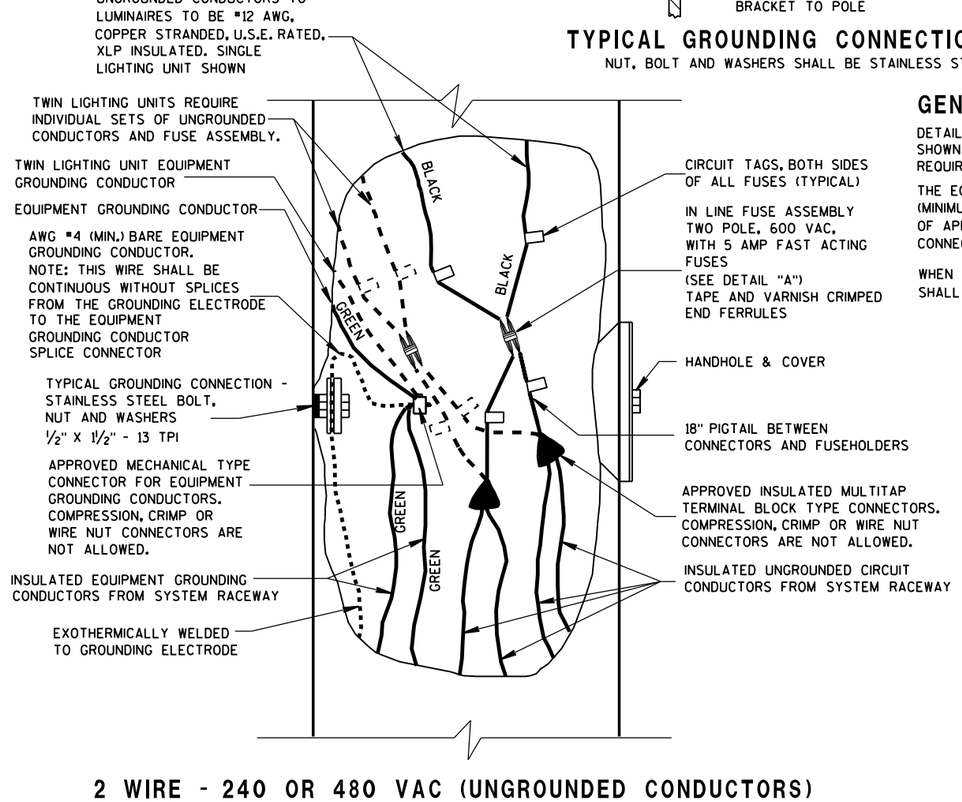




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



2 WIRE - 120, 240 OR 480 VAC TO GROUND



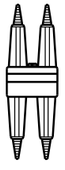
2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

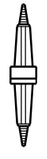
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



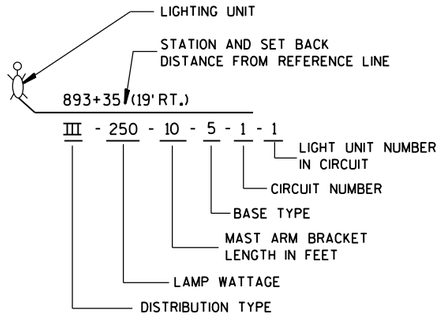
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT

FREEWAY LIGHTING UNIT POLE WIRING

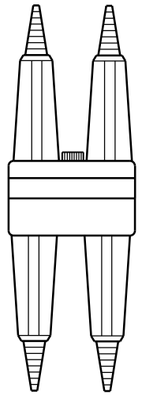
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

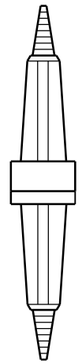
6
S.D.D. 9 E 2-4



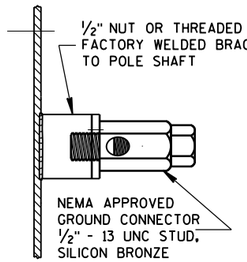
LIGHTING UNIT CODE
(TYPICAL)

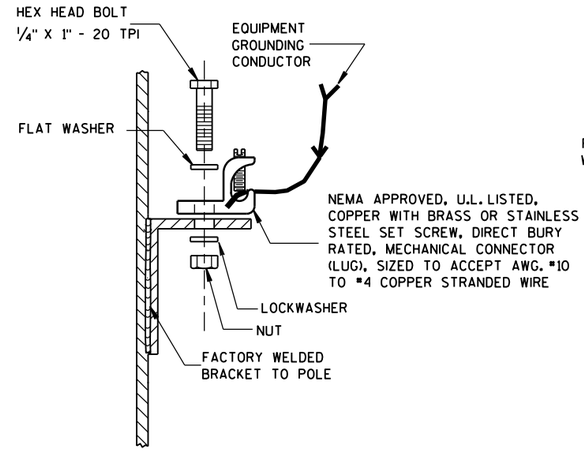


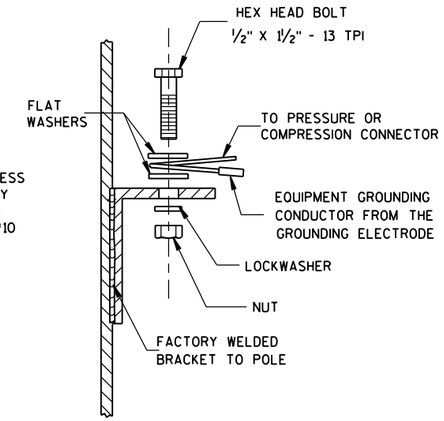
DETAIL "A"
BREAKAWY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



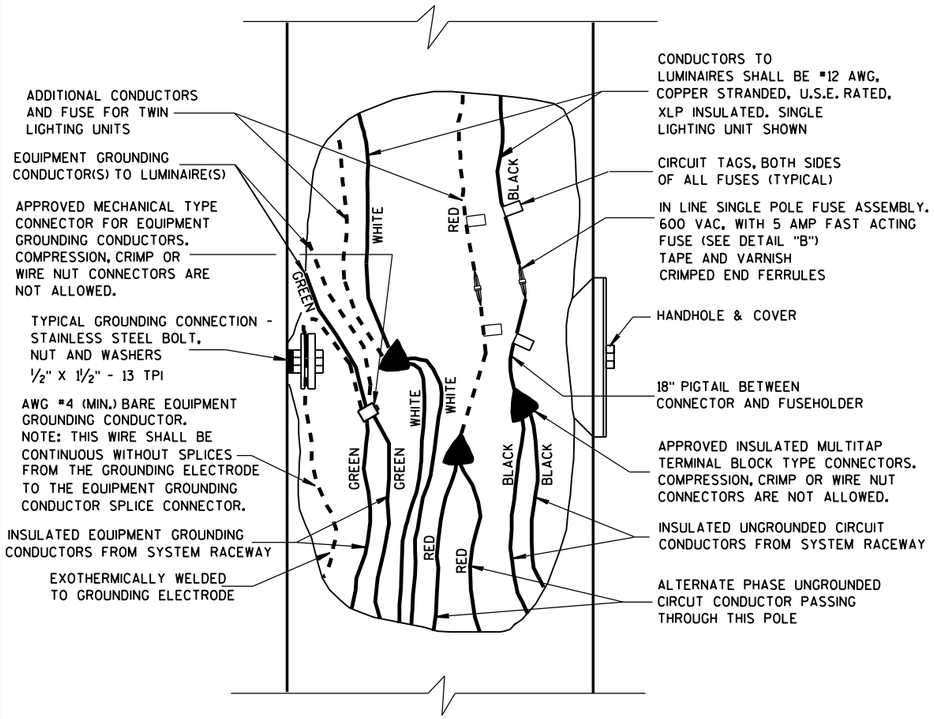
DETAIL "B"
BREAKAWY SINGLE POLE WITH WATERPROOF INSULATING BOOT



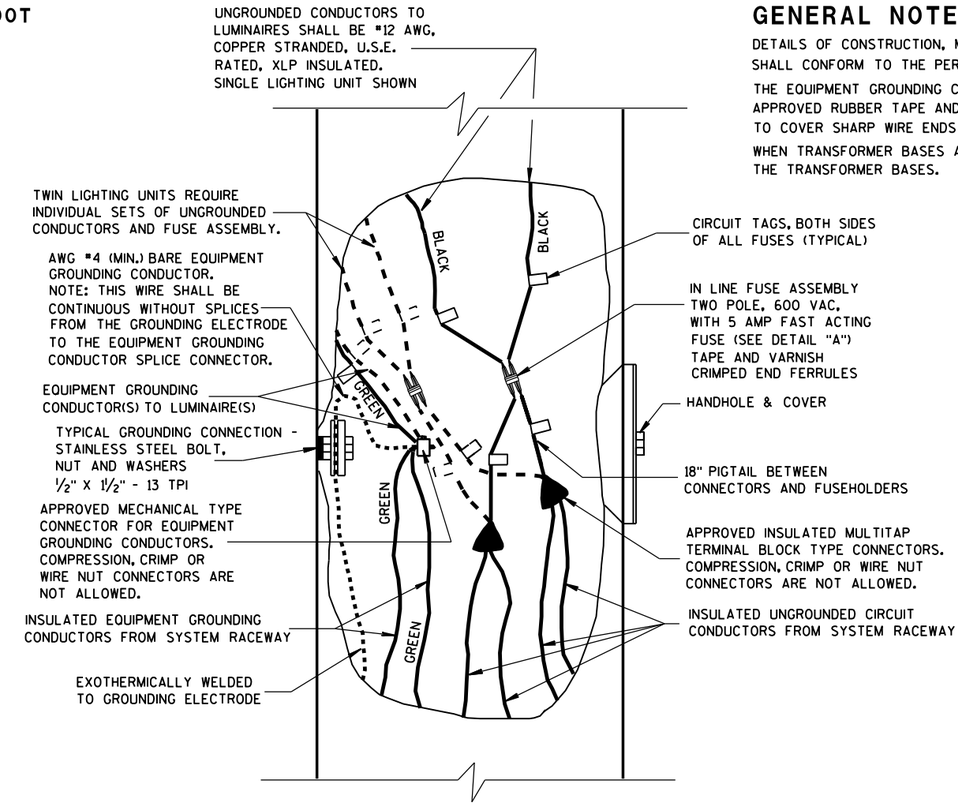




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

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

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

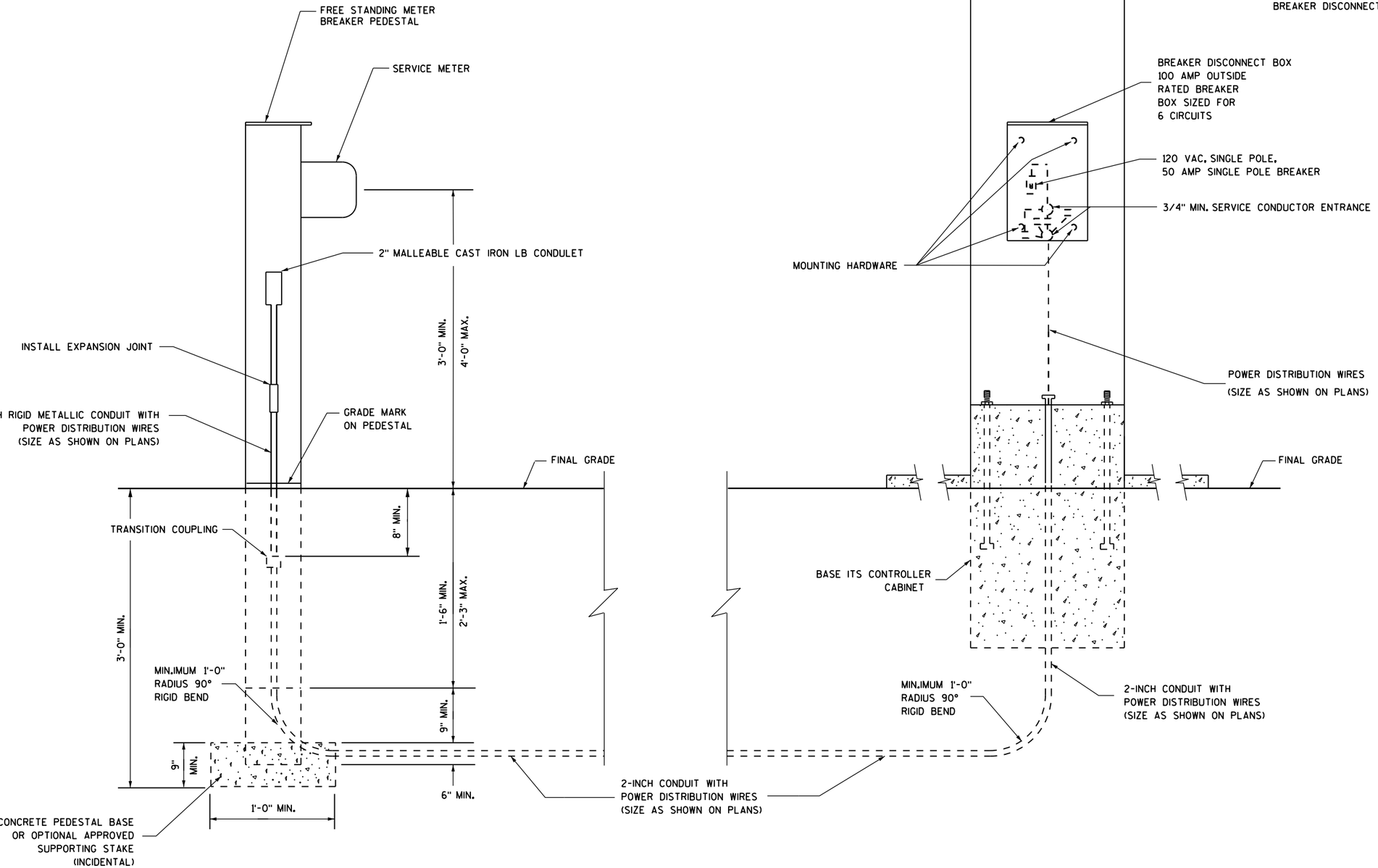
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6
S.D.D. 9 E 3-5

GENERAL NOTES

MINIMUM REQUIREMENT SHOWN. ADDITIONAL BREAKERS MAY BE REQUIRED.

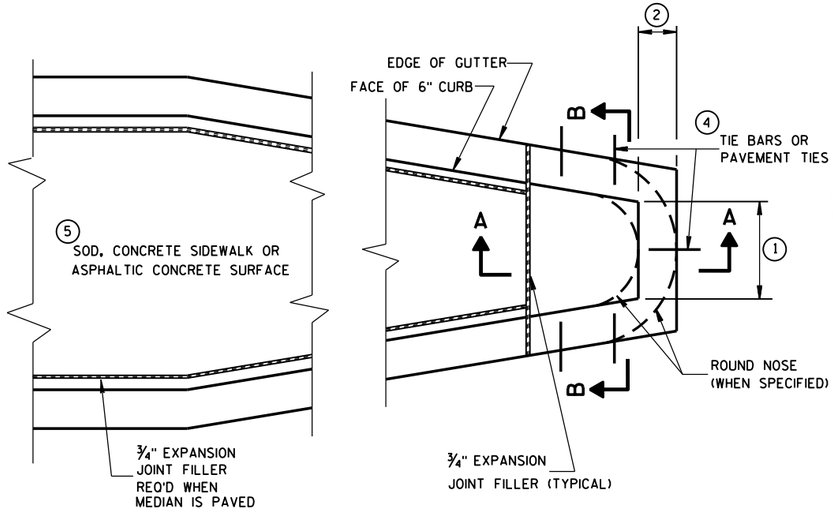
UP TO THREE BREAKERS WILL BE CONSIDERED INCIDENTAL TO THE ITEM BREAKER DISCONNECT BOX.

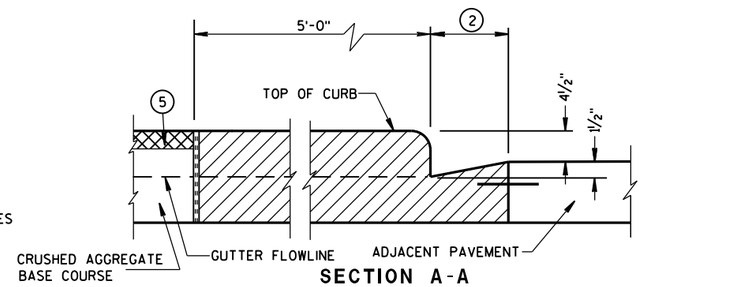


2 CIRCUIT ELECTRICAL SERVICE METER BREAKER PEDESTAL AND BREAKER DISCONNECT BOX

2 CIRCUIT ELECTRICAL SERVICE METER BREAKER PEDESTAL AND BREAKER DISCONNECT BOX	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
Sept. 2014	/S/ Ahmet Demirbilek
DATE	STATE ELECTRICAL
FHWA	

6
S.D.D. 9 H 4-1





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

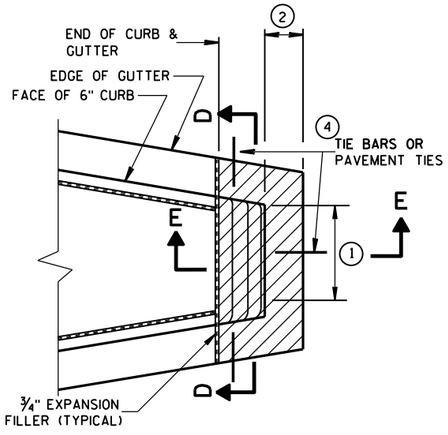
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

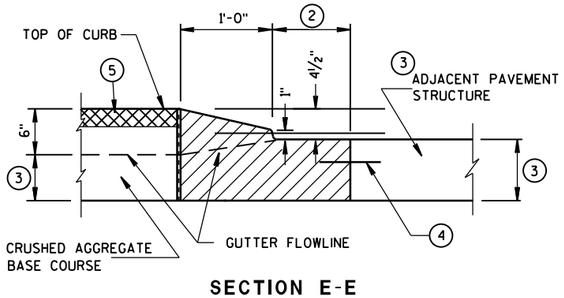
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

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

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

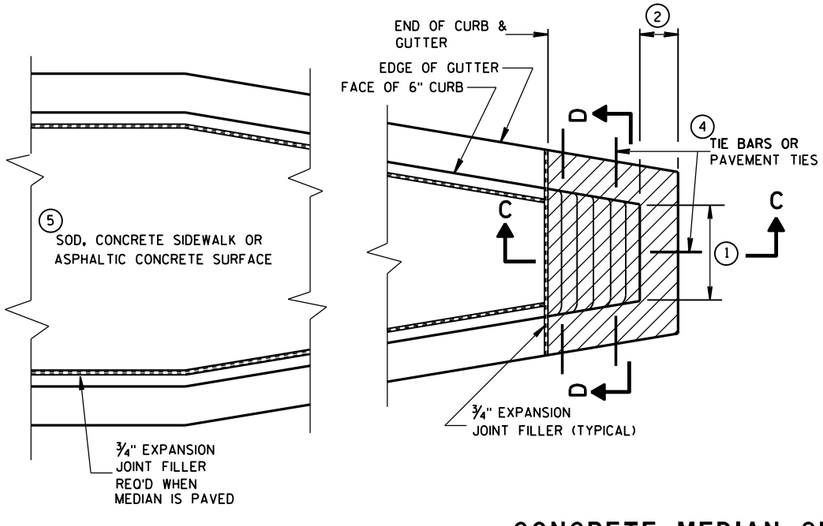
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

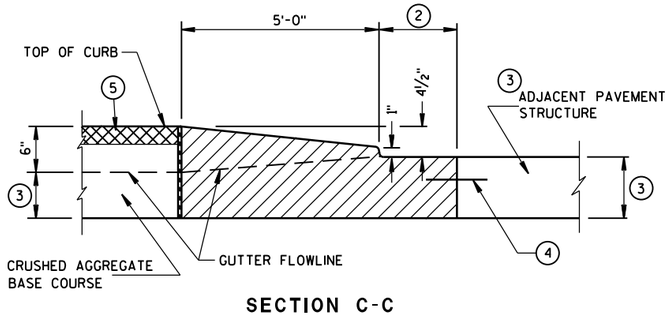




SECTION E-E

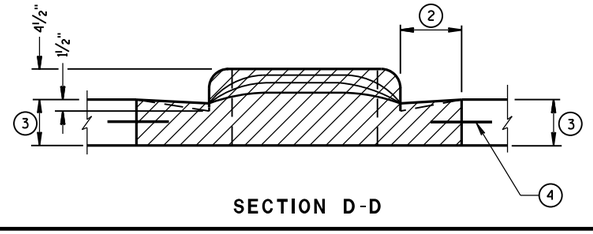
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

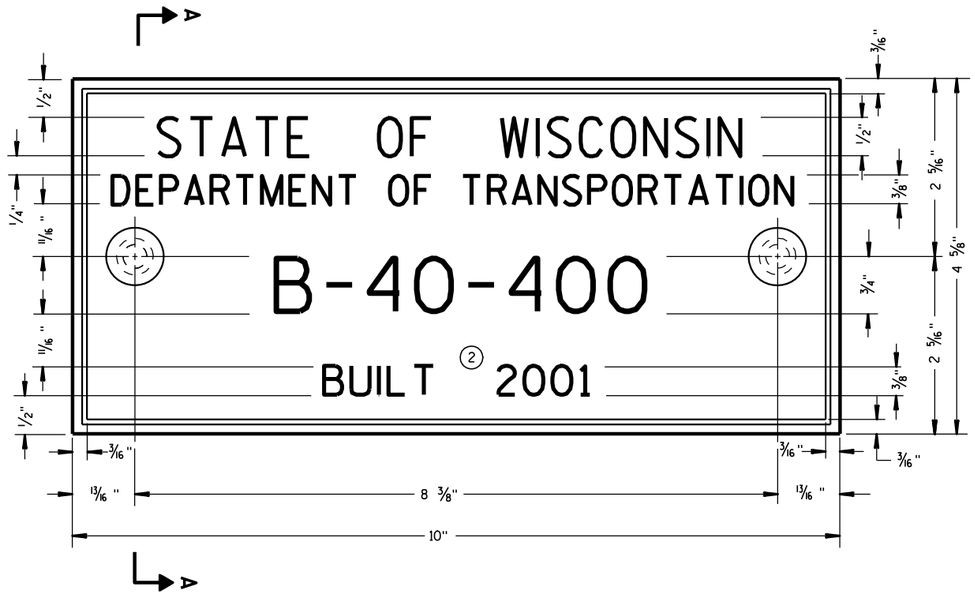
APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

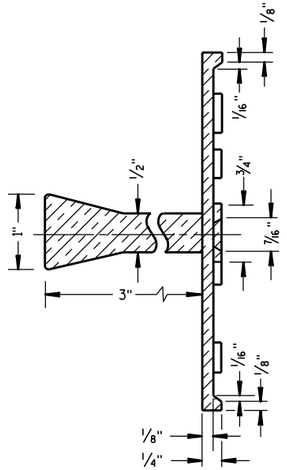
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

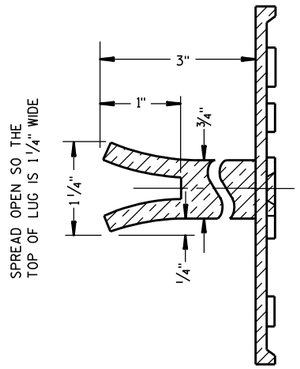
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

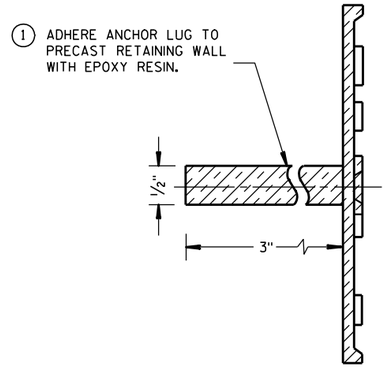
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck-- CHIEF STRUCTURAL DEVELOP 377 ENGINEER

FHWA

6

S.D.D. 12 A 3-10

6

S.D.D. 12 A 3-10

GENERAL NOTES

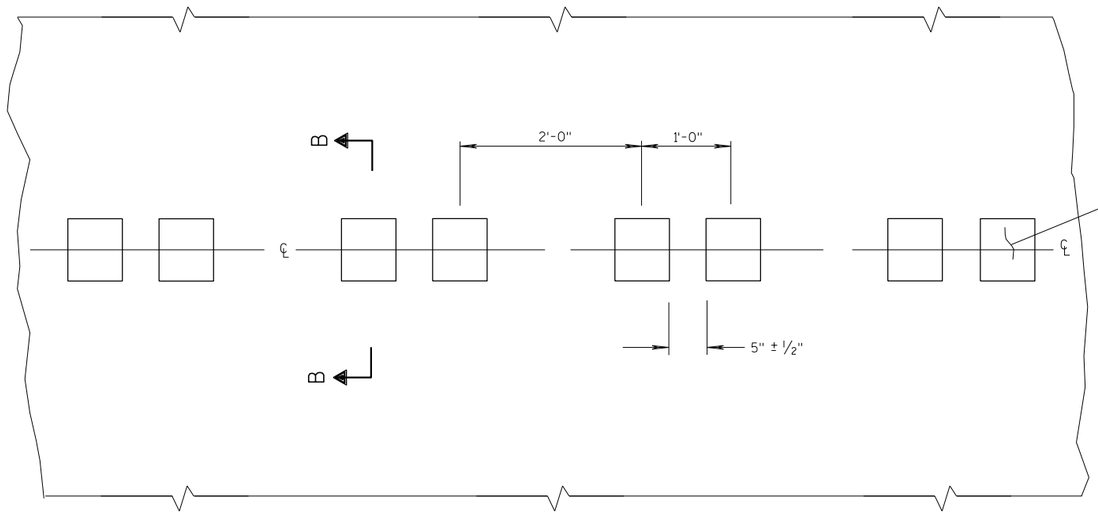
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

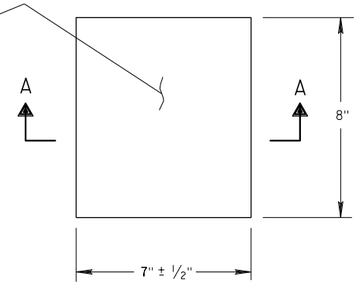
INSTALL PERMANENT MARKING EPOXY 4-INCH AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

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

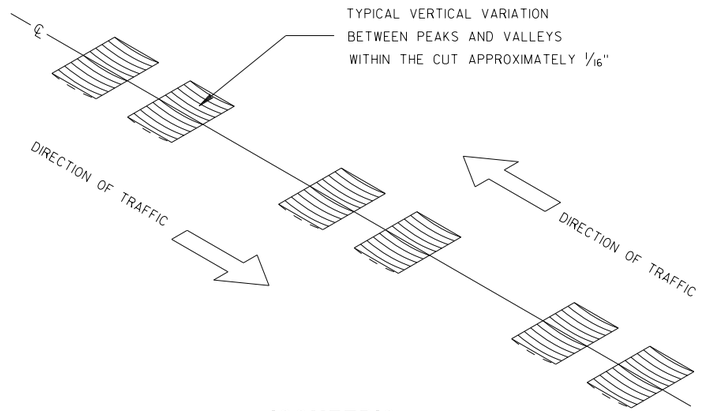


PLAN VIEW
CENTER LINE WITH GROOVES

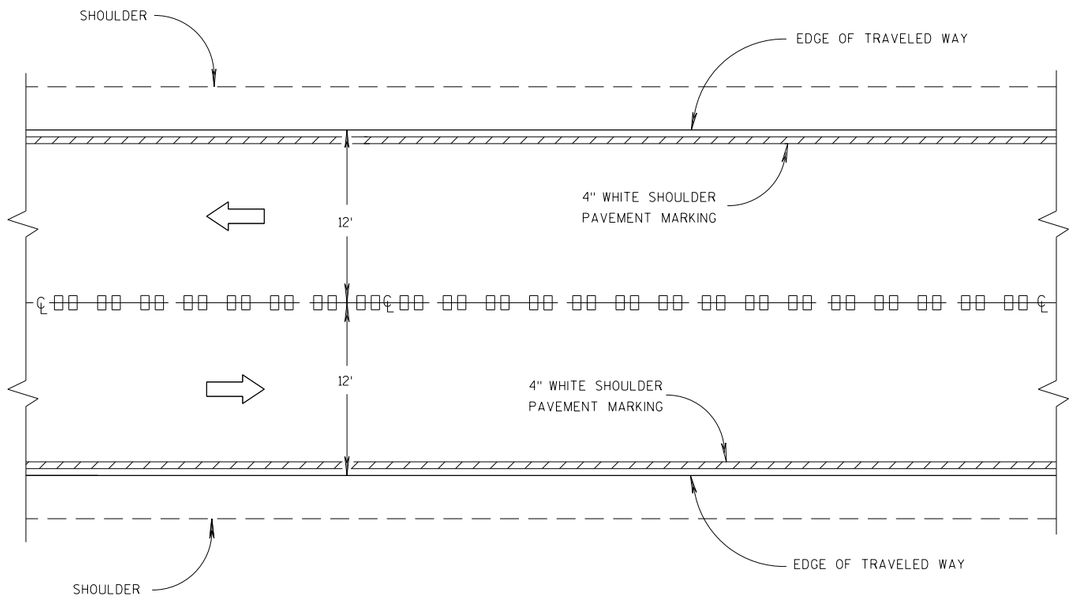


PLAN VIEW
(SINGLE GROOVE)

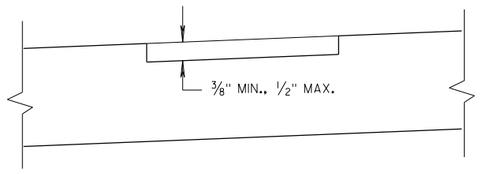
PLACEMENT DETAIL FOR MILLED RUMBLE STRIP



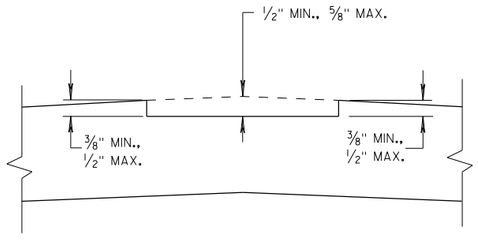
ISOMETRIC



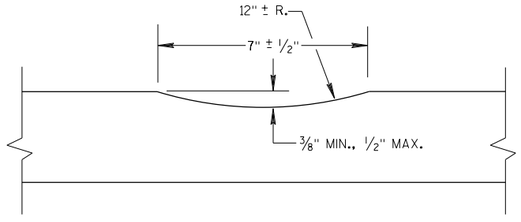
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



SECTION B-B
CROWNED ROADWAY

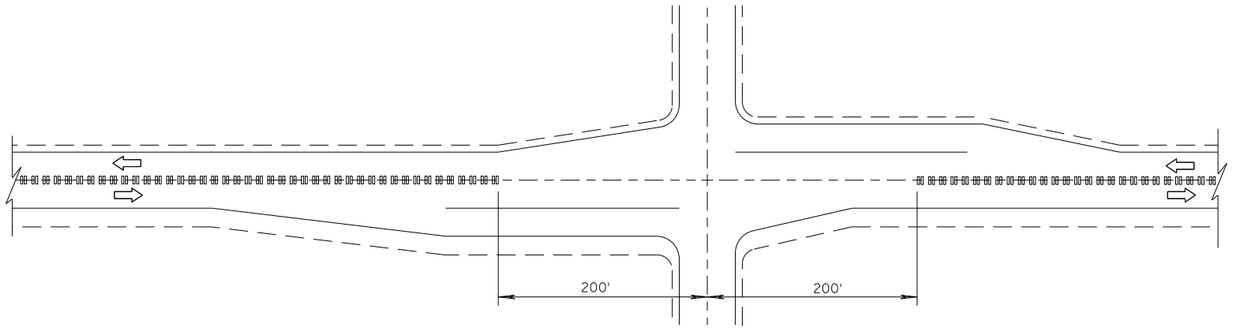


SECTION A-A

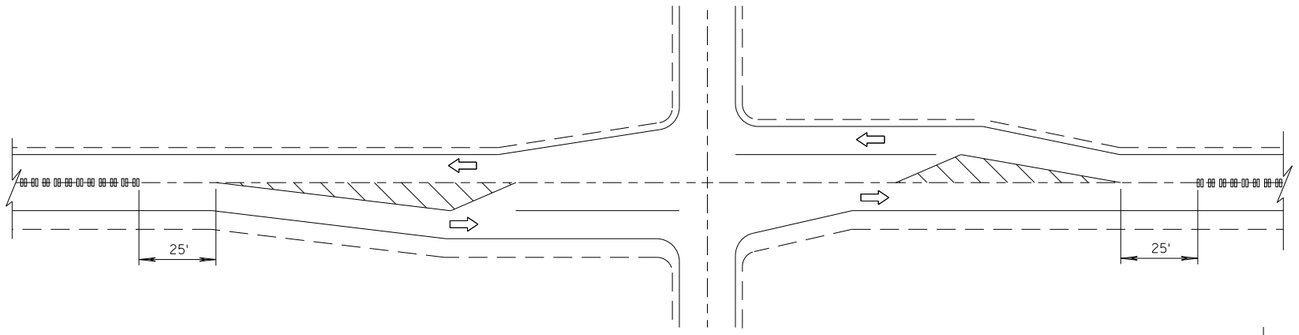
2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

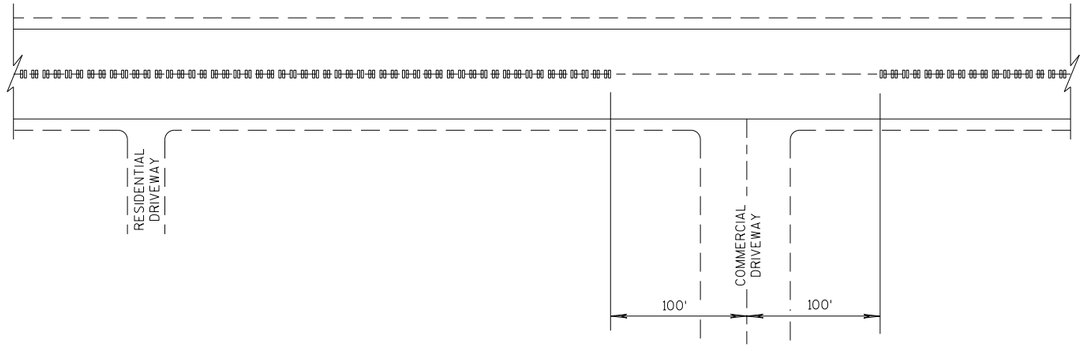
6
S.D.D. 13 A 11-3a



CENTER LINE GROOVES AT INTERSECTIONS

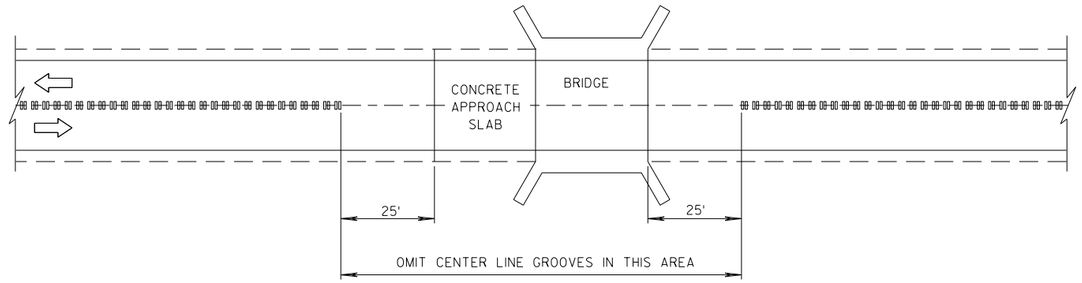


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

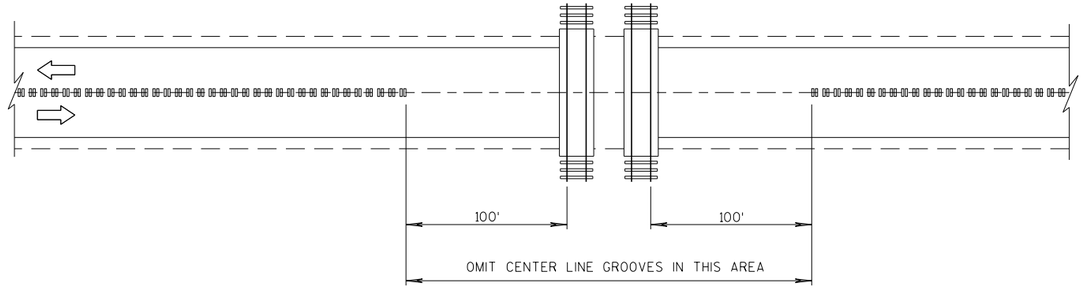


CENTER LINE GROOVES AT DRIVEWAYS (1)

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



CENTER LINE GROOVES AT BRIDGES



CENTER LINE GROOVES AT RAILROADS

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

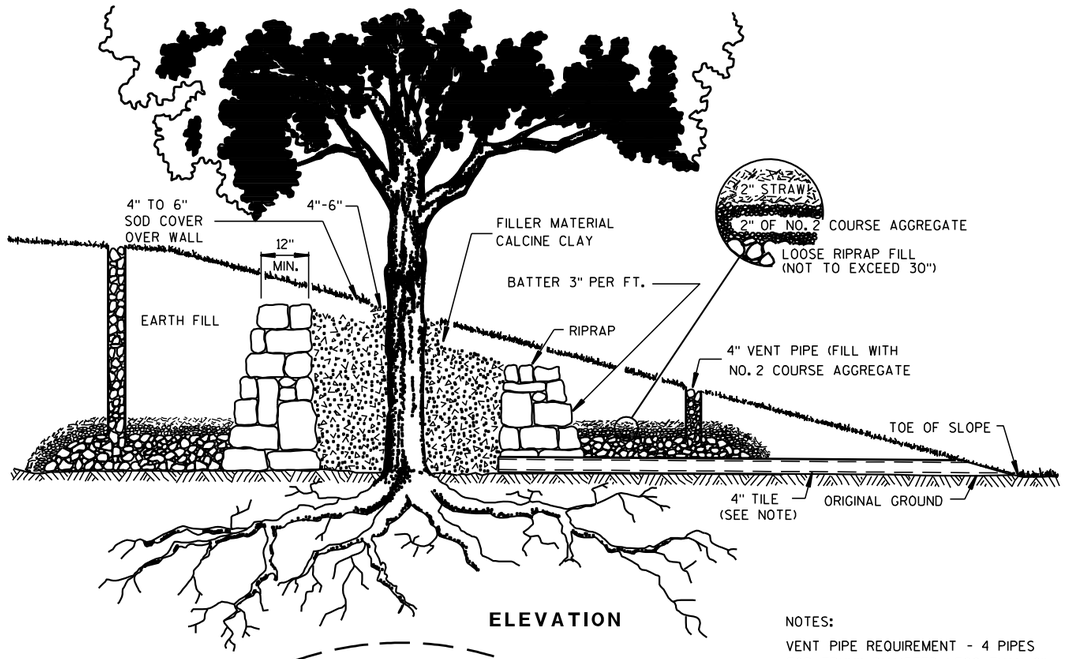
7/2018
DATE

/S/ Rodney T
ROADWAY STANDARDS DE
UNIT SUPERVISOR

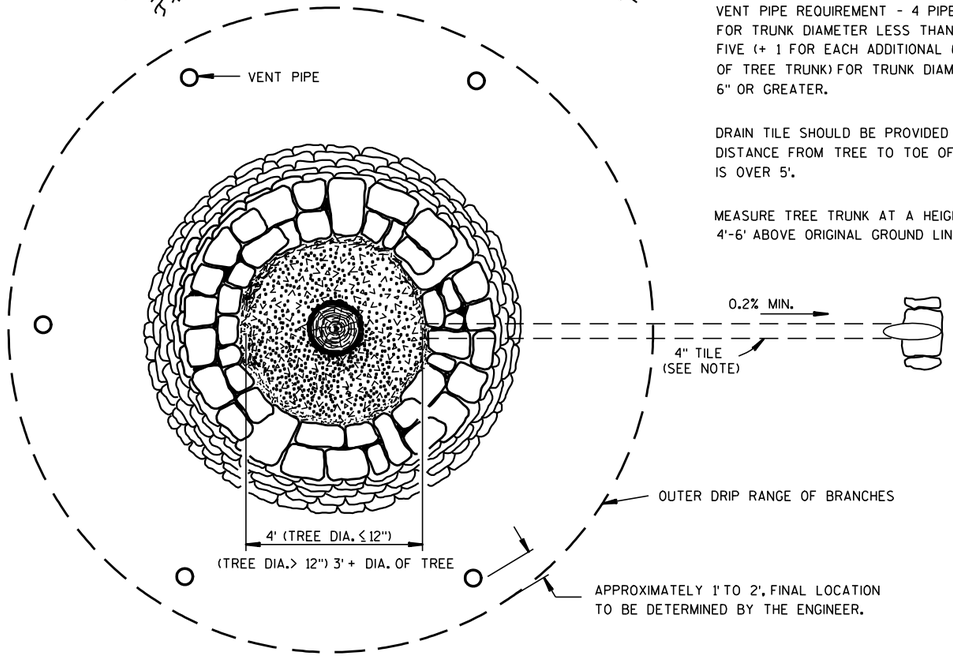
FHWA

S.D.D. 13 A 11-3b

S.D.D. 13 A 11-3b



ELEVATION



PLAN

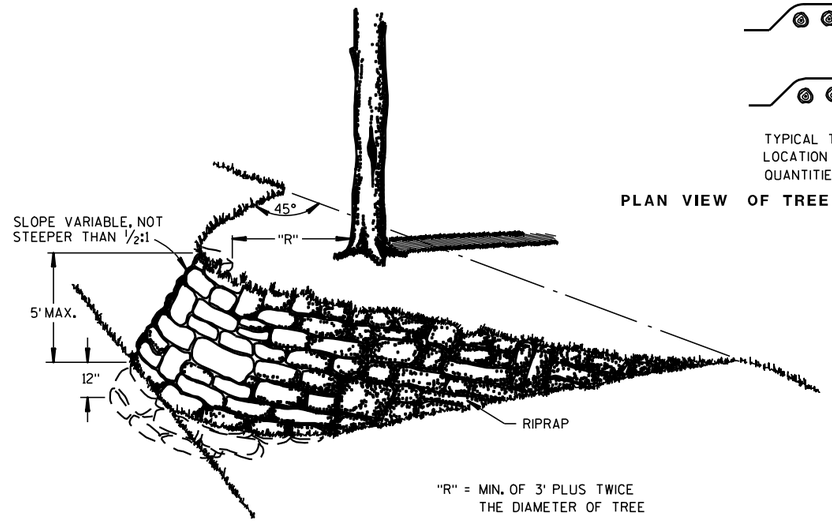
FULL TREE WELL WITH RIPRAP WALL

NOTES:

VENT PIPE REQUIREMENT - 4 PIPES FOR TRUNK DIAMETER LESS THAN 6". FIVE (+ 1 FOR EACH ADDITIONAL 6" OF TREE TRUNK) FOR TRUNK DIAMETER 6" OR GREATER.

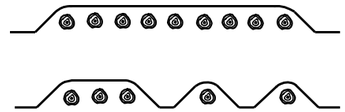
DRAIN TILE SHOULD BE PROVIDED IF DISTANCE FROM TREE TO TOE OF SLOPE IS OVER 5'.

MEASURE TREE TRUNK AT A HEIGHT 4'-6' ABOVE ORIGINAL GROUND LINE.



"R" = MIN. OF 3' PLUS TWICE THE DIAMETER OF TREE

DETAILS OF TREE ISLAND AND ROOT PROTECTION



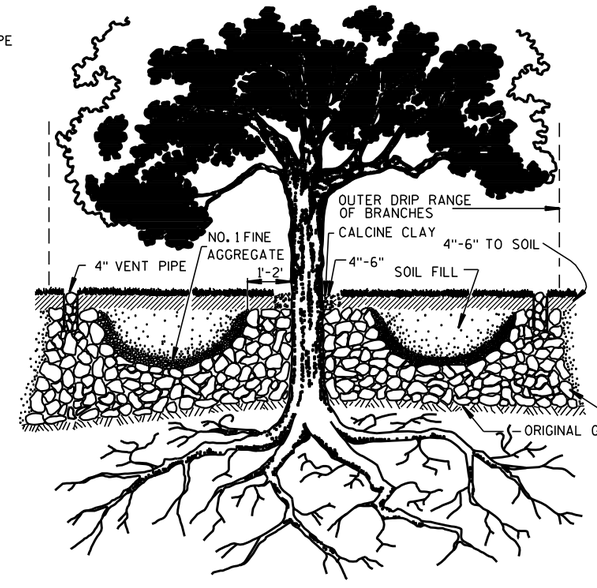
TYPICAL TREATMENTS OF ROOT PROTECTION. LOCATION SHOWN ON MISCELLANEOUS QUANTITIES SHEET.

PLAN VIEW OF TREE ISLANDS FOR ONE OR MORE TREES

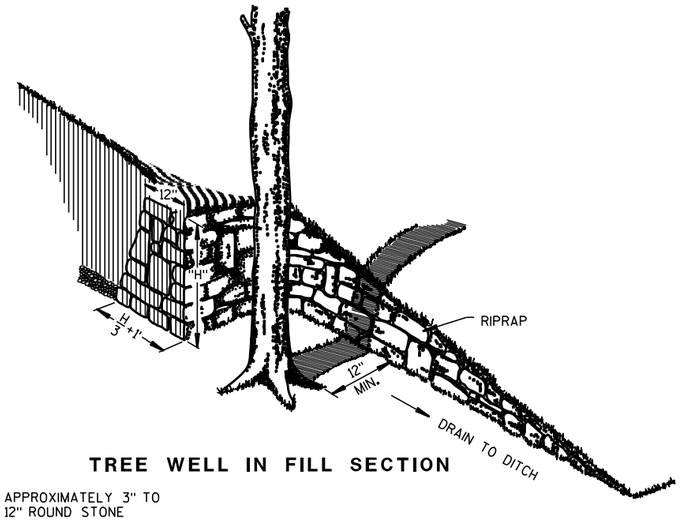
GENERAL NOTES

WALLS TO BE BUILT TO APPROXIMATE SHAPE AND DIMENSIONS SHOWN. STONE TO CONFORM TO SPECIFICATIONS FOR RIPRAP.

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



TREE WELL WITHOUT WALL



TREE WELL IN FILL SECTION

DETAILS FOR TREE WELLS

TREE PRESERVATION DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/25/76 DATE

/S/ D. L. Strand STATE DESIGN ENGINEER

FHWA

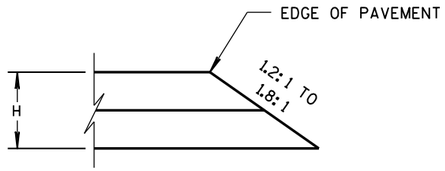
380 WYS

6

S.D.D. 14 A 1-3

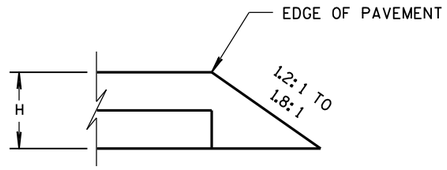
6

S.D.D. 14 A 1-3



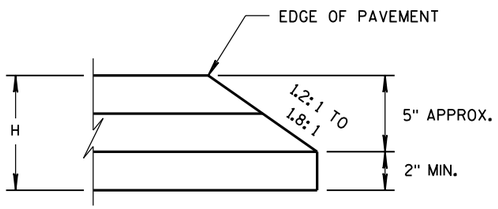
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



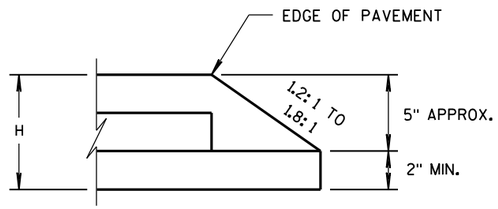
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

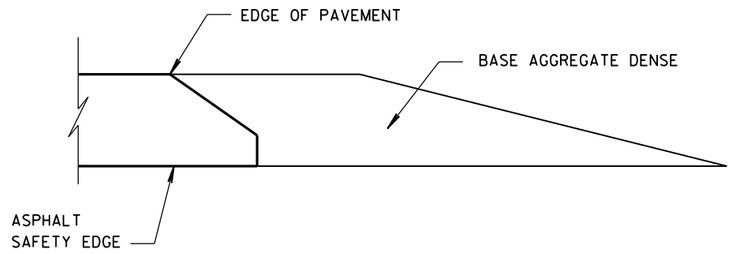
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

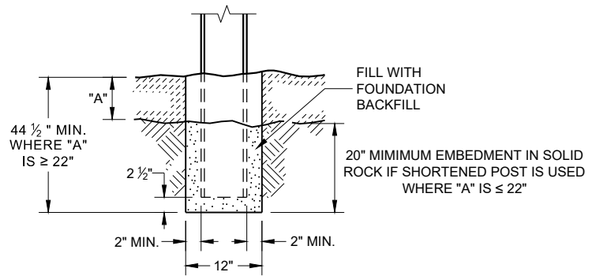
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

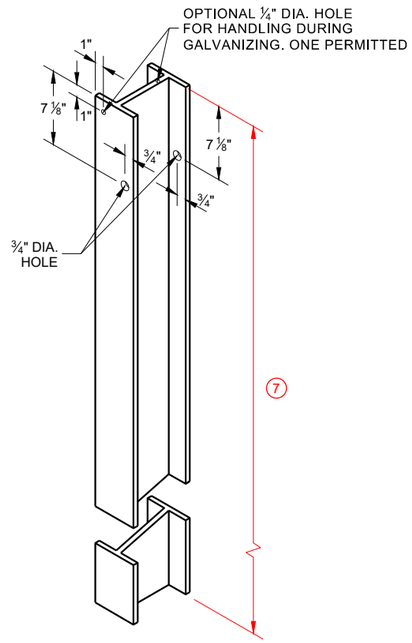
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

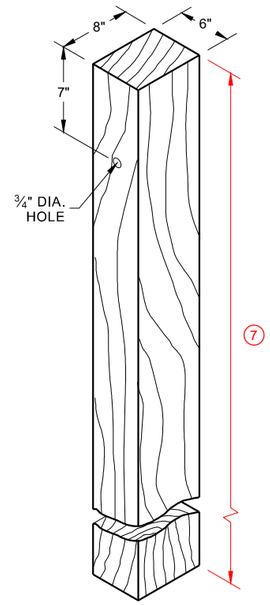
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



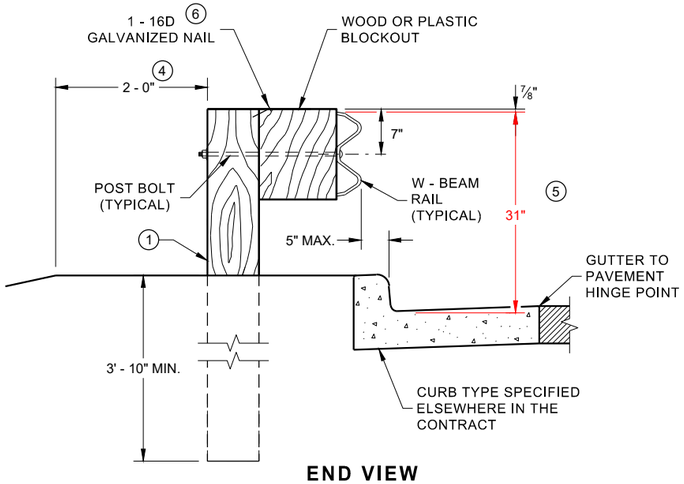
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



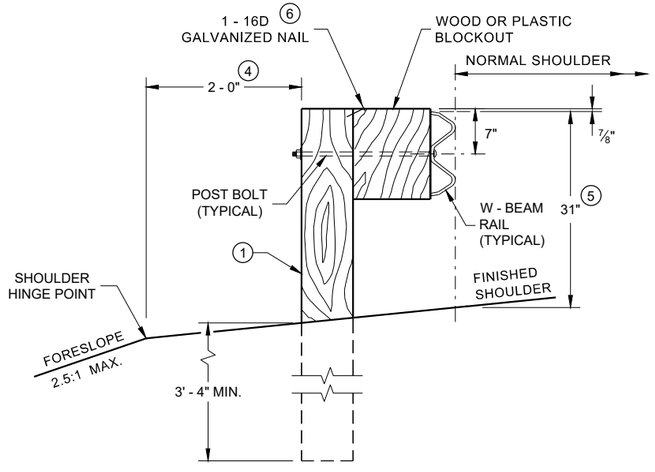
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



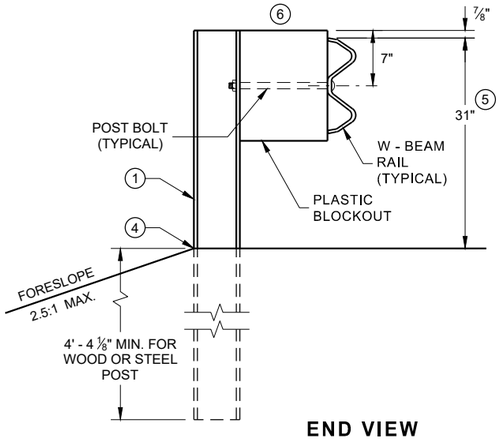
WOOD POST (6" X 8") NOMINAL (1)



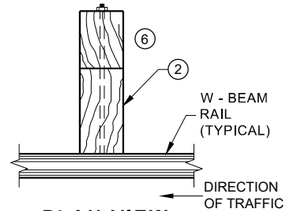
END VIEW
LOCATED ALONG A CURBED ROADWAY



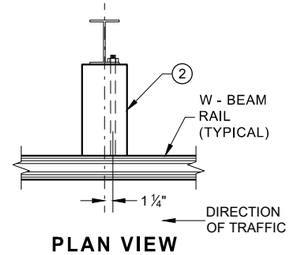
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



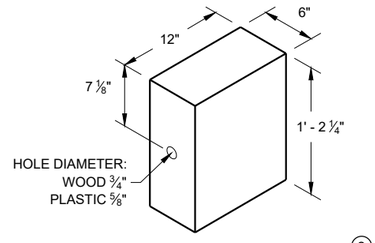
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



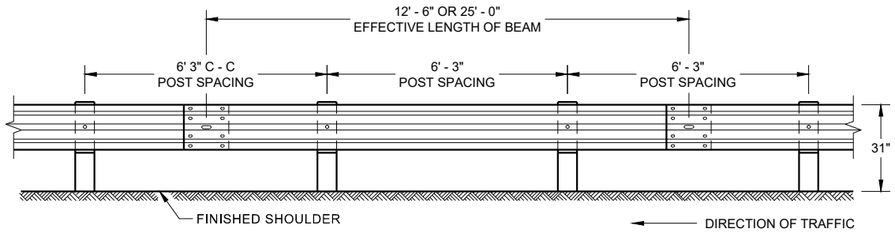
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

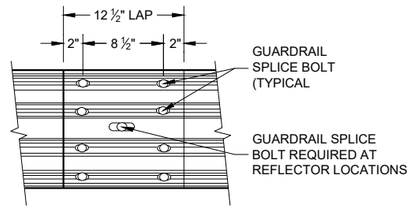
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 06a

6
SDD 14B42 - 06a



FRONT VIEW
POST SPACING STANDARD INSTALLATION



FRONT VIEW
MID-SPAN BEAM SPLICE

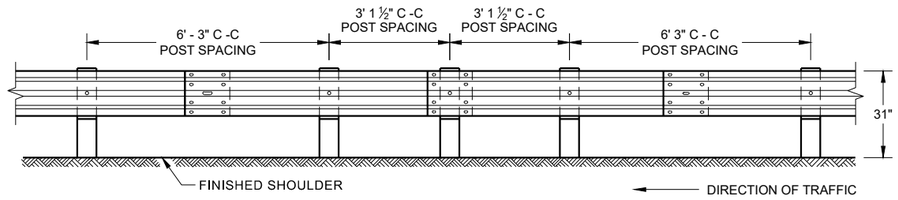
GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.

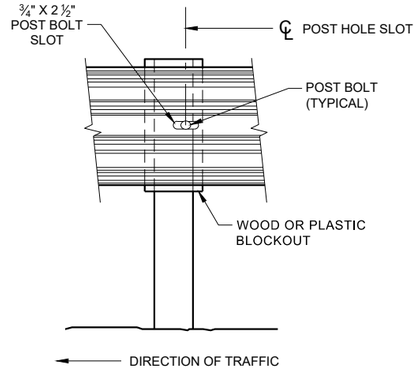
(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ¾" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

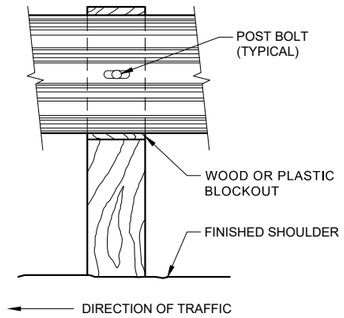
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



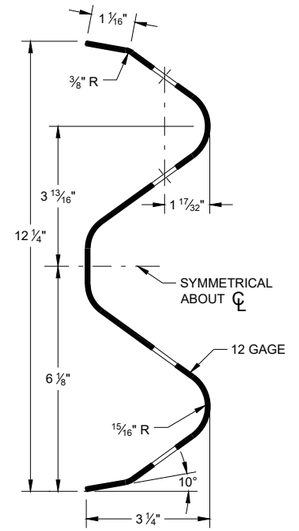
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



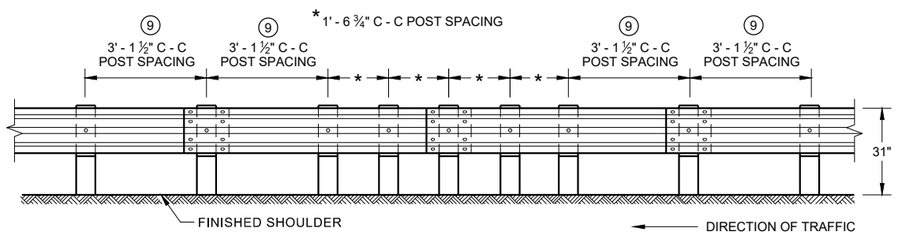
FRONT VIEW AT STEEL POST



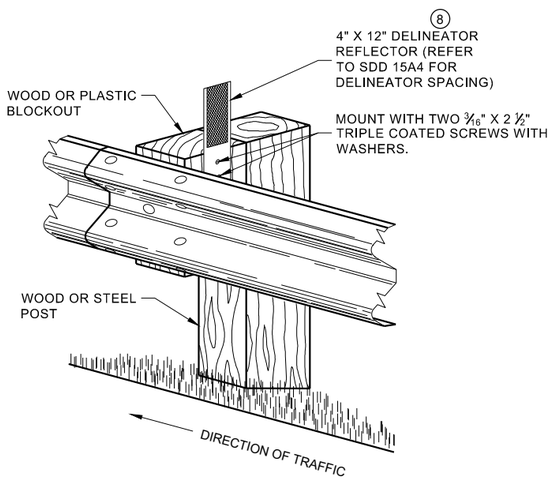
FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



FRONT VIEW
QUARTER POST SPACING (QS)



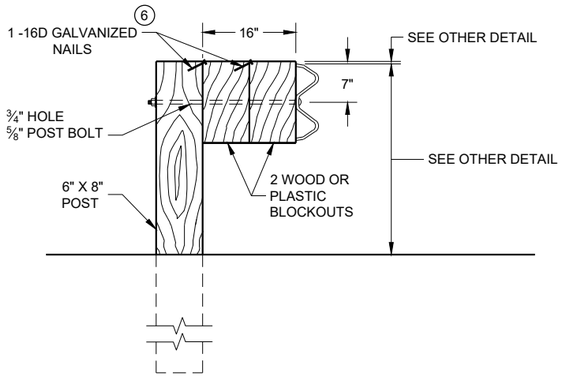
ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

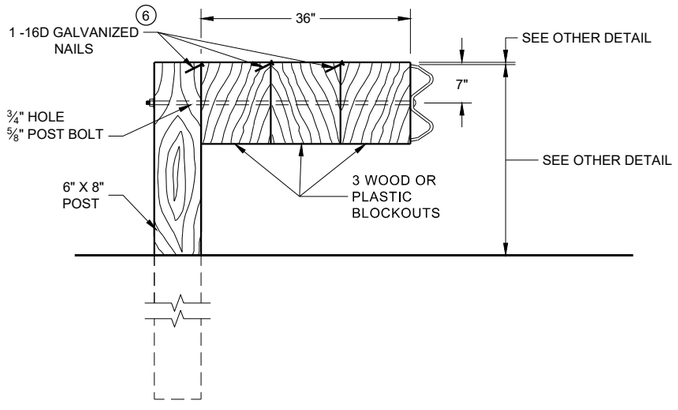
6

SDD 14B42 - 06b



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



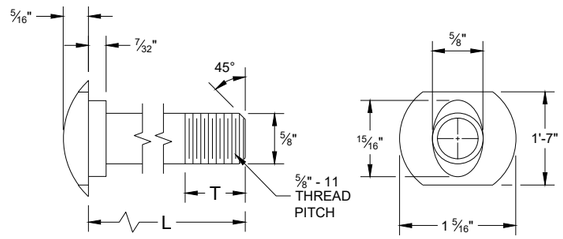
DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

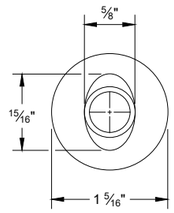
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

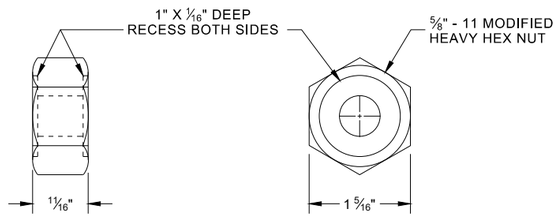


POST BOLT TABLE

L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"

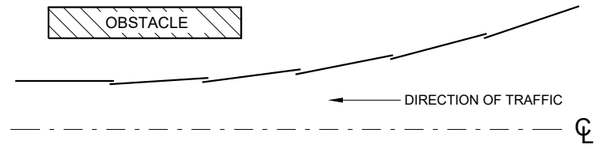


ALTERNATE BOLT HEAD

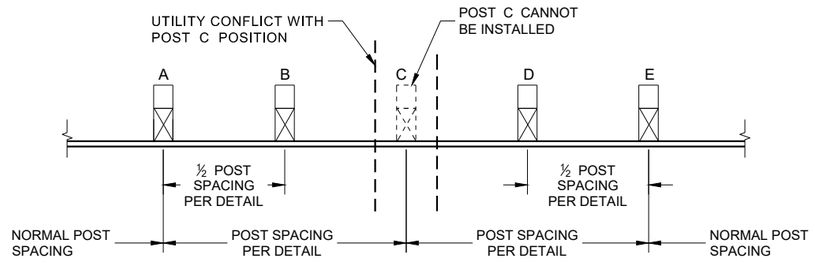


POST BOLT, SPLICE BOLT AND RECESS NUT

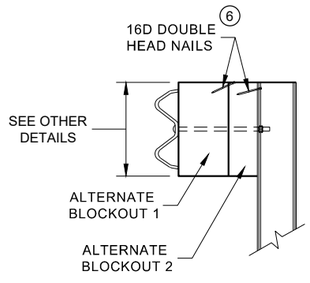
(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



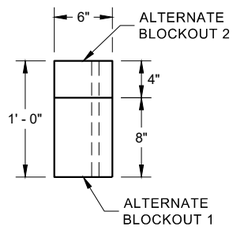
PLAN VIEW
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

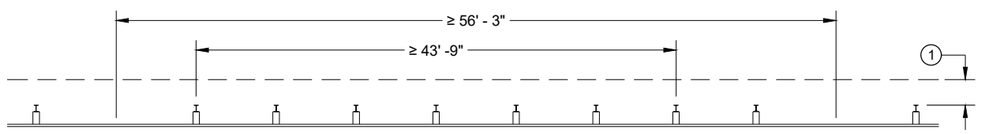
SDD 14B42 - 06c

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

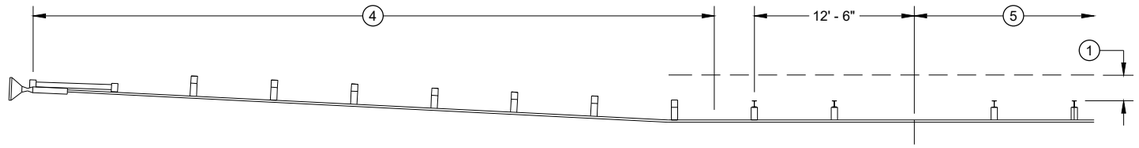
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 06c

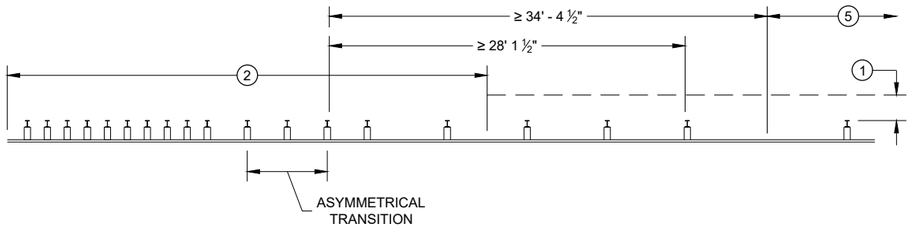
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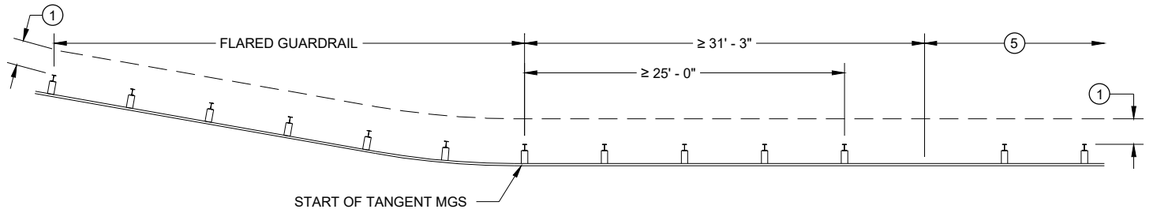
MISSING POST IN NORMAL BEAM GUARD RUN



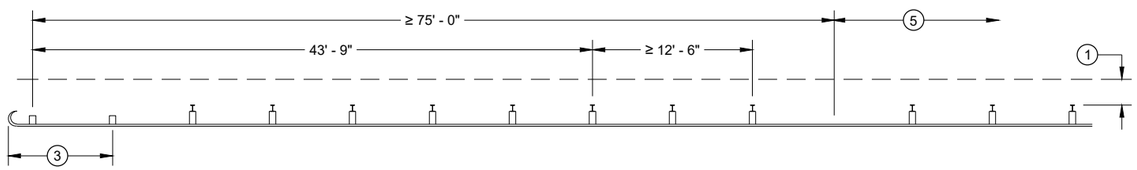
MISSING POST IN NORMAL BEAM GUARD RUN NEAR EAT



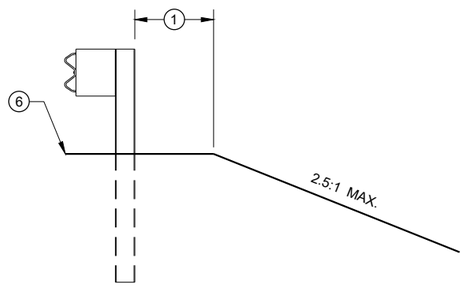
MISSING POST NEAR APPROACH THRIE BEAM TRANSITION



MISSING POST IN NORMAL BEAM GUARD RUN NEAR FLARED BEAM GUARD



MISSING POST IN NORMAL BEAM GUARD RUN NEAR TYPE 2 TERMINAL



CROSS SECTION VIEW

1. MINIMUM OF 2 FEET OF GRADING BEHIND POST.
2. SEE SDD 14B45 FOR MORE DETAILS.
3. SEE SDD 14B47 FOR MORE DETAILS.
4. SEE SDD 14B44 FOR MORE DETAILS.
5. SEE MISSING POST IN NORMAL BEAM GUARD RUN FOR DISTANCE TO NEXT MISSING POST AND AREA FOR WELL DRAINED, COMPACTED SOILS.
6. SEE PLAN FOR SHOULDER DESIGN.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

6

SDD 14B42 - 06d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

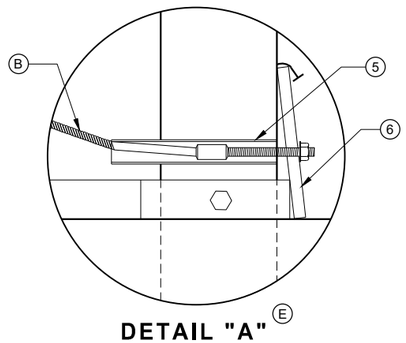
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

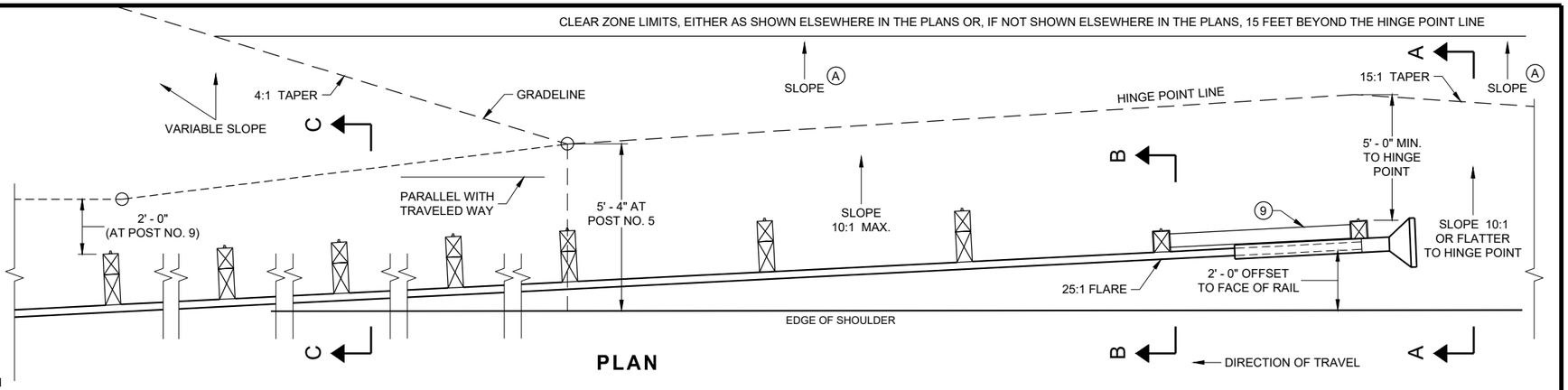
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

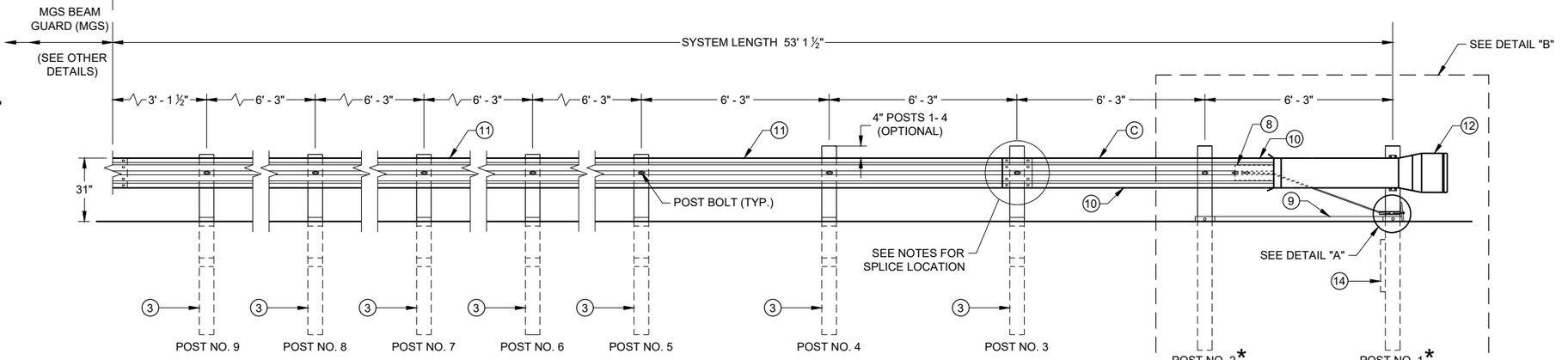
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



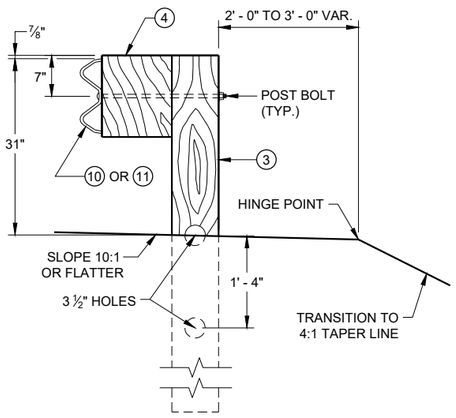
DETAIL "A" (E)



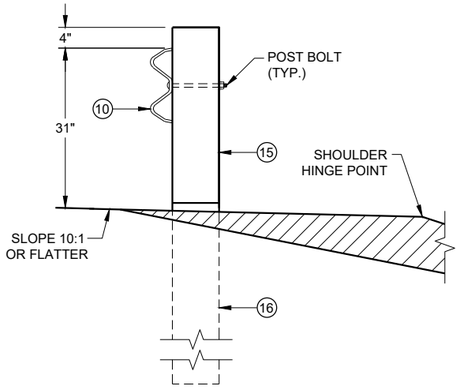
PLAN



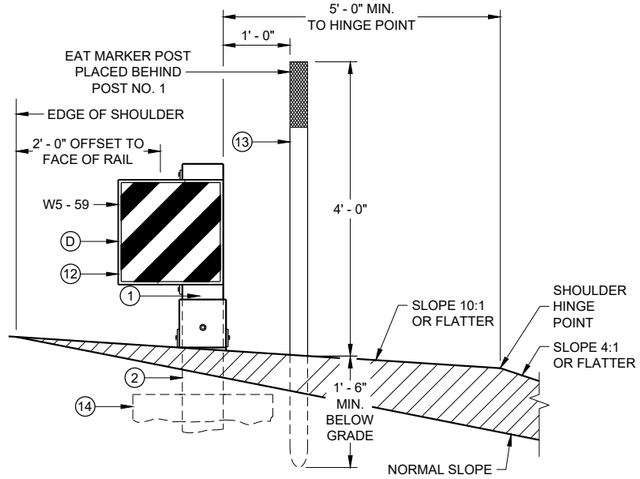
ELEVATION



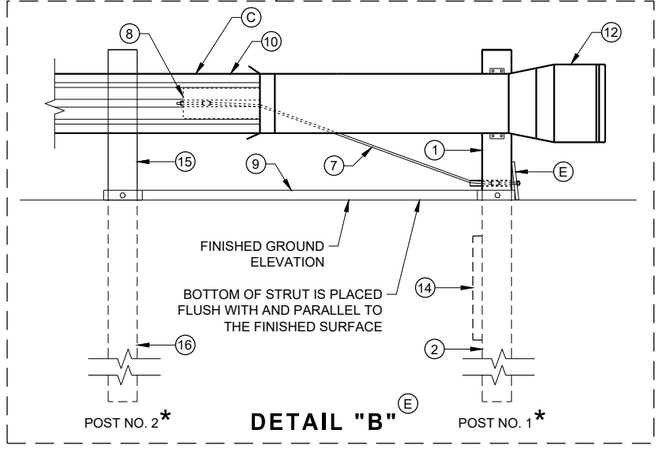
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



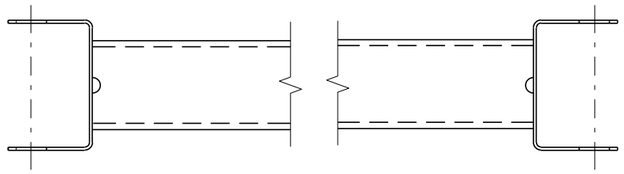
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

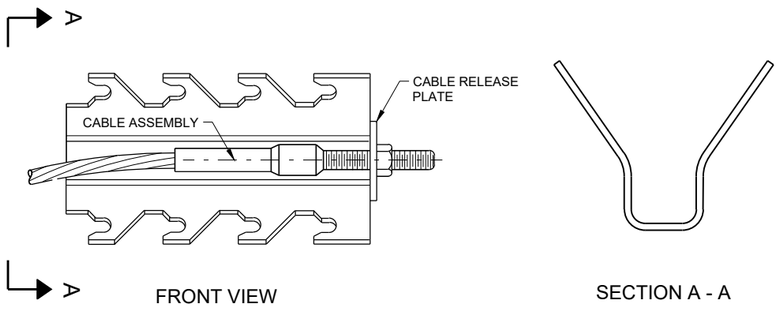
SDD 14B44 - 04a



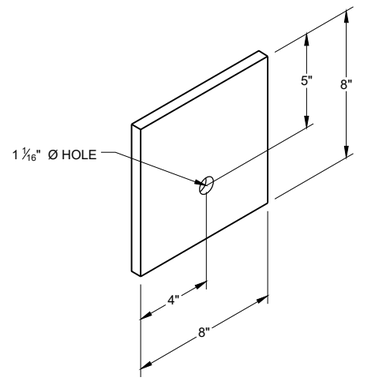
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

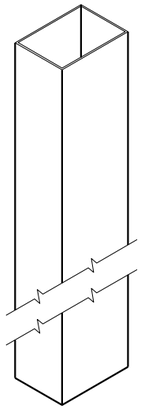
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SDD 14B45 - 04b

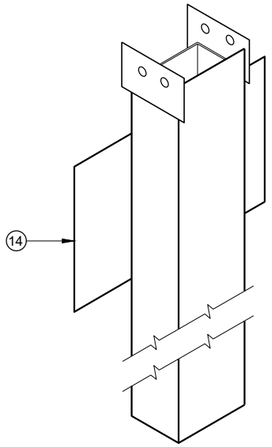
SDD 14B45 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

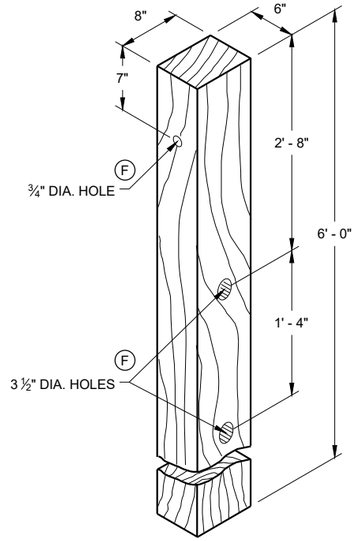
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



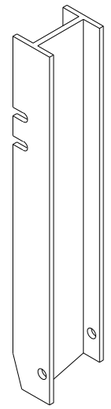
UPPER POST NO. 1 (1) (E)



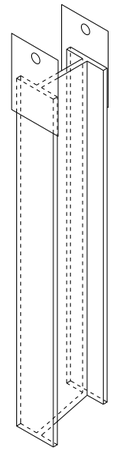
LOWER POST NO. 1 (2) (E)



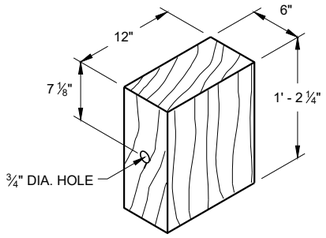
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



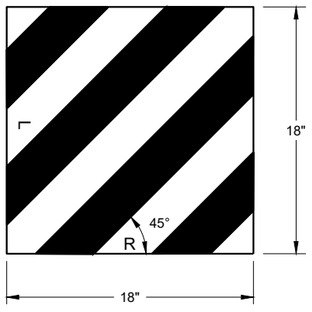
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

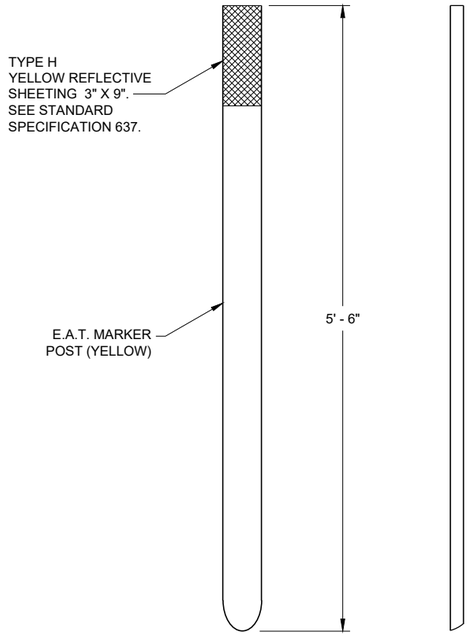


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



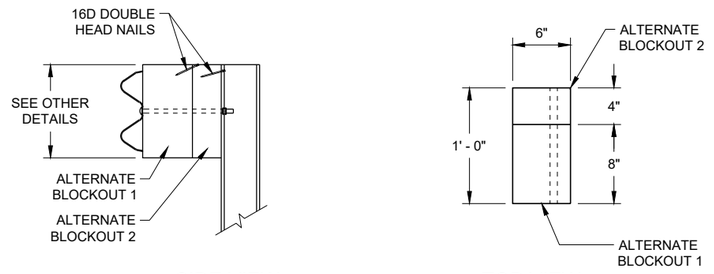
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

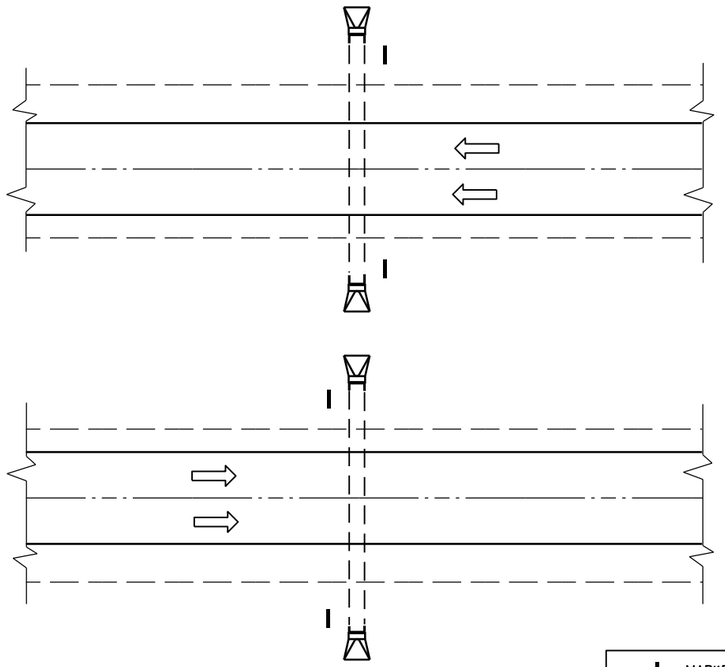
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

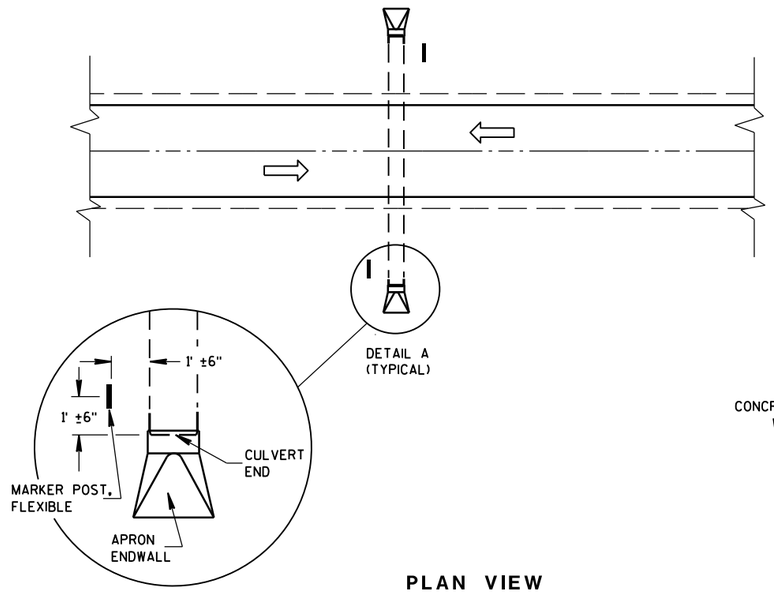
6

SDD 14B44 - 04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

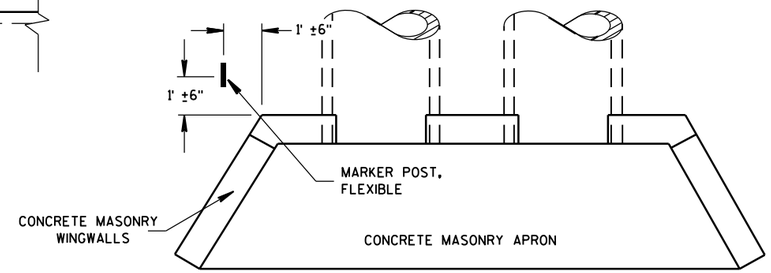
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

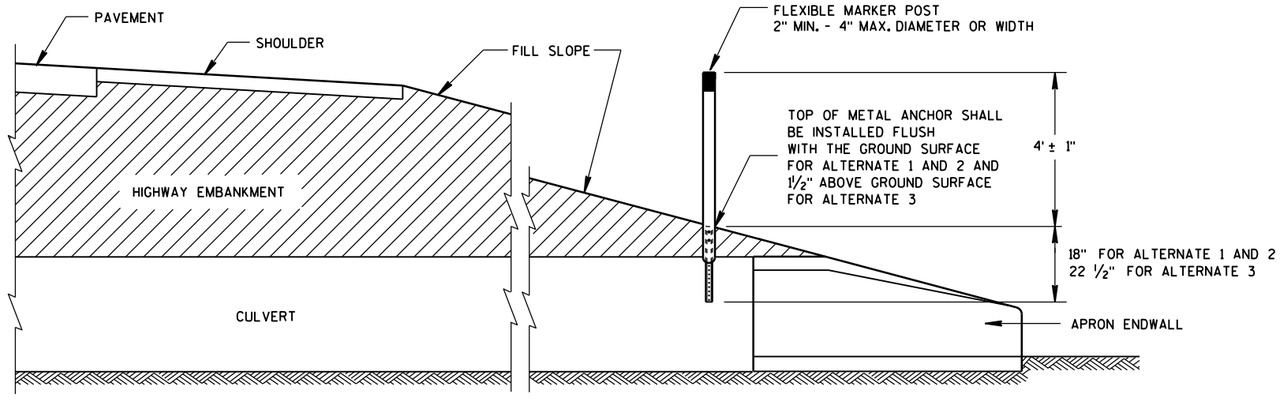
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

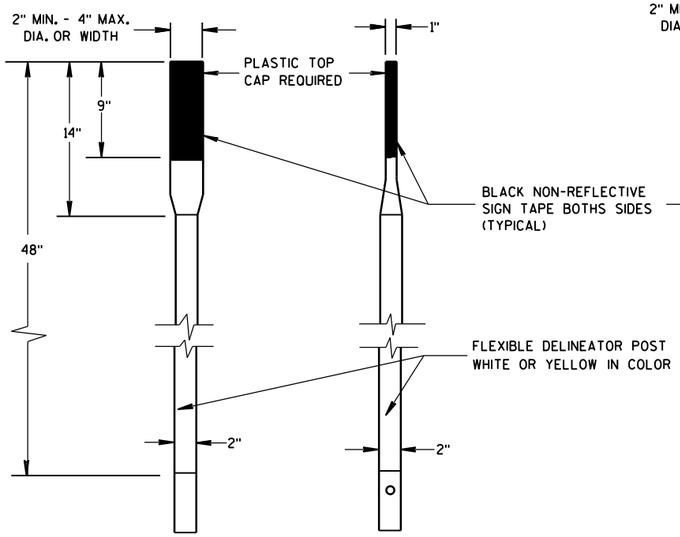
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

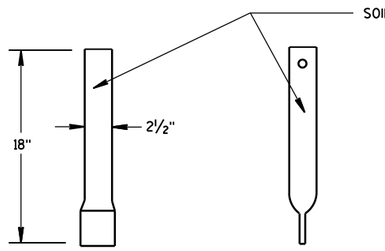
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S.D.D. 15 A 3-2a

6

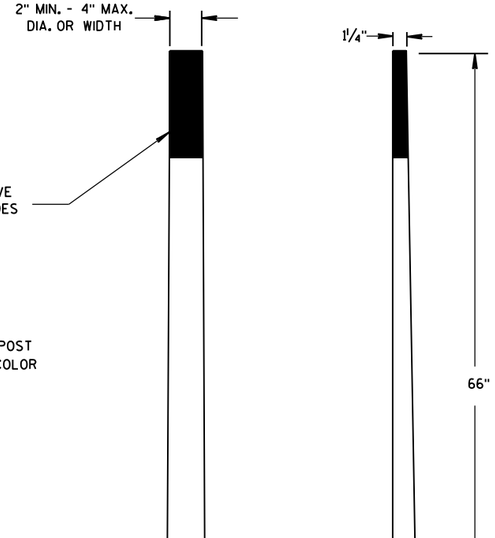
S.D.D. 15 A 3-2a





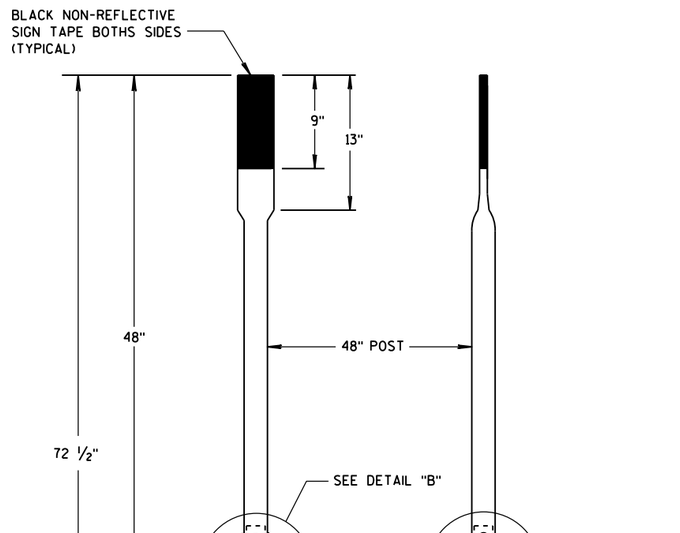
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

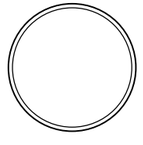
ALTERNATE 2



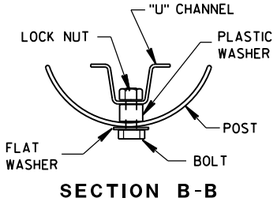
FRONT VIEW SIDE VIEW

ALTERNATE 3

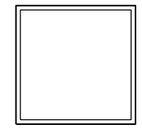
FLEXIBLE MARKER POSTS



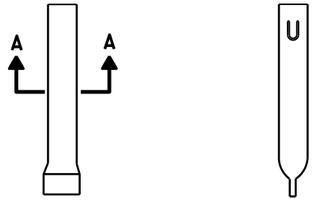
SECTION A-A



SECTION B-B

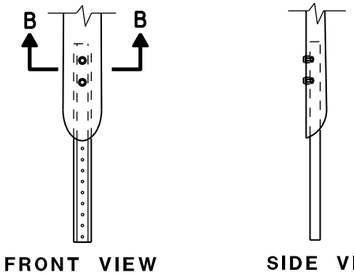


SECTION C-C



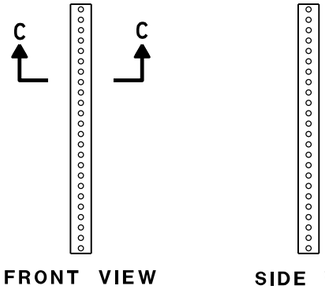
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

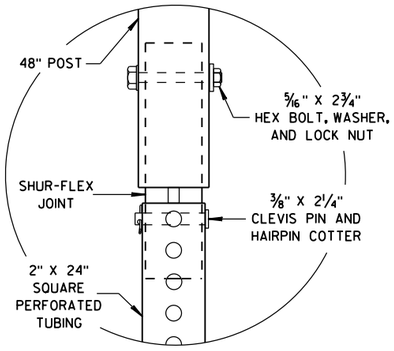
ALTERNATE 2



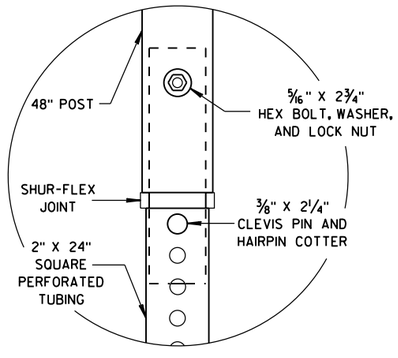
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

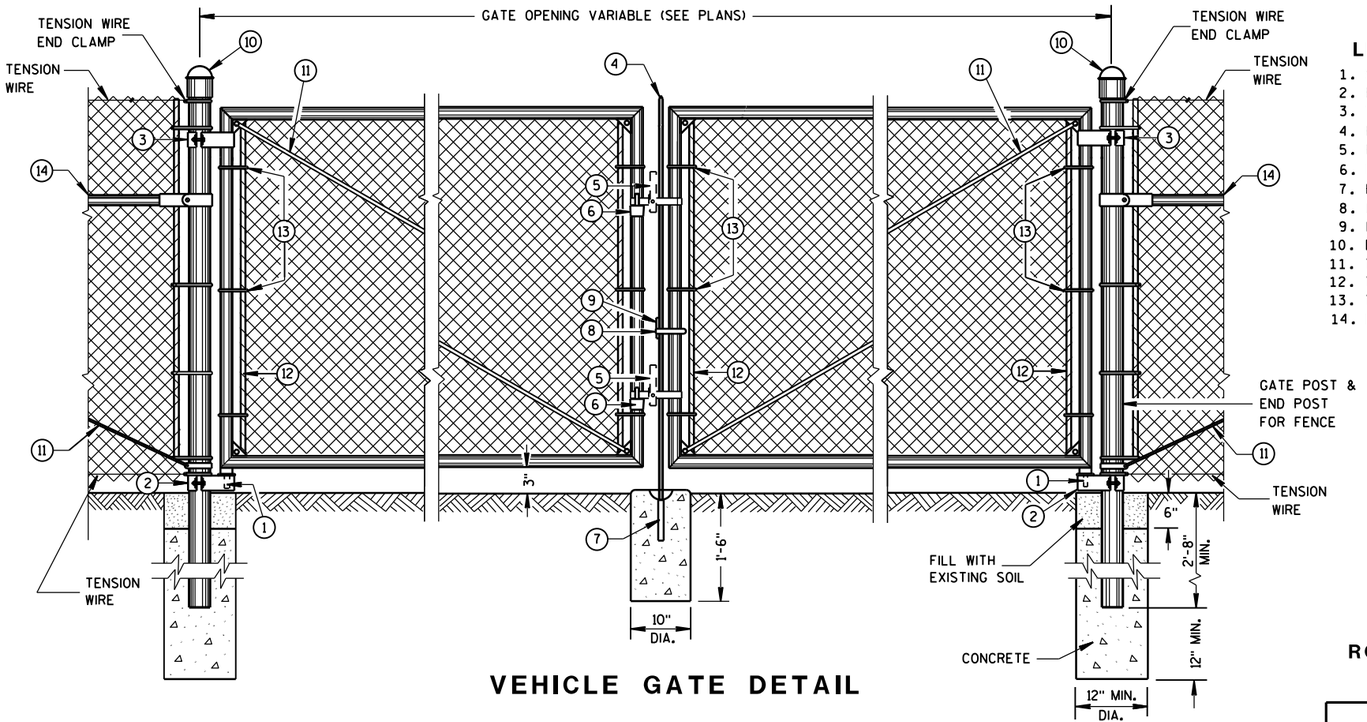
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

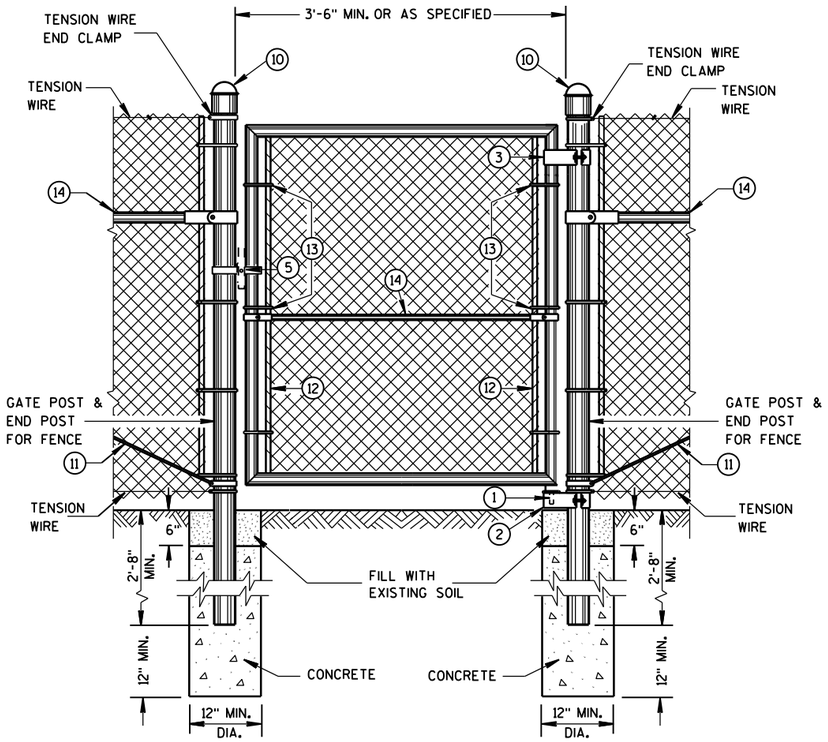
S.D.D. 15 A 3-2b

6

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



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

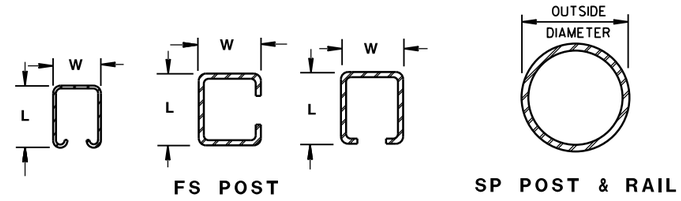
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST — SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

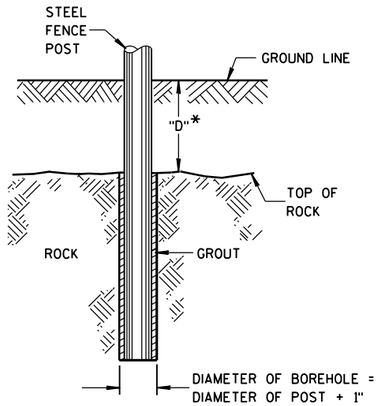
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 B 3-15a

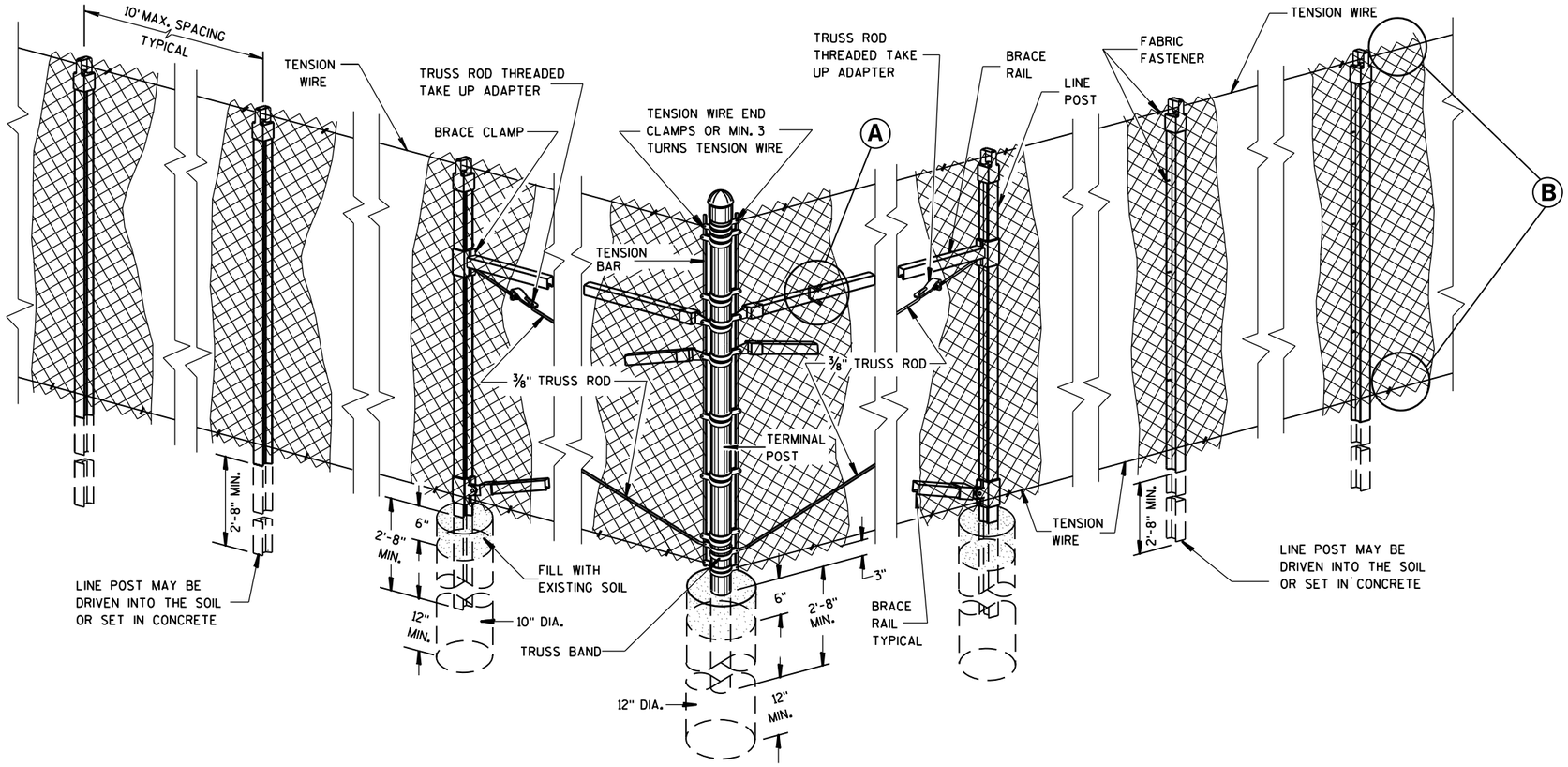
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S.D.D. 15 B 3-15a

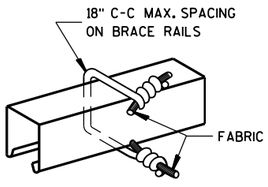


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



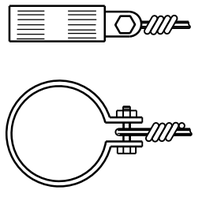
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



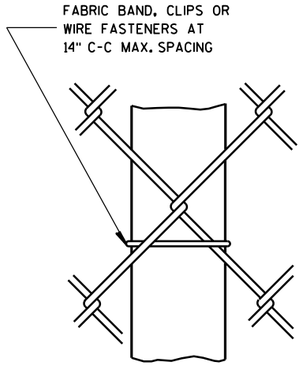
BRACE RAIL

FABRIC FASTENER

Ⓐ



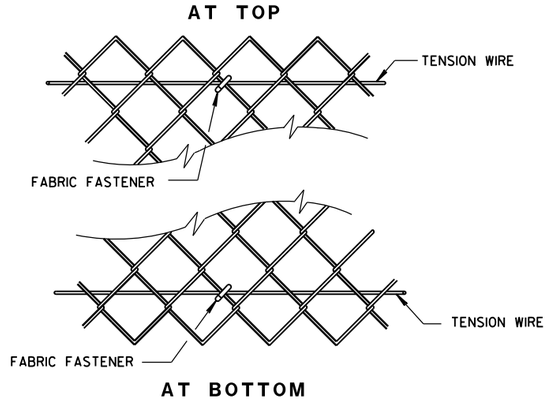
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEB. 2015 DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

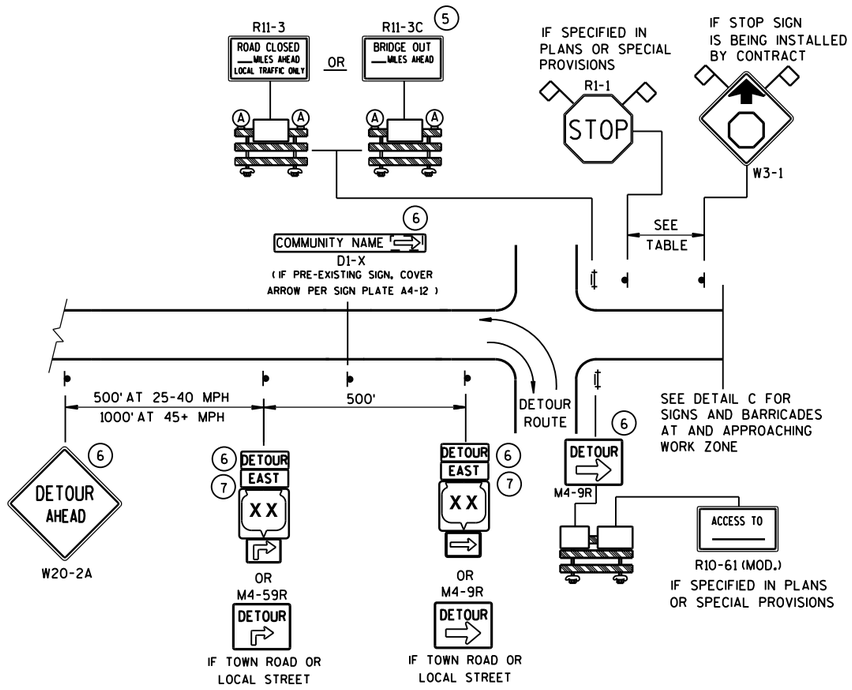
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S.D.D. 15 B 3-15b

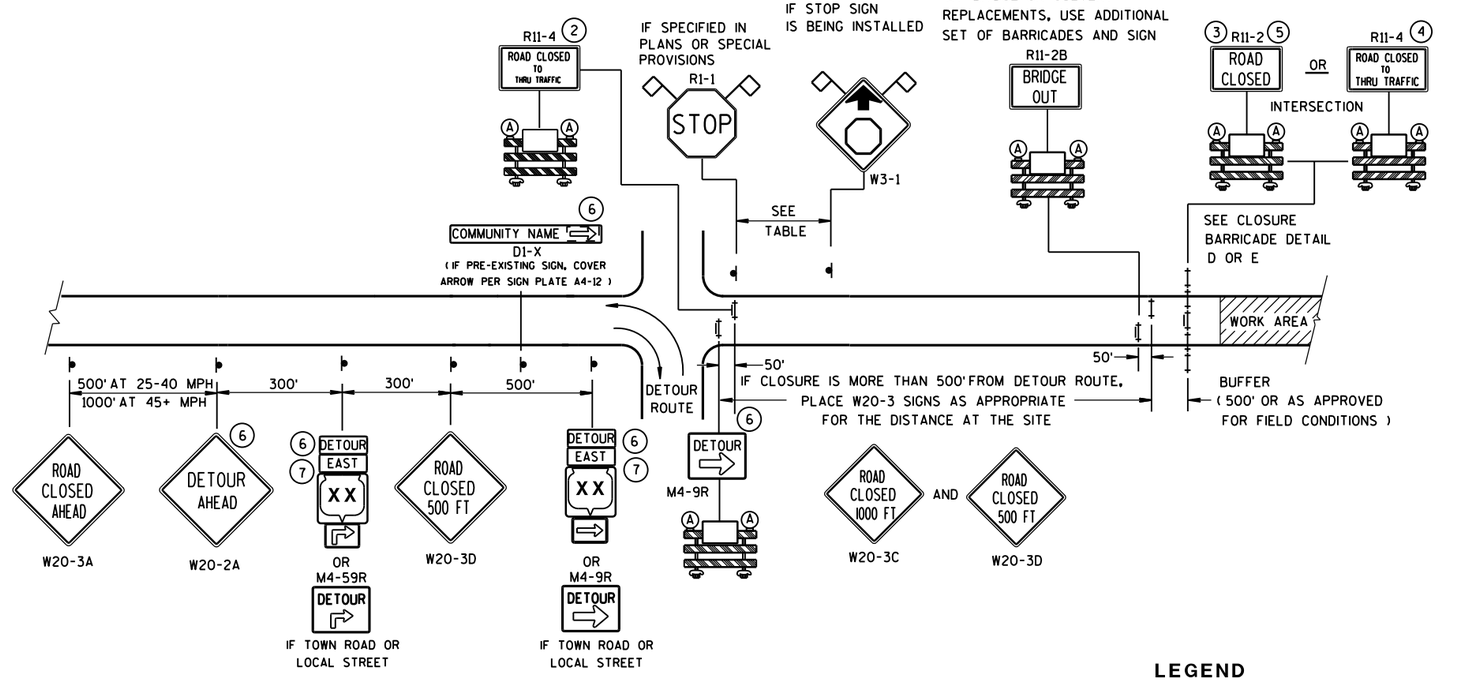
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S.D.D. 15 B 3-15b



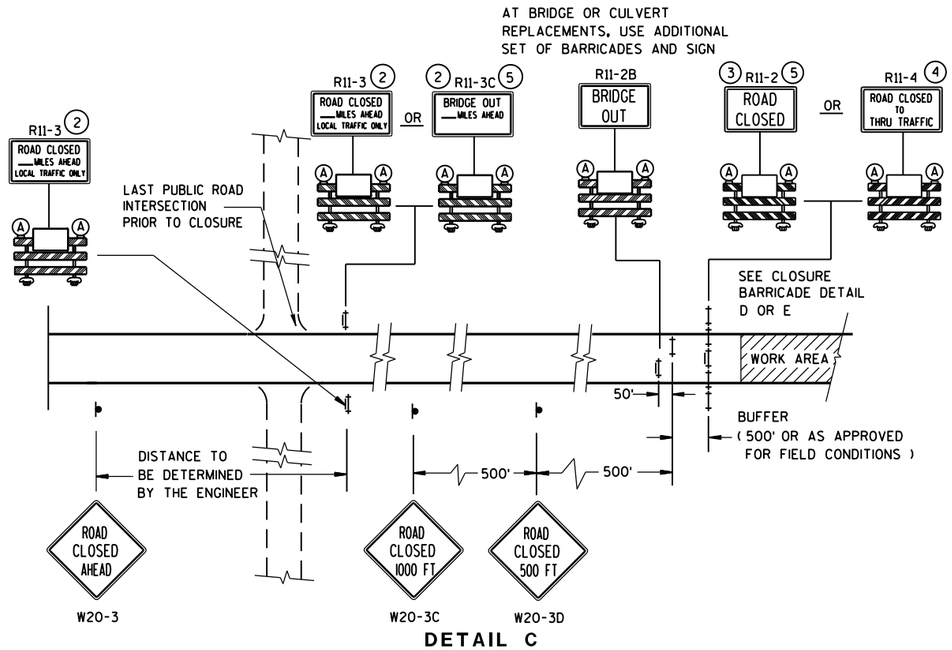
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

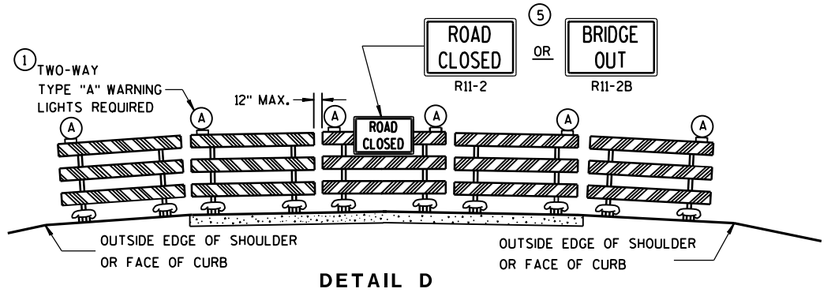
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

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S.D.D. 15 C 2-6a

6

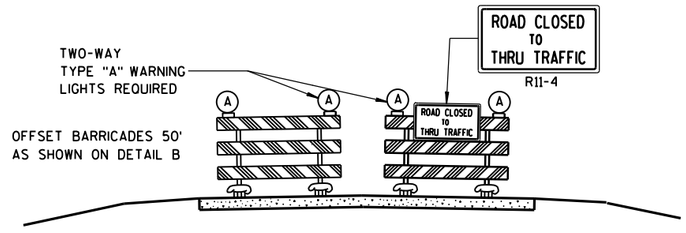
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (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

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI
FHWA

6

S.D.D. 15 C 2-6b

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.

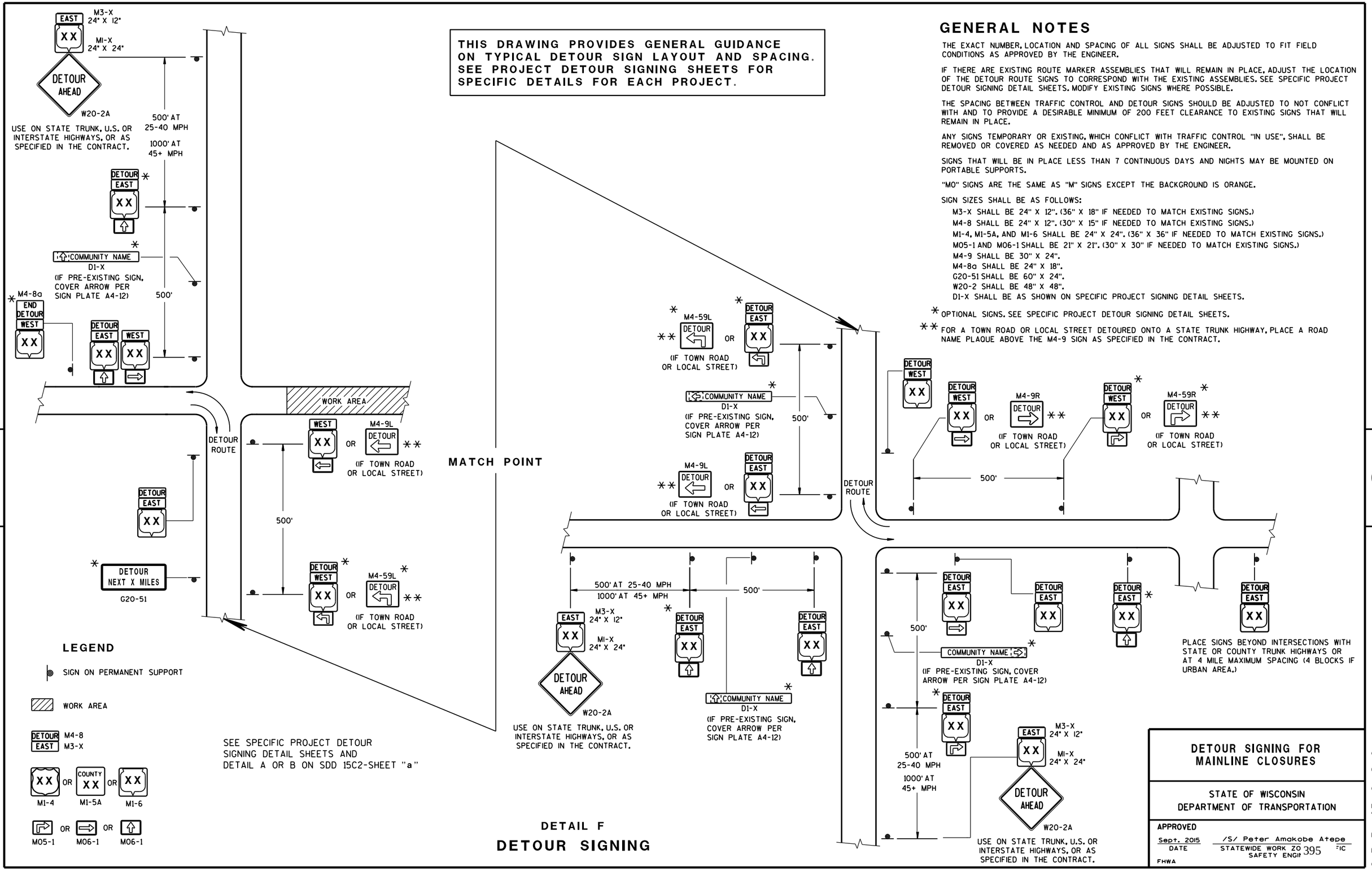
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- 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.)
- MO5-1 AND MO6-1 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.



DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

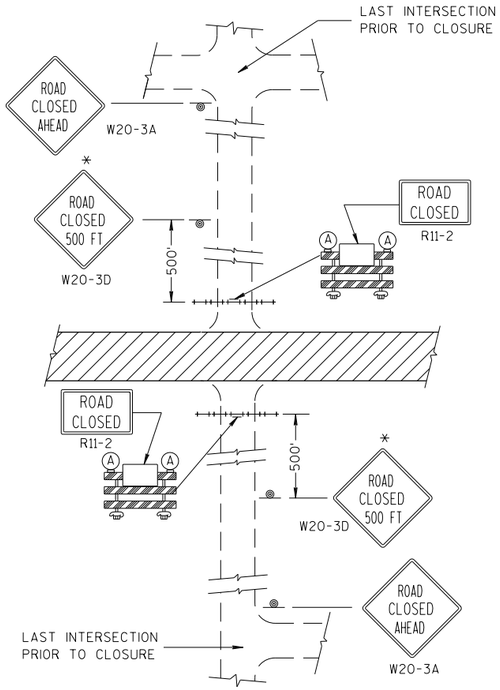
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... FIC

FHWA

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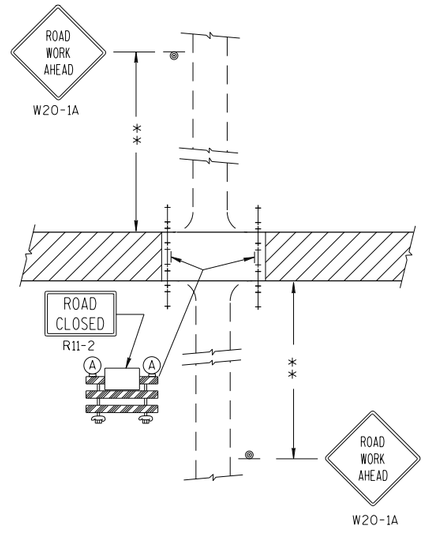
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S.D.D. 15 C 2-6c



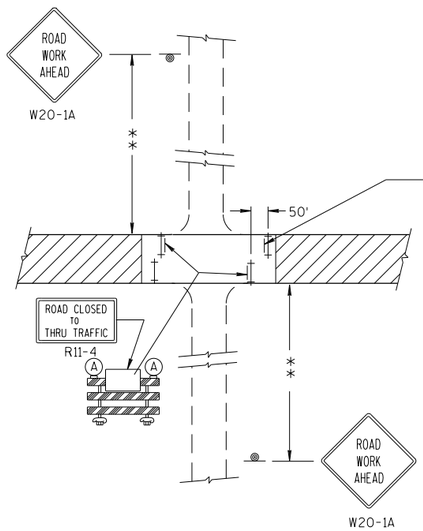
DETAIL 1

(NO ACCESS TO PROJECT)



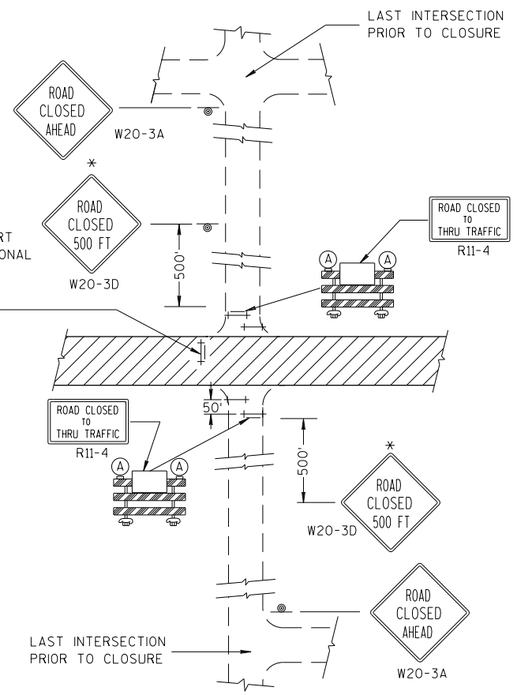
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR,
LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

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 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

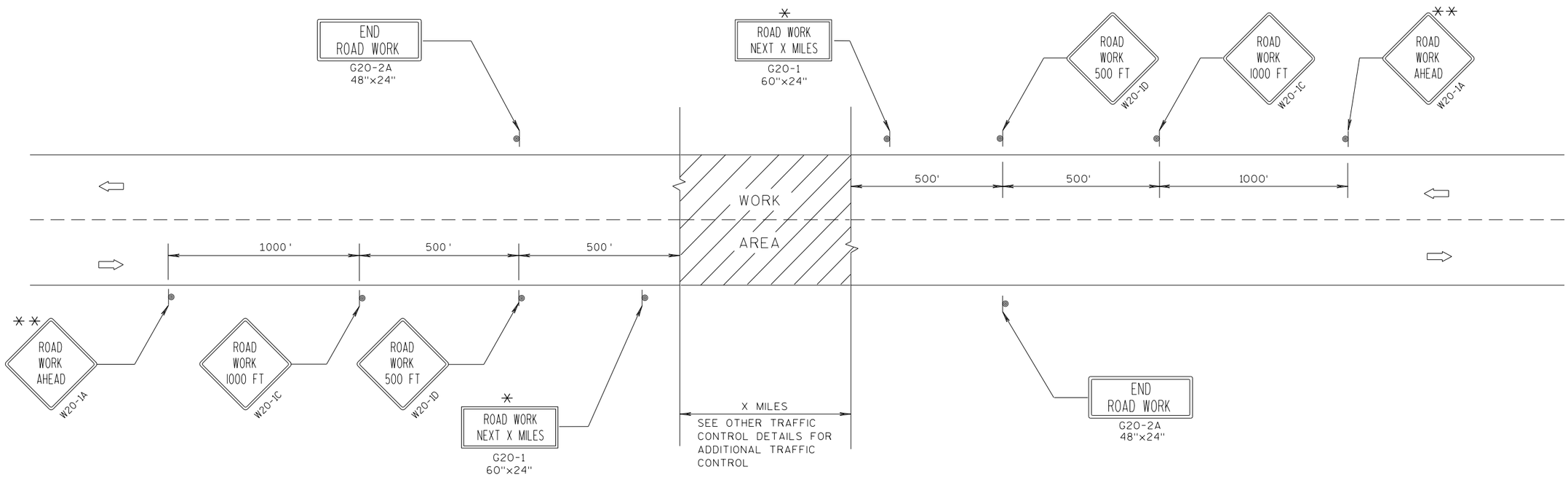
/S/ Andrew Heidtke
WORK ZONE ENGI

FHWA

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S.D.D. 15 C 3-5

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 MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

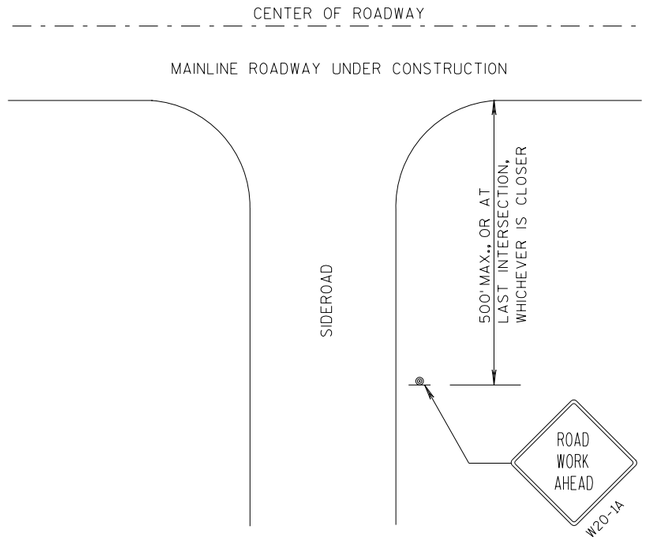
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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.

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

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



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

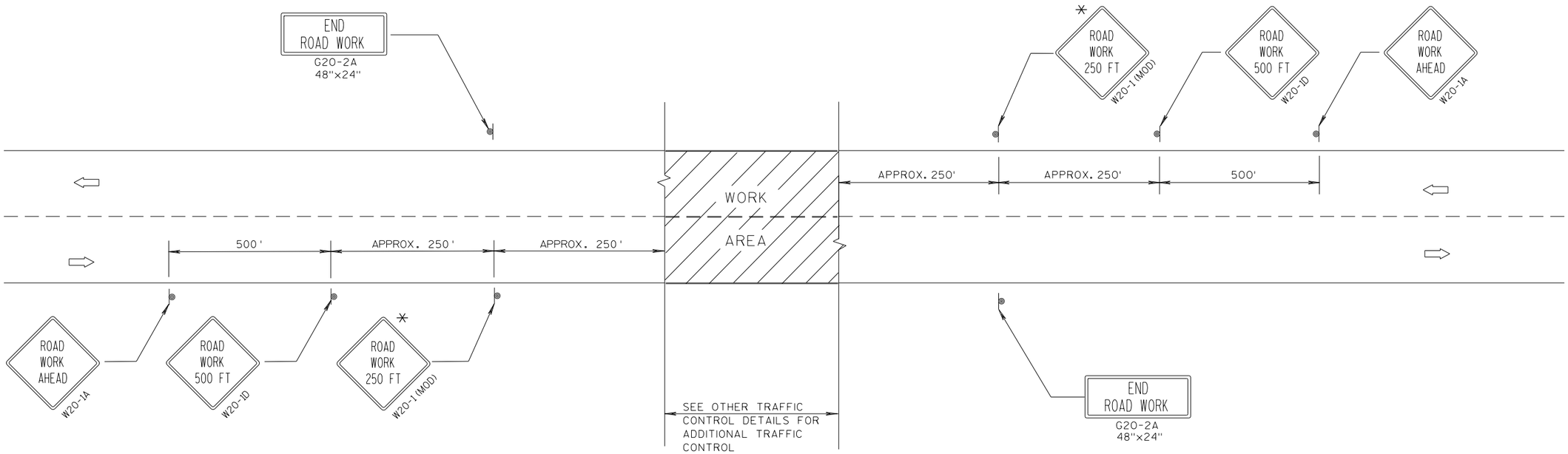
/S/ Andrew Heldtke
WORK ZONE ENGI

FHWA

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S.D.D. 15 C 4-5

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.

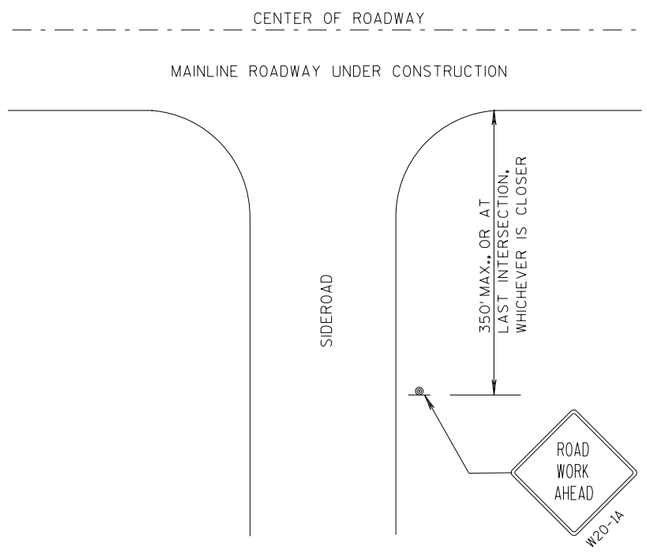
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"×36" SIGNS MAY BE USED INSTEAD OF 48"×48" SIGNS.

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

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

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

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENGI

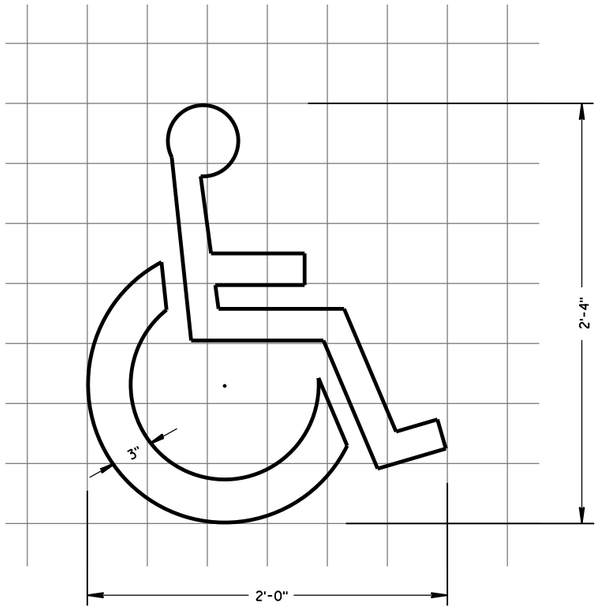
FHWA

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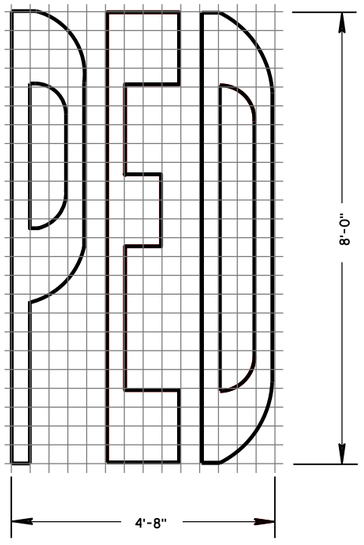
S.D.D. 15 C 5-5

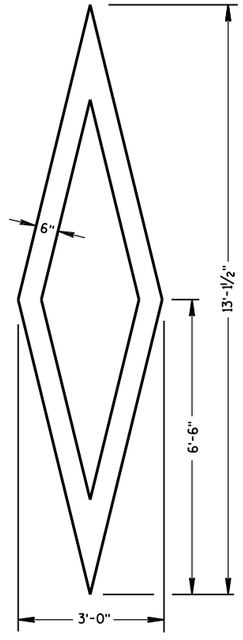
GENERAL NOTES

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



HANDICAP SYMBOL





PREFERENTIAL LANE SYMBOL

6

S.D.D. 15 C 7-14a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

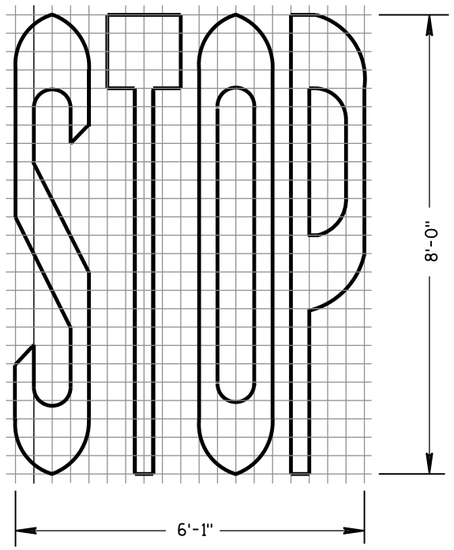
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARK EER
FHWA

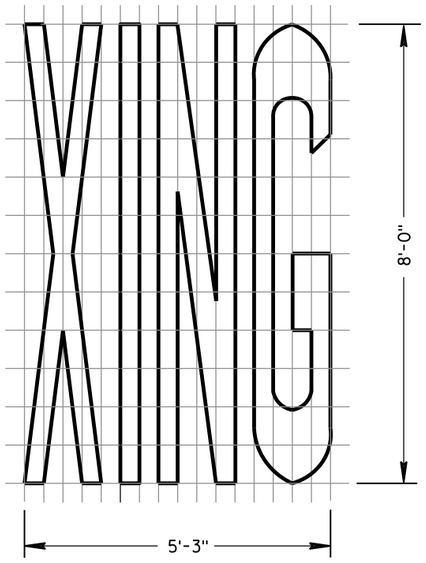
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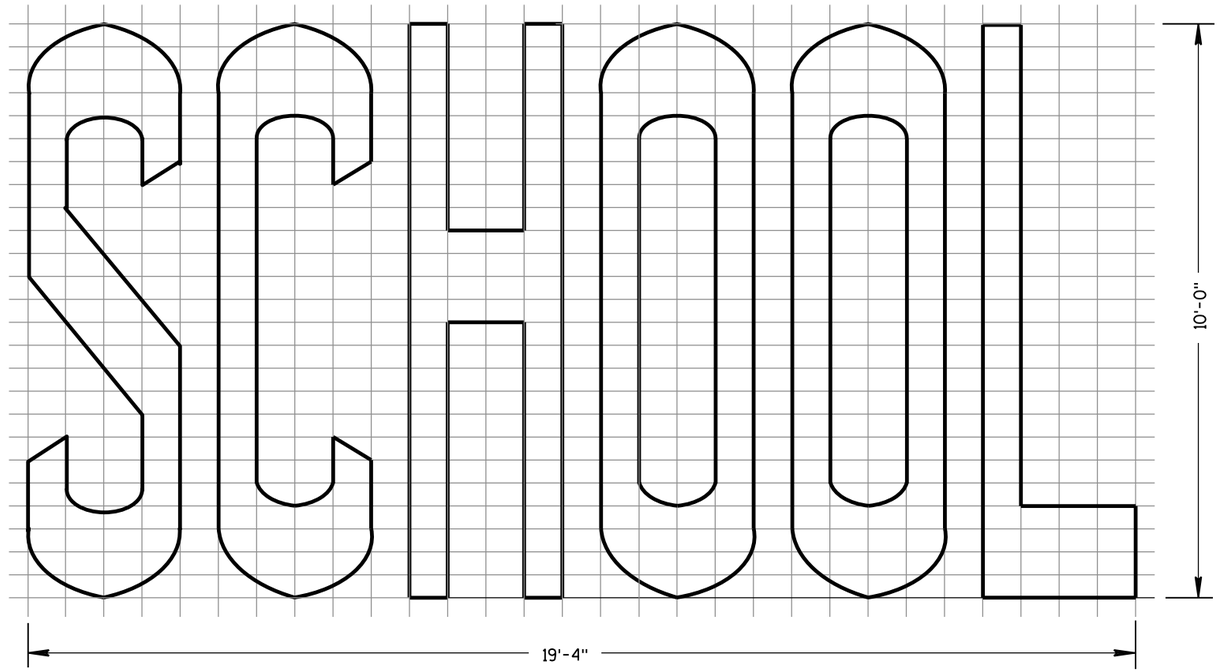
S.D.D. 15 C 7-14a

GENERAL NOTES

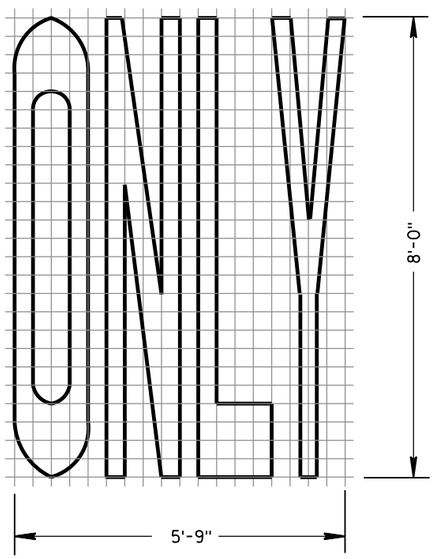
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

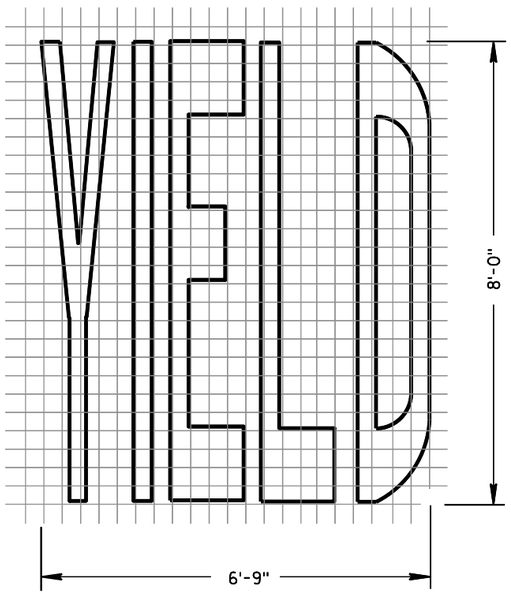


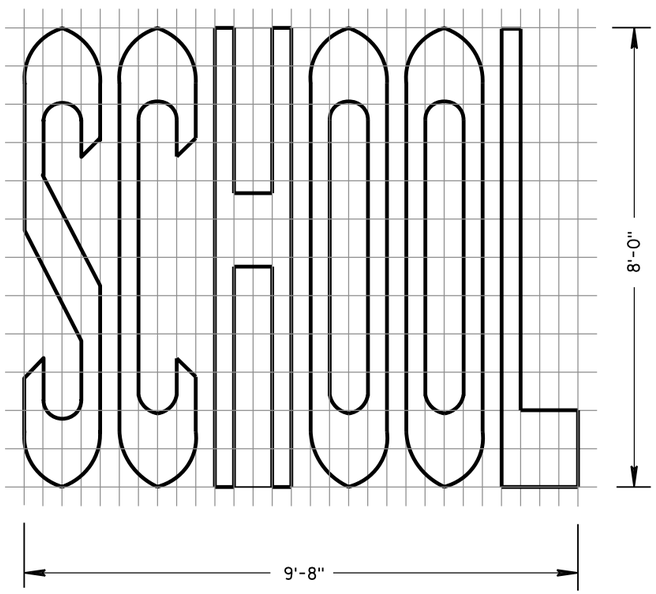




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MARK

400

EER

FHWA

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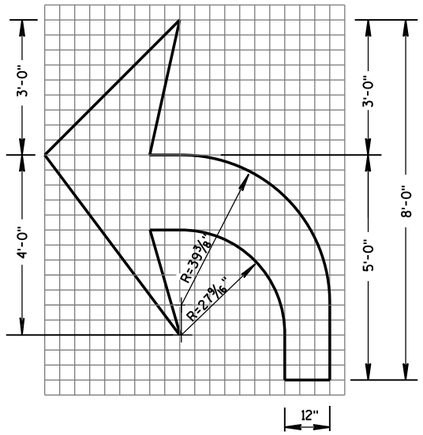
S.D.D. 15 C 7-14b

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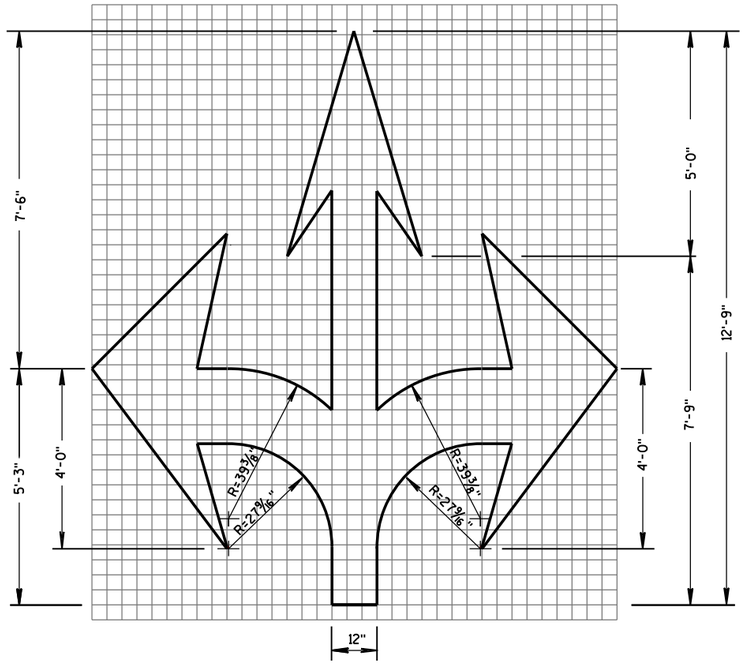
S.D.D. 15 C 7-14b

GENERAL NOTES

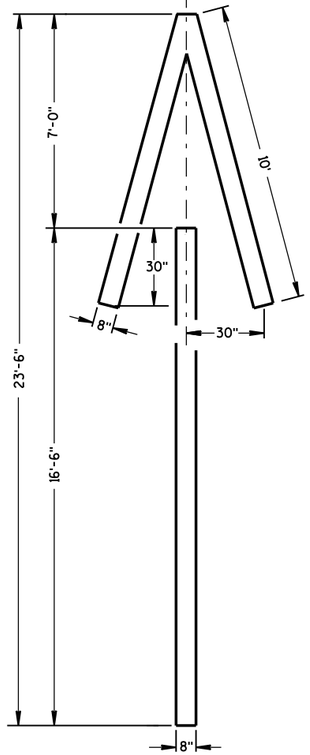
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



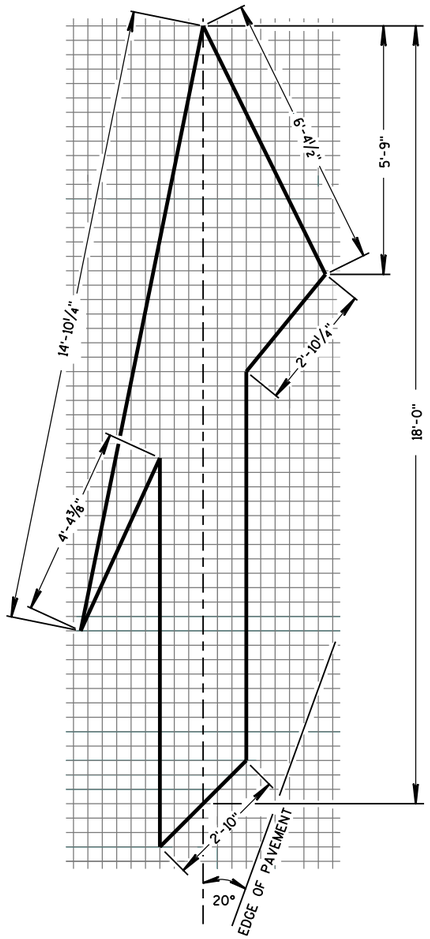
TYPE 2



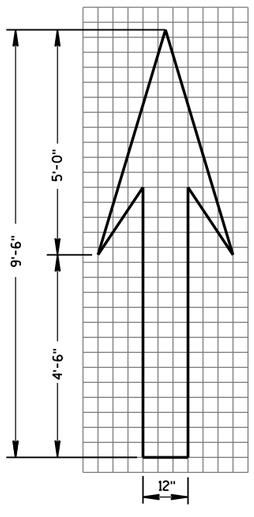
TYPE 6



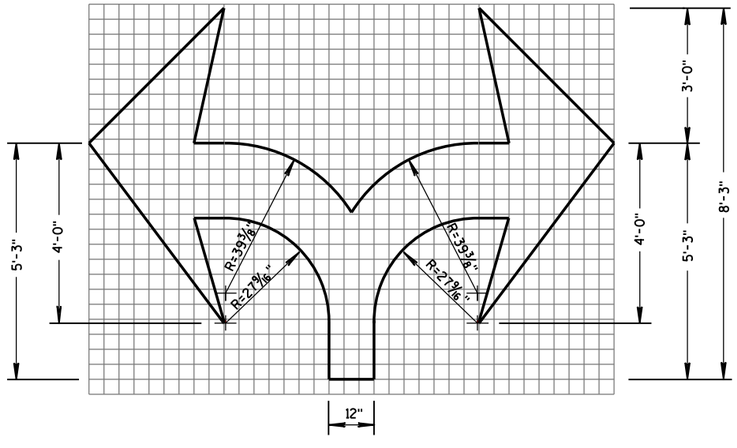
TYPE 4



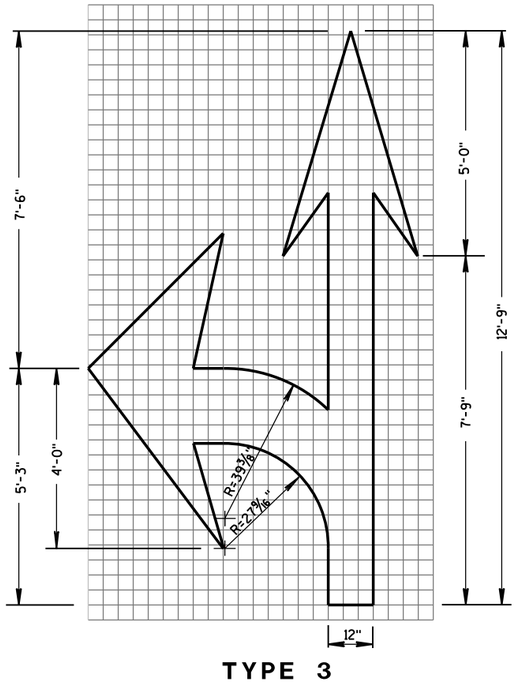
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

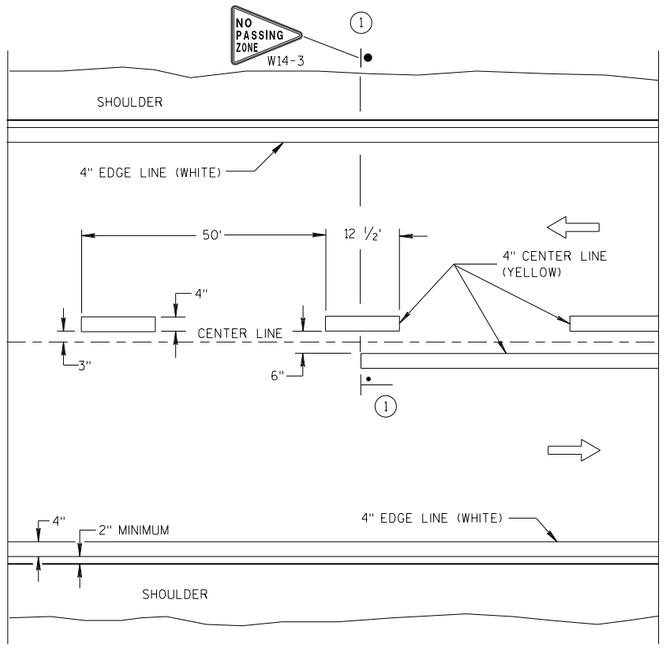
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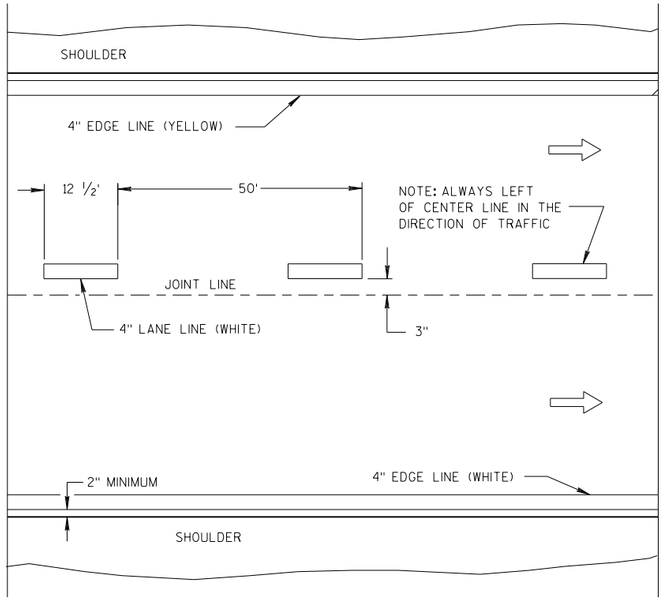
6

S.D.D. 15 C 7-14c

S.D.D. 15 C 7-14c



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) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

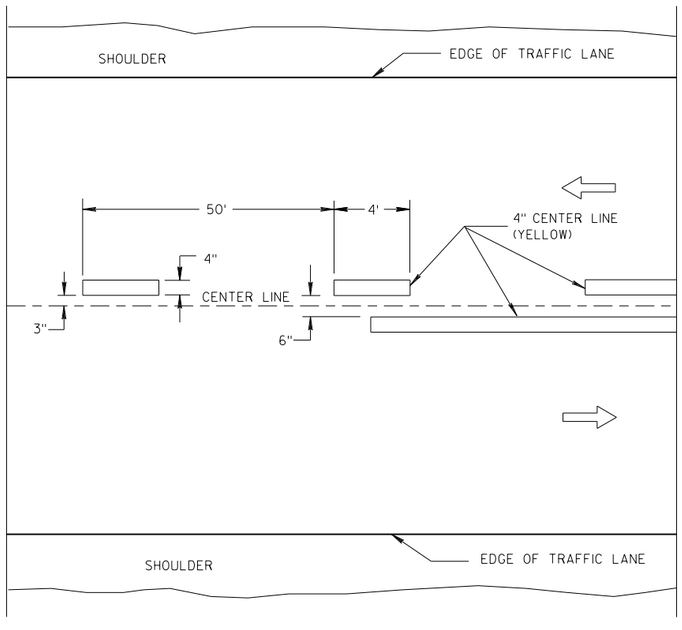
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

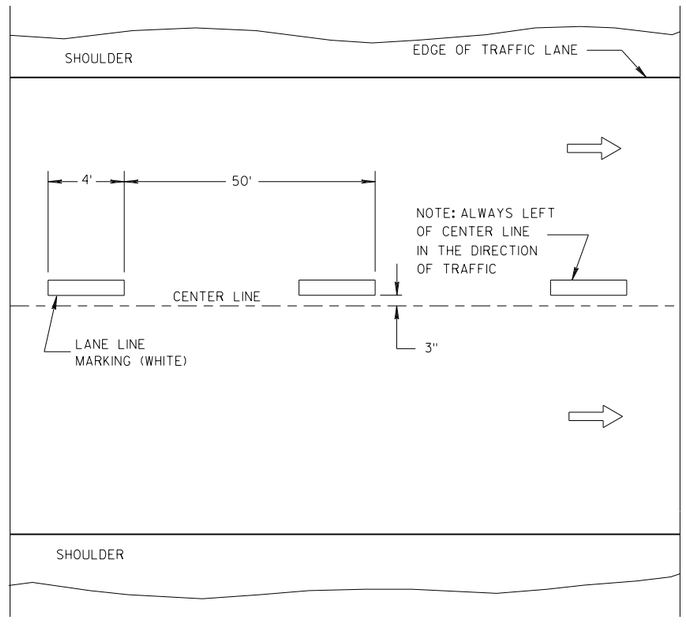
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

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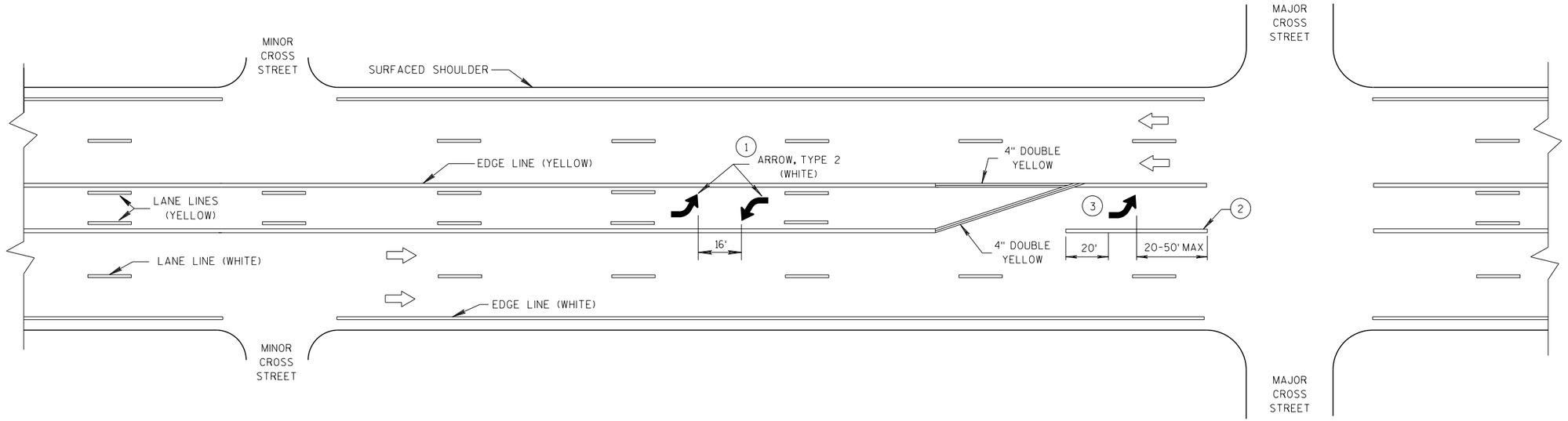
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S.D.D. 15 C 8-19a

GENERAL NOTES

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

DIRECTION OF TRAFFIC

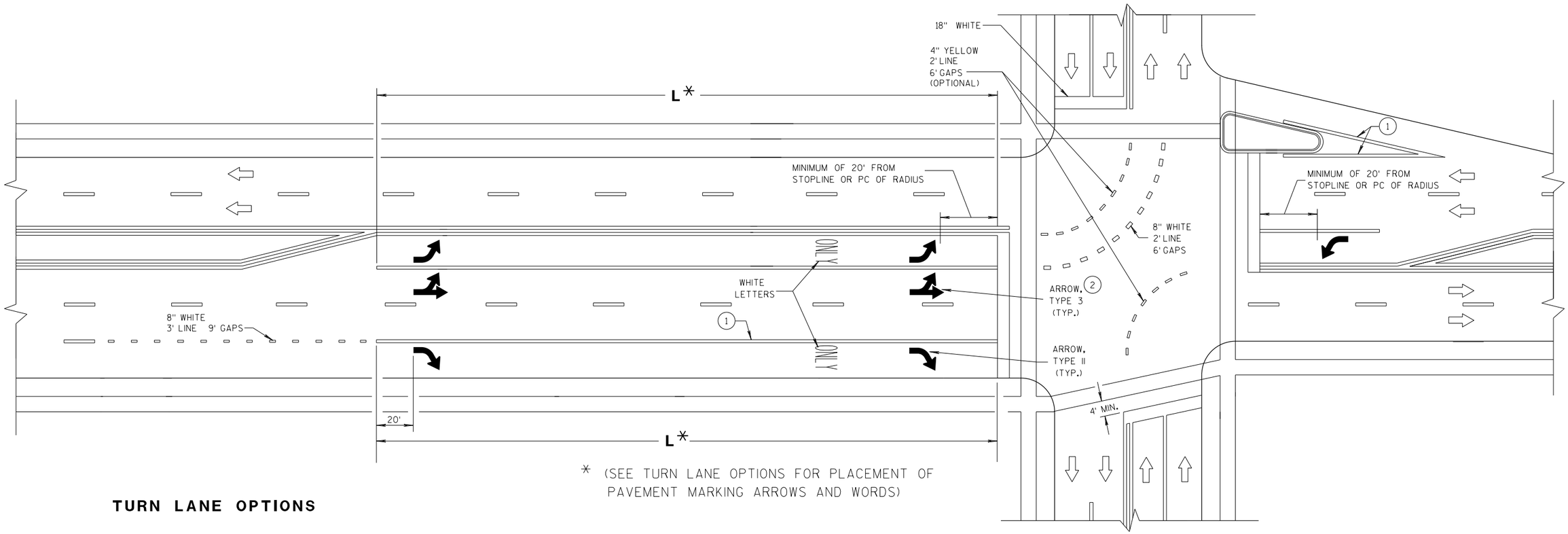


TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

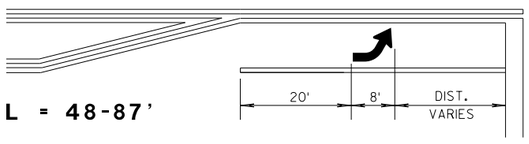
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S.D.D. 15 C 8-19b



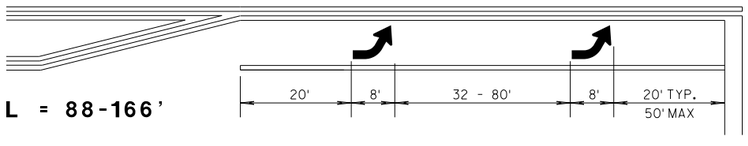
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

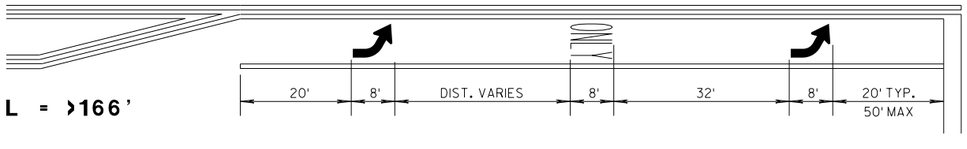
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

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

⇨ DIRECTION OF TRAFFIC

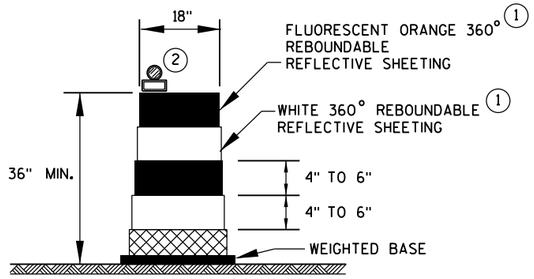
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

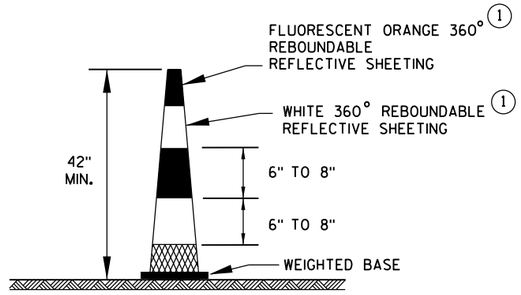
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S.D.D. 15 C 8-19c



DRUM

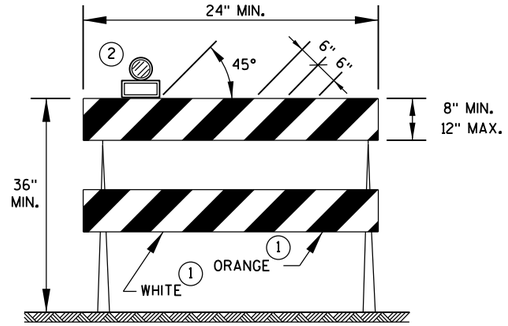


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

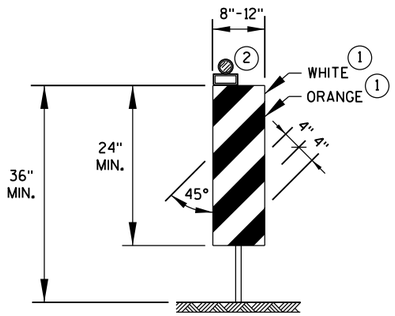
GENERAL NOTES

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



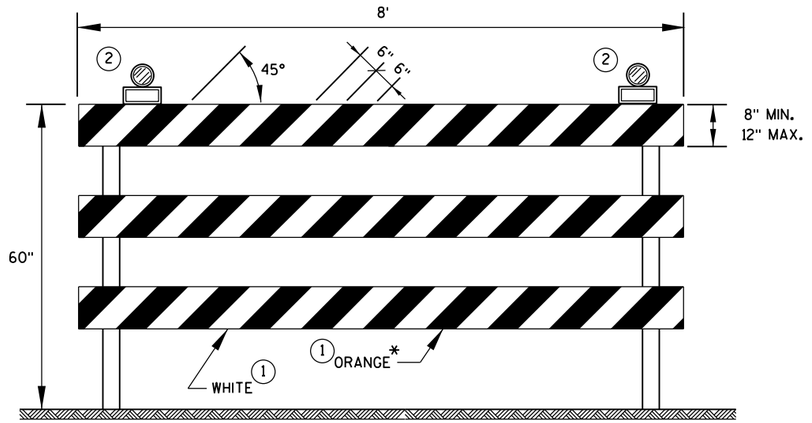
TYPE 2 BARRICADE

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



VERTICAL PANEL

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



TYPE 3 BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES AND VERTICAL PANELS

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S.D.D. 15 C 11-7b

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S.D.D. 15 C 11-7b

LEGEND

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

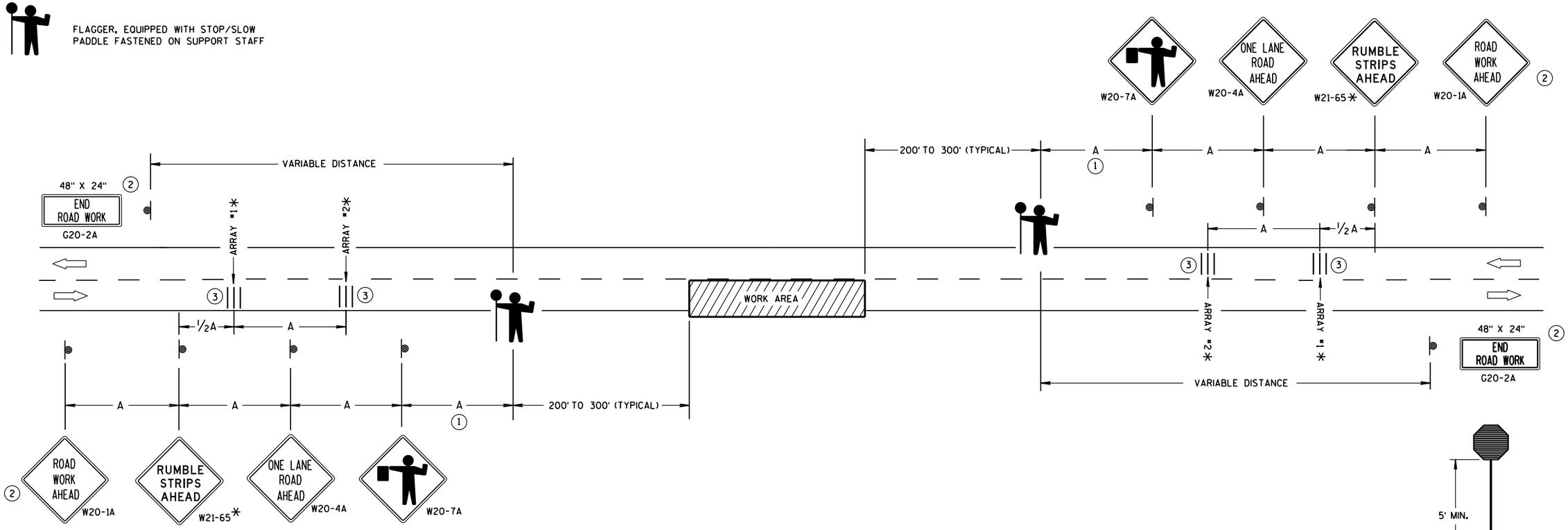
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

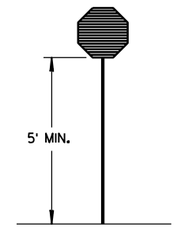
SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



W03-4

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





STOP/SLOW PADDLE ON SUPPORT STAFF

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

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.

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

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.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

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

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

(1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 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.

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

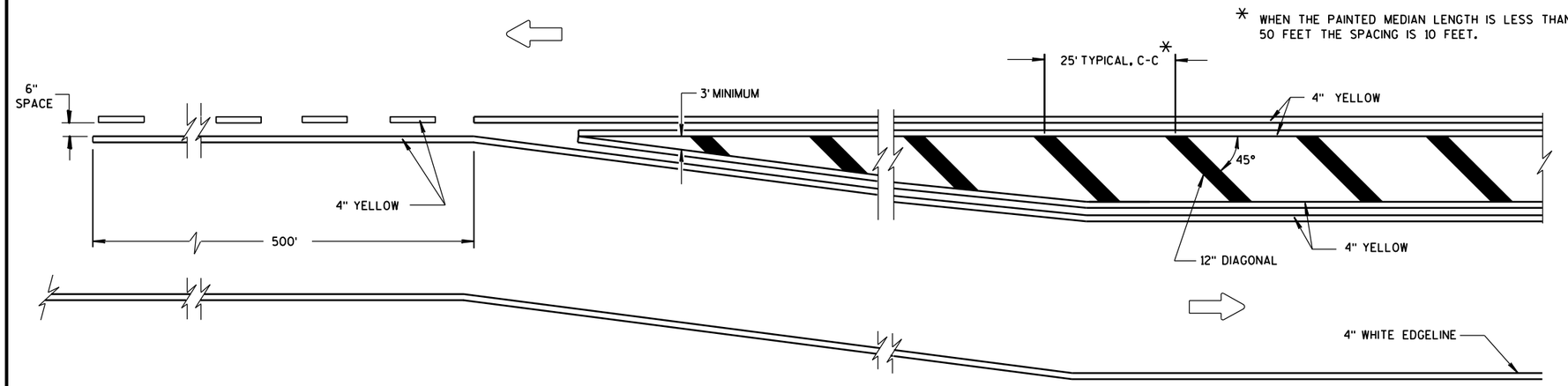
TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

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S.D.D. 15 C 12-6

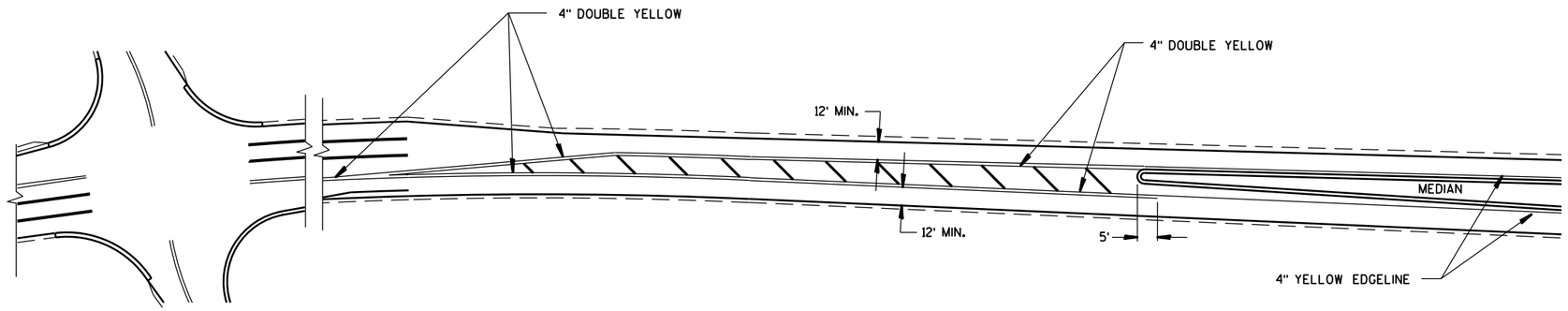


MEDIAN ISLAND DETAIL

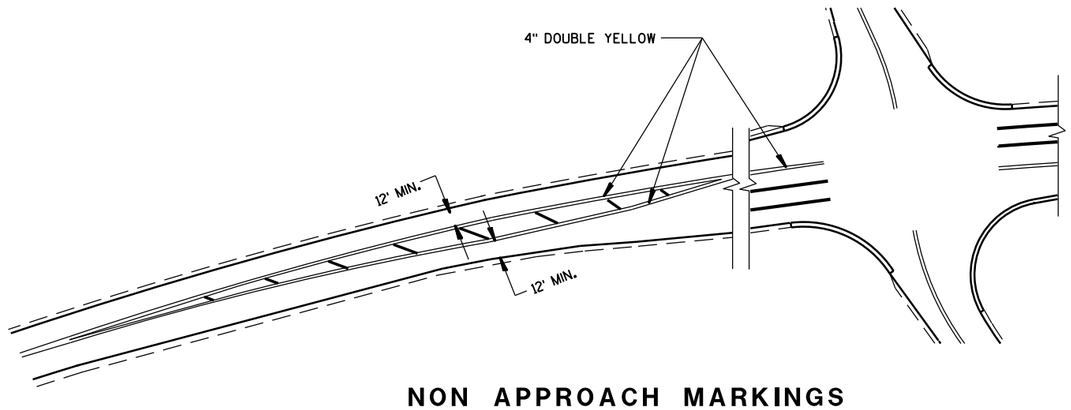
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

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S.D.D. 15 C 18-4

S.D.D. 15 C 18-4

MEDIAN ISLAND MARKING

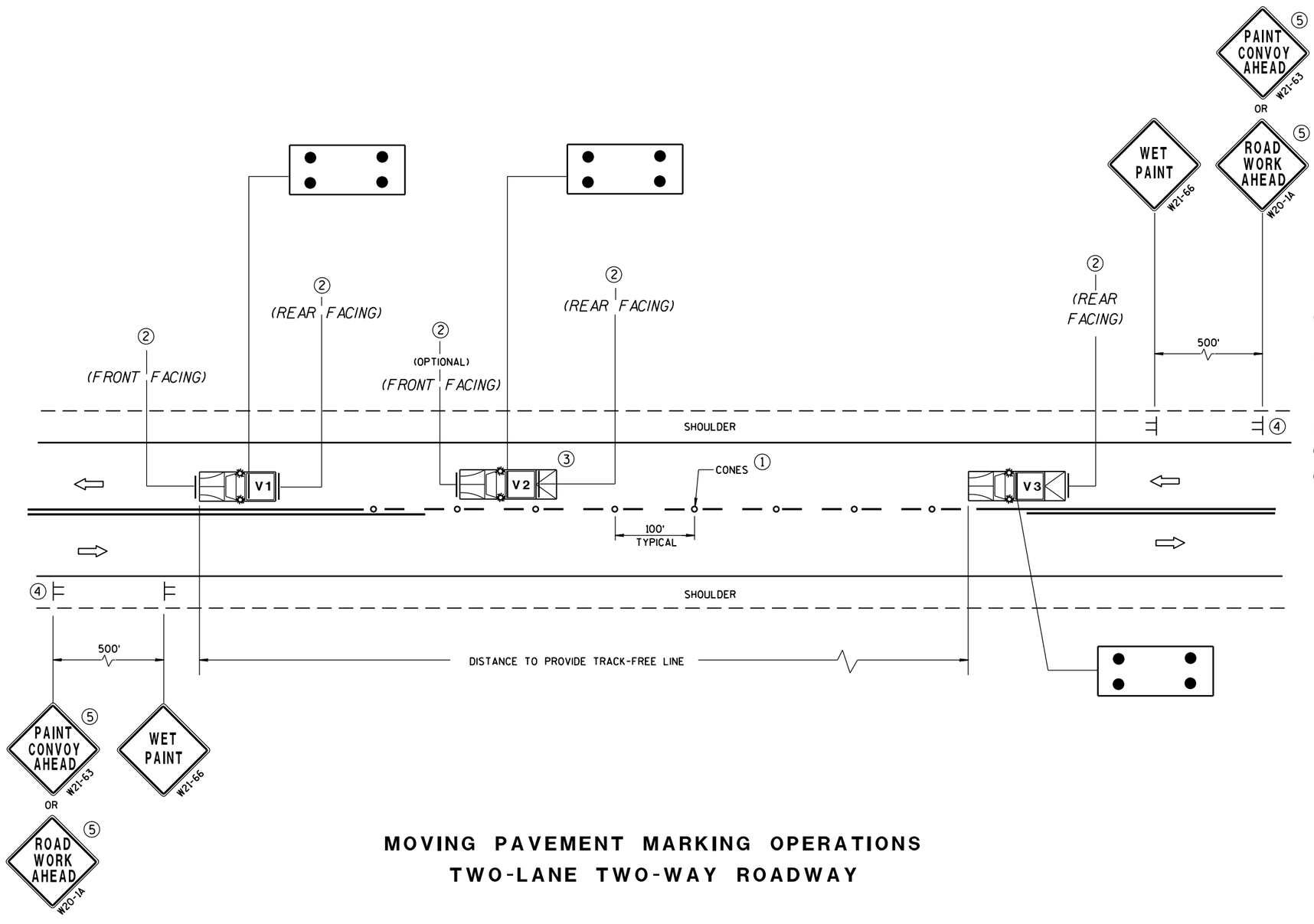
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MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

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

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

- **V1** LEAD VEHICLE
- **V2** SHADOW VEHICLE
- **V3** TRAIL VEHICLE WITH TMA
- **TMA** TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
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S.D.D. 15 C 19-5a

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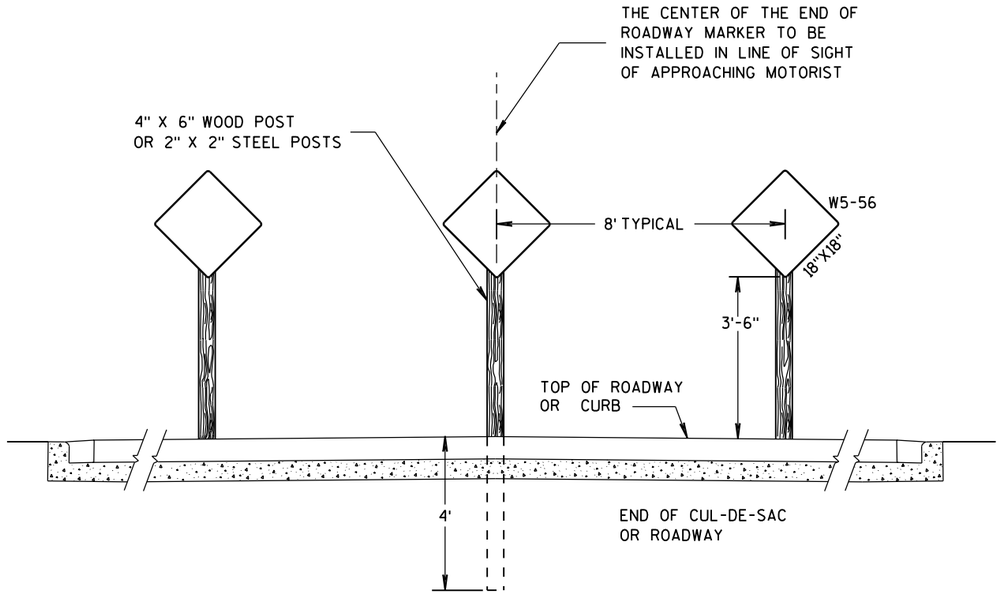
S.D.D. 15 C 19-5a

GENERAL NOTES

SIGN LOCATIONS SHOWN ARE TYPICAL PLACEMENT AND MAY BE ADJUSTED BY THE ENGINEER AS FIELD CONDITIONS DICTATE.

THE MINIMUM NUMBER OF END-OF-ROADWAY SIGNS ARE THREE (AS SHOWN). ADDITIONAL END-OF-ROADWAY SIGNS MAY BE INSTALLED AS FIELD CONDITIONS DICTATE. (SEE SIGNING PLAN).

WHEN BEAMGUARD IS REQUIRED, PLACE END-OF-ROADWAY SIGNING BEHIND BEAMGUARD.



TYPICAL SIGN INSTALLATION

6

S.D.D. 15 C 26-3

END-OF-ROADWAY SIGNING

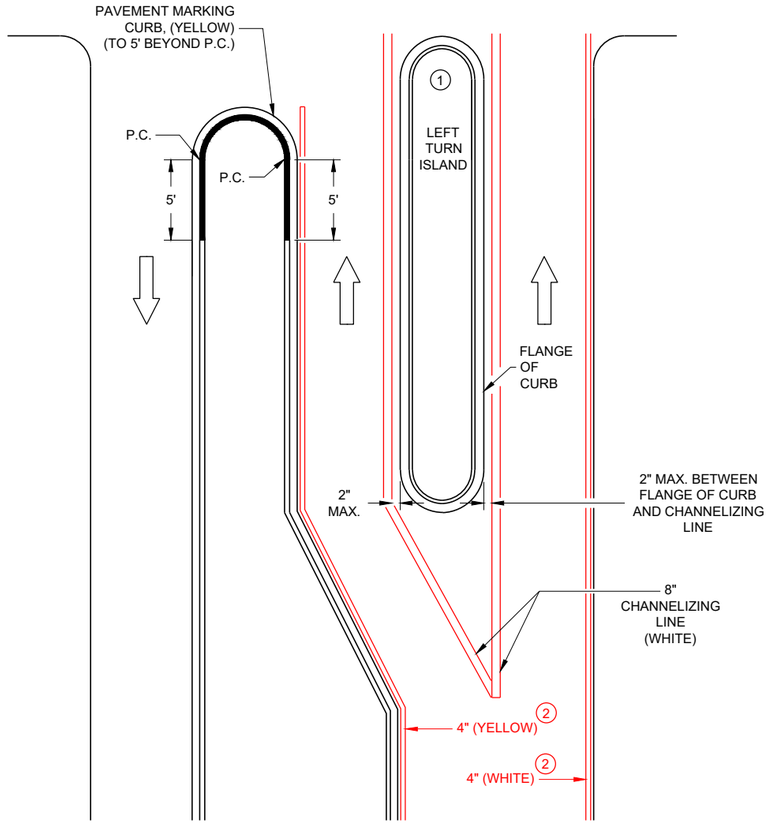
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S.D.D. 15 C 26-3

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



LEFT TURN & MEDIAN ISLAND

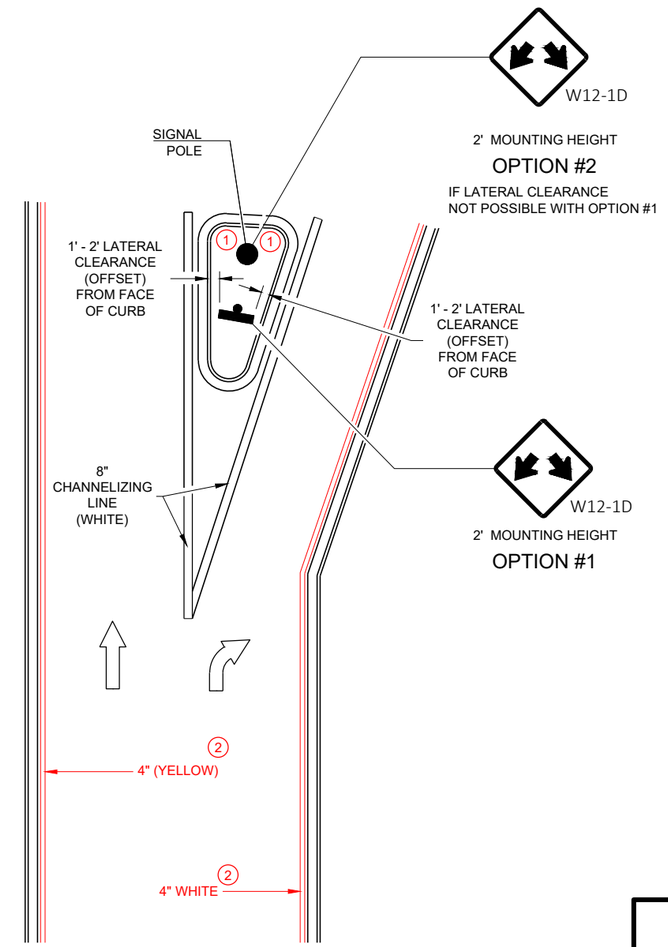
GENERAL NOTES

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

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

DOUBLE ARROW
WARNING SIGN PLACEMENT

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STATE SIGNING AND MAF ENGINEER

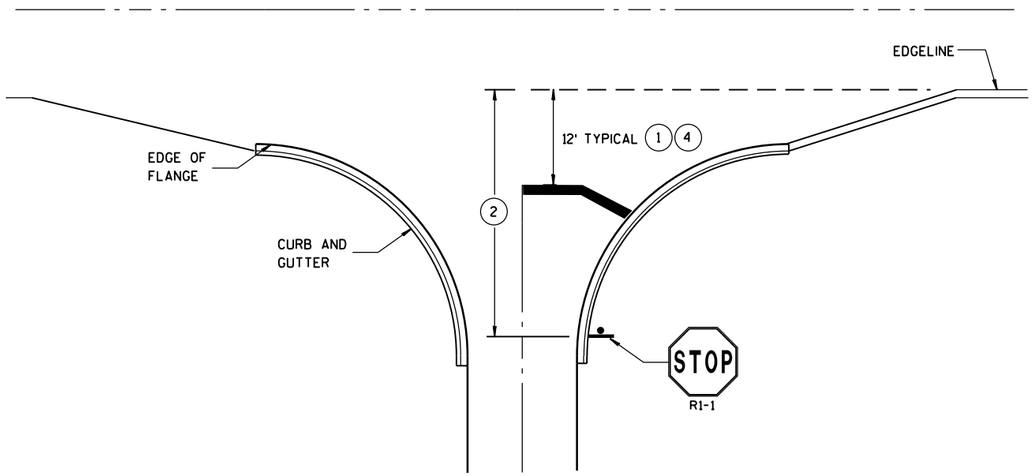
FHWA

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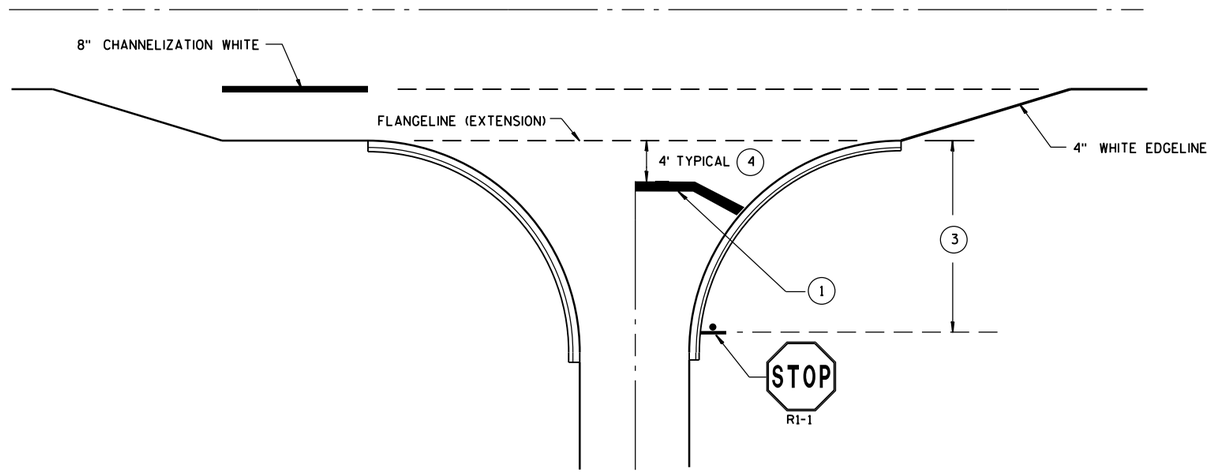
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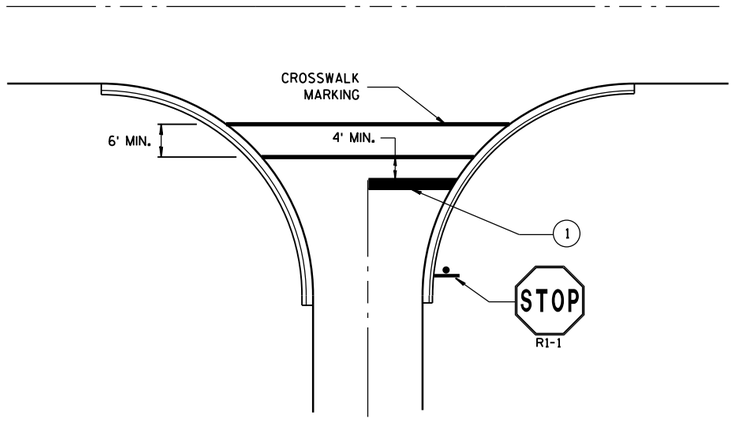
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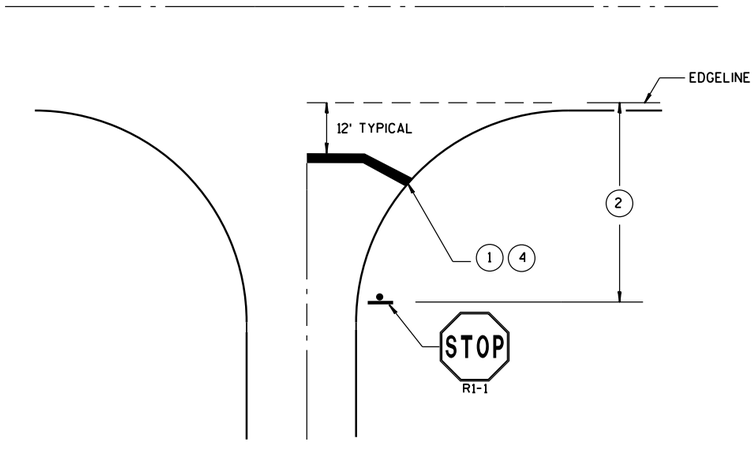
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

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

(1) 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

(2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.

(3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.

(4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

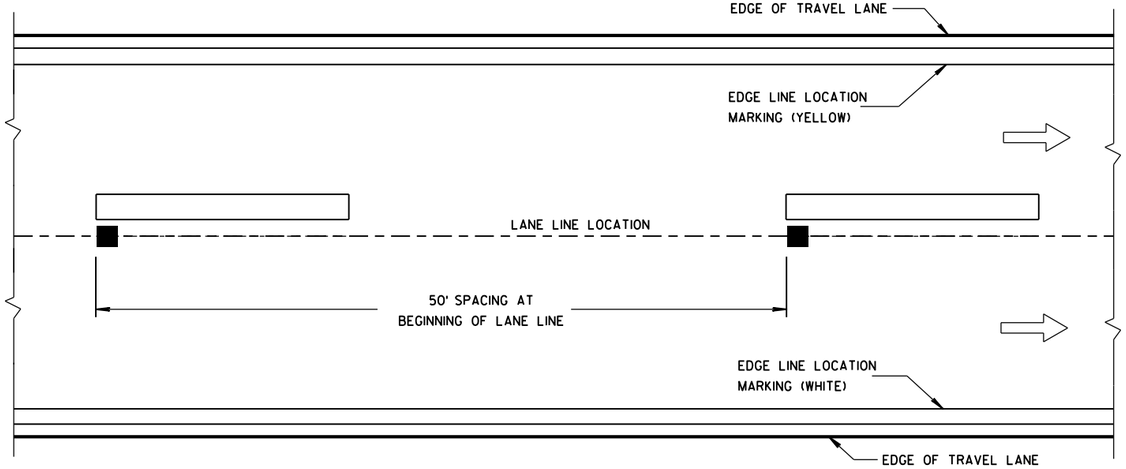
Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]NEER

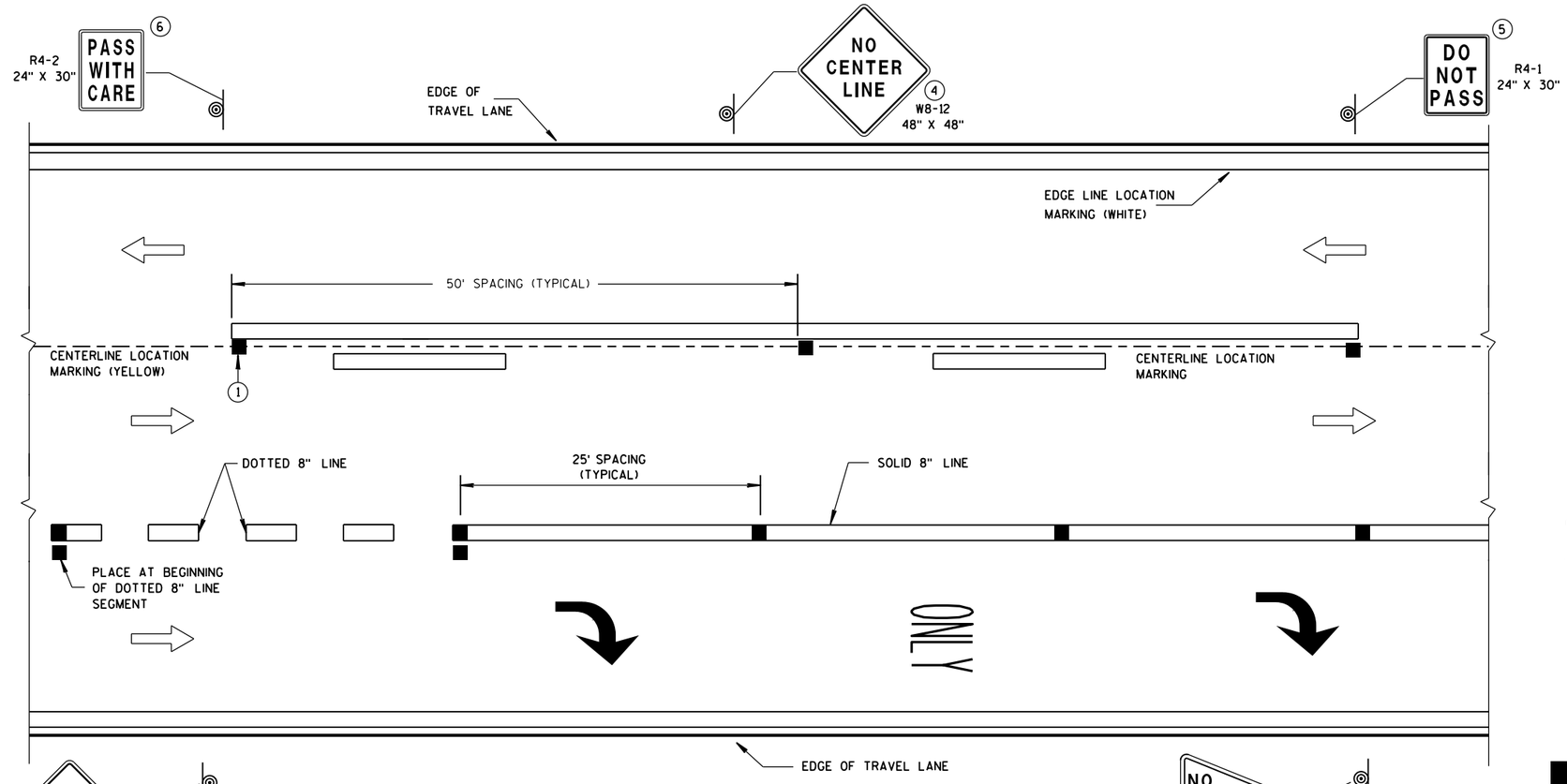
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S.D.D. 15 C 33-3



LONGITUDINAL PLACEMENT 4-INCH LANE LINE



LONGITUDINAL PLACEMENT 4-INCH CENTERLINE AND 8-INCH CHANNEL LINE

GENERAL NOTES

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

COLOR OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II SHALL MATCH THE COLOR OF THE MARKING THEY SUPPLEMENT.

PLACEMENT OF TEMPORARY RAISED PAVEMENT MARKERS ON EDGE LINES ARE OPTIONAL. IF PLACED ON EDGE LINES, MAXIMUM SPACING SHALL BE 50 FEET.

PROVIDE SINGLE OR MULTI-COVER TEMPORARY RAISED PAVEMENT MARKERS AS SHOWN ON PLAN.

MARK T's ON PAVEMENT FOR RE-ESTABLISHING NO PASSING ZONES.

SAME DAY TEMPORARY PAVEMENT MARKING MAY BE USED IN LIEU OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II.

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

IF TEMPORARY SAME DAY PAVEMENT MARKING IS USED, ENSURE PROPOSED PAVEMENT MARKINGS ARE PLACED IN THE EXACT LOCATIONS AS THE EXISTING MARKINGS, USING A MINIMAL AMOUNT OF TEMPORARY RAISED PAVEMENT MARKERS, TYPE II OR OTHER METHODS AS APPROVED BY THE ENGINEER.

IF ROADWAY IS DETOURED DURING CONSTRUCTION, THE DO NOT PASS, PASS WITH CARE AND NO CENTERLINE SIGNS MAY BE OMITTED, PROVIDED A LIQUID MARKING IS INSTALLED BEFORE THE ROADWAY IS REOPENED TO TRAFFIC.

(1) FOR DOUBLE SOLID YELLOW, PLACE THE MARKERS BETWEEN THE LINES.

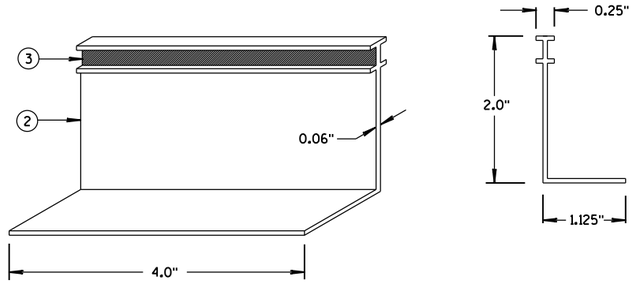
(2) MARKERS SHALL BE OF POLYURETHANE MATERIAL.

(3) MARKERS SHALL HAVE A MINIMUM SIZE REFLECTIVE SURFACE OF 4 INCH WIDTH X 0.25 INCH HEIGHT.

(4) NO CENTER LINE SIGNS SHALL BE PLACED AT THE BEGINNING OF PROJECT, AT TWO-MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS.

(5) DO NOT PASS SIGNS SHALL BE INSTALLED AT THE BEGINNING OF NO PASSING ZONES. ADDITIONAL DO NOT PASS SIGNS SHALL BE INSTALLED AT ONE MILE INTERVALS AND AFTER STATE AND COUNTY HIGHWAY INTERSECTIONS WITHIN THE NO PASSING ZONE.

(6) PASS WITH CARE SIGNS SHALL BE PLACED AT THE DOWNSTREAM END OF NO PASSING ZONES.



ISOMETRIC VIEW

SIDE VIEW

TEMPORARY RAISED PAVEMENT MARKER, TYPE II

LEGEND

- TEMPORARY RAISED PAVEMENT MARKER, TYPE II
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAVEL

STANDARD APPLICATION FOR TEMPORARY RAISED PAVEMENT MARKERS, TYPE II

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

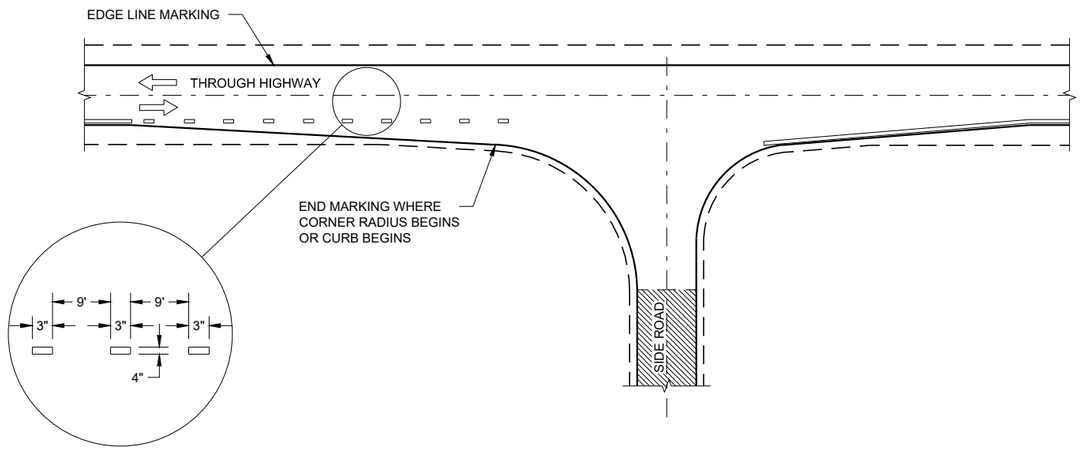
APPROVED
6-2017 — DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] ENGINEER
FHWA

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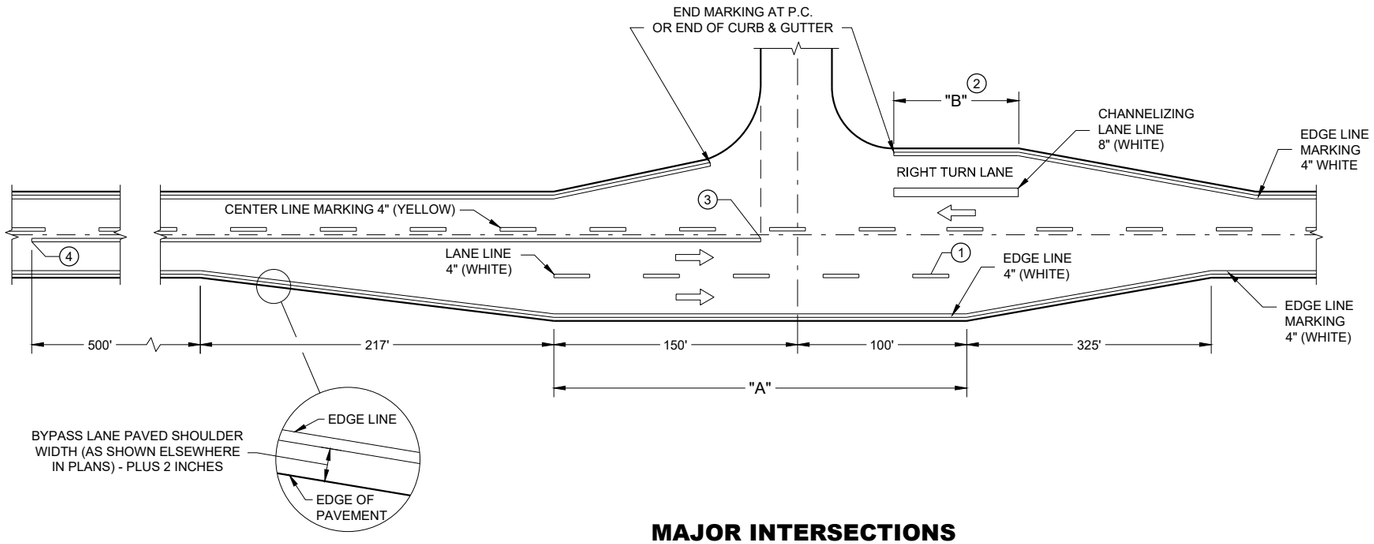
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MINOR INTERSECTION



MAJOR INTERSECTIONS

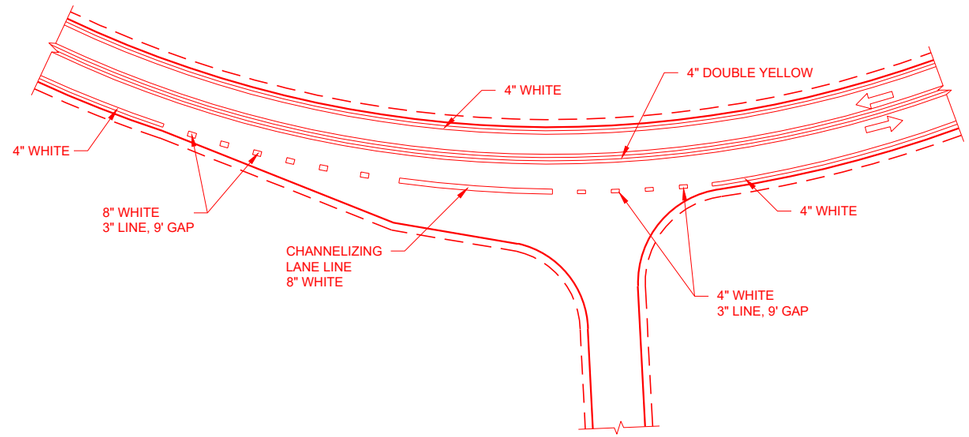
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

GENERAL NOTES

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

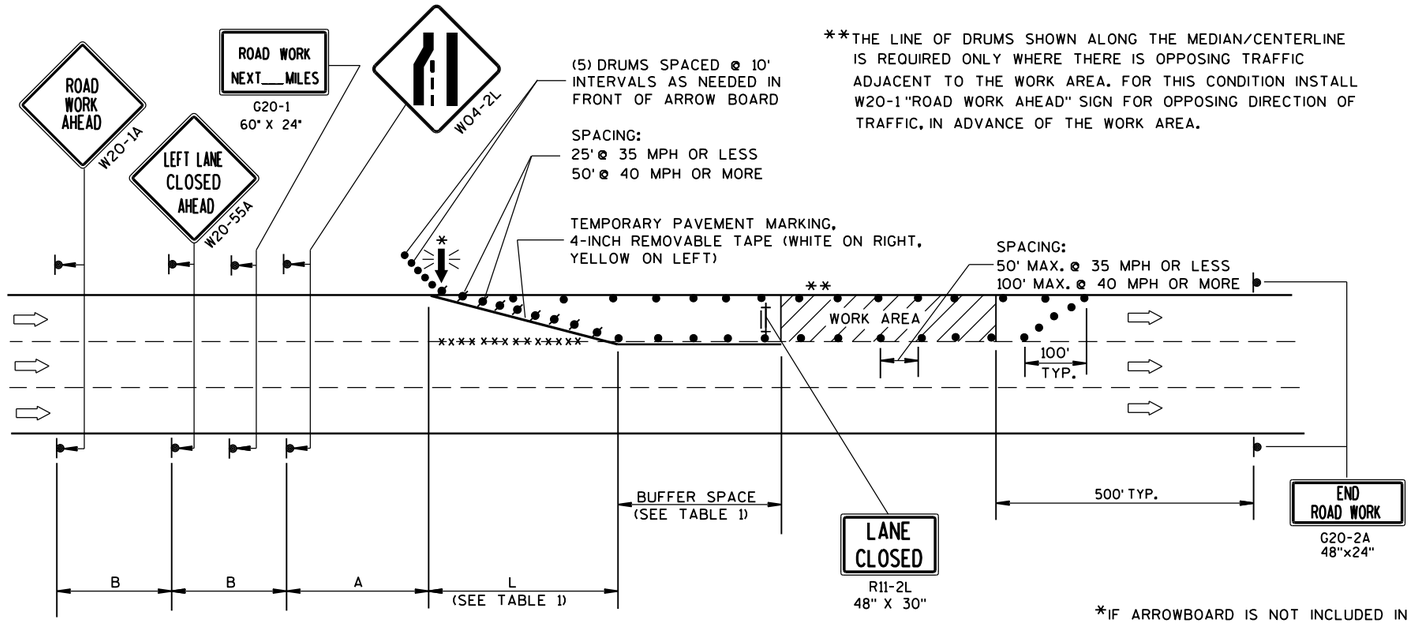
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)



**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF TRAFFIC, IN ADVANCE OF THE WORK AREA.

B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

(PLACE BARRICADE AND SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER.

W01-6
48"x24"

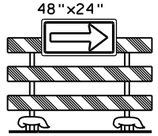


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

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

GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A 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 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, OR THAT WILL BE PLACED IN A CLOSED LANE, 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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

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

BARRICADES IN A CLOSED LANE 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.

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

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
FHWA

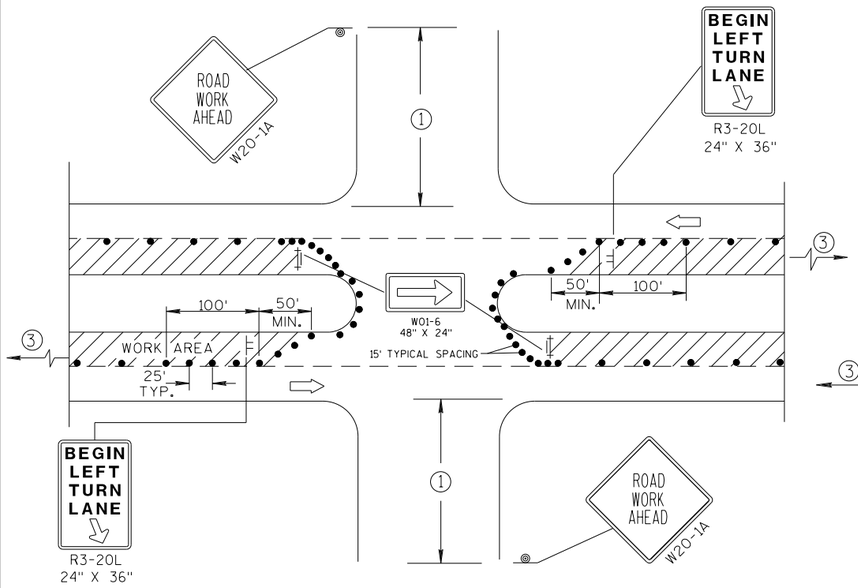
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER

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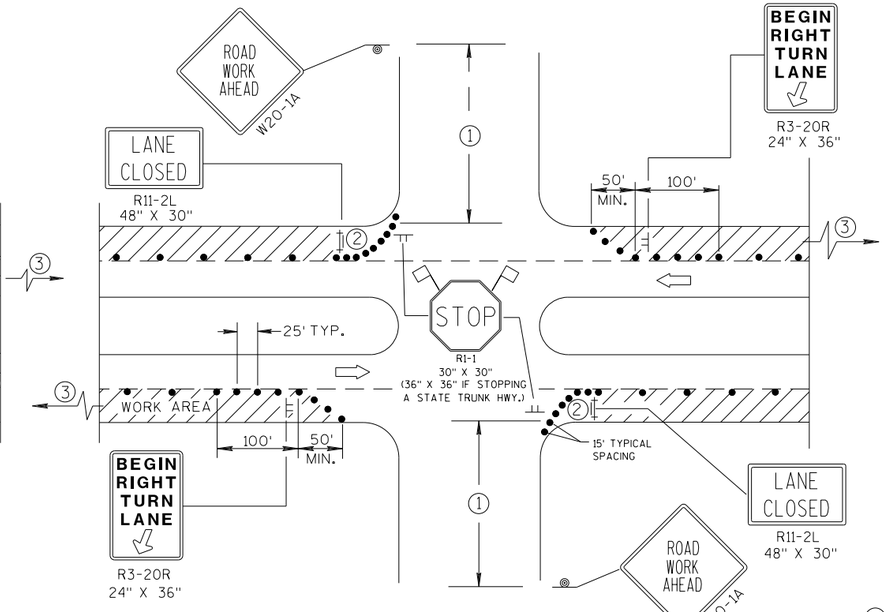
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DETAIL A

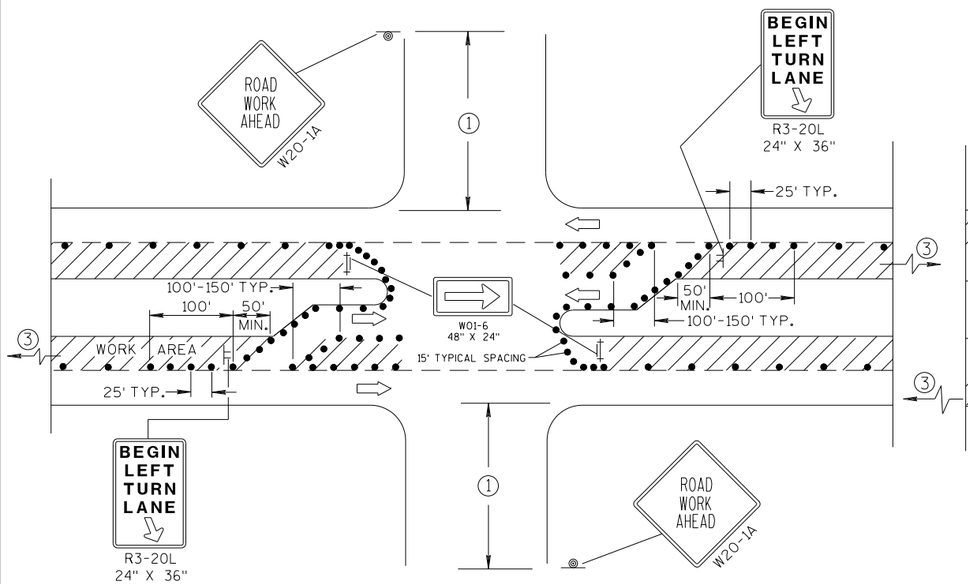
FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING



DETAIL B

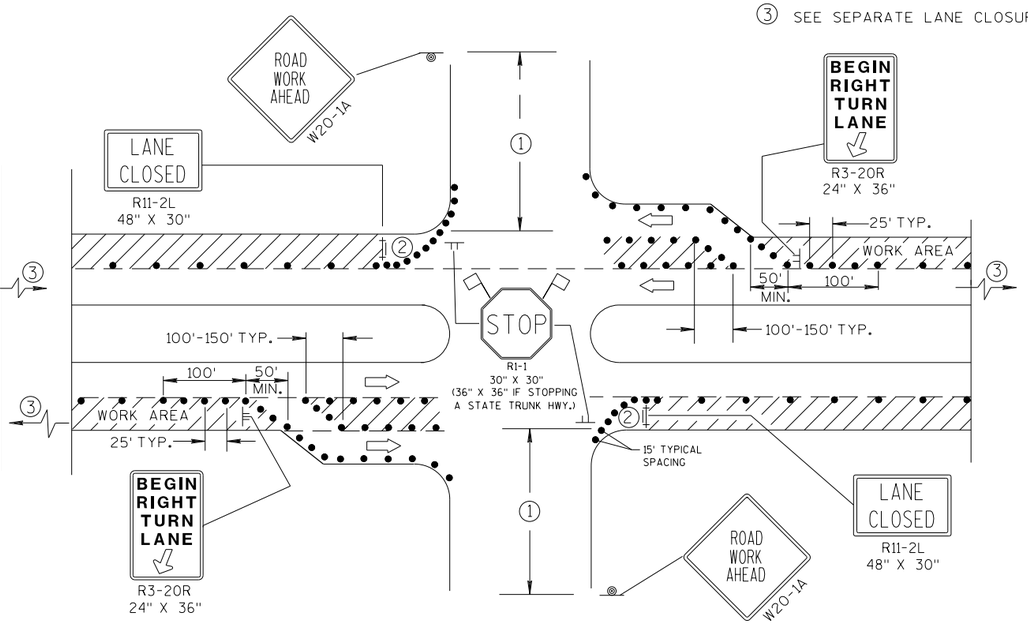
FOR RIGHT LANE CLOSURE AT INTERSECTION

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



DETAIL C

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



DETAIL D

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

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND 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 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.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, 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.

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

BARRICADES IN A CLOSED LANE 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.

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

② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

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S.D.D. 15 D 21-6

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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.

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

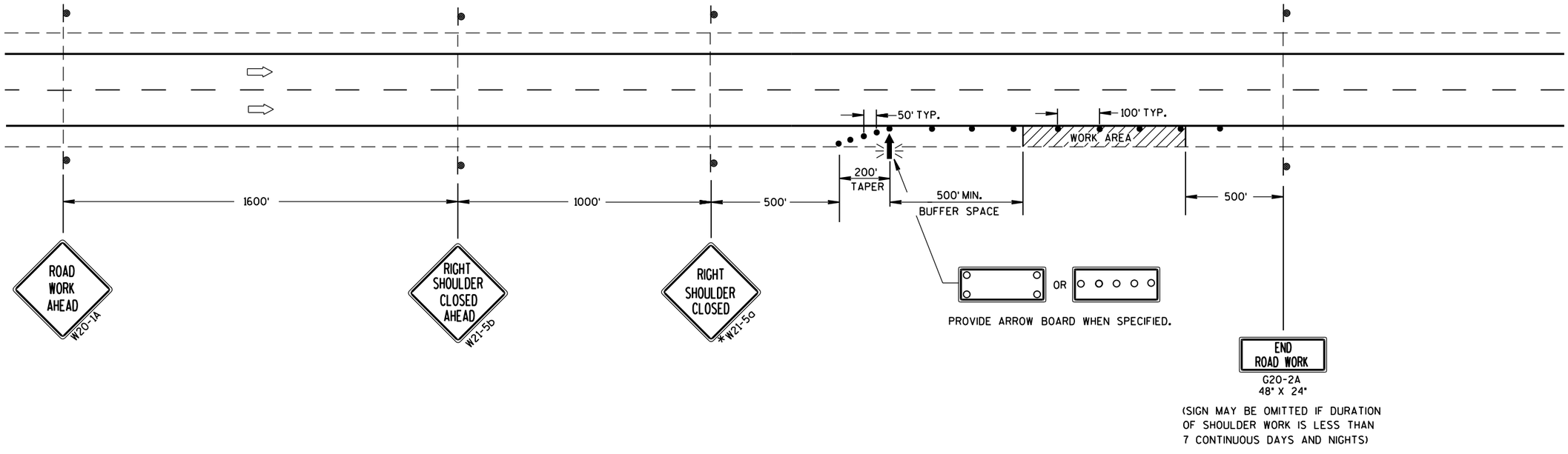
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

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

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

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S.D.D. 15 D 27-3

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.

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

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

TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

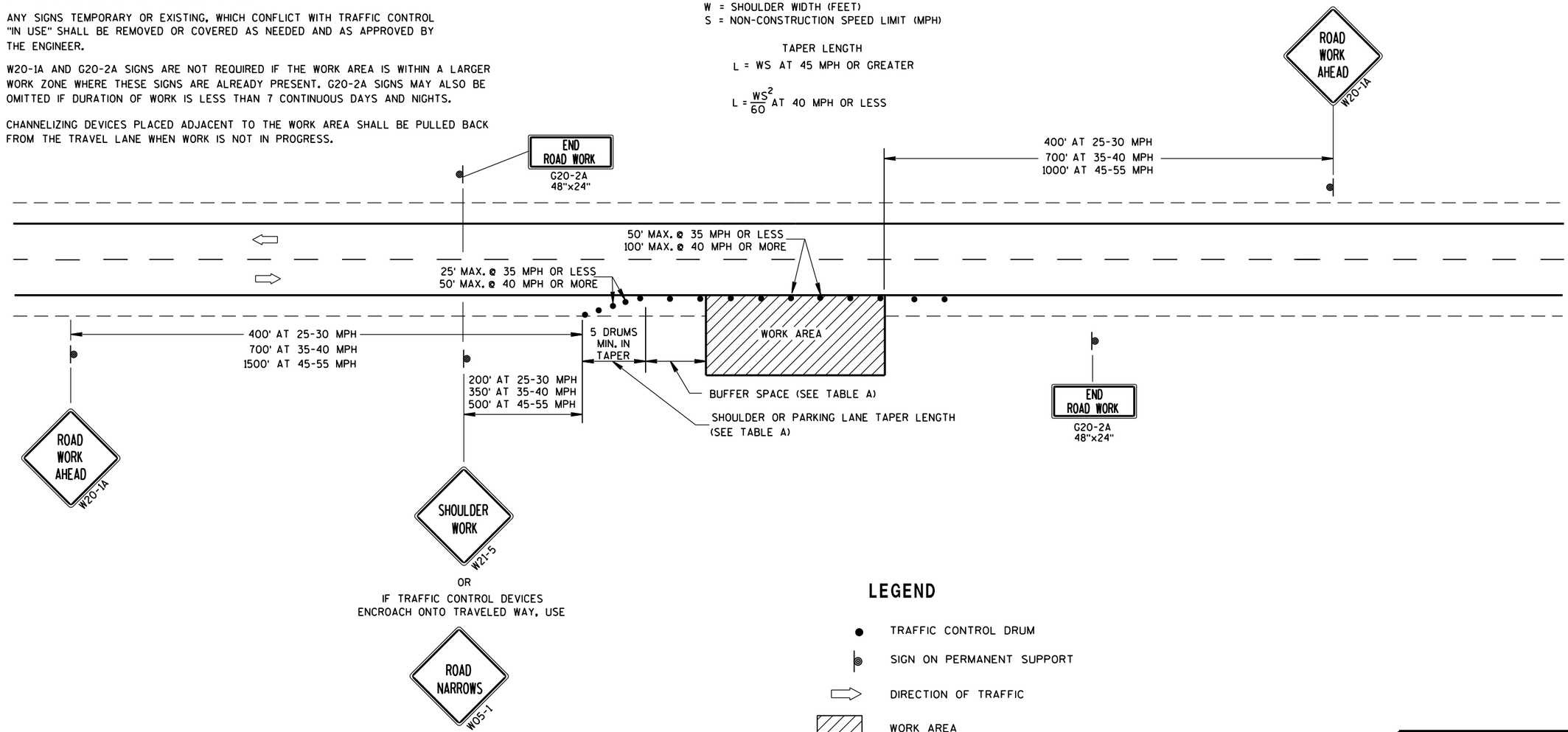
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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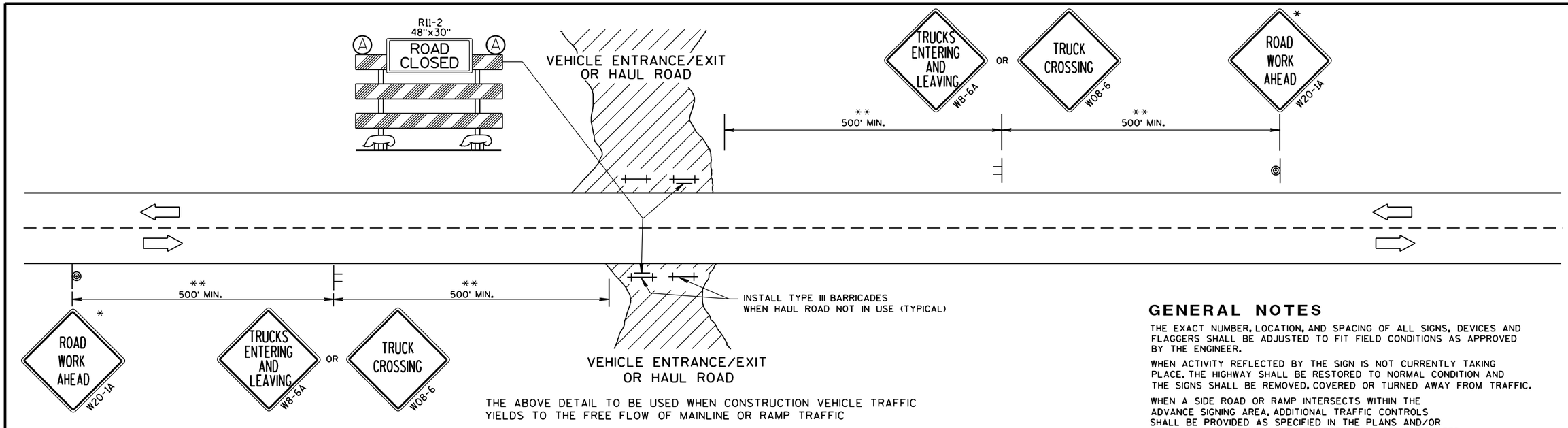
July 14, 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI FIC

FHWA

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S.D.D. 15 D 28-3



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

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF 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.

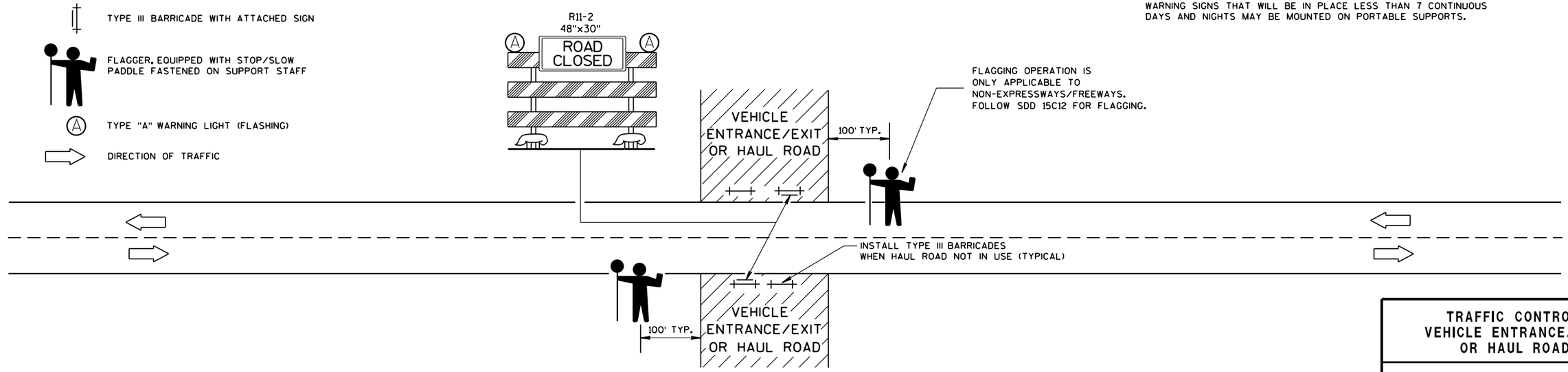
** 500 FEET SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FEET. FOR 25-30 MPH, USE 200 FEET. USE 1000 FEET/1500 FEET FOR EXPRESSWAY/FREEWAY.

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.

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



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
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGI
FHWA

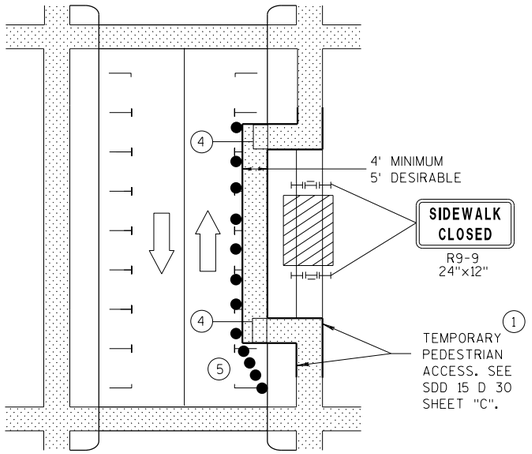
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S.D.D. 15 D 29-5

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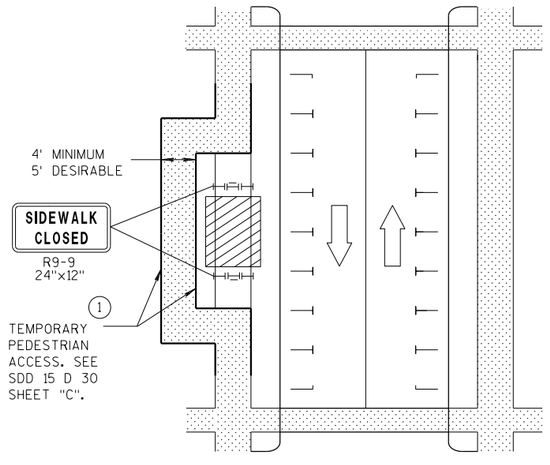
S.D.D. 15 D 29-5

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

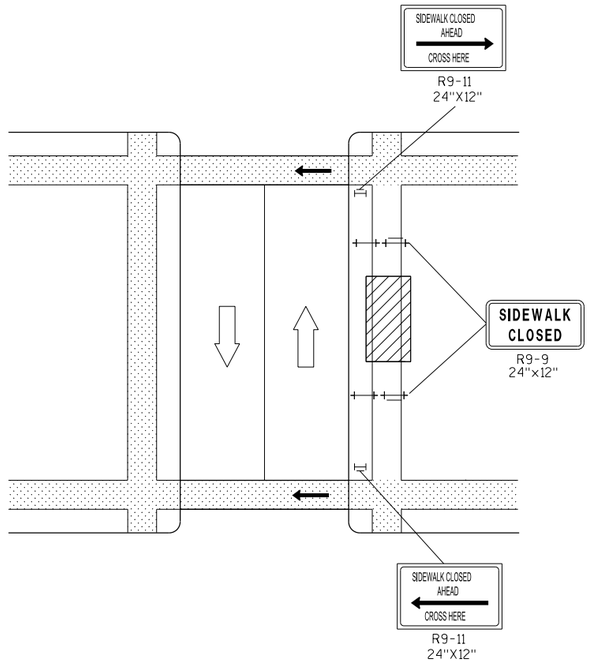


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

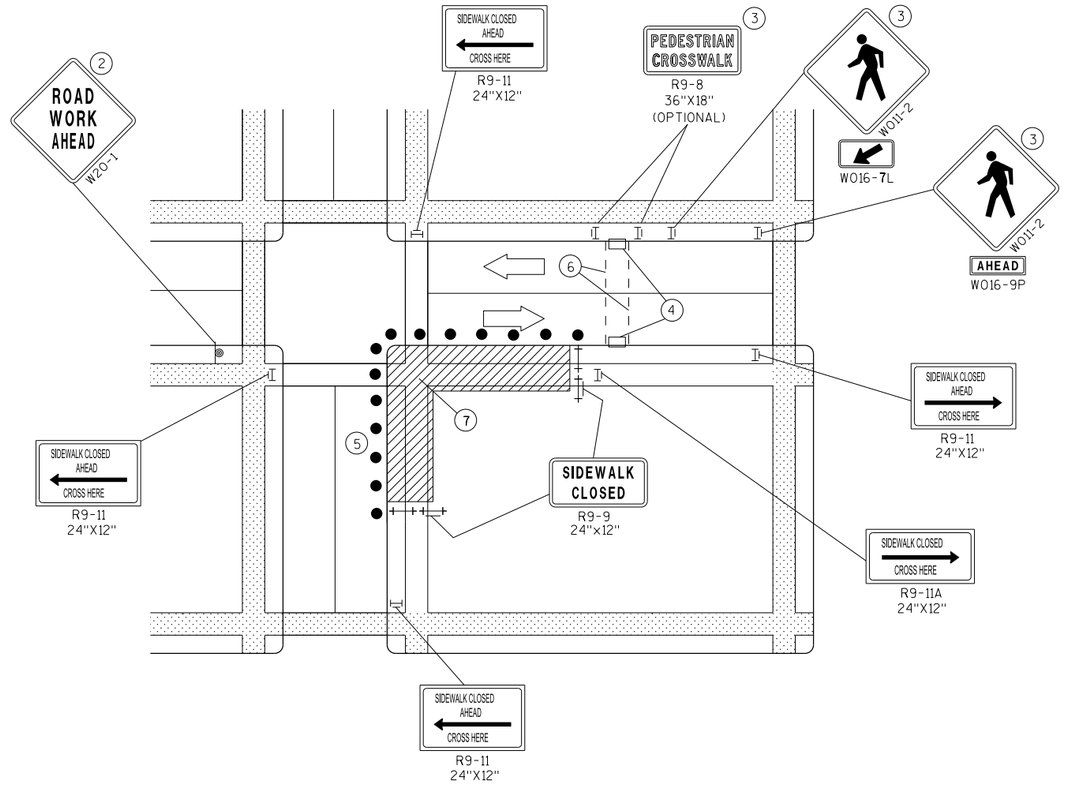
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

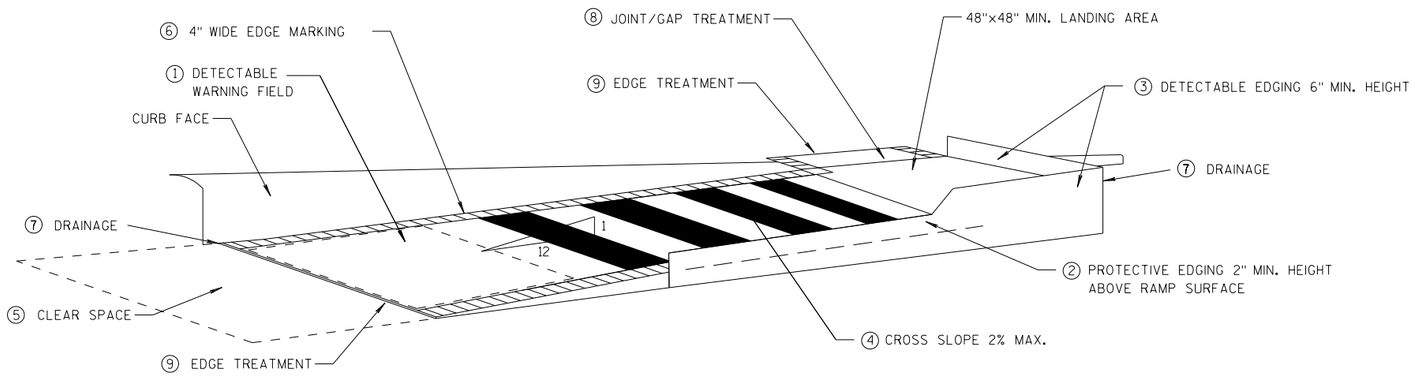
LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

S.D.D. 15 D 30-4a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

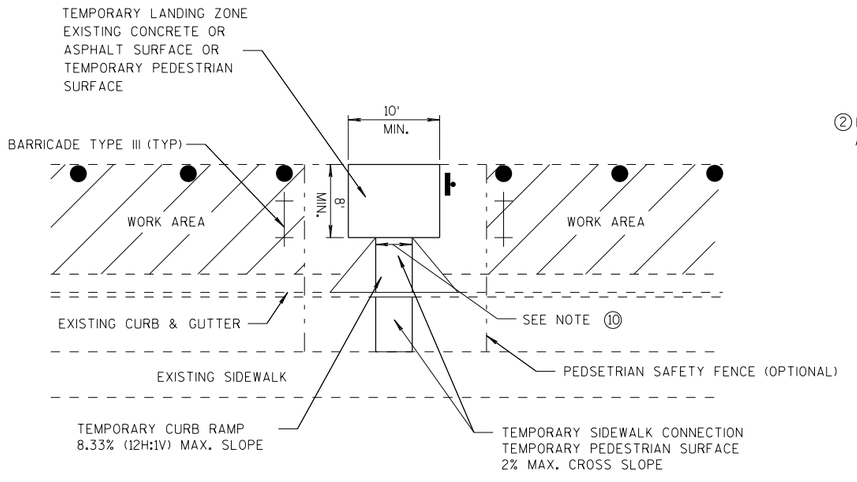
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

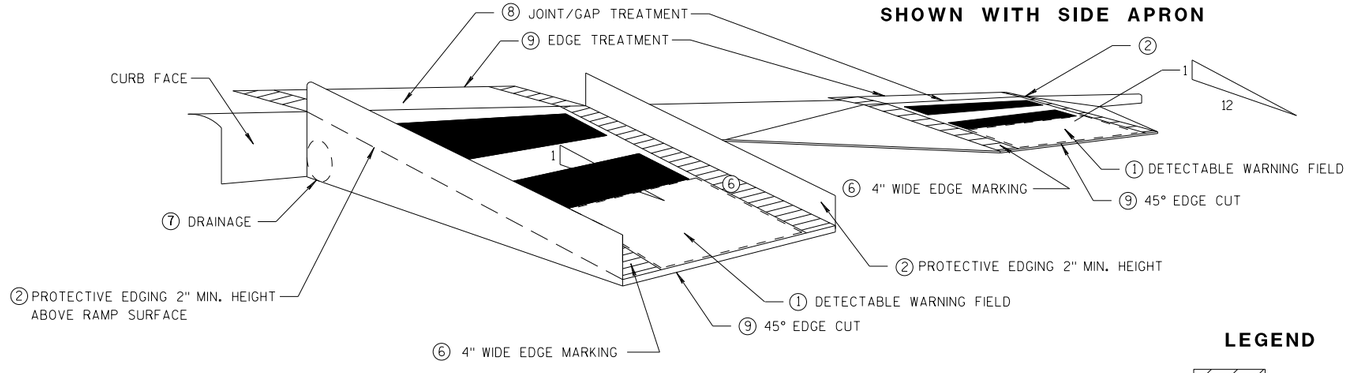
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH SIDE APRON

SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 DATE

/S/ Andrew Heidtke
WORK ZONE ENG

420

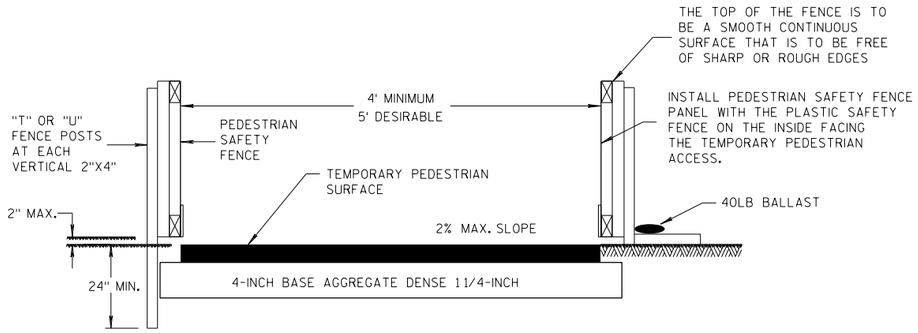
FHWA

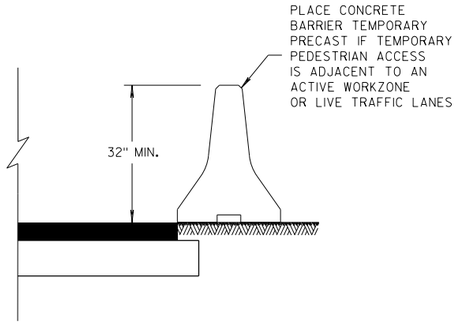
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S.D.D. 15 D 30-4b

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S.D.D. 15 D 30-4b

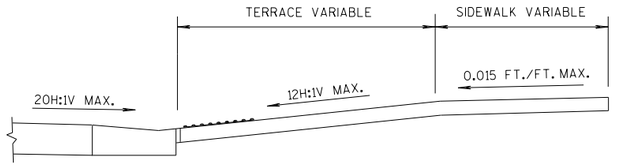




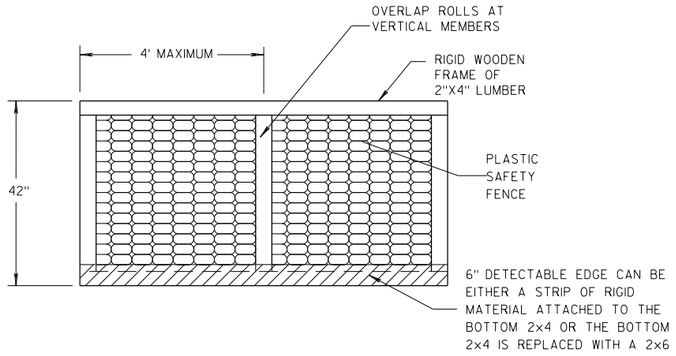
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

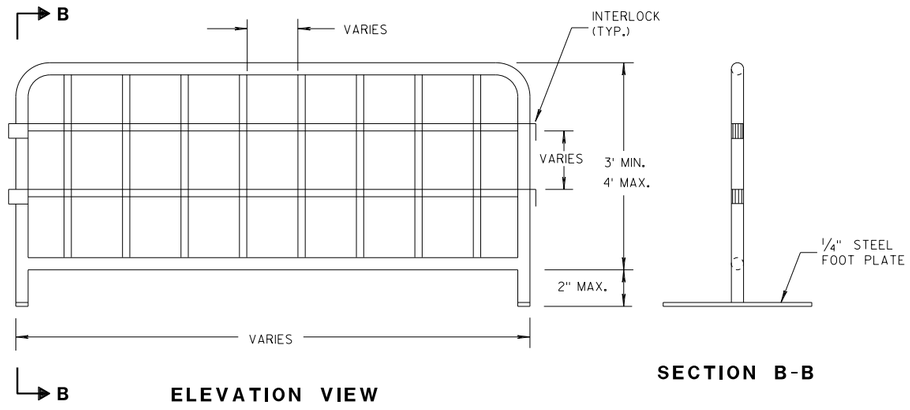
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



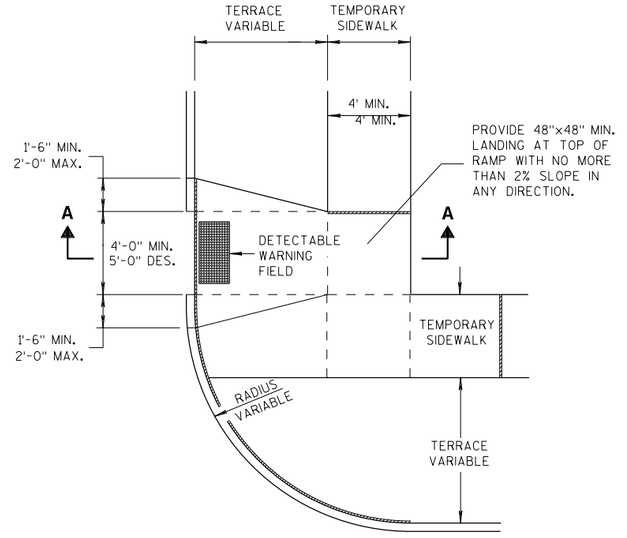
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

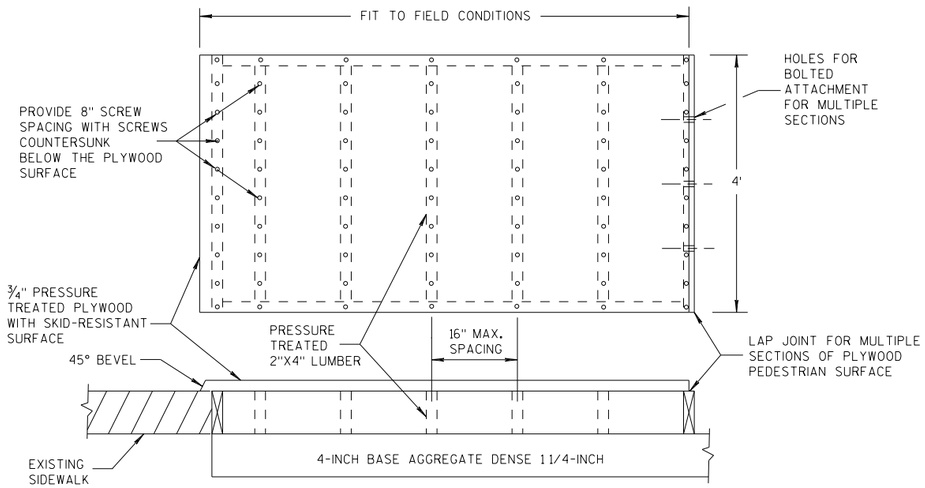
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



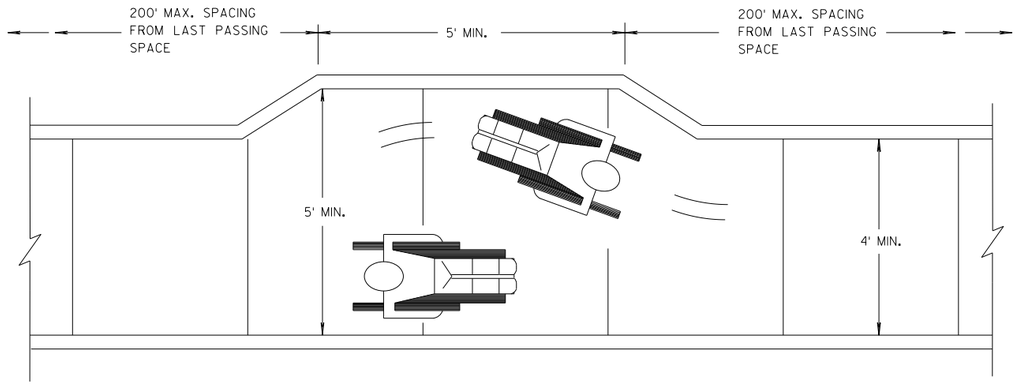
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

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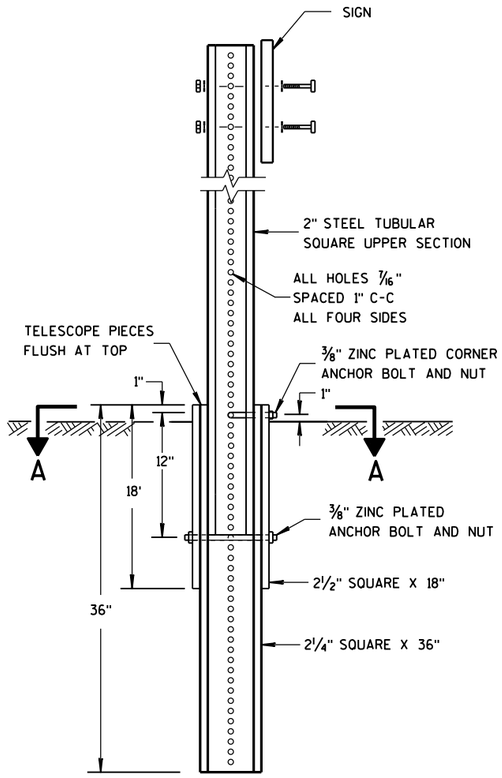
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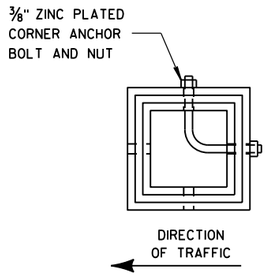
S.D.D. 15 D 30-4c

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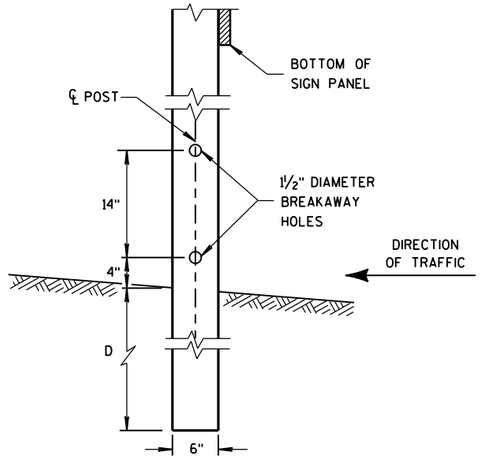
S.D.D. 15 D 30-4c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



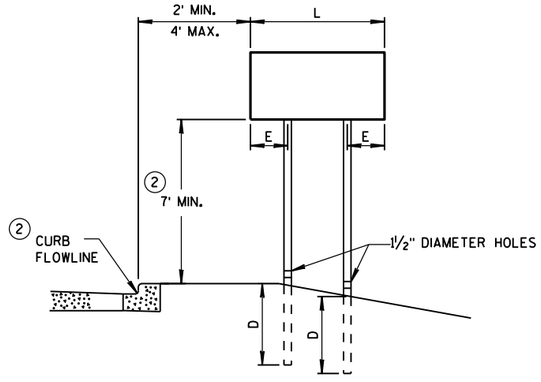
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

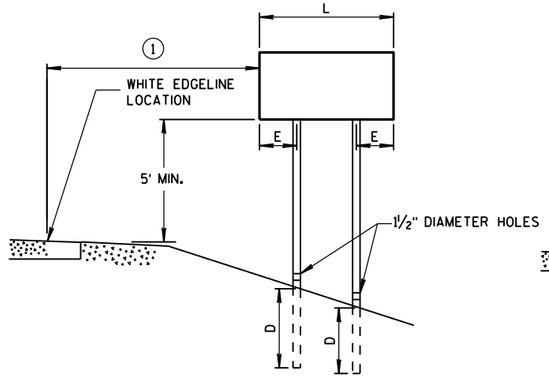
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

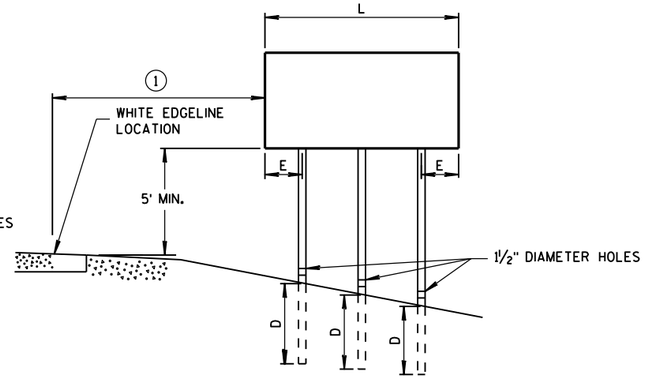
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK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

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



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

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

WOOD POST EMBEDMENT DEPTH

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

4" X 6" WOOD POST

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

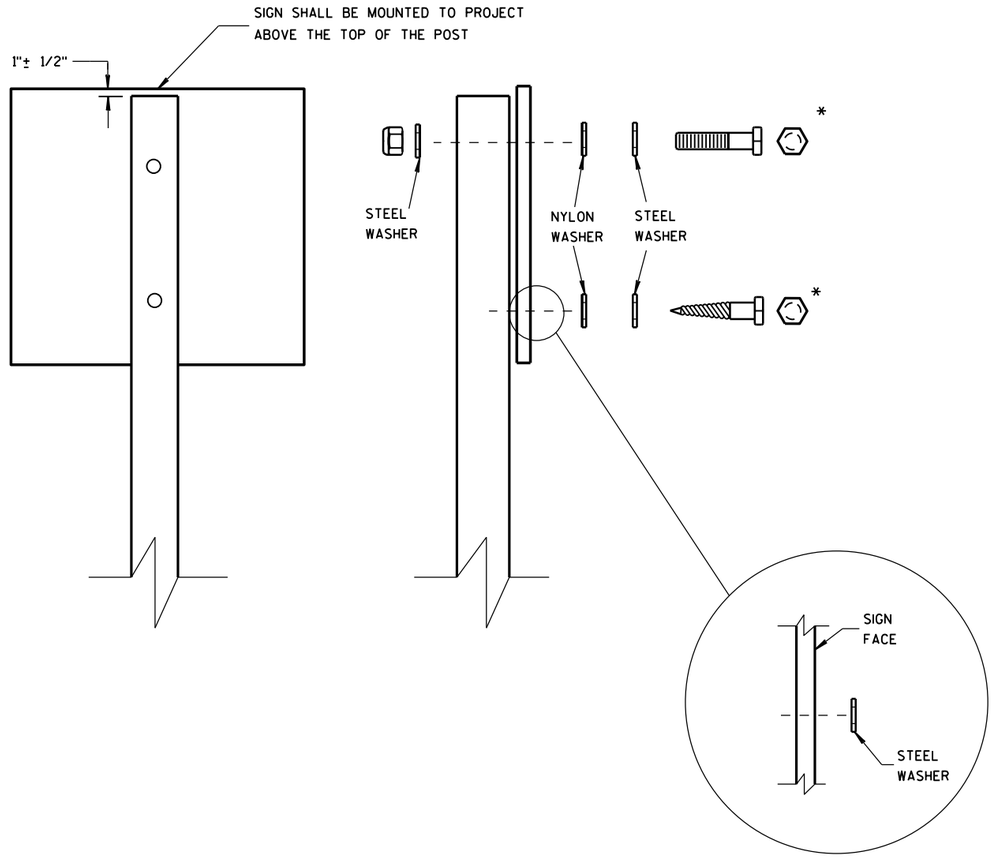
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

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



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

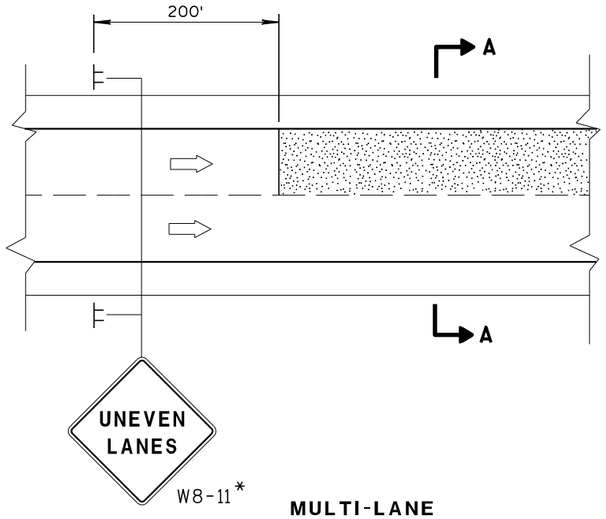
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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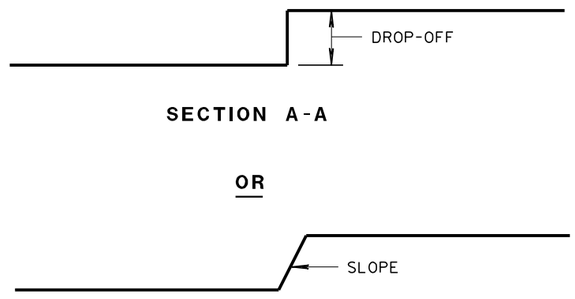
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA



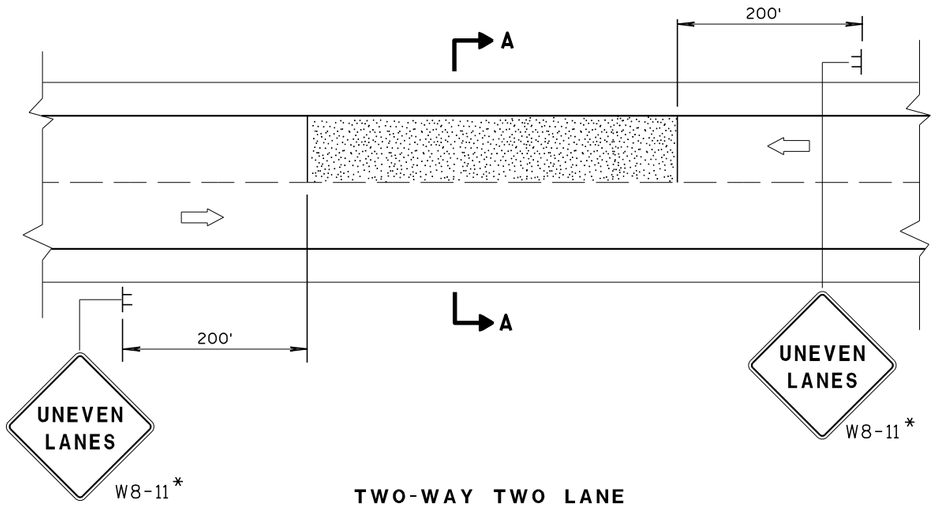
MULTI-LANE



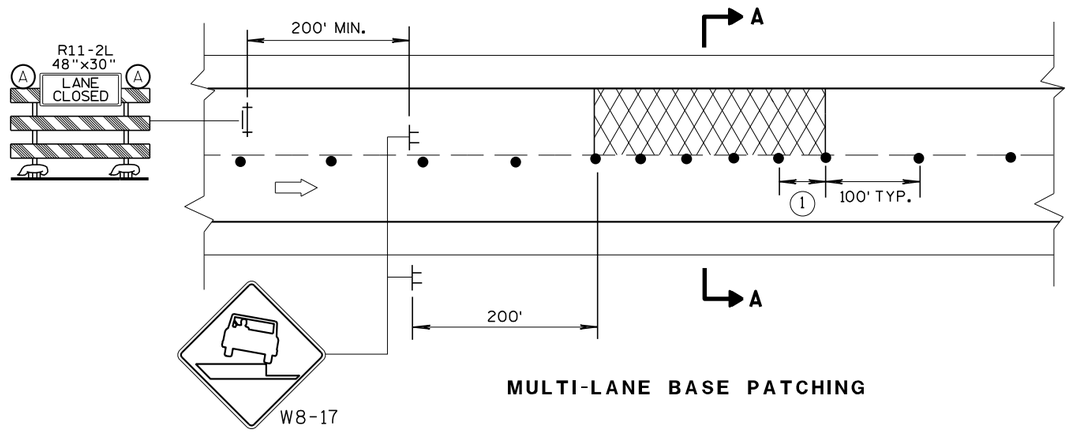
SECTION A-A

OR

SECTION A-A

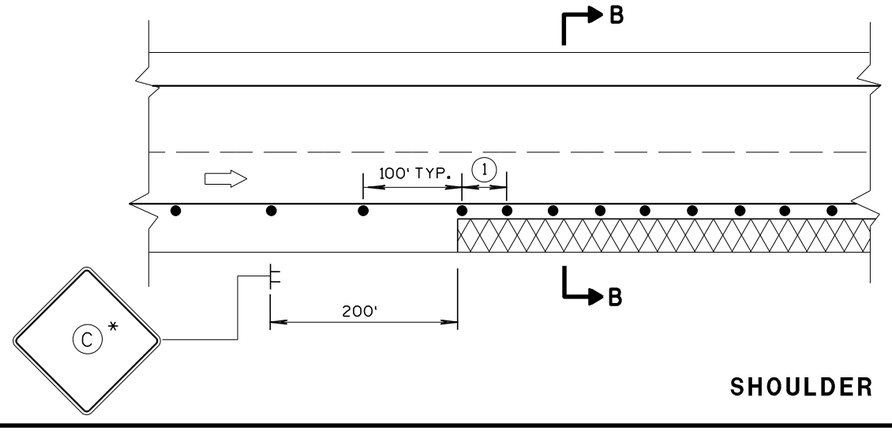


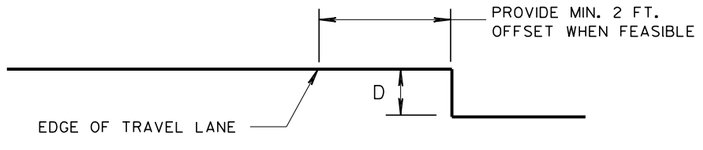
TWO-WAY TWO LANE



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS





SECTION B-B

SHOULDER DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

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

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

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

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

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Andrew H — WORK ZONE EN
FHWA

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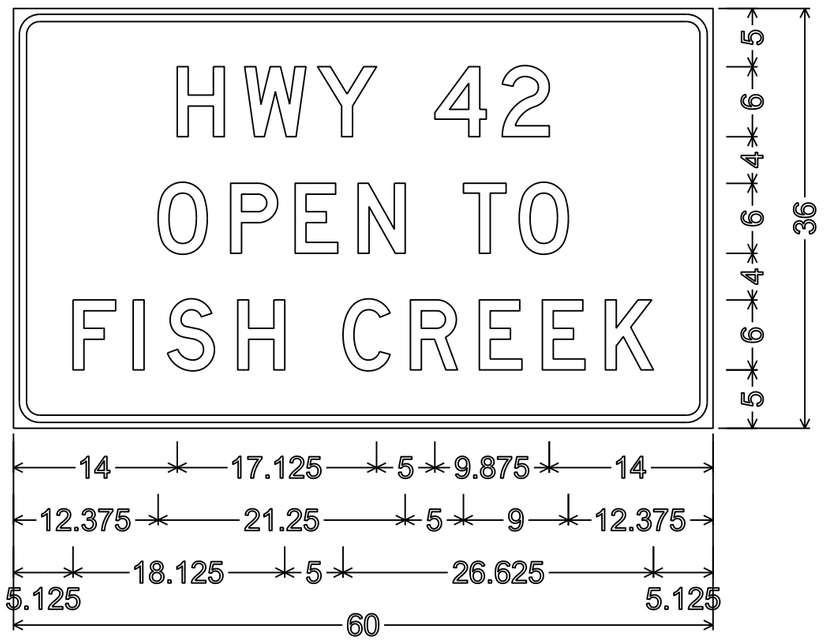
S.D.D. 15 D 39-2

6

S.D.D. 15 D 39-2

NOTES

1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent

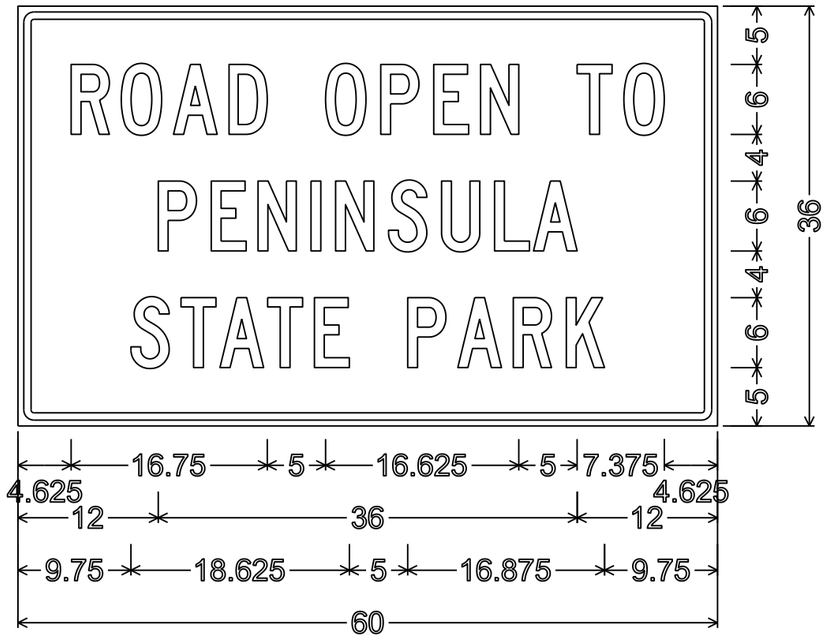
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7

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	TEMPORARY SIGNING	SHEET NO: 425	E

NOTES

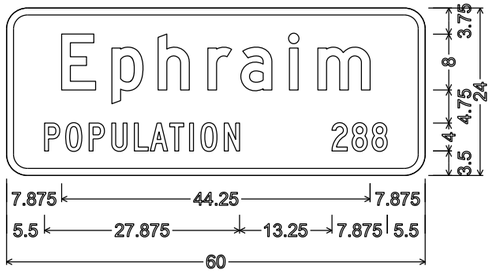
1. Fixed Message Type II Signs - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C



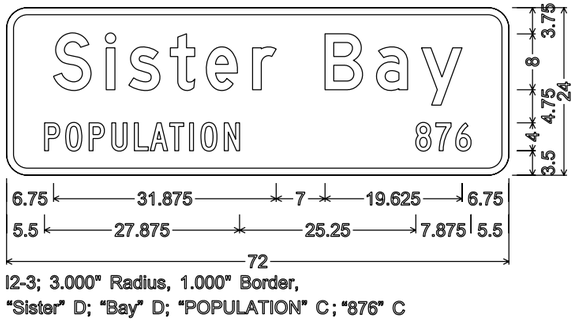
1.375" Radius, 0.625" Border, 0.500" Indent

NOTES

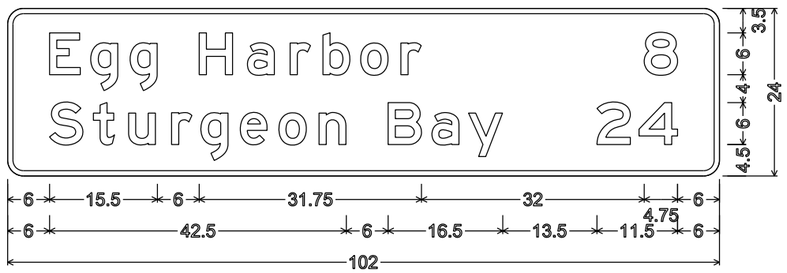
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E except as noted



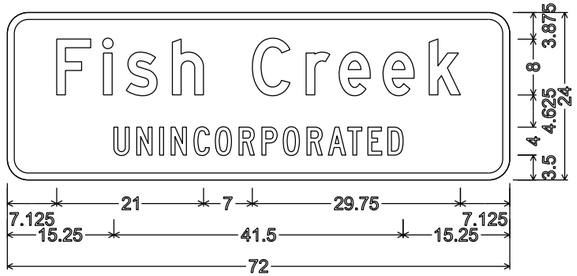
I2-3;
3.000" Radius, 1.000" Border,
"Ephraim" D; "POPULATION" C; "288" C



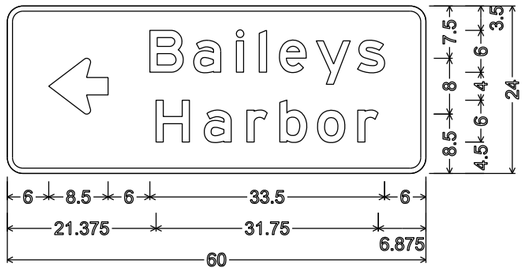
I2-3; 3.000" Radius, 1.000" Border,
"Sister" D; "Bay" D; "POPULATION" C; "876" C



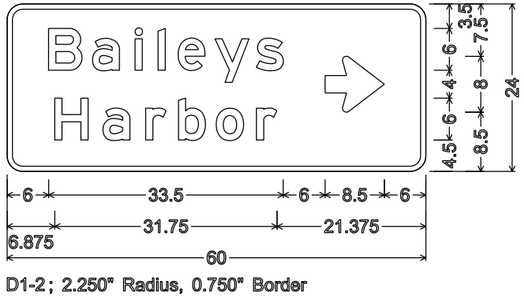
D2-2; 2.250" Radius, 0.750" Border



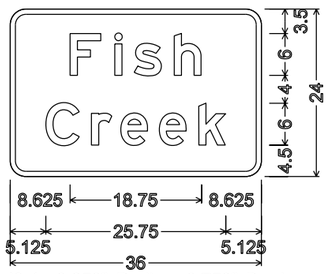
I2-3; 3.000" Radius, 1.000" Border, White on Green;
"Fish" D; "Creek" D;
"UNINCORPORATED" C 129% spacing;



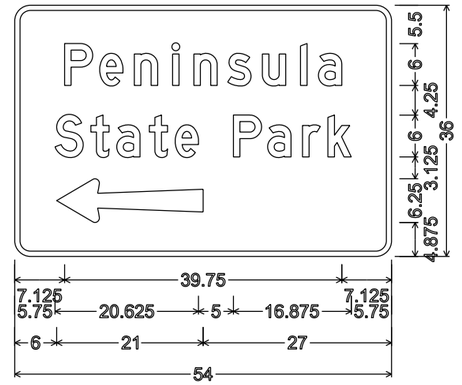
D1-2; 2.250" Radius, 0.750" Border



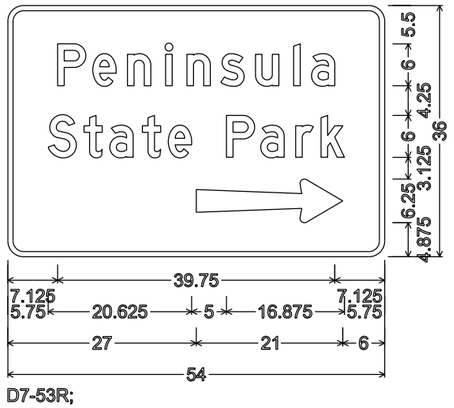
D1-2; 2.250" Radius, 0.750" Border



I3-1; 2.250" Radius, 0.750" Border



D7-53L;
2.250" Radius, 0.750" Border, White on Brown;
"Peninsula" D; "State" D; "Park" D



D7-53R;
2.250" Radius, 0.750" Border, White on Brown;
"Peninsula" D; "State" D; "Park" D

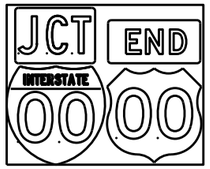
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7

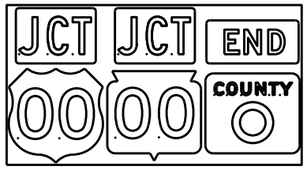
TYPICAL ASSEMBLIES



J1-1



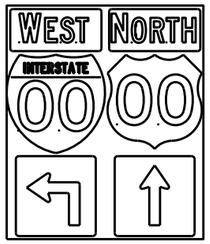
J1-2



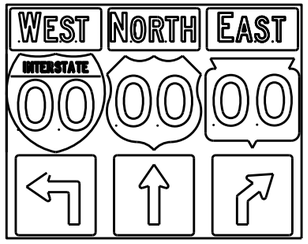
J1-3



J2-1



J2-2

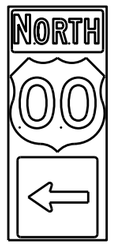


J2-3

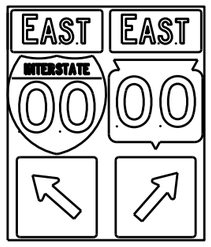


JV

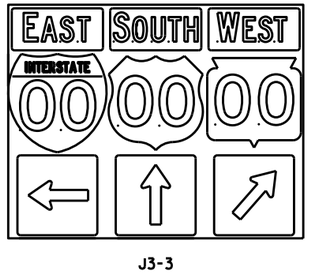
(Typical Vertical J-Assembly
See Note 10 and 11)



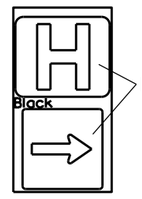
J3-1



J3-2



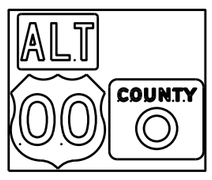
J3-3



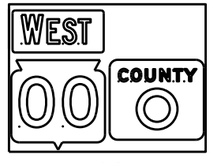
JH-1



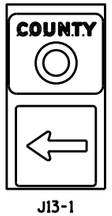
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

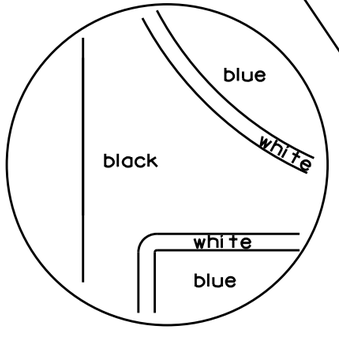


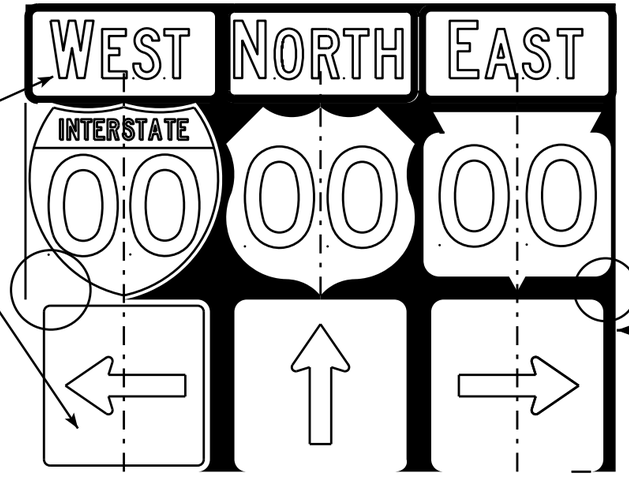
J23-1

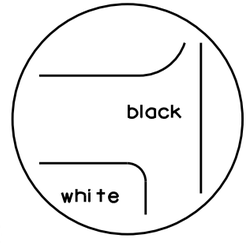


J22-1

[blue background with interstate]







[black background]

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 or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

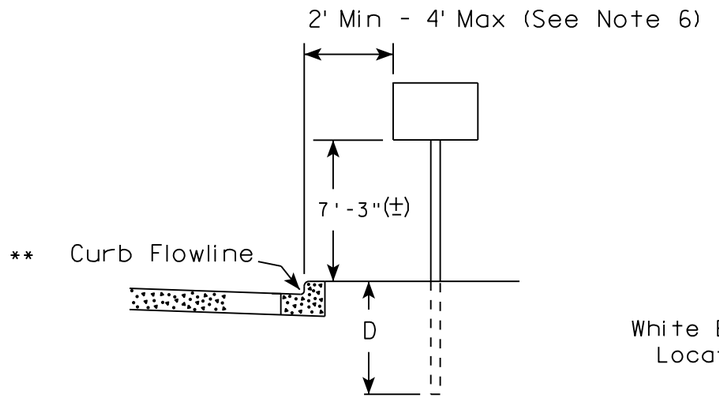
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

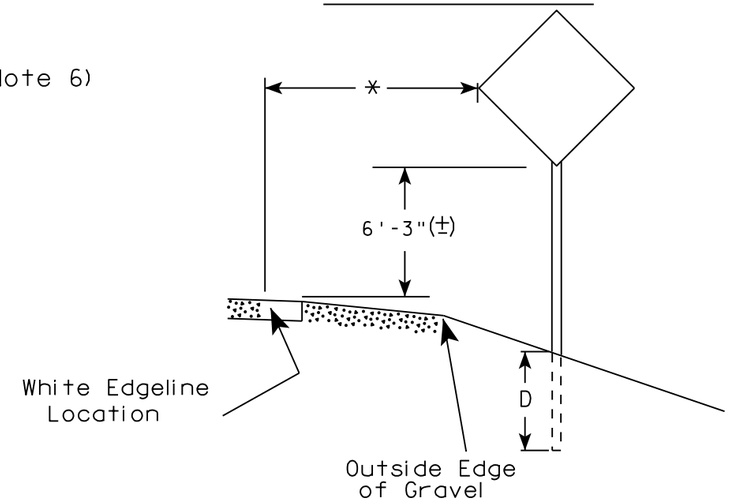
PROJECT NO: SHEET NO: E

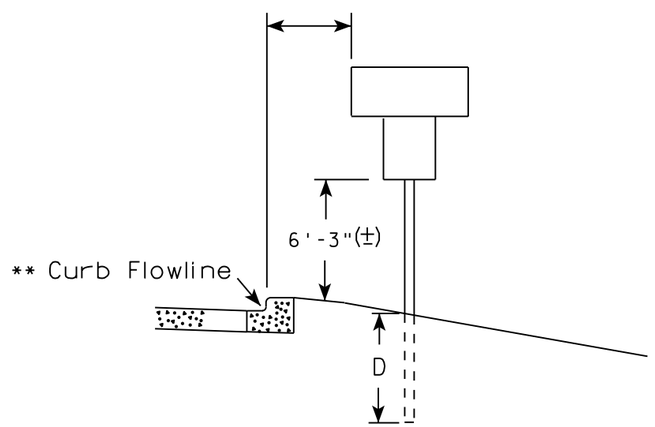
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WISDOT/CADDS SHEET 42

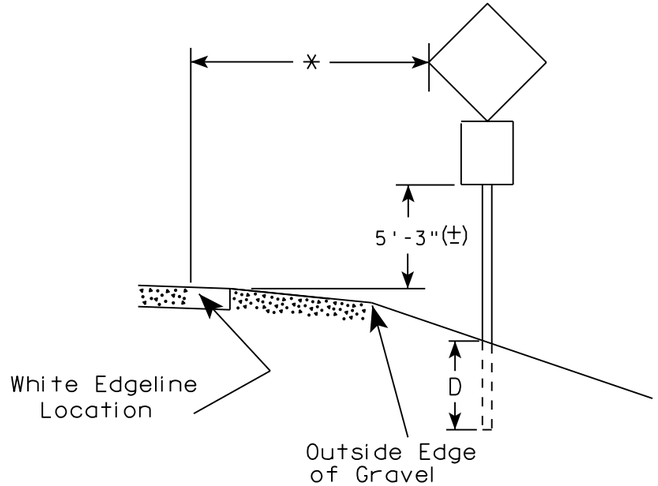
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on 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. J-Assemblies are considered to be one sign for mounting height.
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 signs shall be mounted at a height of 5'-3" (±) or as directd 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), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

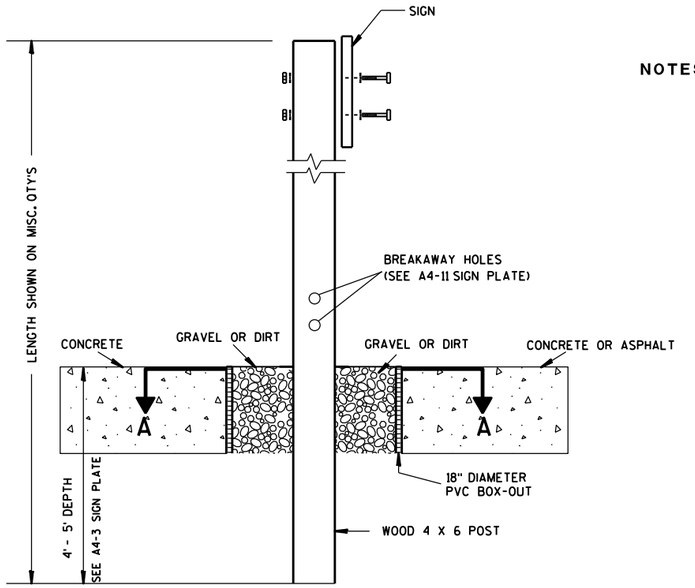
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

7 7

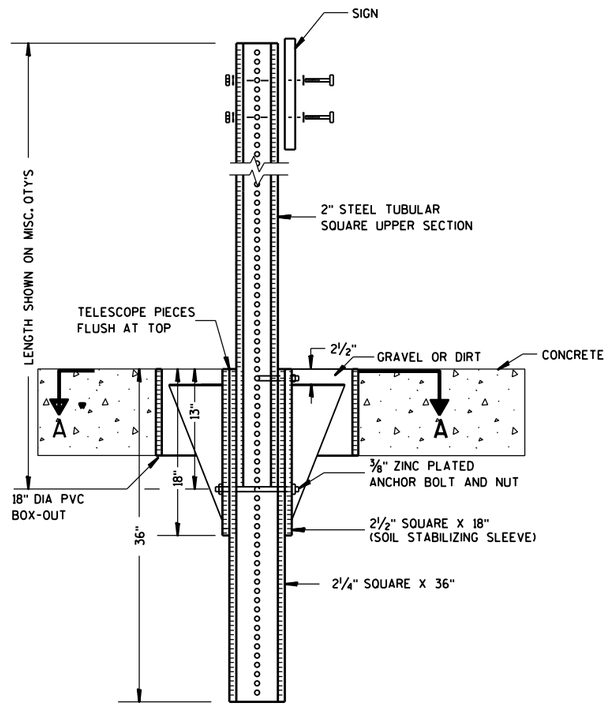
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 429	E



ELEVATION VIEW

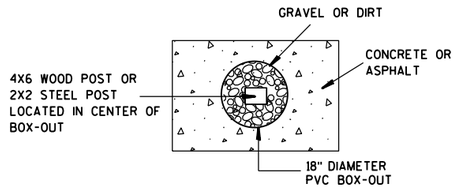
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

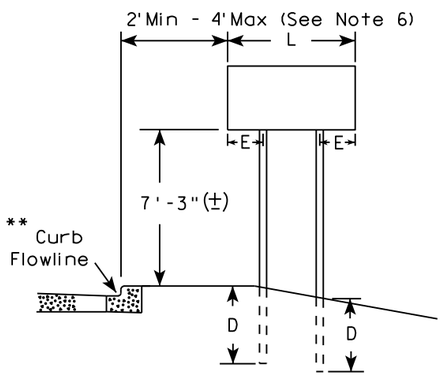
APPROVED Matthew R Rauch
for State Traffic Engineer

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

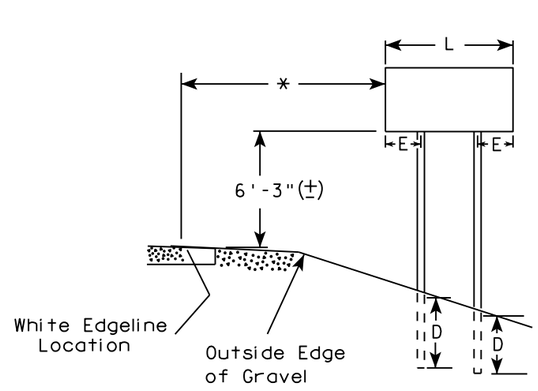
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

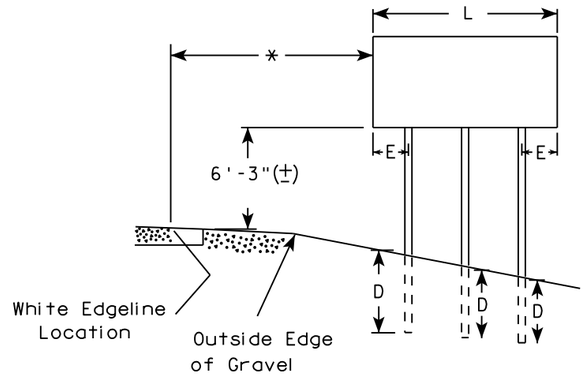
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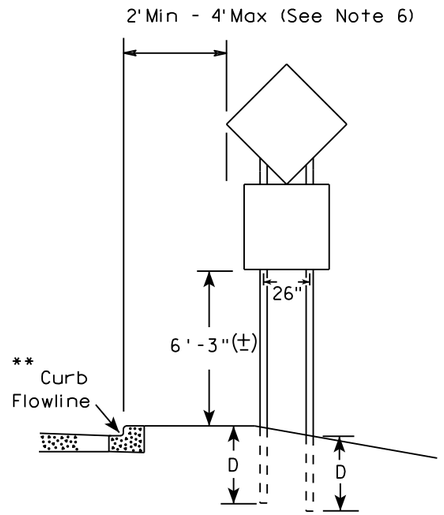
URBAN AREA



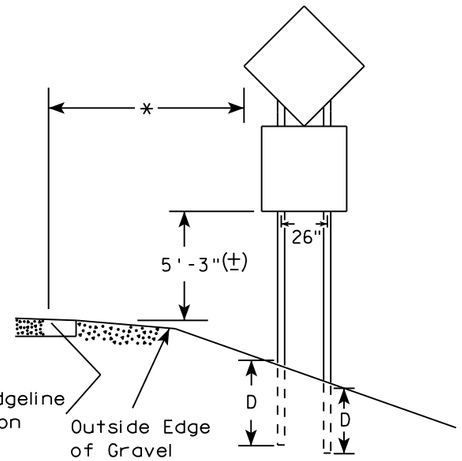
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

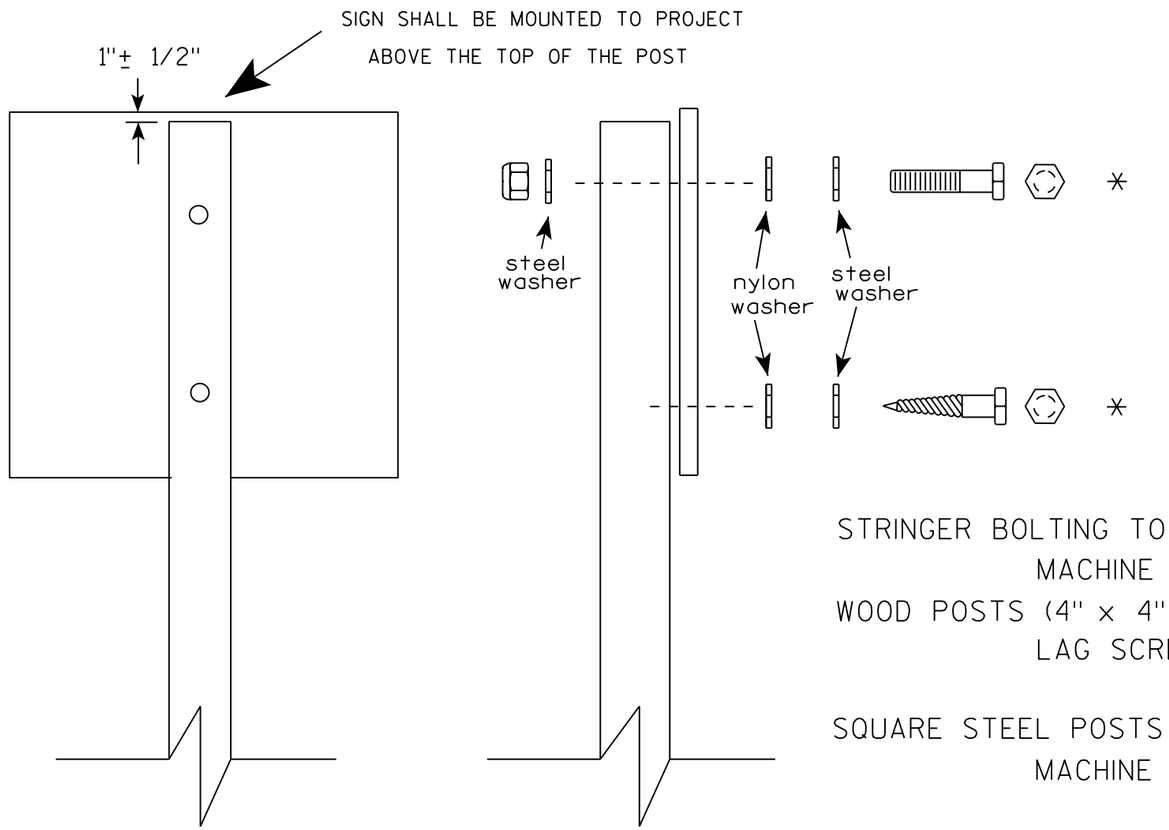
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 431	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

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

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8

7

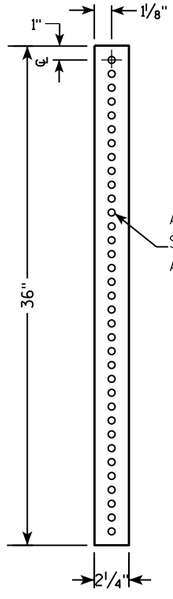
PROJECT NO:

SHEET NO: E

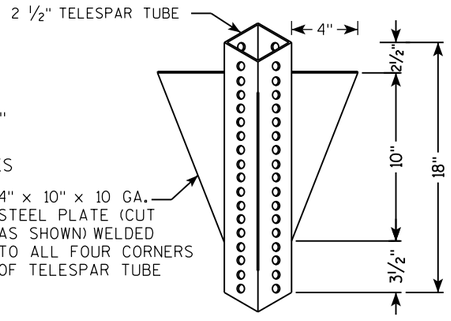
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

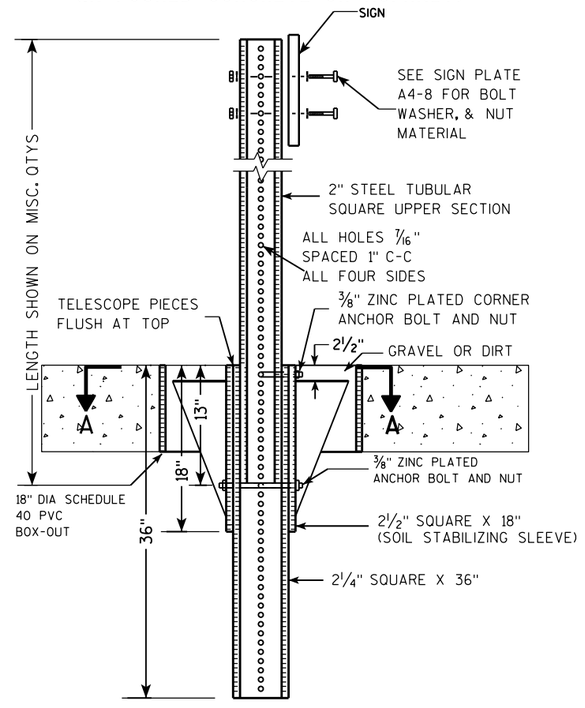
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



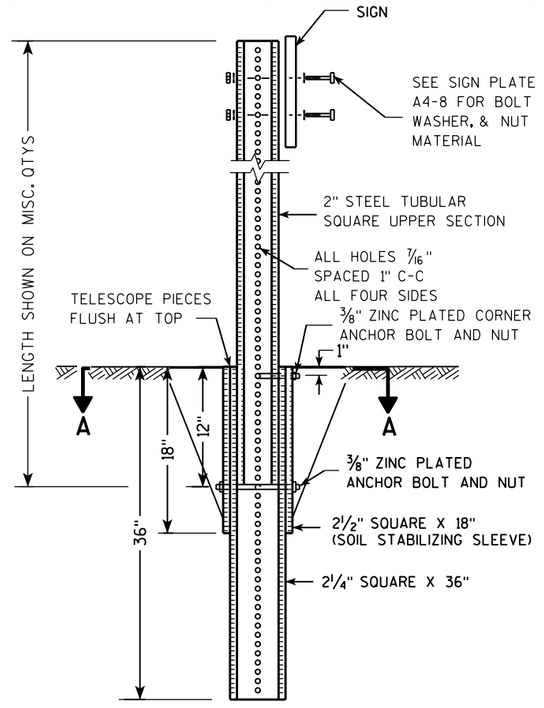
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

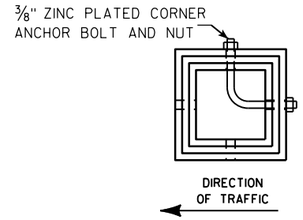


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

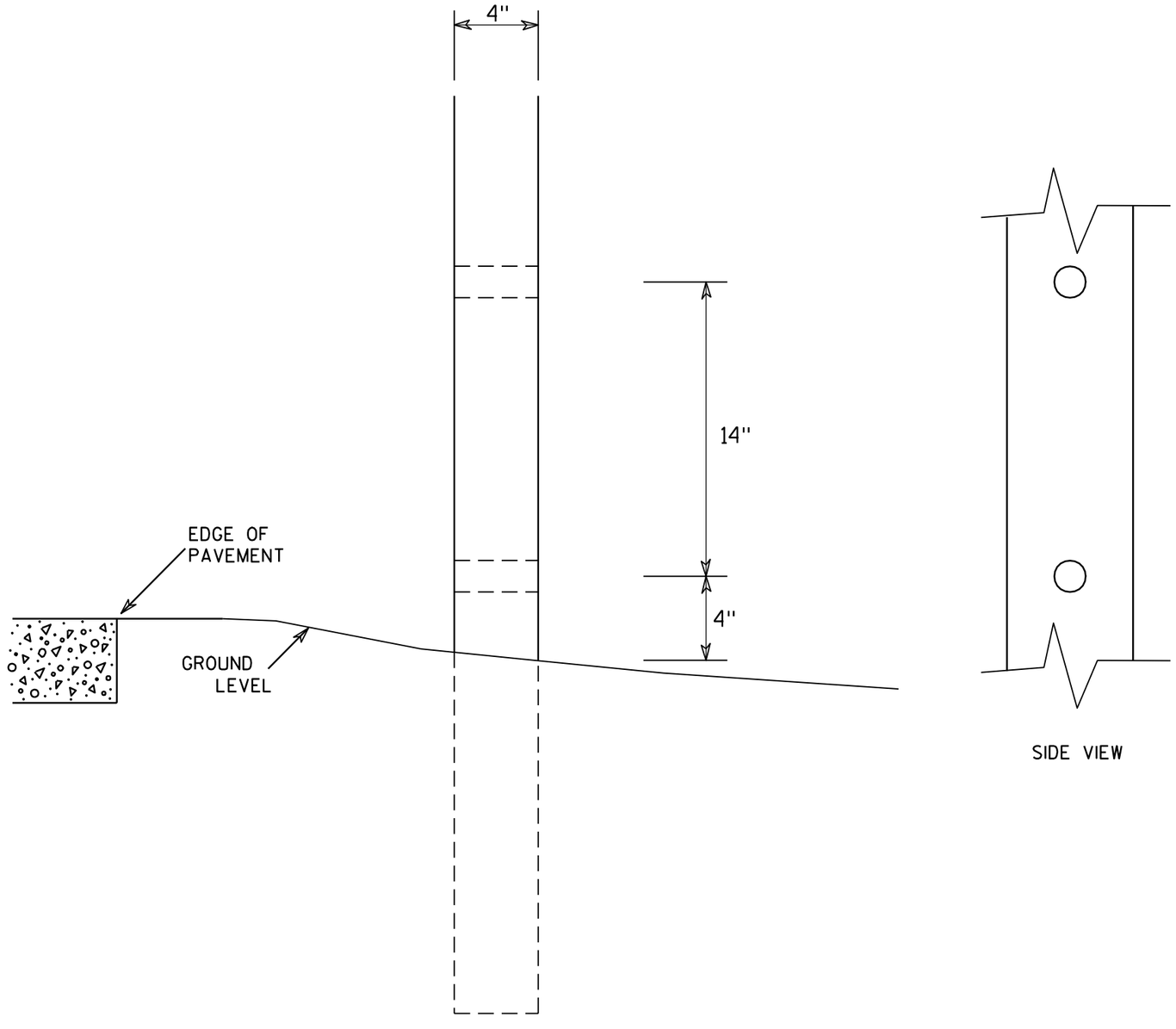
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 433 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

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

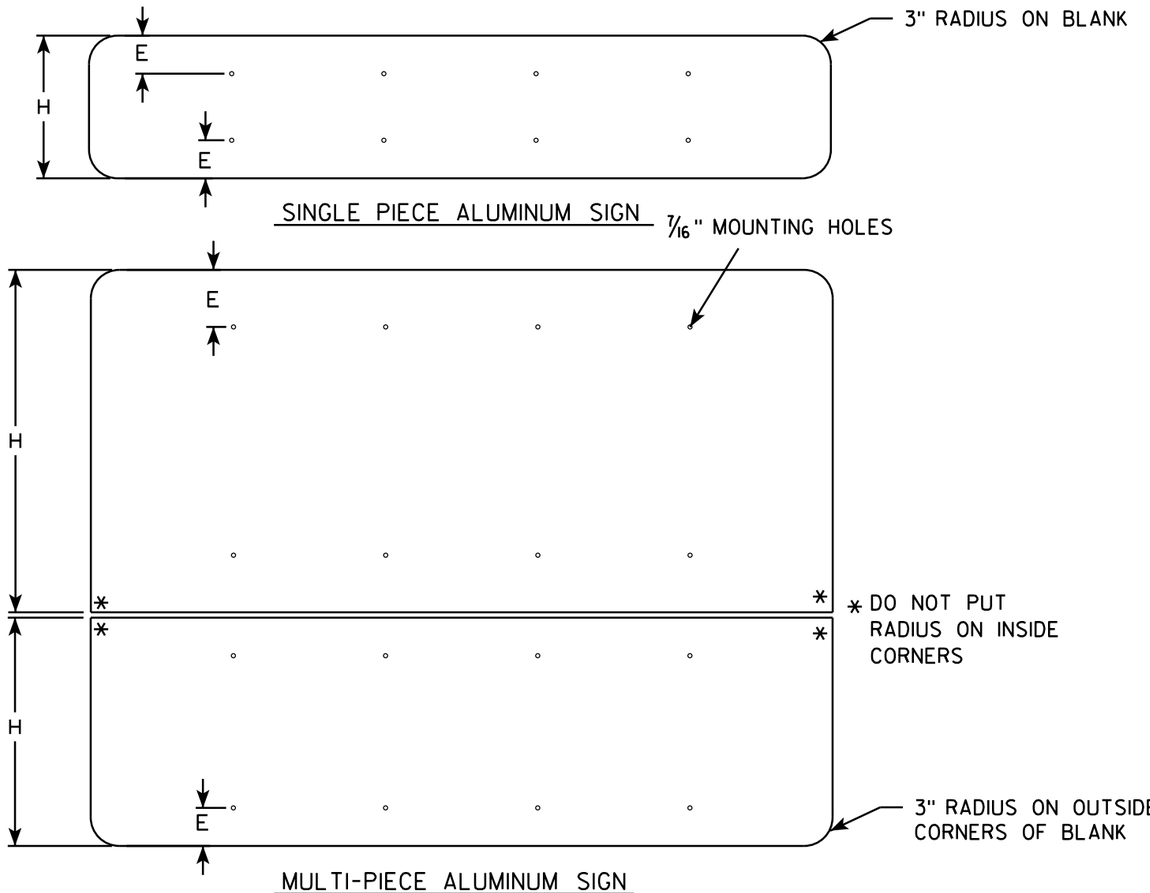
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

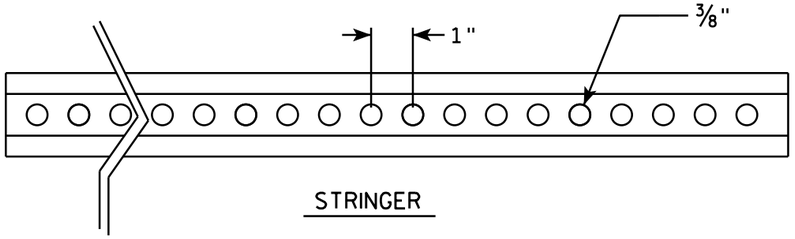
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 434	E

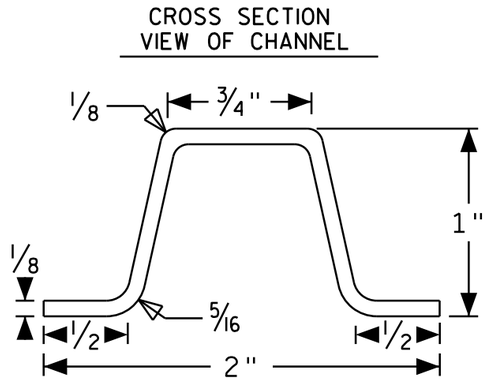


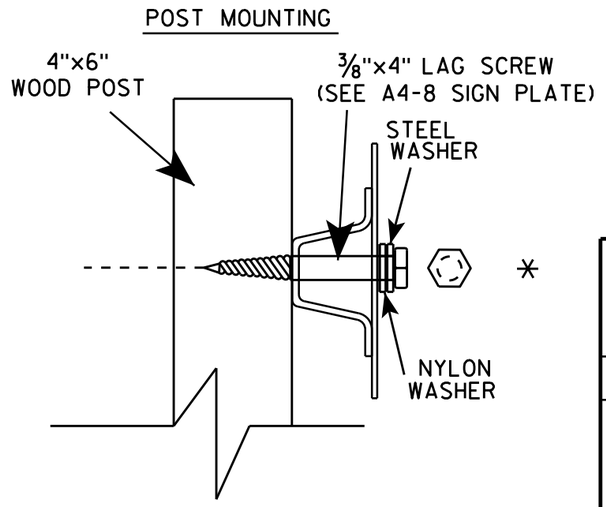
GENERAL NOTES

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

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







SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

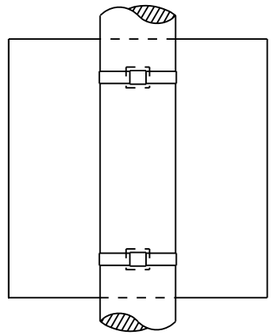
DATE 4/26/16 PLATE NO A4-18.1

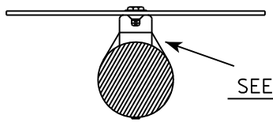
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

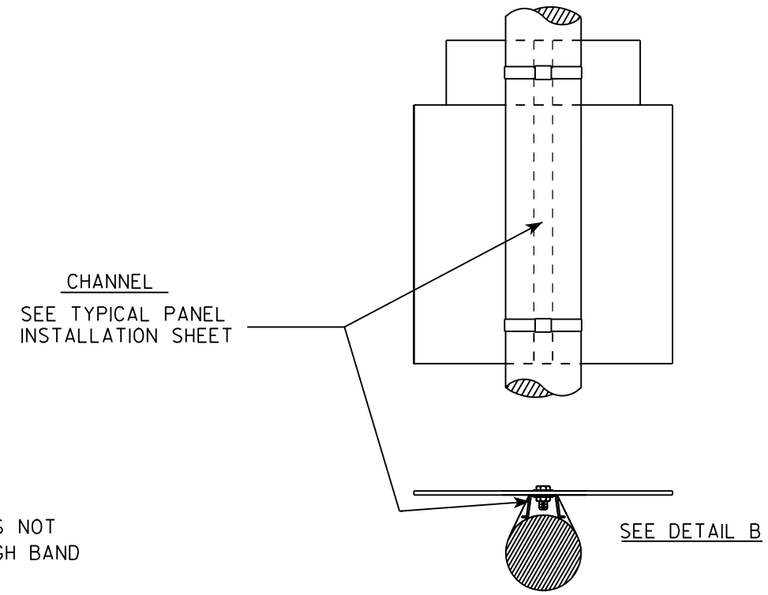
BANDING

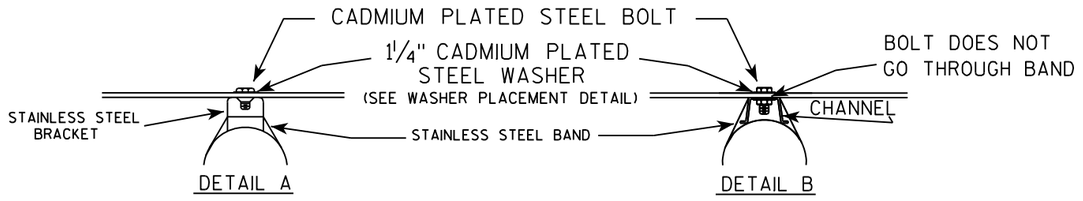
SINGLE SIGN



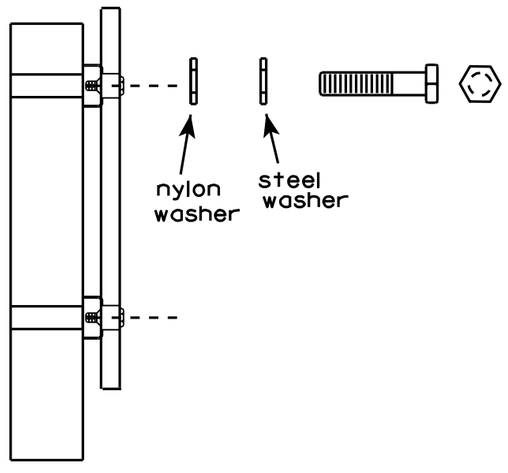


"J" ASSEMBLY





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

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.

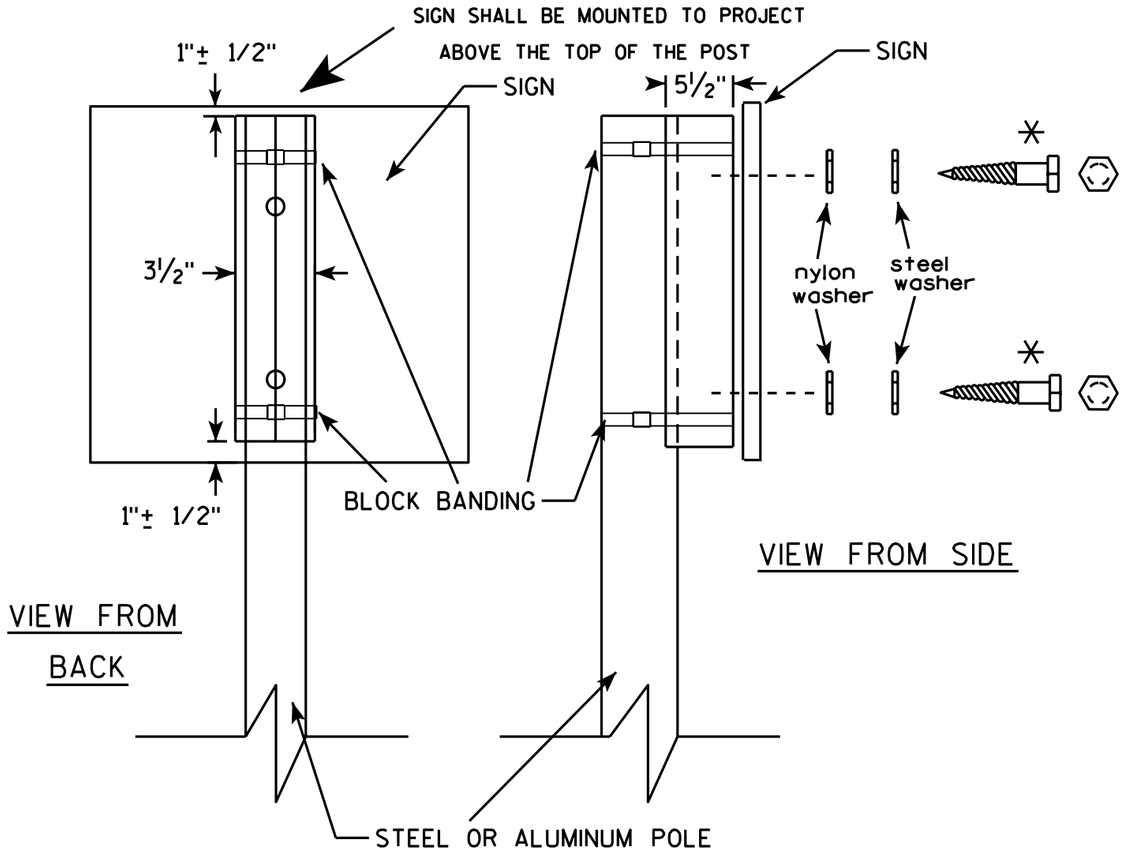
STANDARD SIGN
SIGN BANDING DETAILS

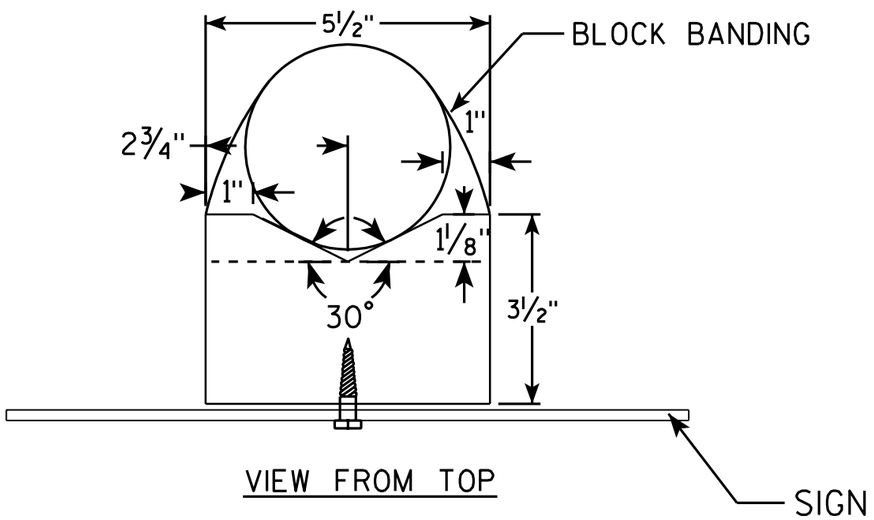
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 436	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

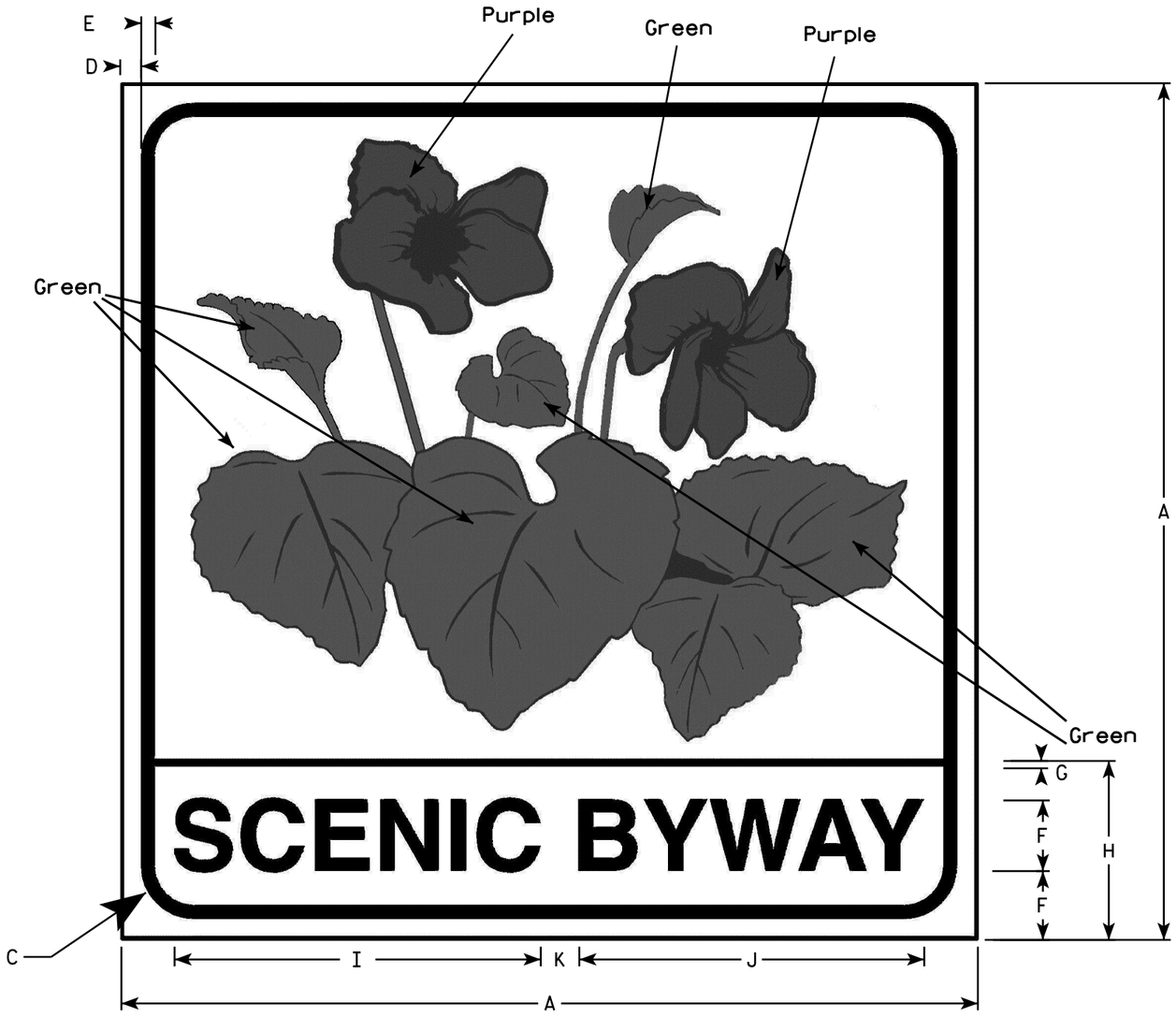
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 437 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42



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 Except as noted
   Border of Leaves and Flowers is Black
3. Message Series - Special
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. Contact WisDOT with any questions.

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	5/8	3/8	2	1/4	5	10 1/4	9 5/8	1 1/8																4.0	.36
3																												
4	36		4	7/8	5/8	3	1/4	7 1/2	15 3/8	14 1/2	1 5/8																9.0	.81
5																												

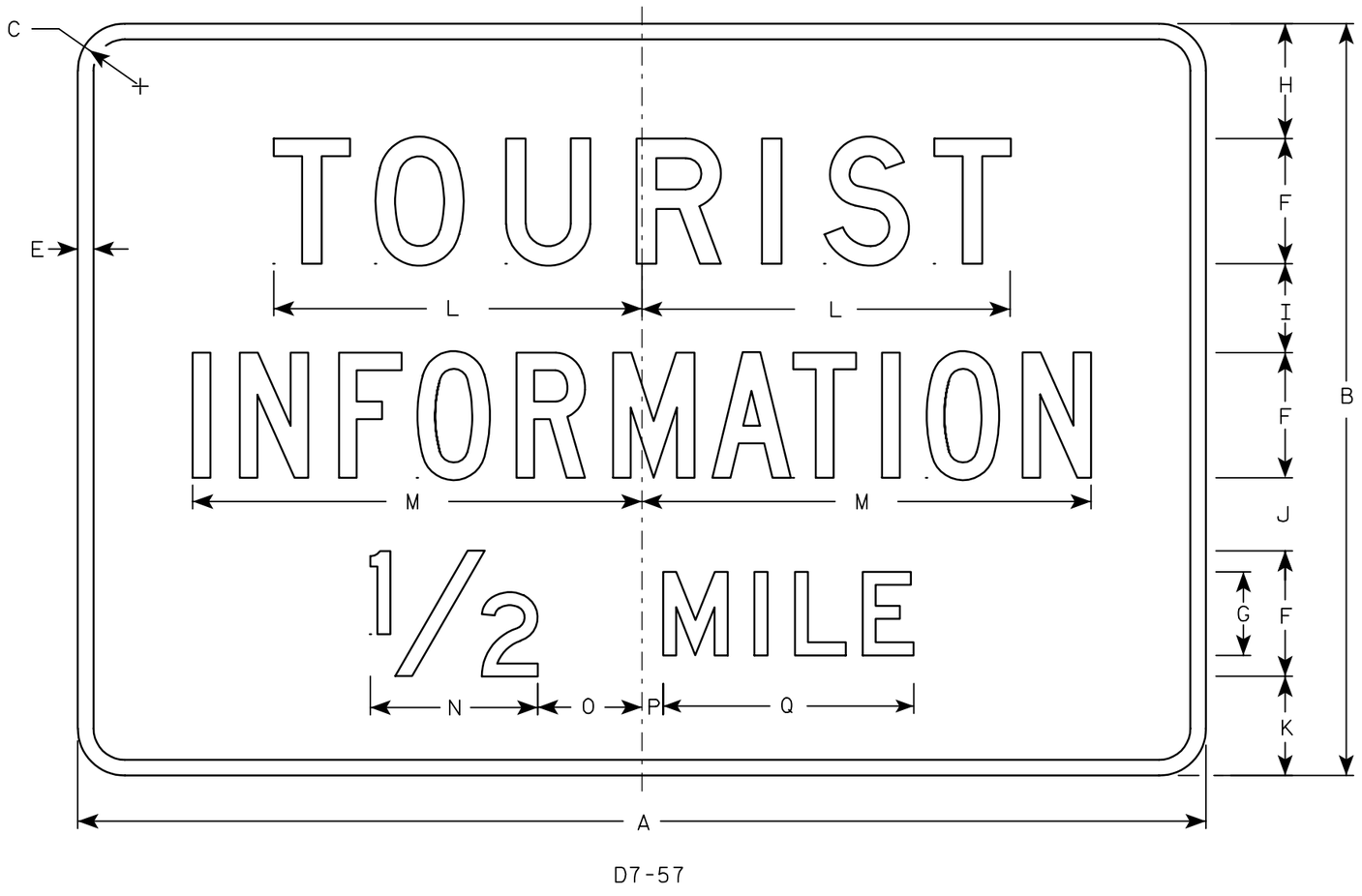
STANDARD SIGN
D6-4S

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 10/05/09 PLATE NO. D6-4S.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 438 | E



D7-57

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 & 3 are series D
   Line 2 is series C.

Metric equivalent for this sign is:

SIZE	
1	
2	1350 mm X 900 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	54	36	2 1/4		3/4	6	4	5 1/2	4 1/4	3 1/2	4 3/4	17 5/8	21 1/2	8	5	1	12										13.5	1.22
3																												
4																												
5																												

STANDARD SIGN
D7-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Charles J Spay for State Traffic Engineer

DATE 1/10/02 PLATE NO. D7-57.5

STATE PROJECT NUMBER: | SHEET NO: 439 | E

FILE NAME : C:\Users\Projects\tr_stdplate\D757.DGN PLOT DATE : 22-JAN-2002 08:10 ORG DATE : 5/22/97 Originator : Don Kluever

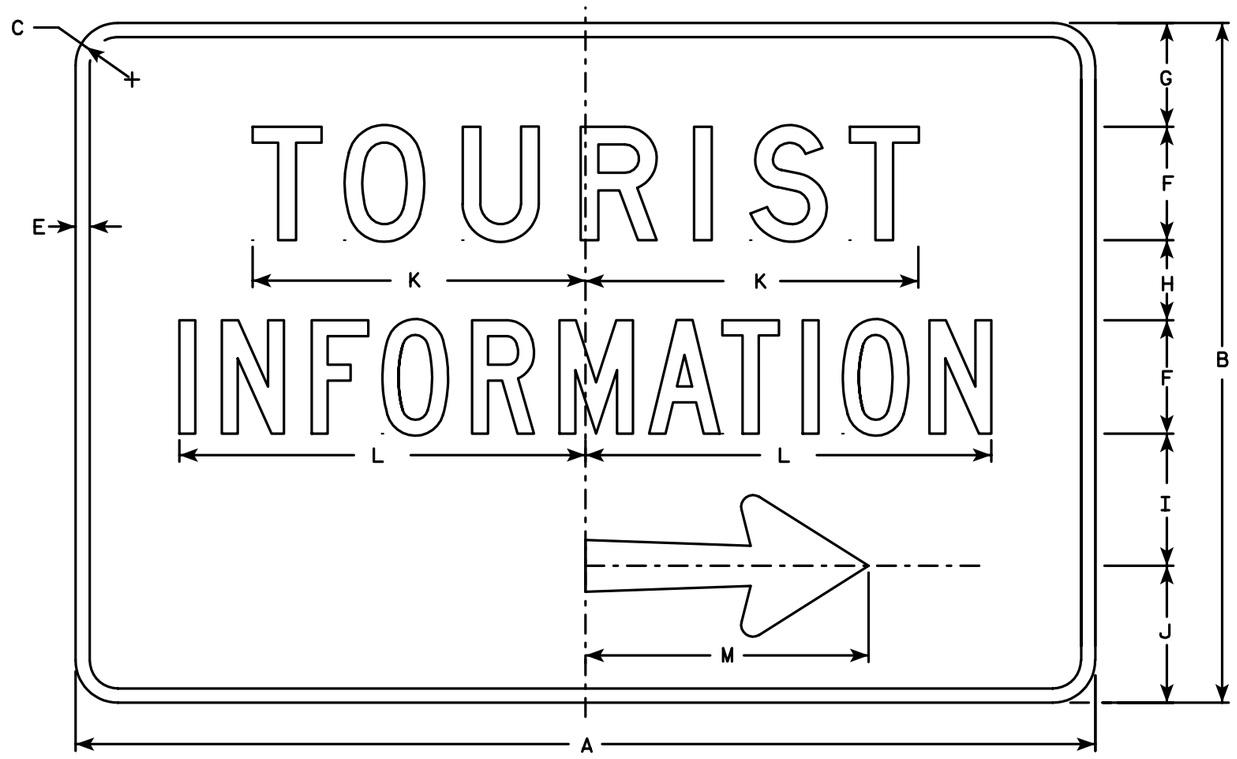
WISDOT/CADDS SHEET 42

7

7

58,59,60,61,62,63

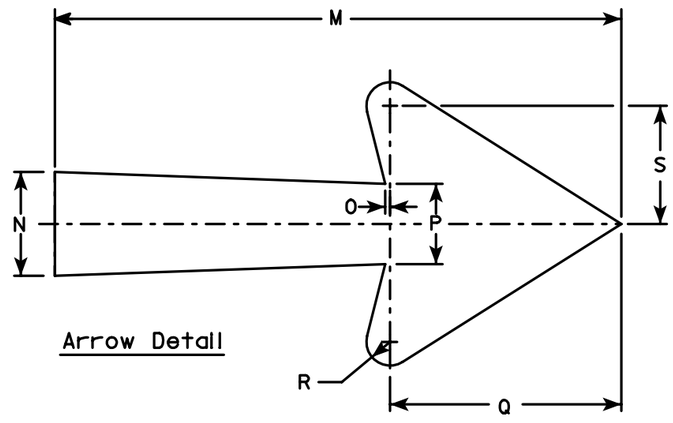
LEVELS ON - 2,3, 5,6, 10,



D7-59R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 are series D
   Line 2 is series C
6. D7-59L is same as D7-59R except the arrow is reversed.



Arrow Detail

Metric equivalent for this sign is:

SIZE	
1	
2	1350 mm X 900 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	54	36	2 1/4		3/4	6	5 1/2	4 1/4	7	7 1/4	17 5/8	21 1/2	15	2 3/4	1/8	2 1/8	6 1/8	5/8	3 1/8								13.5	1.22
3																												
4																												
5																												

STANDARD SIGN
D7-59

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spear
for State Traffic Engineer

DATE 1/11/02 PLATE NO. D7-59.6

STATE PROJECT NUMBER:

SHEET NO: 440 E

7

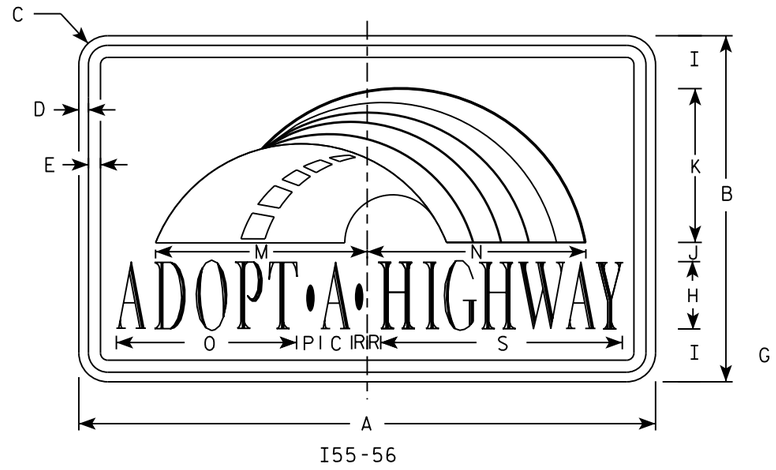
7

58,59,60,61,62,63

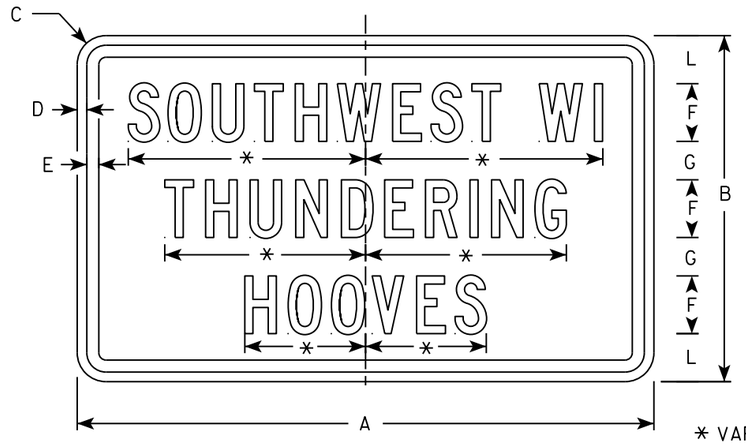
LEVELS ON - 2.3. 5.6. 10.

FILE NAME : C:\Users\Projects\tr_stdplate\D759.DGN PLOT DATE : 22-JAN-2002 08:12 ORG DATE : 5/21/97 Originator : Don Kluever

WISDOT/CADDS SHEET 42



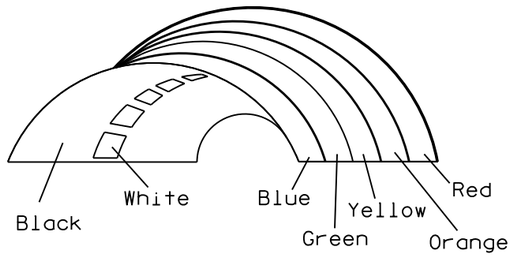
I55-56



I55-56P

* VARIES

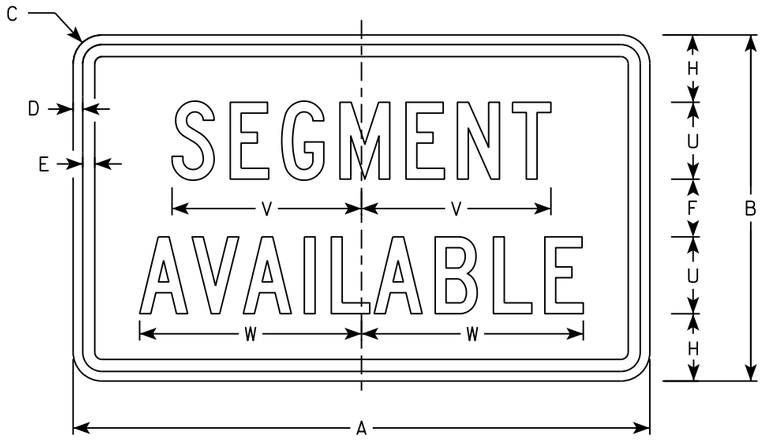
Background Colors of Symbol*



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

NOTES

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



I55-56S

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

STANDARD SIGN
I55-56

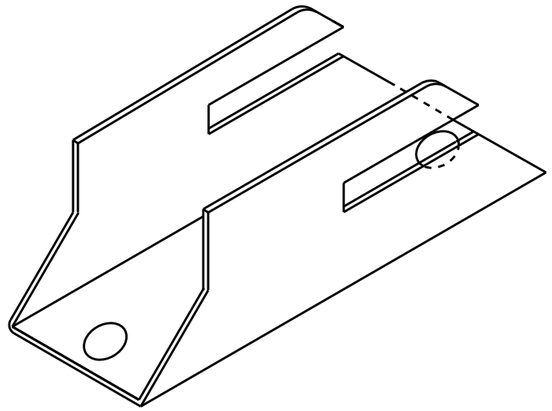
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

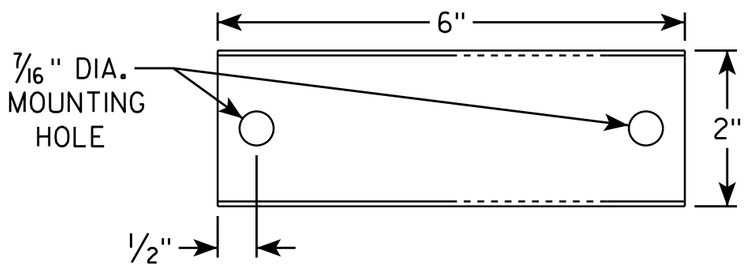
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 441 | E

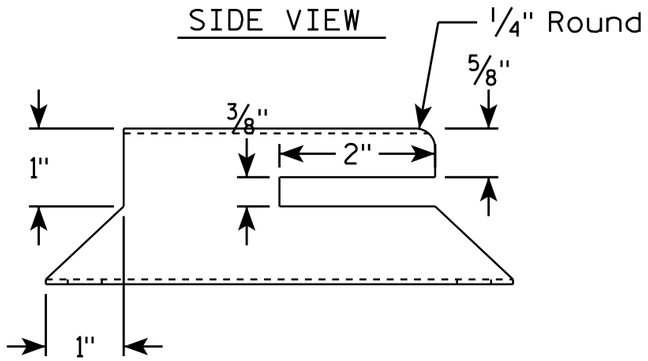
ISOMETRIC VIEW



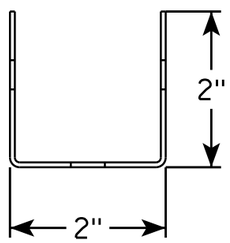
TOP VIEW



SIDE VIEW



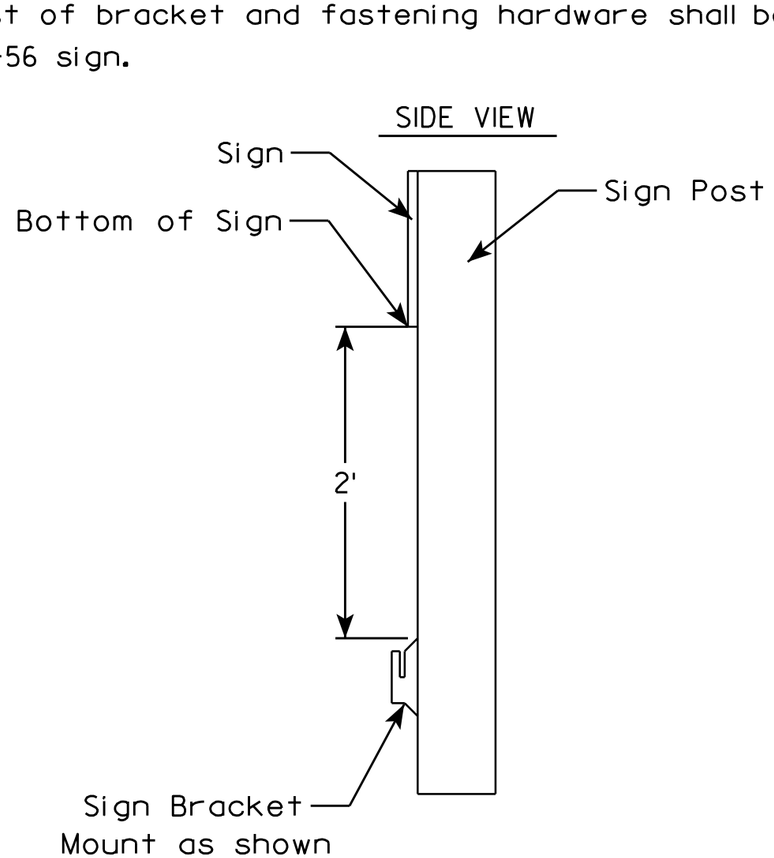
END VIEW



NOTES

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

SIDE VIEW



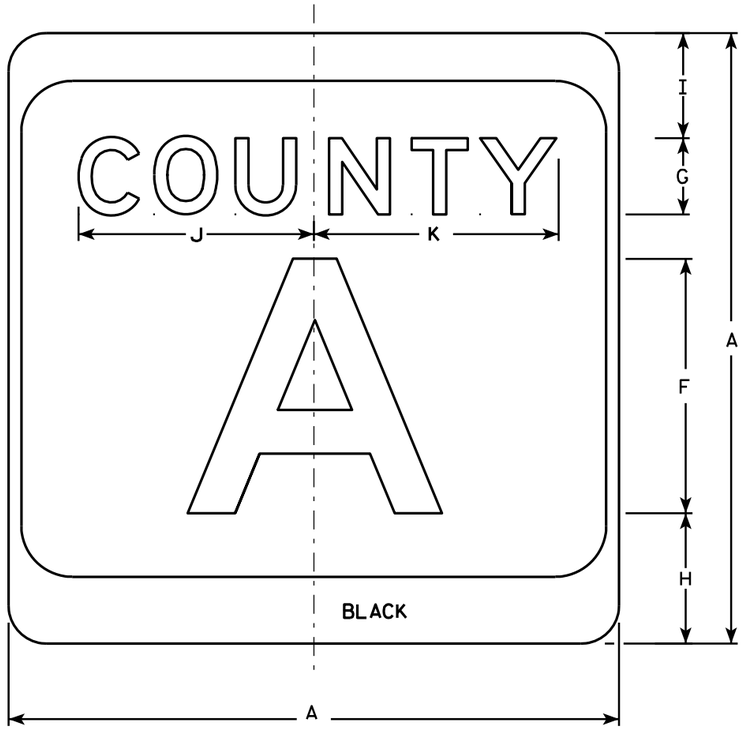
ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

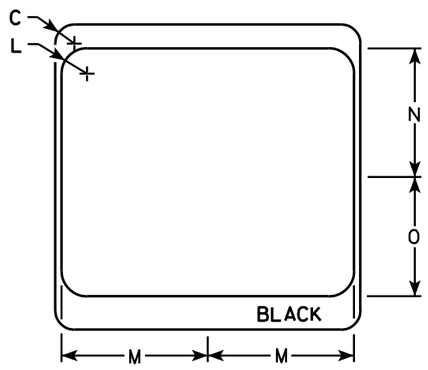
APPROVED Matthew R Rauch
for State Traffic Engineer

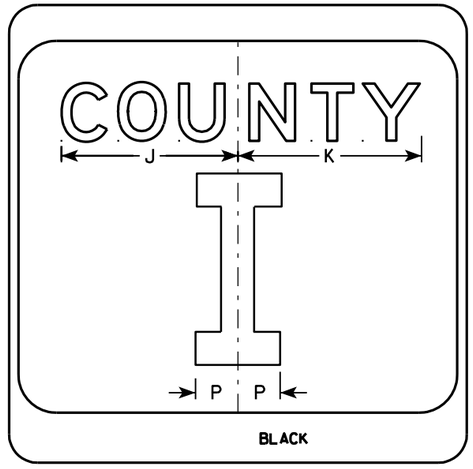
DATE 4/26/16 PLATE I55-56B.2

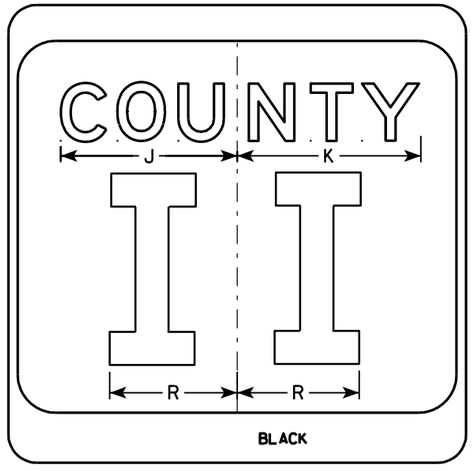
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

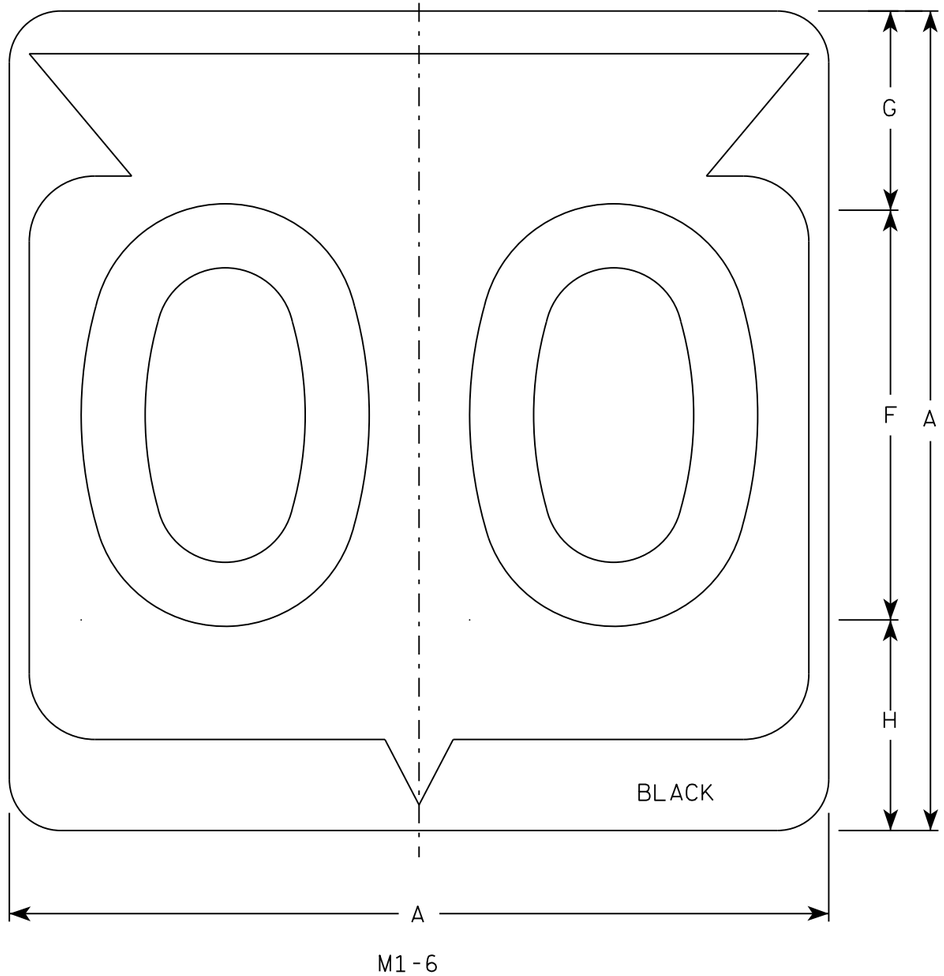
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

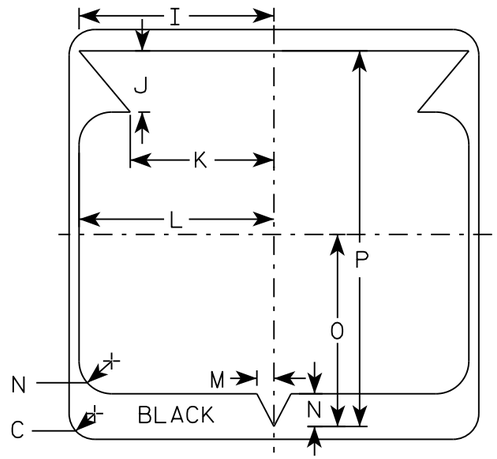
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 443	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 444	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 - Green
   Message - White - Graphics - White
   Circle Tour Message is Green
3. Message Series - Special
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24			1 1/8	1/2																						4.0	.36
3																												
4	36			1 5/8	3/4																						9.0	.81
5																												

STANDARD SIGN
M1-93

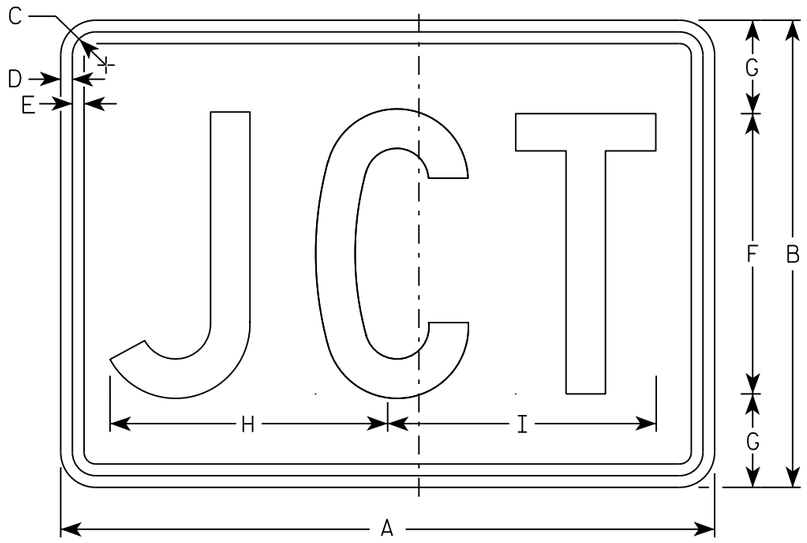
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

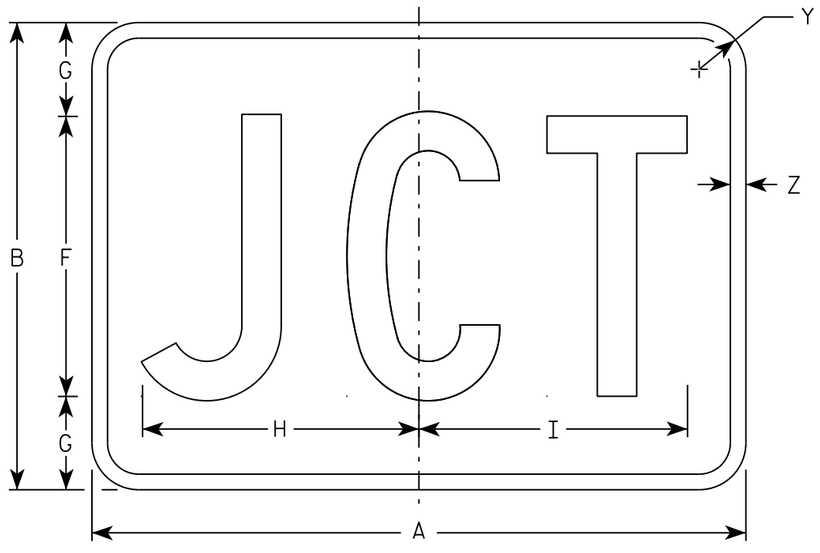
DATE 11/5/15 PLATE NO. M1-93.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M193.DGN PLOT DATE : 01-DEC-2015 18:00 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

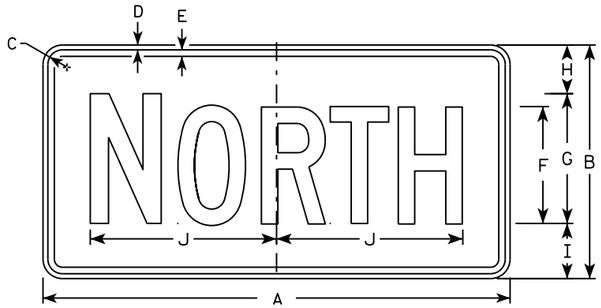
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

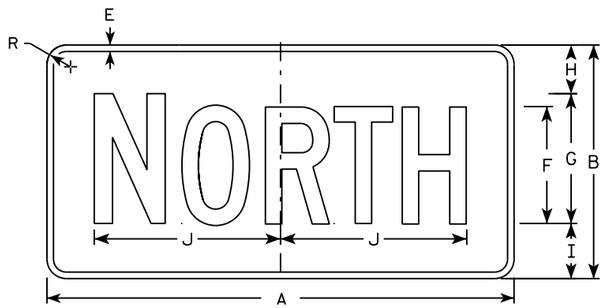
DATE 10/15/15 PLATE 446 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



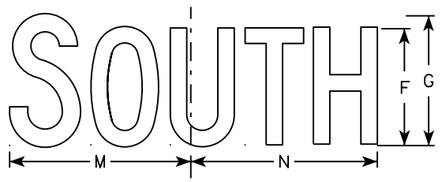
MB3-1
MK3-1
MN3-1



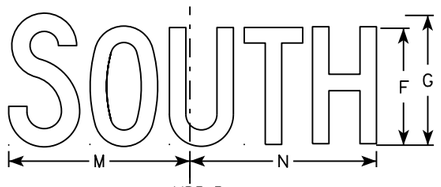
M3-2
MM3-2
MP3-2



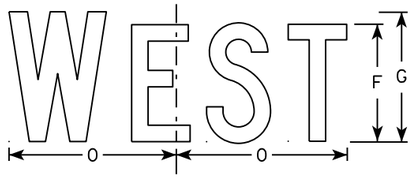
MB3-2
MK3-2
MN3-2



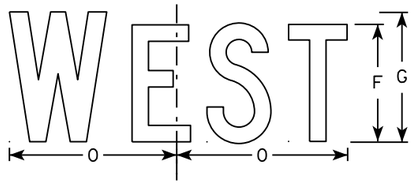
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

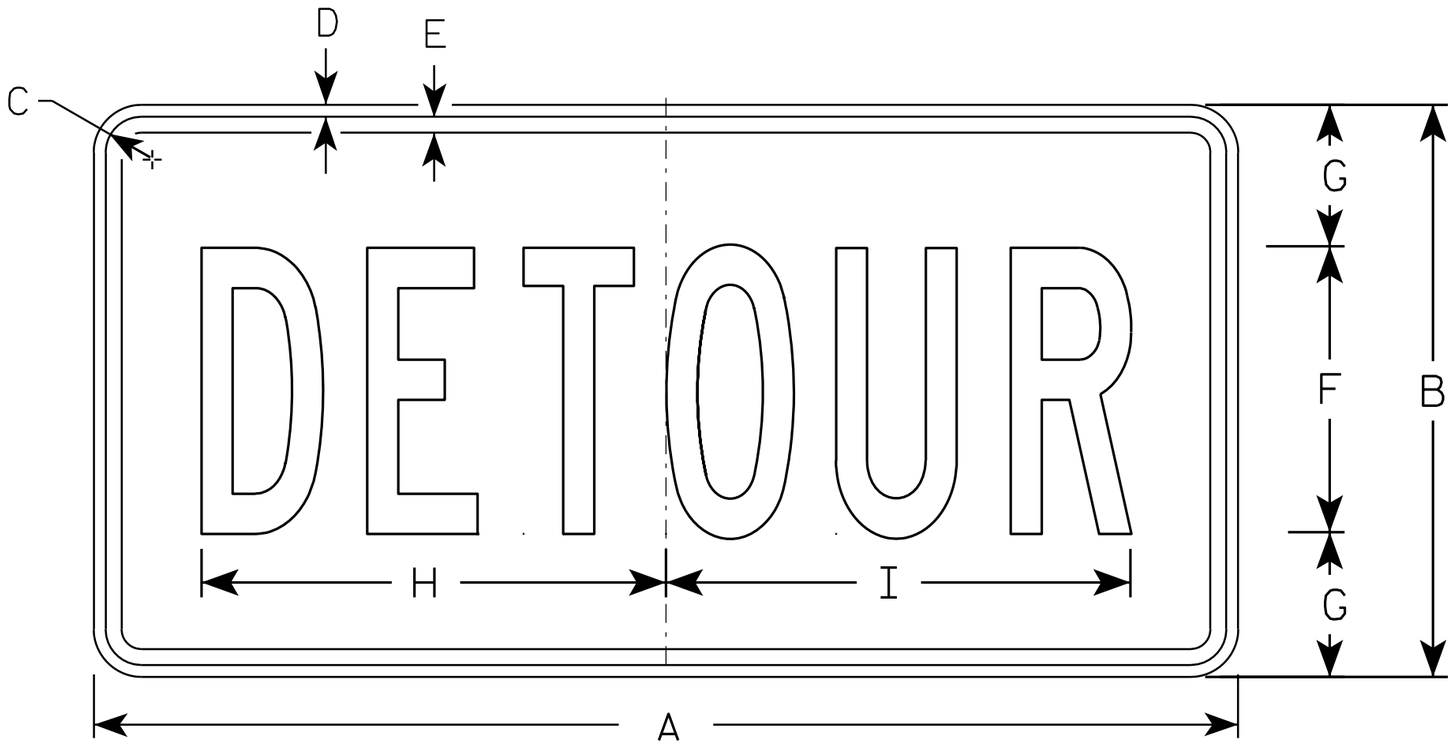
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

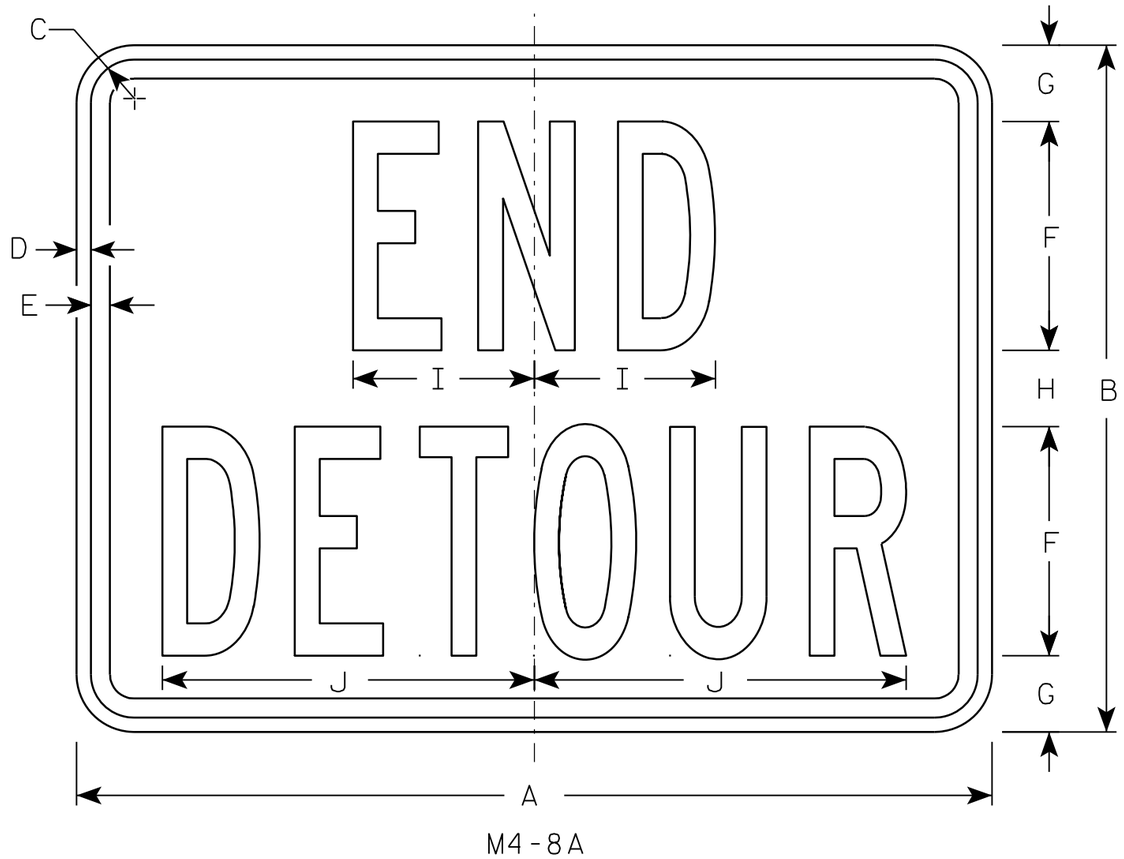
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 448	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

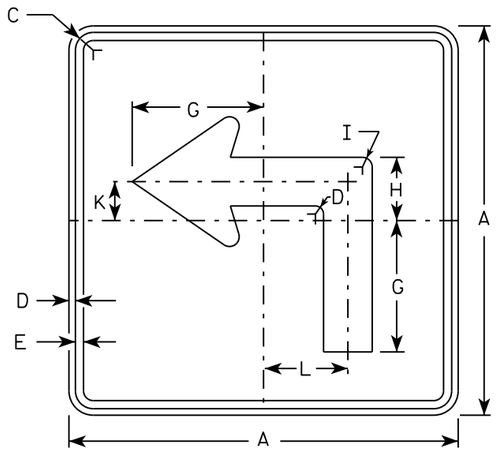
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

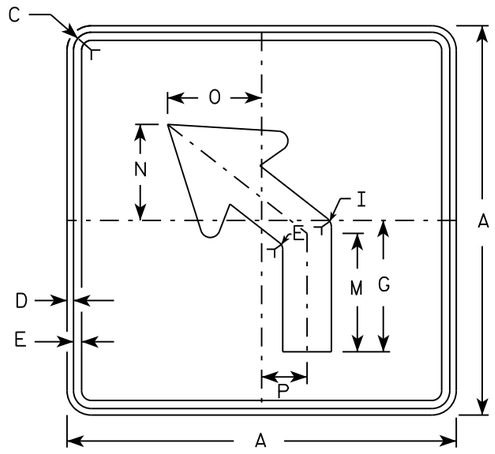
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

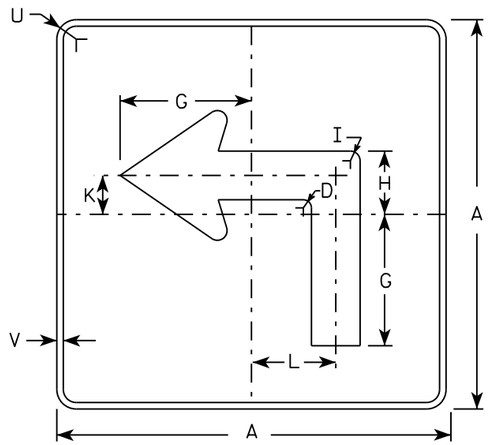
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 449	E



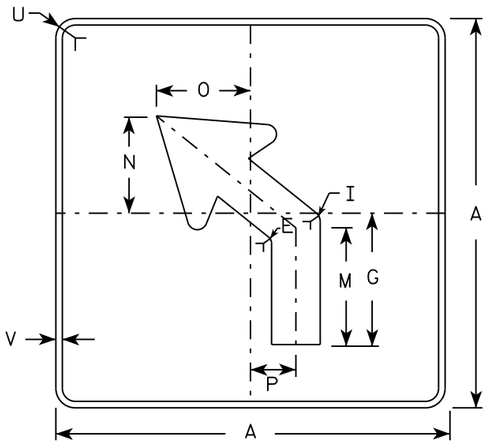
M5-1L
MM5-1L
MO5-1L
MP5-1L



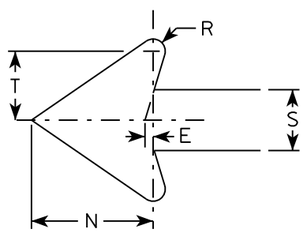
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

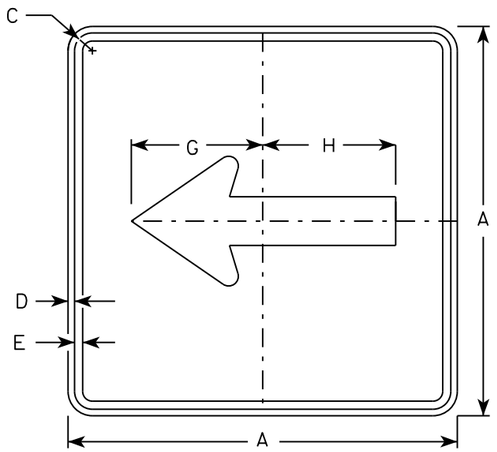
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

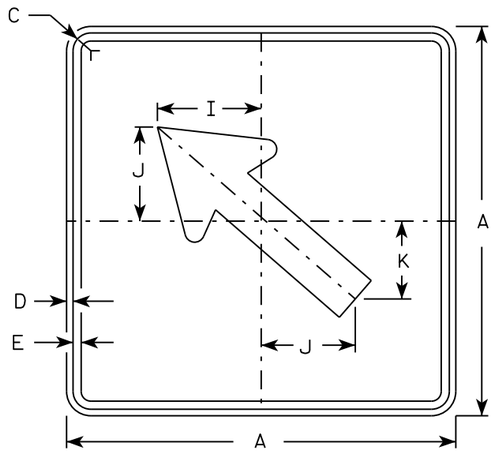
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



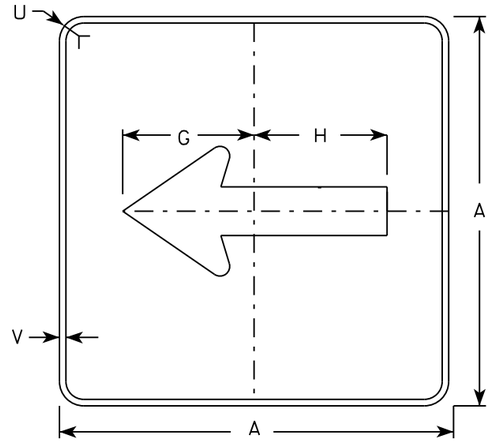
M6-1
MM6-1
MO6-1
MP6-1



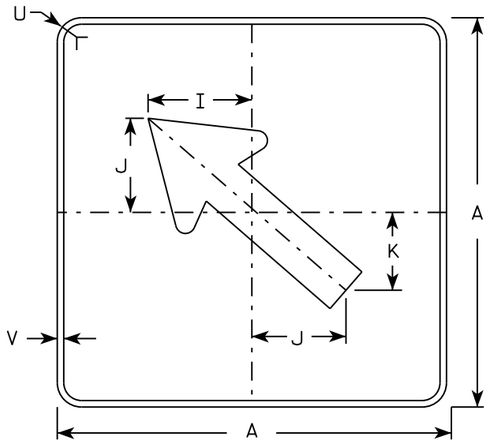
M6-2
MM6-2
MO6-2
MP6-2

NOTES

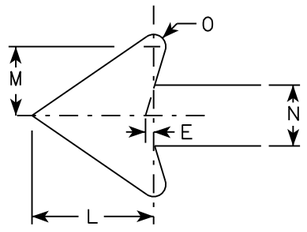
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

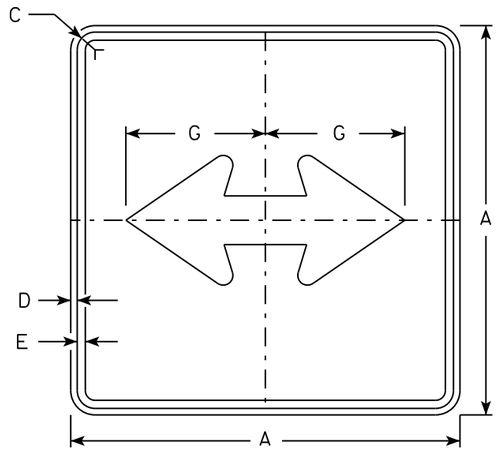
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

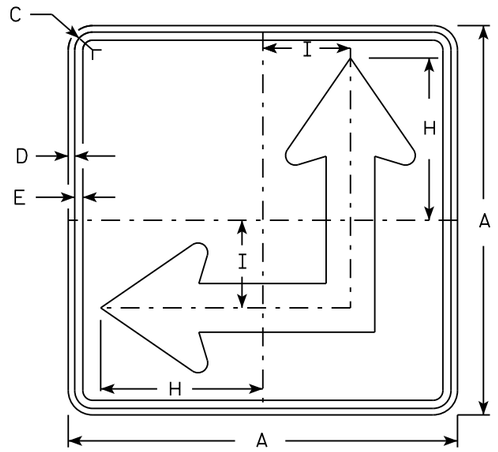
DATE 10/15/15 PLATE 451 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



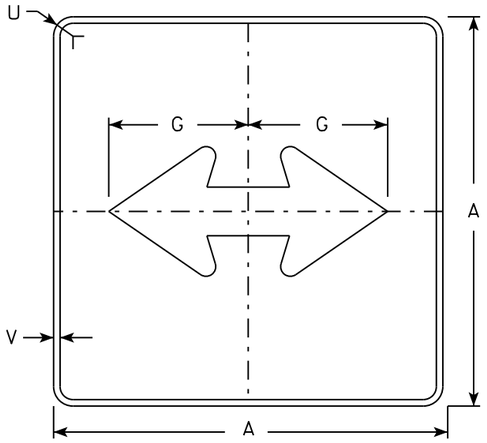
M6-4
MM6-4
MO6-4
MP6-4



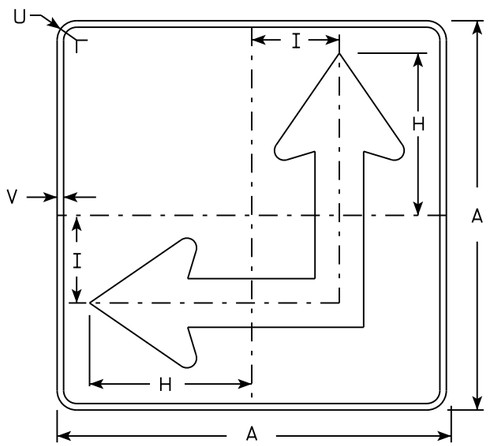
M6-6
MM6-6
MO6-6
MP6-6

NOTES

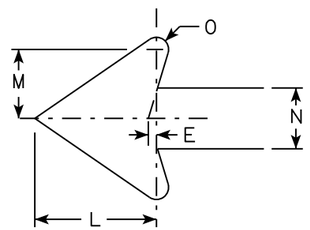
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

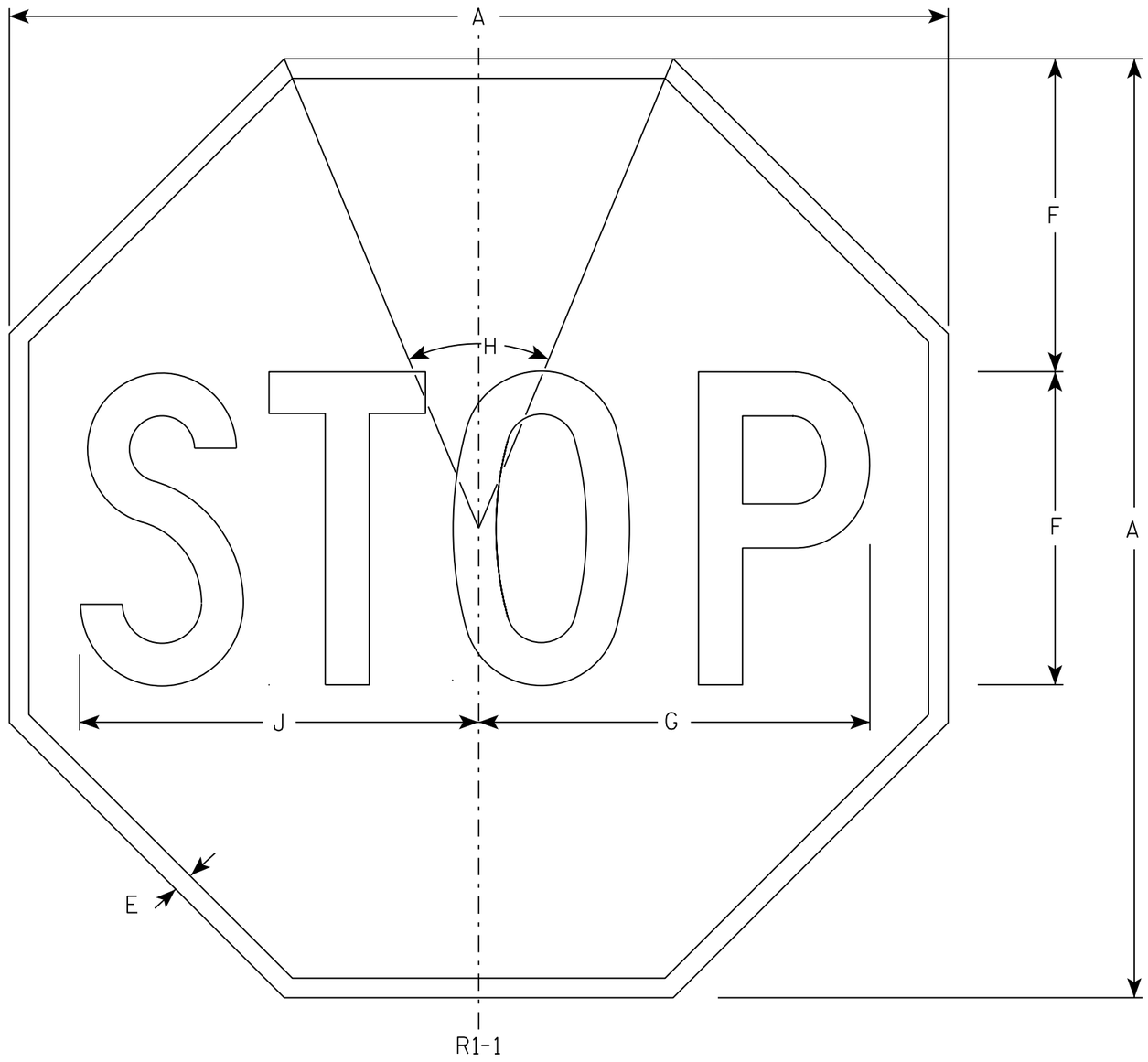
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 452 M6-4.10

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

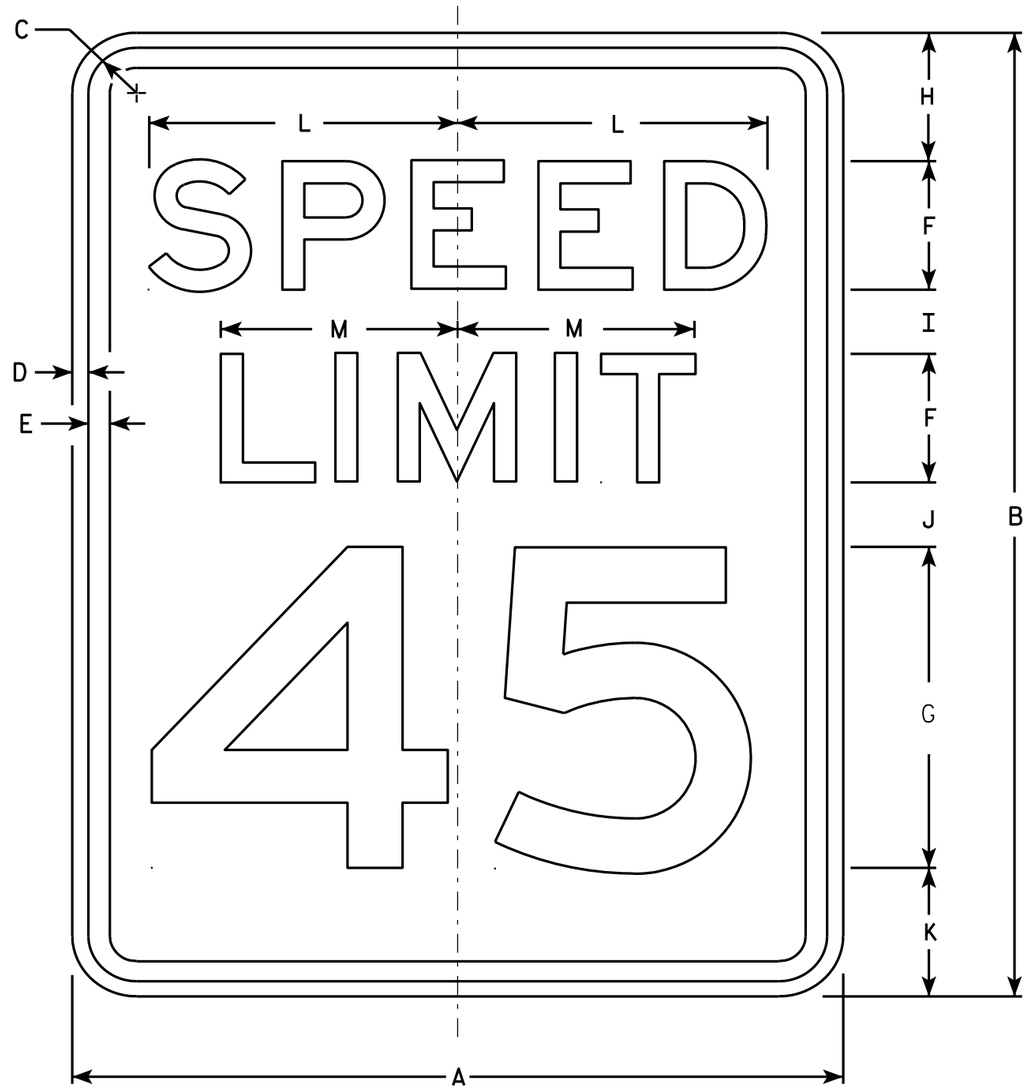
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 453	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

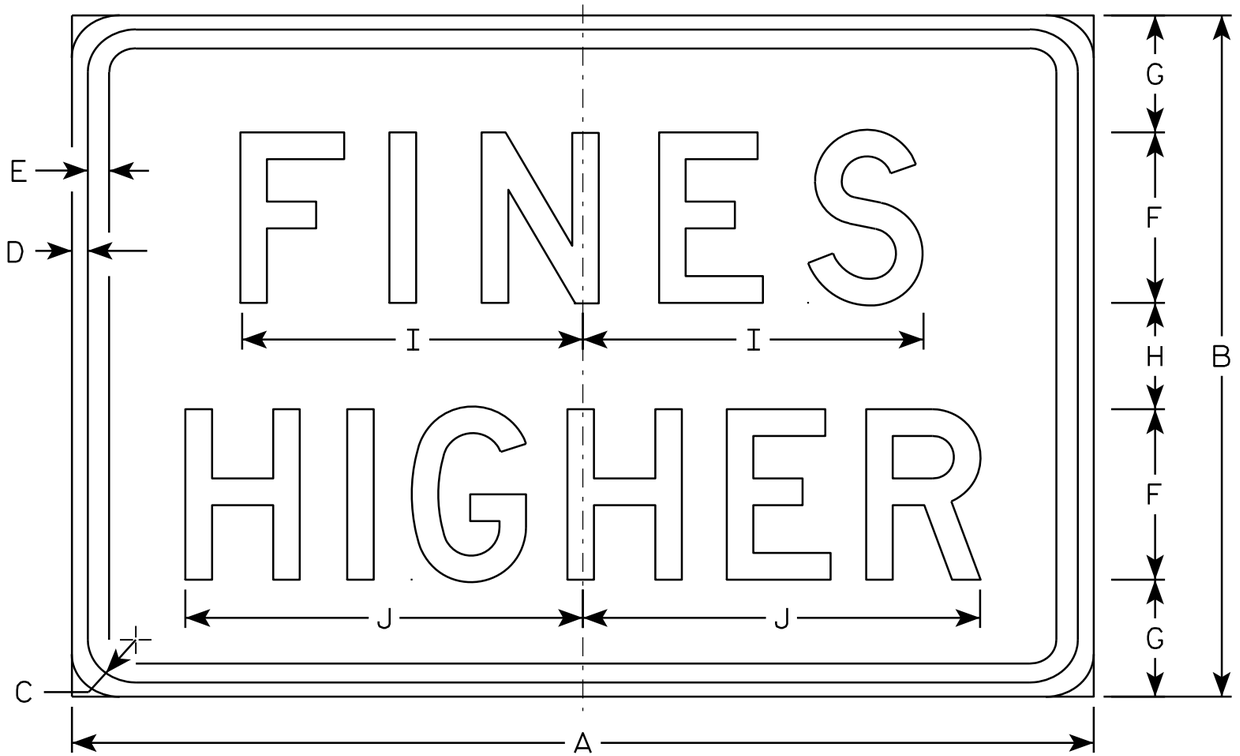
STANDARD SIGN
R2-1

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: 454 | E



R2-6P

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

STANDARD SIGN
R2-6P

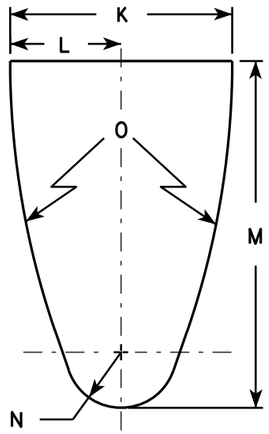
WISCONSIN DEPT OF TRANSPORTATION

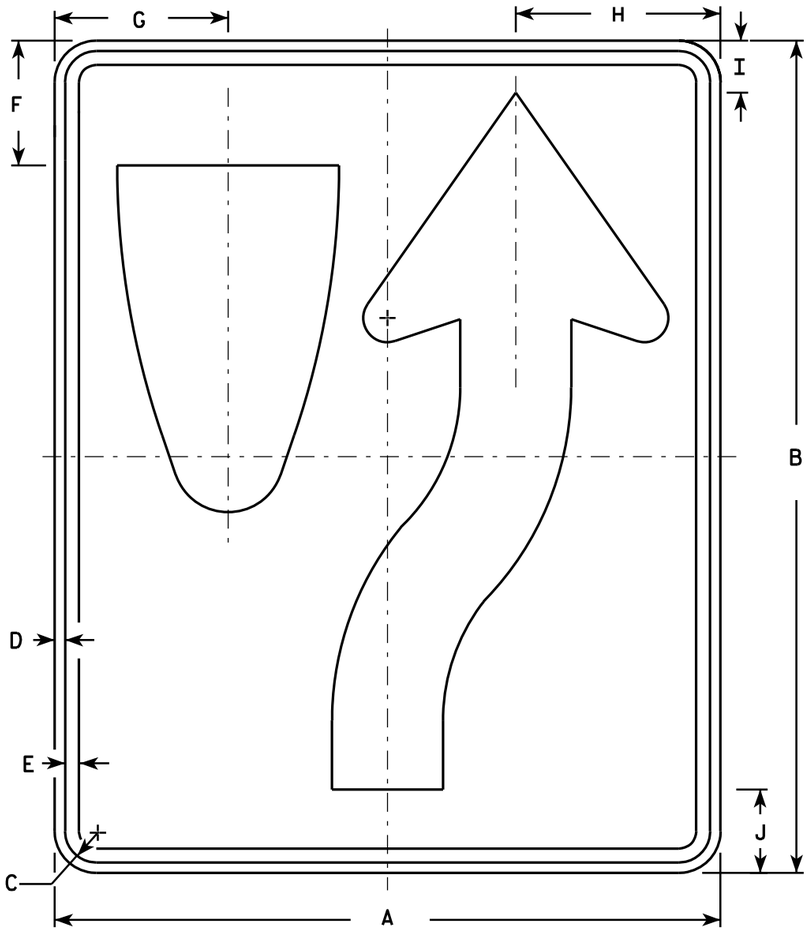
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 455 | E

7

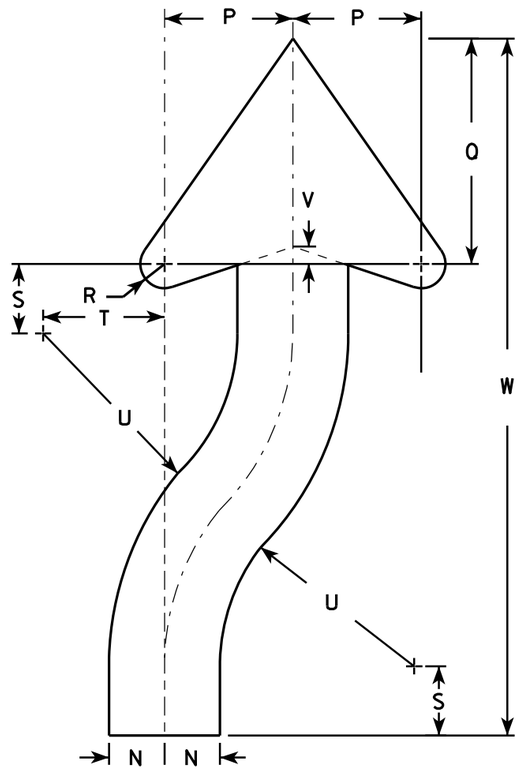




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

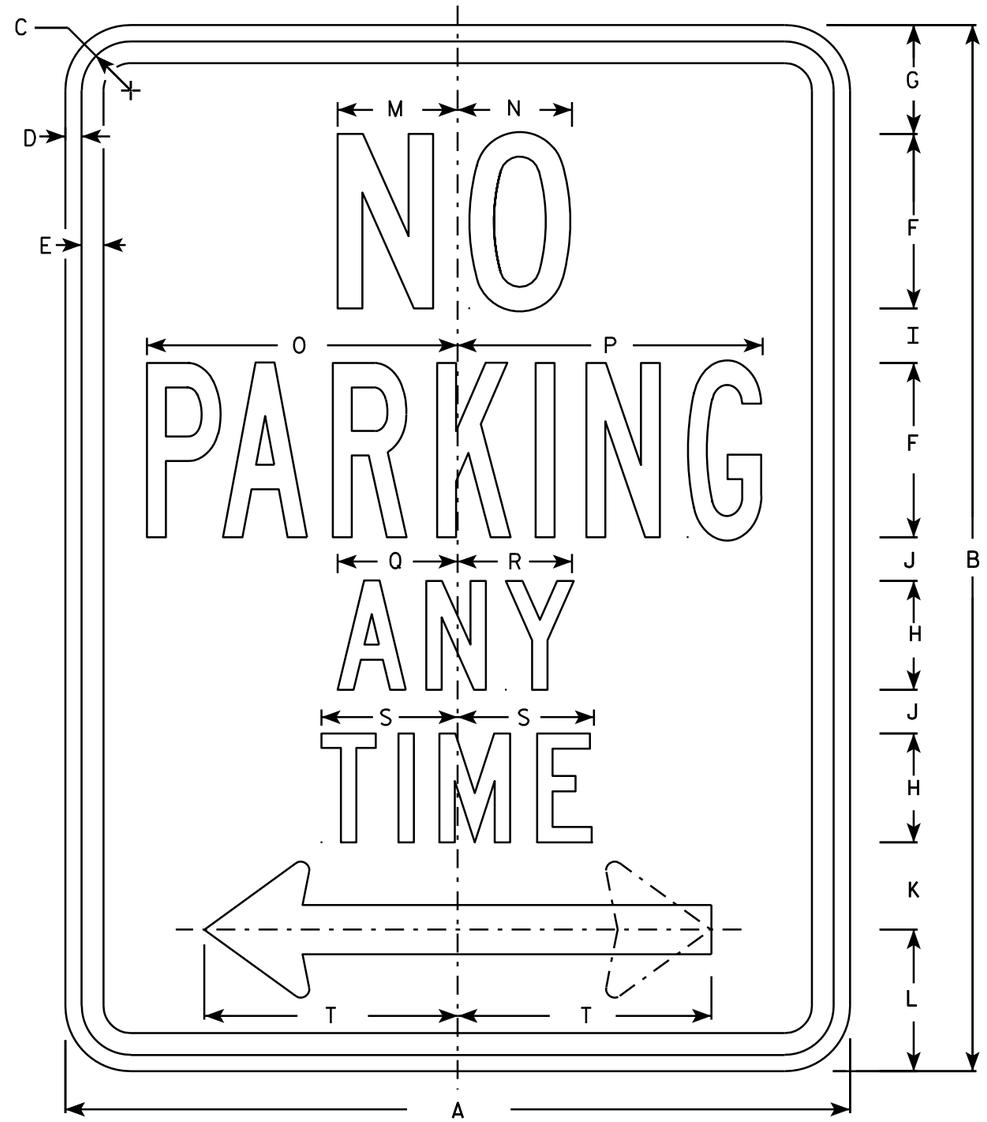
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

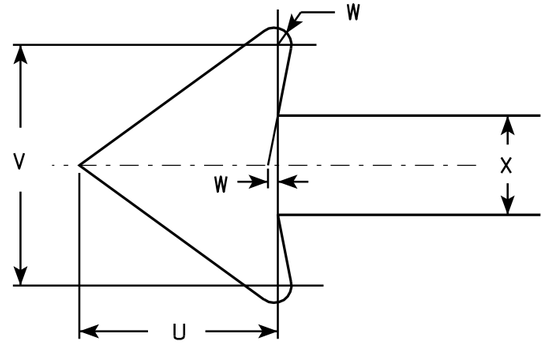
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 456	E



R7-1

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 - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

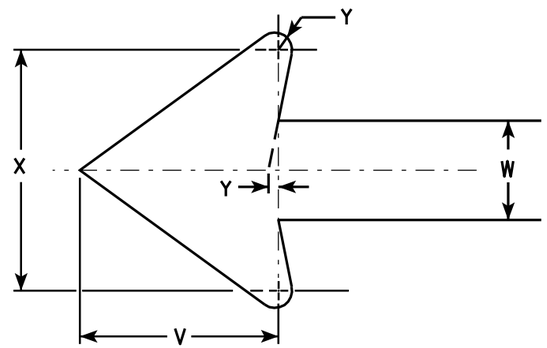
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 457	E



R7-6

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 - Red
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. R7-6L (left arrow)
   R7-6R (right arrow)
   R7-6D (double arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	2	1 7/8	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 5/8	4 1/2	2 7/8	2 3/4	3 7/8	1 1/2	3/4	1 3/4	1/8		1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	5 5/8	3 1/2	3 1/2	5 7/8	2 1/4	1 1/8	2 5/8	1/4		3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	6 7/8	6 3/4	4 1/8	4 1/4	7 3/4	3	1 1/2	3 1/2	1/4		5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	6 7/8	6 3/4	4 1/8	4 1/4	7 3/4	3	1 1/2	3 1/2	1/4		5.0
4																											
5																											

STANDARD SIGN
R7-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-6.7

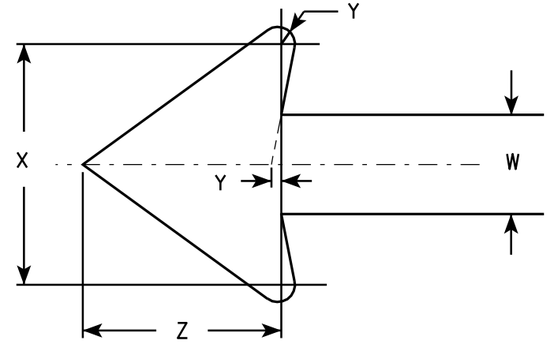
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 458	E



R7-51

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 - Red
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. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

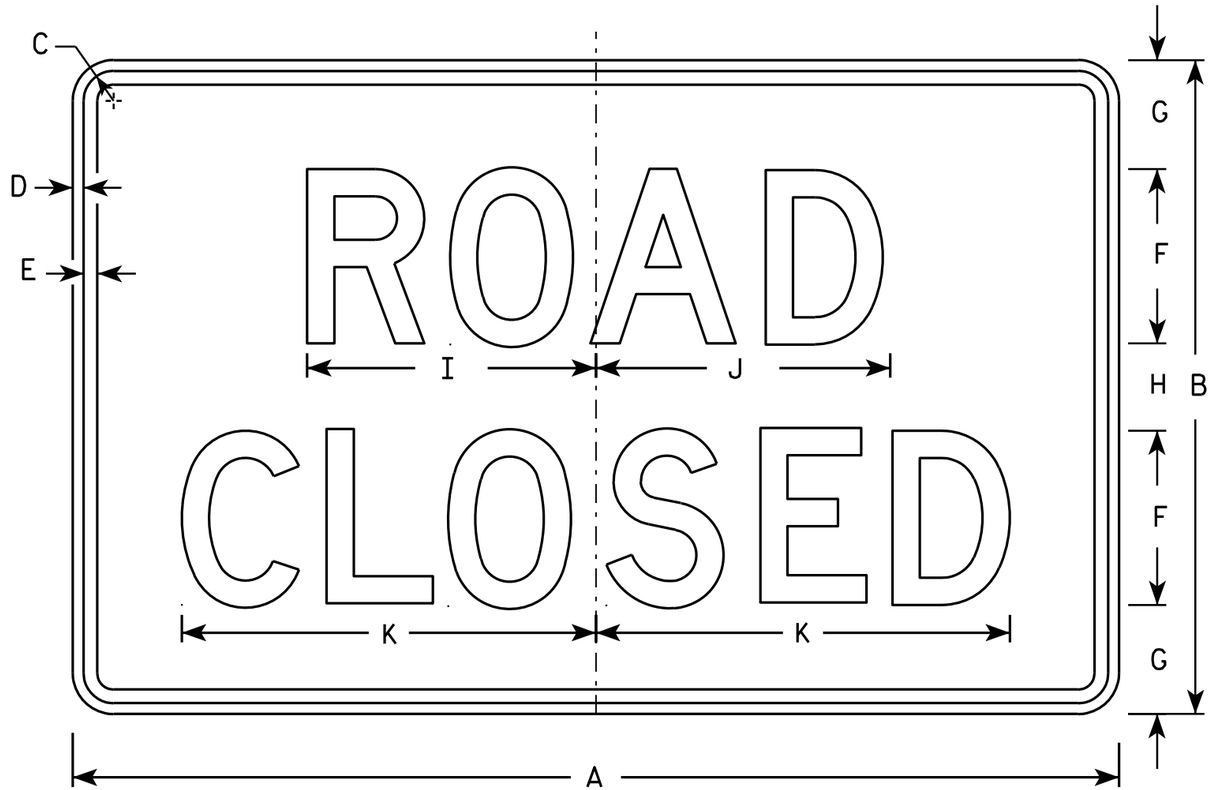
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

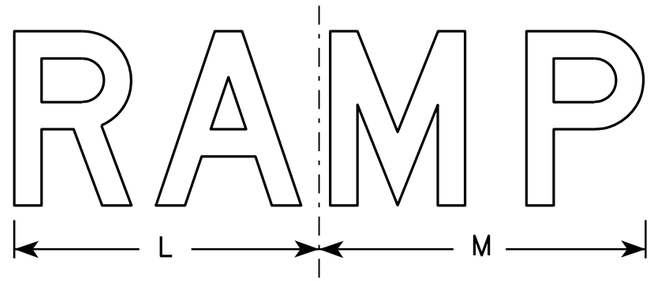
PROJECT NO:	HWY:	COUNTY:			SHEET NO: 459	E



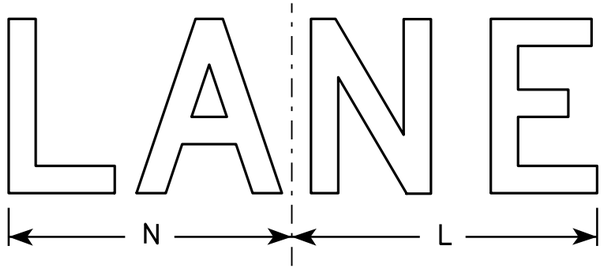
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

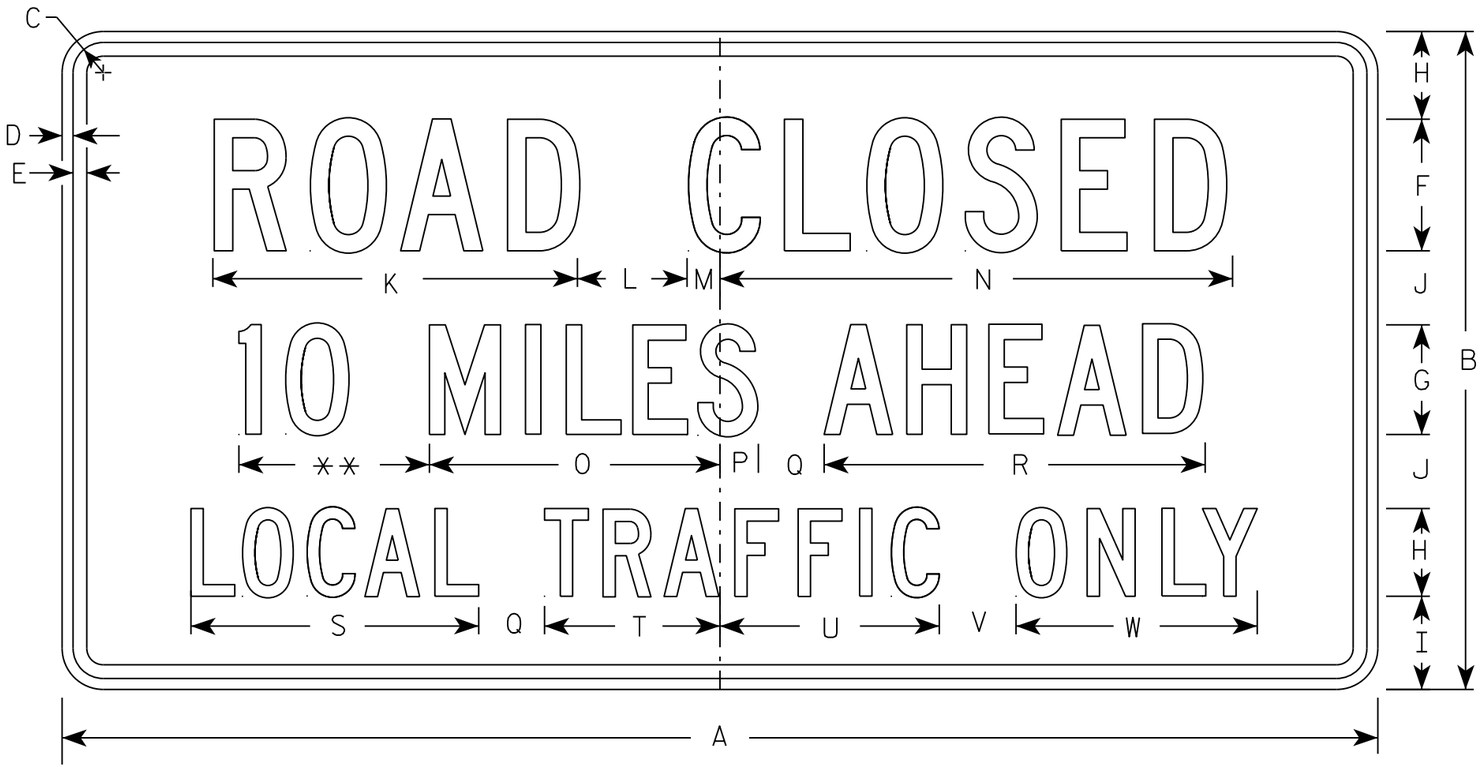
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 460	E

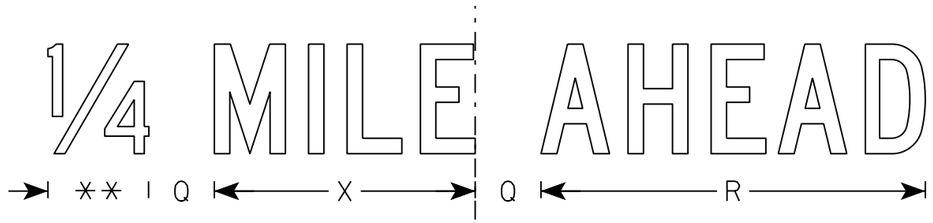
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

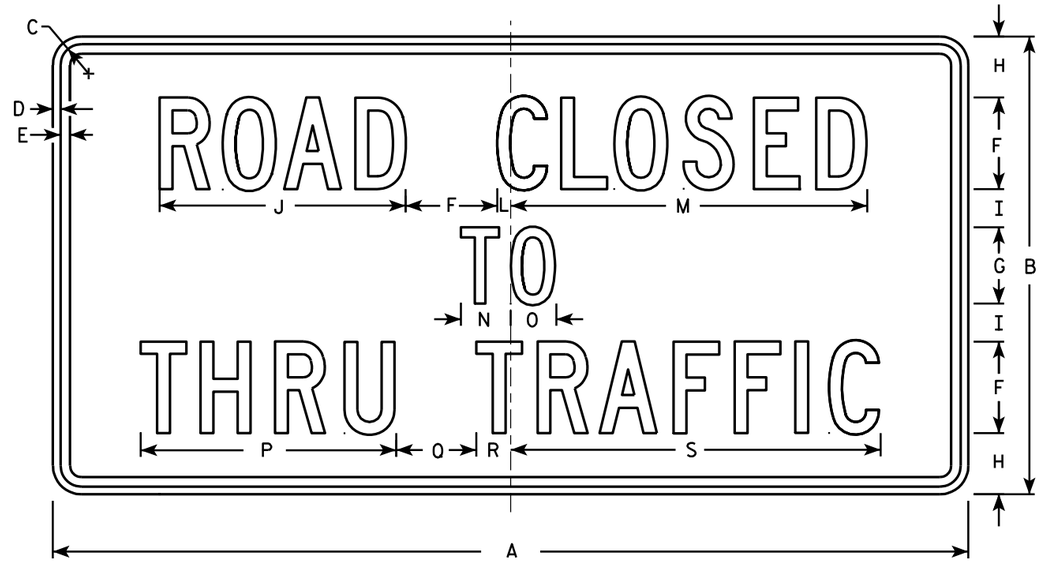
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 461	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

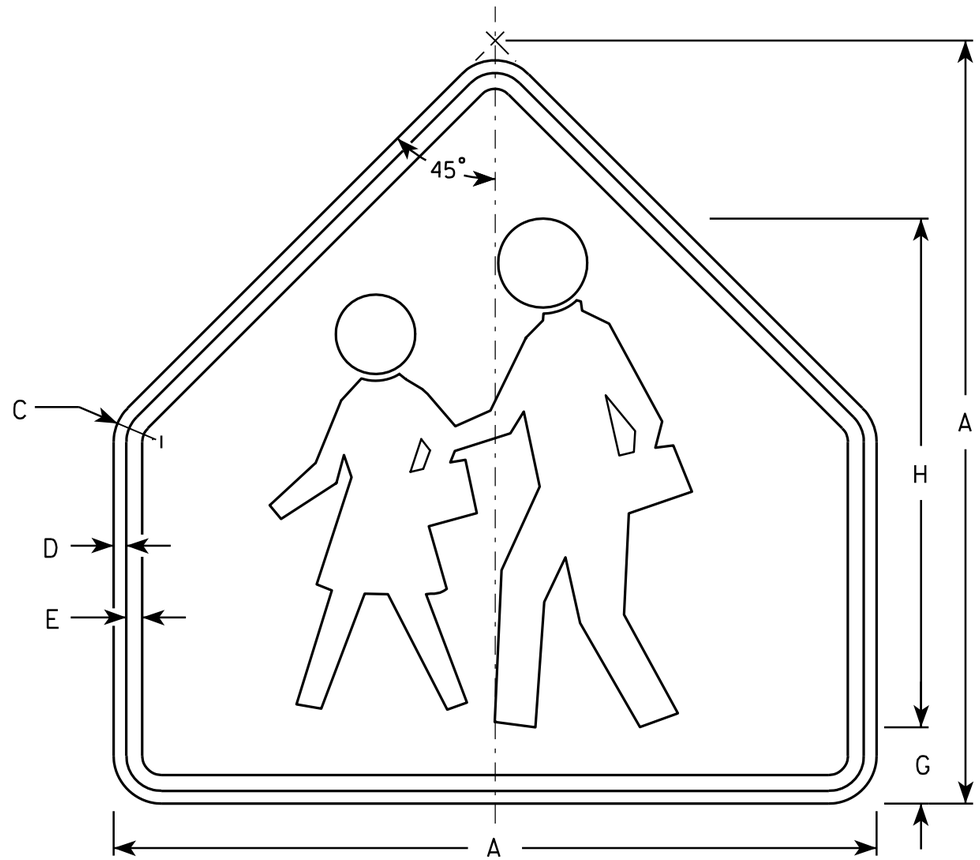
APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 462 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R114.DGN PLOT DATE : 01-APR-2011 14:11 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000 WISDOT/CADDS SHEET 42



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   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	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

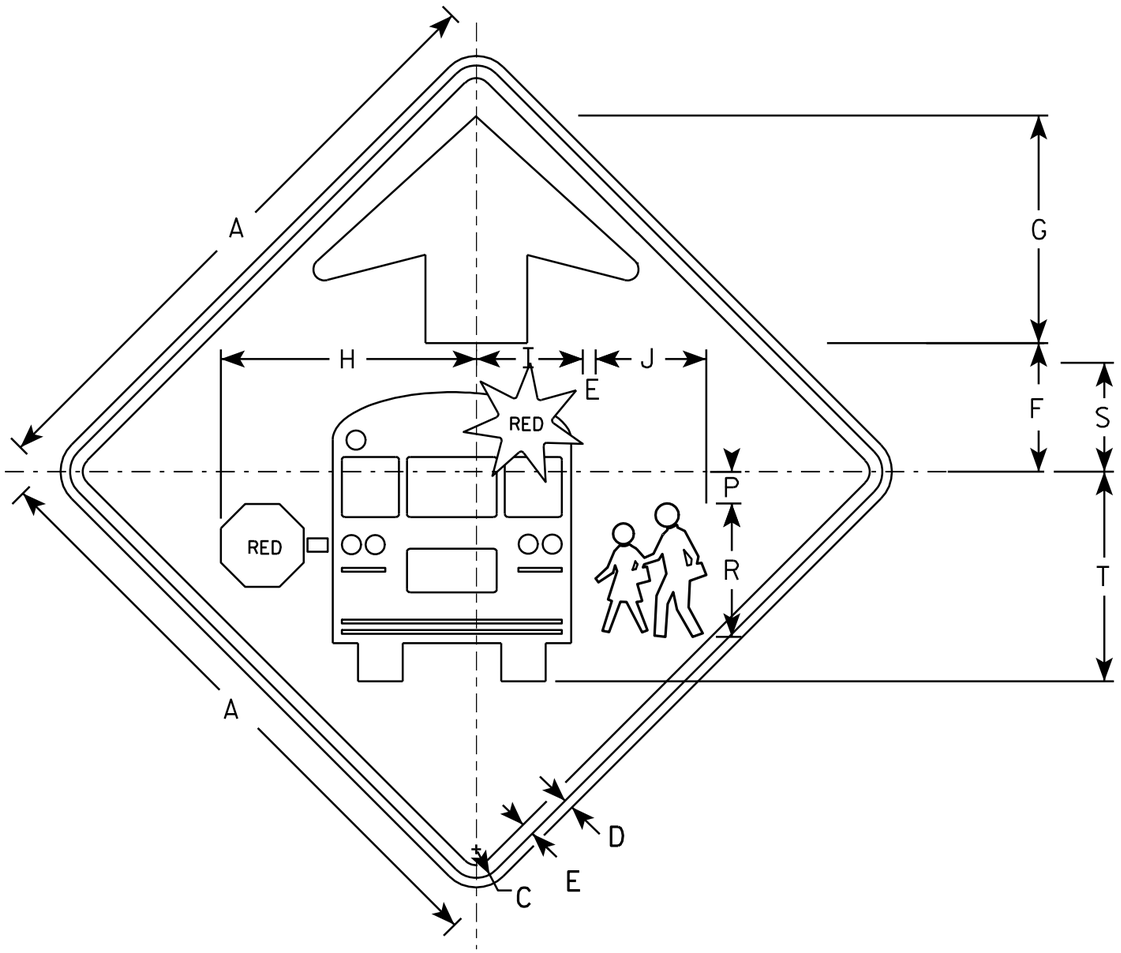
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

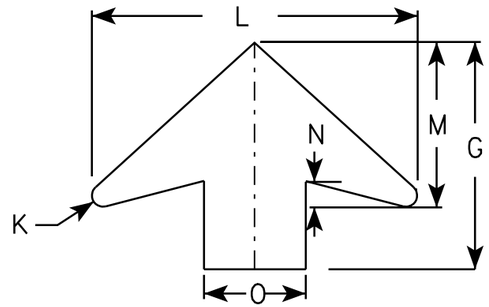
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 463	E



S3-1

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-GREEN
   Message - BLACK except as noted
   Circles except PEDS- RED BACKGROUND
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 1/2	1/2	16	8	1 1/4	5	1 1/2		6 5/8	5 3/8	10 3/8							6.25
2	36		1 5/8	5/8	3/4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 5/8	6	1 7/8		7 7/8	6 3/8	12 3/8							9.0
3	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

STANDARD SIGN
S3-1

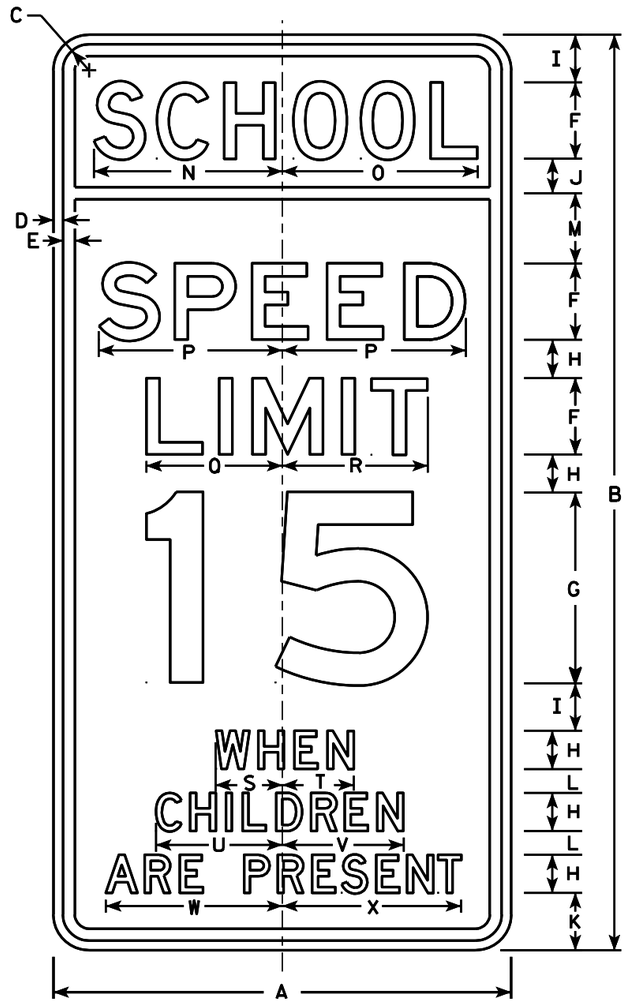
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/8/10 PLATE NO. S3-1.6

PROJECT NO:

SHEET NO: 464 E



S4-51

NOTES

1. Sign is Type II - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. (See note 5).
2. Color:
   Background - See note 5
   Message - Black
3. Message Series - See note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Top panel (SCHOOL) background - Yellow Green -Type F Reflective.
   Lower panel background - White -Type H Reflective.
6. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
7. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 1200 mm
3	900 mm X 1800 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00	0.72
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00	1.62
4																												
5																												

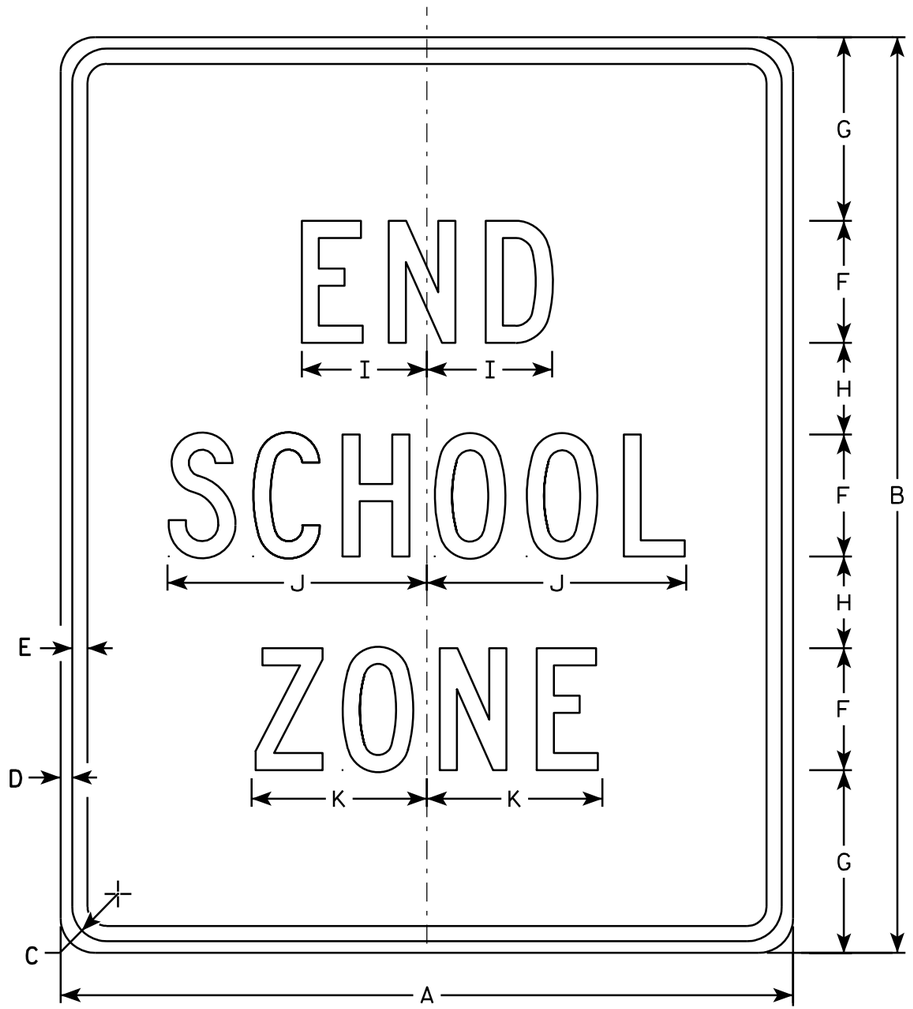
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/10 PLATE NO. S4-51.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 465	E



S5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

STANDARD SIGN
S5-2

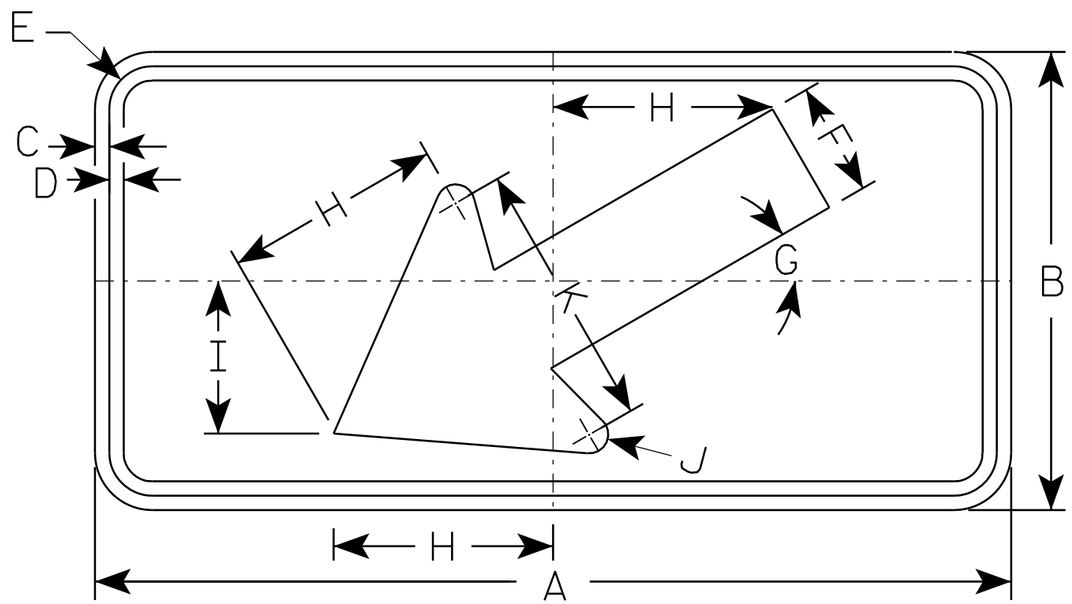
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 466 | E

7



S16-7L

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-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

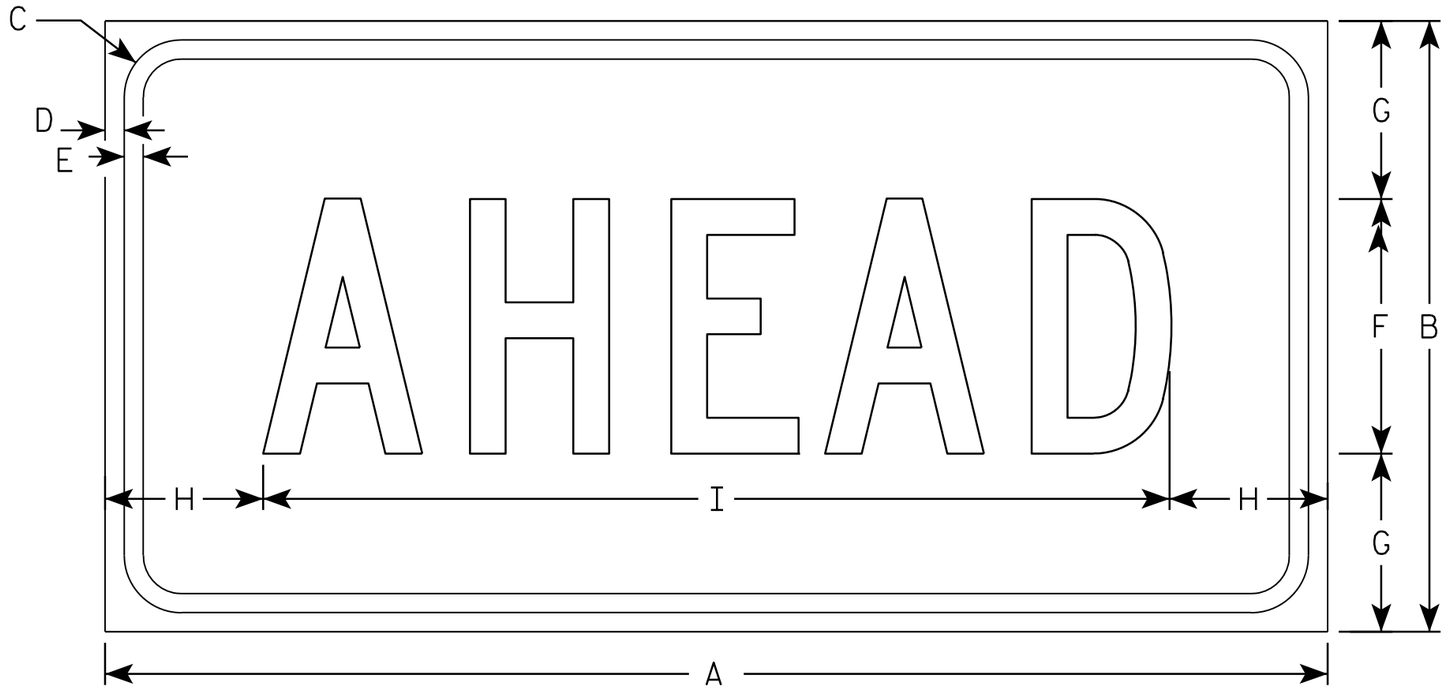
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 467 | E



S16-9P

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-Green
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

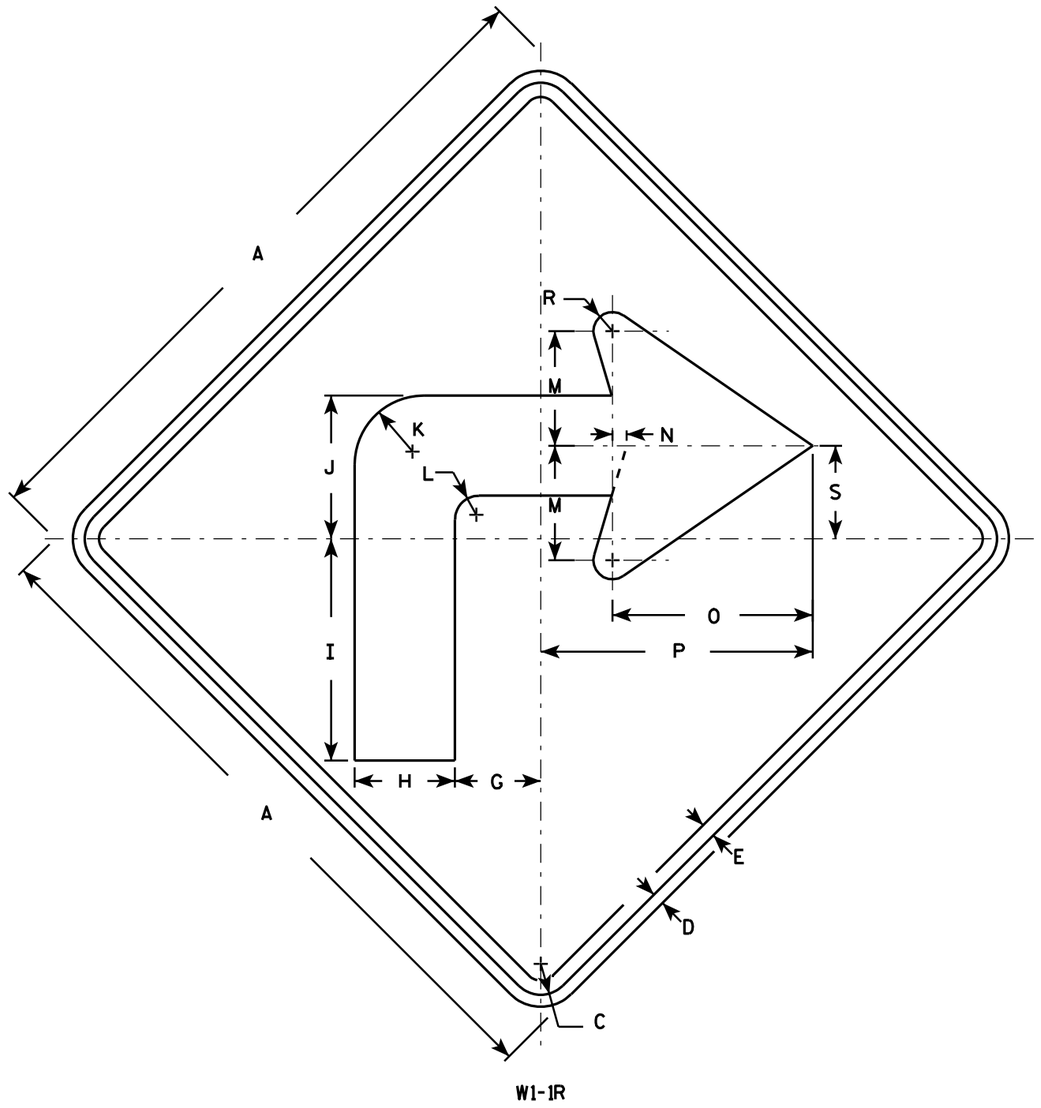
STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 468 | E



W1-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		3	3 1/2	7 3/4	5	2 1/2	7/8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
2S	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
2M	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
3	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0

STANDARD SIGN
W1-1

WISCONSIN DEPT OF TRANSPORTATION

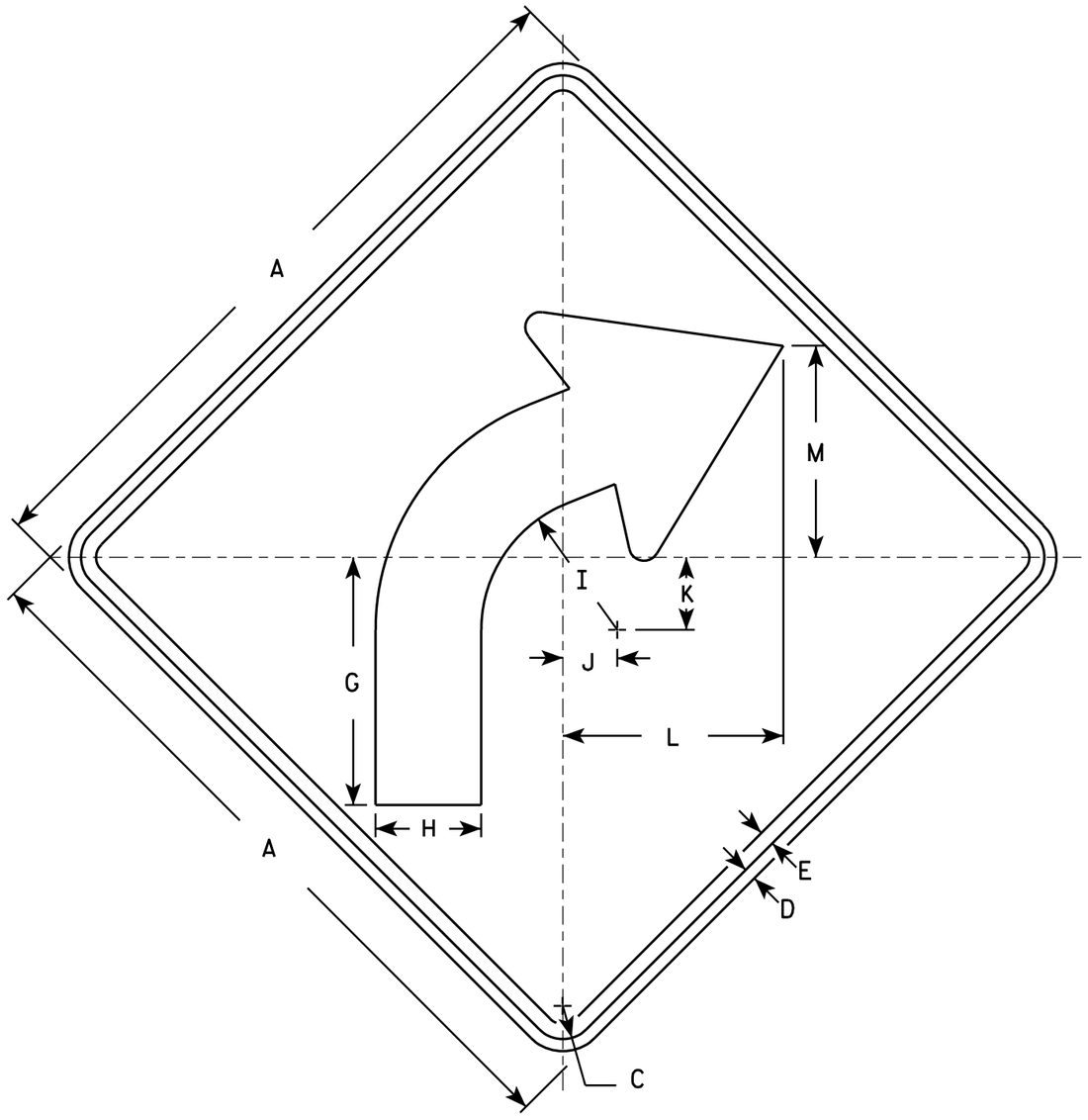
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

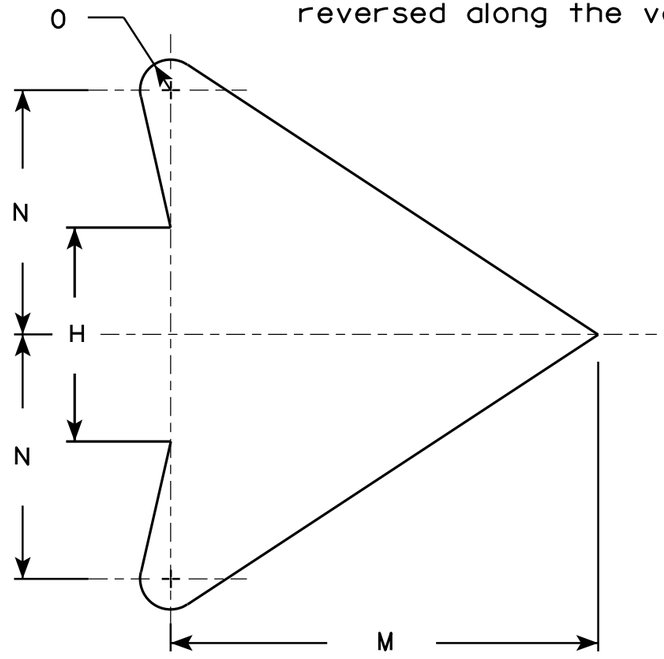
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 469 | E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

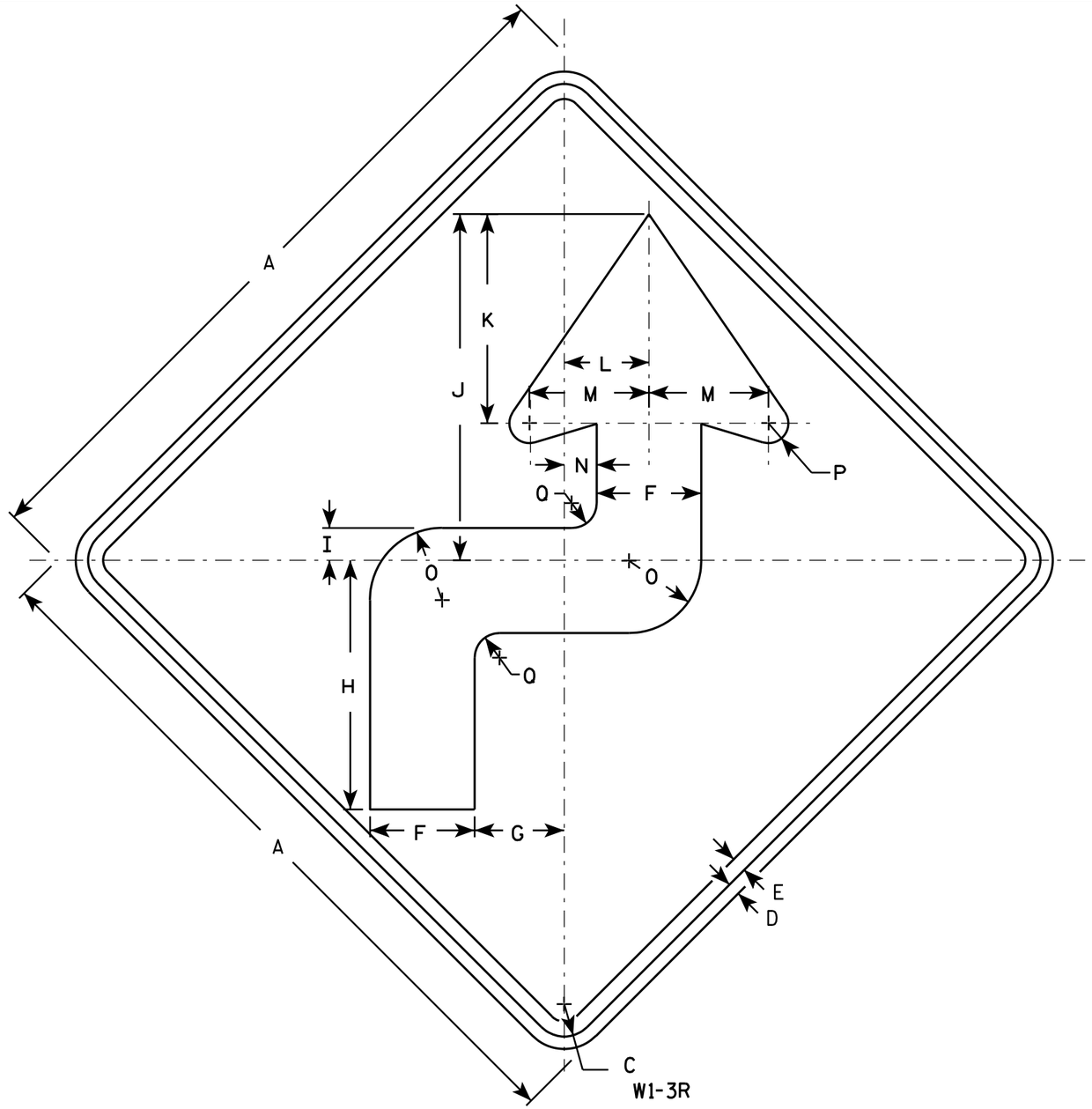
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 470	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-3L is the same as W1-3R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	3 1/2	3	8 3/8	1 1/8	11 5/8	7	2 3/4	4	1 1/8	2 1/2	5/8	7/8										4.0
2S	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
2M	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
3	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
4	36		1 5/8	5/8	3/4	5 1/4	6	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
5	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0

STANDARD SIGN
W1-3

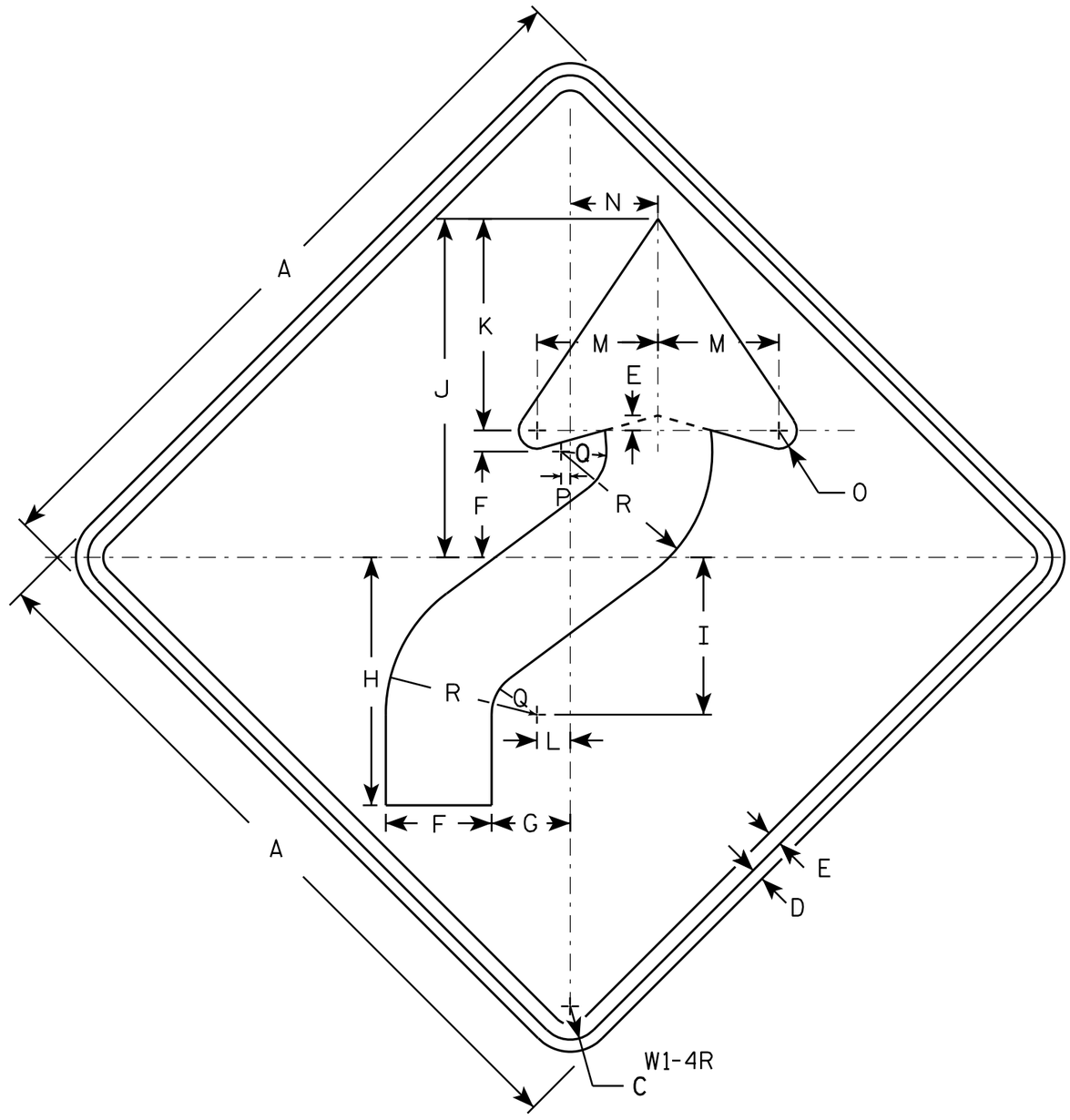
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 471 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W13.DGN PLOT DATE : 17-MAY-2012 13:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.698561:1.000000 WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	3 1/2	2 5/8	8 1/4	5 1/4	11 1/4	7	1 1/8	4	3	5/8	1/4	1 1/2	5									4.0
2S	30		1 3/8	1/2	5/8	4 3/8	3 1/4	10 1/4	6 1/2	14	8 3/4	1 3/8	5	3 5/8	3/4	3/8	1 7/8	6 1/4									6.25
2M	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
3	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
4	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

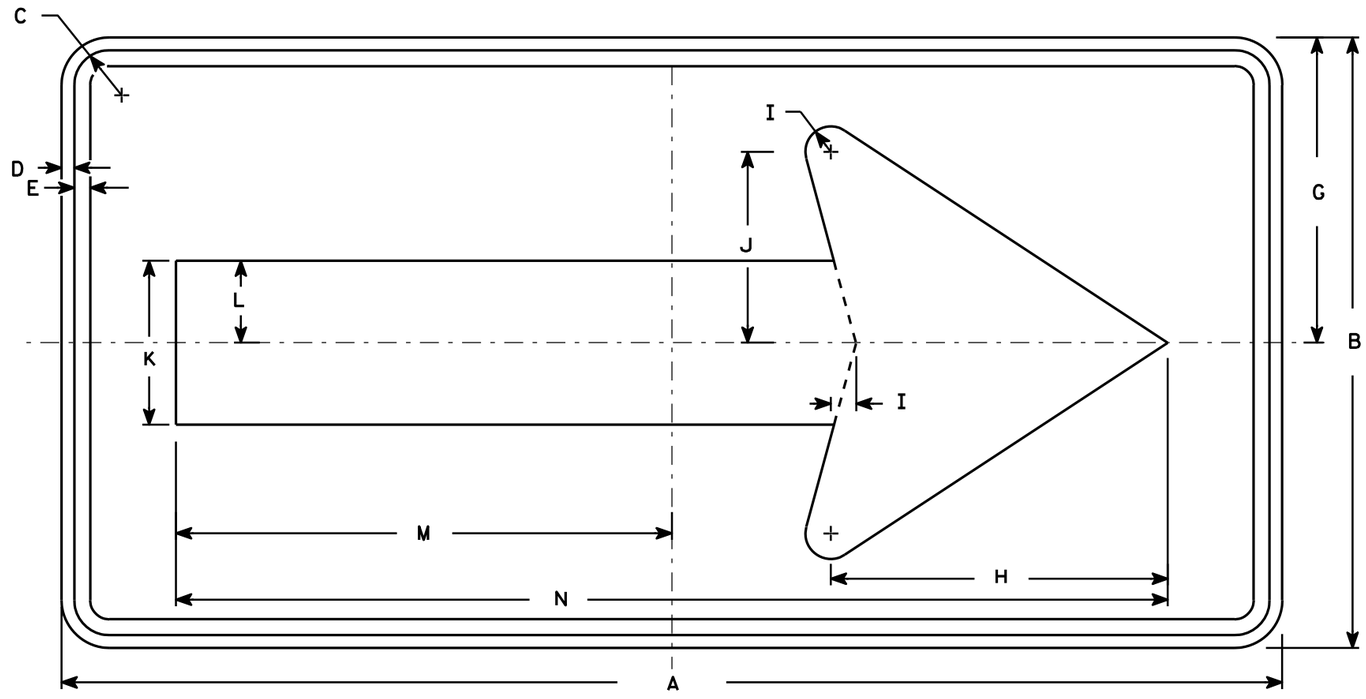
STANDARD SIGN
W1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 472 | E



W1-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

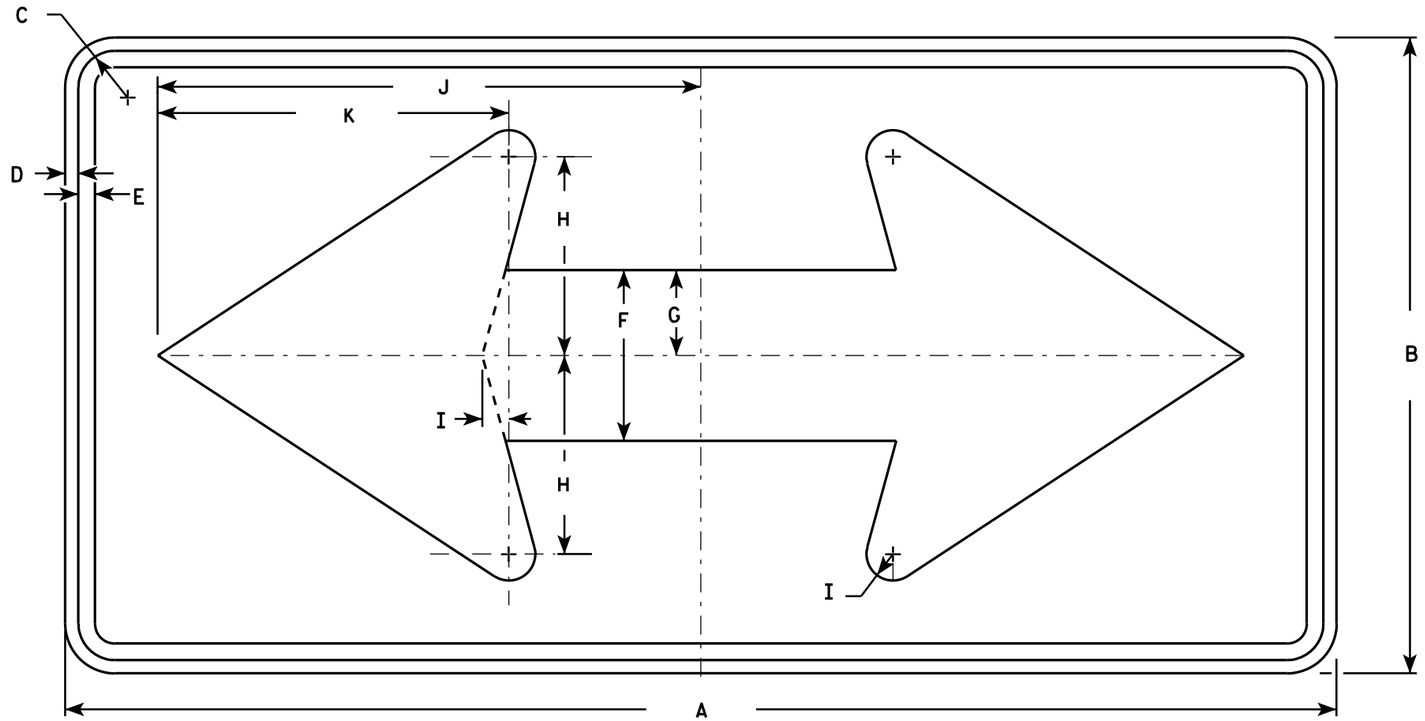
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 473



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

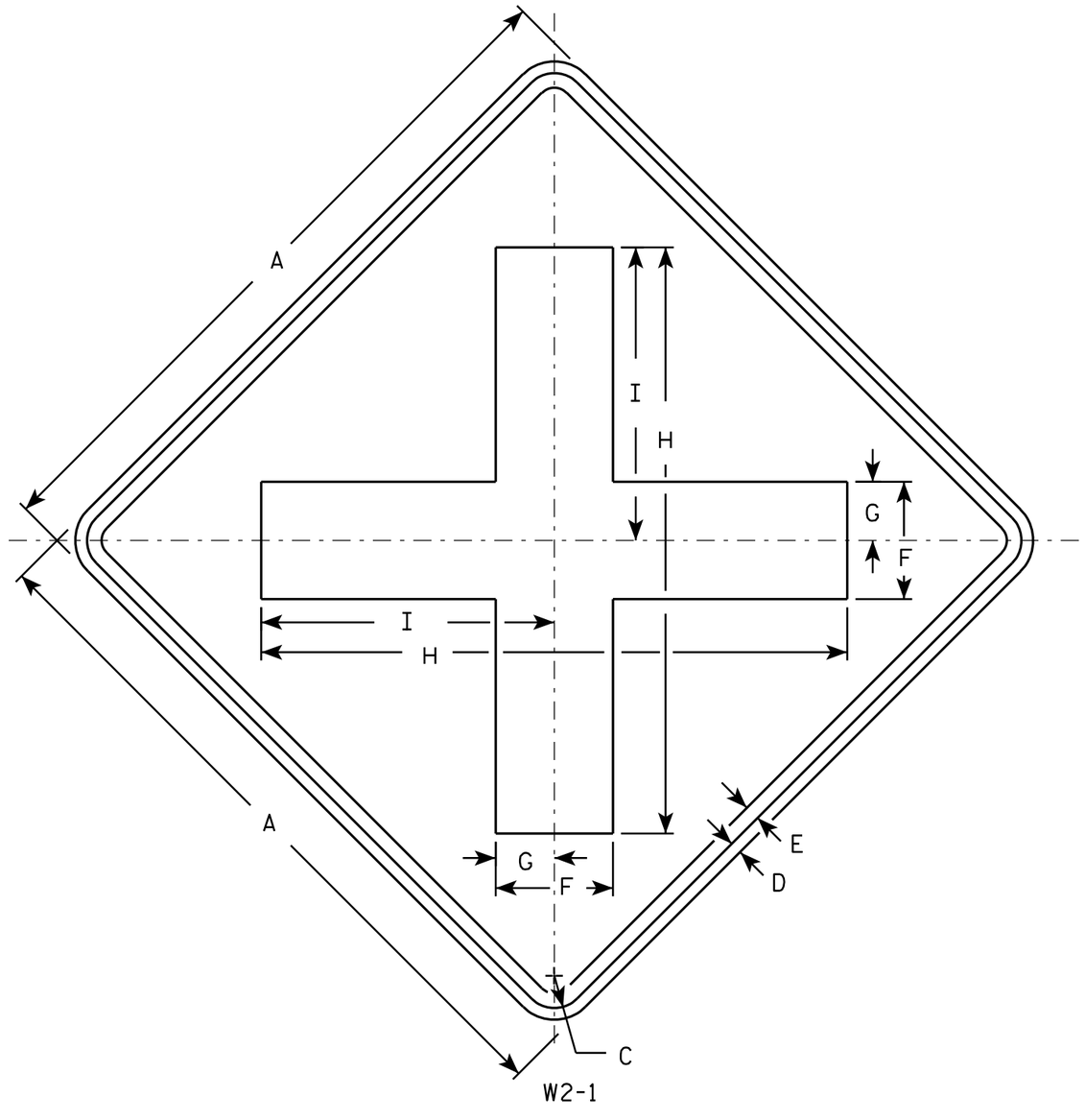
STANDARD SIGN
W1-7

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: 474 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	2	20	10																		4.0
2S	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3	30	15																		9.0
4	48		2 1/4	3/4	1	8	4	40	20																		16.0
5																											

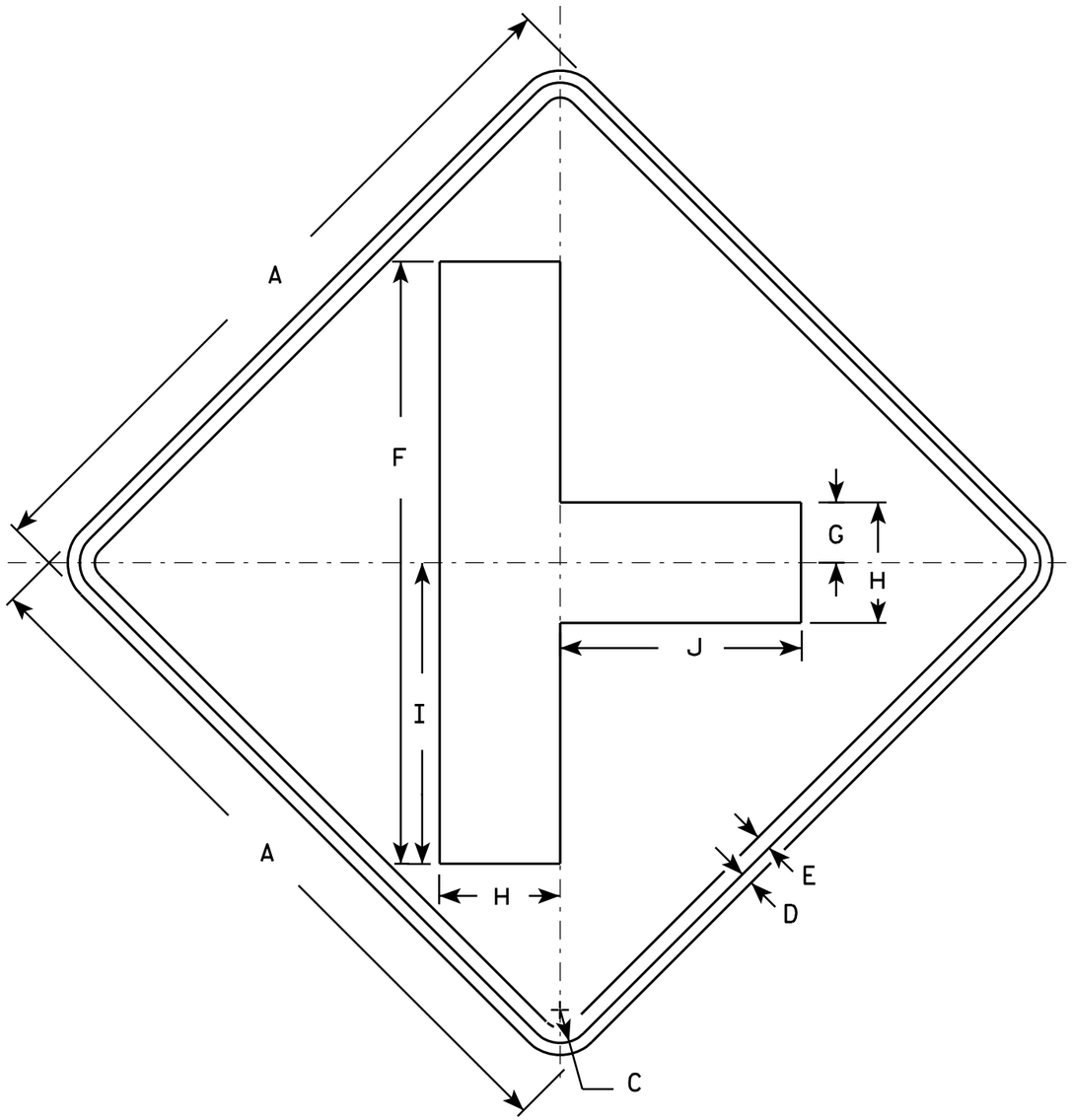
STANDARD SIGN
W2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 475	E



W2-2

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

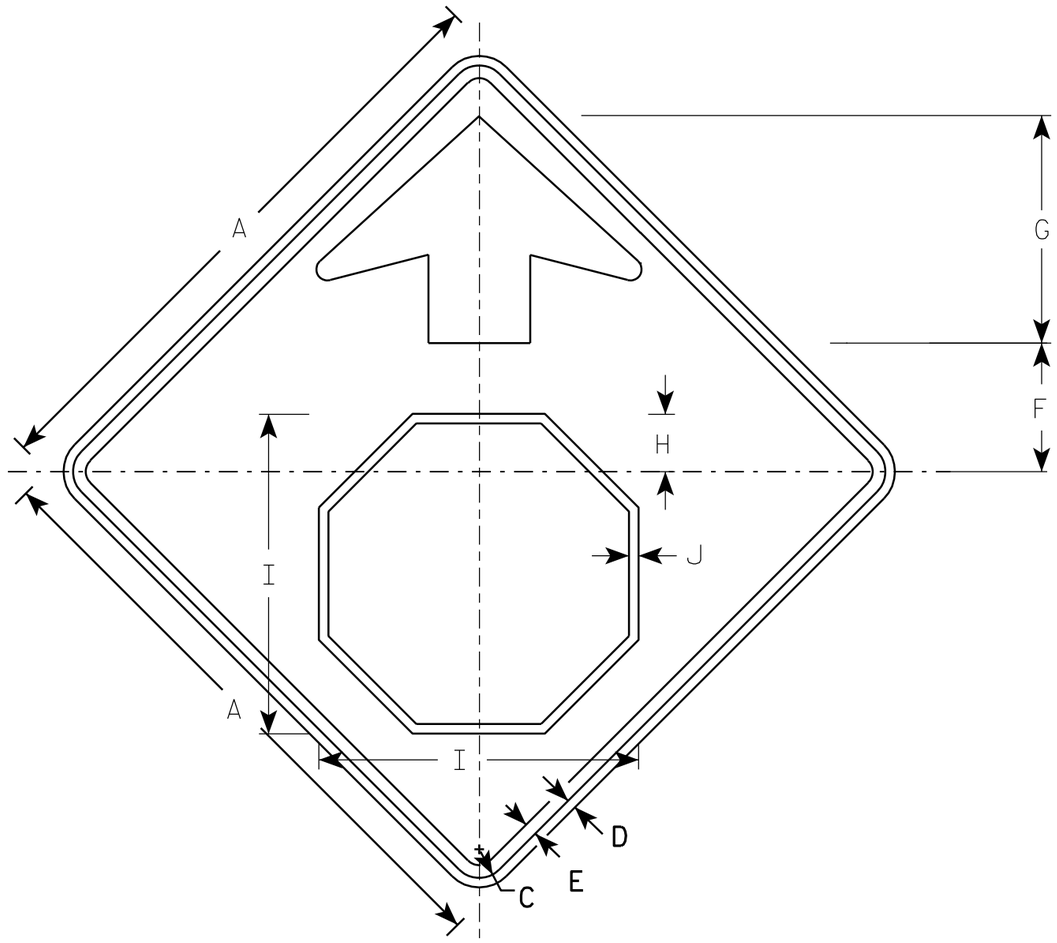
STANDARD SIGN
W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-2.6

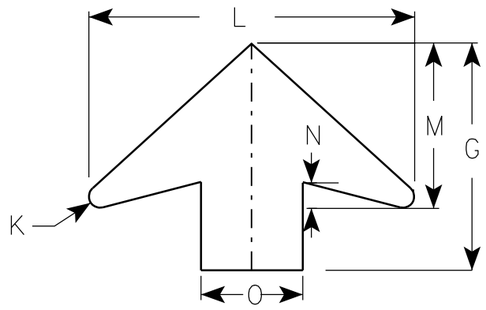
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 476 | E



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

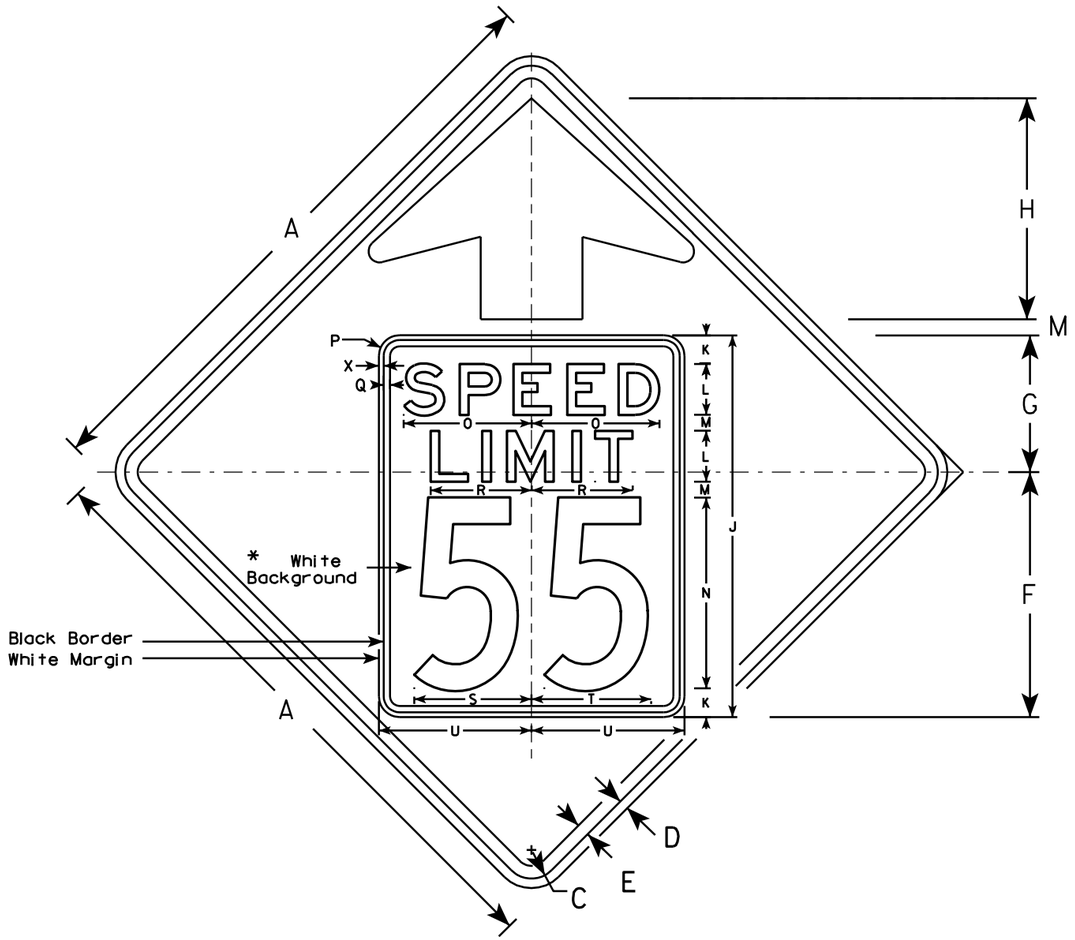
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 477 E

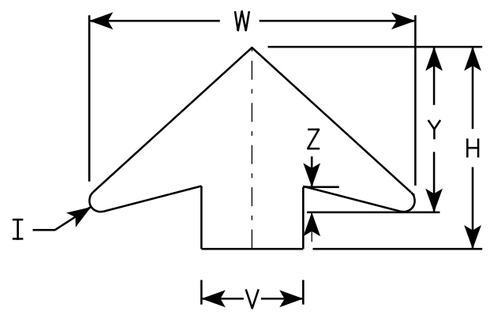


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

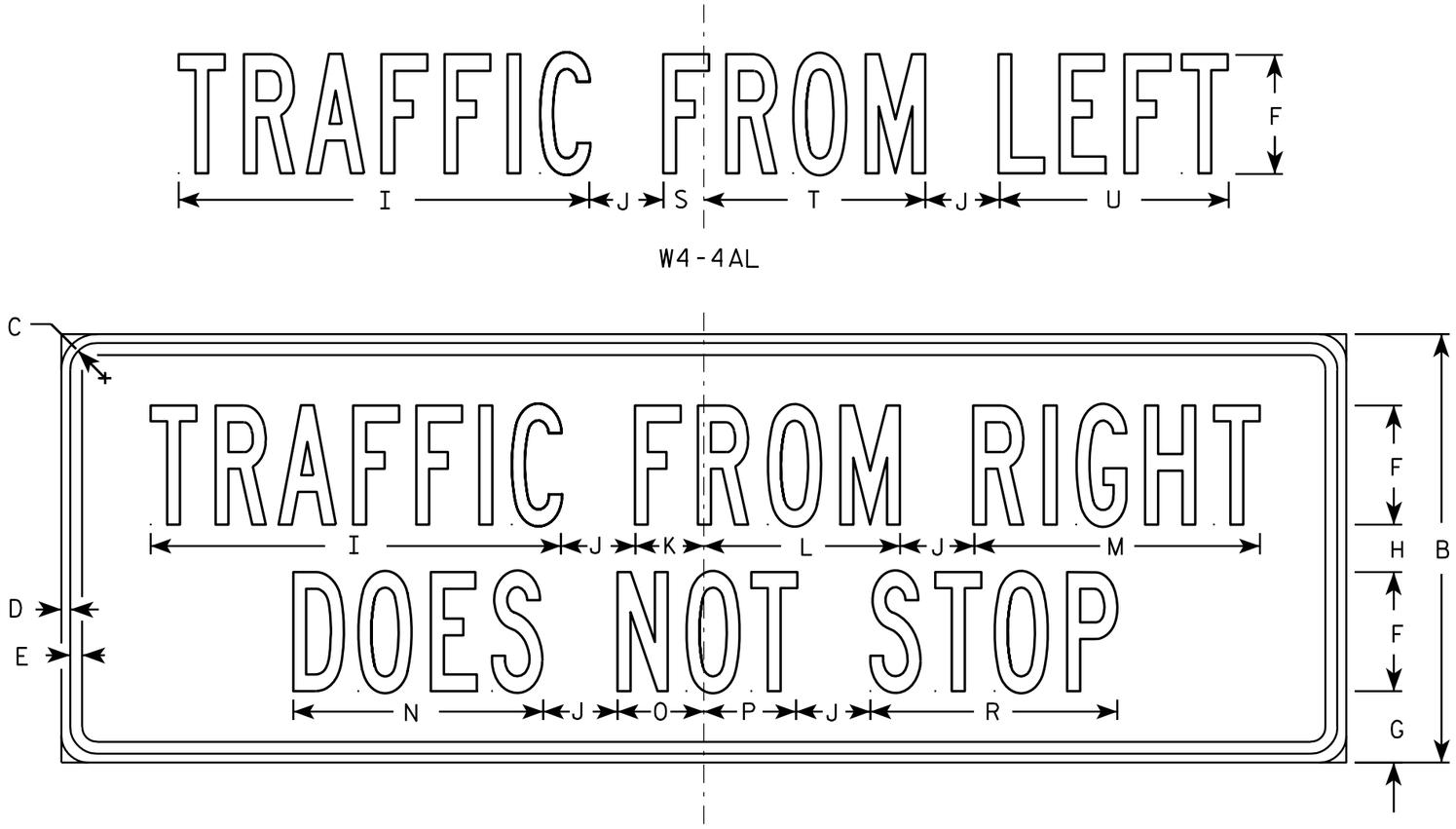
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 478 E



W4-4AL

W4-4AR

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	1 3/4	4 7/8	7 1/4	6 1/4	2 1/4	2 1/4		6 1/4	1	5 5/8	5 3/4						2.5
2M	30	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	1 3/4	4 7/8	7 1/4	6 1/4	2 1/4	2 1/4		6 1/4	1	5 5/8	5 3/4						2.5
3	42	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	13 7/8	2 3/8	2 1/8	6 3/4	9 3/4	8 3/8	2 3/4	3 3/8		8 3/8	1 1/8	7 3/4	7 3/4						4.4
4	54	18	1 1/8	3/8	1/2	5	3	2	17 1/4	3 1/8	2 7/8	8 1/4	12	10 1/2	3 5/8	3 7/8		10 3/8	1 3/4	9 3/8	9 5/8						6.8
5																											

STANDARD SIGN
W4-4AL & W4-4AR

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-4A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 479 | E



W4-4B

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	12	1 1/8	3/8	1/2	3	2 1/4	1 1/2	12 3/8	5/8	1 1/2	10 3/8	6 1/4	2 1/4	2 1/4	6 1/4											2.5
2M	30	12	1 1/8	3/8	1/2	3	2 1/4	1 1/2	12 3/8	5/8	1 1/2	10 3/8	6 1/4	2 1/4	2 1/4	6 1/4											2.5
3	42	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	16 7/8	5/8	2 3/8	13 7/8	8 3/8	3	3 1/8	8 3/8											4.17
4	48	18	1 1/8	3/8	1/2	5	3	2	21	5/8	3 1/8	17 1/4	10 1/2	3 5/8	3 7/8	10 3/8											6.0
5																											

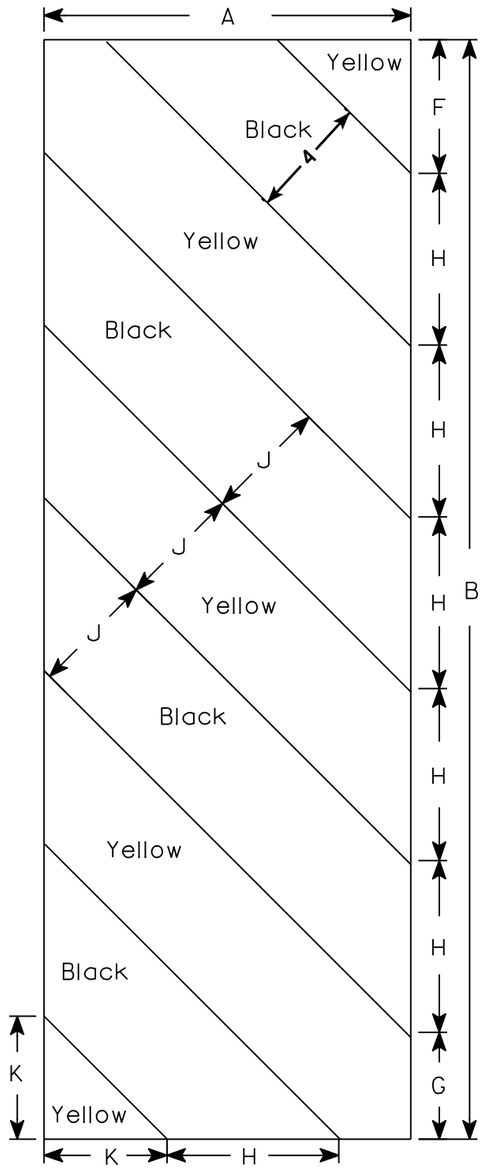
STANDARD SIGN
W4-4B

WISCONSIN DEPT OF TRANSPORTATION

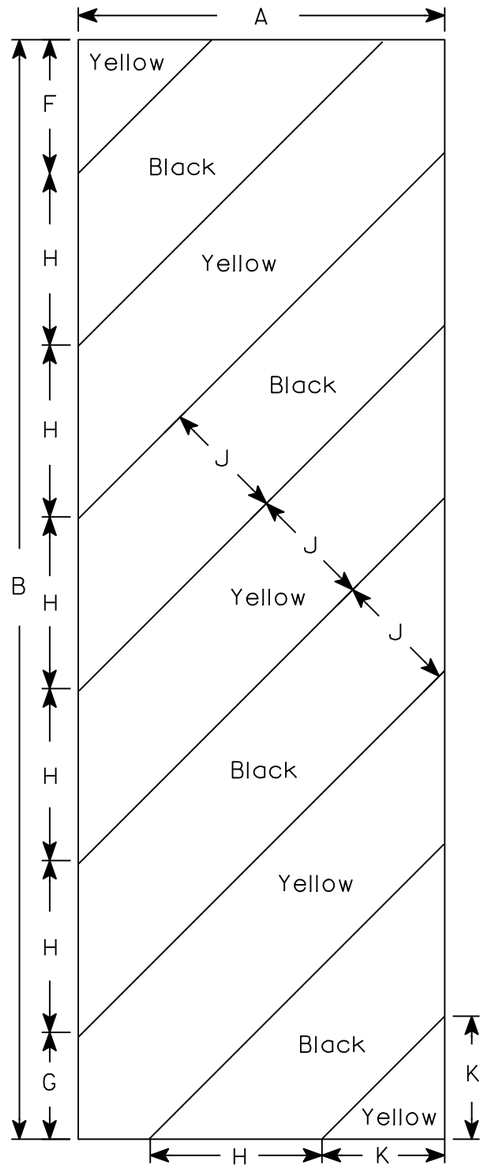
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-4B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 480	E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

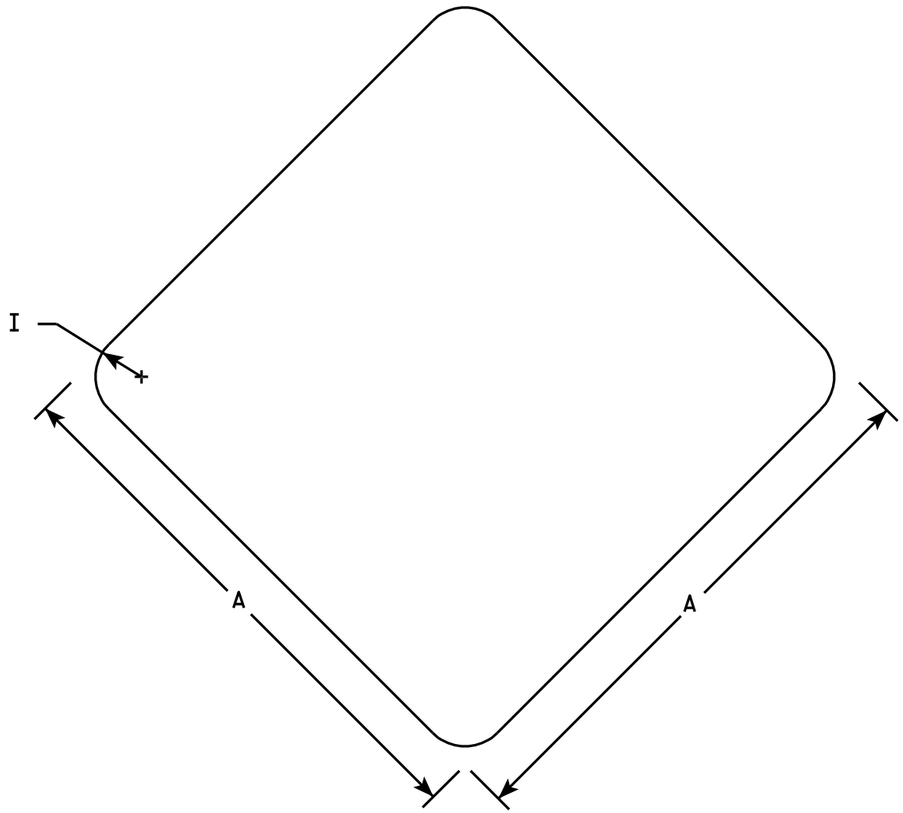
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 481	E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

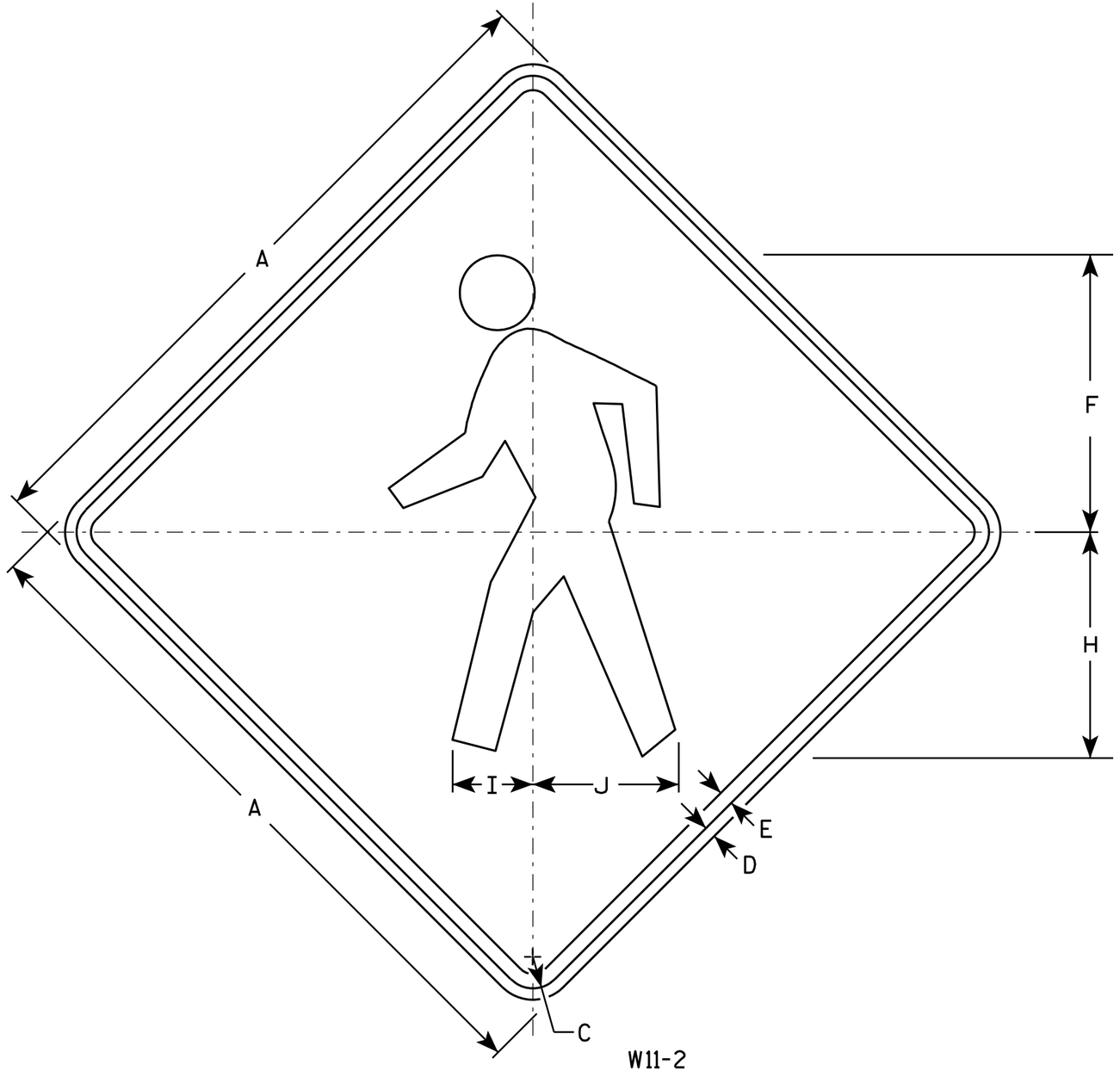
STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 482	E



W11-2

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	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

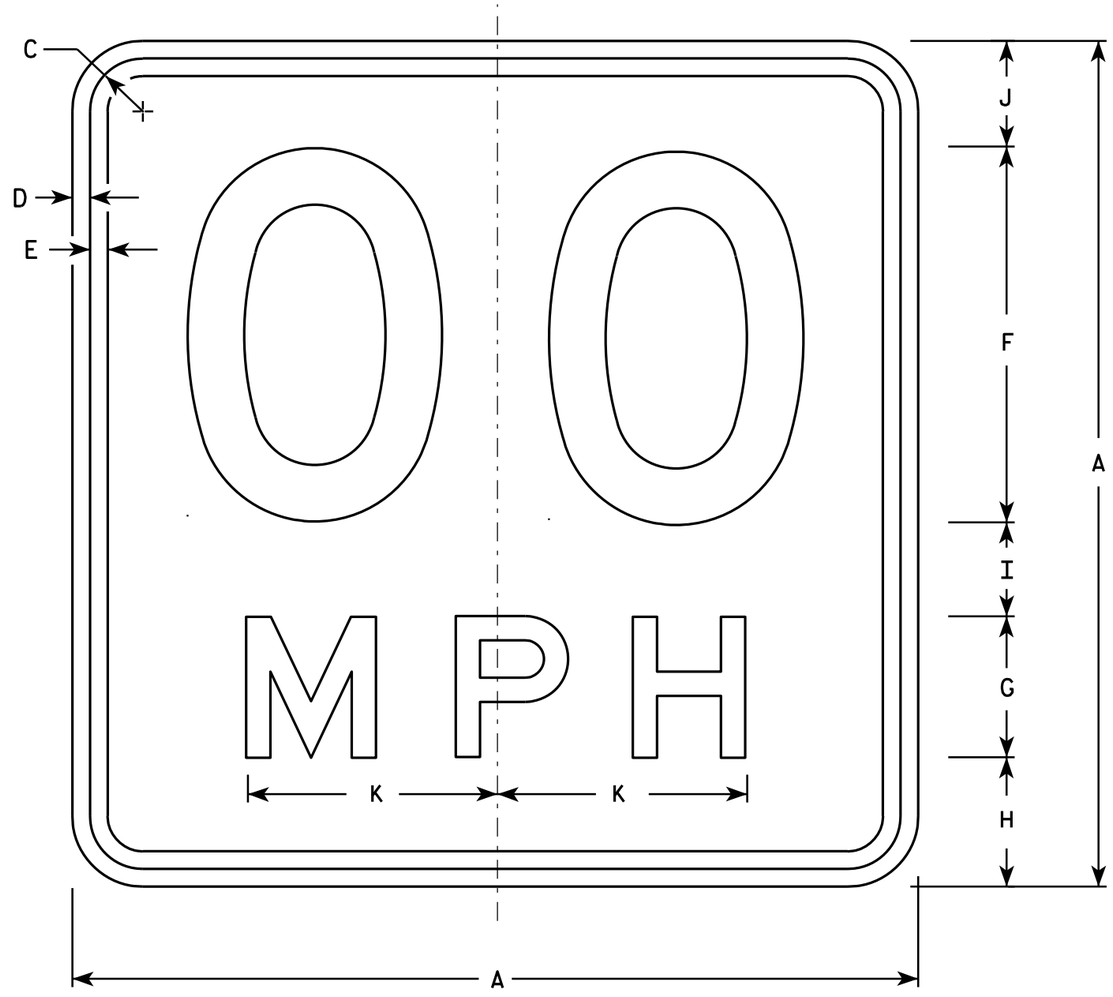
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 483	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

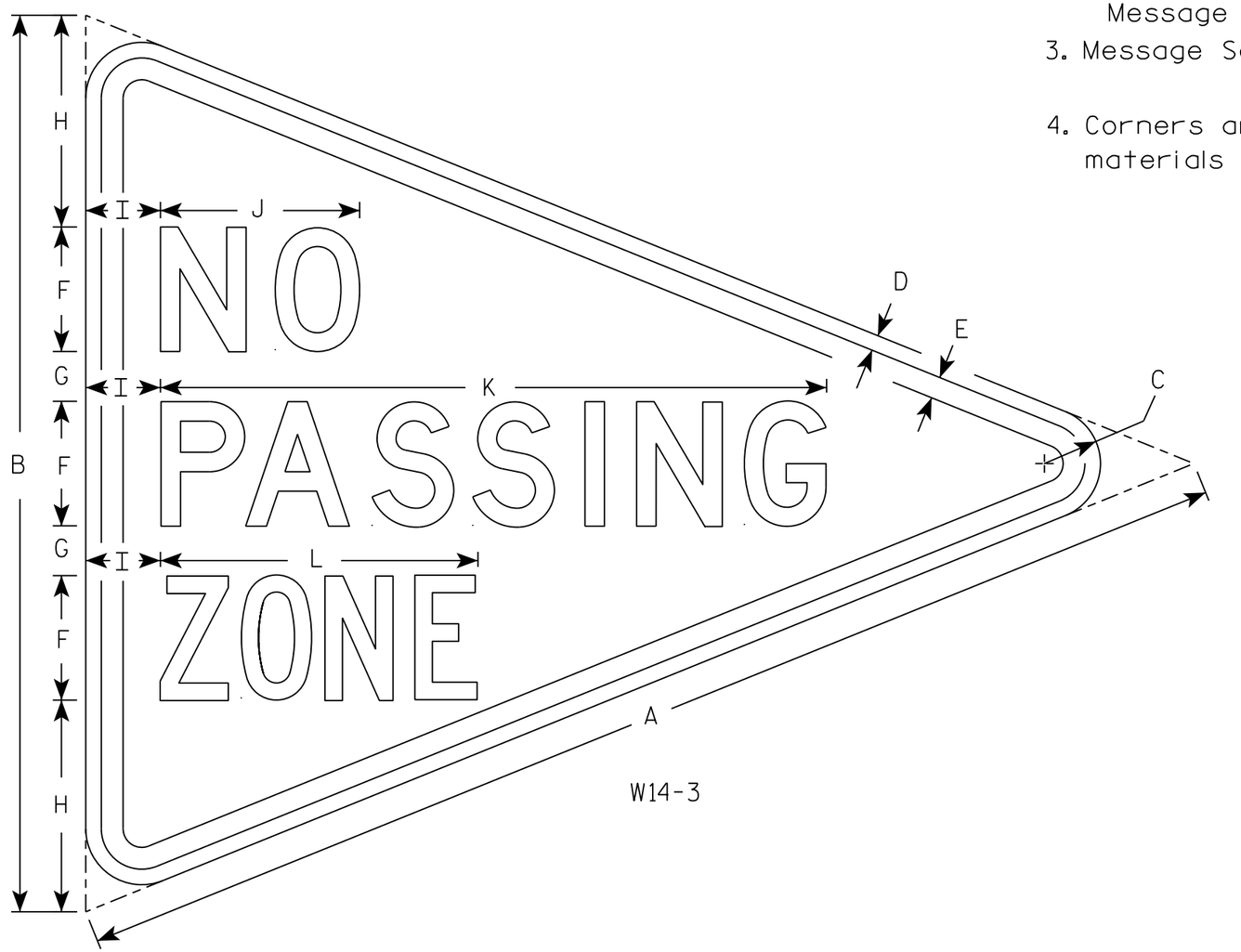
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 484 | E

NOTES

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



W14-3

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

STANDARD SIGN
W14-3

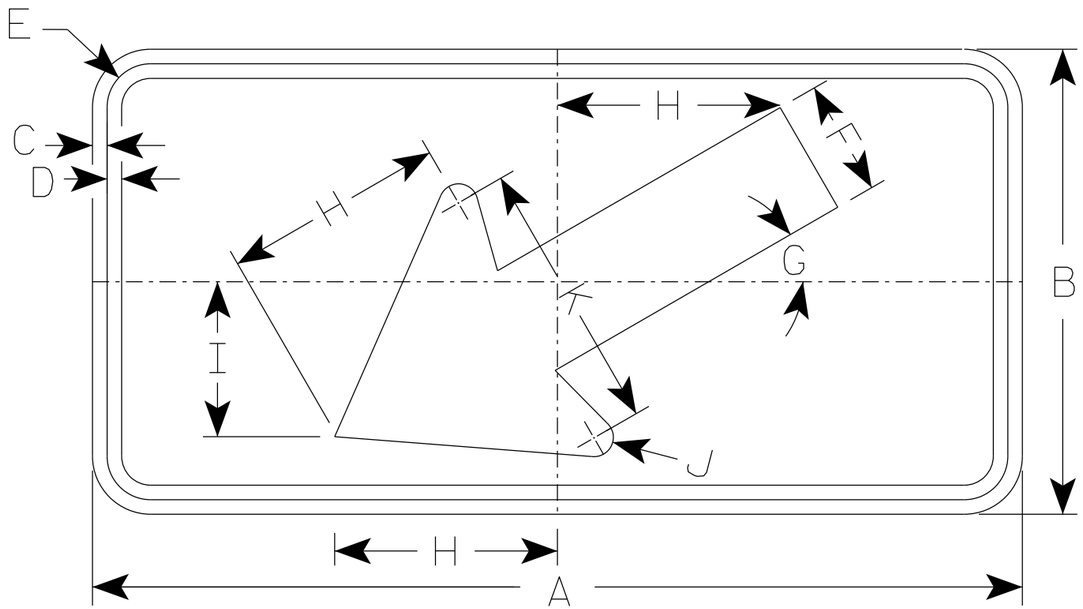
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 485 | E

7



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-L
   except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

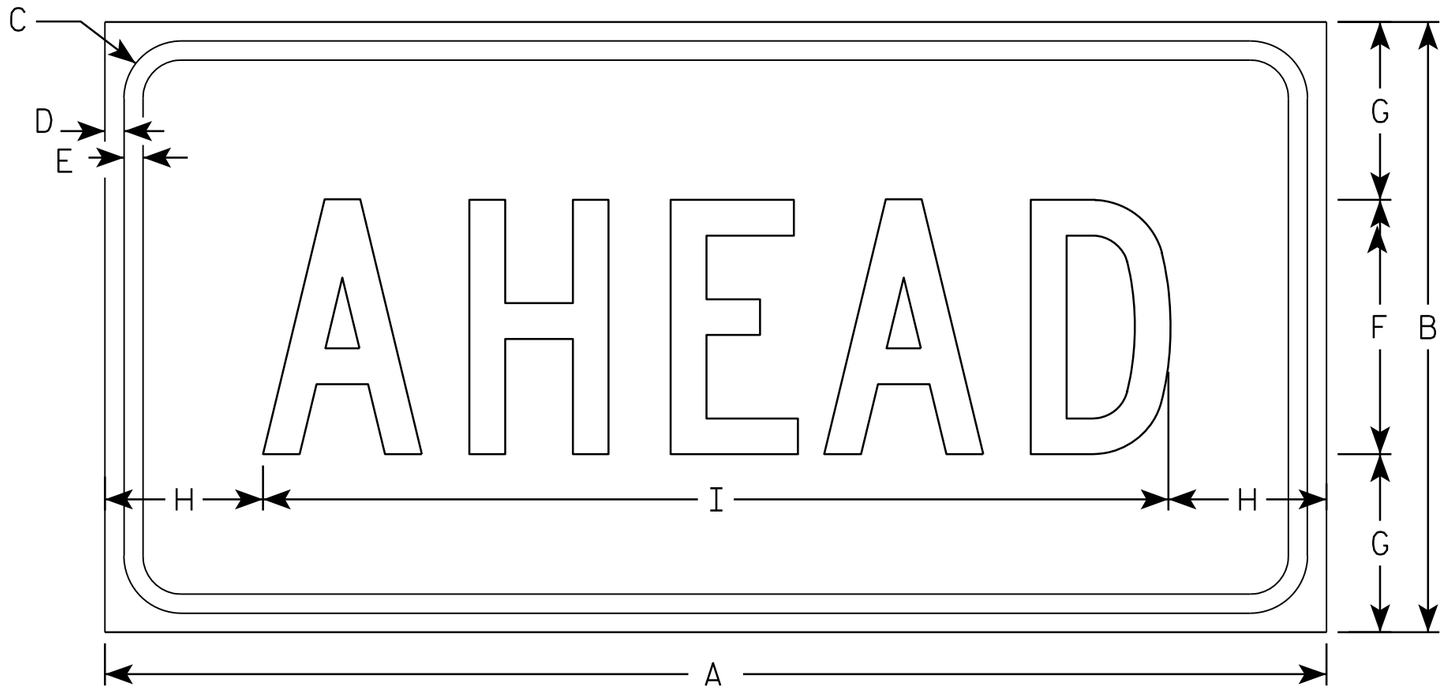
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/11/18 PLATE NO. W16-7.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 486 | E



W16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

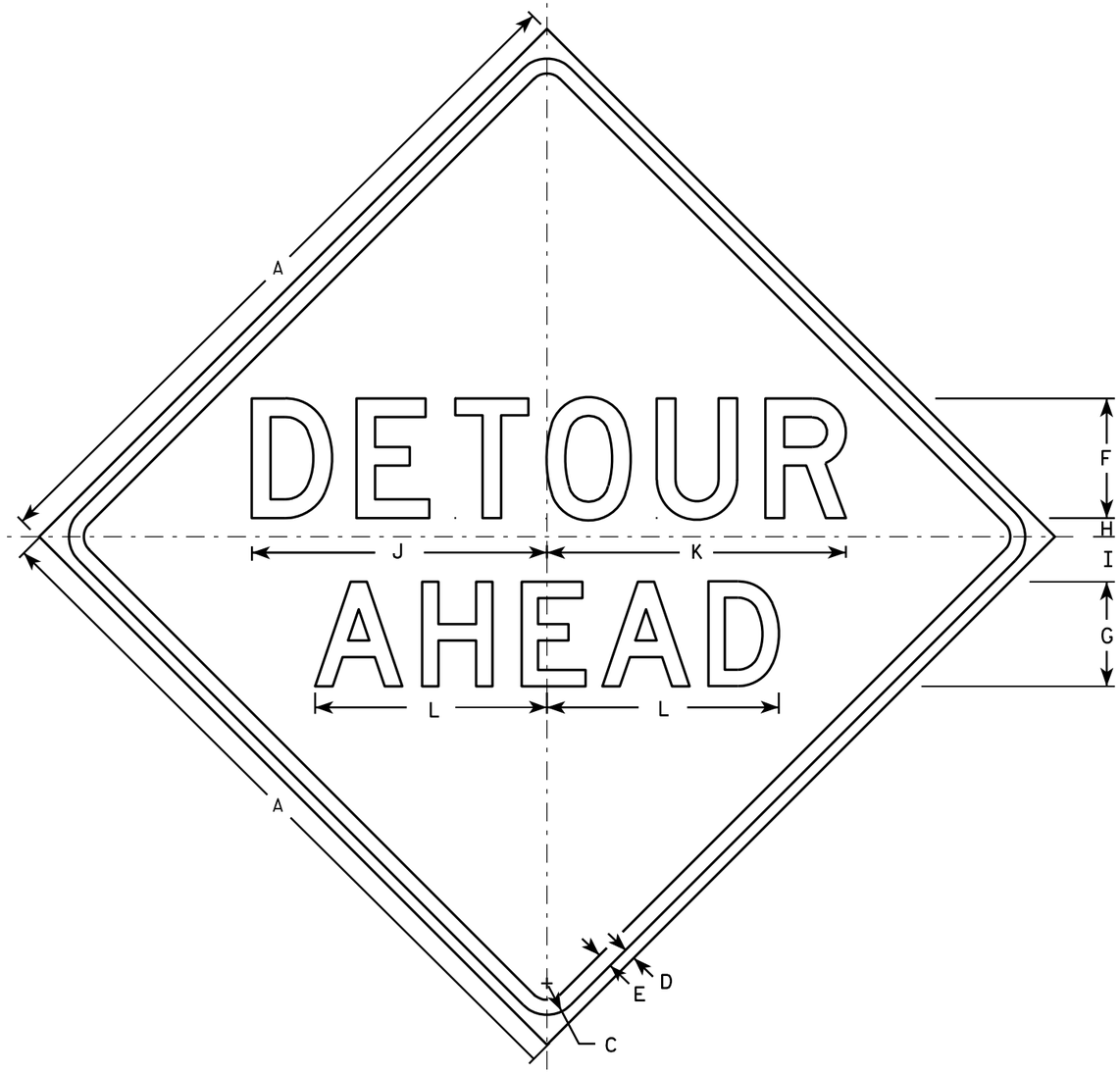
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

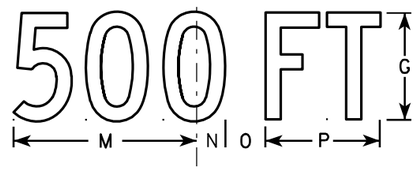
DATE 12/28/10 PLATE NO. W16-9P.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 487 | E

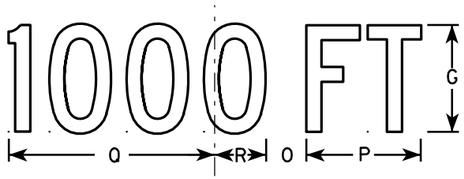
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W169P.DGN PLOT DATE : 28-DEC-2010 13:39 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 2.979524:1.000000
WISDOT/CADDS SHEET 42



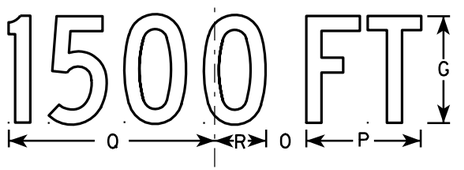
W20-2A



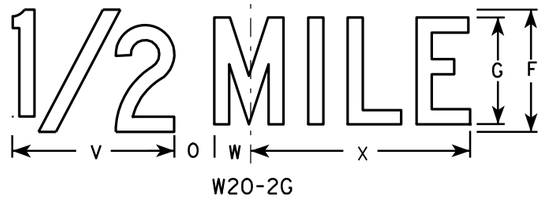
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

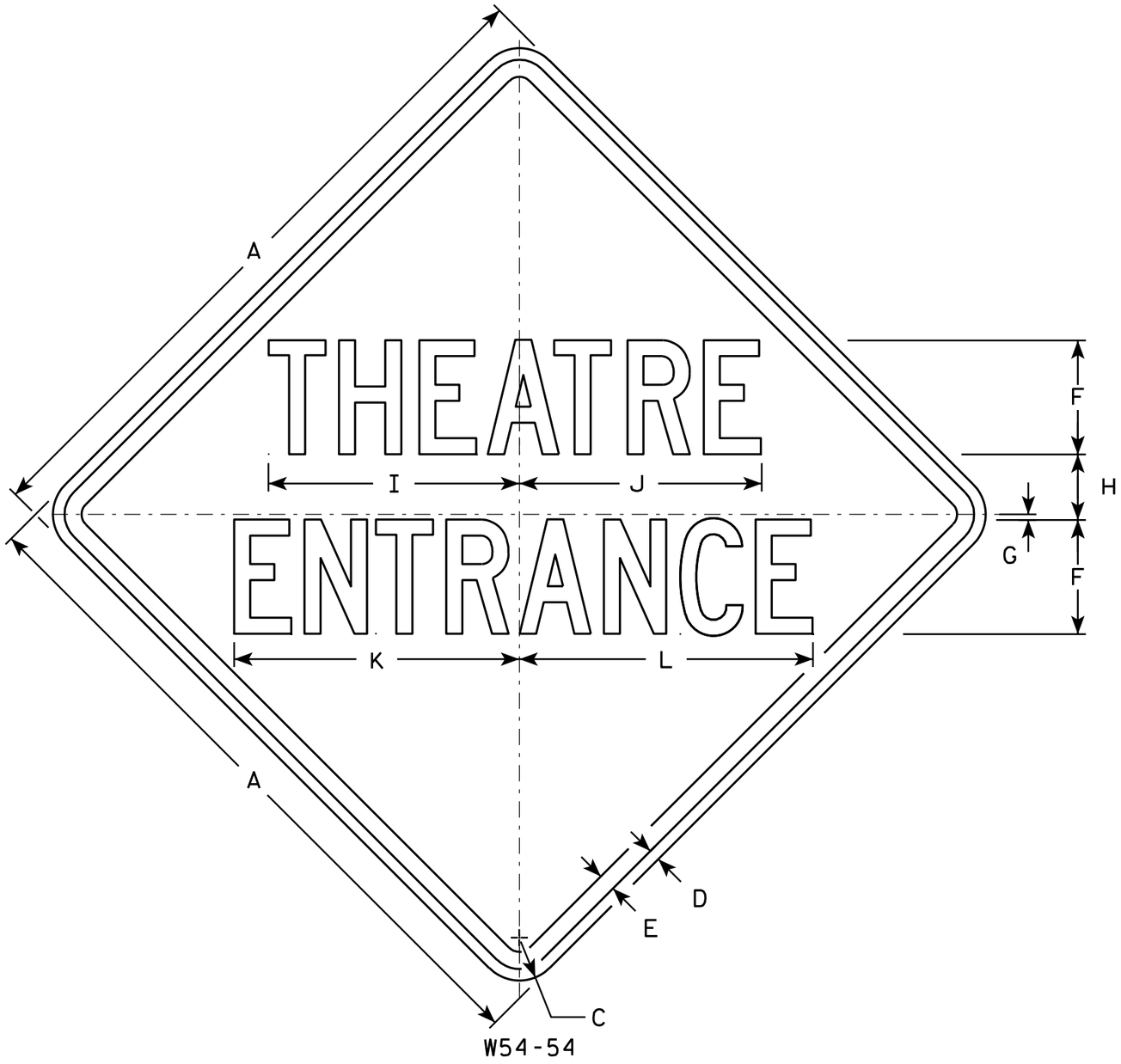
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 488	E



W54-54

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 3/8	1/2	5/8	5	1/4	2 7/8	11	10 5/8	12 1/2	12 7/8															6.25
2M	36		1 5/8	5/8	3/4	6	3/8	3 3/8	13 1/8	12 3/4	15	15 3/8															9.00
3	36		1 5/8	5/8	3/4	6	3/8	3 3/8	13 1/8	12 3/4	15	15 3/8															9.00
4																											
5																											

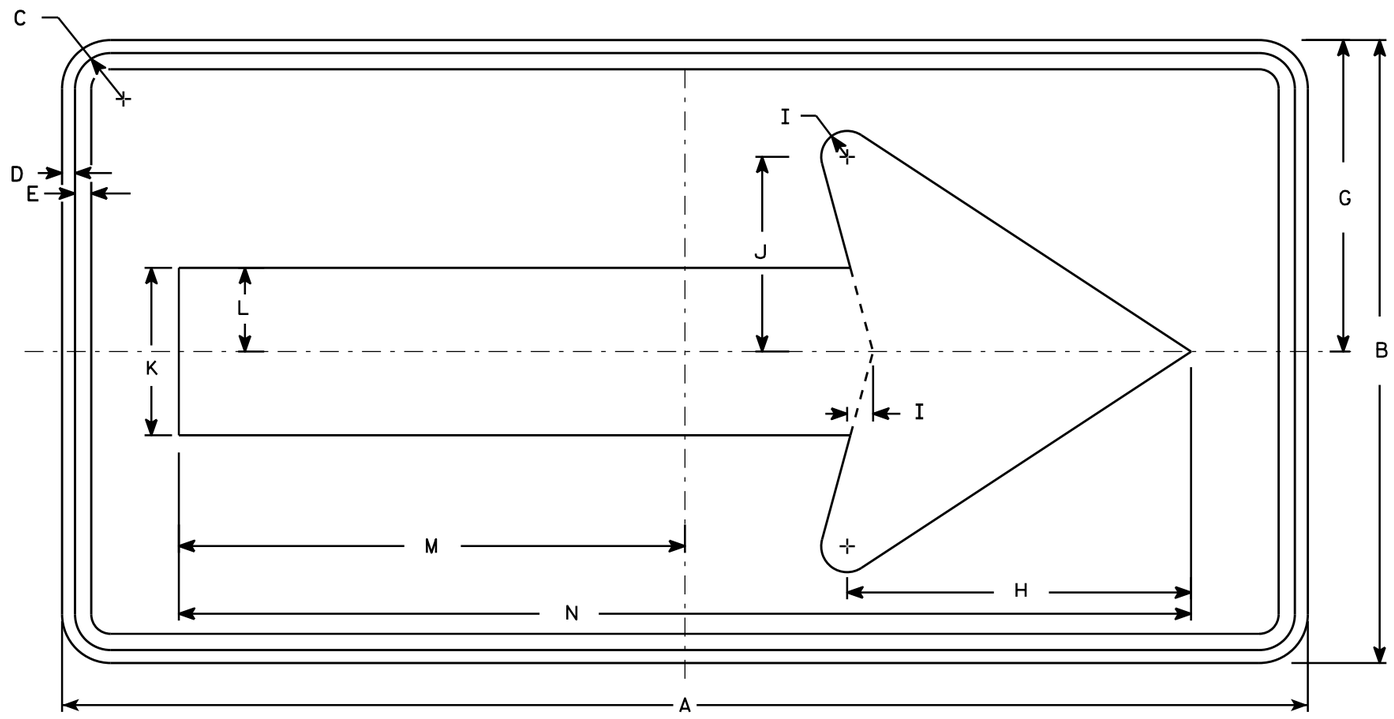
STANDARD SIGN
W54-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W54-54.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 489	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

WISCONSIN DEPT OF TRANSPORTATION

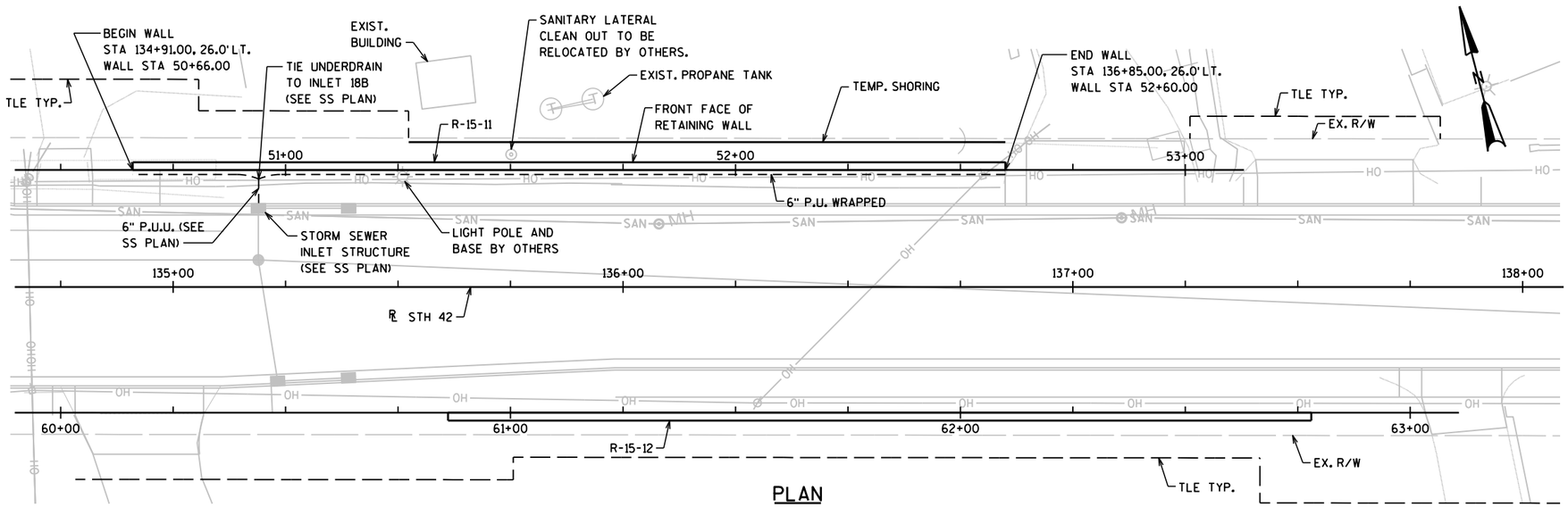
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

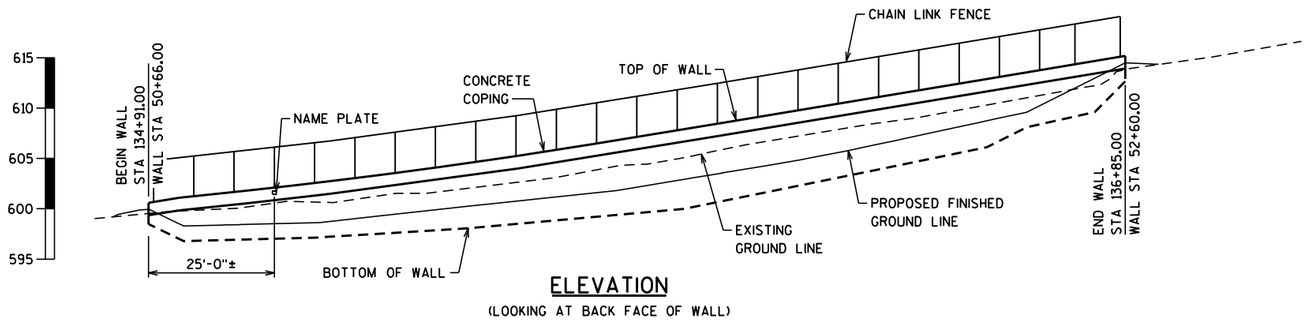
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42

STATE PROJECT NUMBER
4140-19-71



PLAN



ELEVATION
(LOOKING AT BACK FACE OF WALL)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE NOTED.

GROUND LINE ELEVATIONS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.

LENGTH OF RETAINING WALL IS MEASURED ALONG THE BACK FACE OF CONCRETE COPING.

WALL GEOMETRY AND OFFSETS ARE MEASURED TO THE BACK FACE OF CONCRETE COPING AT THE TOP OF WALL.

BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE NOTED.

MODULAR BLOCKS TO HAVE STRAIGHT SPLIT FACE AND THE COLOR SHALL BE MEDIUM TAN, (FEDERAL STANDARD COLOR NO. 33446) OR SIMILAR COLOR APPROVED BY THE ENGINEER.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINIG WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-15-11".

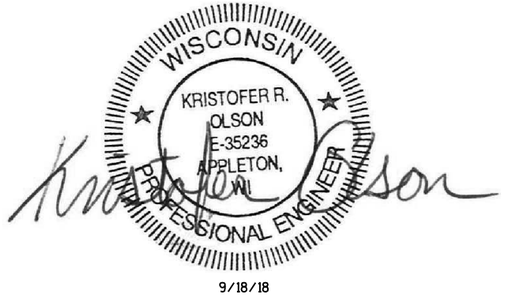
PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON SHEET 1. DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

GEOMETRY TABLE

ROADWAY STATIONING	STATIONING ALONG FF OF WALL	OFFSET FACE OF WALL FROM REF. LINE (FT)	TOP OF WALL ELEVATION	BOTTOM OF WALL ELEVATION	FINISHED GROUND LINE ELEVATION
134+91.00	50+66.00	26.00	600.60	598.60	600.10
134+98.00	50+73.00	26.00	601.14	596.79	598.29
135+05.00	50+80.00	26.00	601.50	596.88	598.38
135+25.00	51+00.00	26.00	602.63	597.14	598.64
135+45.00	51+20.00	26.00	603.90	597.45	599.99
135+55.00	51+30.00	26.00	604.62	597.60	600.28
135+65.00	51+40.00	26.00	605.31	598.09	601.12
135+85.00	51+60.00	26.00	606.88	599.12	602.18
135+98.00	51+73.00	26.00	607.97	599.81	603.01
136+05.00	51+80.00	26.00	608.54	600.60	603.71
136+25.00	52+00.00	26.00	610.20	602.79	605.65
136+45.00	52+20.00	26.00	611.86	604.84	607.20
136+58.00	52+33.00	26.00	612.89	606.12	608.74
136+65.00	52+40.00	26.00	613.52	607.99	609.49
136+79.00	52+54.00	26.00	614.68	609.63	611.13
136+85.00	52+60.00	26.00	615.18	612.41	613.91



9/18/18

TOTAL ESTIMATED QUANTITIES

511.1200	TEMPORARY SHORING (R-15-11)	450 SF
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	194 LF
SPV.0090	FENCE CHAIN LINK POLYMER COATED 4-FT	193 LF
SPV.0165	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-15-11	1611 SF

LIST OF DRAWINGS

1. GENERAL PLAN
2. SECTIONS & DETAILS
3. FENCING DETAILS
4. SUBSURFACE EXPLORATION

BRIDGE OFFICE CONTACT

BILL DREHER
(608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES
(920) 735-6900

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Ducker SDR 09/20/18
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-15-11

RETAINING WALL NORTH OF STH 42

COUNTY	TOWN
DOOR	GIBRALTAR

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BRE	KRO	BRE	KRO

GENERAL PLAN

SHEET 1 OF 4

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NOTES:

A. BATTER VARIES BY MANUFACTURER

B. PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. DRAIN TO INLET 18B (SEE SS PLANS). ATTACH PERMANENT PLUG AT HIGH ENDS.

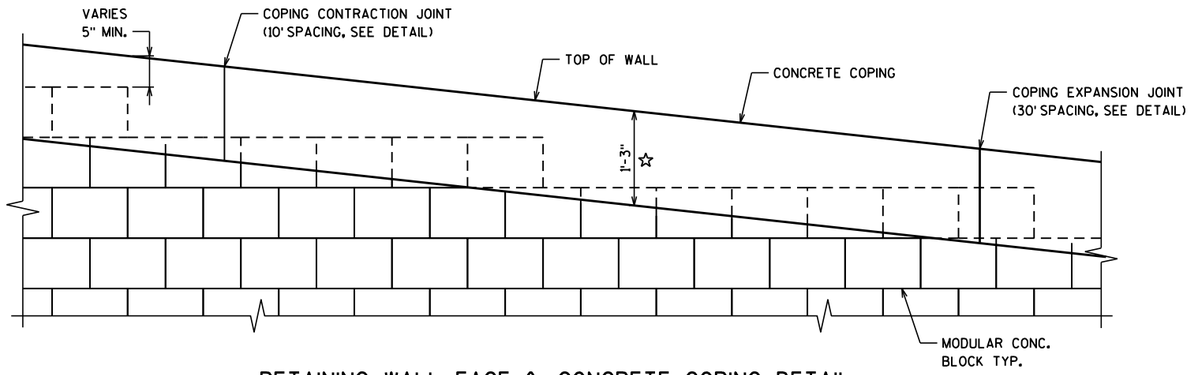
C. THIS DIMENSION MAY CHANGE DEPENDING ON HEIGHT OF BLOCKS. THIS DIMENSION TO BE CONSTANT FOR ENTIRE LENGTH OF WALL. MAXIMUM ALLOWABLE HEIGHT OF BLOCKS TO BE 9 INCHES.

D. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONC.)

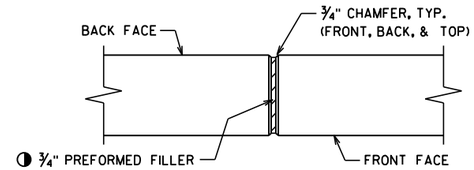
PLACE EXPANSION JOINTS AT EVERY THIRD JOINT AND AT ALL WALL RADIUS PC/PT POINTS AND BEND POINTS.

E. "L" SHALL BE A MINIMUM OF 0.7 TIMES THE WALL HEIGHT BUT NOT LESS THAN 6 FEET.

MAINTAIN 2" MINIMUM COVER ON ALL REBAR

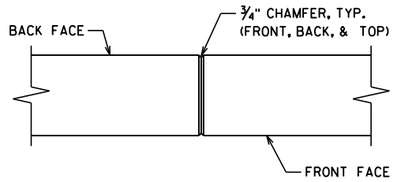


RETAINING WALL FACE & CONCRETE COPING DETAIL



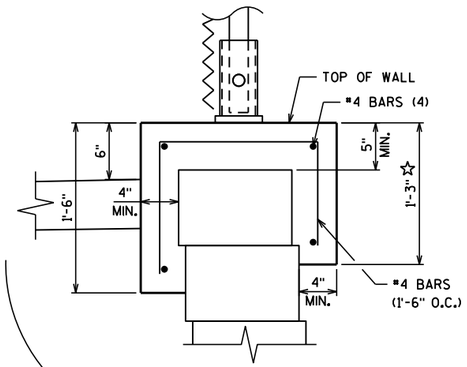
COPING VERTICAL EXPANSION JOINT

(DO NOT RUN BAR STEEL THRU JOINT)

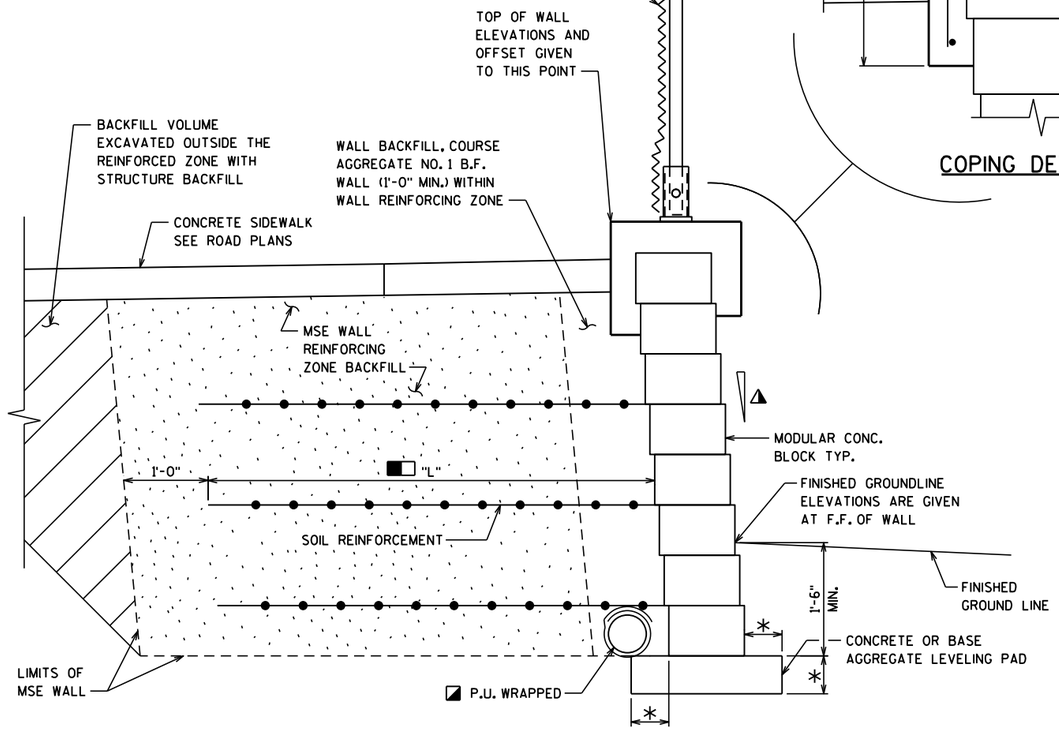


COPING VERTICAL CONTRACTION JOINT

(DO NOT RUN BAR STEEL THRU JOINT)



COPING DETAIL



TYPICAL RETAINING WALL SECTION

WALL EXTERNAL STABILITY EVALUATION

Dimensions	
Wall Height (feet) [1]	6.70
Exposed Wall Height (feet)	5.20
Length of Reinforcement (feet)	6.0
Length of Rein. To Height Ratio	0.90
Boring Location Used	BN02
Approximate Plan Roadway Station	136+00
Back Slope Above Wall	Horizontal
Safety Factors [2,3]	
Sliding (CDR > 1.0) [2]	1.80
Overturning (CDR > 1.0) [2]	1.82
Global Stability (FS_{req} > 1.5) [3,4]	1.63
Bearing Capacity (CDR > 1.0) [2]	1.55
Factored Bearing Resistance [5]	3,000

1. Wall height includes a minimum embedment depth of 1½ feet.
2. CDR (Capacity to Demand Ratio) given in Chapter 14 of the WisDOT Bridge Manual.
3. FS_{req} (Safety Factor Required) determined from *Winstabl* program
4. Overall (Global) Stability Factor of Safety (FS) given in AASHTO LRFD [11.6.2.3] where φ=0.65. FS=1/ φ=1/0.65=1.5
5. Factored Bearing Resistance equation given in AASHTO LRFD [10.6.3.1.2-a]. Factor φ=0.65 given in AASHTO LRFD [Table 11.5.7-1]

SOIL PARAMETERS

Soil Description	Friction Angle (Degrees)	Cohesion (Psf)	Unit Weight (Pcf)
Granular Backfill Within the Wall In The Reinforcing Zone	34	0	125
BN01 - STA 135+15 - 6 ft LT			
FILL - Gravelly Sand, with Silt (Elevation 600.1 Ft - 598.0 Ft)	35	0	125
Possible Fill - Gravel, crushed/fragmented dolostone (Elevation 598.0 Ft - 595.5 Ft)	35	0	130
Possible Fill - Silt with Gravel, with sand (Elevation 595.5 Ft - 590.4 Ft)	31	0	125
BN02 - STA 135+85 - 6 ft LT			
FILL - Silty Sand, with Rock Fragments (Elevation 606.5 Ft - 599.5 Ft)	32	0	125
Sandy Silt with Gravel (Elevation 599.5 Ft - 595.0 Ft)	40	0	130
BN03 - STA 136+55 - 6 ft LT			
FILL - Sand with Silt and Rock Fragments (Elevation 611.0 Ft - 607.5 Ft)	34	0	125
Gravel and Silt with Sand (Elevation 607.5 Ft - 602.5 Ft)	33	0	125
Gravel, crushed/fragmented dolostone, Silt (Elevation 602.5 Ft - 595.6 Ft)	36	0	130

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-15-11

DRAWN BY BRE | PLANS CK'D. KRO

SECTIONS & DETAILS

SHEET 2 OF 4

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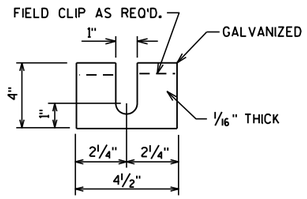
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STATE PROJECT NUMBER
4140-19-71

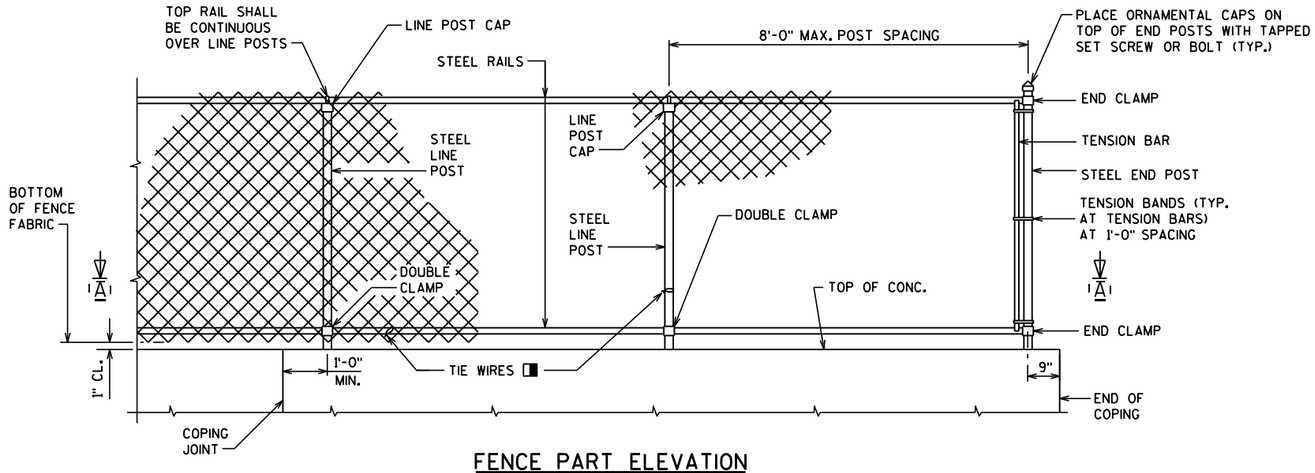
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



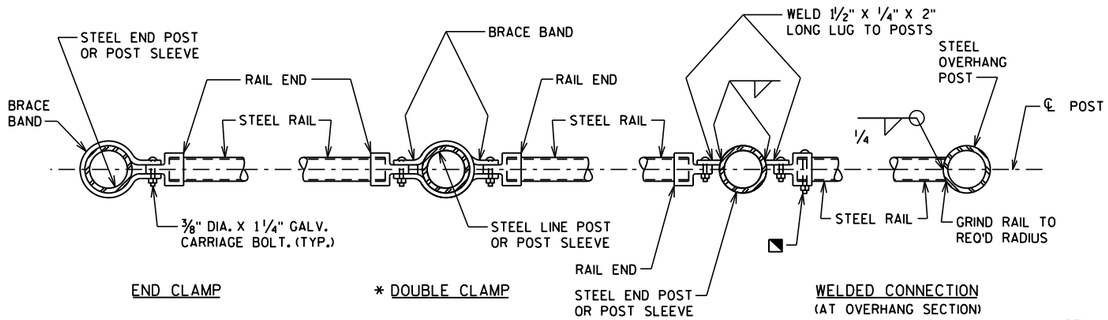
POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



FENCE PART ELEVATION

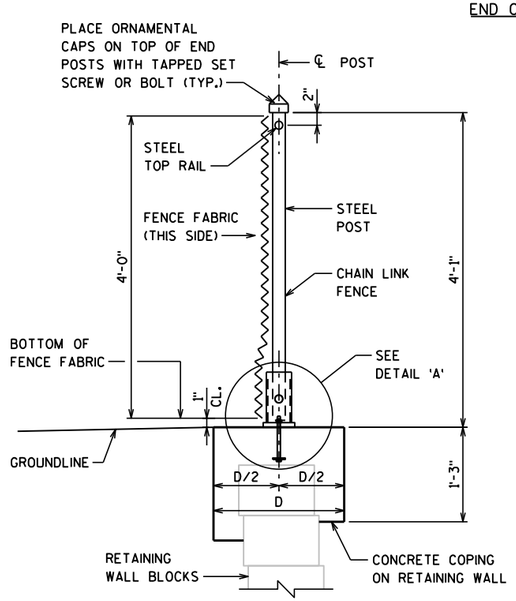
VIEWING FABRIC SIDE



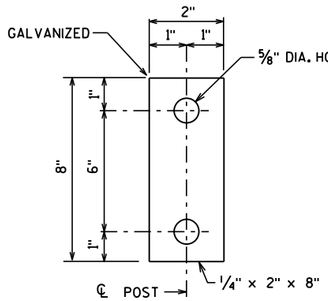
END CLAMP * DOUBLE CLAMP WELDED CONNECTION (AT OVERHANG SECTION)

SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS

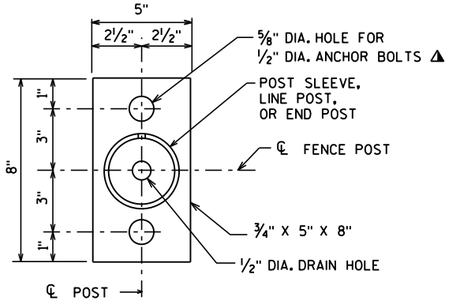


SECTION THRU FENCE

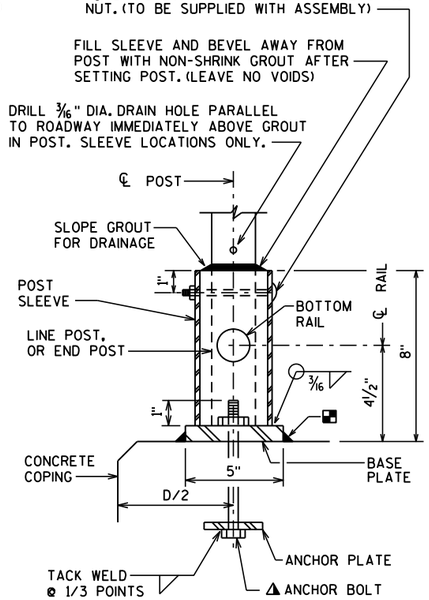


ANCHOR PLATE

☆ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



BASE PLATE



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION

NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

NOTES

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE "BRIDGE SPECIAL PROVISIONS" FOR ADDITIONAL DETAILS.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE DARK GREEN IN ACCORDANCE WITH ASTM F934.

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4- FT", LF.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

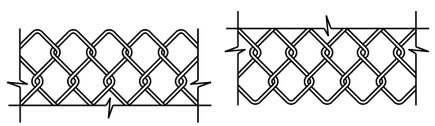
⚠ 1/2" DIA. X 6 7/8" LONG GALVANIZED HEX BOLT WITH NUT & WASHER. ☆

☆ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 1/2-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

◨ ATTACH FABRIC TO RAILS, AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

◹ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-15-11

DRAWN BY BRE | PLANS CK'D. KRO

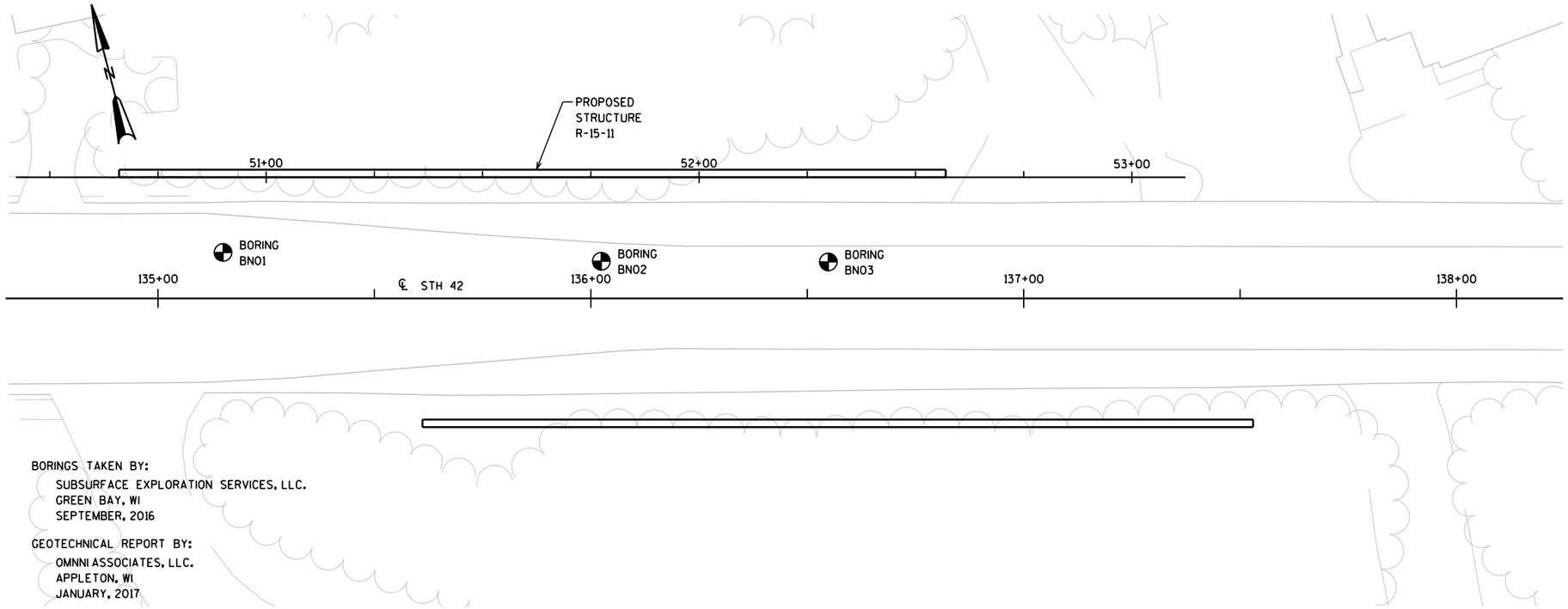
FENCING DETAILS

SHEET 3 OF 4

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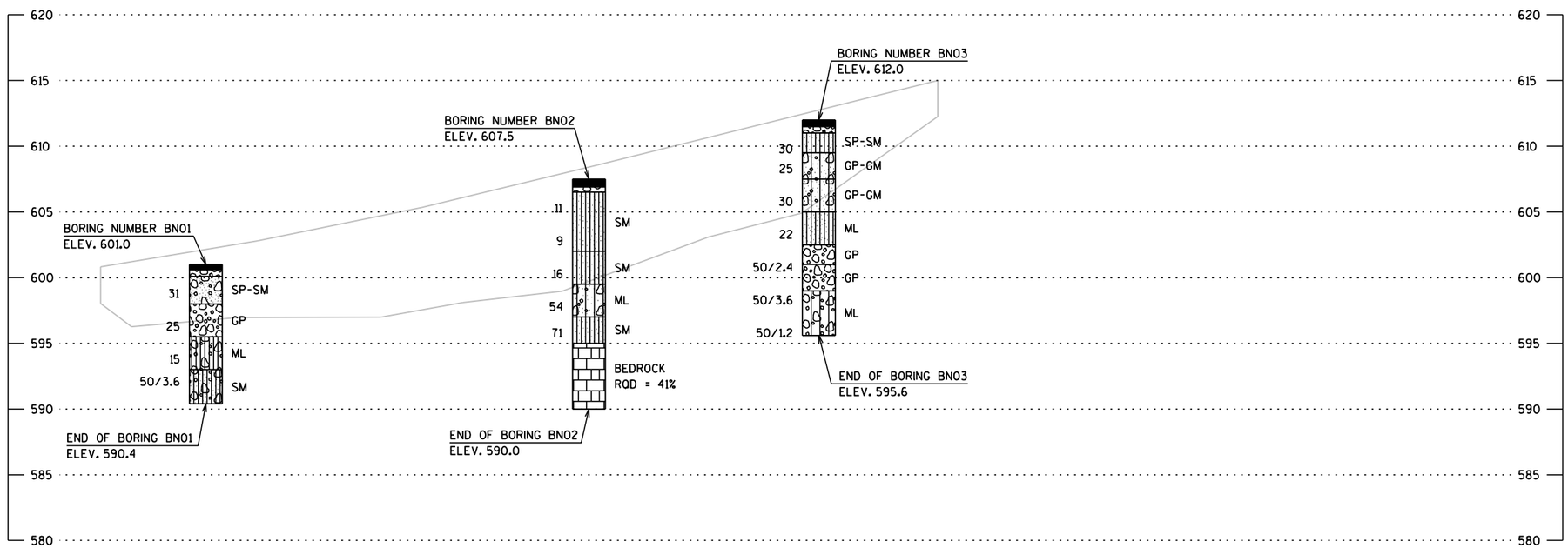
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BORINGS TAKEN BY:
SUBSURFACE EXPLORATION SERVICES, LLC.
GREEN BAY, WI
SEPTEMBER, 2016

GEOTECHNICAL REPORT BY:
OMNNI ASSOCIATES, LLC.
APPLETON, WI
JANUARY, 2017



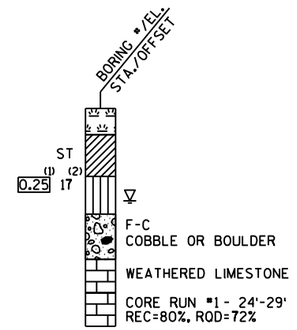
STATE PROJECT NUMBER

4140-19-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-15-11

DRAWN BY BRE | PLANS CK'D. KRO

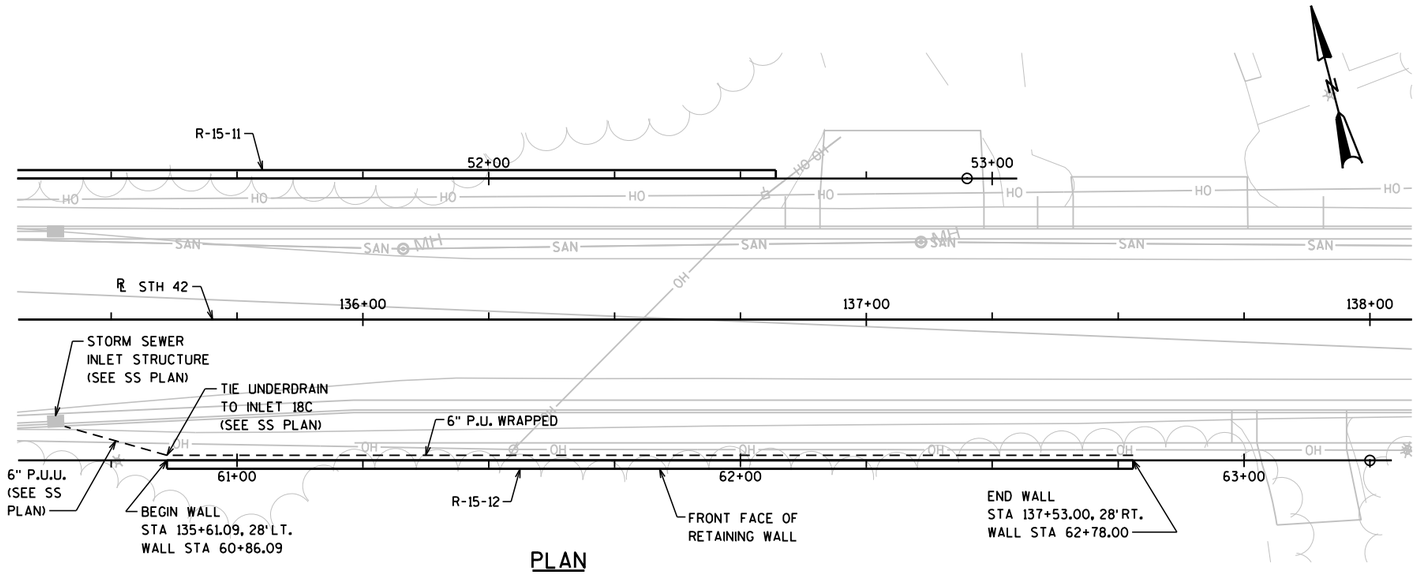
SUBSURFACE EXPLORATION

SHEET 4 OF 4

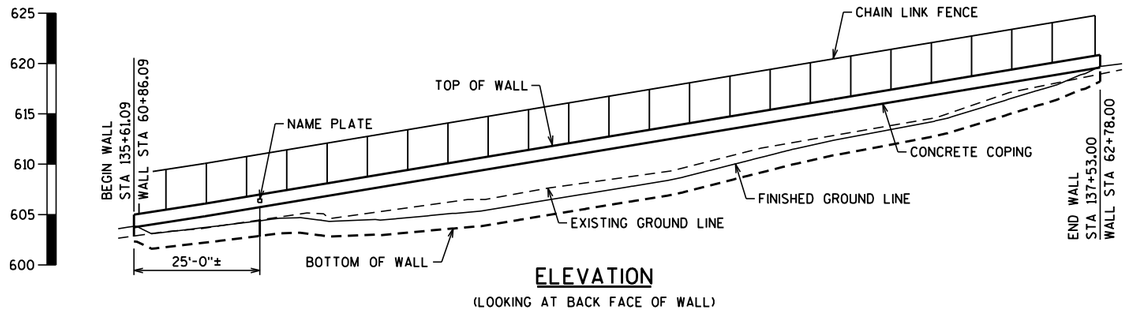
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PLAN

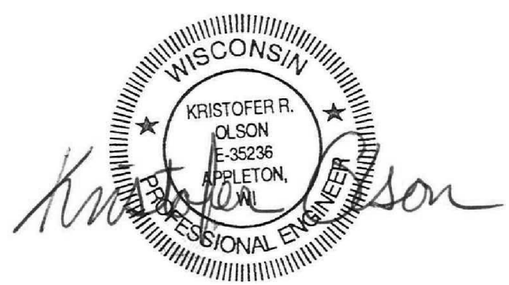


ELEVATION

(LOOKING AT BACK FACE OF WALL)

GEOMETRY TABLE

ROADWAY STATIONING	STATIONING ALONG FF OF WALL	OFFSET FACE OF WALL FROM REF. LINE (FT)	TOP OF WALL ELEVATION	BOTTOM OF WALL ELEVATION	FINISHED GROUND LINE ELEVATION
135+61.09	60+86.09	28.00	605.00	602.34	603.84
135+75.00	61+00.00	28.00	606.07	602.20	603.70
135+95.00	61+20.00	28.00	607.73	603.14	604.64
136+15.00	61+40.00	28.00	609.40	603.18	604.68
136+35.00	61+60.00	28.00	611.06	604.26	605.76
136+55.00	61+80.00	28.00	612.72	605.91	607.41
136+75.00	62+00.00	28.00	614.38	607.83	609.33
136+95.00	62+20.00	28.00	616.03	610.32	611.82
137+15.00	62+40.00	28.00	617.69	612.28	613.78
137+35.00	62+60.00	28.00	619.35	614.98	616.48
137+53.00	62+78.00	28.00	620.82	618.20	619.70



5/29/18

TOTAL ESTIMATED QUANTITIES

612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	192 LF
SPV.0090	FENCE CHAIN LINK POLYMER COATED 4-FT	191 LF
SPV.0165	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-15-11	1033 SF

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE NOTED.

GROUND LINE ELEVATIONS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.

LENGTH OF RETAINING WALL IS MEASURED ALONG THE BACK FACE OF CONCRETE COPING.

WALL GEOMETRY AND OFFSETS ARE MEASURED TO THE BACK FACE OF CONCRETE COPING AT THE TOP OF WALL.

BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE NOTED.

MODULAR BLOCKS TO HAVE STRAIGHT SPLIT FACE AND THE COLOR SHALL BE MEDIUM TAN, (FEDERAL STANDARD COLOR NO. 33446) OR SIMILAR COLOR APPROVED BY THE ENGINEER.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINIG WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-15-12".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON SHEET 1. DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

LIST OF DRAWINGS

1. GENERAL PLAN
2. SECTIONS & DETAILS
3. FENCING DETAILS
4. SUBSURFACE EXPLORATION

BRIDGE OFFICE CONTACT

BILL DREHER
(608) 266-8489

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES
(920) 735-6900

STATE PROJECT NUMBER

4140-19-71

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 09/24/18
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-15-12

RETAINING WALL SOUTH OF STH 42

COUNTY	TOWN
DOOR	GIBRALTAR

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BRE	KRO	BRE	KRO

GENERAL PLAN

SHEET 1 OF 4

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STATE PROJECT NUMBER
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NOTES:

⚠ BATTER VARIES BY MANUFACTURER

◪ PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. DRAIN TO INLET 18C (SEE SS PLANS). ATTACH PERMANENT PLUG AT HIGH ENDS.

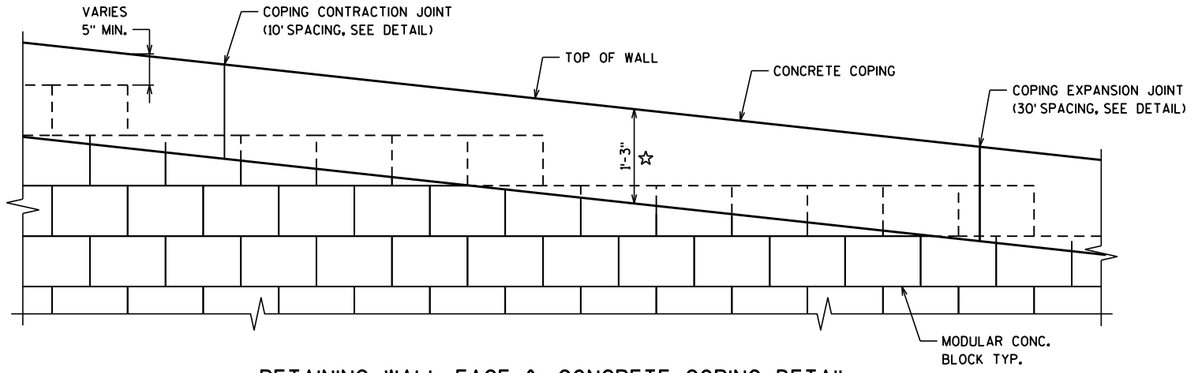
☆ THIS DIMENSION MAY CHANGE DEPENDING ON HEIGHT OF BLOCKS. THIS DIMENSION TO BE CONSTANT FOR ENTIRE LENGTH OF WALL. MAXIMUM ALLOWABLE HEIGHT OF BLOCKS TO BE 9 INCHES.

◑ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONC.)

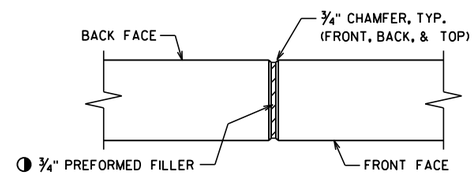
PLACE EXPANSION JOINTS AT EVERY THIRD JOINT AND AT ALL WALL RADIUS PC/PT POINTS AND BEND POINTS.

◧ "L" SHALL BE A MINIMUM OF 0.7 TIMES THE WALL HEIGHT BUT NOT LESS THAN 6 FEET.

MAINTAIN 2" MINIMUM COVER ON ALL REBAR

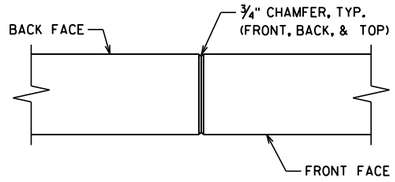


RETAINING WALL FACE & CONCRETE COPING DETAIL



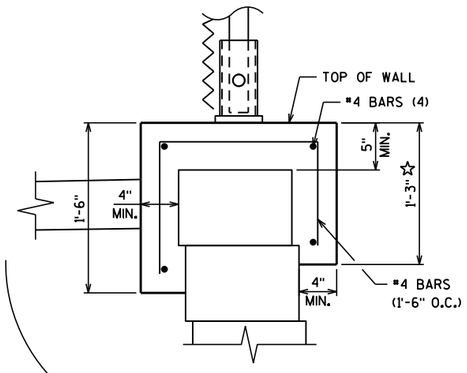
COPING VERTICAL EXPANSION JOINT

(DO NOT RUN BAR STEEL THRU JOINT)

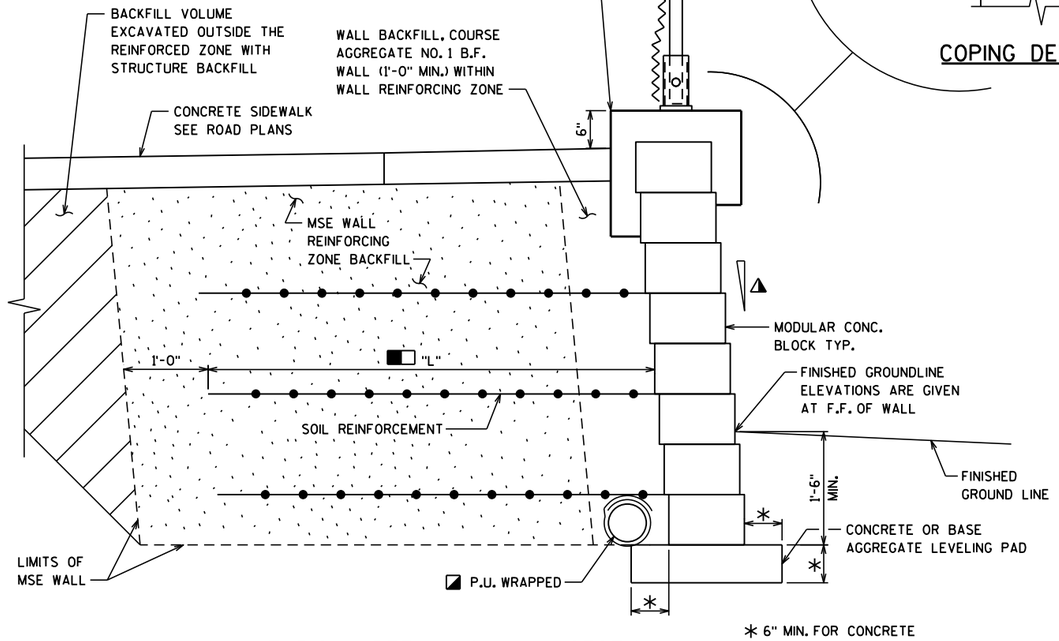


COPING VERTICAL CONTRACTION JOINT

(DO NOT RUN BAR STEEL THRU JOINT)



COPING DETAIL



TYPICAL RETAINING WALL SECTION

SOIL PARAMETERS

Soil Description	Friction Angle (Degrees)	Cohesion (Psf)	Unit Weight (Pcf)
Granular Backfill	34	0	125
Within the Wall In The Reinforcing Zone			
BS01 - STA 136+10 - 9 ft RT			
FILL - Silty Sand, little Gravel, with Rock Fragments	30	0	120
(Elevation 606.9 Ft - 602.5 Ft)			
Possible Fill - Gravel with Sand	32	0	125
(Elevation 602.5 Ft - 598.0 Ft)			
BS02 - STA 136+70 - 10 ft RT			
FILL - Silty Sand with Gravel	30	0	120
(Elevation 612.0 Ft - 604.0 Ft)			
Weathered Bedrock (Dolomite)	40	0	135
(Elevation 602.0 Ft - 597.8 Ft)			
BS03 - STA 137+30 - 10 ft RT			
FILL - Silty Sand, with Clay and Rock Fragments	30	0	120
(Elevation 617.0 Ft - 613.7 Ft)			
Gravel, Boulders, Cobbles	36	0	130
(Elevation 613.7 Ft - 612.0 Ft)			
Weathered Bedrock (Dolomite)	40	0	135
(Elevation 612.0 Ft - 603.9 Ft)			

WALL EXTERNAL STABILITY EVALUATION

Dimensions	
Wall Height (feet) [1]	5.89
Exposed Wall Height (feet)	4.39
Length of Reinforcement (feet)	6.0
Length of Rein. To Height Ratio	1.02
Boring Location Used	BS03
Approximate Plan Roadway Station	136+70
Back Slope Above Wall	Horizontal
Safety Factors [2 3]	
Sliding (CDR > 1.0) [2]	2.03
Overturning (CDR > 1.0) [2]	2.59
Global Stability (FS_{req} > 1.5) [3,4]	1.79
Bearing Capacity (CDR > 1.0) [2]	2.69
Factored Bearing Resistance [5]	3,500

1. Wall height includes a minimum embedment depth of 1½ feet.
2. CDR (Capacity to Demand Ratio) given in Chapter 14 of the WisDOT Bridge Manual.
3. FS_{req} (Safety Factor Required) determined from *Winstabl* program
4. Overall (Global) Stability Factor of Safety (FS) given in AASHTO LRFD [11.6.2.3] where φ=0.65. FS=1/ φ=1/0.65=1.5
5. Factored Bearing Resistance equation given in AASHTO LRFD [10.6.3.1.2-a]. Factor φ=0.65 given in AASHTO LRFD [Table 11.5.7-1]

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-15-12

DRAWN BY BRE | PLANS CK'D. KRO

SECTIONS & DETAILS

SHEET 2 OF 4

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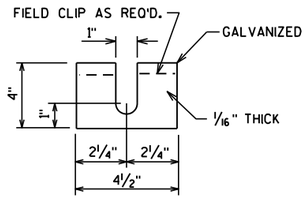
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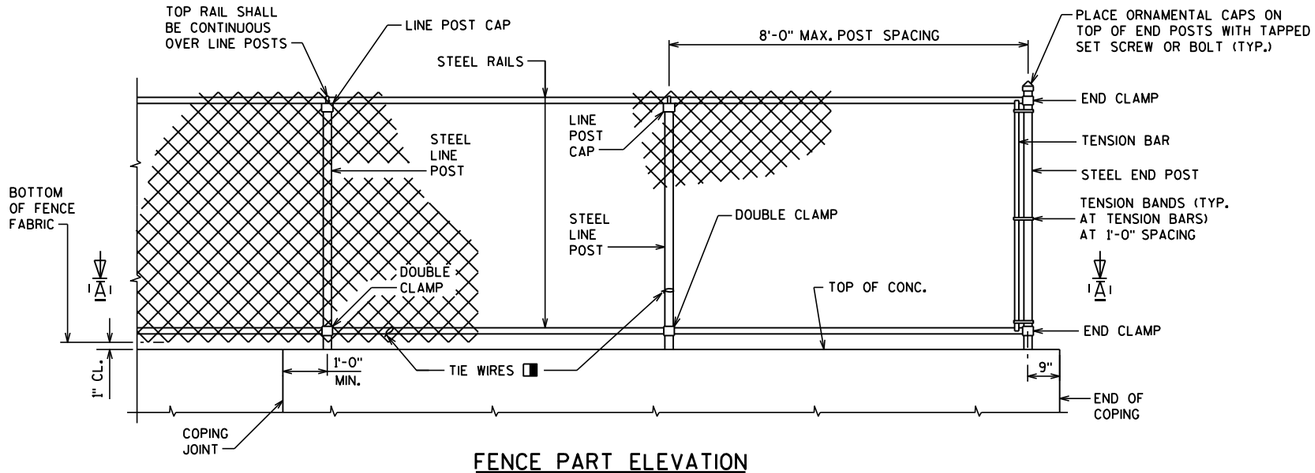
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



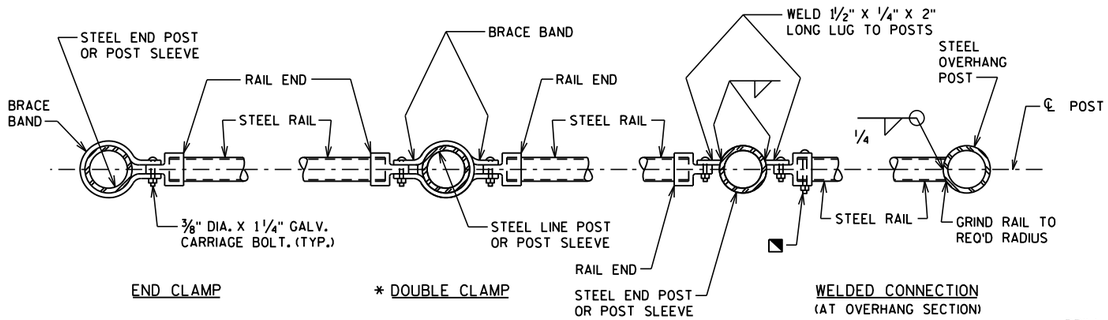
POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



FENCE PART ELEVATION

VIEWING FABRIC SIDE



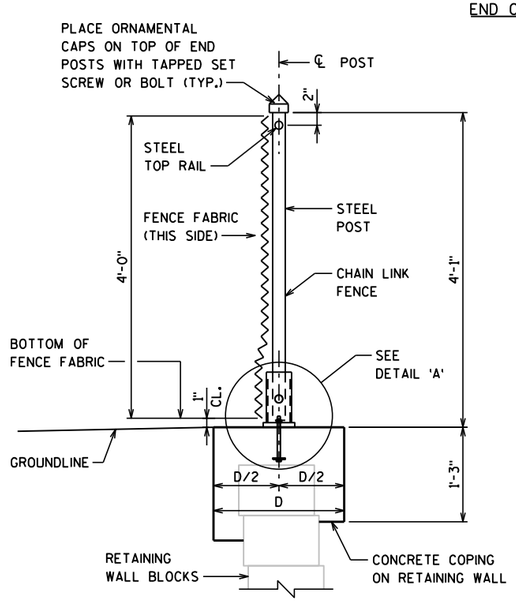
END CLAMP

* DOUBLE CLAMP

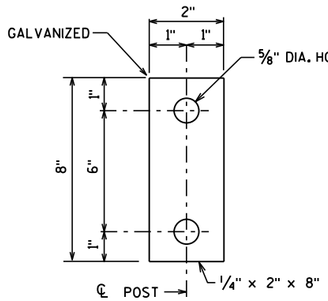
WELDED CONNECTION (AT OVERHANG SECTION)

SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS

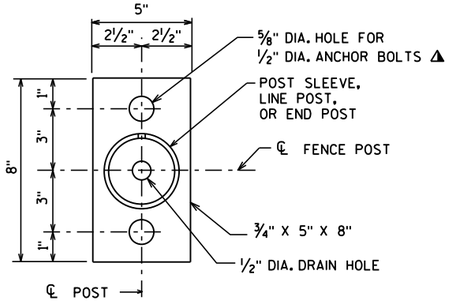


SECTION THRU FENCE

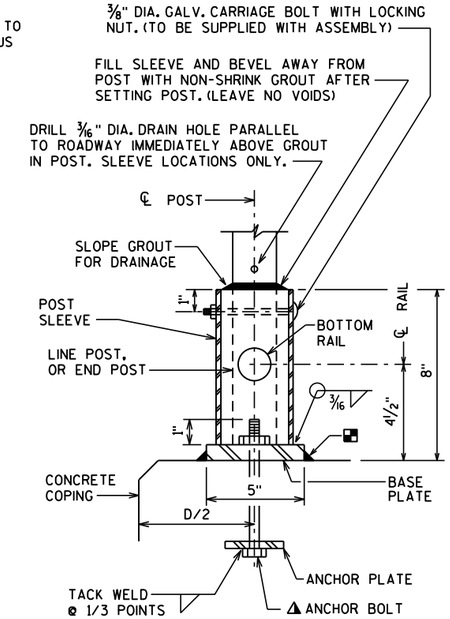


ANCHOR PLATE

☆ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



BASE PLATE



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION

NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

NOTES

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE "BRIDGE SPECIAL PROVISIONS" FOR ADDITIONAL DETAILS.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE DARK GREEN IN ACCORDANCE WITH ASTM F934.

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4- FT", LF.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

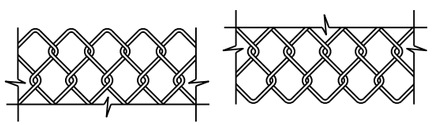
⚠ 1/2" DIA. X 6 7/8" LONG GALVANIZED HEX BOLT WITH NUT & WASHER. ☆

☆ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 1/2-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

◨ ATTACH FABRIC TO RAILS, AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

◹ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-15-12

DRAWN BY BRE | PLANS CK'D. KRO

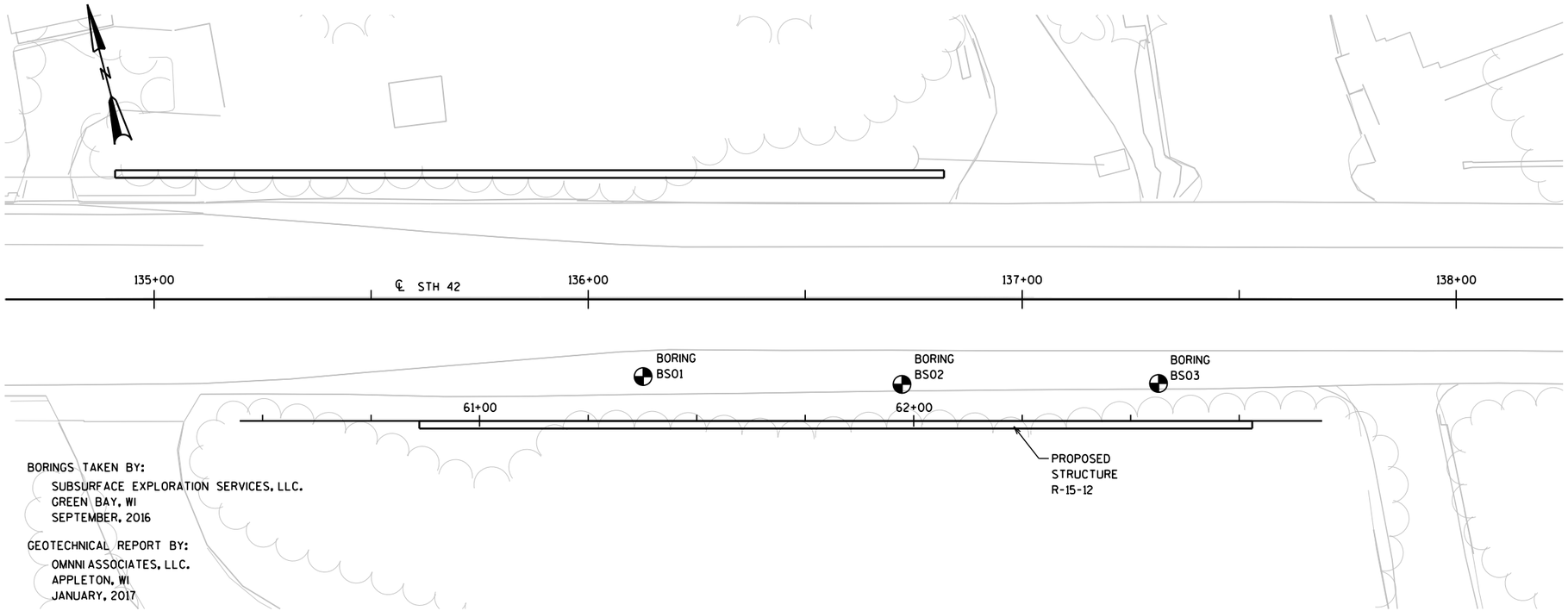
FENCING DETAILS

SHEET 3 OF 4

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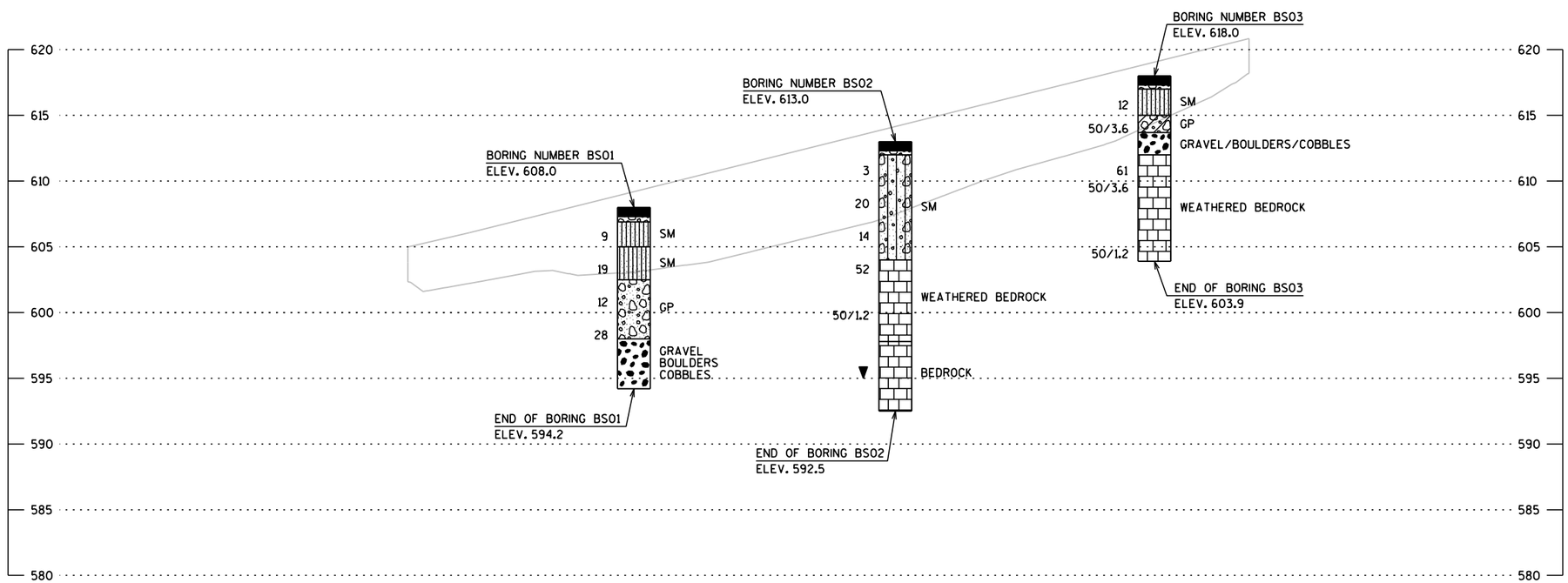
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BORINGS TAKEN BY:
SUBSURFACE EXPLORATION SERVICES, LLC.
GREEN BAY, WI
SEPTEMBER, 2016

GEOTECHNICAL REPORT BY:
OMNNI ASSOCIATES, LLC.
APPLETON, WI
JANUARY, 2017



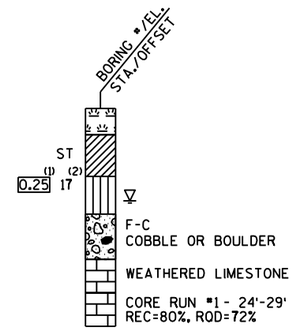
STATE PROJECT NUMBER

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MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-15-12

DRAWN BY BRE | PLANS CK'D. KRO

SUBSURFACE EXPLORATION

SHEET 4 OF 4

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STH 42 BEAMGUARD

			AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)							
STATION	Real Station	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
473+91.68	47391.68	0.00	6.39	0.00	1.90	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
474+00	47400.00	8.32	5.76	0.00	3.24	0.00	0.00	0.00	2	0	1	0	0	0	2	1	0	0	0	0	0	1
474+49.78	47449.78	49.78	14.85	0.00	0.00	0.00	0.00	0.00	19	0	3	0	0	0	21	5	0	0	0	0	0	16
474+50	47450.00	0.22	30.79	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	21	5	0	0	0	0	0	16
474+97.59	47497.59	47.59	21.99	0.00	14.52	0.00	0.00	0.00	47	0	13	0	0	0	68	21	0	0	0	0	0	47
475+00	47500.00	2.41	21.68	0.00	16.80	0.00	0.00	0.00	2	0	1	0	0	0	70	22	0	0	0	0	0	47
475+10.09	47510.09	10.09	21.45	0.00	22.65	0.00	0.00	0.00	8	0	7	0	0	0	78	32	0	0	0	0	0	46
475+10.11	47510.11	0.02	21.45	0.00	22.65	0.00	0.00	0.00	0	0	0	0	0	0	78	32	0	0	0	0	0	46
475+22.59	47522.59	12.48	21.19	0.00	16.23	0.00	0.00	0.00	10	0	9	0	0	0	87	43	0	0	0	0	0	45
475+22.62	47522.62	0.02	21.19	0.00	16.22	0.00	0.00	0.00	0	0	0	0	0	0	87	43	0	0	0	0	0	45
475+35.12	47535.12	12.50	20.97	0.00	9.55	0.00	0.00	0.00	10	0	6	0	0	0	97	50	0	0	0	0	0	47
475+47.44	47547.44	12.32	7.46	0.00	4.99	0.00	0.00	0.00	6	0	3	0	0	0	104	55	0	0	0	0	0	49
475+47.6	47547.60	0.16	5.67	0.00	4.79	0.00	0.00	0.00	0	0	0	0	0	0	104	55	0	0	0	0	0	49
475+50	47550.00	2.40	5.69	0.00	3.95	0.00	0.00	0.00	1	0	0	0	0	0	104	55	0	0	0	0	0	49
475+60.12	47560.12	10.12	5.80	0.00	2.42	0.00	0.00	0.00	2	0	1	0	0	0	106	57	0	0	0	0	0	50
475+80.84	47580.84	20.72	6.08	0.00	14.08	0.00	0.00	0.00	5	0	6	0	0	0	111	64	0	0	0	0	0	46
476+00	47600.00	19.16	7.24	0.00	0.00	0.00	0.00	0.00	5	0	5	0	0	0	116	71	0	0	0	0	0	45
476+50	47650.00	50.00	4.02	0.00	6.06	0.00	0.00	0.00	10	0	6	0	0	0	126	78	0	0	0	0	0	48
477+00	47700.00	50.00	3.86	0.00	2.34	0.00	0.00	0.00	7	0	8	0	0	0	133	87	0	0	0	0	0	46
477+25	47725.00	25.00	4.02	0.00	2.13	0.00	0.00	0.00	4	0	2	0	0	0	137	90	0	0	0	0	0	47
477+50	47750.00	25.00	4.72	0.00	3.39	0.00	0.00	0.00	4	0	3	0	0	0	141	93	0	0	0	0	0	48
477+75	47775.00	25.00	8.41	0.00	0.00	0.00	0.00	0.00	6	0	2	0	0	0	147	95	0	0	0	0	0	52
478+00	47800.00	25.00	4.20	0.00	4.79	0.00	0.00	0.00	6	0	2	0	0	0	153	98	0	0	0	0	0	55
478+50	47850.00	50.00	3.55	0.00	3.58	0.00	0.00	0.00	7	0	8	0	0	0	160	108	0	0	0	0	0	53
479+00	47900.00	50.00	3.91	0.00	2.32	0.00	0.00	0.00	7	0	5	0	0	0	167	114	0	0	0	0	0	53
479+50	47950.00	50.00	3.35	0.00	5.16	0.00	0.00	0.00	7	0	7	0	0	0	174	123	0	0	0	0	0	51
480+00	48000.00	50.00	3.69	0.00	4.72	0.00	0.00	0.00	7	0	9	0	0	0	180	135	0	0	0	0	0	46
480+50	48050.00	50.00	5.26	0.00	1.55	0.00	0.00	0.00	8	0	6	0	0	0	189	142	0	0	0	0	0	47
481+00	48100.00	50.00	6.12	0.00	1.36	0.00	0.00	0.00	11	0	3	0	0	0	199	145	0	0	0	0	0	54
481+50	48150.00	50.00	4.78	0.00	2.21	0.00	0.00	0.00	10	0	3	0	0	0	209	149	0	0	0	0	0	60
481+74.69	48174.69	24.69	4.25	0.00	1.90	0.00	0.00	0.00	4	0	2	0	0	0	213	152	0	0	0	0	0	62
481+74.85	48174.85	0.15	13.19	0.00	8.35	0.00	0.00	0.00	0	0	0	0	0	0	213	152	0	0	0	0	0	62
482+00	48200.00	25.15	13.22	0.00	8.73	0.00	0.00	0.00	12	0	8	0	0	0	226	162	0	0	0	0	0	64
482+25	48225.00	25.00	14.27	0.00	8.78	0.00	0.00	0.00	13	0	8	0	0	0	239	172	0	0	0	0	0	67
482+50	48250.00	25.00	12.84	0.00	8.62	0.00	0.00	0.00	13	0	8	0	0	0	251	182	0	0	0	0	0	69
483+00	48300.00	50.00	13.32	0.00	8.96	0.00	0.00	0.00	24	0	16	0	0	0	275	202	0	0	0	0	0	73
483+50	48350.00	50.00	14.50	0.00	4.08	0.00	0.00	0.00	26	0	12	0	0	0	301	217	0	0	0	0	0	84
484+00	48400.00	50.00	14.27	0.00	4.26	0.00	0.00	0.00	27	0	8	0	0	0	328	227	0	0	0	0	0	101
484+25	48425.00	25.00	16.17	0.00	11.24	0.00	0.00	0.00	14	0	7	0	0	0	342	236	0	0	0	0	0	106
484+34.54	48434.54	9.54	16.65	0.00	18.46	0.00	0.00	0.00	6	0	5	0	0	0	348	243	0	0	0	0	0	105
484+50	48450.00	15.46	17.56	0.00	15.96	0.00	0.00	0.00	10	0	10	0	0	0	357	255	0	0	0	0	0	103
484+56.55	48456.55	6.55	18.51	0.00	10.29	0.00	0.00	0.00	4	0	3	0	0	0	362	259	0	0	0	0	0	103
484+81.57	48481.57	25.02	20.82	0.00	10.51	0.00	0.00	0.00	18	0	10	0	0	0	380	271	0	0	0	0	0	109
484+94.08	48494.08	12.51	20.01	0.00	14.69	0.00	0.00	0.00	9	0	6	0	0	0	389	278	0	0	0	0	0	111
485+00	48500.00	5.92	19.73	0.00	17.94	0.00	0.00	0.00	4	0	4	0	0	0	394	283	0	0	0	0	0	111
485+04.09	48504.09	4.09	19.54	0.00	20.66	0.00	0.00	0.00	3	0	3	0	0	0	397	286	0	0	0	0	0	110
485+06.6	48506.60	2.50	19.44	0.00	22.38	0.00	0.00	0.00	2	0	2	0	0	0	399	289	0	0	0	0	0	110
485+29.18	48529.18	22.59	19.24	0.00	15.19	0.00	0.00	0.00	16	0	16	0	0	0	415	308	0	0	0	0	0	106
485+41.55	48541.55	12.37	19.31	0.00	11.90	0.00	0.00	0.00	9	0	6	0	0	0	424	316	0	0	0	0	0	107
485+50	48550.00	8.45	19.47	0.00	10.64	0.00	0.00	0.00	6	0	4	0	0	0	430	321	0	0	0	0	0	109
485+54.19	48554.19	4.19	19.75	0.00	10.05	0.00	0.00	0.00	3	0	2	0	0	0	433	323	0	0	0	0	0	110
486+00	48600.00	45.81	17.13	0.00	1.06	0.00	0.00	0.00	31	0	9	0	0	0	464	334	0	0	0	0	0	130
486+19.07	48619.07	19.07	15.37	0.00	0.47	0.00	0.00	0.00	11	0	1	0	0	0	475	335	0	0	0	0	0	140
486+19.31	48619.31	0.25	4.00	0.00	0.47	0.00	0.00	0.00	0	0	0	0	0	0	476	335	0	0	0	0	0	140
486+25	48625.00	5.69	3.99	0.00	0.45	0.00	0.00	0.00	1	0	0	0	0	0	476	335	0	0	0	0	0	141
486+32.44	48632.44	7.44	5.08	0.00	0.00	0.00	0.00	0.00	1	0	0	0	0	0	478	335	0	0	0	0	0	142
									478	0	268	0	0	0								

GIBRATLAR SCHOOL NORTH DRIVEWAY

			AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)							
STATION	Real Station	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
10+25	1025.00	0.00	27.31	39.81	113.47	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10+36.34	1036.34	11.34	17.36	18.22	2.58	0.00	0.00	0.00	9	12	24	0	0	0	9	30	0	0	0	0	0	-33
10+41.94	1041.94	5.60	38.72	14.61	3.54	0.00	0.00	0.00	6	3	1	0	0	0	15	31	0	0	0	0	0	-32
10+55	1055.00	13.06	42.89	12.64	3.09	0.00	0.00	0.00	20	7	2	0	0	0	35	33	0	0	0	0	0	-20
10+76.39	1076.39	21.39	80.29	0.00	2.70	0.00	0.00	0.00	49	5	2	0	0	0	84	36	0	0	0	0	0	20
									84	27	29	0	0	0								

CURB RETURN - CTH F NORTH

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
19+91.48	1991.48	0.00	12.54	0.00	1.73	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20+00	2000.00	8.52	9.78	0.00	16.63	0.00	0.00	0.00	4	0	3	0	0	0	4	4	0	0	0	0	0	0
20+25	2025.00	25.00	12.79	0.00	66.01	0.00	0.00	0.00	10	0	38	0	0	0	14	51	0	0	0	0	0	-37
20+50	2050.00	25.00	11.38	0.00	68.70	0.00	0.00	0.00	11	0	62	0	0	0	25	129	0	0	0	0	0	-104
20+69.75	2069.75	19.75	5.61	0.74	55.76	0.00	0.00	0.00	6	0	46	0	0	0	31	186	0	0	0	0	0	-155
20+74.87	2074.87	5.12	9.07	0.77	37.60	0.00	0.00	0.00	1	0	9	0	0	0	33	197	0	0	0	0	0	-165
20+89.42	2089.42	14.55	8.74	0.95	24.03	0.00	0.00	0.00	5	0	17	0	0	0	38	218	0	0	0	0	0	-181
									38	1	175	0	0	0								

CURB RETURN - CTH F SOUTH

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
10+00.13	1000.13	0.00	12.23	5.42	1.77	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10+15	1015.00	14.87	10.84	5.95	2.54	0.00	0.00	0.00	6	3	1	0	0	0	6	1	0	0	0	0	0	2
10+23.89	1023.89	8.89	10.09	5.94	5.36	0.00	0.00	0.00	3	2	1	0	0	0	10	3	0	0	0	0	0	2
10+25	1025.00	1.11	10.05	6.02	5.71	0.00	0.00	0.00	0	0	0	0	0	0	10	3	0	0	0	0	0	1
10+50	1050.00	25.00	6.14	2.66	14.39	0.00	0.00	0.00	7	4	9	0	0	0	18	15	0	0	0	0	0	-7
10+75	1075.00	25.00	6.04	2.08	14.62	0.00	0.00	0.00	6	2	13	0	0	0	23	32	0	0	0	0	0	-20
11+00	1100.00	25.00	10.21	1.06	19.75	0.00	0.00	0.00	8	1	16	0	0	0	31	52	0	0	0	0	0	-34
11+25	1125.00	25.00	10.11	1.24	21.70	0.00	0.00	0.00	9	1	19	0	0	0	40	76	0	0	0	0	0	-49
11+32.22	1132.22	7.22	10.98	0.00	5.12	0.00	0.00	0.00	3	0	4	0	0	0	43	80	0	0	0	0	0	-51
									43	14	64	0	0	0								

CURB RETURN - GIBRATLAR RD NORTH

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
00+00	0.00	0.00	10.76	1.60	4.49	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00+15	15.00	15.00	11.93	0.96	3.85	0.00	0.00	0.00	6	1	2	0	0	0	6	3	0	0	0	0	0	3
00+25	25.00	10.00	13.30	1.34	0.80	0.00	0.00	0.00	5	0	1	0	0	0	11	4	0	0	0	0	0	6
00+35	35.00	10.00	13.71	1.29	1.14	0.00	0.00	0.00	5	0	0	0	0	0	16	4	0	0	0	0	0	10
00+50	50.00	15.00	9.30	1.32	9.11	0.00	0.00	0.00	6	1	3	0	0	0	22	8	0	0	0	0	0	12
00+61.51	61.51	11.51	18.83	6.02	14.83	0.00	0.00	0.00	6	2	5	0	0	0	28	14	0	0	0	0	0	10
									28	4	11	0	0	0								

CURB RETURN - GIBRATLAR RD SOUTH

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
00+07.38	7.38	0.00	9.23	4.62	18.50	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00+10	10.00	2.62	9.34	4.76	16.64	0.00	0.00	0.00	1	0	2	0	0	0	1	2	0	0	0	0	0	-2
00+25	25.00	15.00	9.12	4.48	11.85	0.00	0.00	0.00	5	3	8	0	0	0	6	12	0	0	0	0	0	-9
00+40	40.00	15.00	9.44	3.72	13.45	0.00	0.00	0.00	5	2	7	0	0	0	11	21	0	0	0	0	0	-15
00+58.72	58.72	18.72	6.33	2.91	11.40	0.00	0.00	0.00	5	2	9	0	0	0	17	32	0	0	0	0	0	-23
00+70	70.00	11.28	10.35	1.34	5.95	0.00	0.00	0.00	3	1	4	0	0	0	20	36	0	0	0	0	0	-24
00+97.85	97.85	27.85	10.37	1.93	1.02	0.00	0.00	0.00	11	2	4	0	0	0	31	41	0	0	0	0	0	-20
									31	10	32	0	0	0								

GIBRATLAR SCHOOL NORTH PATH

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
00+01.48	1.48	0.00	0.08	0.00	13.09	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00+20	20.00	18.52	0.00	0.00	42.90	0.00	0.00	0.00	0	0	19	0	0	0	0	24	0	0	0	0	0	-24
00+26.97	26.97	6.97	0.00	0.00	44.29	0.00	0.00	0.00	0	0	11	0	0	0	0	38	0	0	0	0	0	-38
00+35	35.00	8.03	0.00	0.00	25.23	0.00	0.00	0.00	0	0	10	0	0	0	0	51	0	0	0	0	0	-51
00+54.67	54.67	19.67	0.00	0.00	6.13	0.00	0.00	0.00	0	0	11	0	0	0	0	65	0	0	0	0	0	-65
00+75	75.00	20.33	2.89	0.00	0.06	0.00	0.00	0.00	1	0	2	0	0	0	1	68	0	0	0	0	0	-67
00+82.29	82.29	7.29	3.09	0.00	0.00	0.00	0.00	0.00	1	0	0	0	0	0	2	68	0	0	0	0	0	-66
									2	0	55	0	0	0								

STH 42 - ORCHARD RD SHOULDER WIDENING

			AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)							
STATION	Real Station	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
425+49.59	42549.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
425+50	42550.00	0.41	0.00	0.00	0.00	0.00	7.11	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
425+75	42575.00	25.00	0.00	0.00	0.00	0.00	16.94	0.00	0	0	0	0	11	0	0	-15	0	12	0	0	0	15
426+00	42600.00	25.00	0.00	0.00	0.00	0.00	8.36	0.00	0	0	0	0	12	0	0	-31	0	25	0	0	0	31
426+25	42625.00	25.00	0.00	0.00	0.00	0.00	5.90	0.00	0	0	0	0	7	0	0	-41	0	32	0	0	0	41
426+31.44	42631.44	6.44	0.00	0.00	0.00	0.00	5.23	0.00	0	0	0	0	1	0	0	-42	0	34	0	0	0	42
426+31.53	42631.53	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	-42	0	34	0	0	0	42
441+53.4	44153.40	1521.87	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	-42	0	34	0	0	0	42
441+54.44	44154.44	1.04	7.11	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	-42	0	34	0	0	0	43
442+00	44200.00	45.56	6.38	0.00	0.00	0.00	0.00	0.00	11	0	0	0	0	0	12	-42	0	34	0	0	0	54
442+50	44250.00	50.00	6.38	0.00	0.00	0.00	0.00	0.00	12	0	0	0	0	0	23	-42	0	34	0	0	0	66
443+00	44300.00	50.00	7.35	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	36	-42	0	34	0	0	0	78
443+50	44350.00	50.00	6.95	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	49	-42	0	34	0	0	0	92
444+00	44400.00	50.00	7.07	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	62	-42	0	34	0	0	0	105
444+50	44450.00	50.00	7.13	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	75	-42	0	34	0	0	0	118
445+00	44500.00	50.00	6.71	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	88	-42	0	34	0	0	0	131
445+39.99	44539.99	39.99	6.17	0.00	0.00	0.00	0.00	0.00	10	0	0	0	0	0	98	-42	0	34	0	0	0	140
445+40.24	44540.24	0.25	10.05	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	98	-42	0	34	0	0	0	140
446+00	44600.00	59.76	13.60	0.00	0.00	0.00	0.00	0.00	26	0	0	0	0	0	124	-42	0	34	0	0	0	166
446+25	44625.00	25.00	12.86	0.00	0.00	0.00	0.00	0.00	12	0	0	0	0	0	136	-42	0	34	0	0	0	179
446+25.08	44625.08	0.08	7.02	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	136	-42	0	34	0	0	0	179
446+50	44650.00	24.92	6.90	0.00	0.00	0.00	0.00	0.00	6	0	0	0	0	0	143	-42	0	34	0	0	0	185
447+00	44700.00	50.00	6.64	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	155	-42	0	34	0	0	0	198
447+55.36	44755.36	55.36	5.60	0.00	0.00	0.00	0.00	0.00	13	0	0	0	0	0	168	-42	0	34	0	0	0	210
447+55.52	44755.52	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	168	-42	0	34	0	0	0	210
447+88.54	44788.54	33.02	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	168	-42	0	34	0	0	0	210
447+88.68	44788.68	0.14	6.48	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	168	-42	0	34	0	0	0	210
448+06.07	44806.07	17.39	6.44	0.00	0.00	0.00	0.00	0.00	4	0	0	0	0	0	172	-42	0	34	0	0	0	214
448+06.5	44806.50	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	172	-42	0	34	0	0	0	214
448+60.04	44860.04	53.54	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	172	-42	0	34	0	0	0	214
448+60.4	44860.40	0.37	6.16	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	172	-42	0	34	0	0	0	215
449+00	44900.00	39.60	6.25	0.00	0.00	0.00	0.00	0.00	9	0	0	0	0	0	181	-42	0	34	0	0	0	224
449+50	44950.00	50.00	6.55	0.00	0.00	0.00	0.00	0.00	12	0	0	0	0	0	193	-42	0	34	0	0	0	235
450+00	45000.00	50.00	5.20	0.00	0.00	0.00	0.00	0.00	11	0	0	0	0	0	204	-42	0	34	0	0	0	246
450+32.83	45032.83	32.83	6.49	0.00	12.99	0.00	0.00	0.00	7	0	8	0	0	0	211	-33	0	34	0	0	0	244
450+40.04	45040.04	7.20	8.36	0.00	0.00	0.00	0.00	0.00	2	0	2	0	0	0	213	-30	0	34	0	0	0	243
450+40.28	45040.28	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	213	-30	0	34	0	0	0	243
450+72.35	45072.35	32.07	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	213	-30	0	34	0	0	0	243
450+72.61	45072.61	0.26	7.29	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	213	-30	0	34	0	0	0	243
451+00	45100.00	27.39	6.77	0.00	0.00	0.00	0.00	0.00	7	0	0	0	0	0	220	-30	0	34	0	0	0	251
451+50	45150.00	50.00	5.13	0.00	0.16	0.00	0.00	0.00	11	0	0	0	0	0	231	-30	0	34	0	0	0	261
452+00	45200.00	50.00	4.72	0.00	0.13	0.00	0.00	0.00	9	0	0	0	0	0	240	-30	0	34	0	0	0	270
452+50	45250.00	50.00	3.49	0.00	8.34	0.00	0.00	0.00	8	0	8	0	0	0	248	-20	0	34	0	0	0	268
453+00	45300.00	50.00	3.14	0.00	6.36	0.00	0.00	0.00	6	0	14	0	0	0	254	-3	0	34	0	0	0	257
453+50	45350.00	50.00	2.97	0.00	2.27	0.00	0.00	0.00	6	0	8	0	0	0	260	7	0	34	0	0	0	253
454+13.42	45413.42	63.42	5.48	0.00	0.00	0.00	0.00	0.00	10	0	3	0	0	0	270	10	0	34	0	0	0	259
454+13.64	45413.64	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	270	10	0	34	0	0	0	259
455+14.7	45514.70	101.06	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	270	10	0	34	0	0	0	259
455+63.18	45563.18	48.48	5.56	0.00	0.00	0.00	0.00	0.00	5	0	0	0	0	0	275	10	0	34	0	0	0	264
455+63.71	45563.71	0.53	10.36	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	275	10	0	34	0	0	0	265
455+73.94	45573.94	10.22	10.48	0.00	0.28	0.00	0.00	0.00	4	0	0	0	0	0	279	10	0	34	0	0	0	268
456+00	45600.00	26.06	9.60	0.00	1.58	0.00	0.00	0.00	10	0	1	0	0	0	289	11	0	34	0	0	0	277
456+29.61	45629.61	29.61	9.88	0.00	3.71	0.00	0.00	0.00	11	0	3	0	0	0	299	15	0	34	0	0	0	284
456+50	45650.00	20.39	8.03	0.00	5.10	0.00	0.00	0.00	7	0	3	0	0	0	306	19	0	34	0	0	0	287
456+63.14	45663.14	13.14	4.50	0.00	5.74	0.00	0.00	0.00	3	0	3	0	0	0	309	23	0	34	0	0	0	286
456+85.27	45685.27	22.13	4.08	0.00	7.14	0.00	0.00	0.00	4	0	5	0	0	0	313	29	0	34	0	0	0	283
457+00	45700.00	14.73	4.43	0.00	6.44	0.00	0.00	0.00	2	0	4	0	0	0	315	34	0	34	0	0	0	281
457+50	45750.00	50.00	4.36	0.00	4.51	0.00	0.00	0.00	8	0	10	0	0	0	323	46	0	34	0	0	0	277
458+00	45800.00	50.00	3.98	0.00	6.37	0.00	0.00	0.00	8	0	10	0	0	0	331	59	0	34	0	0	0	272
458+50	45850.00	50.00	3.99	0.00	5.58	0.00	0.00	0.00	7	0	11	0	0	0	338	73	0	34	0	0	0	265
459+00	45900.00	50.00	4.25	0.00	1.02	0.00	0.00	0.00	8	0	6	0	0	0	346	81	0	34	0	0	0	265
459+19.96	45919.96	19.96	0.00	0.00	0.00	0.00	0.00	0.00	2	0	0	0	0	0	347	81	0	34	0	0	0	266
									347	0	99	0	31	0								

SHORE ROAD

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
10+20	1020.00	0.00	12.06	3.83	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10+30	1030.00	10.00	48.95	12.27	0.00	0.00	0.00	0.00	11	3	0	0	0	0	11	0	0	0	0	0	0	8
10+40	1040.00	10.00	39.65	14.29	0.00	0.00	0.00	0.00	16	5	0	0	0	0	28	0	0	0	0	0	0	20
10+50	1050.00	10.00	62.38	13.94	0.00	0.00	0.00	0.00	19	5	0	0	0	0	47	0	0	0	0	0	0	33
11+00	1100.00	50.00	37.96	2.13	0.00	0.00	0.00	0.00	93	15	0	0	0	0	140	0	0	0	0	0	0	112
11+50	1150.00	50.00	38.61	2.24	0.00	0.00	0.00	0.00	71	4	0	0	0	0	210	0	0	0	0	0	0	178
12+00	1200.00	50.00	34.47	2.36	0.22	0.00	0.00	0.00	68	4	0	0	0	0	278	0	0	0	0	0	0	242
12+33.25	1233.25	33.25	38.40	2.43	0.00	0.00	0.00	0.00	45	3	0	0	0	0	323	0	0	0	0	0	0	283
12+50	1250.00	16.75	27.43	2.47	1.07	0.00	0.00	0.00	20	2	0	0	0	0	343	1	0	0	0	0	0	302
12+83.26	1283.26	33.26	16.85	2.54	0.78	0.00	0.00	0.00	27	3	1	0	0	0	371	2	0	0	0	0	0	325
13+00	1300.00	16.74	16.05	2.59	1.07	0.00	0.00	0.00	10	2	1	0	0	0	381	3	0	0	0	0	0	332
13+39.65	1339.65	39.65	12.35	2.71	5.20	0.00	0.00	0.00	21	4	5	0	0	0	402	9	0	0	0	0	0	344
13+62.83	1362.83	23.18	10.08	1.21	3.71	0.00	0.00	0.00	10	2	4	0	0	0	411	14	0	0	0	0	0	347
13+92.01	1392.01	29.18	9.17	1.52	8.78	0.00	0.00	0.00	10	1	7	0	0	0	422	22	0	0	0	0	0	347
14+50	1450.00	57.99	8.92	1.21	12.12	0.00	0.00	0.00	19	3	22	0	0	0	441	50	0	0	0	0	0	336
14+64.99	1464.99	14.99	9.30	1.46	13.00	0.00	0.00	0.00	5	1	7	0	0	0	446	59	0	0	0	0	0	331
15+12	1512.00	47.01	10.36	2.07	7.36	0.00	0.00	0.00	17	3	18	0	0	0	463	81	0	0	0	0	0	323
									463	59	65	0	0	0								

STH 42 - GIBRALTAR

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
97+30			---	---	---	---	---	---	5	2	5	0	0	0	5	6	0	0	0	0	0	-3
99+69			---	---	---	---	---	---	5	1	0	0	0	0	10	0	0	0	0	0	0	1
99+70			---	---	---	---	---	---	3	1	0	0	0	0	13	0	0	0	0	0	0	3
49+69'M'			---	---	---	---	---	---	34	10	0	0	0	0	47	0	0	0	0	0	0	27
100+26			---	---	---	---	---	---	5	1	0	0	0	0	52	0	0	0	0	0	0	31
100+65			---	---	---	---	---	---	1	0	0	0	0	0	53	0	0	0	0	0	0	32
103+21			---	---	---	---	---	---	6	1	0	0	0	0	59	0	0	0	0	0	0	37
103+26			---	---	---	---	---	---	2	0	0	0	0	0	61	0	0	0	0	0	0	39
106+36			---	---	---	---	---	---	2	0	0	0	0	0	63	0	0	0	0	0	0	41
107+91			---	---	---	---	---	---	4	1	0	0	0	0	67	0	0	0	0	0	0	44
107+91			---	---	---	---	---	---	1	0	0	0	0	0	68	0	0	0	0	0	0	45
112+63			---	---	---	---	---	---	2	0	0	0	0	0	70	0	0	0	0	0	0	47
112+71			---	---	---	---	---	---	3	1	0	0	0	0	73	0	0	0	0	0	0	49
117+50			---	---	---	---	---	---	2	0	0	0	0	0	75	0	0	0	0	0	0	51
114+54			---	---	---	---	---	---	2	0	0	0	0	0	77	0	0	0	0	0	0	53
118+74			---	---	---	---	---	---	10	2	0	0	0	0	87	0	0	0	0	0	0	61
121+44			---	---	---	---	---	---	15	3	0	0	0	0	102	0	0	0	0	0	0	73
123+00			---	---	---	---	---	---	15	3	0	0	0	0	117	0	0	0	0	0	0	85
123+00			---	---	---	---	---	---	7	2	0	0	0	0	124	0	0	0	0	0	0	90
119 - 124			---	---	---	---	---	---	263	90	0	0	0	0	387	0	0	0	0	0	0	263
126+28			---	---	---	---	---	---	11	2	0	0	0	0	398	0	0	0	0	0	0	272
126+31			---	---	---	---	---	---	2	0	0	0	0	0	400	0	0	0	0	0	0	274
127+00			---	---	---	---	---	---	2	0	0	0	0	0	402	0	0	0	0	0	0	276
126+92			---	---	---	---	---	---	4	1	0	0	0	0	406	0	0	0	0	0	0	279
129+26			---	---	---	---	---	---	1	0	0	0	0	0	407	0	0	0	0	0	0	280
129+87			---	---	---	---	---	---	4	1	0	0	0	0	411	0	0	0	0	0	0	283
130+57			---	---	---	---	---	---	2	0	0	0	0	0	413	0	0	0	0	0	0	285
130+59			---	---	---	---	---	---	1	0	0	0	0	0	414	0	0	0	0	0	0	286
131+35			---	---	---	---	---	---	1	0	0	0	0	0	415	0	0	0	0	0	0	287
132+13			---	---	---	---	---	---	1	0	0	0	0	0	416	0	0	0	0	0	0	288
132+13			---	---	---	---	---	---	1	0	0	0	0	0	416	0	0	0	0	0	0	289
133+57			---	---	---	---	---	---	1	0	0	0	0	0	417	0	0	0	0	0	0	290
133+71			---	---	---	---	---	---	3	0	0	0	0	0	420	0	0	0	0	0	0	293
108+71.37	10871.37	204.56	19.77	0.00	0.00	0.00	0.00	0.00	75	0	0	0	0	0	495	0	0	0	0	0	0	368
108+71.5	10871.50	0.13	20.59	3.89	1.89	0.00	0.00	0.00	0	0	0	0	0	0	495	0	0	0	0	0	0	368
108+86.54	10886.54	15.04	17.51	4.72	4.56	0.00	0.00	0.00	11	2	2	0	0	0	506	2	0	0	0	0	0	374
109+00	10900.00	13.46	22.19	16.45	2.72	0.00	0.00	0.00	10	5	2	0	0	0	515	5	0	0	0	0	0	376
109+14	10914.00	14.00	21.21	16.47	2.80	0.00	0.00	0.00	11	9	1	0	0	0	527	6	0	0	0	0	0	377
109+40.86	10940.86	26.86	46.05	15.64	3.51	0.00	0.00	0.00	33	16	3	0	0	0	560	10	0	0	0	0	0	391
109+42.04	10942.04	1.18	17.95	6.37	3.65	0.00	0.00	0.00	1	0	0	0	0	0	562	10	0	0	0	0	0	391
109+50	10950.00	7.96	18.62	3.93	0.69	0.00	0.00	0.00	5	2	1	0	0	0	567	11	0	0	0	0	0	394
109+81.21	10981.21	31.21	19.94	3.89	0.16	0.00	0.00	0.00	22	5	0	0	0	0	589	12	0	0	0	0	0	411
109+81.55	10981.55	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	589	12	0	0	0	0	0	412
125+27.41	12527.41	1545.87	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	589	12	0	0	0	0	0	412
125+27.5	12527.50	0.09	0.00	1.37	0.00	0.00	0.00	0.00	0	0	0	0	0	0	589	12	0	0	0	0	0	412
125+50	12550.00	22.50	9.66	1.34	0.00	0.00	0.00	0.00	4	1	0	0	0	0	593	12	0	0	0	0	0	414
126+00	12600.00	50.00	8.81	1.28	0.00	0.00	0.00	0.00	17	2	0	0	0	0	611	12	0	0	0	0	0	429
126+42.89	12642.89	42.89	27.22	4.25	0.00	0.00	0.00	0.00	29	4	0	0	0	0	639	12	0	0	0	0	0	453
126+50	12650.00	7.11	16.56	5.08	0.00	0.00	0.00	0.00	6	1	0	0	0	0	645	12	0	0	0	0	0	458
126+60	12660.00	10.00	3.83	1.29	0.00	0.00	0.00	0.00	4	1	0	0	0	0	649	12	0	0	0	0	0	460

Continued

STH 42 - GIBRALTAR

STATION	Real Station	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)							
			Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
126+70	12670.00	10.00	5.58	1.81	0.00	0.00	0.00	0.00	2	1	0	0	0	0	650	12	0	0	0	0	0	462
126+80	12680.00	10.00	30.56	9.26	0.00	0.00	0.00	0.00	7	2	0	0	0	0	657	12	0	0	0	0	0	466
126+90	12690.00	10.00	55.88	18.24	0.00	0.00	0.00	0.00	16	5	0	0	0	0	673	12	0	0	0	0	0	477
126+94.97	12694.97	4.97	55.88	18.10	0.00	0.00	0.00	0.00	10	3	0	0	0	0	683	12	0	0	0	0	0	484
126+99.87	12699.87	4.90	35.97	12.10	0.00	0.00	0.00	0.00	8	3	0	0	0	0	692	12	0	0	0	0	0	490
127+05	12705.00	5.13	23.46	7.30	0.00	0.00	0.00	0.00	6	2	0	0	0	0	697	12	0	0	0	0	0	494
127+12.7	12712.70	7.70	21.19	6.25	0.00	0.00	0.00	0.00	6	2	0	0	0	0	704	12	0	0	0	0	0	498
127+13.3	12713.30	0.60	20.95	6.17	0.00	0.00	0.00	0.00	0	0	0	0	0	0	704	12	0	0	0	0	0	498
127+25	12725.00	11.70	20.03	5.97	0.00	0.00	0.00	0.00	9	3	0	0	0	0	713	12	0	0	0	0	0	505
127+50	12750.00	25.00	20.61	5.99	0.00	0.00	0.00	0.00	19	6	0	0	0	0	732	12	0	0	0	0	0	518
127+75	12775.00	25.00	20.95	6.02	0.00	0.00	0.00	0.00	19	6	0	0	0	0	751	12	0	0	0	0	0	532
128+00	12800.00	25.00	20.79	6.05	0.00	0.00	0.00	0.00	19	6	0	0	0	0	770	12	0	0	0	0	0	545
128+25	12825.00	25.00	20.84	6.08	0.00	0.00	0.00	0.00	19	6	0	0	0	0	790	12	0	0	0	0	0	559
128+50	12850.00	25.00	20.70	6.10	0.00	0.00	0.00	0.00	19	6	0	0	0	0	809	12	0	0	0	0	0	573
128+75	12875.00	25.00	20.65	6.13	0.00	0.00	0.00	0.00	19	6	0	0	0	0	828	12	0	0	0	0	0	586
129+00	12900.00	25.00	20.47	6.16	0.00	0.00	0.00	0.00	19	6	0	0	0	0	847	12	0	0	0	0	0	599
129+20.44	12920.44	20.44	20.44	6.18	0.00	0.00	0.00	0.00	15	5	0	0	0	0	863	12	0	0	0	0	0	610
129+25	12925.00	4.56	20.93	7.73	0.00	0.00	0.00	0.00	3	1	0	0	0	0	866	12	0	0	0	0	0	612
129+50	12950.00	25.00	44.44	16.20	0.00	0.00	0.00	0.00	30	11	0	0	0	0	896	12	0	0	0	0	0	632
129+56.56	12956.56	6.56	51.85	18.42	0.00	0.00	0.00	0.00	12	4	0	0	0	0	908	12	0	0	0	0	0	639
129+75	12975.00	18.44	51.69	18.41	0.00	0.00	0.00	0.00	35	13	0	0	0	0	943	12	0	0	0	0	0	662
129+79.76	12979.76	4.76	51.46	18.40	0.00	0.00	0.00	0.00	9	3	0	0	0	0	953	12	0	0	0	0	0	668
129+79.98	12979.98	0.21	24.78	7.51	0.00	0.00	0.00	0.00	0	0	0	0	0	0	953	12	0	0	0	0	0	668
130+00	13000.00	20.02	24.65	7.50	0.00	0.00	0.00	0.00	18	6	0	0	0	0	971	12	0	0	0	0	0	681
130+19	13019.00	19.00	20.16	6.11	0.00	0.00	0.00	0.00	16	5	0	0	0	0	987	12	0	0	0	0	0	692
130+19.17	13019.17	0.17	20.15	6.11	0.00	0.00	0.00	0.00	0	0	0	0	0	0	987	12	0	0	0	0	0	692
130+25	13025.00	5.83	20.12	6.11	0.00	0.00	0.00	0.00	4	1	0	0	0	0	991	12	0	0	0	0	0	695
130+50	13050.00	25.00	20.07	6.09	0.00	0.00	0.00	0.00	19	6	0	0	0	0	1,010	12	0	0	0	0	0	708
130+75	13075.00	25.00	19.66	5.94	0.00	0.00	0.00	0.00	18	6	0	0	0	0	1,028	12	0	0	0	0	0	721
131+00	13100.00	25.00	18.12	5.49	0.00	0.00	0.00	0.00	17	5	0	0	0	0	1,046	12	0	0	0	0	0	733
131+20.52	13120.52	20.52	17.07	5.12	0.00	0.00	0.00	0.00	13	4	0	0	0	0	1,059	12	0	0	0	0	0	742
131+25	13125.00	4.48	27.99	11.36	0.00	0.00	0.00	0.00	4	1	0	0	0	0	1,063	12	0	0	0	0	0	745
131+28.37	13128.37	3.37	45.96	16.78	0.00	0.00	0.00	0.00	5	2	0	0	0	0	1,068	12	0	0	0	0	0	747
131+35.72	13135.72	7.35	47.01	16.65	0.00	0.00	0.00	0.00	13	5	0	0	0	0	1,080	12	0	0	0	0	0	756
131+42.77	13142.77	7.05	16.42	5.09	0.00	0.00	0.00	0.00	8	3	0	0	0	0	1,089	12	0	0	0	0	0	761
131+42.92	13142.92	0.15	16.42	5.09	0.00	0.00	0.00	0.00	0	0	0	0	0	0	1,089	12	0	0	0	0	0	761
131+50	13150.00	7.08	16.47	5.20	0.00	0.00	0.00	0.00	4	1	0	0	0	0	1,093	12	0	0	0	0	0	764
131+75	13175.00	25.00	17.66	5.60	0.00	0.00	0.00	0.00	16	5	0	0	0	0	1,109	12	0	0	0	0	0	775
132+00	13200.00	25.00	19.89	5.99	0.00	0.00	0.00	0.00	17	5	0	0	0	0	1,126	12	0	0	0	0	0	787
132+00.85	13200.85	0.85	19.98	6.01	0.00	0.00	0.00	0.00	1	0	0	0	0	0	1,127	12	0	0	0	0	0	787
132+05.11	13205.11	4.26	59.16	18.32	0.00	0.00	0.00	0.00	6	2	0	0	0	0	1,133	12	0	0	0	0	0	792
132+06.75	13206.75	1.64	61.69	18.39	0.00	0.00	0.00	0.00	4	1	0	0	0	0	1,137	12	0	0	0	0	0	794
132+20.17	13220.17	13.42	61.81	18.40	0.00	0.00	0.00	0.00	31	9	0	0	0	0	1,167	12	0	0	0	0	0	816
132+20.91	13220.91	0.74	31.70	9.43	0.00	0.00	0.00	0.00	1	0	0	0	0	0	1,169	12	0	0	0	0	0	817
132+25	13225.00	4.09	31.44	9.35	0.00	0.00	0.00	0.00	5	1	0	0	0	0	1,173	12	0	0	0	0	0	820
132+50	13250.00	25.00	28.95	8.84	0.00	0.00	0.00	0.00	28	8	0	0	0	0	1,201	12	0	0	0	0	0	839
132+75	13275.00	25.00	27.01	8.35	0.00	0.00	0.00	0.00	26	8	0	0	0	0	1,227	12	0	0	0	0	0	857
133+00	13300.00	25.00	27.10	7.97	0.00	0.00	0.00	0.00	25	8	0	0	0	0	1,252	12	0	0	0	0	0	875
133+25	13325.00	25.00	28.74	8.50	0.00	0.00	0.00	0.00	26	8	0	0	0	0	1,278	12	0	0	0	0	0	893
133+50	13350.00	25.00	30.70	9.04	0.00	0.00	0.00	0.00	28	8	0	0	0	0	1,306	12	0	0	0	0	0	913
133+53.86	13353.86	3.86	61.76	18.31	0.00	0.00	0.00	0.00	7	2	0	0	0	0	1,312	12	0	0	0	0	0	917
133+54.2	13354.20	0.34	61.81	18.32	0.00	0.00	0.00	0.00	1	0	0	0	0	0	1,313	12	0	0	0	0	0	918
133+63.9	13363.90	9.70	61.18	18.46	0.00	0.00	0.00	0.00	22	7	0	0	0	0	1,335	12	0	0	0	0	0	933
133+65.1	13365.10	1.20	30.89	9.34	0.00	0.00	0.00	0.00	2	1	0	0	0	0	1,337	12	0	0	0	0	0	935
133+75	13375.00	9.90	30.68	9.31	0.00	0.00	0.00	0.00	11	3	0	0	0	0	1,349	12	0	0	0	0	0	943
133+85.96	13385.96	10.96	30.51	9.29	0.00	0.00	0.00	0.00	12	4	0	0	0	0	1,361	12	0	0	0	0	0	951
133+86.97	13386.97	1.01	30.50	9.28	0.00	0.00	0.00	0.00	1	0	0	0	0	0	1,362	12	0	0	0	0	0	952
134+00	13400.00	13.03	30.44	9.25	0.00	0.00	0.00	0.00	15	4	0	0	0	0	1,377	12	0	0	0	0	0	962
134+25	13425.00	25.00	30.80	9.19	0.00	0.00	0.00	0.00	28	9	0	0	0	0	1,405	12	0	0	0	0	0	982
134+35	13435.00	10.00	46.38	9.19	0.06	0.00	0.00	0.00	14	3	0	0	0	0	1,419	12	0	0	0	0	0	993
134+39.99	13439.99	4.99	39.97	9.12	0.07	0.00	0.00	0.00	8	2	0	0	0	0	1,427	12	0	0	0	0	0	999
134+44.41	13444.41	4.43	38.66	9.05	0.12	0.00	0.00	0.00	6	1	0	0	0	0	1,434	12	0	0	0	0	0	1,004
134+60	13460.00	15.59	48.28	10.53	2.92	0.00	0.00	0.00	25	6	1	0	0	0	1,459	13	0	0	0	0	0	1,022
134+64.77	13464.77	4.77	41.25	10.52	6.11	0.00	0.00	0.00	8	2	1	0	0	0	1,467	14	0	0	0	0	0	1,027
134+73.84	13473.84	9.06	43.17	10.51	0.97	0.00	0.00	0.00	14	4	1	0	0	0	1,481	15	0	0	0	0	0	1,037
134+82.35	13482.35	8.51	48.79	10.49	0.00	0.00	0.00	0.00	14	3	0	0	0	0	1,496	16	0	0	0	0	0	1,048
134+85	13485.00	2.65	43.13	10.49	2.91	0.00	0.00	0.00	5	1	0	0	0	0	1,500	16	0	0	0	0	0	1,051
134+91	13491.00	6.00	42.22	10.48	13.81	0.00	0.00	0.00	9	2	2	0	0	0	1,510	18	0	0	0	0	0	1,056
134+91.26	13491.26	0.26	42.17	10.48	9.81	0.00	0.00	0.00	0	0	0	0	0	0	1,510	18	0	0	0	0	0	1,056
135+00	13500.00	8.74	44.88	10.49	0.32	0.00	0.00	0.00	14	3	2	0	0	0	1,524	20	0	0	0	0	0	1,065
135+05.95	13505.95	5.95	41.32	7.38	0.32	0.00	0.00	0.00	9	2	0	0	0	0	1,534	20	0	0	0	0	0	1,072
135+10.94	13510.94	4.99	37.60	7.74	1.70	0.00	0.00	0.00	7	1	0	0	0	0	1,541	21	0	0	0	0	0	1,078
135+14.9	13514.90	3.96	38.13	7.79	2.39	0.00	0.00	0.00	6	1	0	0	0	0	1,546	21	0	0	0	0	0	1,082
135+16.5	13516.50	1.60	37.97	13.22	2.83	0.00	0.00	0.00	2	1	0	0	0	0	1,549	21	0	0	0	0	0	1,083
135+25	13525.00	8.50	37.49	15.54	4.84	0.00	0.00	0.00	12	5	1	0	0	0	1,561	23	0	0	0	0	0	1,089
135+27.62	13527.62	2.62	35.46	7.91	5.42	0.00	0.00	0.00	4	1	0	0	0	0	1,564	23	0	0	0	0	0	1,091
135+50	13550.00	22.38	43.78	8.35	8.55	0.00	0.00	0.00	33	7	6	0	0	0	1,597	31	0	0	0	0	0	1,110
135+61.09	13561.09	11.09	48.26	8.76	10.07	0.00	0.00	0.00	19	4	4	0	0	0	1,616	35	0	0	0	0	0	1,120
135+61.26	13561.26	0.17	46.66	8.76	3.10	0.00	0.00	0.00	0	0	0	0	0	0	1,616	35	0	0	0	0	0	1,120
135+75.15	13575.15	13.88	49.04	9.28	0.21	0.00	0.00	0.00	25	5	1	0	0	0	1,641	37	0	0	0	0	0	1,139

Continued

STH 42 - GIBRALTAR

STATION	Real Station	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)							
			Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
136+00	13600.00	24.85	46.93	10.24	0.19	0.00	0.00	0.00	44	9	0	0	0	0	1,685	37	0	0	0	0	0	1,174
136+20	13620.00	20.00	45.70	11.07	0.26	0.00	0.00	0.00	34	8	0	0	0	0	1,719	37	0	0	0	0	0	1,201
136+38.1	13638.10	18.10	34.78	11.92	0.35	0.00	0.00	0.00	27	8	0	0	0	0	1,746	37	0	0	0	0	0	1,220
136+38.27	13638.27	0.17	34.60	8.70	0.35	0.00	0.00	0.00	0	0	0	0	0	0	1,746	37	0	0	0	0	0	1,220
136+50	13650.00	11.73	33.47	8.62	0.37	0.00	0.00	0.00	15	4	0	0	0	0	1,761	37	0	0	0	0	0	1,231
136+81.97	13681.97	31.97	30.91	7.44	27.21	0.00	0.00	0.00	38	10	16	0	0	0	1,799	58	0	0	0	0	0	1,239
136+82	13682.00	0.03	30.92	7.44	39.13	0.00	0.00	0.00	0	0	0	0	0	0	1,799	58	0	0	0	0	0	1,239
136+83.3	13683.30	1.30	37.27	11.05	24.03	0.00	0.00	0.00	2	0	2	0	0	0	1,801	60	0	0	0	0	0	1,238
136+88.1	13688.10	4.80	40.59	10.93	0.95	0.00	0.00	0.00	7	2	2	0	0	0	1,808	63	0	0	0	0	0	1,240
136+90.83	13690.83	2.73	42.43	10.86	0.42	0.00	0.00	0.00	4	1	0	0	0	0	1,812	63	0	0	0	0	0	1,243
136+91.72	13691.72	0.89	50.15	10.84	0.13	0.00	0.00	0.00	2	0	0	0	0	0	1,814	63	0	0	0	0	0	1,244
137+00	13700.00	8.28	53.69	10.64	0.11	0.00	0.00	0.00	16	3	0	0	0	0	1,830	63	0	0	0	0	0	1,257
137+22.71	13722.71	22.71	58.49	10.10	0.06	0.00	0.00	0.00	47	9	0	0	0	0	1,877	63	0	0	0	0	0	1,295
137+23.39	13723.39	0.68	49.15	10.09	0.92	0.00	0.00	0.00	1	0	0	0	0	0	1,878	63	0	0	0	0	0	1,296
137+34.04	13734.04	10.65	51.35	9.83	0.02	0.00	0.00	0.00	20	4	0	0	0	0	1,898	63	0	0	0	0	0	1,312
137+40	13740.00	5.96	51.73	9.69	0.07	0.00	0.00	0.00	11	2	0	0	0	0	1,909	63	0	0	0	0	0	1,321
137+40.69	13740.69	0.69	56.64	9.67	0.00	0.00	0.00	0.00	1	0	0	0	0	0	1,911	63	0	0	0	0	0	1,322
137+50	13750.00	9.31	56.94	9.41	1.06	0.00	0.00	0.00	20	3	0	0	0	0	1,930	63	0	0	0	0	0	1,338
137+52.92	13752.92	2.92	57.29	9.33	2.69	0.00	0.00	0.00	6	1	0	0	0	0	1,936	64	0	0	0	0	0	1,343
137+52.99	13752.99	0.07	57.35	9.33	9.90	0.00	0.00	0.00	0	0	0	0	0	0	1,937	64	0	0	0	0	0	1,343
137+70	13770.00	17.01	59.76	8.83	1.02	0.00	0.00	0.00	37	6	3	0	0	0	1,973	68	0	0	0	0	0	1,370
137+75.69	13775.69	5.69	58.04	8.67	0.11	0.00	0.00	0.00	12	2	0	0	0	0	1,986	68	0	0	0	0	0	1,381
137+76.19	13776.19	0.50	54.56	8.66	0.01	0.00	0.00	0.00	1	0	0	0	0	0	1,987	68	0	0	0	0	0	1,382
137+80	13780.00	3.81	64.69	8.55	0.13	0.00	0.00	0.00	8	1	0	0	0	0	1,995	68	0	0	0	0	0	1,389
137+90	13790.00	10.00	56.32	8.45	0.02	0.00	0.00	0.00	22	3	0	0	0	0	2,018	68	0	0	0	0	0	1,408
137+96.56	13796.56	6.56	61.05	8.44	0.07	0.00	0.00	0.00	14	2	0	0	0	0	2,032	68	0	0	0	0	0	1,420
138+00	13800.00	3.44	49.71	8.44	0.07	0.00	0.00	0.00	7	1	0	0	0	0	2,039	68	0	0	0	0	0	1,426
138+01.75	13801.75	1.75	49.37	8.44	0.05	0.00	0.00	0.00	3	1	0	0	0	0	2,042	68	0	0	0	0	0	1,429
138+02	13802.00	0.25	70.05	14.94	0.05	0.00	0.00	0.00	1	0	0	0	0	0	2,043	68	0	0	0	0	0	1,429
138+20	13820.00	18.00	67.64	14.95	0.00	0.00	0.00	0.00	46	10	0	0	0	0	2,089	68	0	0	0	0	0	1,465
138+25	13825.00	5.00	67.09	14.96	0.00	0.00	0.00	0.00	12	3	0	0	0	0	2,101	68	0	0	0	0	0	1,475
138+38.7	13838.70	13.70	61.92	14.97	0.02	0.00	0.00	0.00	33	8	0	0	0	0	2,134	68	0	0	0	0	0	1,500
138+41	13841.00	2.30	59.10	14.97	0.13	0.00	0.00	0.00	5	1	0	0	0	0	2,139	68	0	0	0	0	0	1,504
138+44.71	13844.71	3.71	58.91	14.98	0.72	0.00	0.00	0.00	8	2	0	0	0	0	2,147	68	0	0	0	0	0	1,510
138+45.13	13845.13	0.43	69.41	14.98	0.95	0.00	0.00	0.00	1	0	0	0	0	0	2,148	68	0	0	0	0	0	1,511
138+50	13850.00	4.87	67.76	14.98	5.05	0.00	0.00	0.00	12	3	1	0	0	0	2,161	69	0	0	0	0	0	1,520
138+63.96	13863.96	13.96	62.02	15.01	10.58	0.00	0.00	0.00	34	8	4	0	0	0	2,194	74	0	0	0	0	0	1,540
138+64.15	13864.15	0.18	53.07	15.01	10.87	0.00	0.00	0.00	0	0	0	0	0	0	2,195	74	0	0	0	0	0	1,541
138+70	13870.00	5.85	51.31	15.02	11.26	0.00	0.00	0.00	11	3	2	0	0	0	2,206	77	0	0	0	0	0	1,546
138+75	13875.00	5.00	49.89	15.02	10.61	0.00	0.00	0.00	9	3	2	0	0	0	2,215	80	0	0	0	0	0	1,550
138+82	13882.00	7.00	41.72	15.03	14.62	0.00	0.00	0.00	12	4	3	0	0	0	2,227	84	0	0	0	0	0	1,554
138+82.11	13882.11	0.11	32.49	8.53	14.72	0.00	0.00	0.00	0	0	0	0	0	0	2,227	84	0	0	0	0	0	1,554
138+86.6	13886.60	4.49	32.29	8.53	17.47	0.00	0.00	0.00	5	1	3	0	0	0	2,233	87	0	0	0	0	0	1,554
138+90	13890.00	3.40	32.31	8.53	16.12	0.00	0.00	0.00	4	1	2	0	0	0	2,237	90	0	0	0	0	0	1,555
139+00	13900.00	10.00	32.65	8.54	13.35	0.00	0.00	0.00	12	3	5	0	0	0	2,249	97	0	0	0	0	0	1,557
139+40	13940.00	40.00	35.52	8.58	6.08	0.00	0.03	0.00	50	13	14	0	0	0	2,299	114	0	0	0	0	0	1,577
139+80	13980.00	40.00	37.32	8.63	4.58	0.00	2.29	0.00	54	13	8	0	2	0	2,353	122	0	2	0	0	0	1,610
140+00	14000.00	20.00	36.33	8.66	3.41	0.00	4.92	0.00	27	6	3	0	3	0	2,380	122	0	5	0	0	0	1,631
140+30	14030.00	30.00	27.92	8.68	4.06	0.00	17.59	0.00	36	10	4	0	13	0	2,416	110	0	19	0	0	0	1,669
140+34.89	14034.89	4.89	33.85	8.68	0.00	0.00	18.62	0.00	6	2	0	0	3	0	2,422	106	0	22	0	0	0	1,677
140+50	14050.00	15.11	0.00	15.17	2.39	0.00	77.81	0.00	9	7	1	0	27	0	2,431	70	0	52	0	0	0	1,716
140+77.16	14077.16	27.16	28.15	8.65	1.18	0.00	29.12	0.00	14	12	2	0	54	0	2,445	-2	0	111	0	0	0	1,790
140+90	14090.00	12.84	28.78	8.65	0.74	0.00	31.89	0.00	14	4	0	0	15	0	2,459	-21	0	127	0	0	0	1,819
141+00	14100.00	10.00	29.51	8.69	0.57	0.00	30.21	0.00	11	3	0	0	12	0	2,470	-37	0	140	0	0	0	1,842
141+02.93	14102.93	2.93	29.64	8.70	0.67	0.00	29.62	0.00	3	1	0	0	3	0	2,473	-41	0	143	0	0	0	1,849
141+30	14130.00	27.07	27.65	8.84	2.64	0.00	23.12	0.00	29	9	2	0	26	0	2,502	-76	0	172	0	0	0	1,903
141+40	14140.00	10.00	39.66	8.87	3.19	0.00	0.00	0.00	12	3	1	0	4	0	2,514	-80	0	177	0	0	0	1,917
141+45	14145.00	5.00	36.10	8.88	4.40	0.00	0.00	0.00	7	2	1	0	0	0	2,521	-79	0	177	0	0	0	1,921
141+50	14150.00	5.00	36.44	8.89	5.30	0.00	0.00	0.00	7	2	1	0	0	0	2,528	-78	0	177	0	0	0	1,925
141+69.96	14169.96	19.96	35.54	8.92	9.04	0.00	0.00	0.00	27	7	5	0	0	0	2,554	-71	0	177	0	0	0	1,938
141+75.6	14175.60	5.64	34.41	8.90	9.40	0.00	0.00	0.00	7	2	2	0	0	0	2,562	-69	0	177	0	0	0	1,941
141+80	14180.00	4.40	34.35	8.89	8.72	0.00	0.00	0.00	6	1	1	0	0	0	2,567	-67	0	177	0	0	0	1,944
142+00	14200.00	20.00	35.93	9.47	6.32	0.00	0.00	0.00	26	7	6	0	0	0	2,593	-60	0	177	0	0	0	1,956
142+03.26	14203.26	3.26	36.63	9.97	5.01	0.00	0.00	0.00	4	1	1	0	0	0	2,598	-59	0	177	0	0	0	1,958
142+07.44	14207.44	4.18	39.30	10.11	4.51	0.00	0.00	0.00	6	2	1	0	0	0	2,604	-58	0	177	0	0	0	1,962
142+10	14210.00	2.56	43.75	10.08	4.04	0.00	0.00	0.00	4	1	0	0	0	0	2,608	-58	0	177	0	0	0	1,964
142+13.16	14213.16	3.16	46.33	10.04	3.50	0.00	0.00	0.00	5	1	0	0	0	0	2,613	-57	0	177	0	0	0	1,968
142+25	14225.00	11.84	59.23	9.12	1.82	0.00	0.00	0.00	23	4	1	0	0	0	2,636	-56	0	177	0	0	0	1,985
142+28.9	14228.90	3.90	61.74	9.42	0.44	0.00	0.00	0.00	9	1	0	0	0	0	2,645	-56	0	177	0	0	0	1,992
142+29.32	14229.32	0.42	80.51	9.45	0.00	0.00	0.00	0.00	1	0	0	0	0	0	2,646	-56	0	177	0	0	0	1,993
142+40	14240.00	10.68	80.33	10.16	0.00	0.00	0.00	0.00	32	4	0	0	0	0	2,678	-56	0	177	0	0	0	2,021
142+47.02	14247.02	7.02	73.17	10.60	0.03	0.00	0.00	0.00	20	3	0	0	0	0	2,698	-56	0	177	0	0	0	2,039
142+48.26	14248.26	1.24	77.04	10.68	0.05	0.00	0.00	0.00	3	0	0	0	0	0	2,701	-56	0	177	0	0	0	2,042
142+74.98	14274.98	26.72	61.78	11.55	12.57	0.00	0.00	0.00	69	11	6	0	0	0	2,770	-48	0	177	0	0	0	2,091
142+95.64	14295.64	20.66	53.78	11.46	9.55	0.00	0.00	0.00	44	9	8	0	0	0	2,814	-37	0	177	0	0	0	2,116
143+00	14300.00	4.36	75.92	21.10	9.81	0.00	0.00	0.00	10	3	2	0	0	0	2,824	-35	0	177	0	0	0	2,122
143+03	14303.00	3.00	76.36	21.22	10.01	0.00	0.00	0.00	8	2	1	0	0	0	2,833	-34	0	177	0	0	0	2,127
143+10	14310.00	7.00	51.25	11.97	12.08	0.00	0.00	0.00	17	4	3	0	0	0	2,849	-30	0	177	0	0	0	2,136
143+39.2	14339.20	29.20	45.38	13.16	11.56	0.00	0.00	0.00	52	14	13	0	0	0	2,902	-14	0	177	0	0	0	2,158
143+42.33	14342.33	3.13	44.24	13.21	11.60	0.00	0.00	0.00	5	2	1	0	0	0	2,907	-13	0	177	0	0	0	2,160

Continued

STH 42 - GIBRALTAR

STATION	Real Station	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)							
			Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
143+42.45	14342.45	0.12	31.97	7.79	9.83	0.00	0.00	0.00	0	0	0	0	0	0	2,907	-13	0	177	0	0	0	2,160
143+50	14350.00	7.55	29.87	7.60	11.00	0.00	0.00	0.00	9	2	3	0	0	0	2,916	-9	0	177	0	0	0	2,163
143+64.82	14364.82	14.82	25.77	6.86	12.88	0.00	0.00	0.00	15	4	7	0	0	0	2,931	-1	0	177	0	0	0	2,166
143+86.49	14386.49	21.67	27.61	7.42	11.76	0.00	0.00	0.00	21	6	10	0	0	0	2,952	11	0	177	0	0	0	2,170
143+86.65	14386.65	0.16	27.61	7.42	11.74	0.00	0.00	0.00	0	0	0	0	0	0	2,953	12	0	177	0	0	0	2,170
144+00	14400.00	13.35	27.68	9.95	11.38	0.00	0.00	0.00	14	4	6	0	0	0	2,966	19	0	177	0	0	0	2,172
144+10.64	14410.64	10.64	29.25	9.70	11.66	0.00	0.00	0.00	11	4	5	0	0	0	2,977	24	0	177	0	0	0	2,174
144+10.77	14410.77	0.13	39.41	9.70	11.60	0.00	0.00	0.00	0	0	0	0	0	0	2,978	24	0	177	0	0	0	2,174
144+22.81	14422.81	12.03	55.98	18.65	12.23	0.00	0.00	0.00	21	6	5	0	0	0	2,999	31	0	177	0	0	0	2,182
144+23.41	14423.41	0.60	29.99	7.13	12.29	0.00	0.00	0.00	1	0	0	0	0	0	3,000	31	0	177	0	0	0	2,182
144+30	14430.00	6.59	30.53	7.39	12.89	0.00	0.00	0.00	7	2	3	0	0	0	3,007	35	0	177	0	0	0	2,184
144+50	14450.00	20.00	28.95	7.55	14.05	0.00	0.00	0.00	22	6	10	0	0	0	3,029	48	0	177	0	0	0	2,188
144+82.44	14482.44	32.44	29.03	7.43	11.57	0.00	0.00	0.00	35	9	15	0	0	0	3,064	67	0	177	0	0	0	2,195
144+88.03	14488.03	5.59	29.71	7.35	11.06	0.00	0.00	0.00	6	2	2	0	0	0	3,070	70	0	177	0	0	0	2,196
144+99.84	14499.84	11.81	31.54	7.20	9.09	0.00	0.00	0.00	13	3	4	0	0	0	3,084	75	0	177	0	0	0	2,201
145+00	14500.00	0.16	40.36	8.16	33.98	0.00	0.00	0.00	0	0	0	0	0	0	3,084	76	0	177	0	0	0	2,201
145+07	14507.00	7.00	41.31	8.20	40.55	0.00	0.00	0.00	11	2	10	0	0	0	3,094	88	0	177	0	0	0	2,197
145+07.76	14507.76	0.76	42.49	8.21	43.80	0.00	0.00	0.00	1	0	1	0	0	0	3,095	89	0	177	0	0	0	2,197
145+22.67	14522.67	14.91	46.57	8.38	27.77	0.00	0.00	0.00	25	5	20	0	0	0	3,120	114	0	177	0	0	0	2,192
145+22.75	14522.75	0.08	46.57	8.38	27.70	0.00	0.00	0.00	0	0	0	0	0	0	3,120	114	0	177	0	0	0	2,192
145+27	14527.00	4.25	66.72	15.42	24.79	0.00	0.00	0.00	9	2	4	0	0	0	3,129	119	0	177	0	0	0	2,194
145+50	14550.00	23.00	63.71	12.98	18.24	0.00	0.00	0.00	56	12	18	0	0	0	3,185	142	0	177	0	0	0	2,215
145+75.01	14575.01	25.01	60.76	12.19	21.74	0.00	0.00	0.00	58	12	19	0	0	0	3,242	165	0	177	0	0	0	2,237
145+87.07	14587.07	12.05	59.92	11.86	23.41	0.00	0.00	0.00	27	5	10	0	0	0	3,269	178	0	177	0	0	0	2,246
146+00	14600.00	12.93	67.25	11.40	25.83	0.00	0.00	0.00	30	6	12	0	0	0	3,300	192	0	177	0	0	0	2,257
146+10	14610.00	10.00	69.89	11.06	21.67	0.00	0.00	0.00	25	4	9	0	0	0	3,325	203	0	177	0	0	0	2,267
146+12.59	14612.59	2.59	70.83	11.27	20.53	0.00	0.00	0.00	7	1	2	0	0	0	3,332	206	0	177	0	0	0	2,270
146+20.04	14620.04	7.45	70.96	11.12	26.75	0.00	0.00	0.00	20	3	7	0	0	0	3,351	214	0	177	0	0	0	2,278
146+22.34	14622.34	2.30	80.40	11.00	27.12	0.00	0.00	0.00	6	1	2	0	0	0	3,358	217	0	177	0	0	0	2,281
146+28.82	14628.82	6.48	78.11	10.64	7.98	0.00	0.00	0.00	19	3	4	0	0	0	3,377	222	0	177	0	0	0	2,292
146+35.95	14635.95	7.13	74.96	10.23	10.07	0.00	0.00	0.00	20	3	2	0	0	0	3,397	225	0	177	0	0	0	2,306
146+50	14650.00	14.05	68.52	9.55	13.70	0.00	0.00	0.00	37	5	6	0	0	0	3,434	233	0	177	0	0	0	2,331
146+54.75	14654.75	4.75	66.57	10.12	14.92	0.00	0.00	0.00	12	2	3	0	0	0	3,446	236	0	177	0	0	0	2,338
146+61.68	14661.68	6.94	55.62	12.83	18.11	0.00	0.00	0.00	16	3	4	0	0	0	3,462	241	0	177	0	0	0	2,345
146+62.56	14662.56	0.88	55.36	12.95	19.26	0.00	0.00	0.00	2	0	1	0	0	0	3,464	242	0	177	0	0	0	2,346
146+65.12	14665.12	2.56	54.64	16.34	25.10	0.00	0.00	0.00	5	1	2	0	0	0	3,469	245	0	177	0	0	0	2,347
146+65.15	14665.15	0.03	54.71	16.34	25.22	0.00	0.00	0.00	0	0	0	0	0	0	3,469	245	0	177	0	0	0	2,347
146+91	14691.00	25.85	53.04	17.72	34.30	0.00	0.00	0.00	52	16	28	0	0	0	3,521	281	0	177	0	0	0	2,347
147+01.49	14701.49	10.49	52.18	14.83	33.72	0.00	0.00	0.00	20	6	13	0	0	0	3,541	297	0	177	0	0	0	2,344
147+15.72	14715.72	14.23	56.20	11.17	35.88	0.00	0.00	0.00	29	7	18	0	0	0	3,570	320	0	177	0	0	0	2,343
147+20.65	14720.65	4.93	47.97	11.08	36.50	0.00	0.00	0.00	10	2	7	0	0	0	3,579	328	0	177	0	0	0	2,342
147+20.79	14720.79	0.15	62.88	18.68	36.56	0.00	0.00	0.00	0	0	0	0	0	0	3,579	328	0	177	0	0	0	2,342
147+25	14725.00	4.21	66.44	18.59	39.29	0.00	0.00	0.00	10	3	6	0	0	0	3,590	336	0	177	0	0	0	2,342
147+50	14750.00	25.00	72.02	18.07	42.20	0.00	0.00	0.00	64	17	38	0	0	0	3,654	383	0	177	0	0	0	2,342
147+75.23	14775.23	25.23	76.80	17.78	27.18	0.00	0.00	0.00	70	17	32	0	0	0	3,723	424	0	177	0	0	0	2,354
147+82.72	14782.72	7.49	76.70	17.76	27.88	0.00	0.00	0.00	21	5	8	0	0	0	3,744	433	0	177	0	0	0	2,361
148+00	14800.00	17.28	72.74	19.67	27.99	0.00	0.00	0.00	48	12	18	0	0	0	3,792	455	0	177	0	0	0	2,375
148+12.04	14812.04	12.04	67.25	20.61	28.89	0.00	0.00	0.00	31	9	13	0	0	0	3,824	471	0	177	0	0	0	2,381
148+17.86	14817.86	5.82	70.10	20.77	16.34	0.00	0.00	0.00	15	4	5	0	0	0	3,838	477	0	177	0	0	0	2,385
148+27	14827.00	9.15	86.13	21.04	17.00	0.00	0.00	0.00	26	7	6	0	0	0	3,865	484	0	177	0	0	0	2,398
148+34.14	14834.14	7.13	77.43	21.24	17.40	0.00	0.00	0.00	22	6	5	0	0	0	3,886	490	0	177	0	0	0	2,408
148+41.61	14841.61	7.47	90.40	21.53	17.60	0.00	0.00	0.00	23	6	5	0	0	0	3,910	496	0	177	0	0	0	2,419
148+44.44	14844.44	2.83	87.68	21.66	17.45	0.00	0.00	0.00	9	2	2	0	0	0	3,919	498	0	177	0	0	0	2,424
148+50	14850.00	5.56	83.85	21.92	15.77	0.00	0.00	0.00	18	4	3	0	0	0	3,937	503	0	177	0	0	0	2,433
148+67.82	14867.82	17.82	82.57	23.01	10.16	0.00	0.00	0.00	55	15	9	0	0	0	3,992	513	0	177	0	0	0	2,462
148+72.22	14872.22	4.40	66.87	23.32	11.44	0.00	0.00	0.00	12	4	2	0	0	0	4,004	516	0	177	0	0	0	2,469
148+74.9	14874.90	2.69	67.62	23.26	11.33	0.00	0.00	0.00	7	2	1	0	0	0	4,010	517	0	177	0	0	0	2,472
148+80.4	14880.40	5.50	69.44	22.86	13.50	0.00	0.00	0.00	14	5	3	0	0	0	4,024	520	0	177	0	0	0	2,478
148+89.17	14889.17	8.77	72.72	22.32	14.95	0.00	0.00	0.00	23	7	5	0	0	0	4,047	526	0	177	0	0	0	2,488
149+00	14900.00	10.83	73.46	21.70	14.76	0.00	0.00	0.00	29	9	6	0	0	0	4,077	533	0	177	0	0	0	2,501
149+00.37	14900.37	0.37	46.48	11.05	14.77	0.00	0.00	0.00	1	0	0	0	0	0	4,078	534	0	177	0	0	0	2,501
149+37.49	14937.49	37.12	47.89	10.83	10.85	0.00	0.00	0.00	65	15	18	0	0	0	4,142	556	0	177	0	0	0	2,529
149+50	14950.00	12.51	46.20	10.21	10.96	0.00	0.00	0.00	22	5	5	0	0	0	4,164	562	0	177	0	0	0	2,539
149+94.06	14994.06	44.06	51.38	13.48	13.55	0.00	0.00	0.00	80	19	20	0	0	0	4,244	587	0	177	0	0	0	2,575
149+94.26	14994.26	0.21	54.99	21.29	13.56	0.00	0.00	0.00	0	0	0	0	0	0	4,244	587	0	177	0	0	0	2,575
150+00	15000.00	5.74	76.78	21.26	14.14	0.00	0.00	0.00	14	5	3	0	0	0	4,258	591	0	177	0	0	0	2,581
150+05.74	15005.74	5.74	54.08	21.24	14.69	0.00	0.00	0.00	14	5	3	0	0	0	4,272	595	0	177	0	0	0	2,586
150+06.04	15006.04	0.31	49.45	11.45	14.71	0.00	0.00	0.00	1	0	0	0	0	0	4,273	595	0	177	0	0	0	2,586
150+50	15050.00	43.96	42.77	12.71	16.71	0.00	0.00	0.00	75	20	26	0	0	0	4,348	627	0	177	0	0	0	2,610
150+60	15060.00	10.00	41.17	12.95	18.45	0.00	0.00	0.00	16	5	7	0	0	0	4,363	635	0	177	0	0	0	2,612
150+77.14	15077.14	17.14	35.86	14.65	25.26	0.00	0.00	0.00	24	9	14	0	0	0	4,388	652	0	177	0	0	0	2,611
151+00	15100.00	22.86	31.45	19.27	28.93	0.00	0.00	0.00	28	14	23	0	0	0	4,416	681	0	177	0	0	0	2,596
151+25	15125.00	25.00	36.13	19.34	21.60	0.00	0.00	0.00	31	18	23	0	0	0	4,448	710	0	177	0	0	0	2,580
151+60	15160.00	35.00	38.66	16.81	24.25	0.00	0.00	0.00	48	23	30	0	0	0	4,496	747	0	177	0	0	0	2,568
151+75	15175.00	15.00	36.98	11.98	31.37	0.00	0.00	0.00	21	8	15	0	0	0	4,517	767	0	177	0	0	0	2,562
152+00	15200.00	25.00	35.85	11.28	55.78	0.00	0.00	0.00	34	11	40	0	0	0	4,551	817	0	177	0	0	0	2,535
152+06.95	15206.95	6.95	35.76	11.01	58.64	0.00	0.00	0.00	9	3	15	0	0	0	4,560	836	0	177	0	0	0	2,523
152+40	15240.00	33.05	56.58	18.79	55.84	0.00	0.00	0.00	57	18	70	0	0	0	4,617	923	0	177	0	0	0	2,473
152+49.71	15249.71	9.71	43.55	13.75	53.63	0.00	0.00	0.00	18	6	20	0	0	0	4,635	948	0	177	0	0	0	2,461
152+65.33	15265.33	15.62	38.66	12.20	50.57	0.00	0.00	0.00	24	8	30	0	0	0	4,658	985	0	177	0	0	0	2,439

Continued

STH 42 - GIBRALTAR

STATION	Real Station	Distance	AREA (SF)						Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)							
			Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	Rock Exc	EBS	Cut 1.00	Expanded Fill 1.25	Expanded Marsh Backfill 1.50	Expanded Rock 1.10	Expanded EBS Backfill 1.30	Reduced Marsh in Fill 0.60	Reduced EBS in Fill 0.80	Mass Ordinate
152+73.26	15273.26	7.93	42.44	12.33	50.27	0.00	0.00	0.00	12	4	15	0	0	0	4,670	1,004	0	177	0	0	0	2,429
152+78.17	15278.17	4.90	42.09	12.55	48.70	0.00	0.00	0.00	8	2	9	0	0	0	4,678	1,015	0	177	0	0	0	2,423
152+89.89	15289.89	11.73	40.32	13.81	34.37	0.00	0.00	0.00	18	6	18	0	0	0	4,696	1,038	0	177	0	0	0	2,413
152+90.07	15290.07	0.17	30.61	7.85	13.33	0.00	0.00	0.00	0	0	0	0	0	0	4,696	1,038	0	177	0	0	0	2,413
153+00	15300.00	9.93	29.84	6.50	4.14	0.00	0.00	0.00	11	3	3	0	0	0	4,707	1,042	0	177	0	0	0	2,417
153+01.04	15301.04	1.04	28.78	6.50	4.04	0.00	0.00	0.00	1	0	0	0	0	0	4,708	1,042	0	177	0	0	0	2,418
153+50	15350.00	48.96	33.46	6.50	0.00	0.00	0.00	0.00	56	12	4	0	0	0	4,765	1,047	0	177	0	0	0	2,458
153+73.49	15373.49	23.49	38.04	6.50	0.00	0.00	0.00	0.00	31	6	0	0	0	0	4,796	1,047	0	177	0	0	0	2,484
154+00	15400.00	26.51	41.67	6.50	0.00	0.00	0.00	0.00	39	6	0	0	0	0	4,835	1,047	0	177	0	0	0	2,516
154+12.16	15412.16	12.16	20.78	0.00	0.00	0.00	0.00	0.00	14	1	0	0	0	0	4,849	1,047	0	177	0	0	0	2,529
154+30	15430.00	17.84	26.05	0.00	0.00	0.00	0.00	0.00	15	0	0	0	0	0	4,864	1,047	0	177	0	0	0	2,544
154+30.07	15430.07	0.07	44.89	5.98	14.27	0.00	0.00	0.00	0	0	0	0	0	0	4,865	1,047	0	177	0	0	0	2,544
154+50	15450.00	19.93	42.90	5.22	21.33	0.00	0.00	0.00	32	4	13	0	0	0	4,897	1,063	0	177	0	0	0	2,556
154+70	15470.00	20.00	33.59	4.45	22.32	0.00	0.00	0.00	28	4	16	0	0	0	4,925	1,083	0	177	0	0	0	2,561
154+75	15475.00	5.00	35.32	5.97	22.92	0.00	0.00	0.00	6	1	4	0	0	0	4,932	1,089	0	177	0	0	0	2,561
154+75.91	15475.91	0.91	38.34	5.94	23.04	0.00	0.00	0.00	1	0	1	0	0	0	4,933	1,090	0	177	0	0	0	2,561
154+80	15480.00	4.09	36.54	5.81	23.61	0.00	0.00	0.00	6	1	4	0	0	0	4,939	1,094	0	177	0	0	0	2,561
155+00	15500.00	20.00	32.57	5.06	27.72	0.00	0.00	0.00	26	4	19	0	0	0	4,964	1,118	0	177	0	0	0	2,559
155+50	15550.00	50.00	29.70	4.02	31.07	0.00	0.00	0.00	58	8	54	0	0	0	5,022	1,186	0	177	0	0	0	2,541
155+90	15590.00	40.00	39.58	4.07	25.15	0.00	0.00	0.00	51	6	42	0	0	0	5,073	1,238	0	177	0	0	0	2,534
156+00	15600.00	10.00	43.27	4.10	23.29	0.00	0.00	0.00	15	2	9	0	0	0	5,089	1,249	0	177	0	0	0	2,536
156+10	15610.00	10.00	45.79	4.12	21.40	0.00	0.00	0.00	16	2	8	0	0	0	5,105	1,259	0	177	0	0	0	2,541
156+19.9	15619.90	9.90	34.05	4.15	21.40	0.00	0.00	0.00	15	2	8	0	0	0	5,120	1,269	0	177	0	0	0	2,544
156+20.58	15620.58	0.68	51.92	17.15	21.41	0.00	0.00	0.00	1	0	1	0	0	0	5,121	1,270	0	177	0	0	0	2,544
156+50	15650.00	29.42	69.17	17.15	17.32	0.00	0.00	0.00	66	19	21	0	0	0	5,187	1,296	0	177	0	0	0	2,565
156+60.39	15660.39	10.39	76.53	17.15	8.79	0.00	0.00	0.00	28	7	5	0	0	0	5,215	1,302	0	177	0	0	0	2,581
156+68.65	15668.65	8.26	63.87	17.16	0.00	0.00	0.00	0.00	21	5	1	0	0	0	5,236	1,304	0	177	0	0	0	2,595
156+76	15676.00	7.35	56.31	17.17	15.10	0.00	0.00	0.00	16	5	2	0	0	0	5,253	1,307	0	177	0	0	0	2,604
156+80.93	15680.93	4.93	55.38	17.17	1.23	0.00	0.00	0.00	10	3	1	0	0	0	5,263	1,309	0	177	0	0	0	2,609
156+89.39	15689.39	8.46	55.27	17.18	0.00	0.00	0.00	0.00	17	5	0	0	0	0	5,280	1,309	0	177	0	0	0	2,621
156+90	15690.00	0.61	69.75	17.18	0.00	0.00	0.00	0.00	1	0	0	0	0	0	5,282	1,309	0	177	0	0	0	2,622
157+00	15700.00	10.00	68.85	17.20	0.05	0.00	0.00	0.00	26	6	0	0	0	0	5,307	1,309	0	177	0	0	0	2,641
157+08.46	15708.46	8.46	67.72	17.21	0.14	0.00	0.00	0.00	21	5	0	0	0	0	5,329	1,309	0	177	0	0	0	2,657
157+08.6	15708.60	0.13	39.20	4.21	0.15	0.00	0.00	0.00	0	0	0	0	0	0	5,329	1,309	0	177	0	0	0	2,658
157+50	15750.00	41.40	32.58	4.26	0.91	0.00	0.00	0.00	55	6	1	0	0	0	5,384	1,310	0	177	0	0	0	2,705
157+80	15780.00	30.00	28.51	4.29	1.52	0.00	0.00	0.00	34	5	1	0	0	0	5,418	1,312	0	177	0	0	0	2,733
158+00	15800.00	20.00	26.97	4.31	1.22	0.00	0.00	0.00	21	3	1	0	0	0	5,438	1,313	0	177	0	0	0	2,749
158+50	15850.00	50.00	25.40	4.37	2.85	0.00	0.00	0.00	48	8	4	0	0	0	5,487	1,318	0	177	0	0	0	2,784
158+53.65	15853.65	3.65	25.44	4.37	2.98	0.00	0.00	0.00	3	1	0	0	0	0	5,490	1,318	0	177	0	0	0	2,787
158+55	15855.00	1.35	25.46	4.37	3.04	0.00	0.00	0.00	1	0	0	0	0	0	5,492	1,318	0	177	0	0	0	2,788
									5,493	1,258	1,237	0	161	0								

9

9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	EARTHWORK QUANTITIES	SHEET: 506	E

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

CTH F

EXP Fact= 1.25

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
0+00	0.0	20.2					
0+25	3.0	0.0	1.4	11.7	1	12	-10
0+50	2.9	0.9	2.8	0.5	4	12	-8
0+75	3.0	2.0	2.7	1.7	7	14	-7
1+00	1.6	3.1	2.1	2.9	9	17	-8
1+25	1.3	5.3	1.3	4.8	10	22	-11
1+50	1.4	5.1	1.2	6.0	12	28	-16
1+75	3.0	1.1	2.0	3.6	14	31	-18
2+00	4.4	0.0	3.4	0.6	17	32	-15
2+24	4.4	0.0	3.9	0.0	21	32	-11

SPRING ROAD

EXP Fact= 1.25

STATION	END AREA CUT (SF)	END AREA FILL (SF)	VOLUME CUT (CY)	VOLUME FILL (CY)	CUMULATIVE VOLUME CUT (CY)	CUMULATIVE VOLUME FILL (CY)	MASS HAUL (CY)
0+00	0.0	24.1					
0+10	0.0	18.0	0.0	9.8	0	10	-10
0+20	0.0	12.4	0.0	7.0	0	17	-17
0+30	0.0	10.1	0.0	5.2	0	22	-22
0+40	0.0	8.2	0.0	4.2	0	26	-26
0+50	2.5	3.2	0.5	2.6	1	29	-28
0+60	3.4	0.1	1.1	0.8	2	30	-28
0+70	3.2	0.0	1.2	0.0	3	30	-27
0+80	2.8	1.0	1.1	0.2	4	30	-26
0+90	3.1	0.4	1.1	0.3	5	30	-25
1+00	3.5	0.2	1.2	0.1	6	30	-24
1+04	3.5	0.0	0.5	0.0	7	30	-24

9

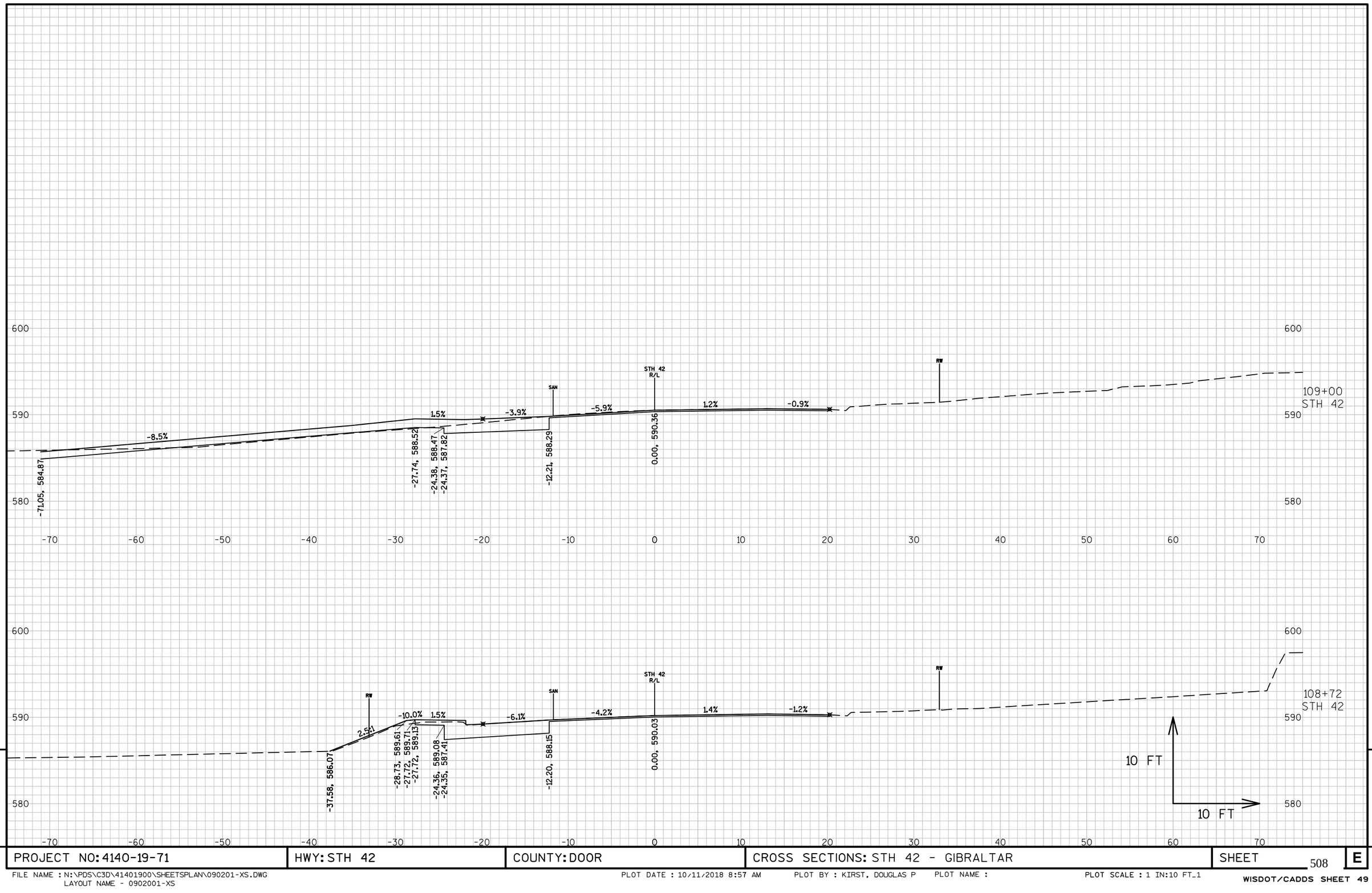
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PROJECT NO: 4140-19-71 | HWY: STH 42 | COUNTY: DOOR | EARTHWORK QUANTITIES | SHEET 507 | E

FILE NAME : P:\UZ\W\WIDOT\COMMON\STAUFFER\12345678\SHEETSPLAN\090101 EW.DWG
LAYOUT NAME - 090101 ew

PLOT DATE : 7/24/2018 9:55 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

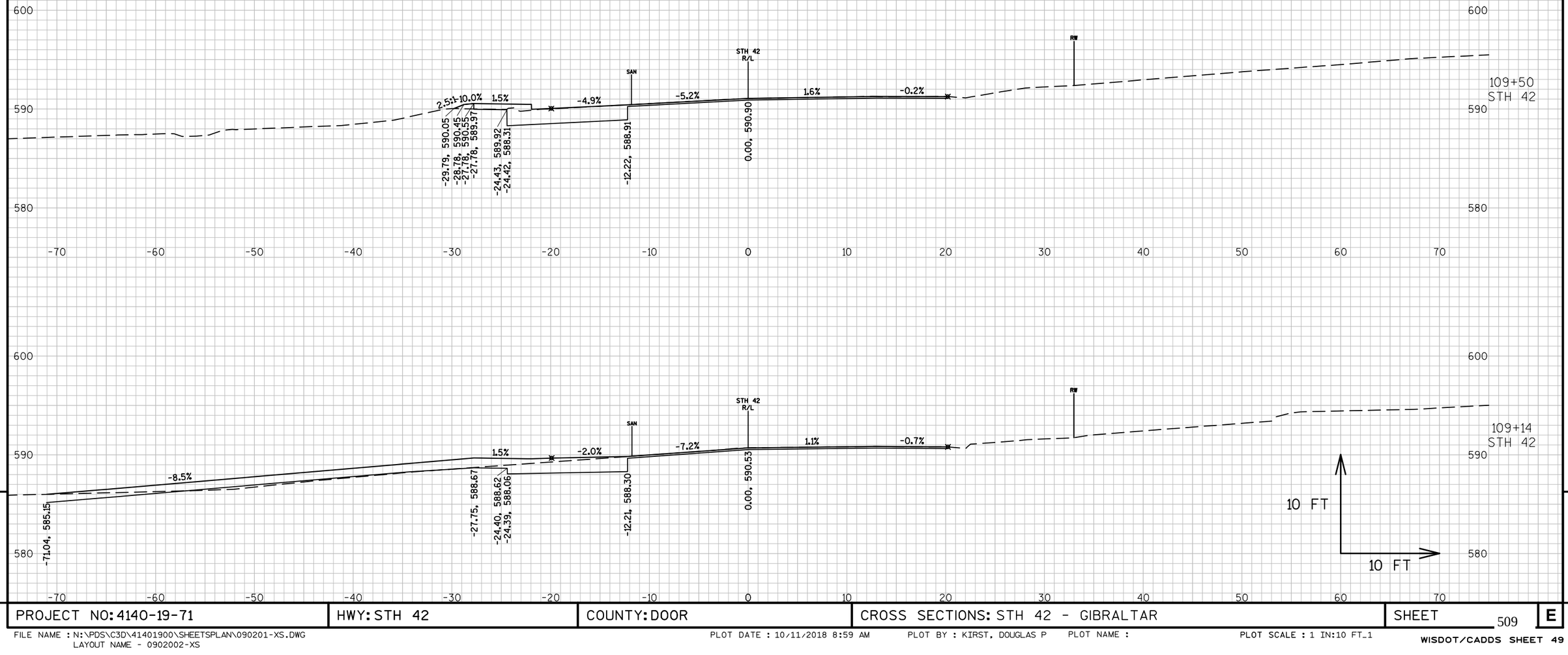


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 508	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902001-XS

PLOT DATE : 10/11/2018 8:57 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

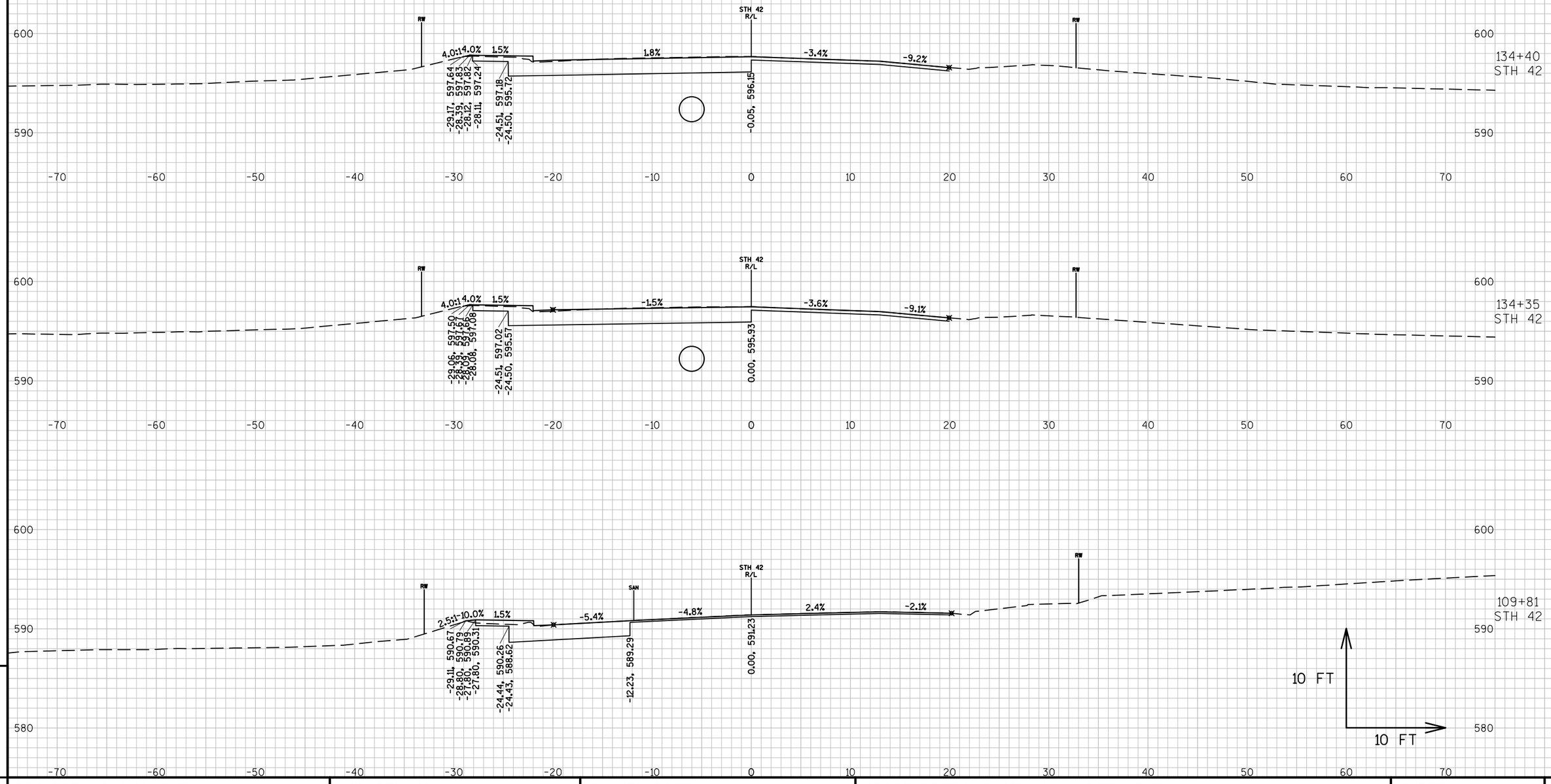


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 509	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902002-XS

PLOT DATE : 10/11/2018 8:59 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

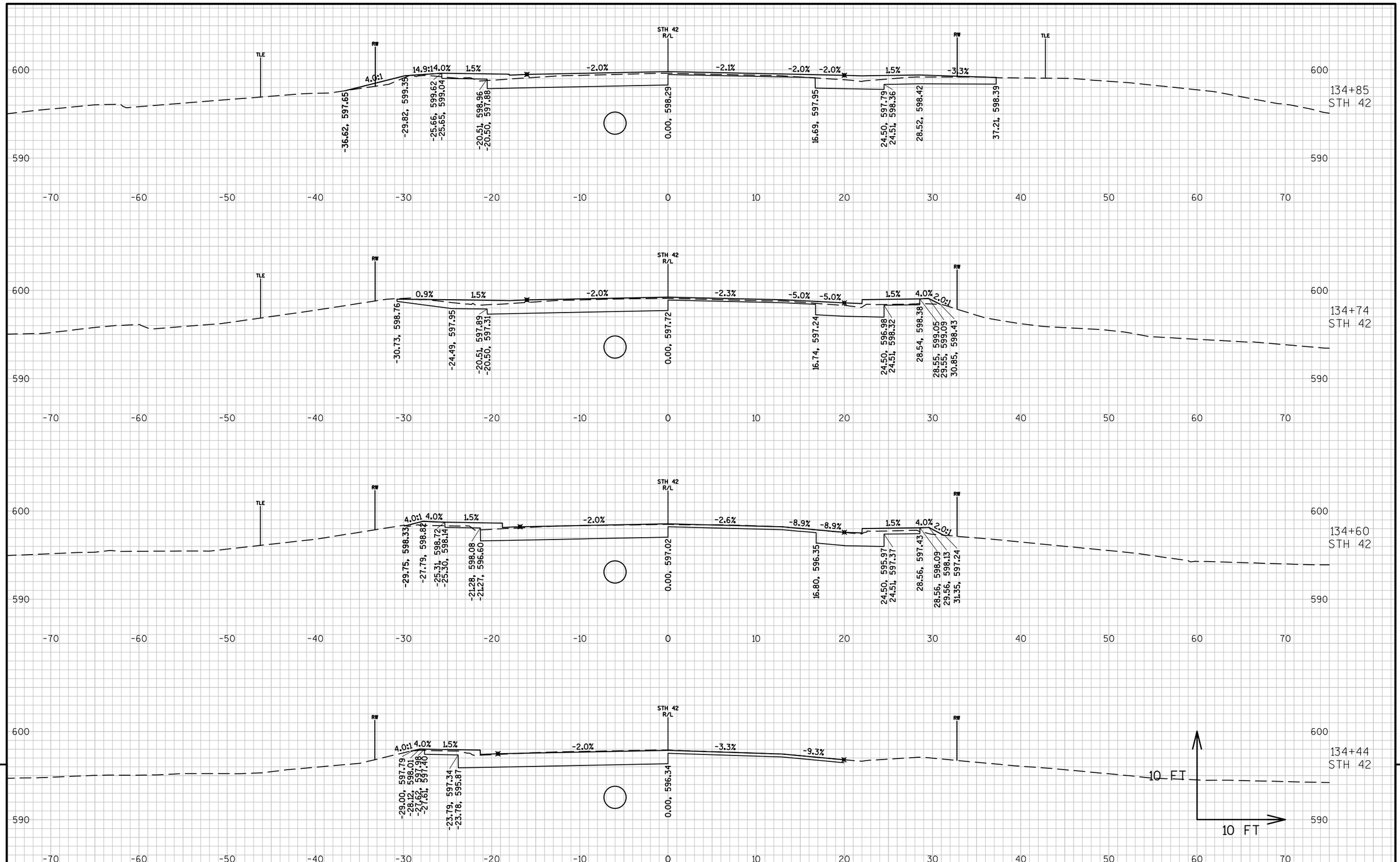
WISDOT/CADDS SHEET 49



9	PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 510 E

9

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902003-XS
PLOT DATE : 10/11/2018 9:00 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49

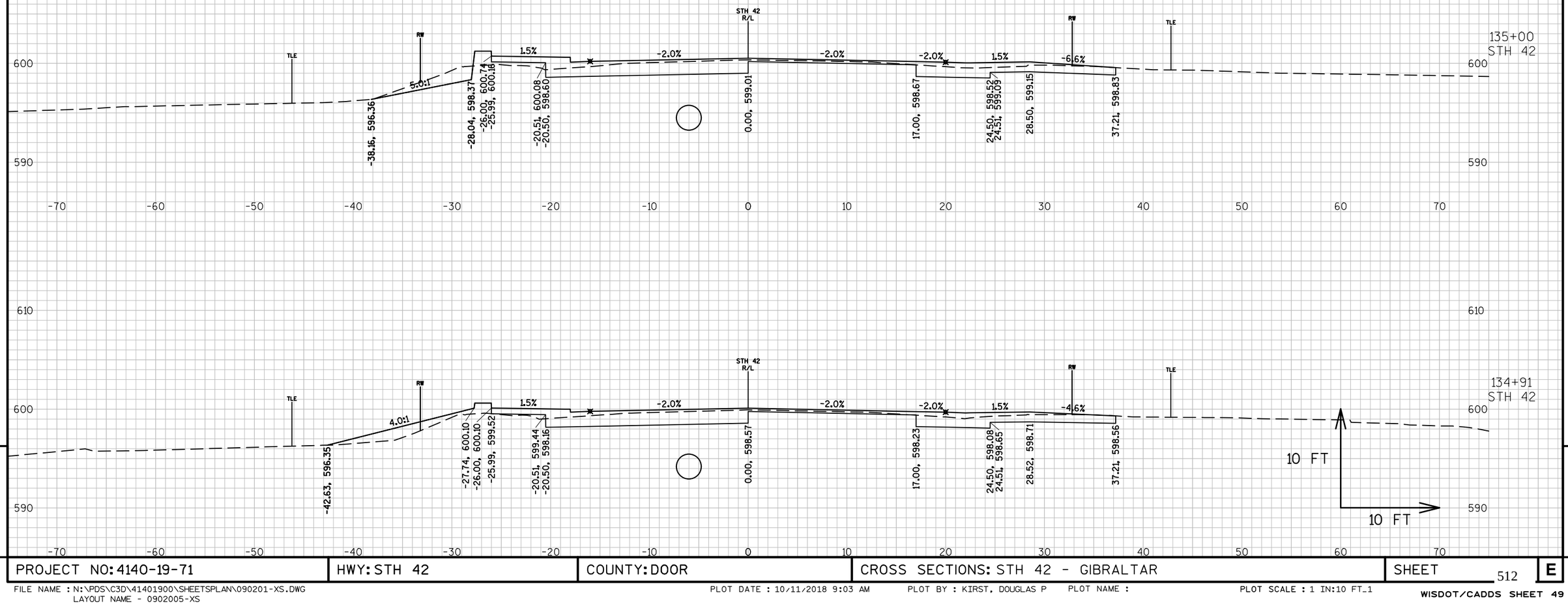


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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 511	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902004-XS
PLOT DATE : 10/11/2018 9:01 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



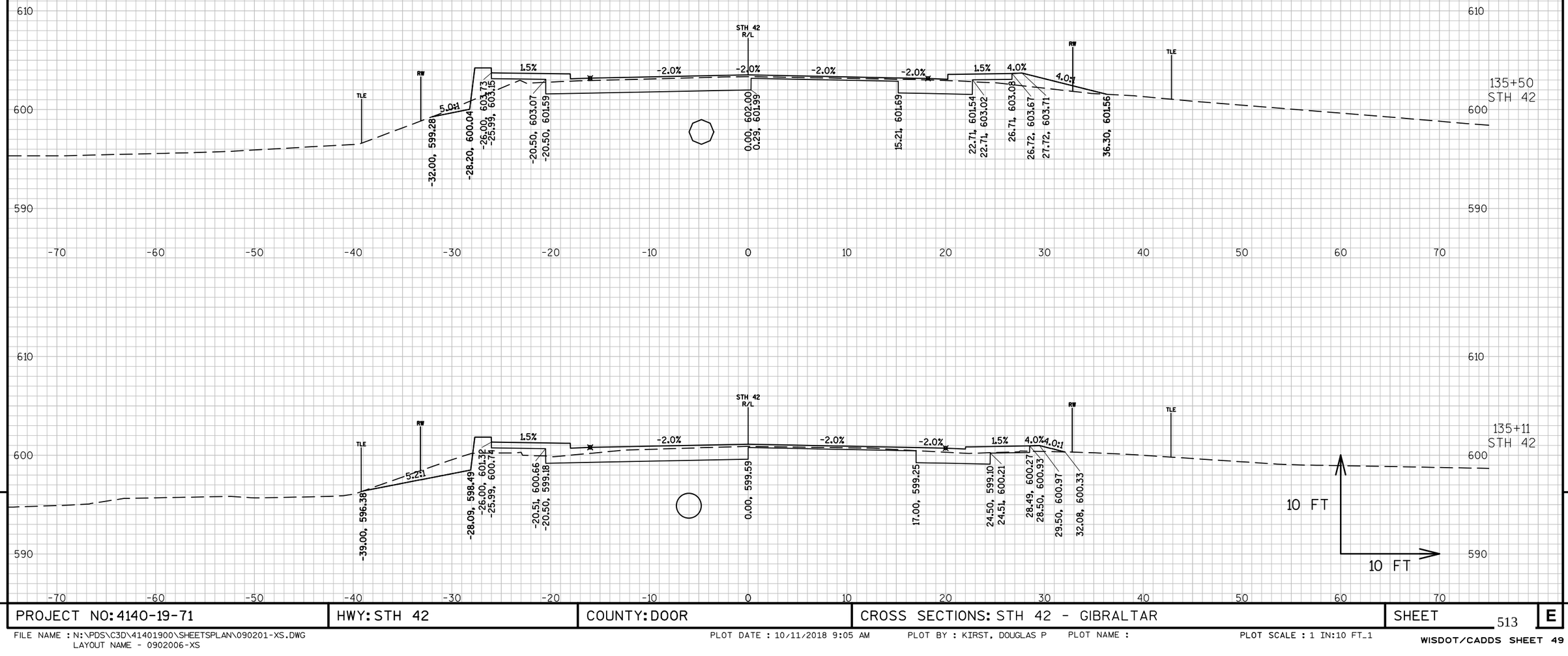
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9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 512	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902005-XS

PLOT DATE : 10/11/2018 9:03 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



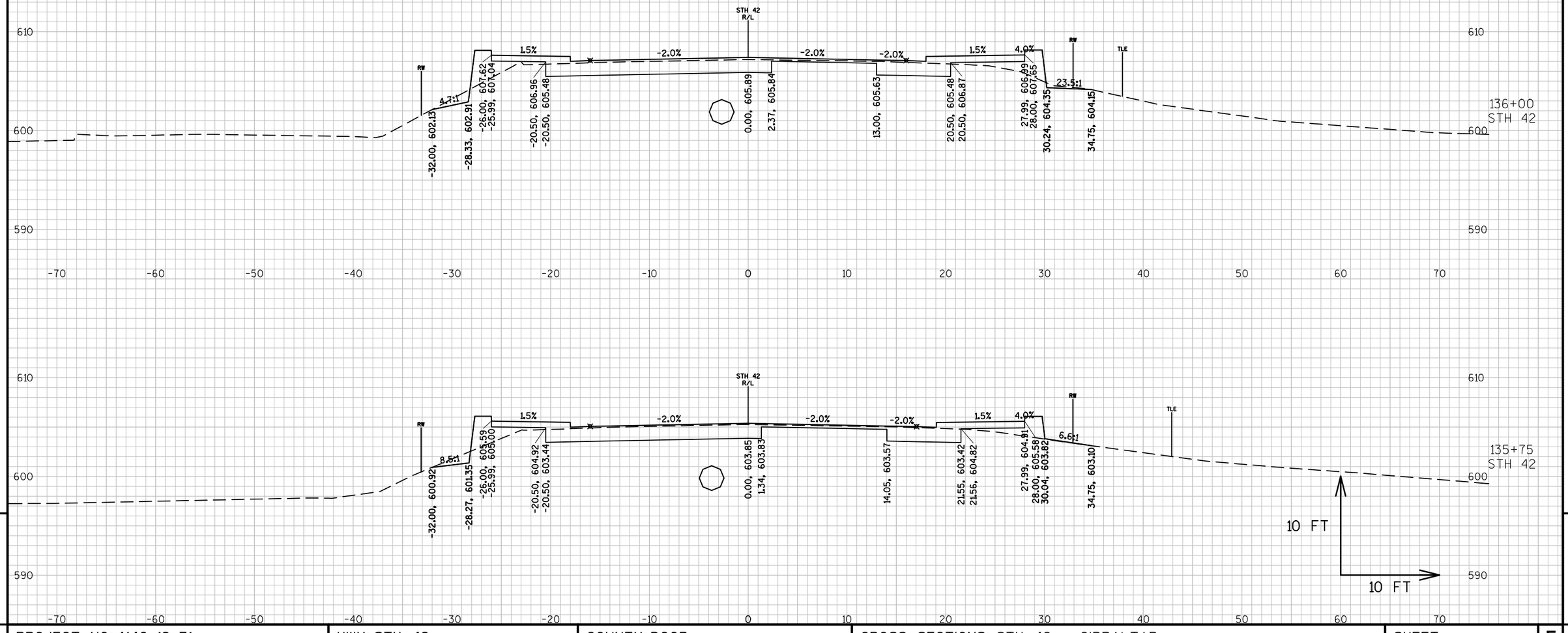
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9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 513	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902006-XS

PLOT DATE : 10/11/2018 9:05 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

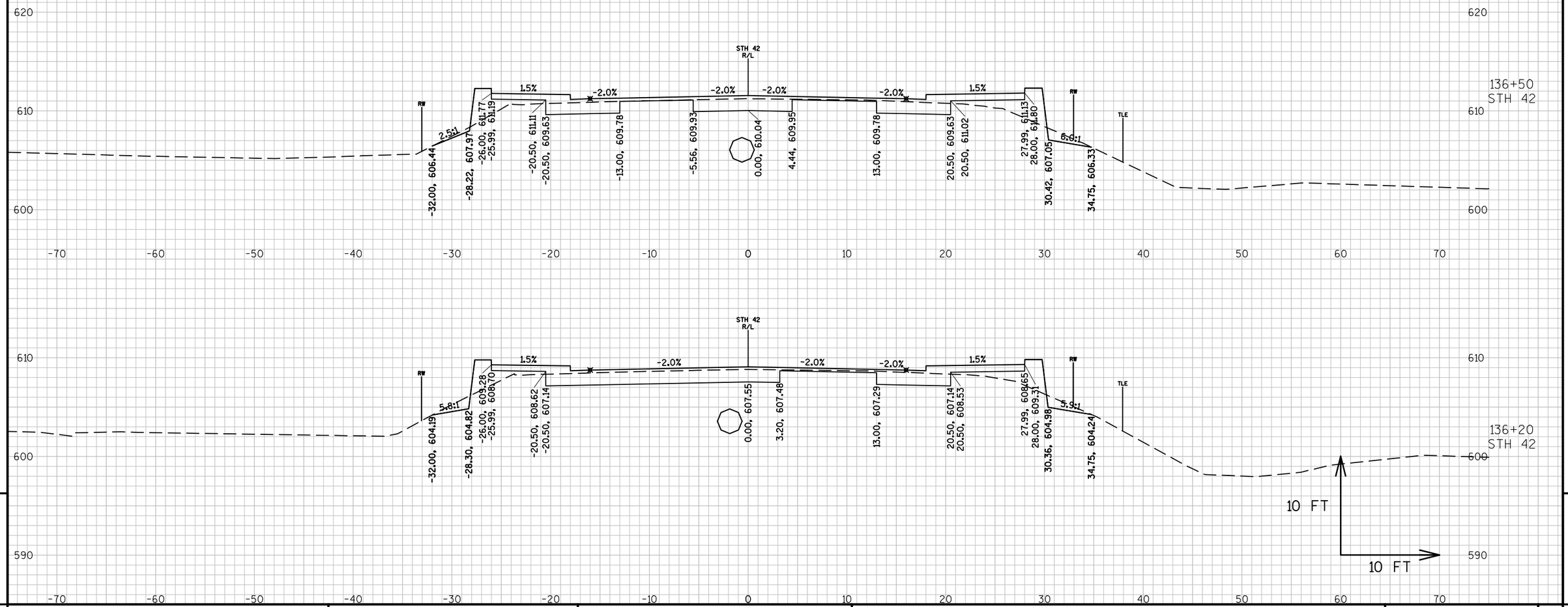


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 514	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902007-XS

PLOT DATE : 10/11/2018 9:06 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

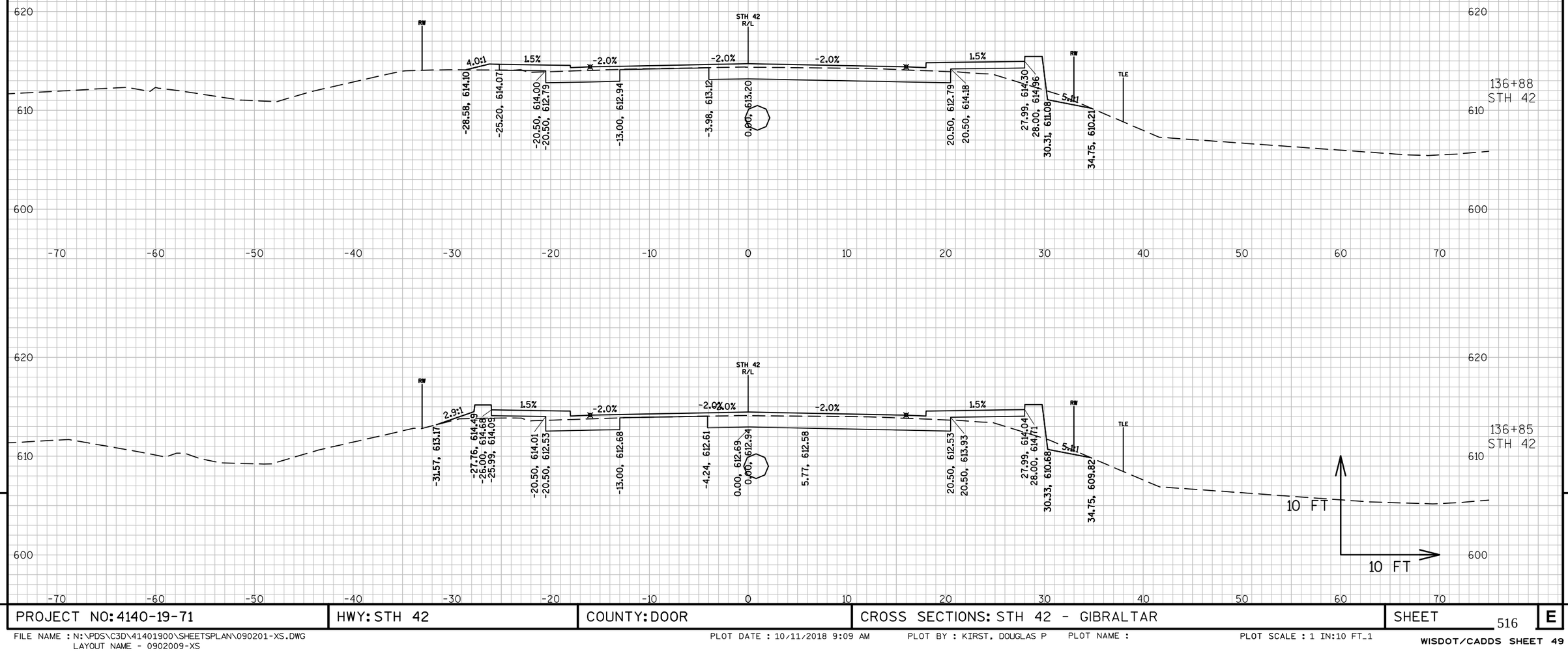


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 515	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902008-XS

PLOT DATE : 10/11/2018 9:07 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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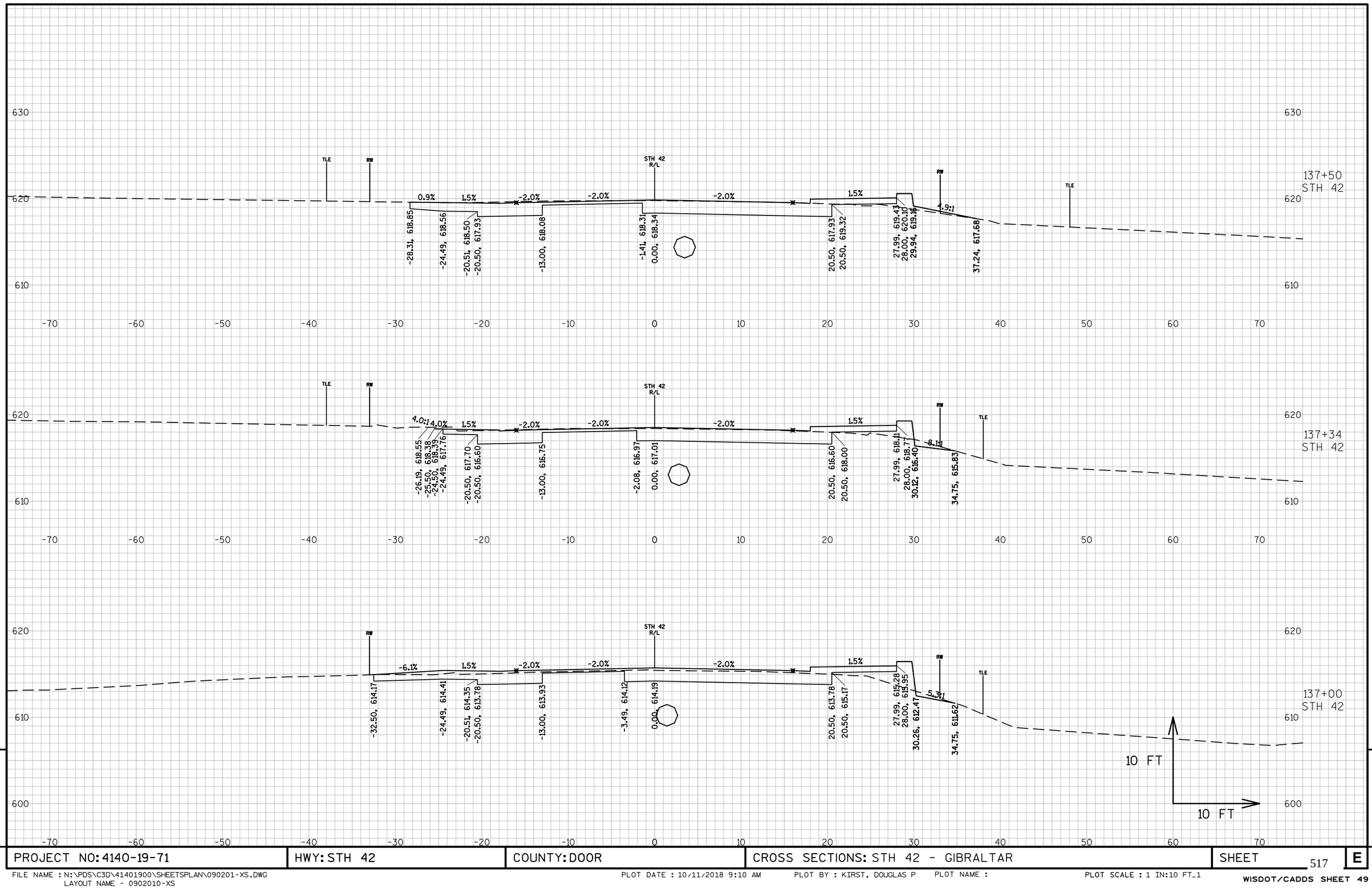
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 516	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902009-XS

PLOT DATE : 10/11/2018 9:09 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



9

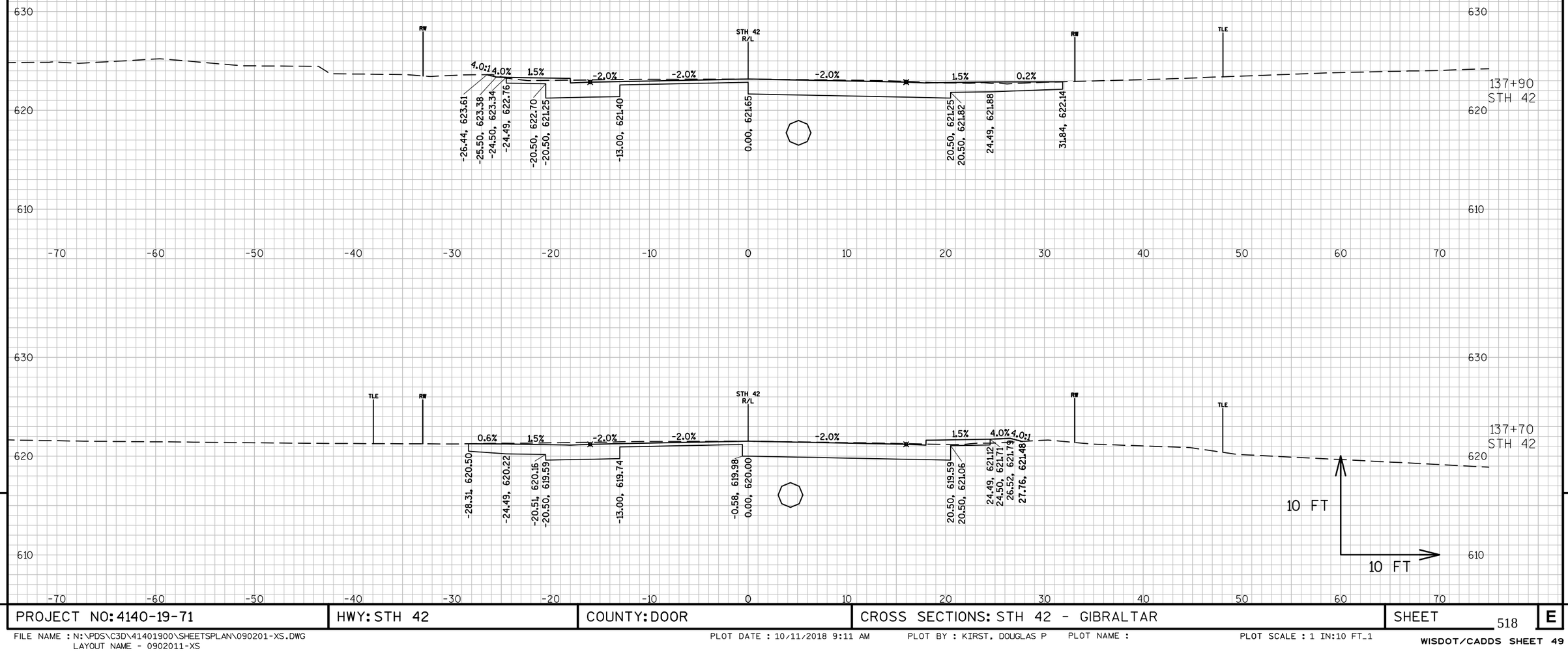
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 517	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902010-XS

PLOT DATE : 10/11/2018 9:10 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

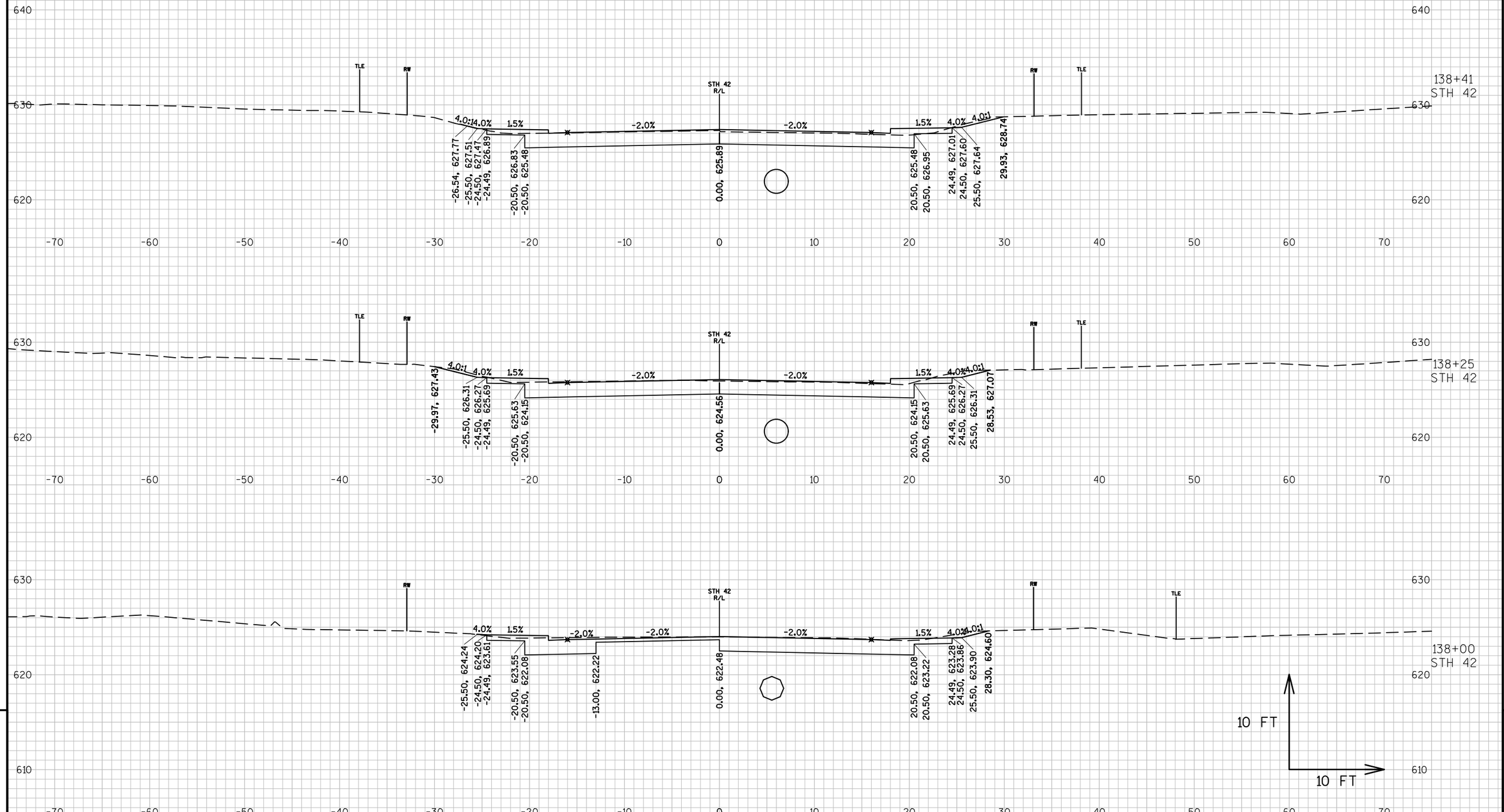


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 518	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902011-XS

PLOT DATE : 10/11/2018 9:11 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 519	E

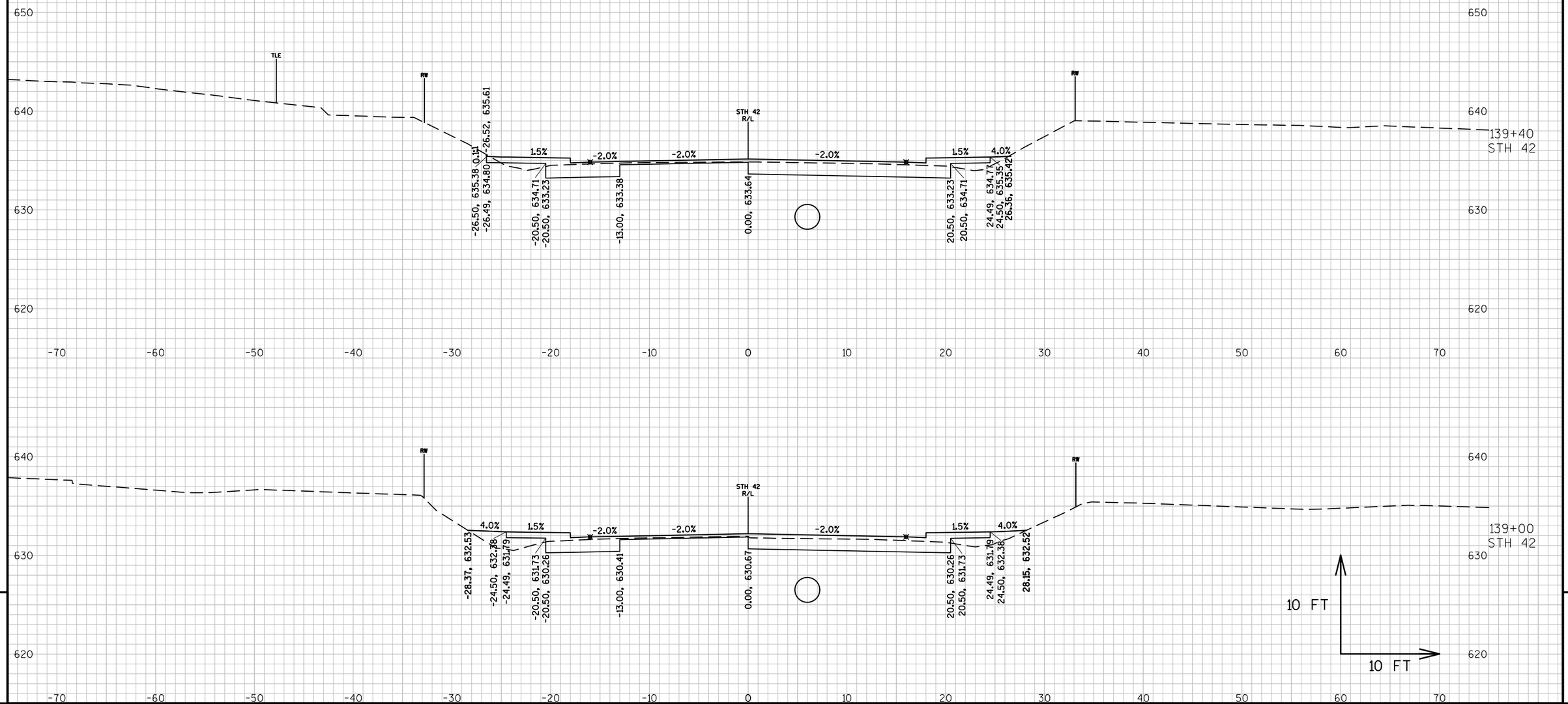
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902012-XS
PLOT DATE : 10/11/2018 9:13 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 520	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902013-XS
PLOT DATE : 10/11/2018 9:14 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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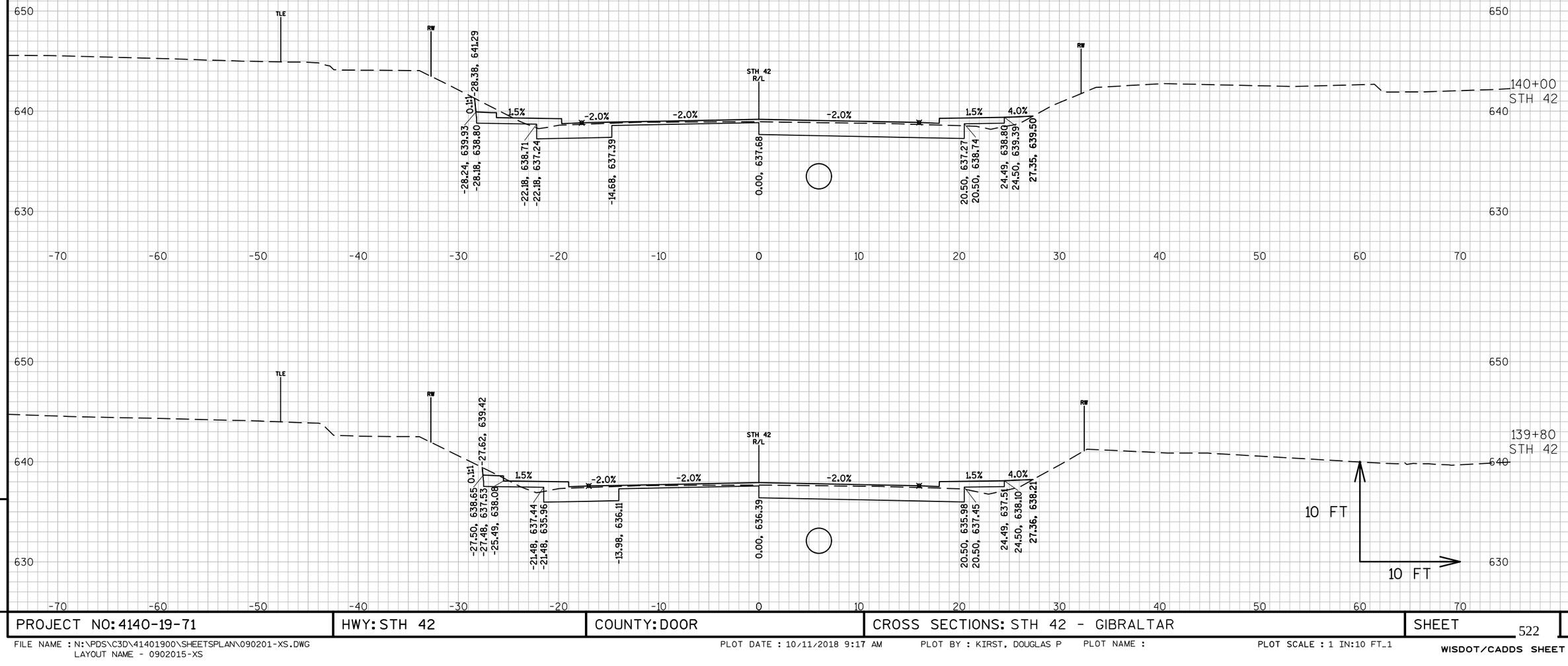
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 521	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902014-XS

PLOT DATE : 10/11/2018 9:16 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

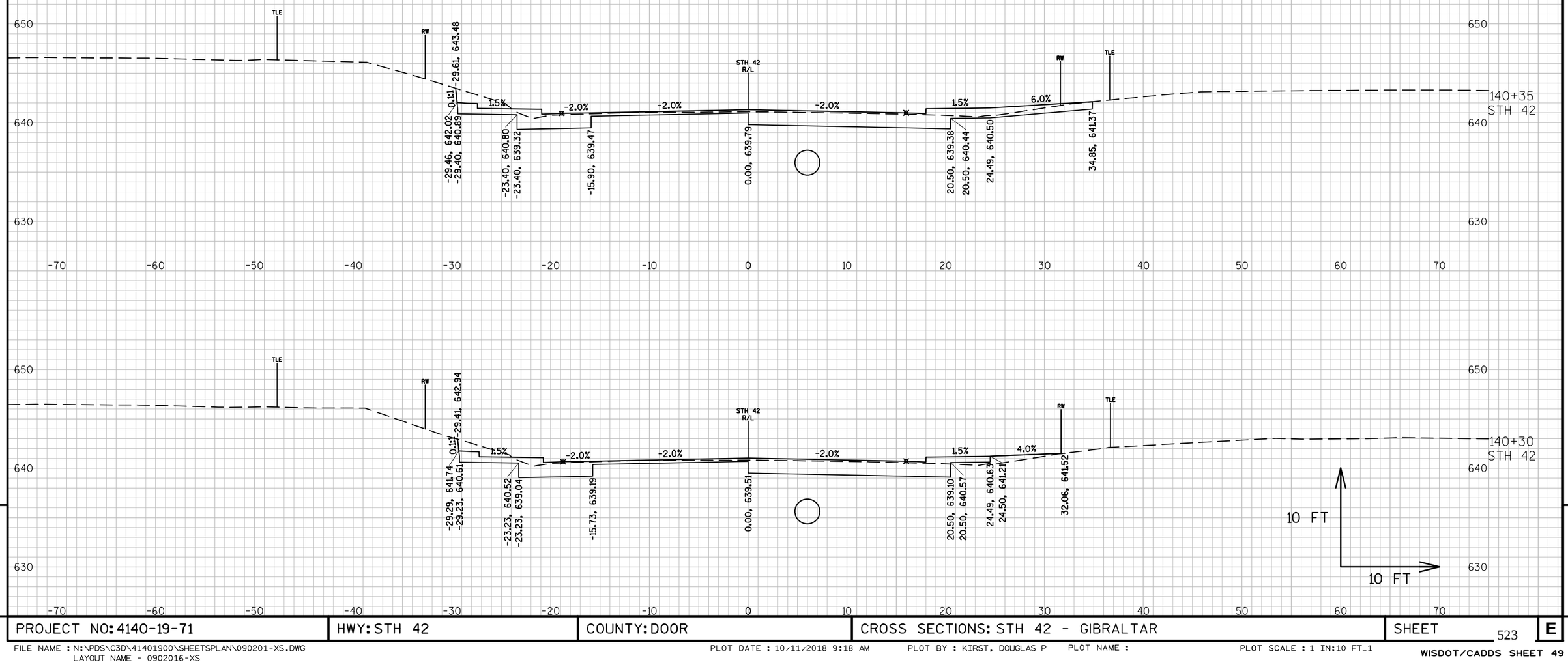


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 522	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902015-XS

PLOT DATE : 10/11/2018 9:17 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

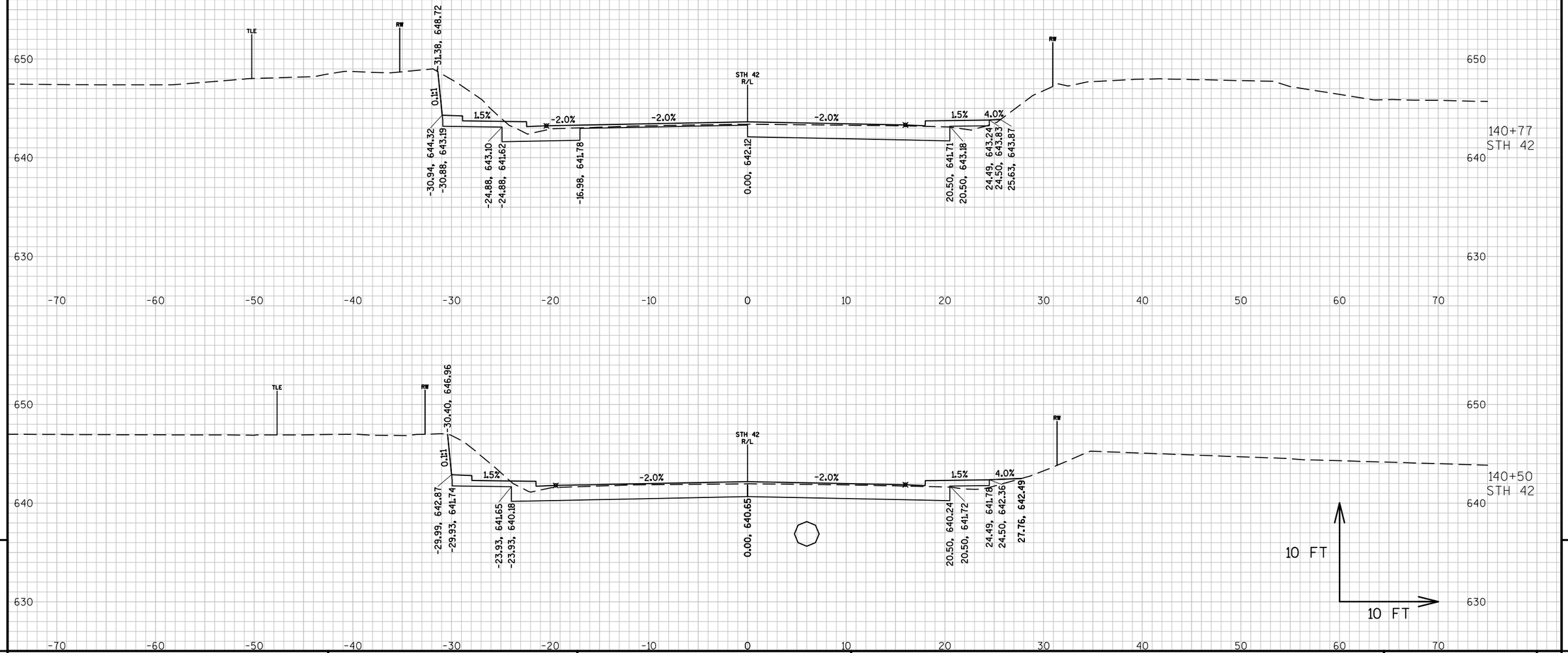


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 523	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902016-XS

PLOT DATE : 10/11/2018 9:18 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

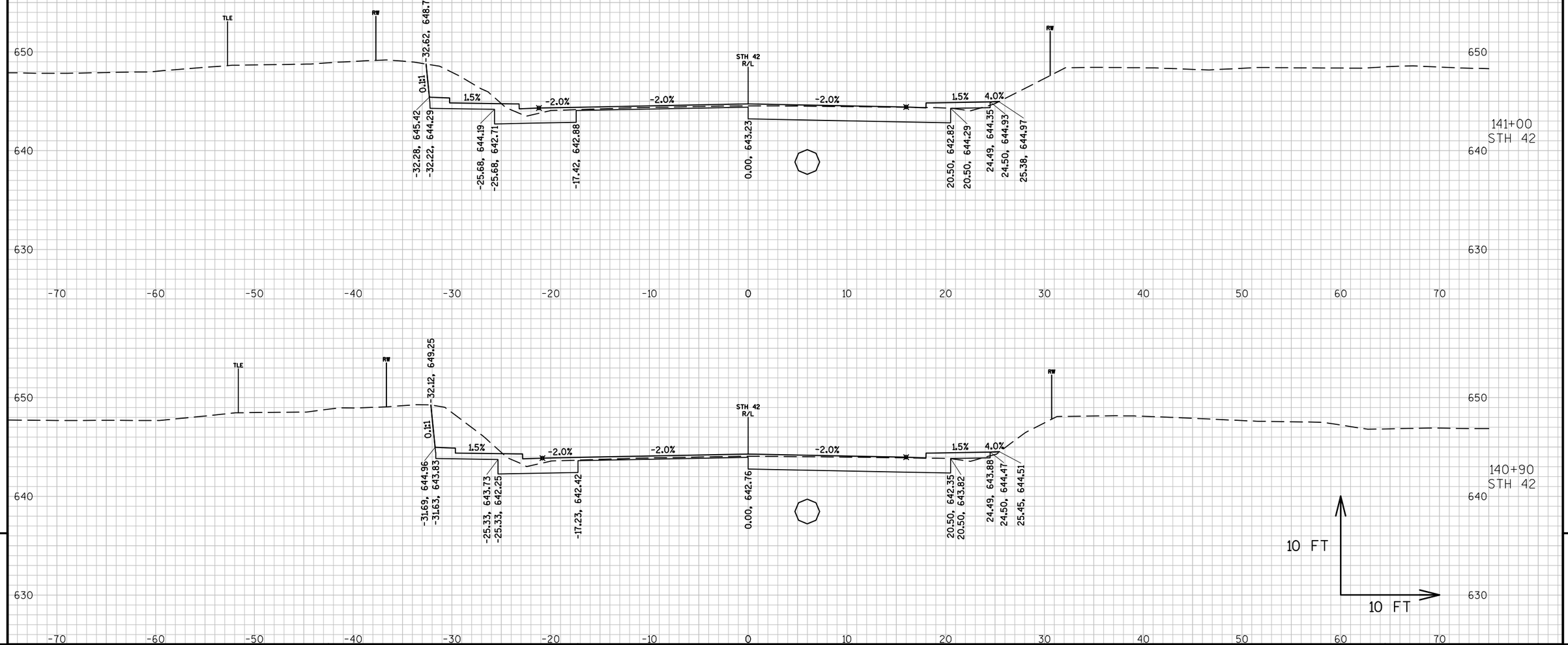


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 524	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902017-XS

PLOT DATE : 10/11/2018 9:20 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



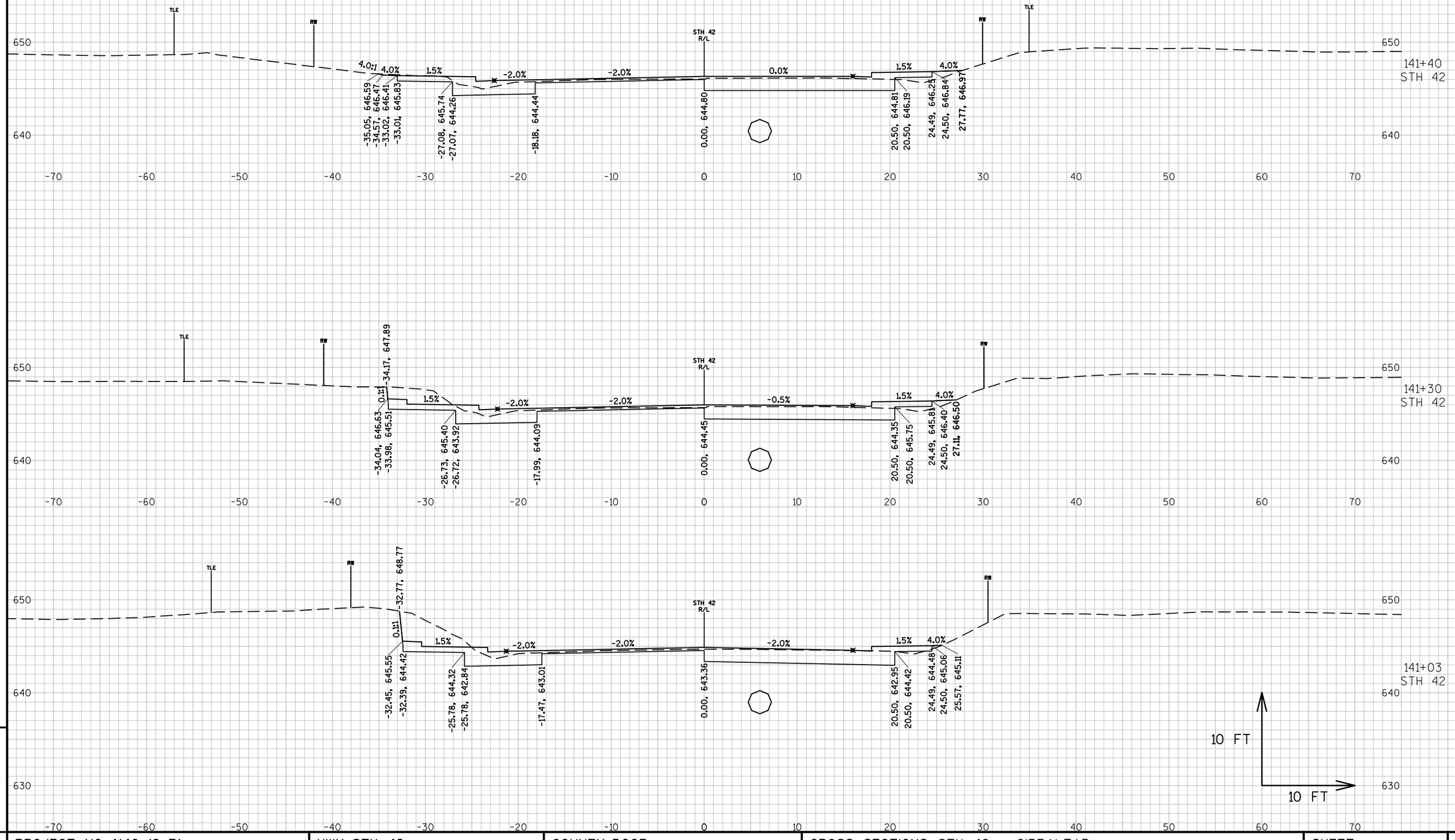
9

9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 525	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902018-XS

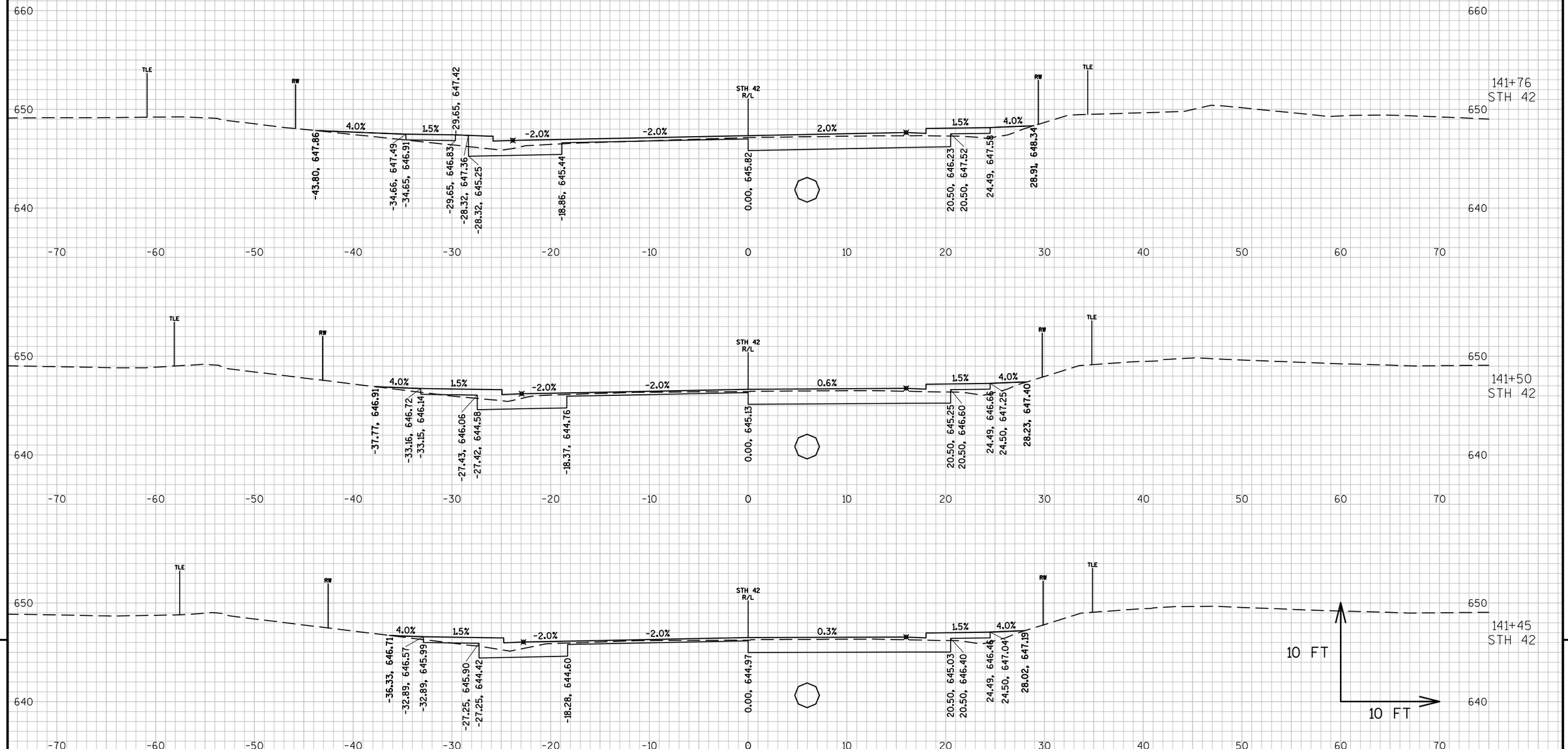
PLOT DATE : 10/11/2018 9:22 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



9

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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 526	E



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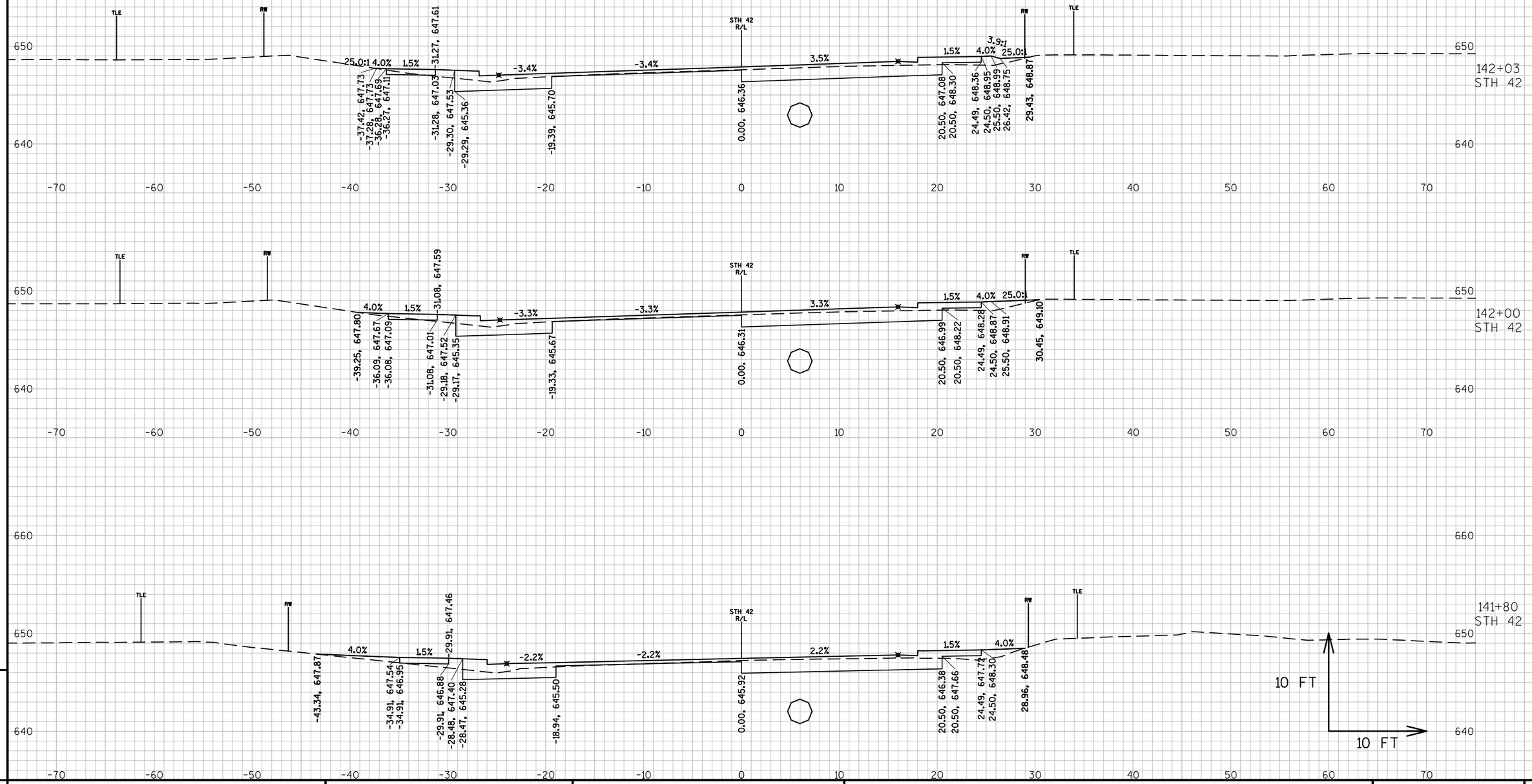
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 527	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902020-XS

PLOT DATE : 10/11/2018 9:25 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

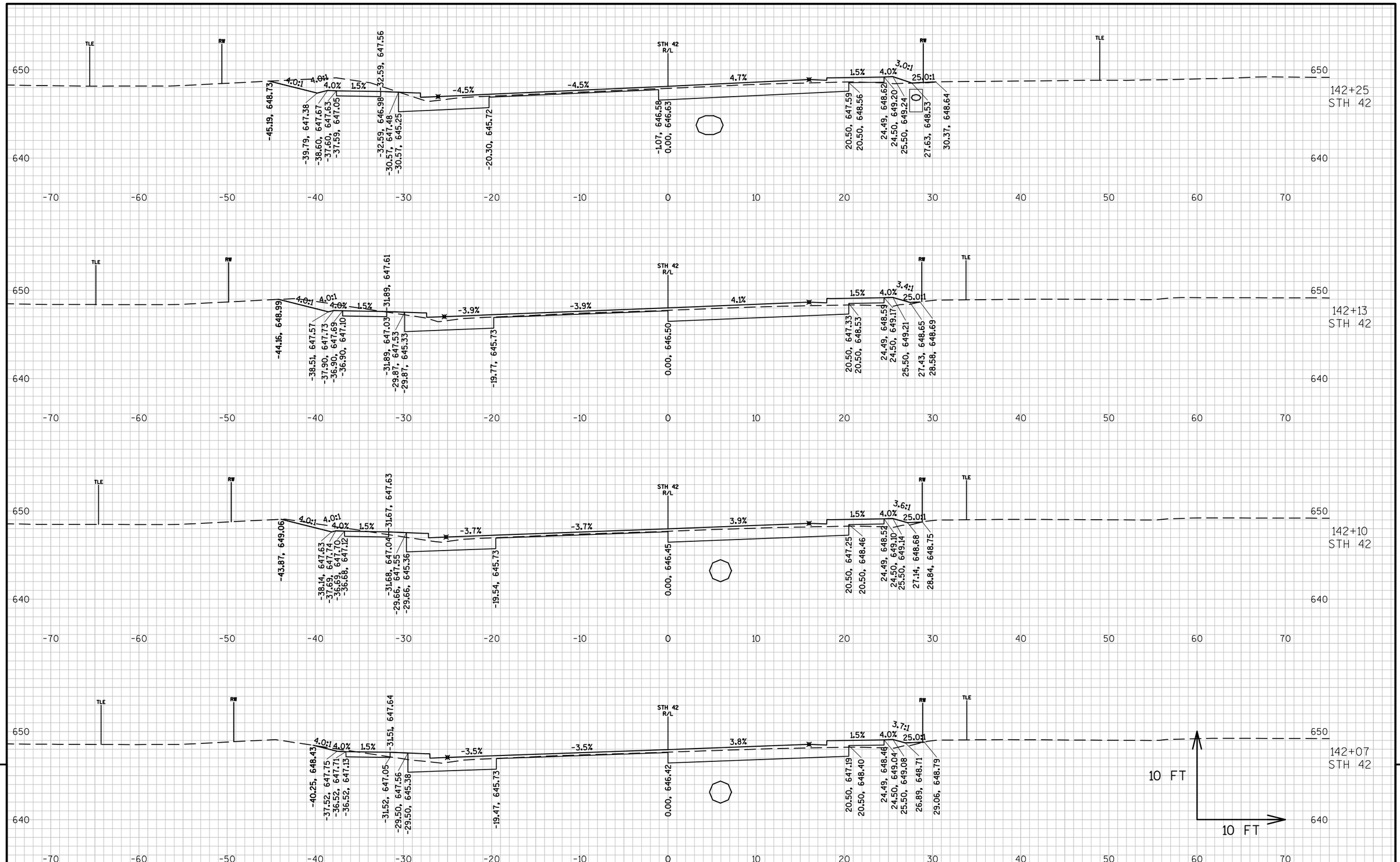


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 528	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902021-XS

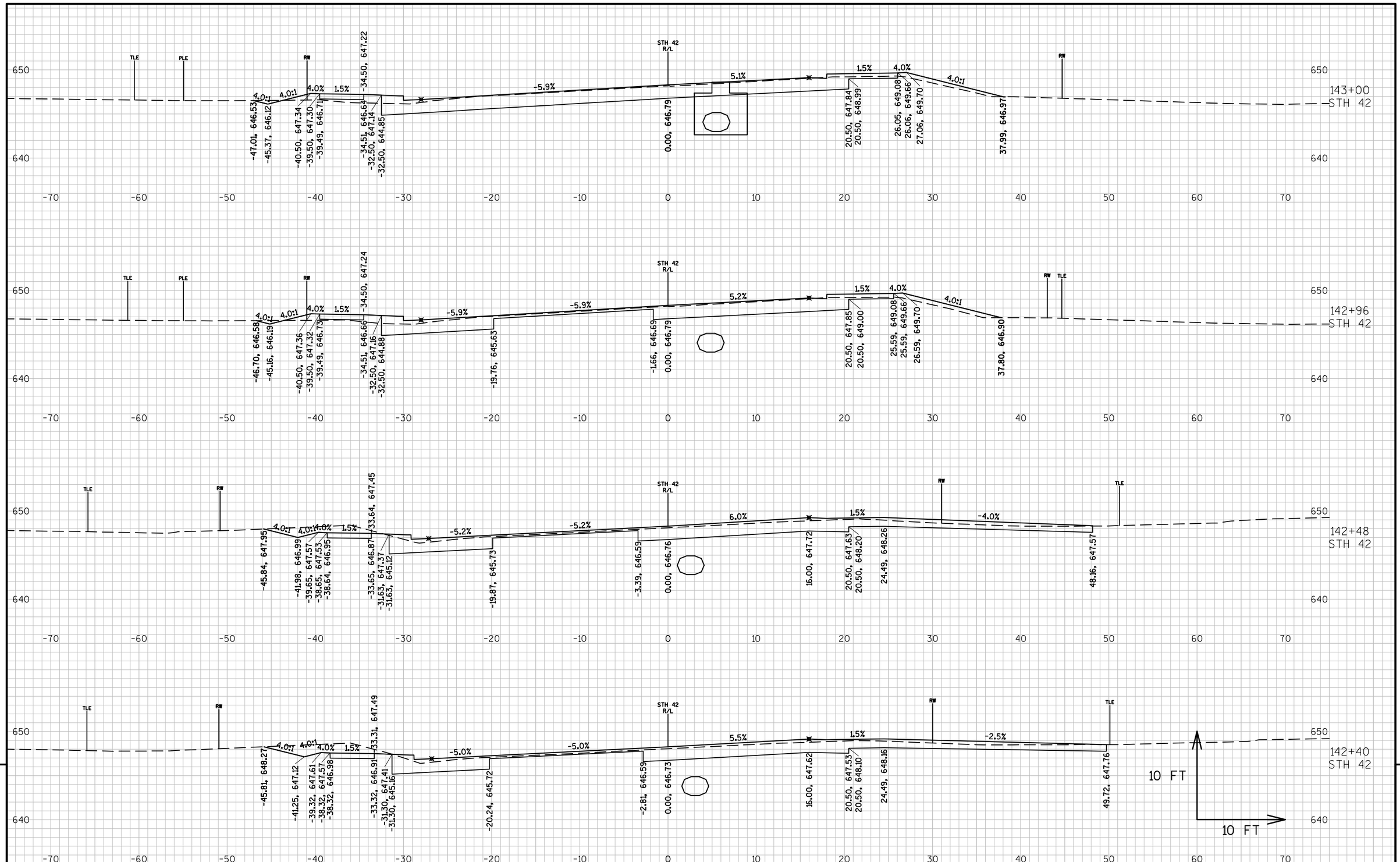
PLOT DATE : 10/11/2018 9:27 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 529 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902022-XS
PLOT DATE : 10/11/2018 9:28 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 530 E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902023-XS

PLOT DATE : 10/11/2018 9:31 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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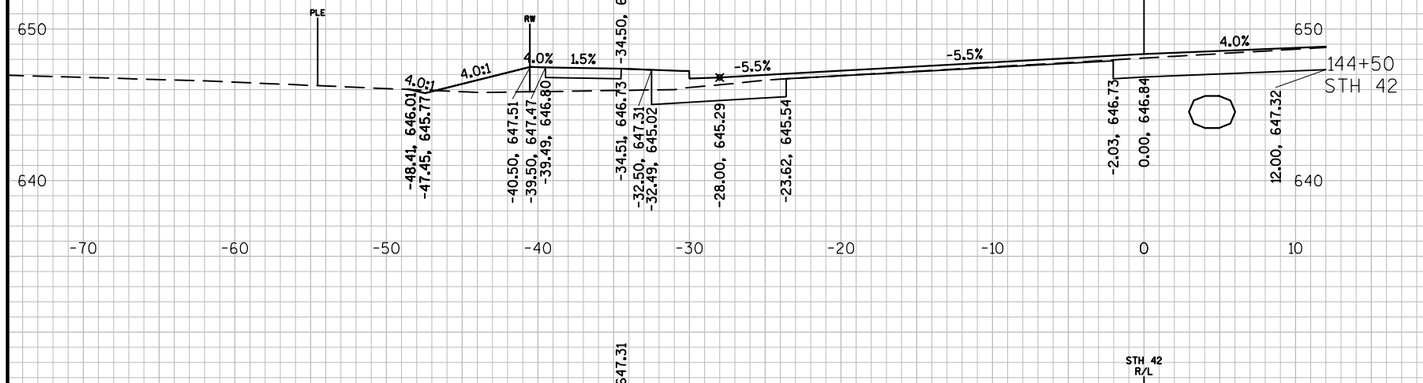
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 531	E

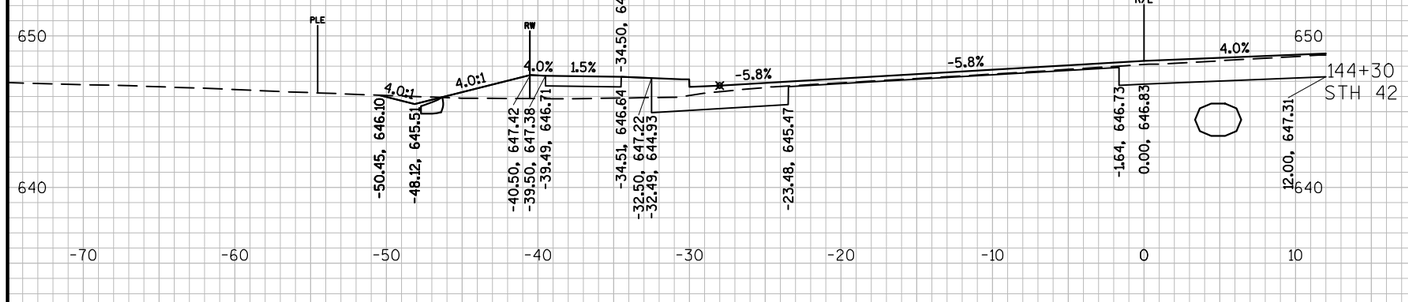
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902024-XS

PLOT DATE : 10/11/2018 9:33 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

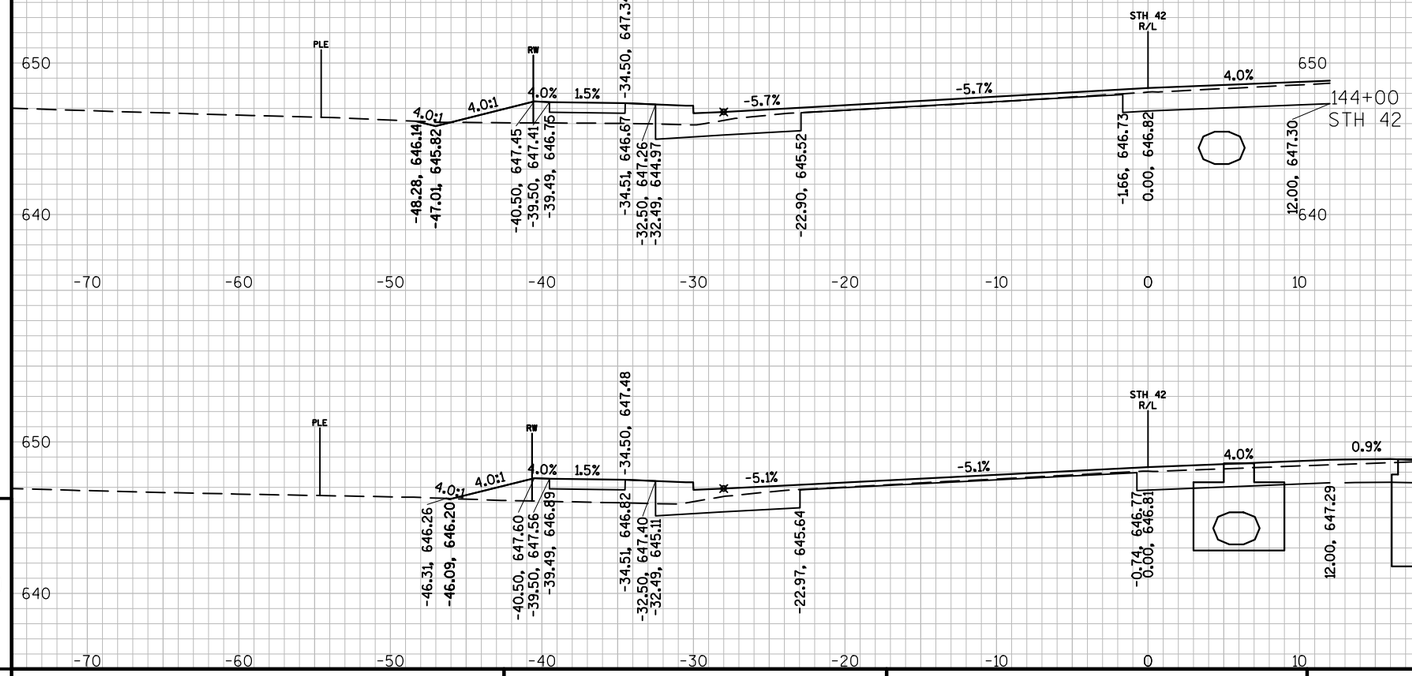
WISDOT/CADDS SHEET 49



CTH F



CTH F



CTH F

9

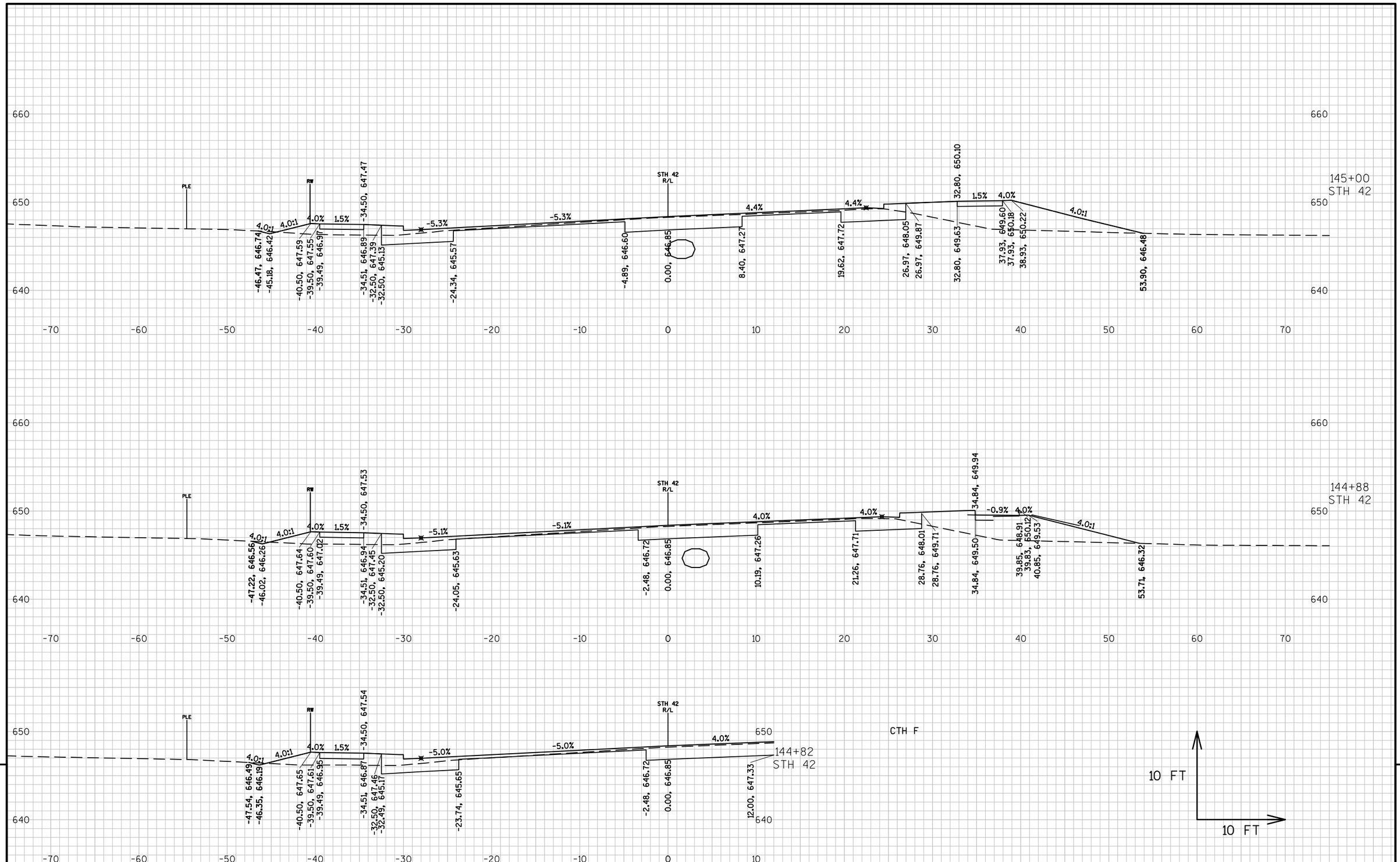
9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 532	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902025-XS

PLOT DATE : 10/11/2018 9:35 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

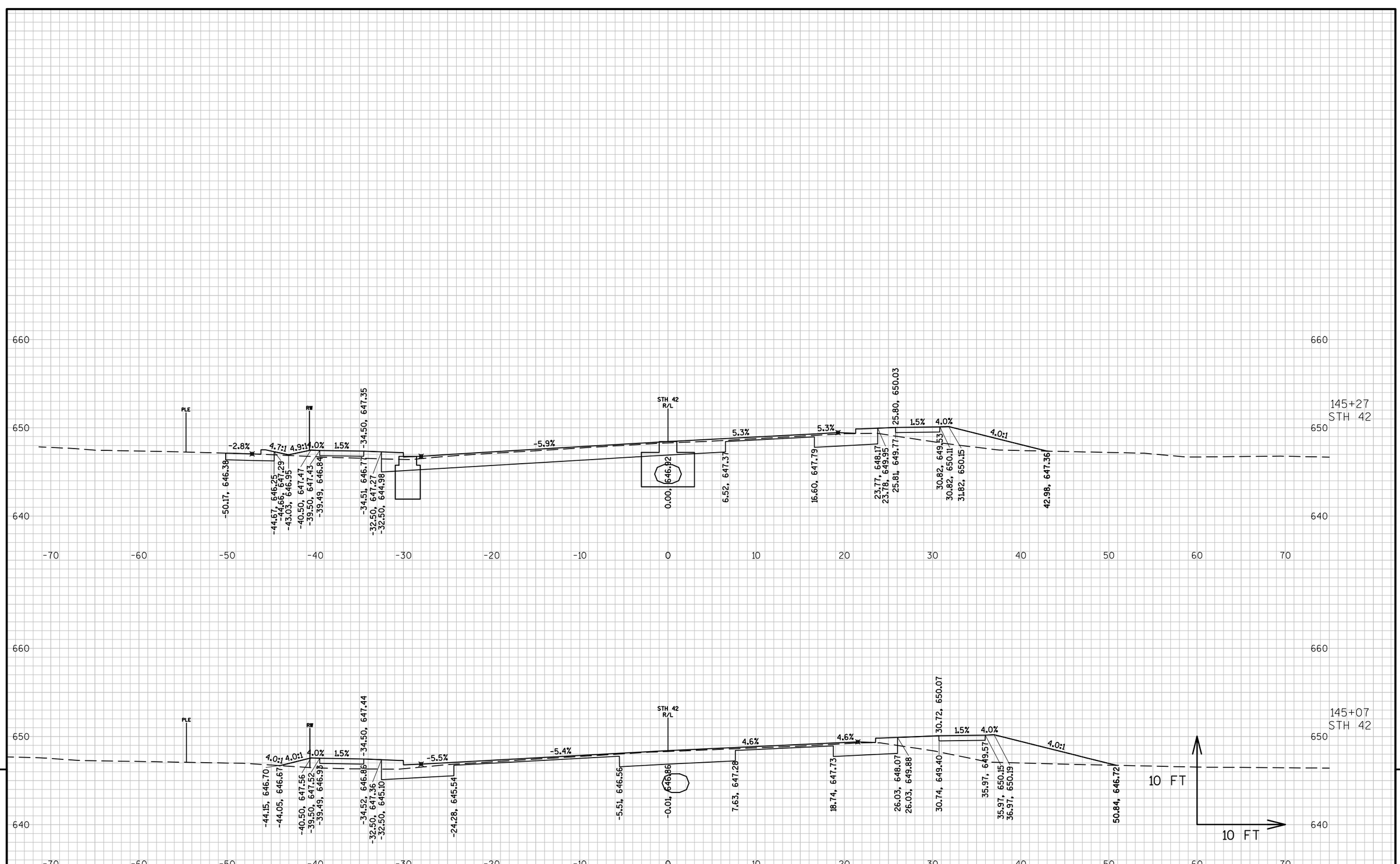
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 533	E



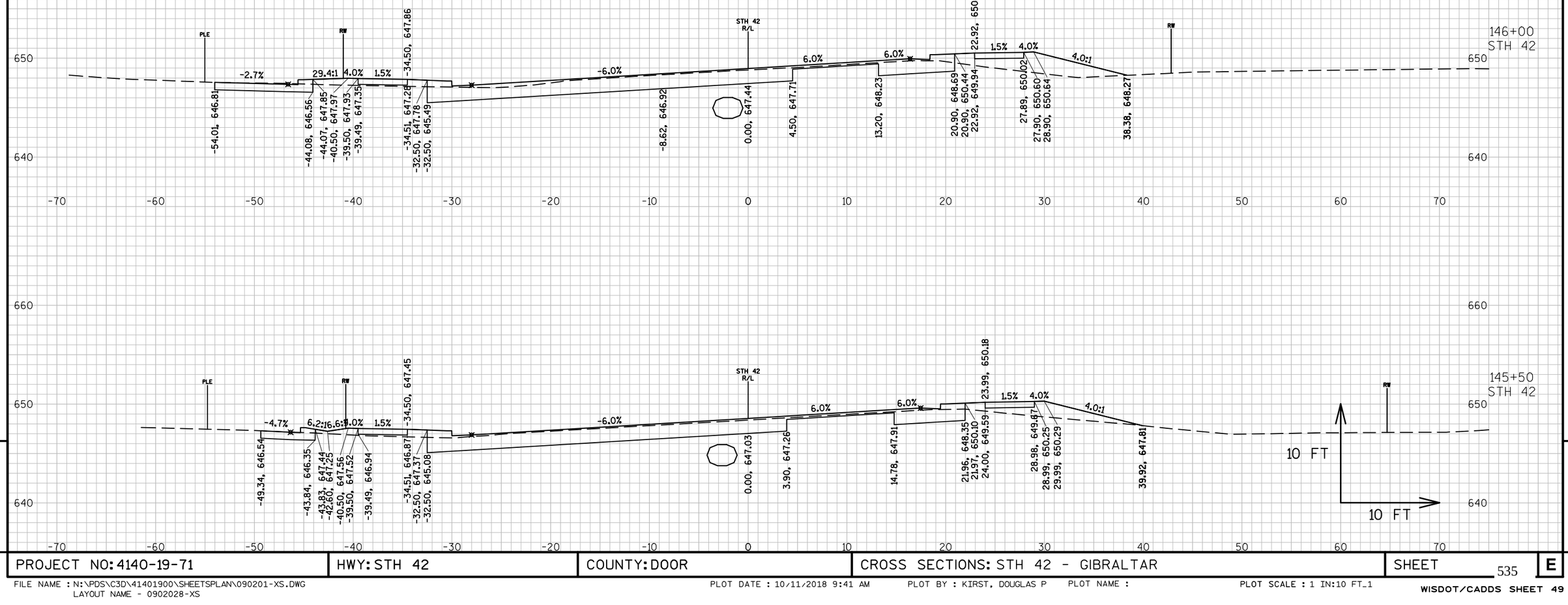
9

9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 534	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902027-XS

PLOT DATE : 10/11/2018 9:38 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

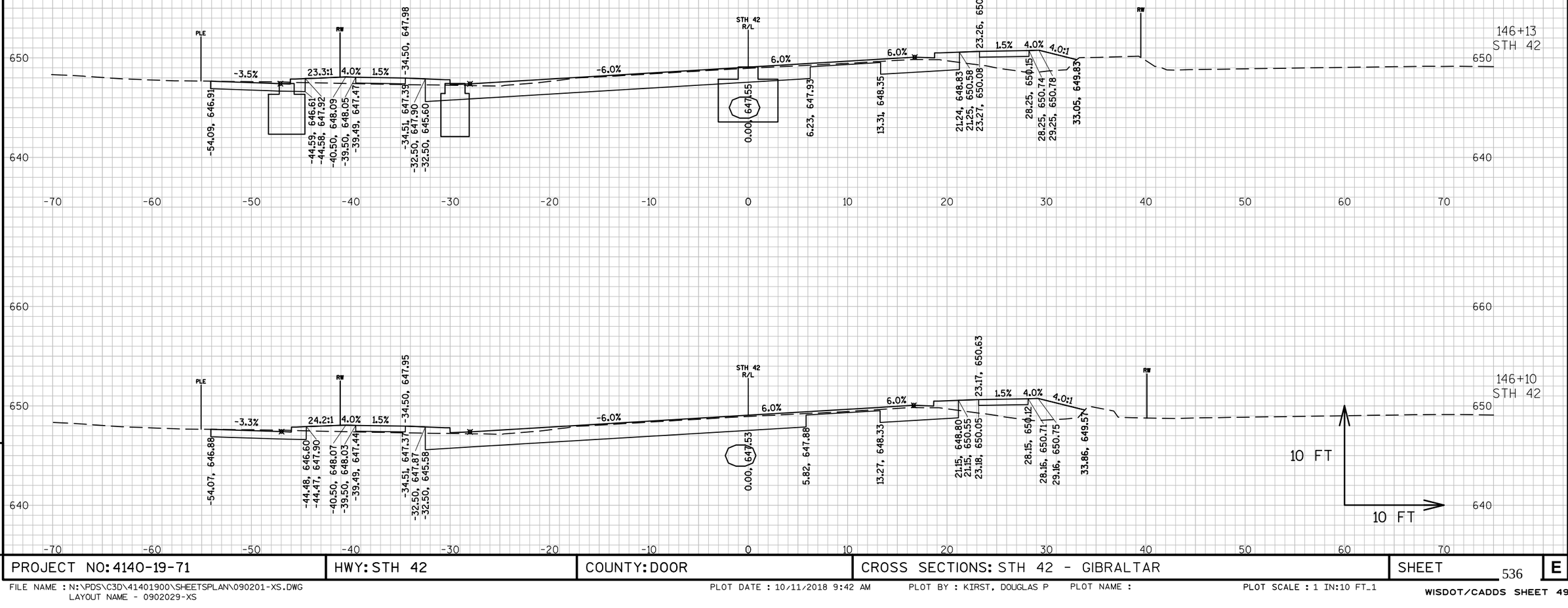


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 535	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902028-XS

PLOT DATE : 10/11/2018 9:41 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

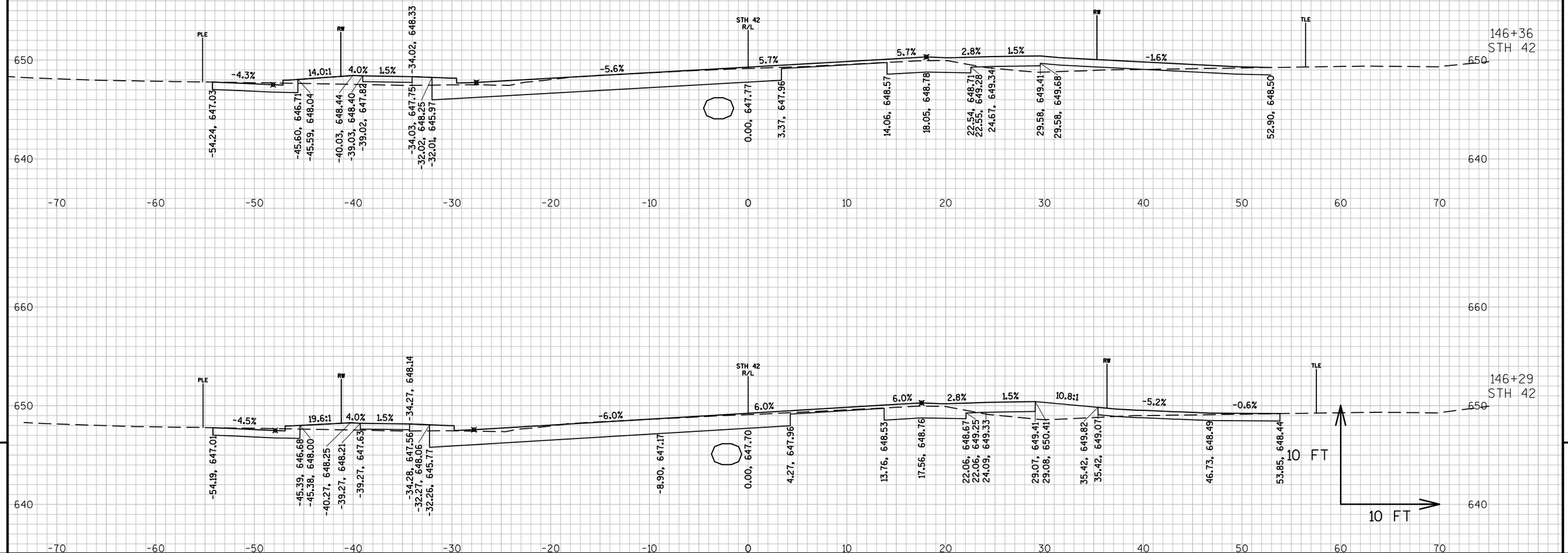


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 536	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902029-XS

PLOT DATE : 10/11/2018 9:42 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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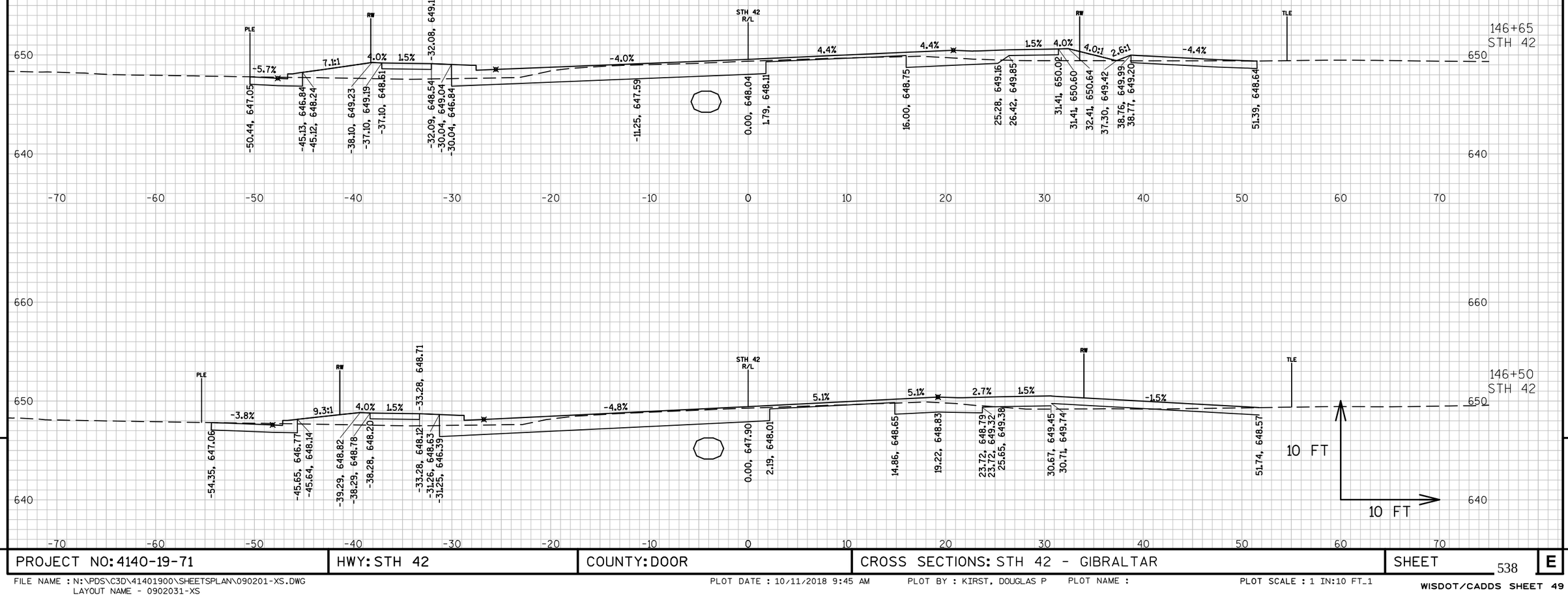
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 537	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902030-XS

PLOT DATE : 10/11/2018 9:44 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

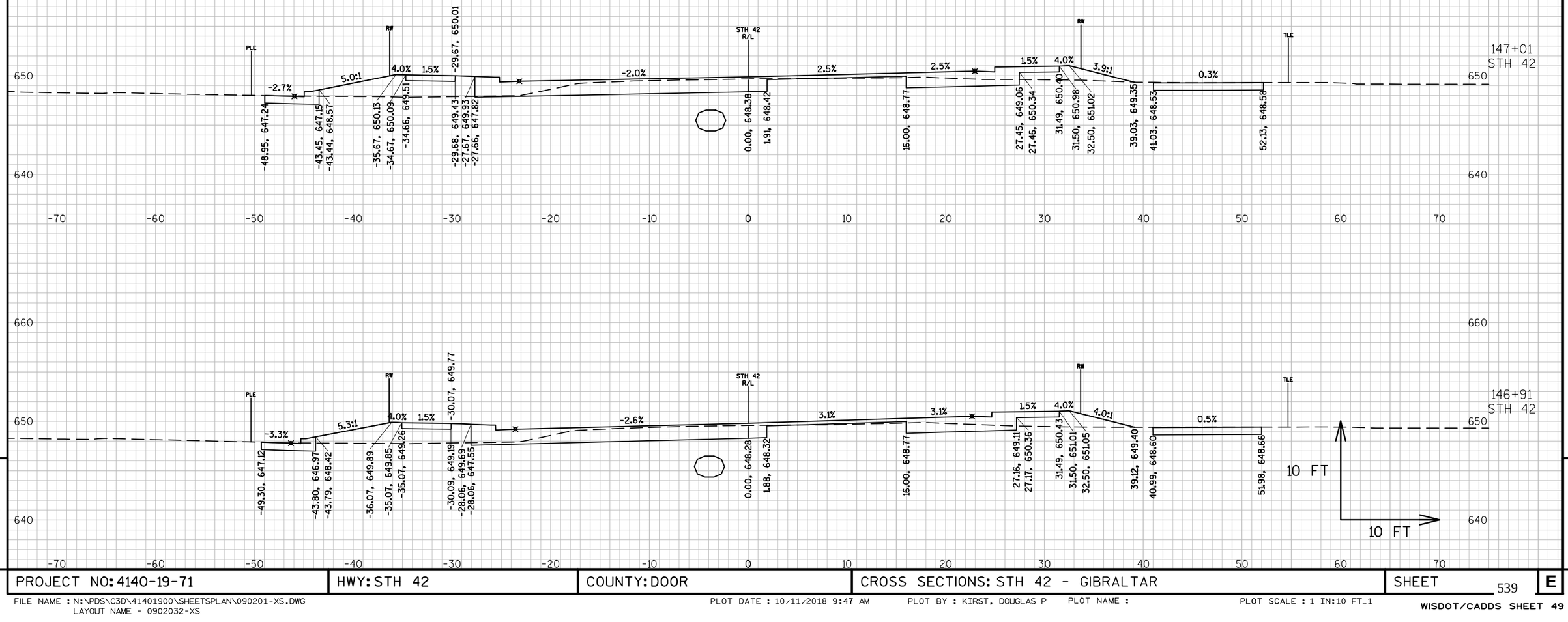
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 538	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902031-XS

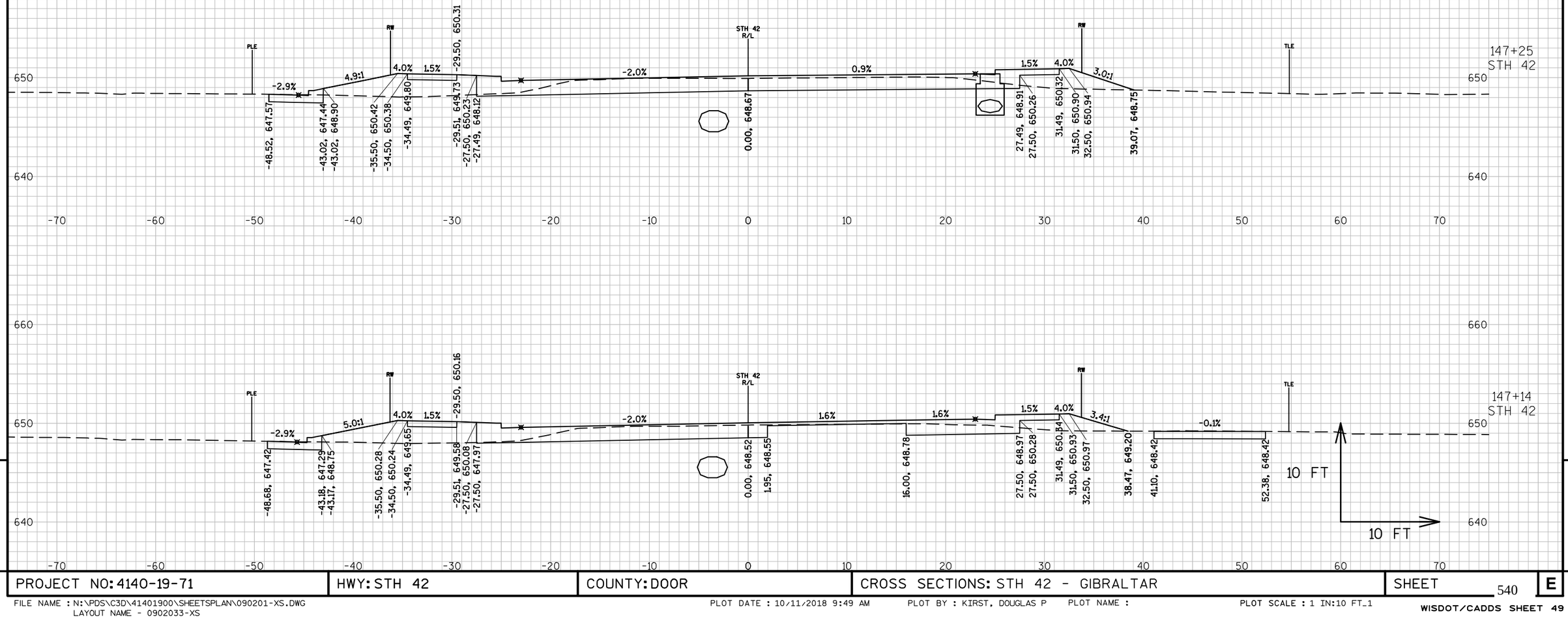
PLOT DATE : 10/11/2018 9:45 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 539	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902032-XS

PLOT DATE : 10/11/2018 9:47 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

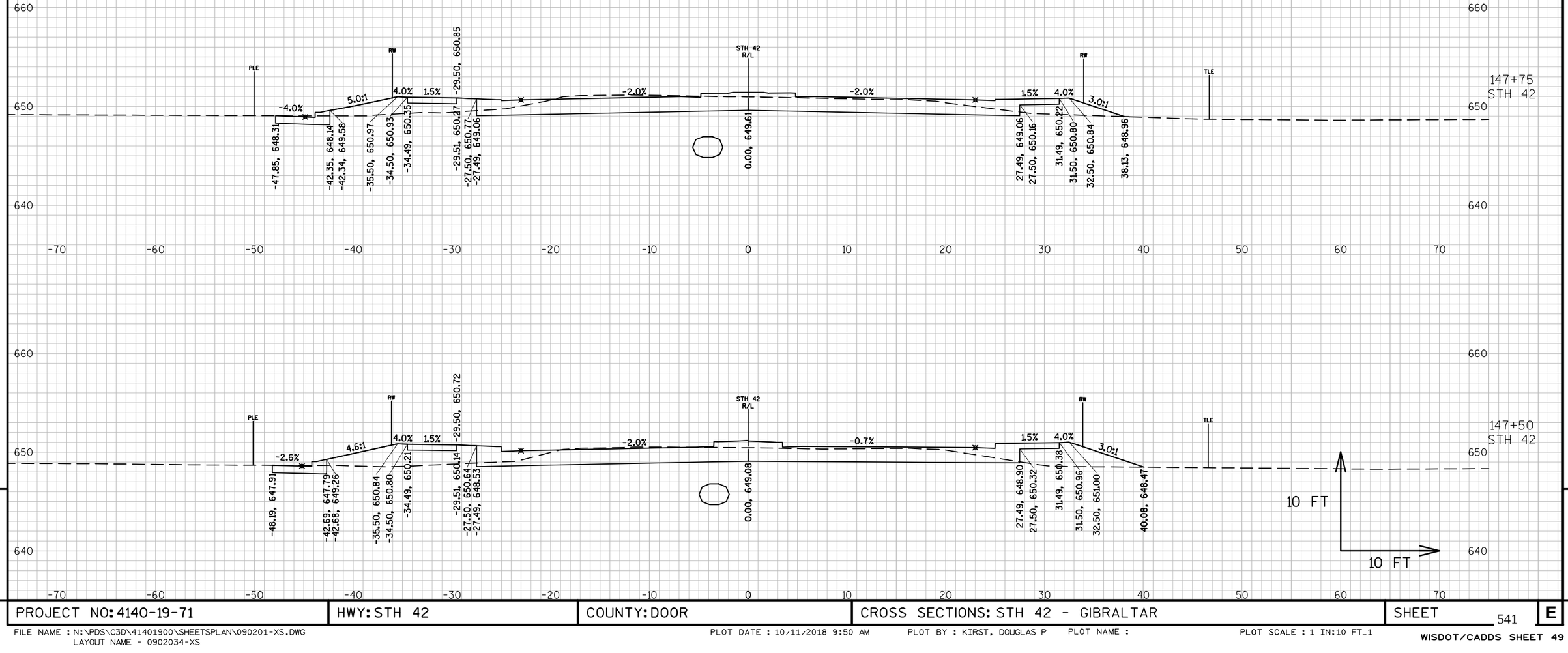


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 540	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902033-XS

PLOT DATE : 10/11/2018 9:49 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



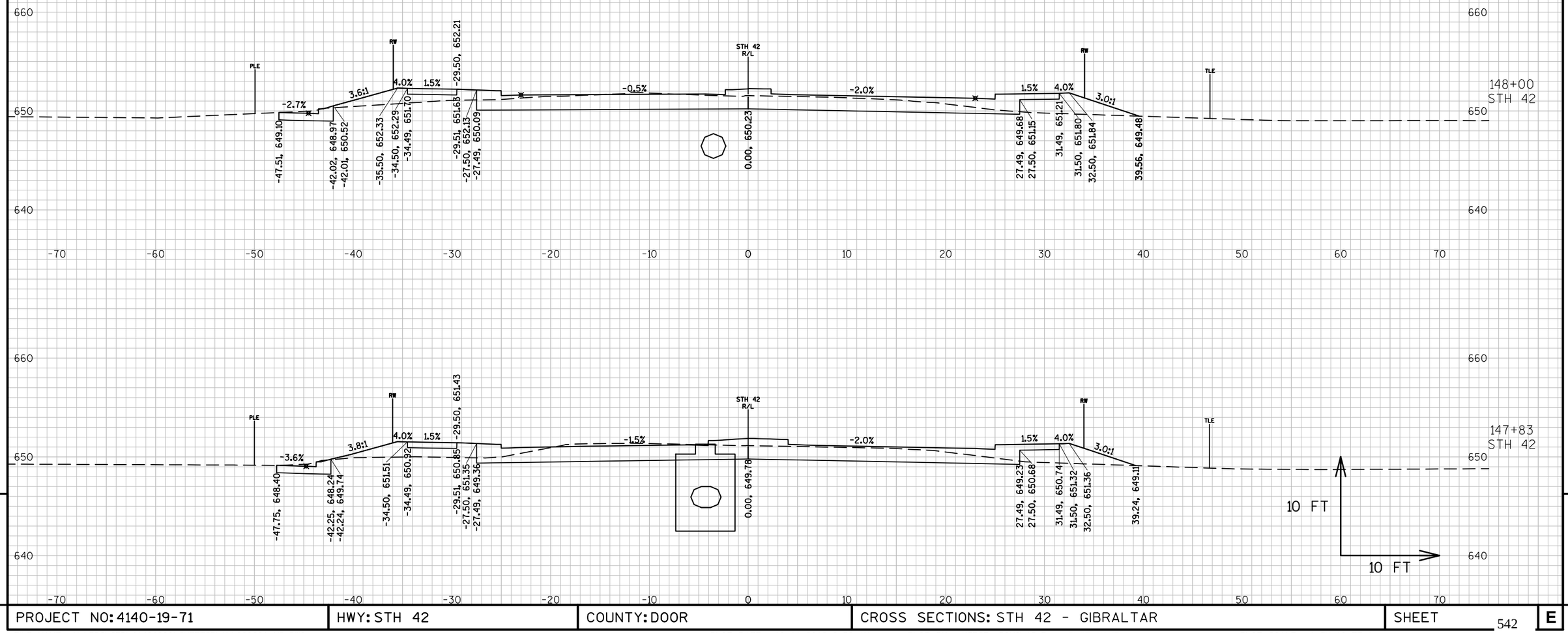
9

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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 541	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902034-XS

PLOT DATE : 10/11/2018 9:50 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

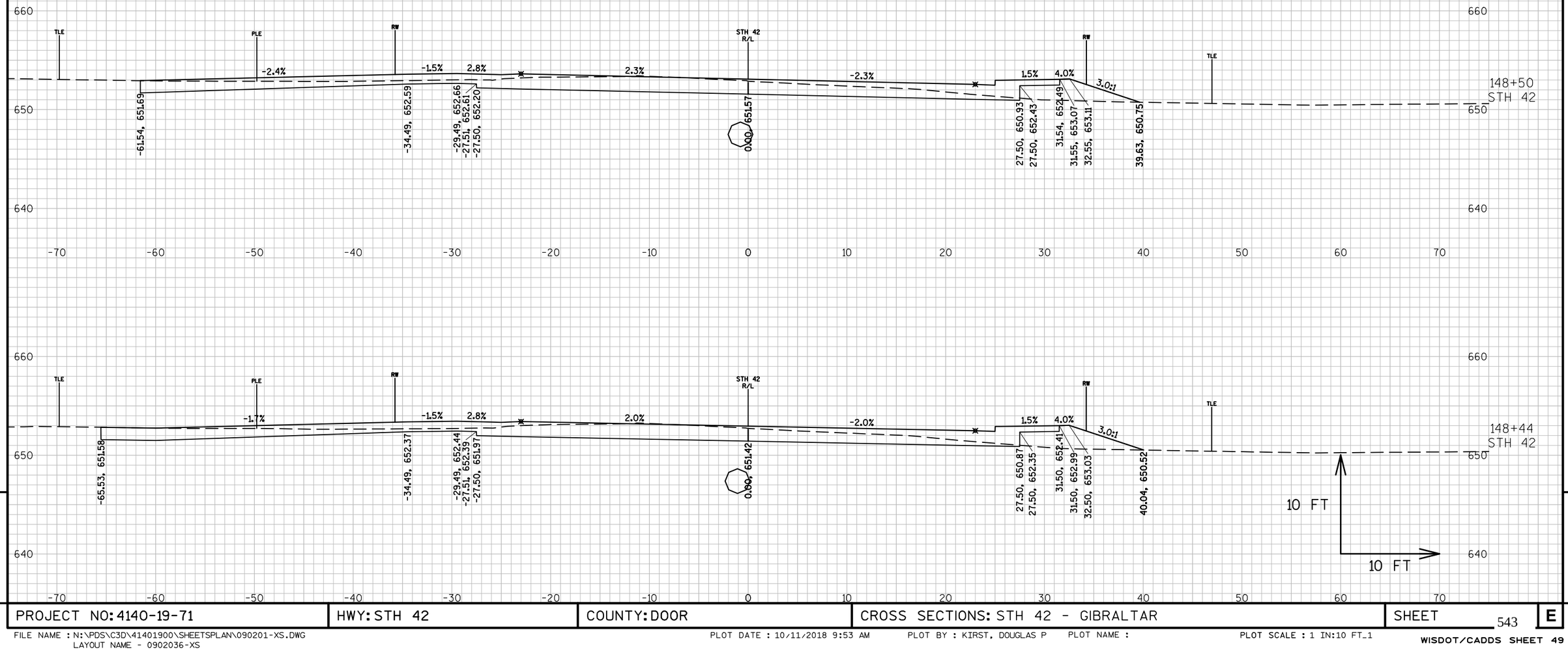


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 542	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902035-XS

PLOT DATE : 10/11/2018 9:52 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

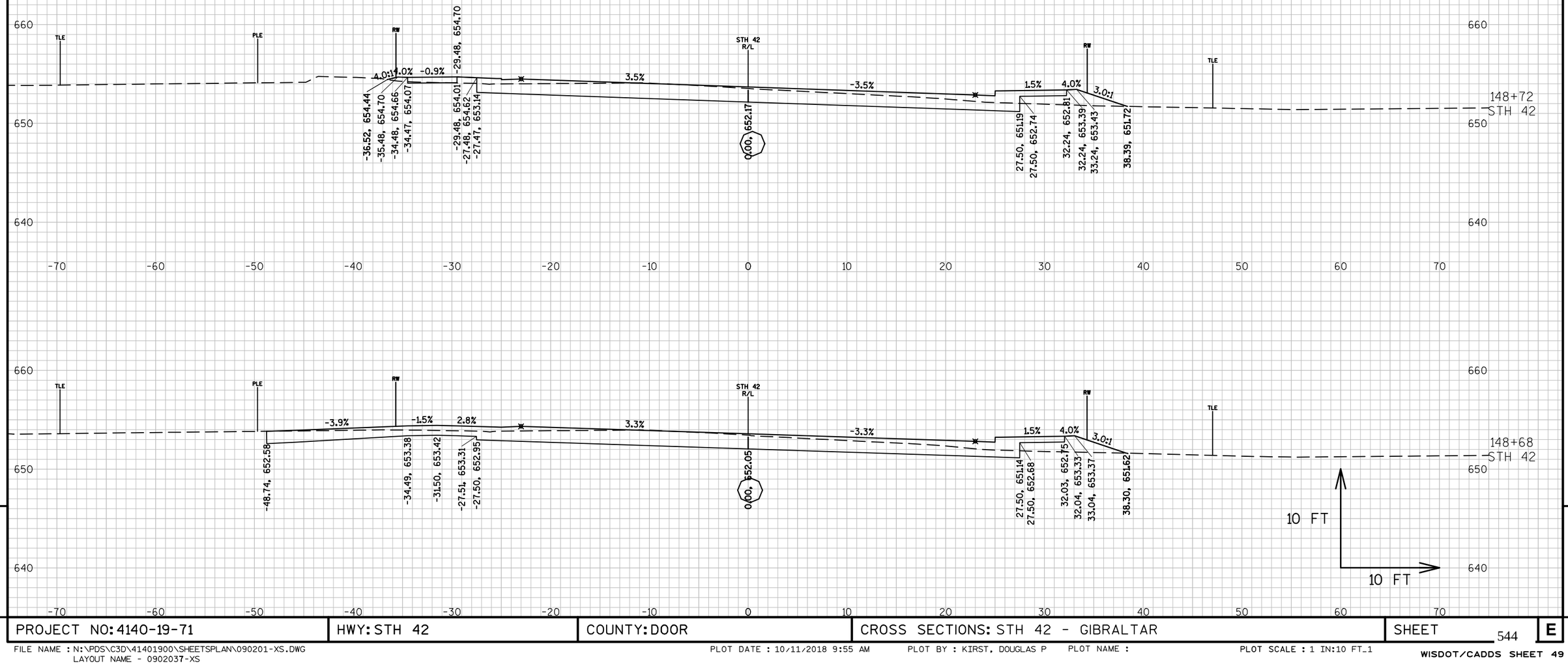


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 543	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902036-XS

PLOT DATE : 10/11/2018 9:53 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

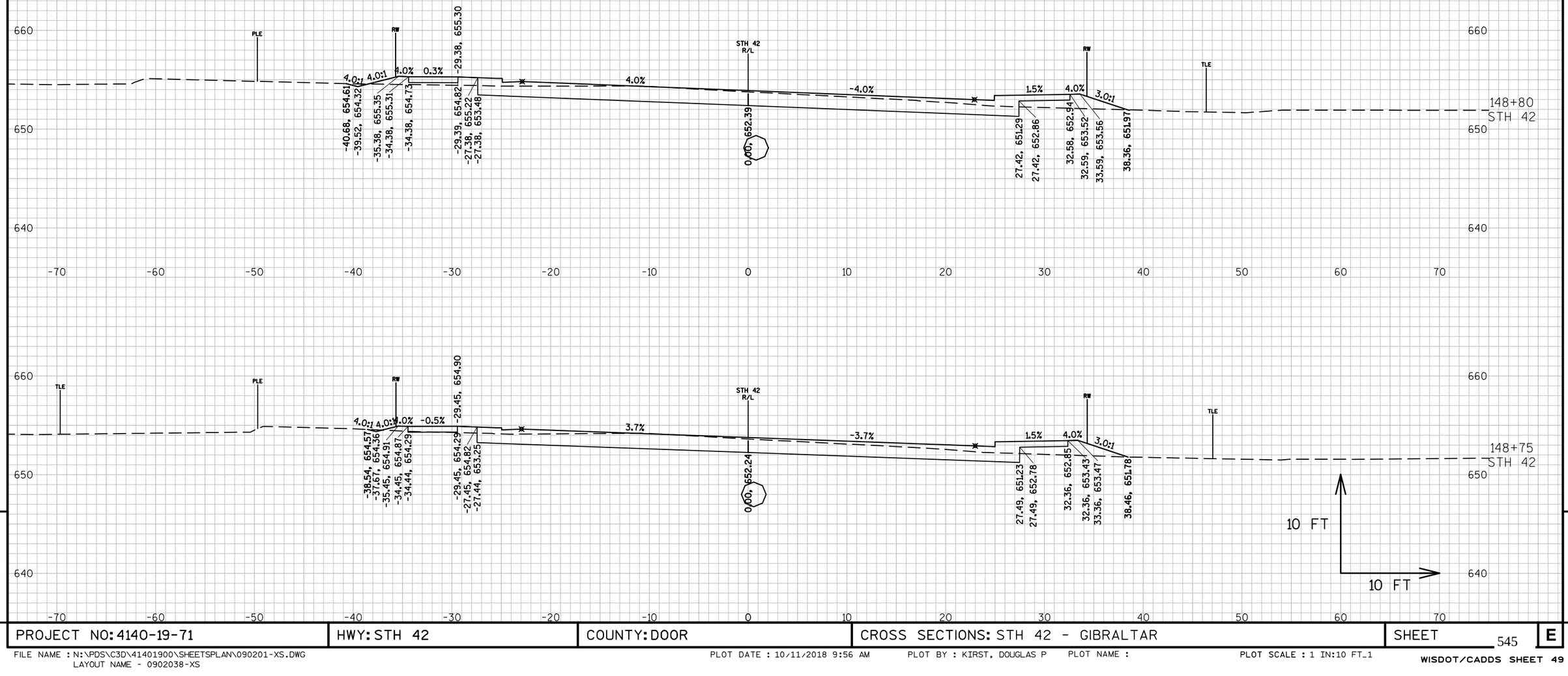


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 544	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902037-XS

PLOT DATE : 10/11/2018 9:55 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

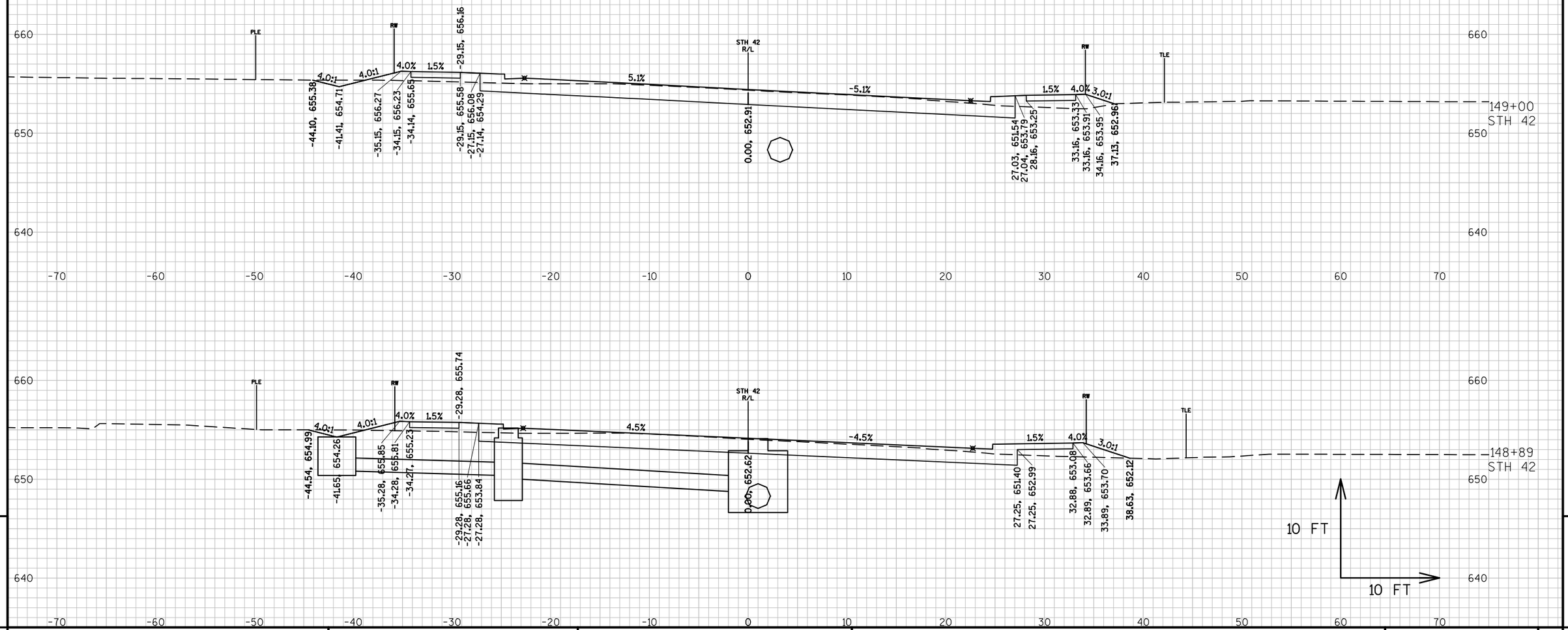


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 545	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902038-XS

PLOT DATE : 10/11/2018 9:56 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

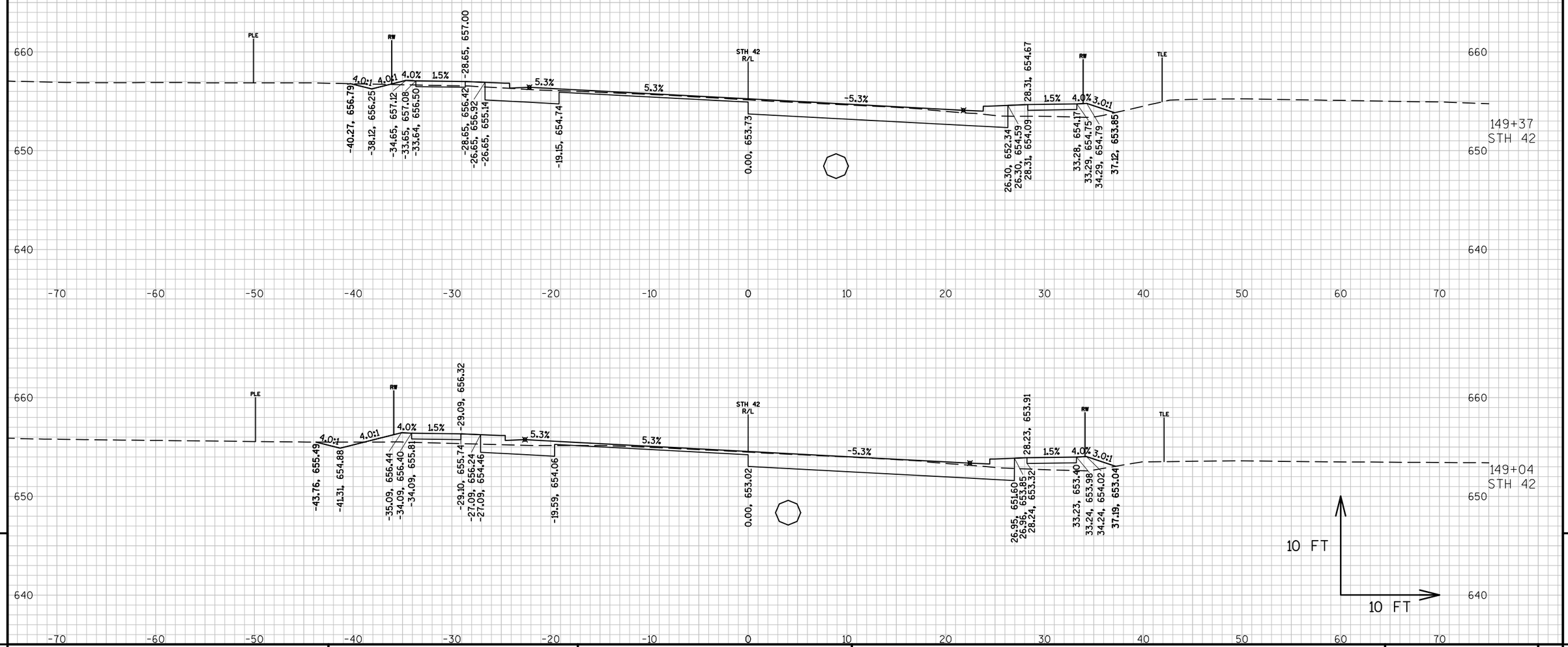


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 546	E

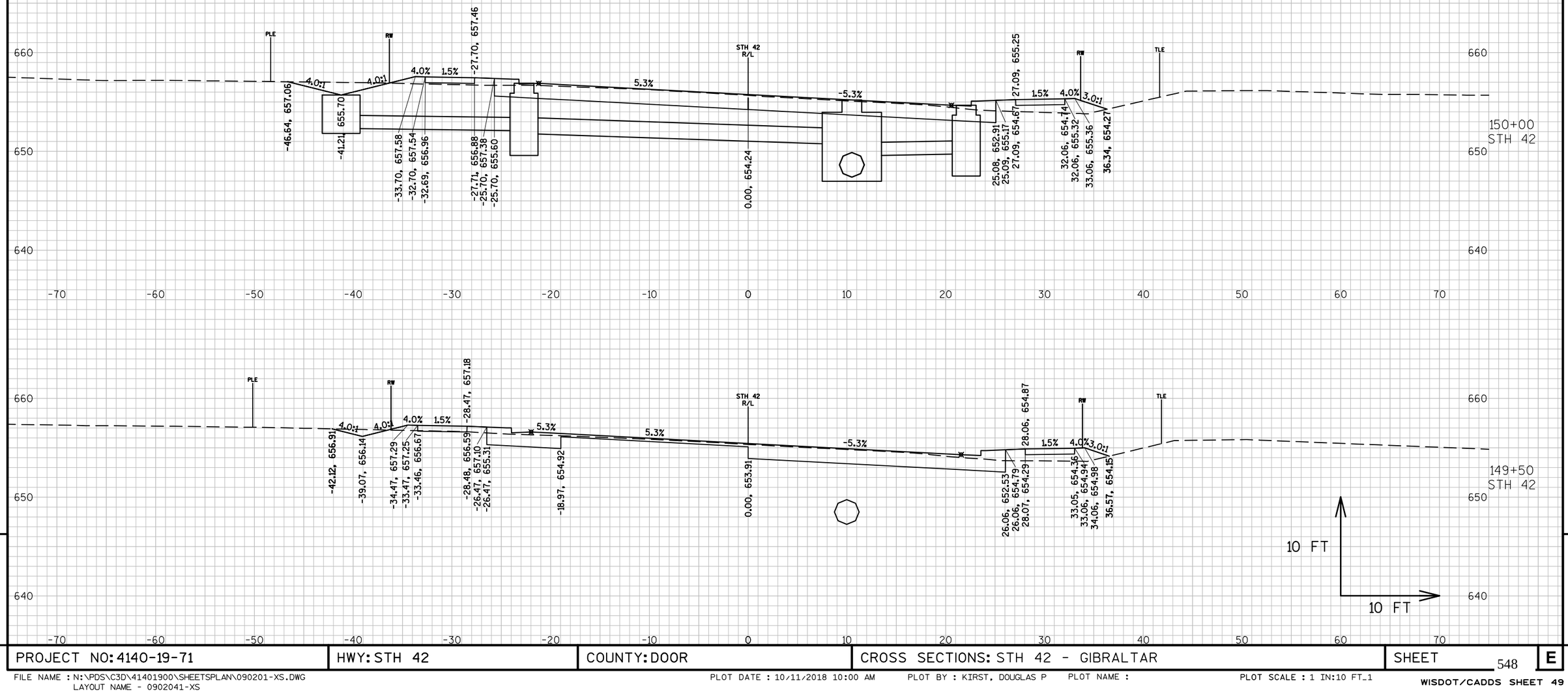
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902039-XS

PLOT DATE : 10/11/2018 9:58 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 547	E

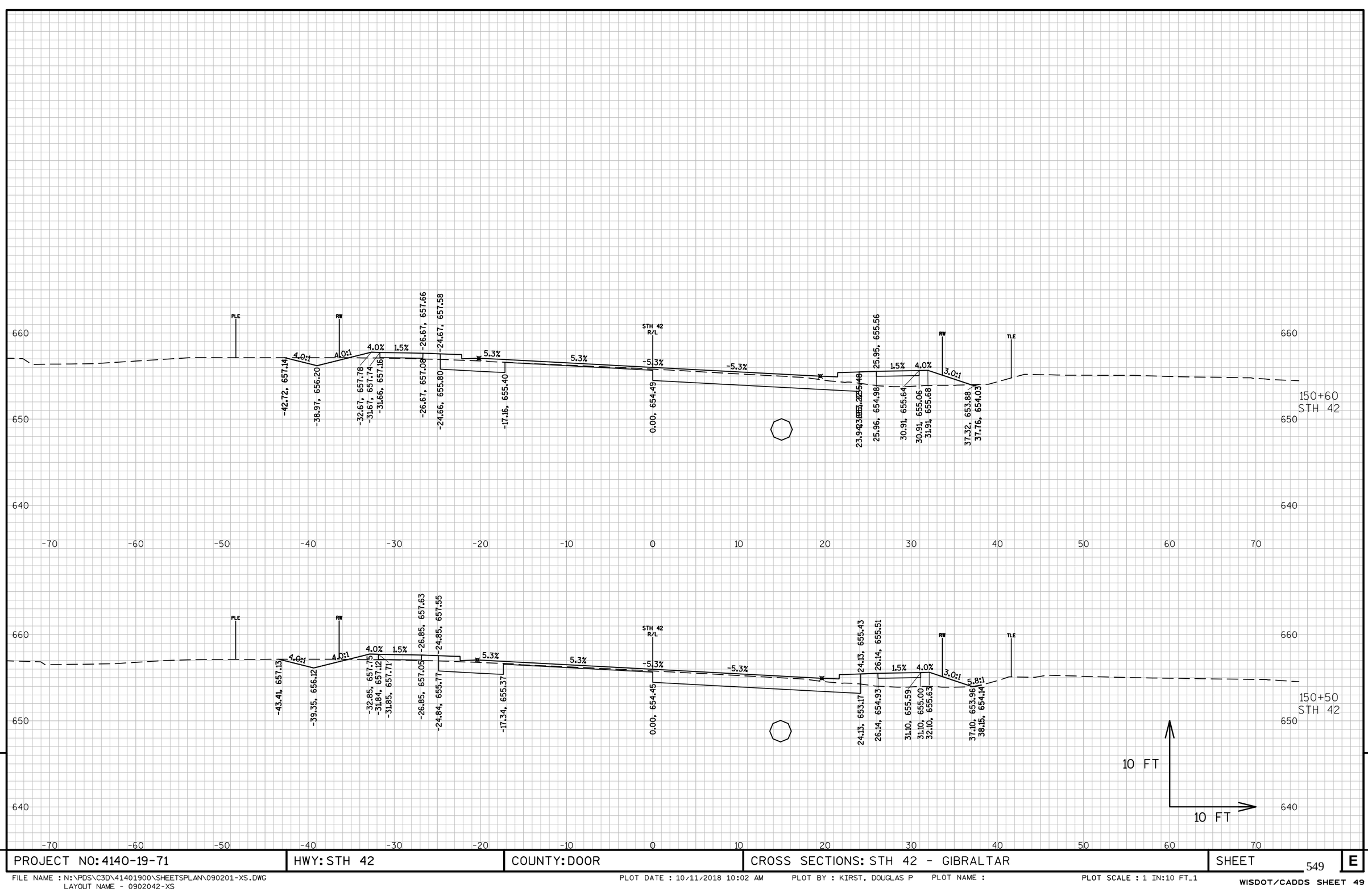


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 548	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902041-XS

PLOT DATE : 10/11/2018 10:00 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

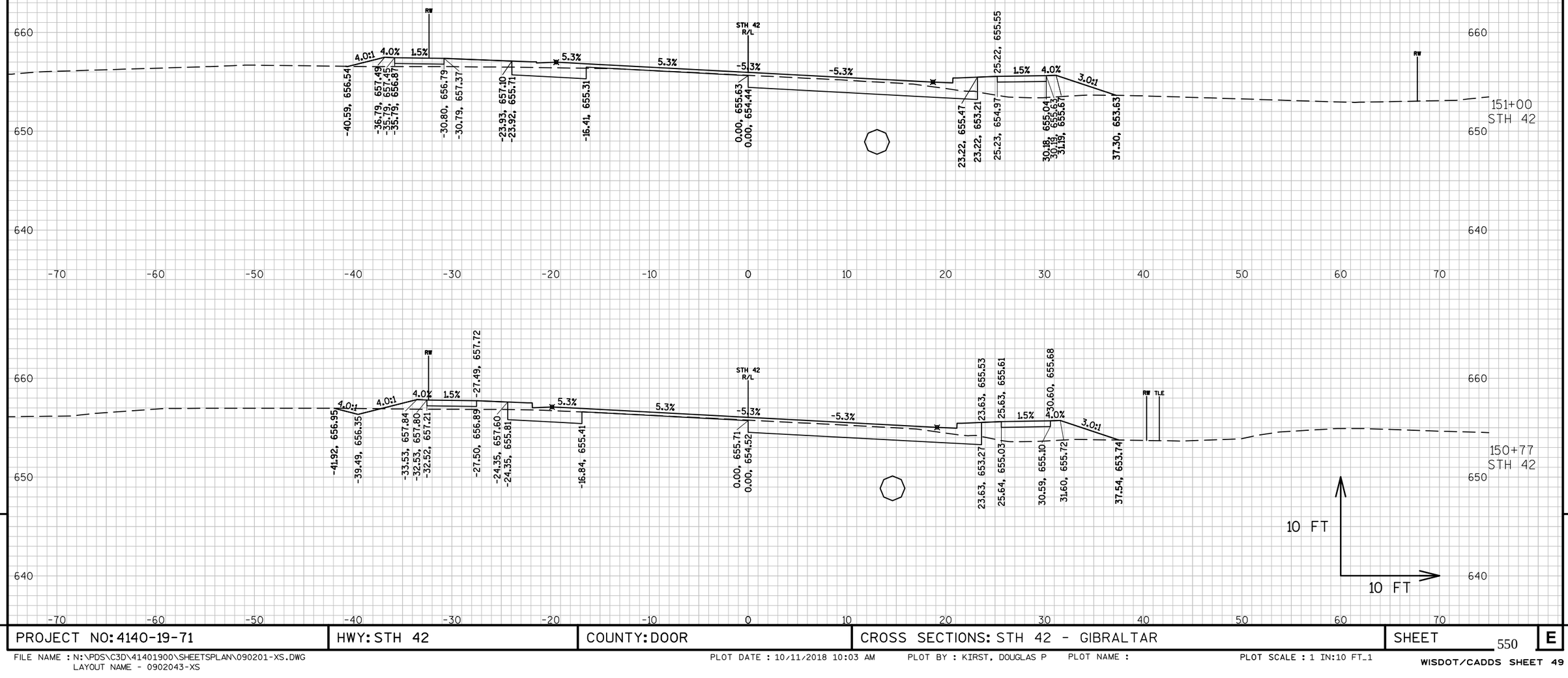


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 549	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902042-XS

PLOT DATE : 10/11/2018 10:02 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



9

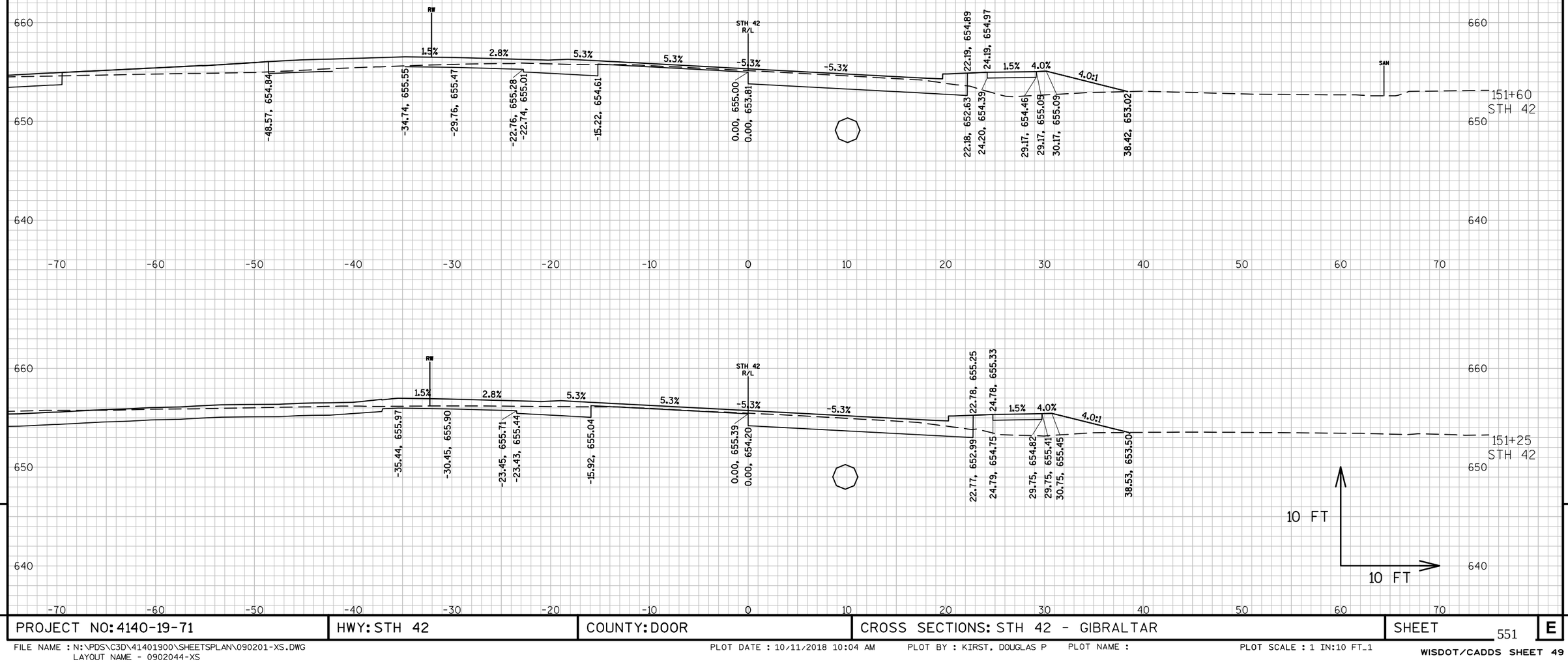
9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 550	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902043-XS

PLOT DATE : 10/11/2018 10:03 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

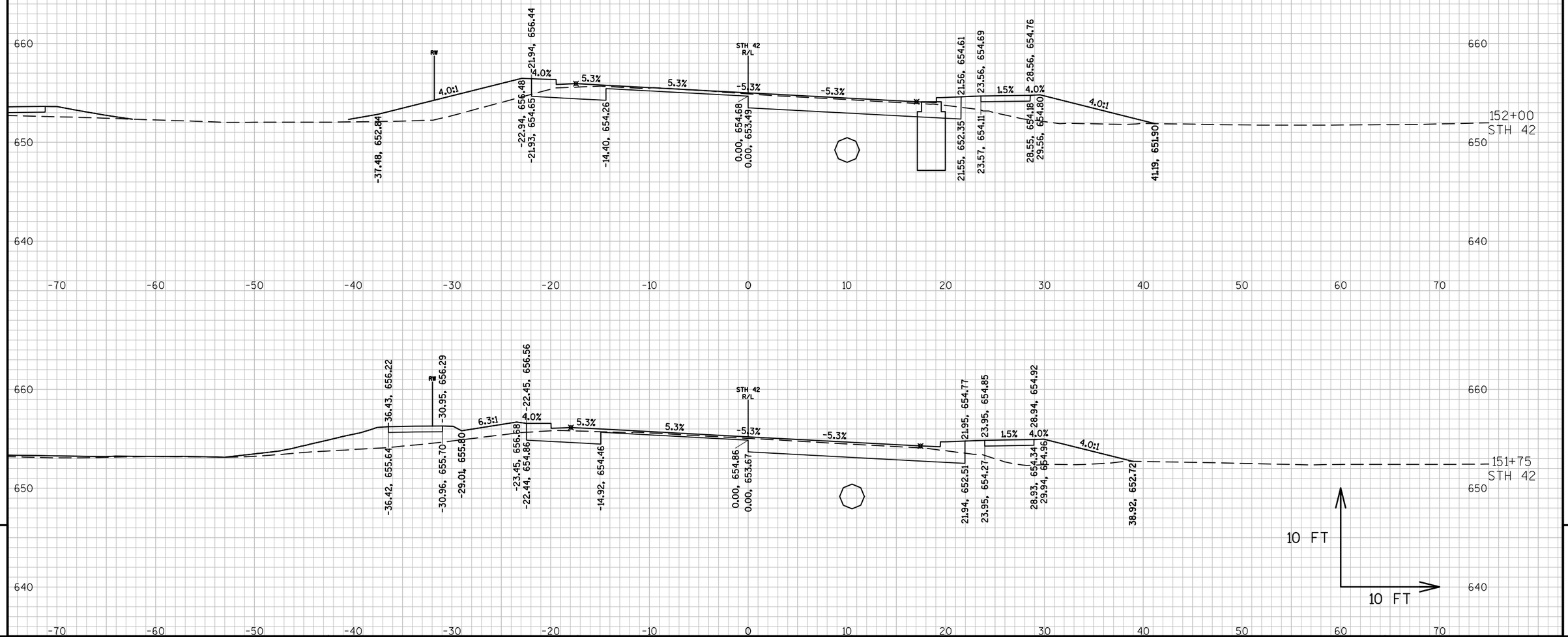
WISDOT/CADDS SHEET 49



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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 551	E

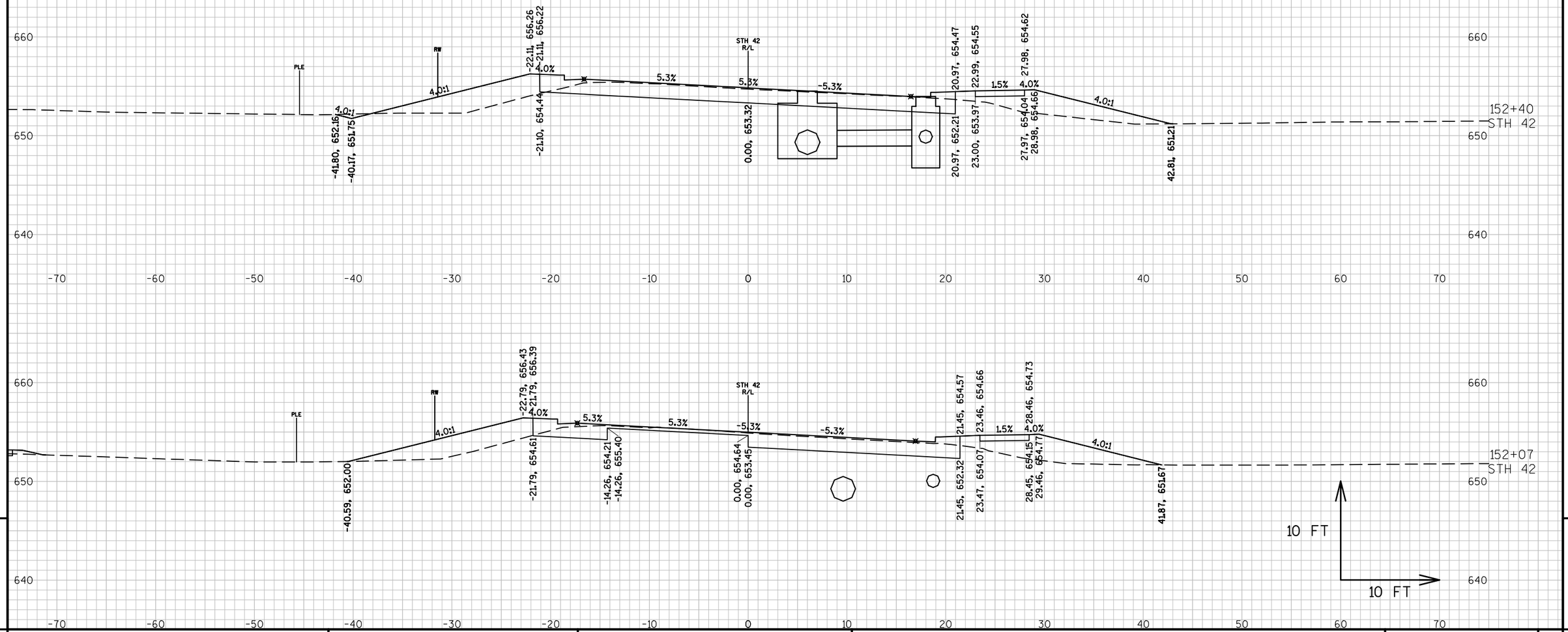


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 552	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902045-XS

PLOT DATE : 10/11/2018 10:06 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

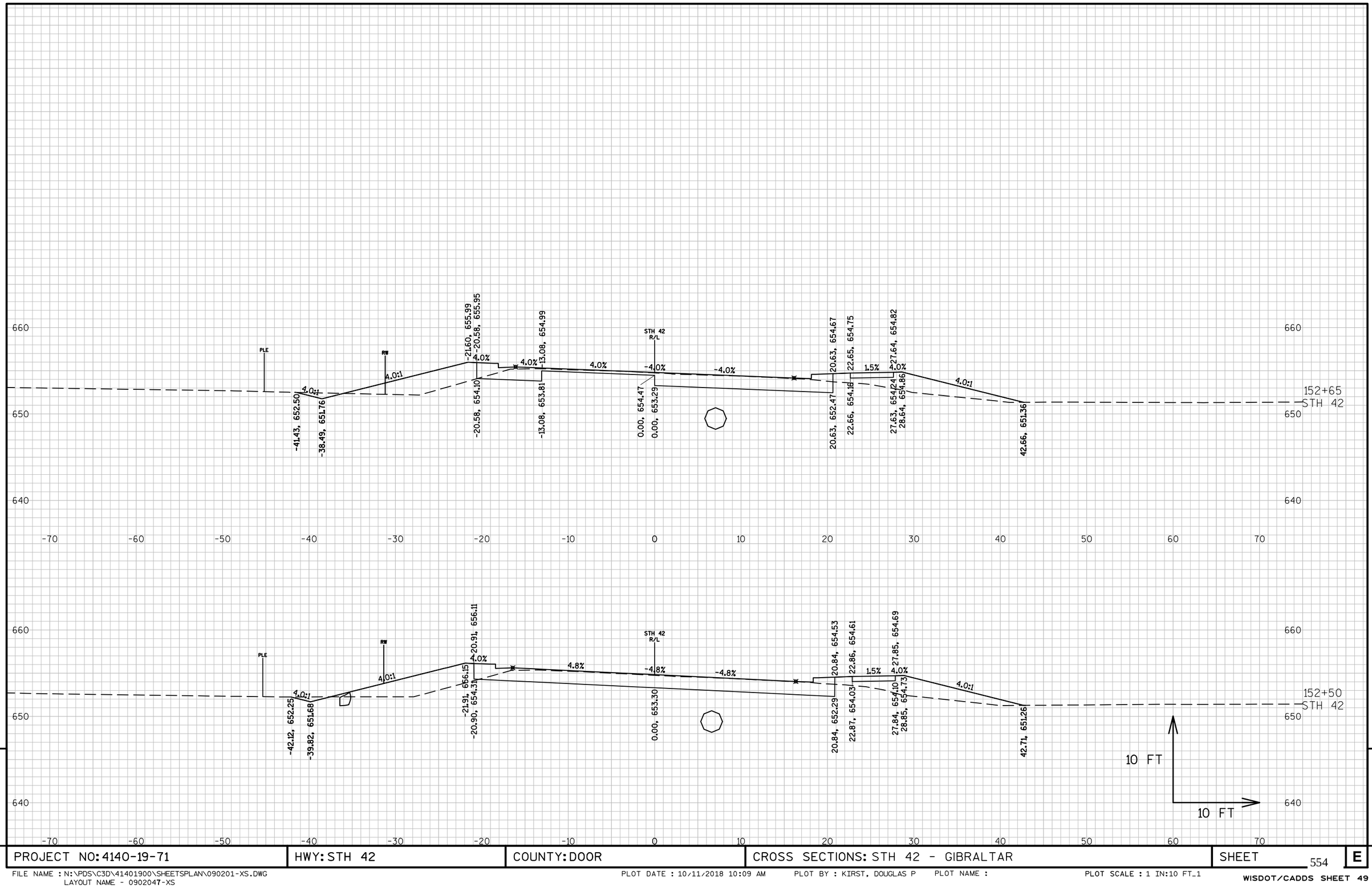


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 553	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902046-XS

PLOT DATE : 10/11/2018 10:07 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



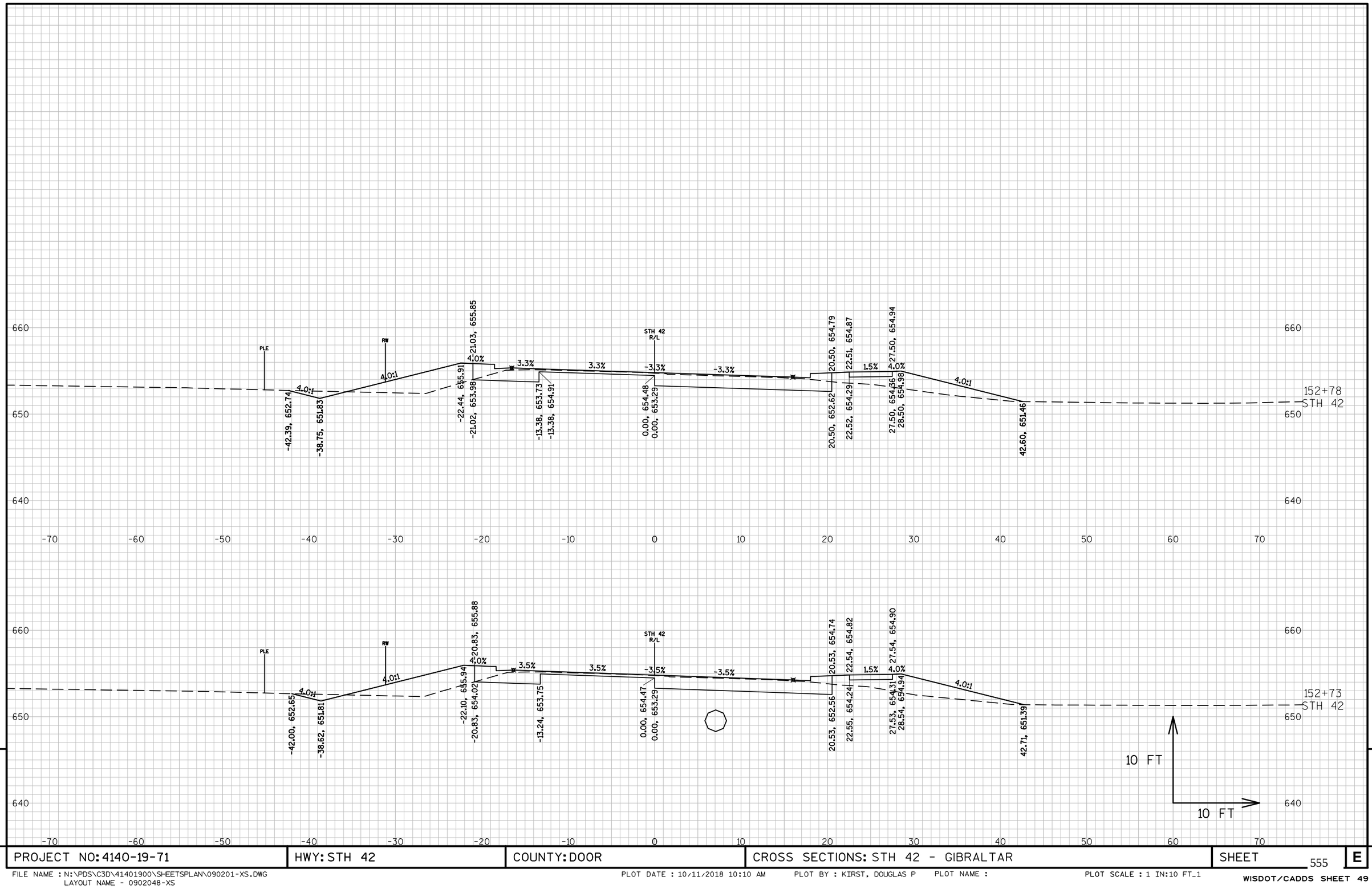
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 554	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902047-XS

PLOT DATE : 10/11/2018 10:09 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



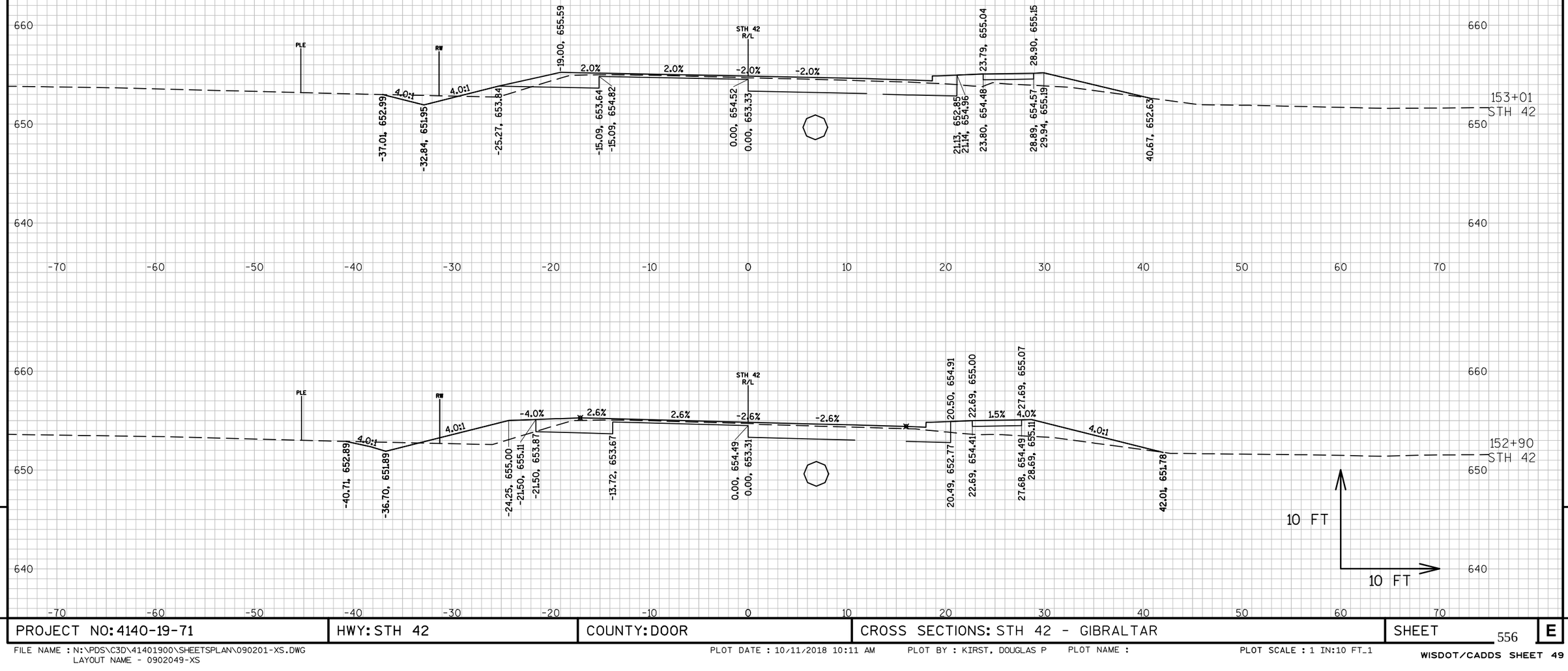
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 555	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902048-XS

PLOT DATE : 10/11/2018 10:10 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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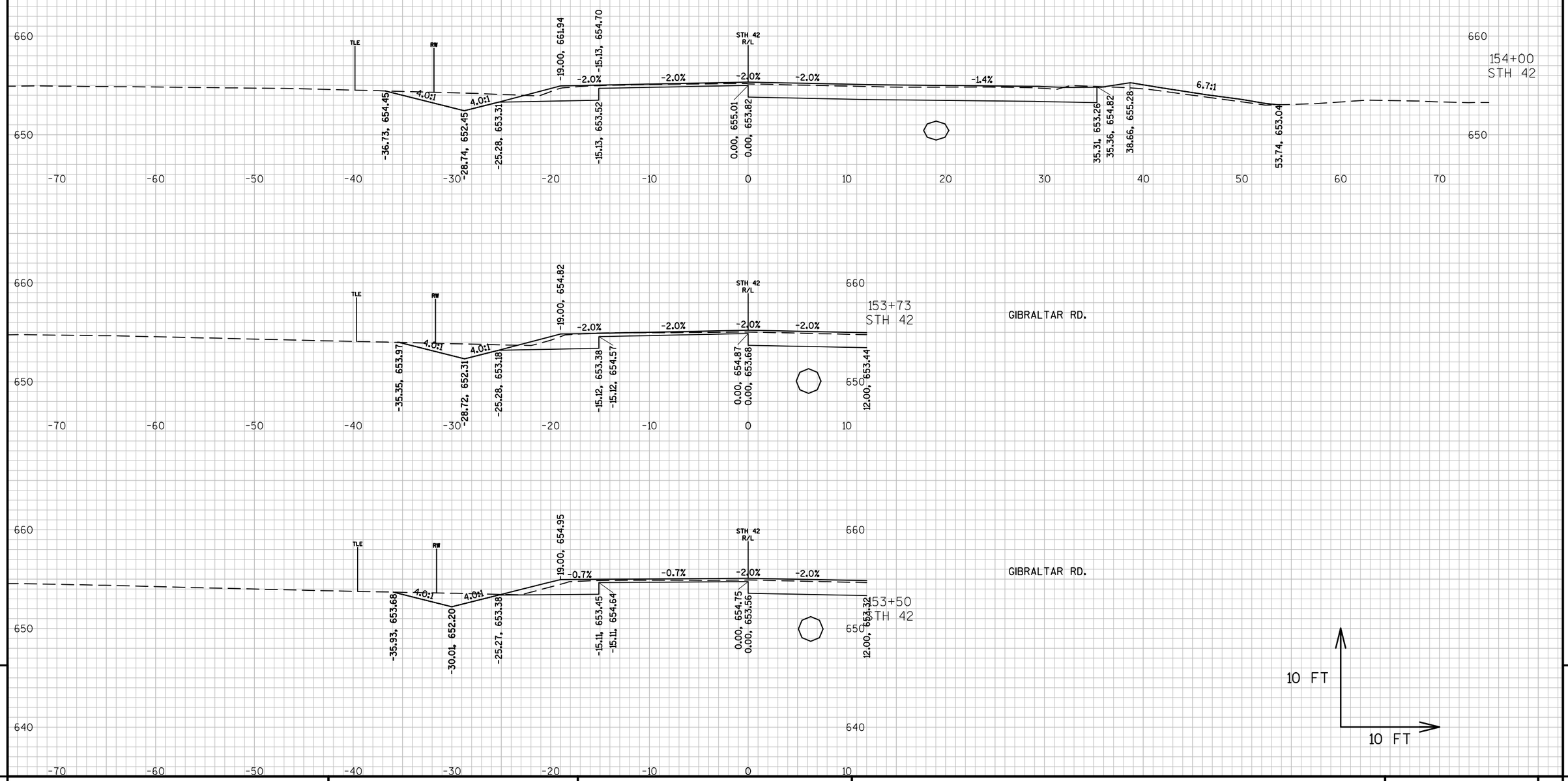
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 556	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902049-XS

PLOT DATE : 10/11/2018 10:11 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

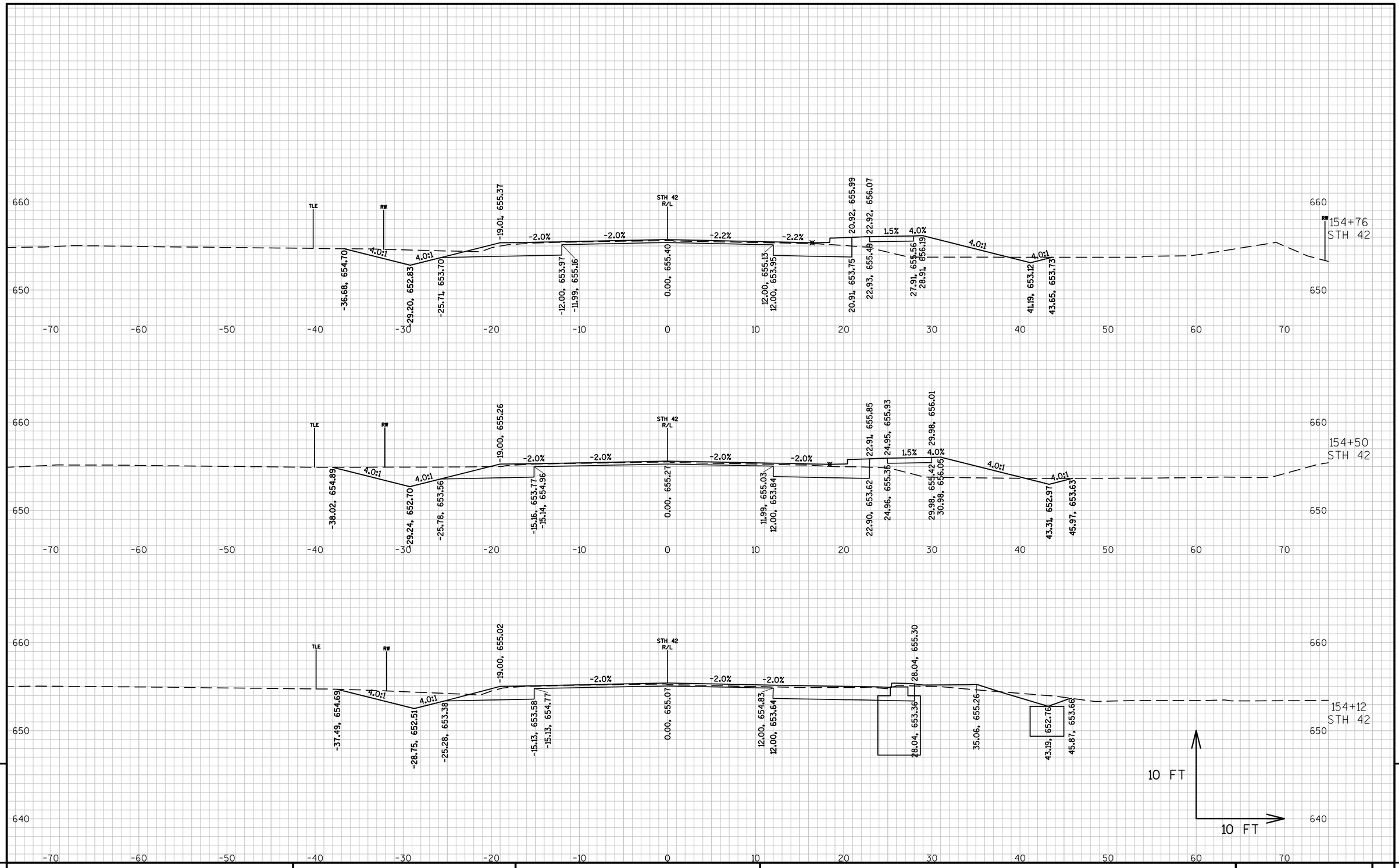
WISDOT/CADDS SHEET 49



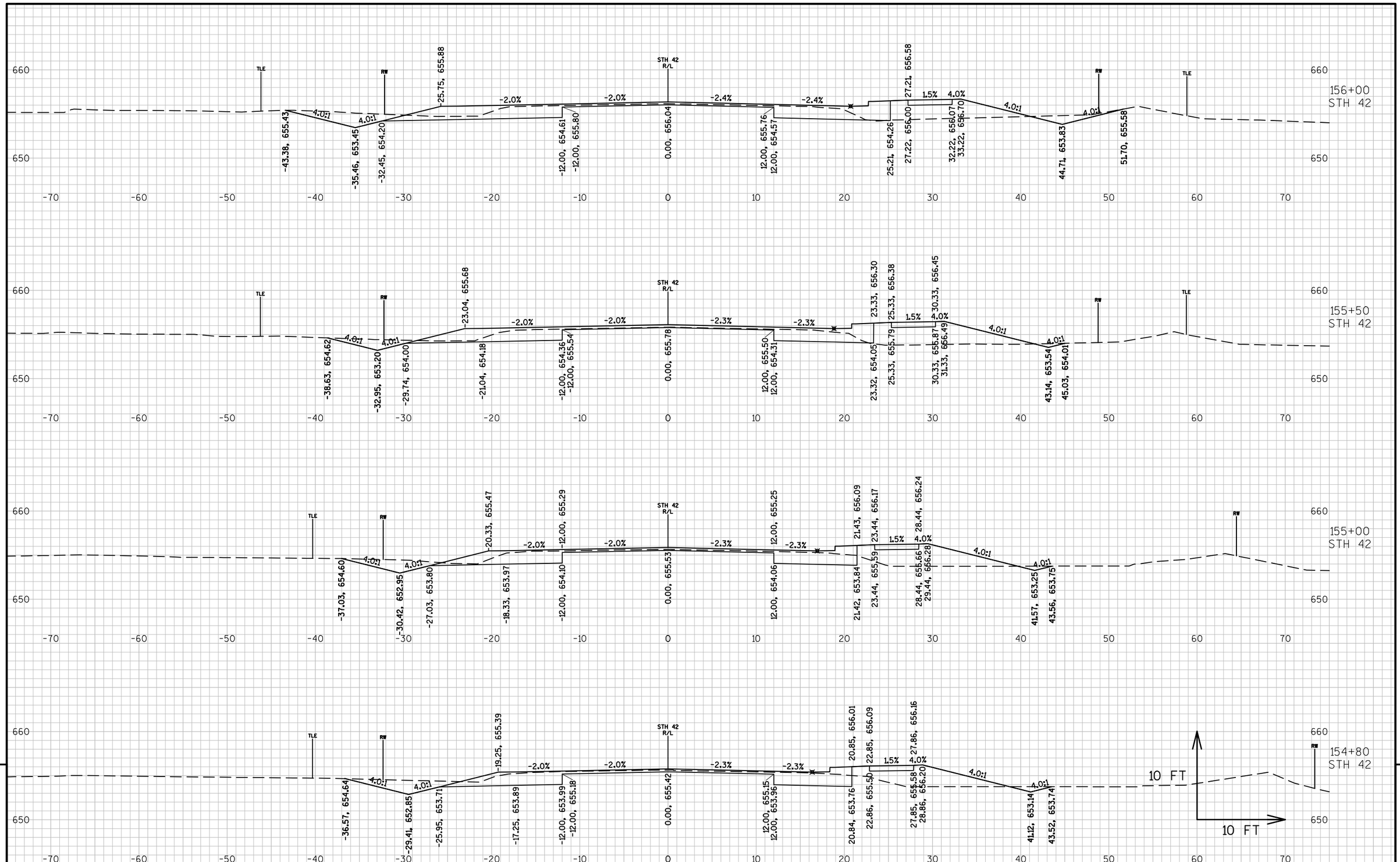
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 557	E



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 558	E



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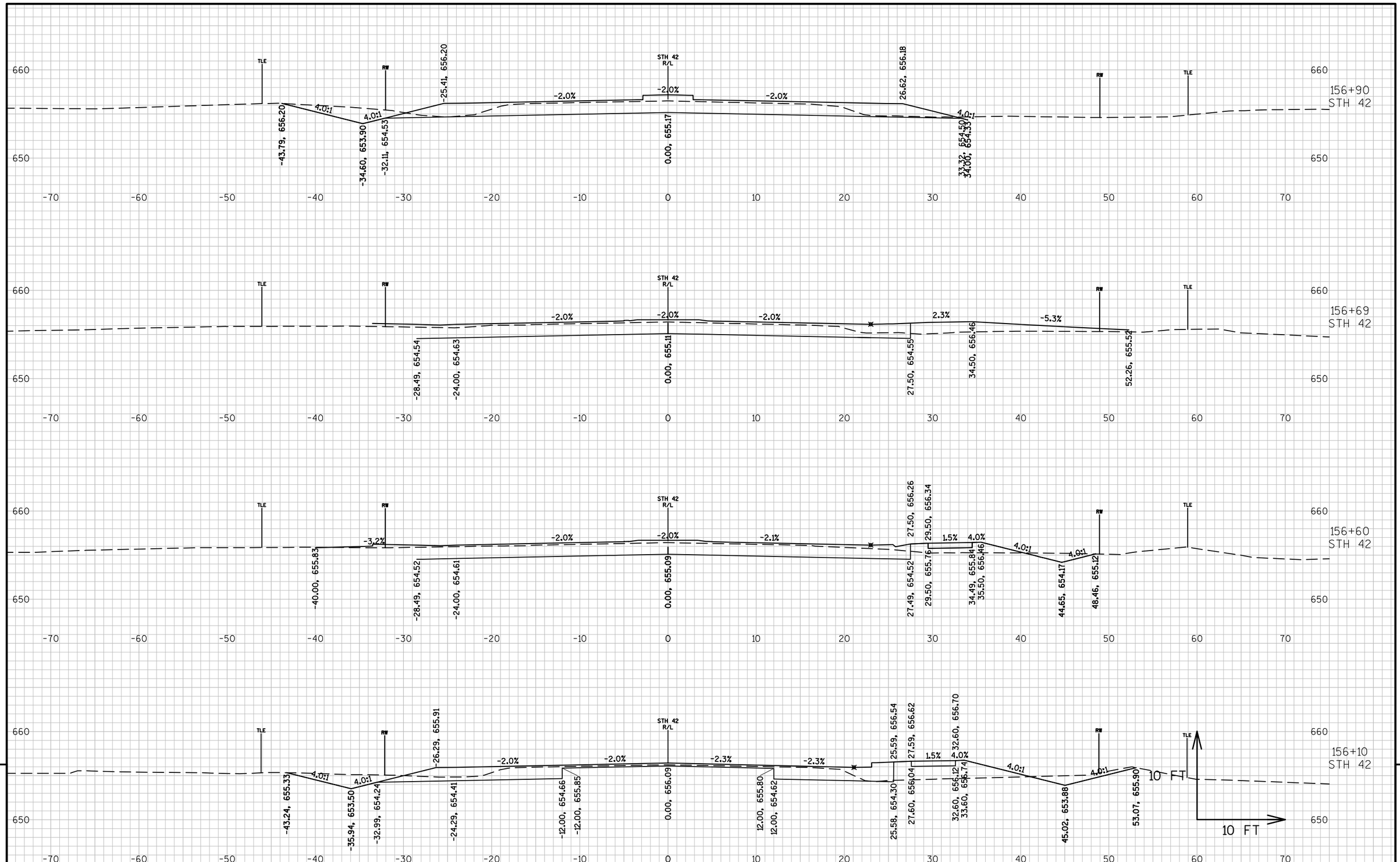
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 559	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902052-XS

PLOT DATE : 10/11/2018 10:15 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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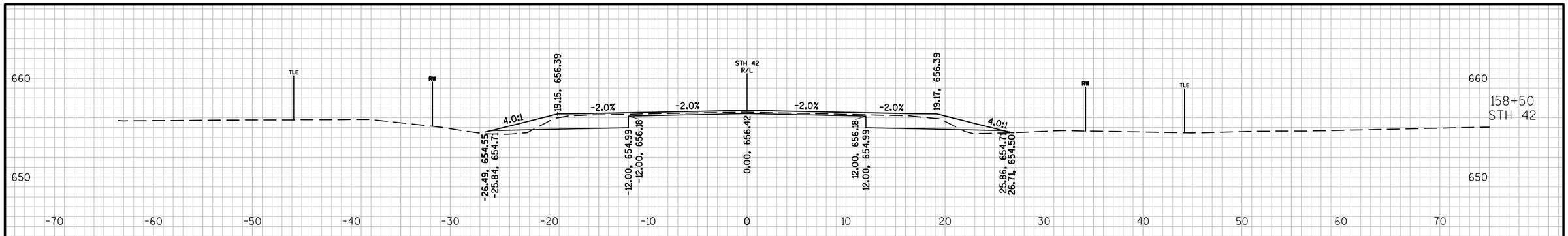
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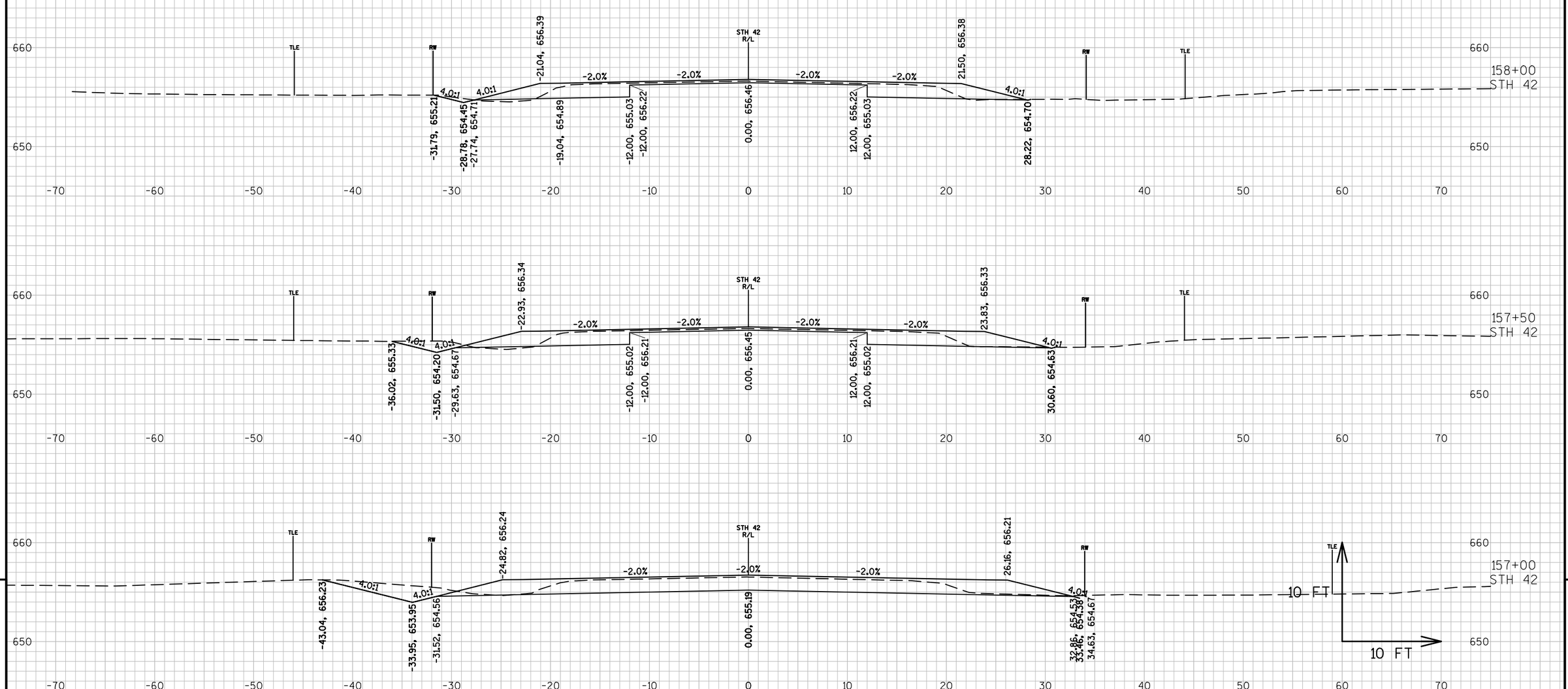
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 560	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902053-XS

PLOT DATE : 10/11/2018 10:17 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49





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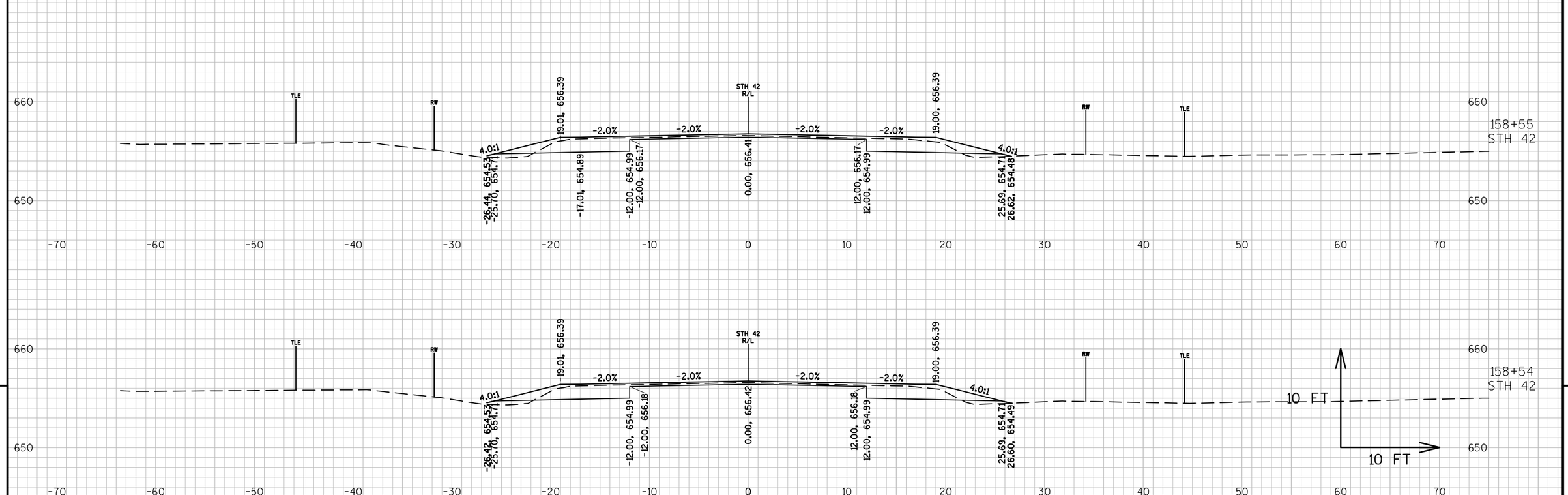
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 561	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902054-XS

PLOT DATE : 10/11/2018 10:18 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GIBRALTAR	SHEET 562	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902055-XS

PLOT DATE : 10/11/2018 10:19 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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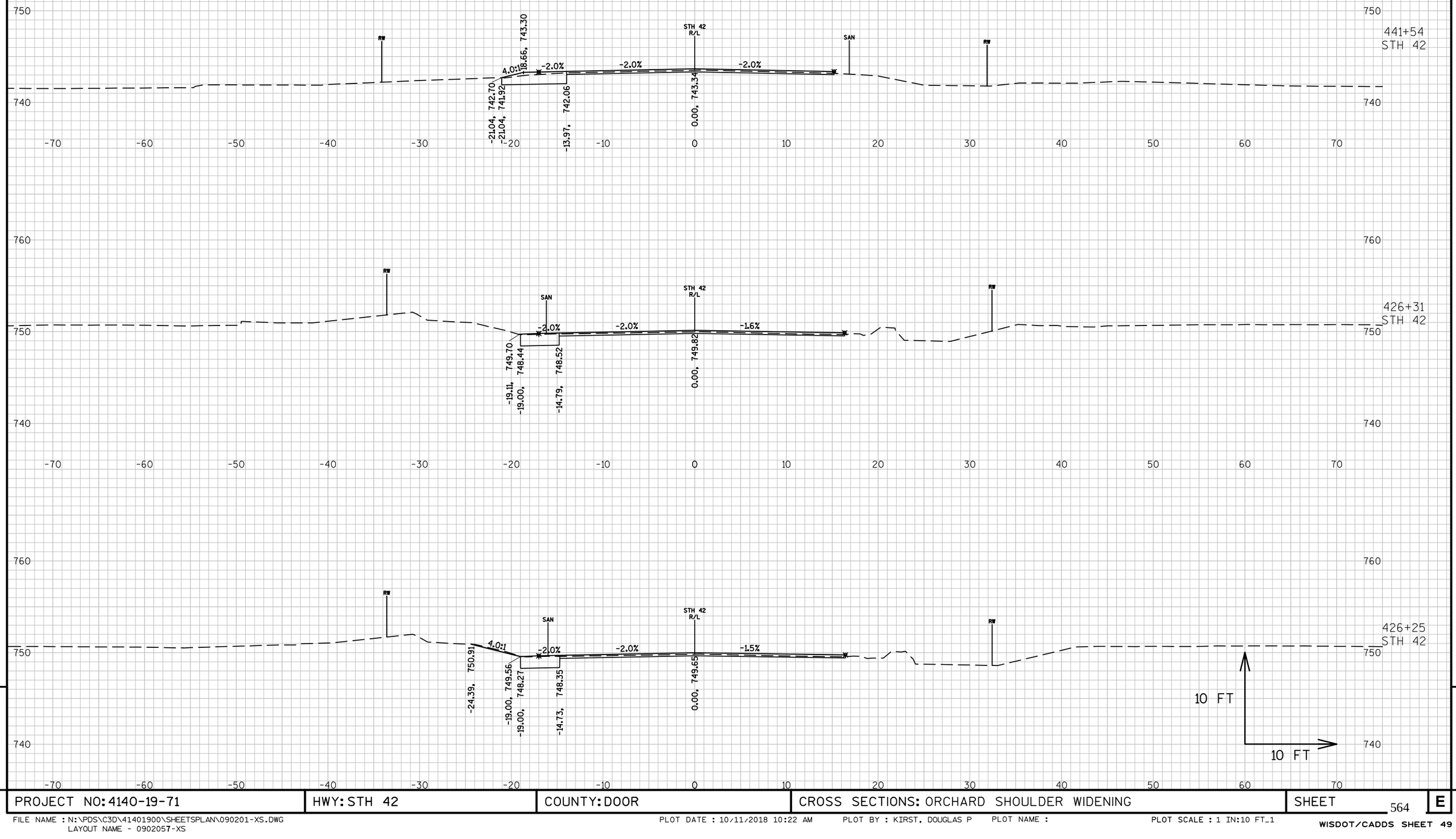
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - ORCHARD SHOULDER WIDENING	SHEET 563	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902056-XS

PLOT DATE : 10/11/2018 10:21 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

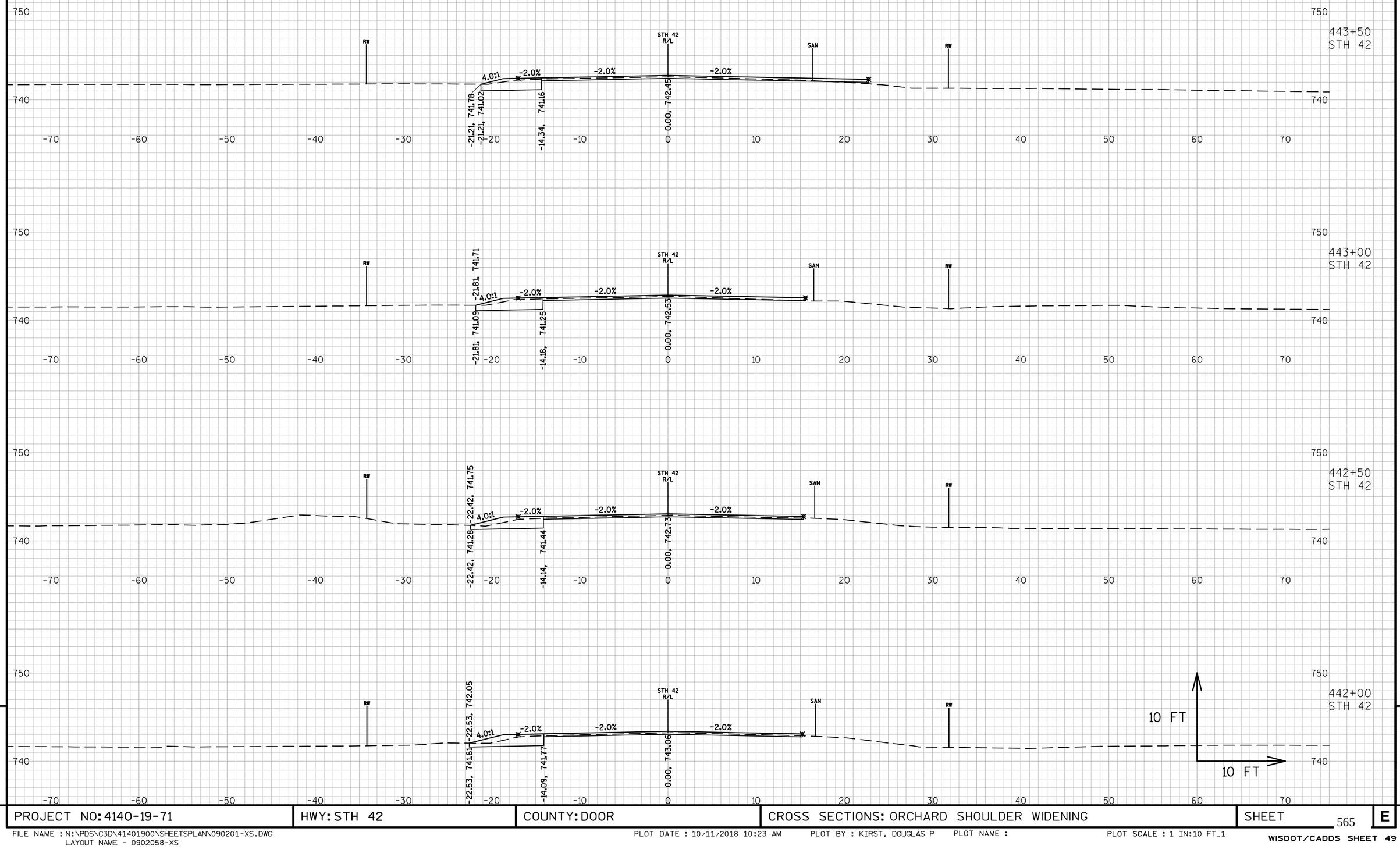


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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 564	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902057-XS
PLOT DATE : 10/11/2018 10:22 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49

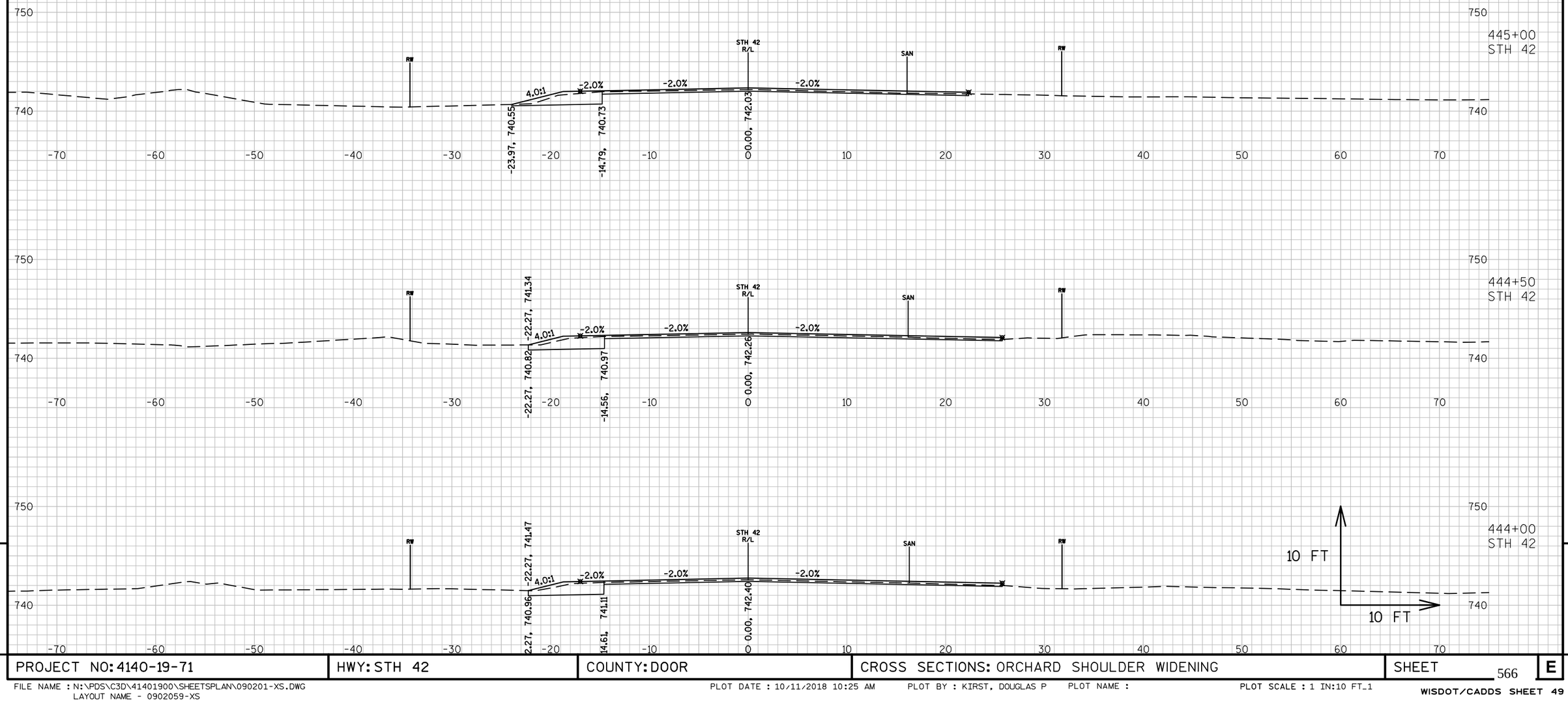


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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 565	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902058-XS
PLOT DATE : 10/11/2018 10:23 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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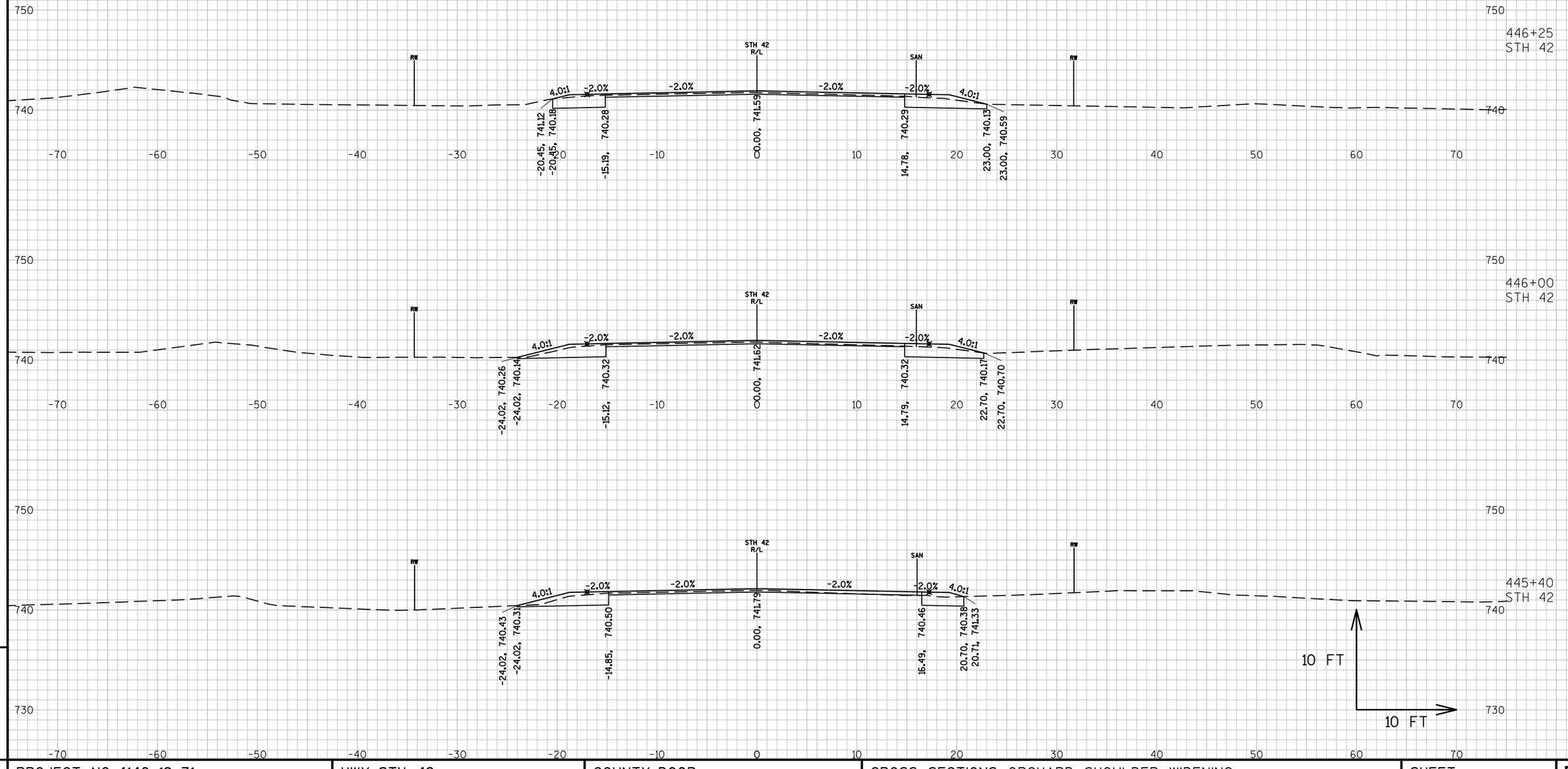
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 566	E

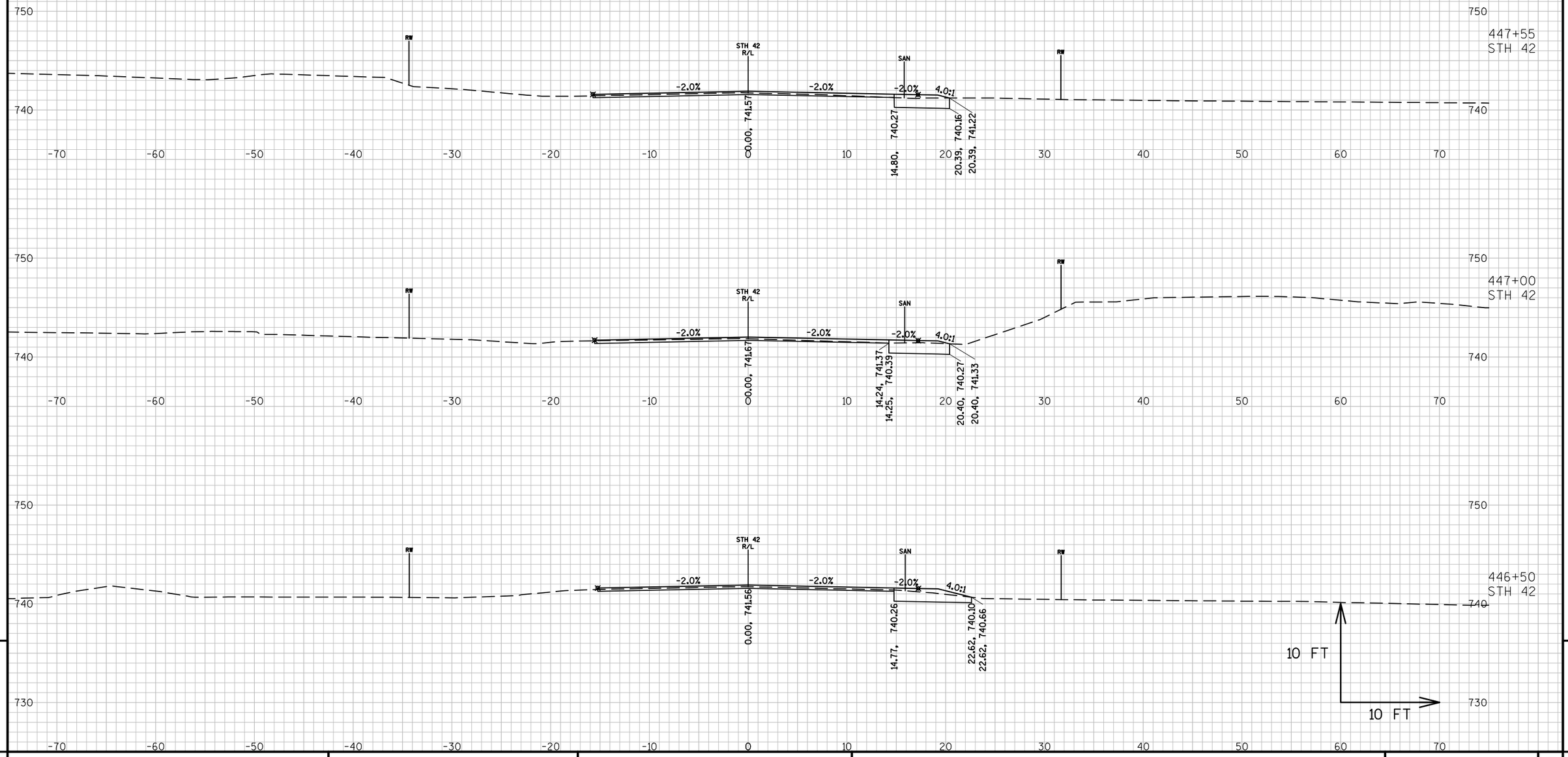
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902059-XS

PLOT DATE : 10/11/2018 10:25 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

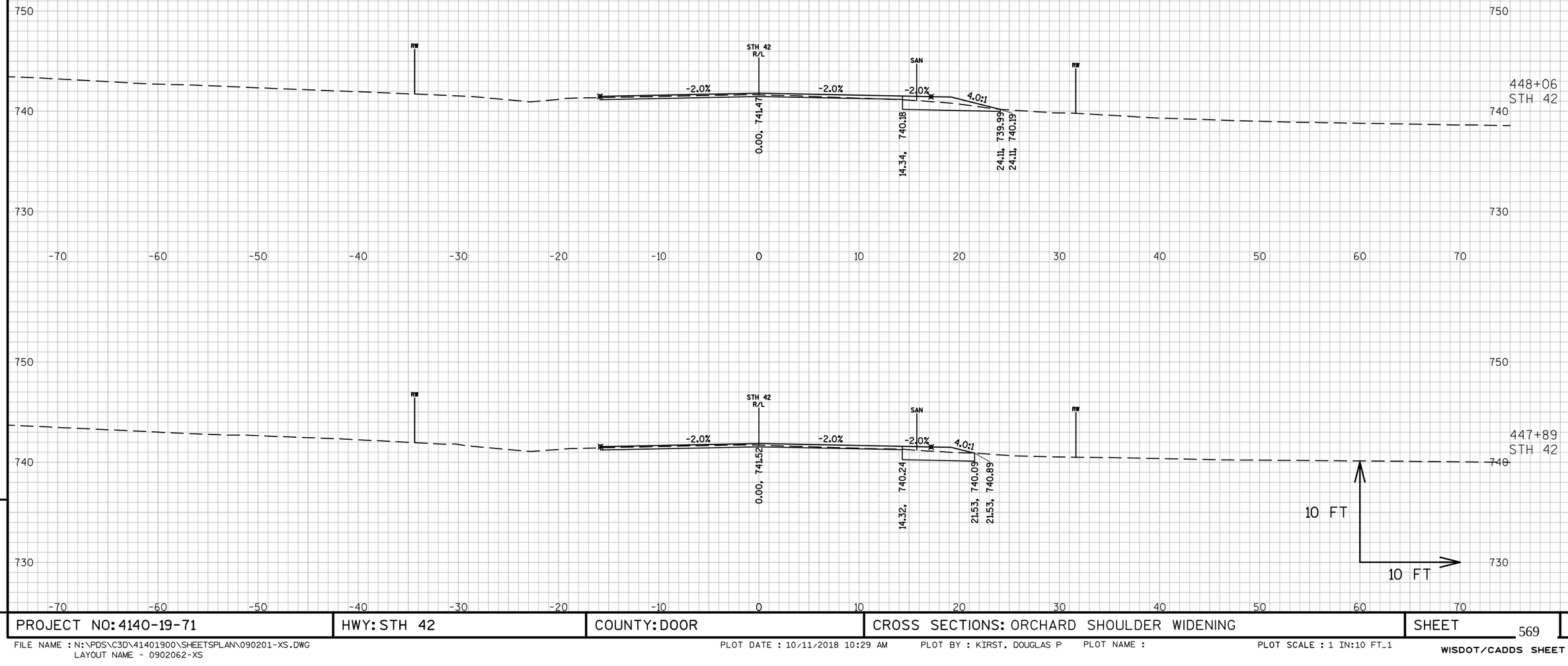
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 567	E



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 568	E



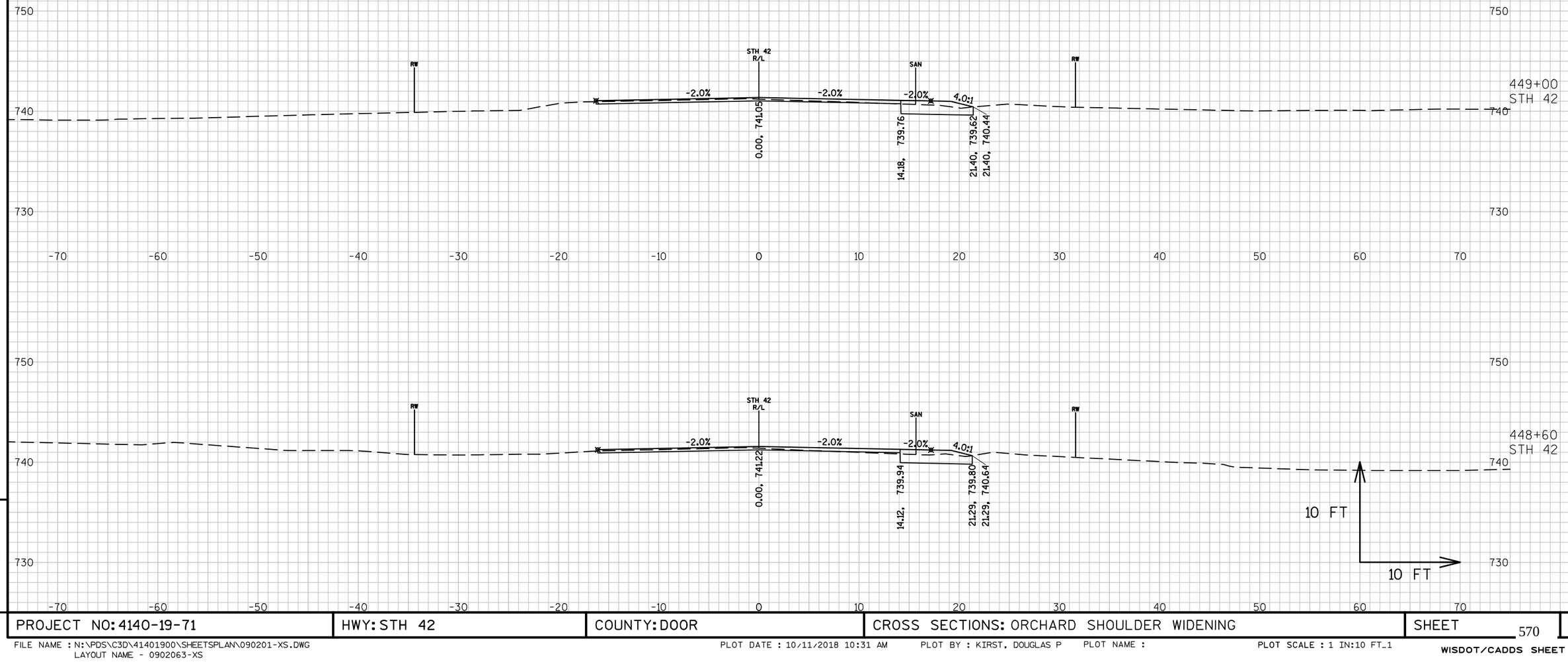
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 569	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902062-XS

PLOT DATE : 10/11/2018 10:29 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

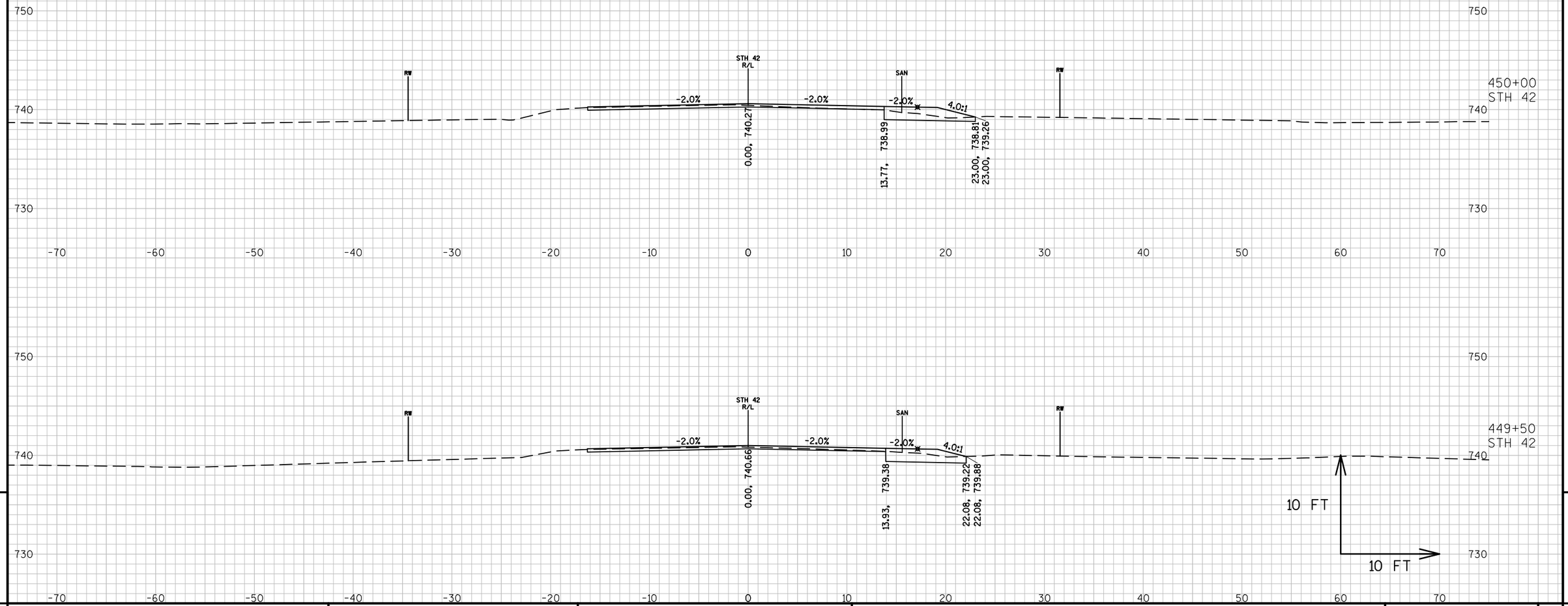


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 570	E

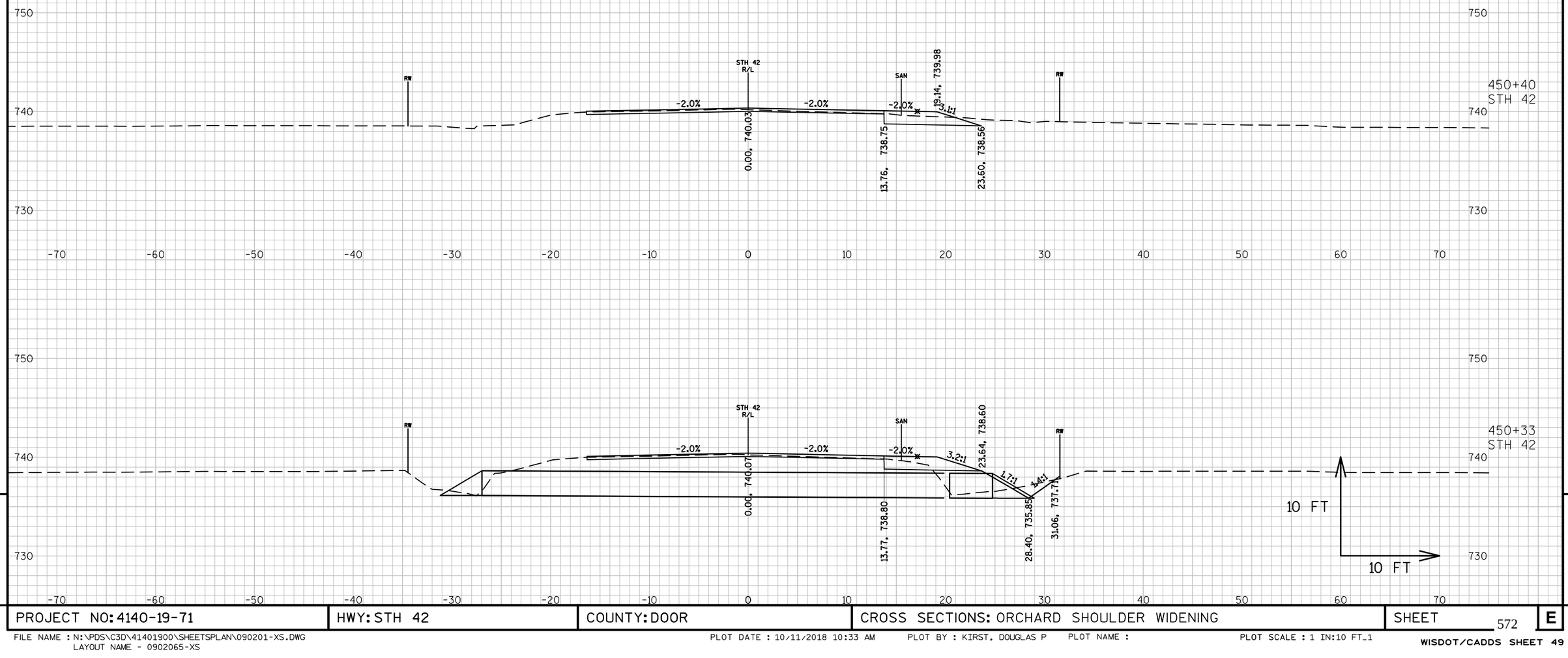
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902063-XS

PLOT DATE : 10/11/2018 10:31 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 571	E



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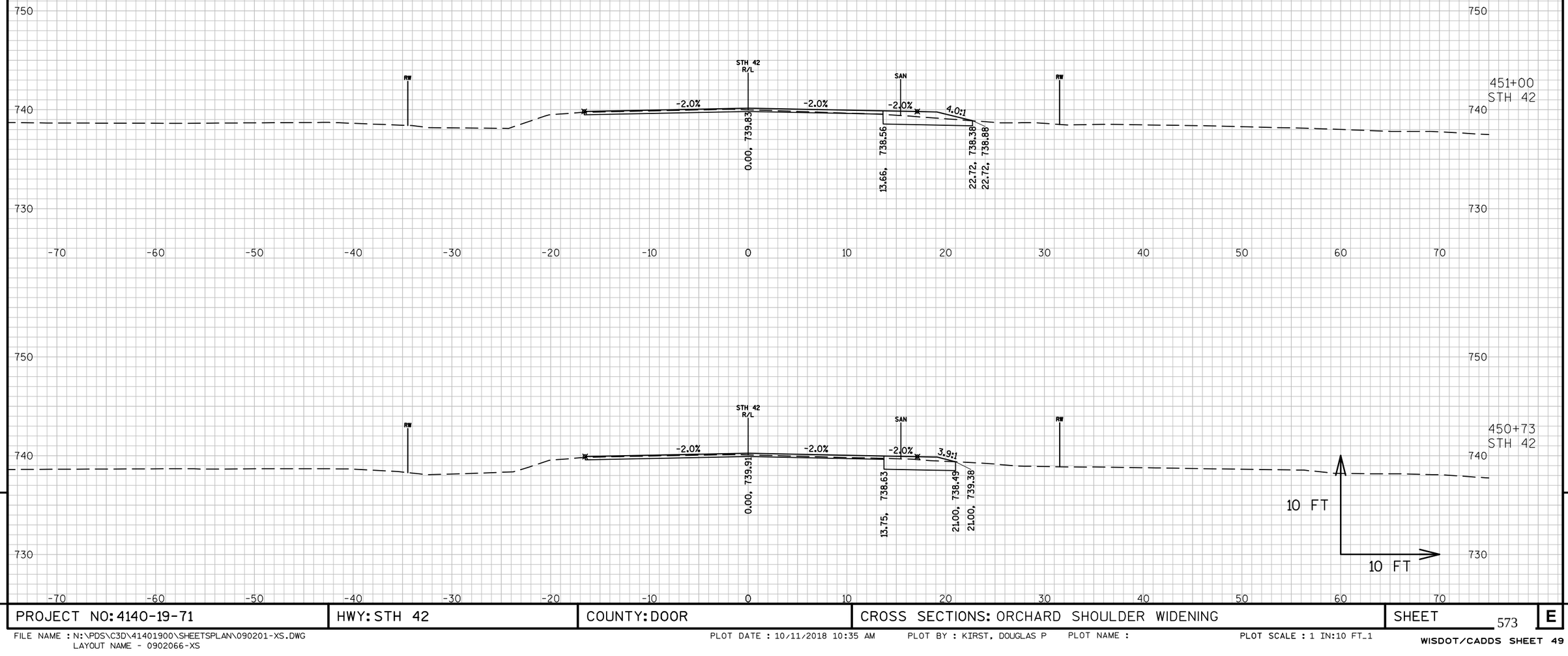
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 572	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902065-XS

PLOT DATE : 10/11/2018 10:33 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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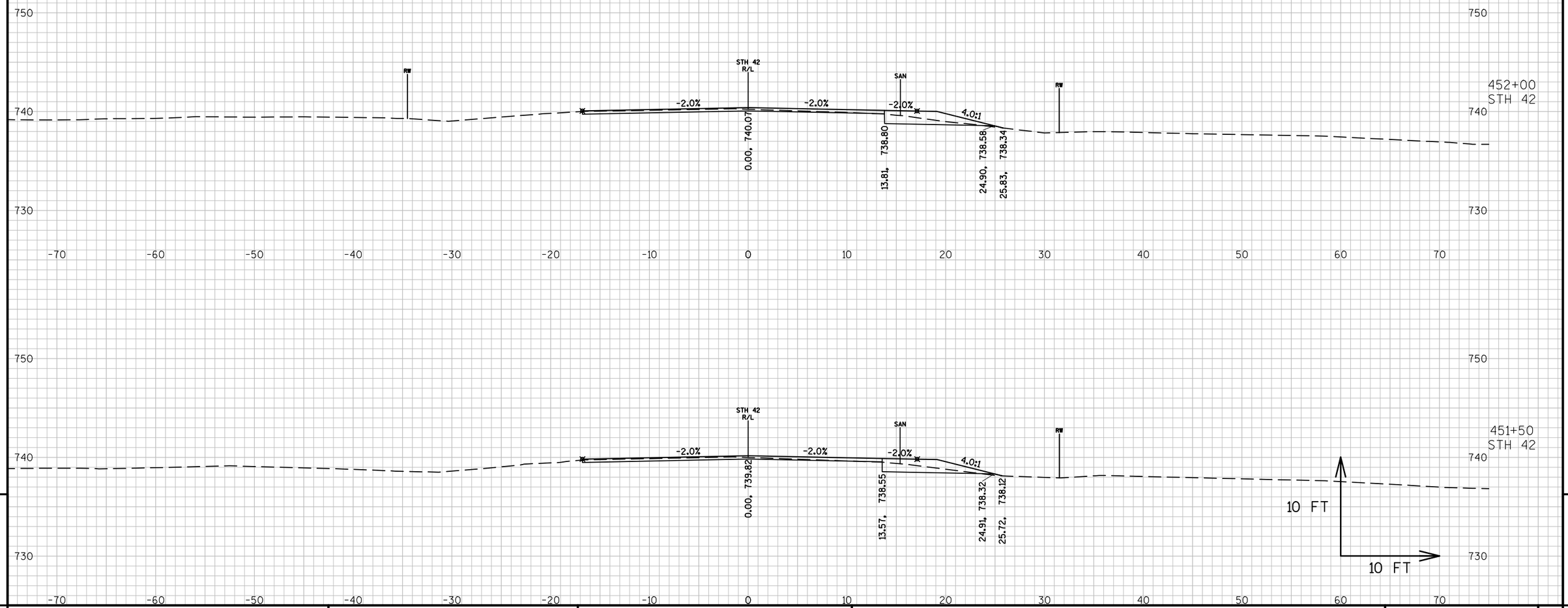
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 573	E

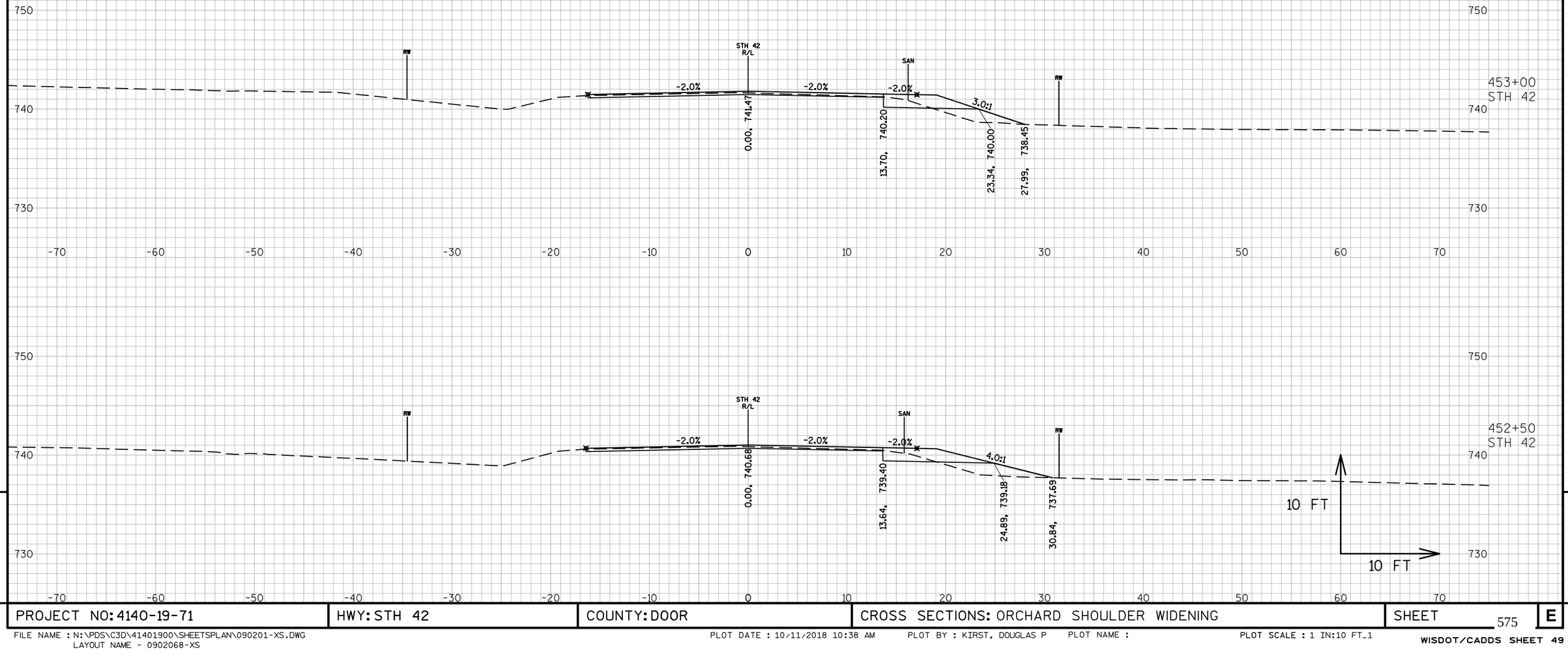
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902066-XS

PLOT DATE : 10/11/2018 10:35 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 574	E

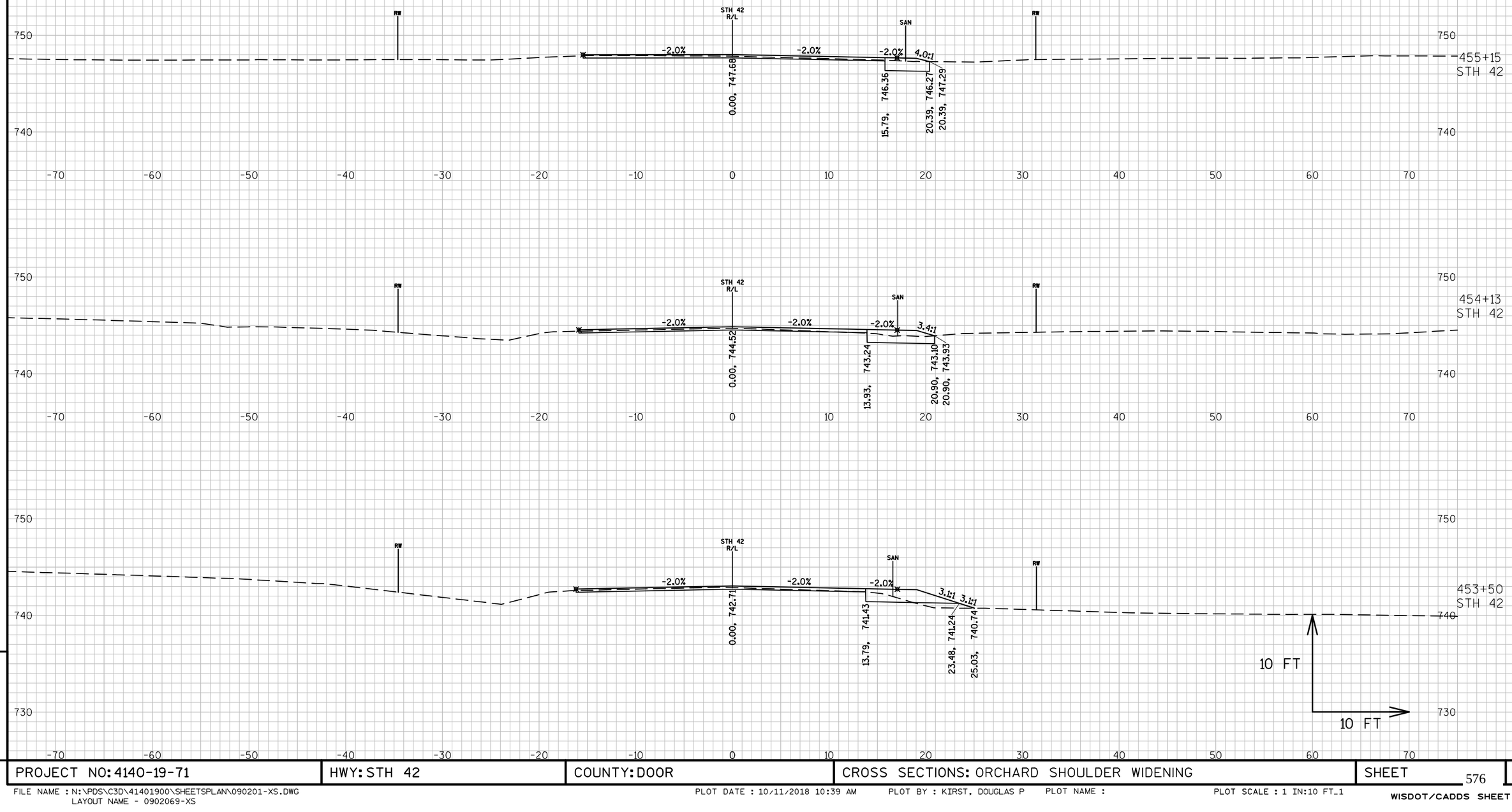


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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 575	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902068-XS
PLOT DATE : 10/11/2018 10:38 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



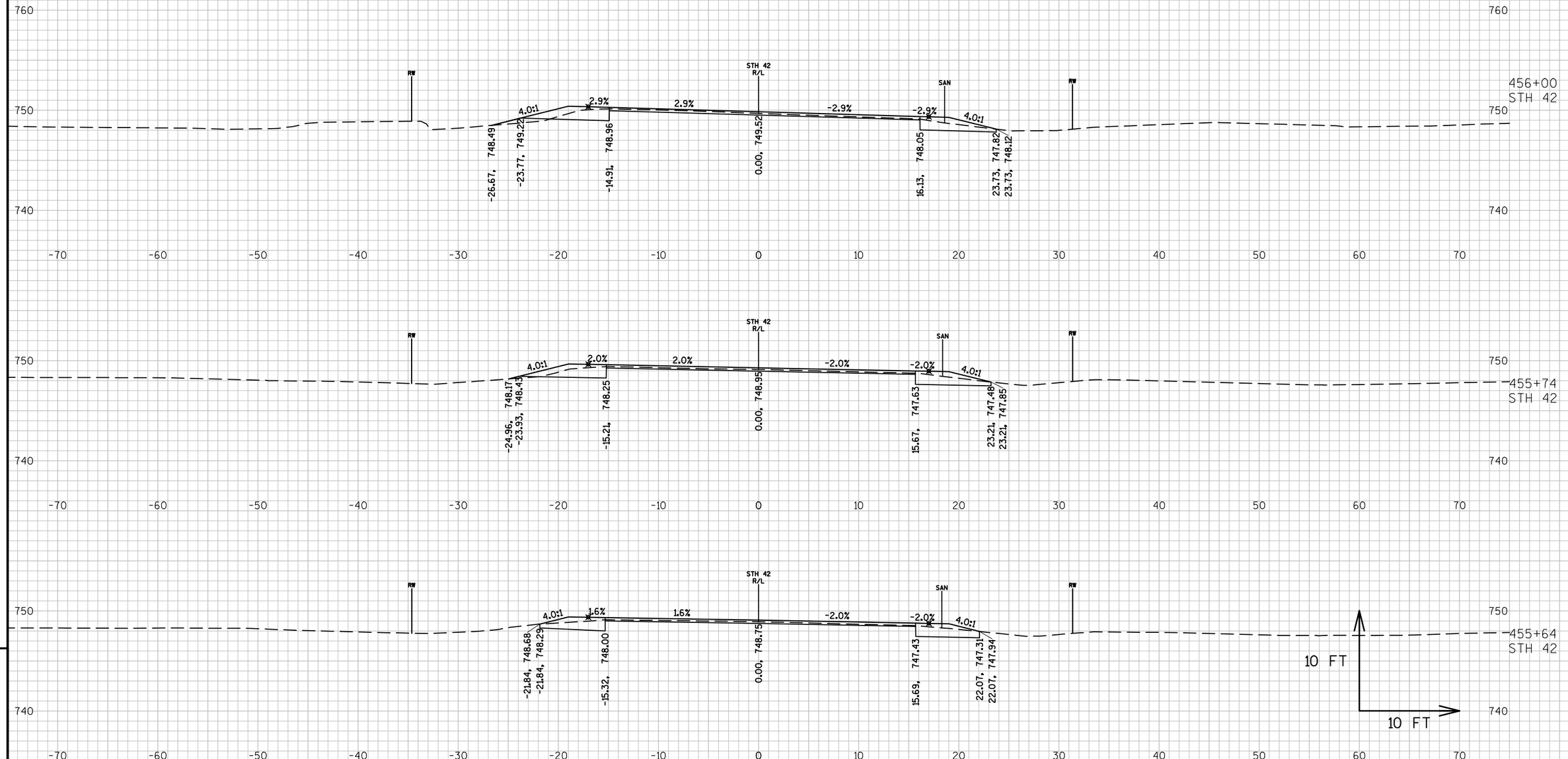
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 576	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902069-XS

PLOT DATE : 10/11/2018 10:39 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

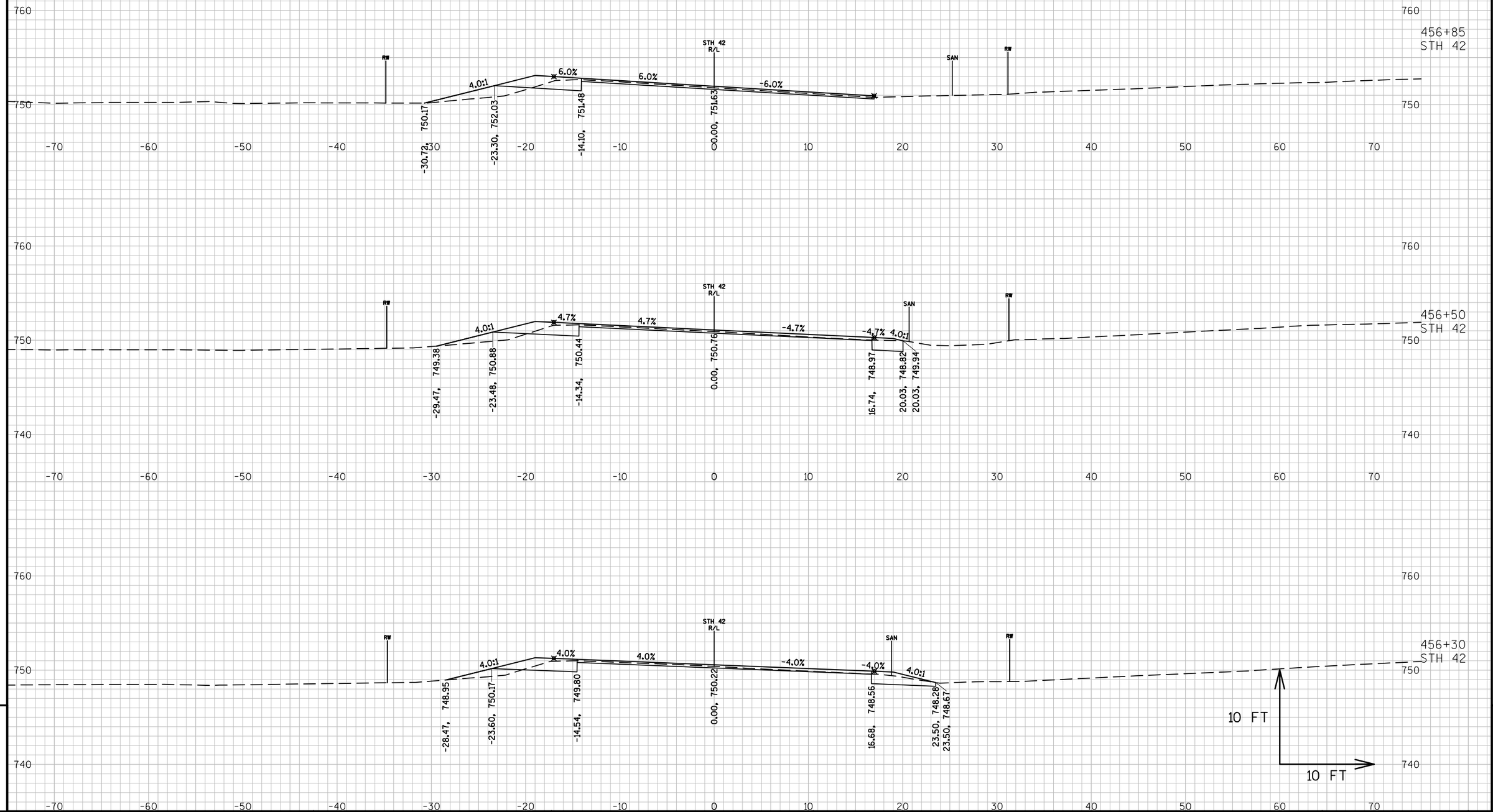


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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 577	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902070-XS
PLOT DATE : 10/11/2018 10:41 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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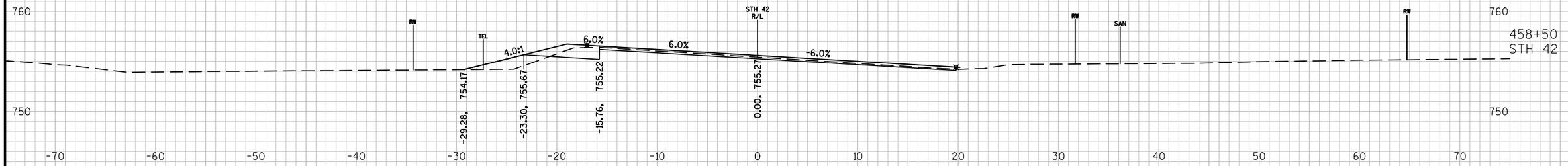
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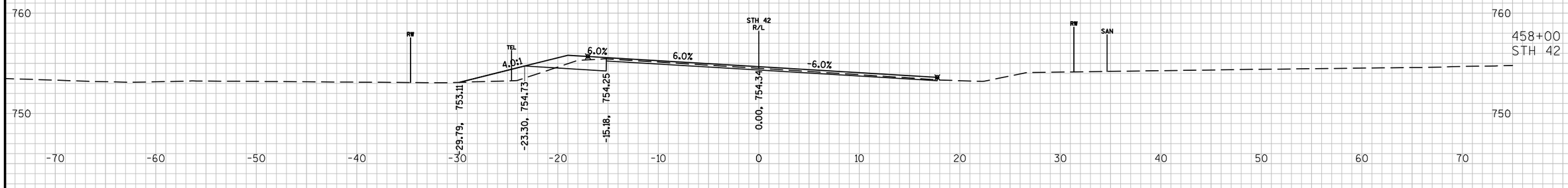
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 578	E

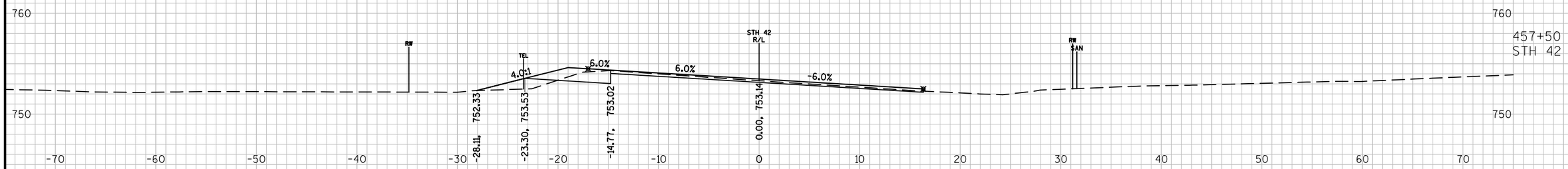
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902071-XS

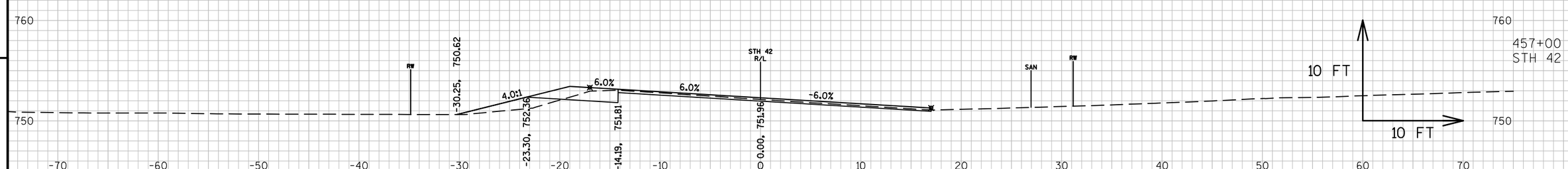
PLOT DATE : 10/11/2018 10:42 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49







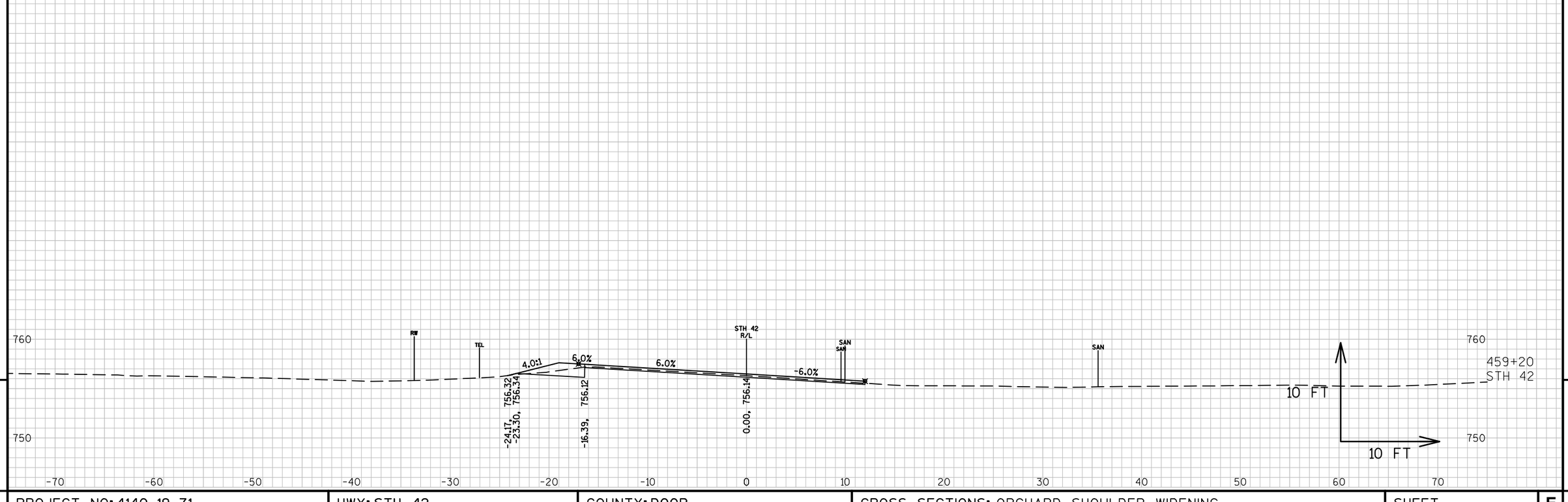


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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 579	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902072-XS
PLOT DATE : 10/11/2018 10:43 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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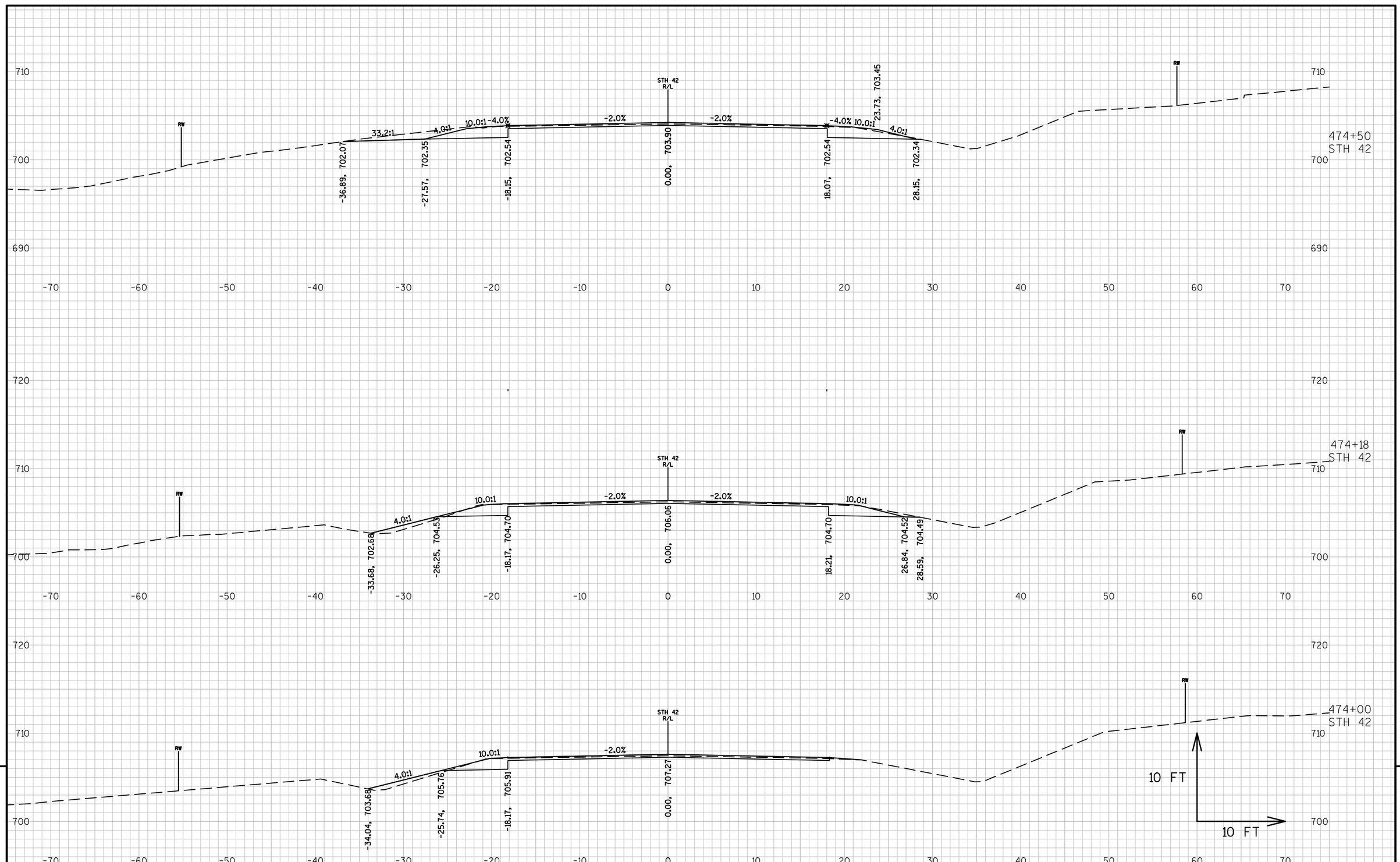
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: ORCHARD SHOULDER WIDENING	SHEET 580	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902073-XS

PLOT DATE : 10/11/2018 10:45 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

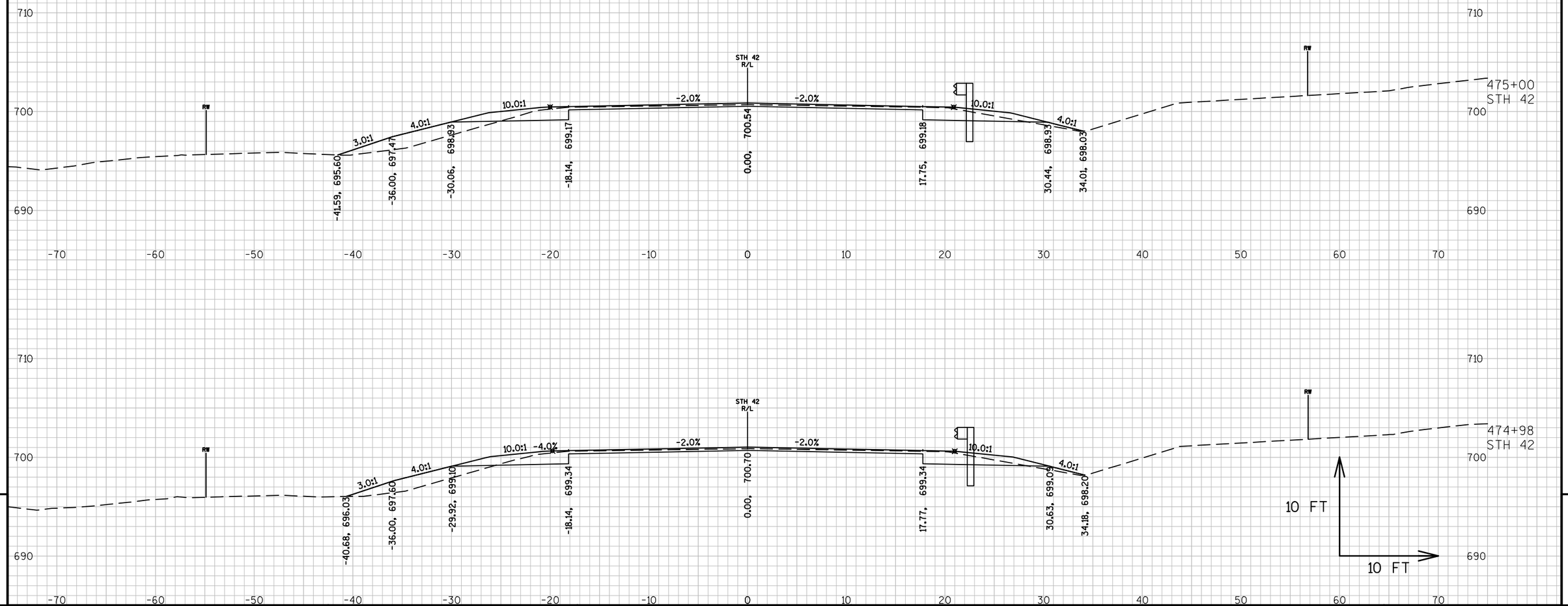


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 581	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902074-XS

PLOT DATE : 10/11/2018 10:46 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



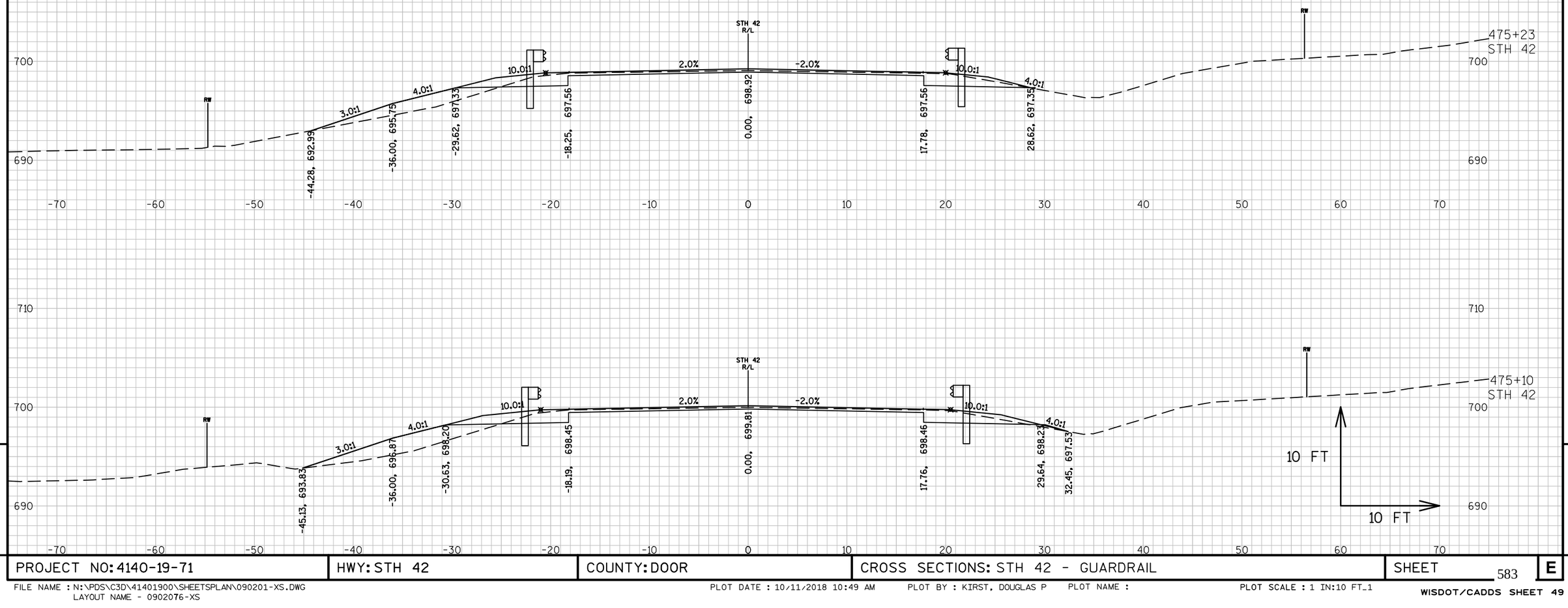
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 582	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902075-XS

PLOT DATE : 10/11/2018 10:48 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

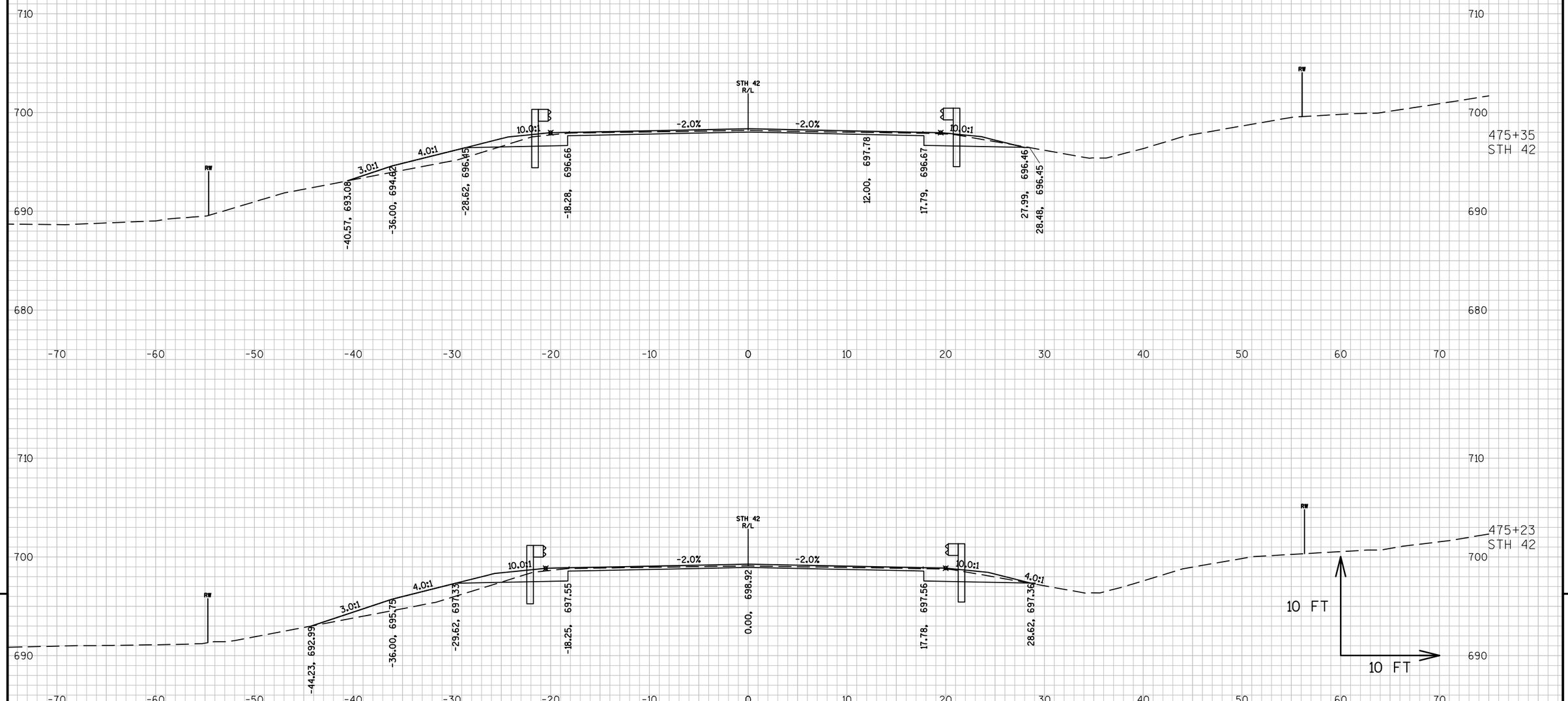
WISDOT/CADDS SHEET 49



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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 583	E



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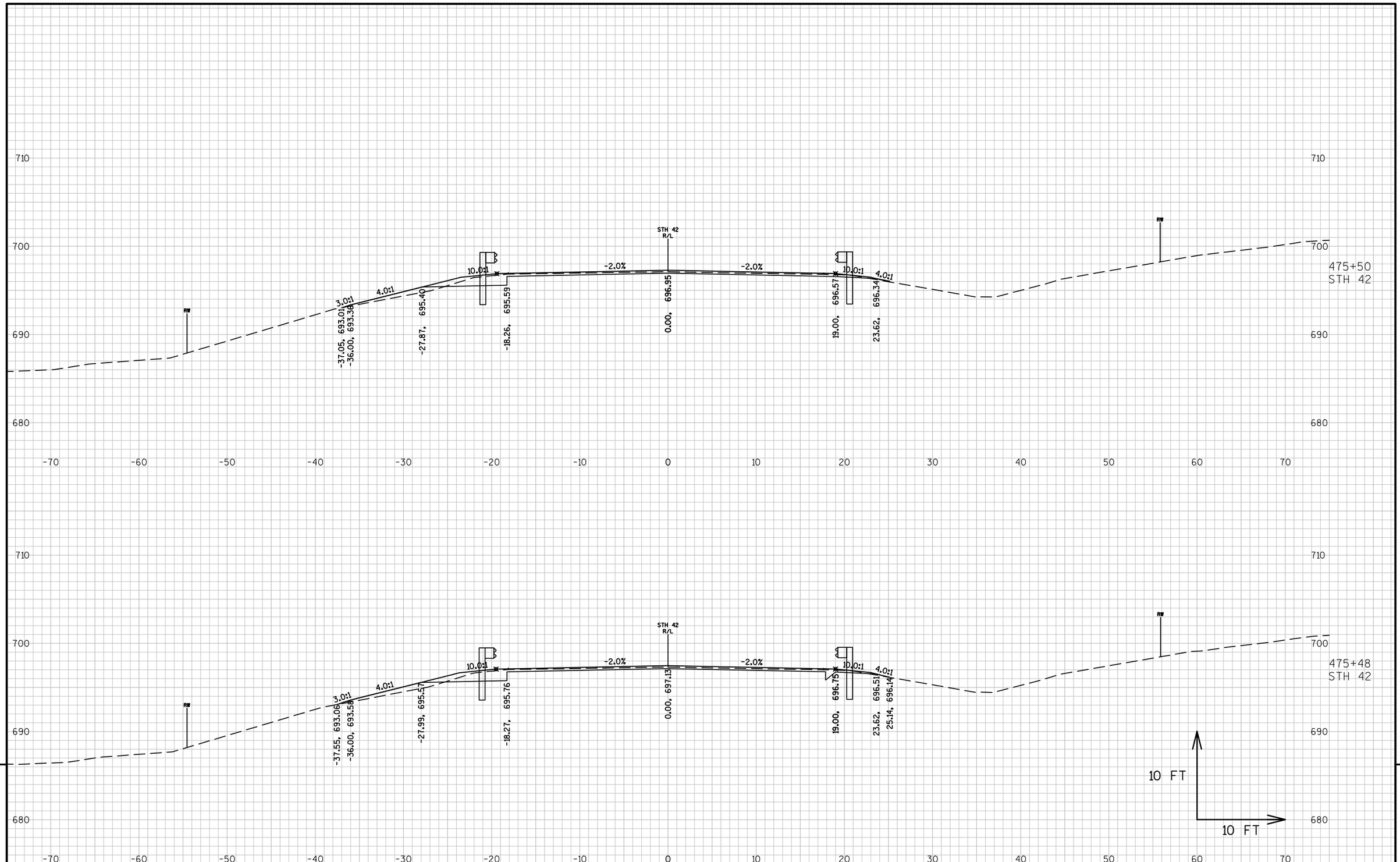
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 584	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090277-XS

PLOT DATE : 10/11/2018 10:51 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

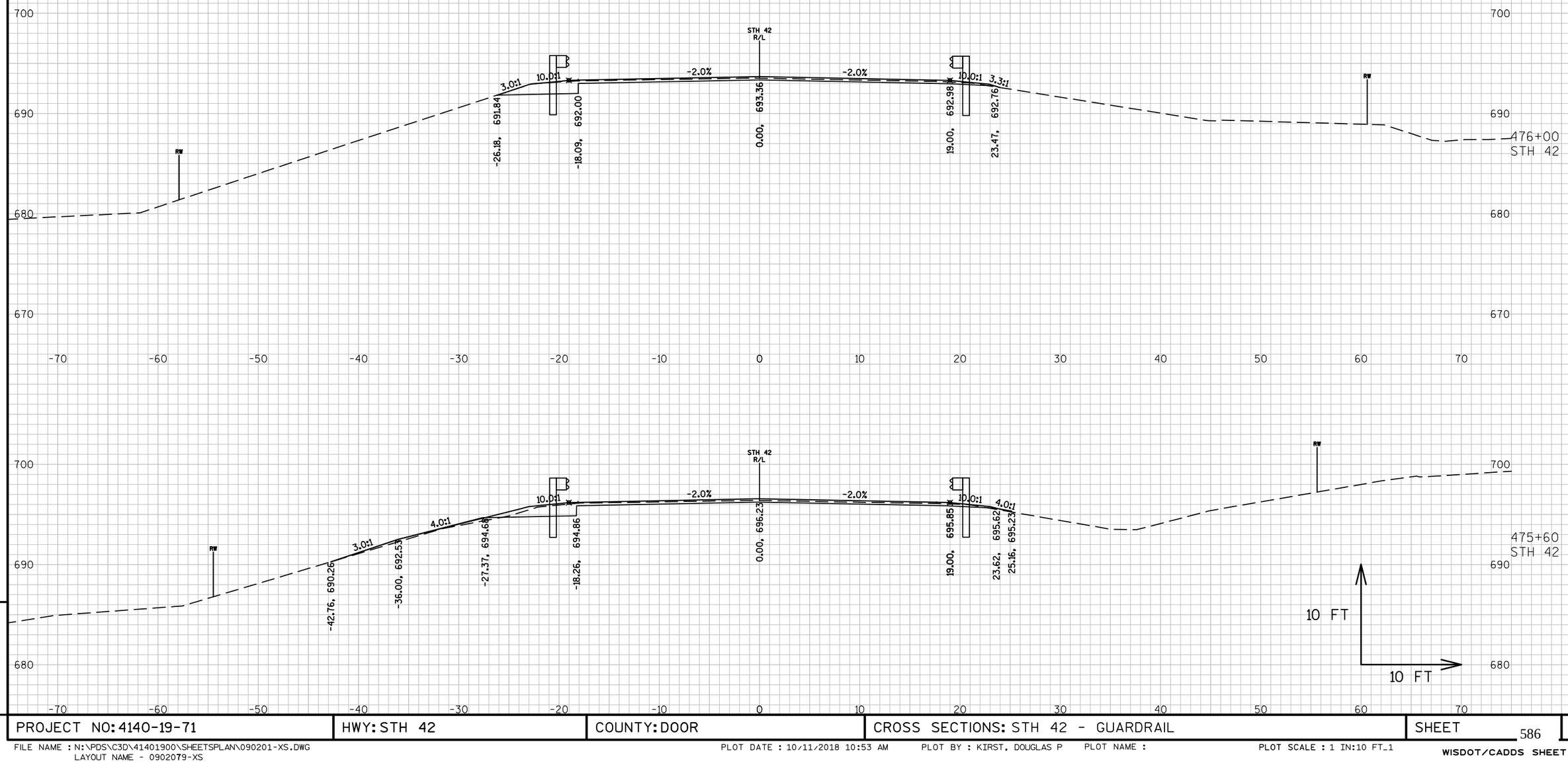
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 585	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902078-XS

PLOT DATE : 10/11/2018 10:52 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



9

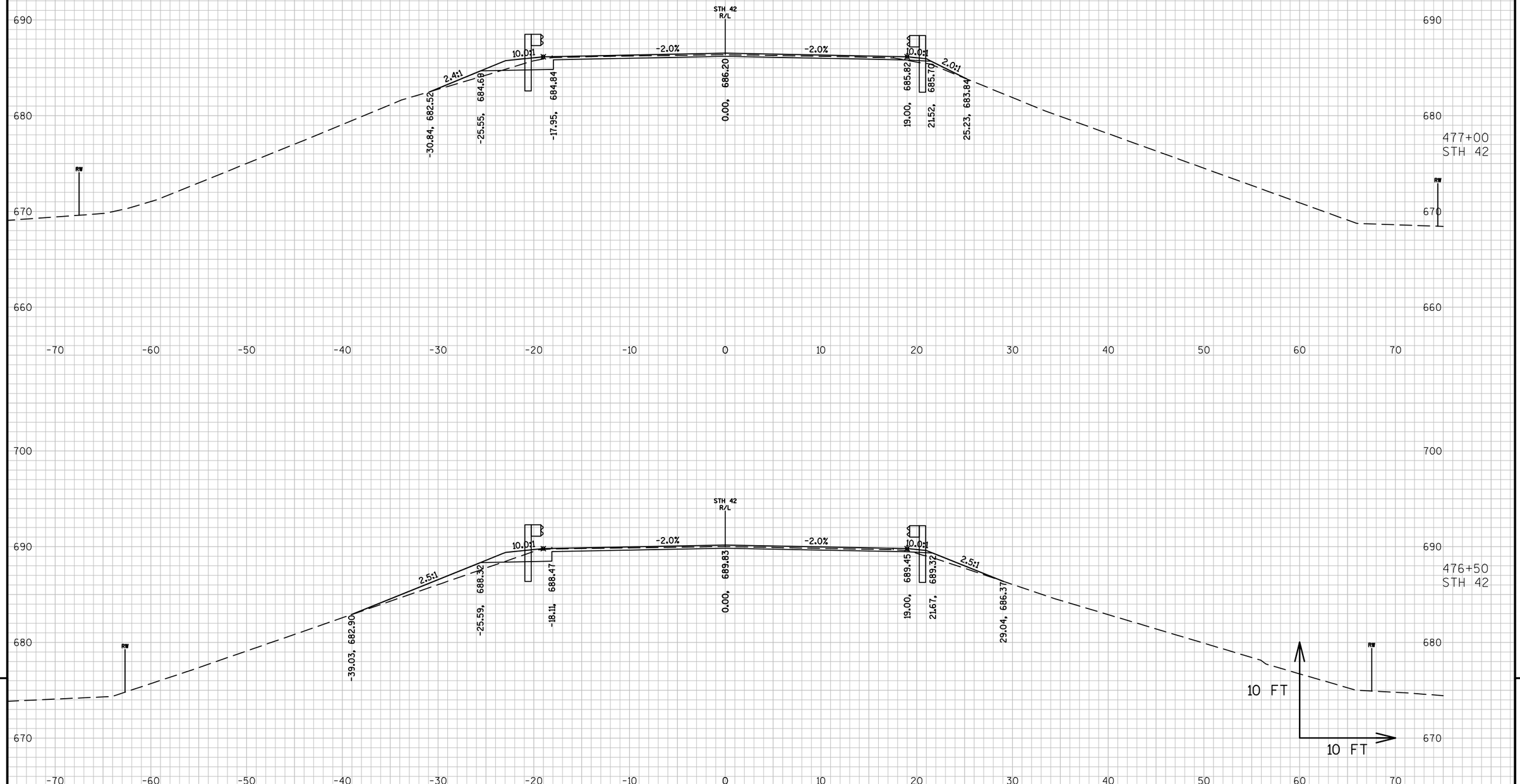
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 586	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902079-XS

PLOT DATE : 10/11/2018 10:53 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

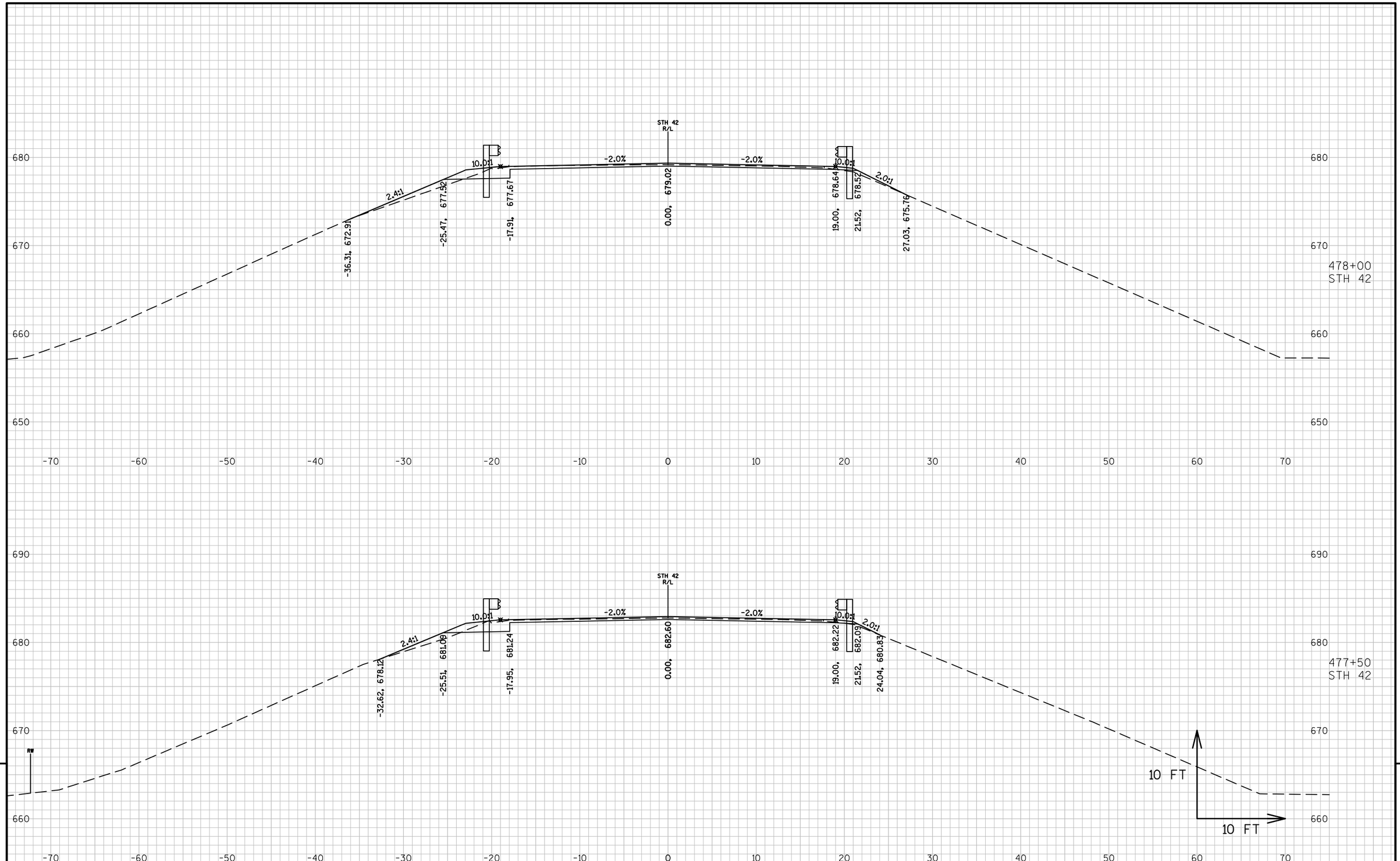
WISDOT/CADDS SHEET 49



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 587	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902080-XS

PLOT DATE : 10/11/2018 10:55 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

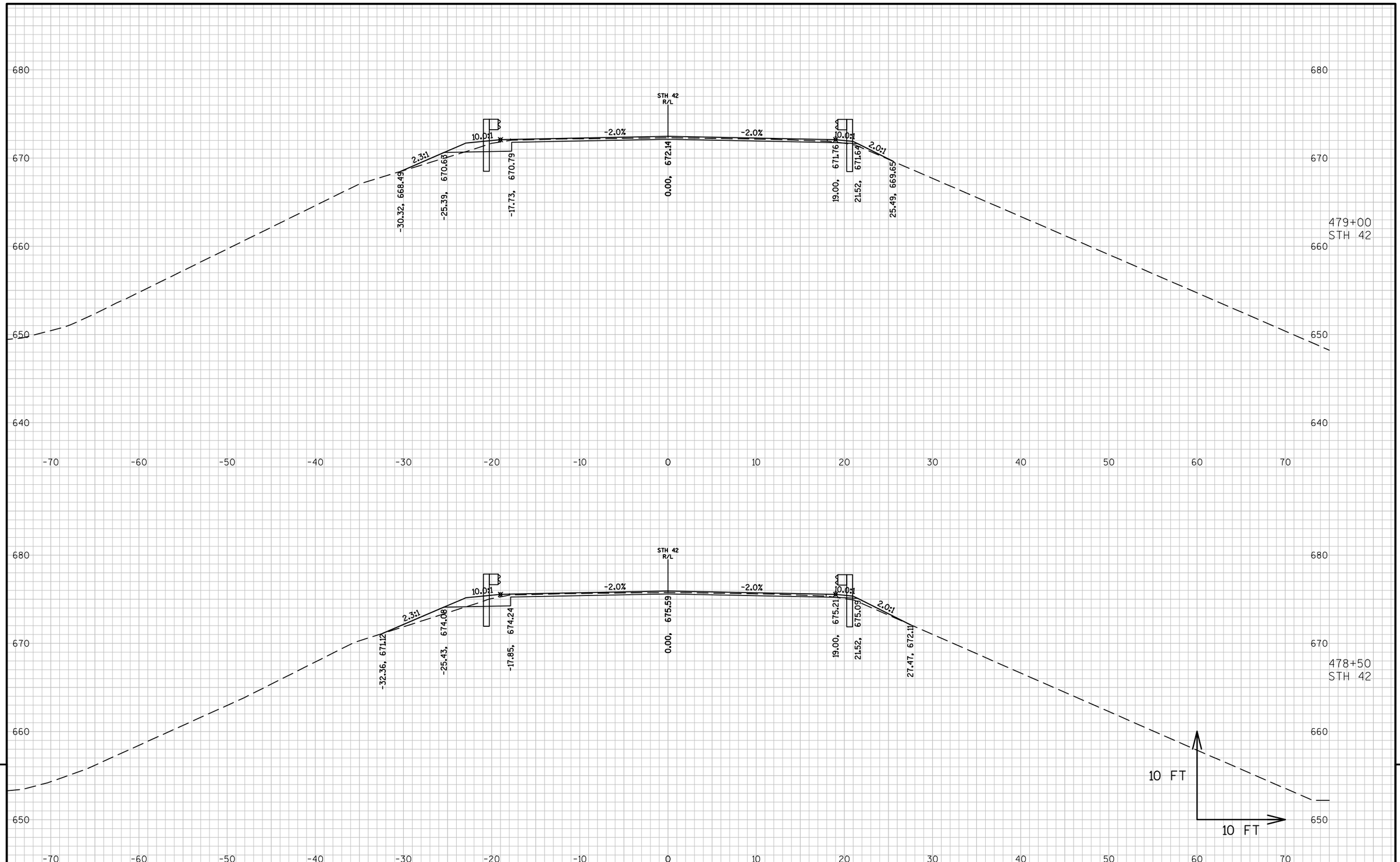


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 588	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902081-XS

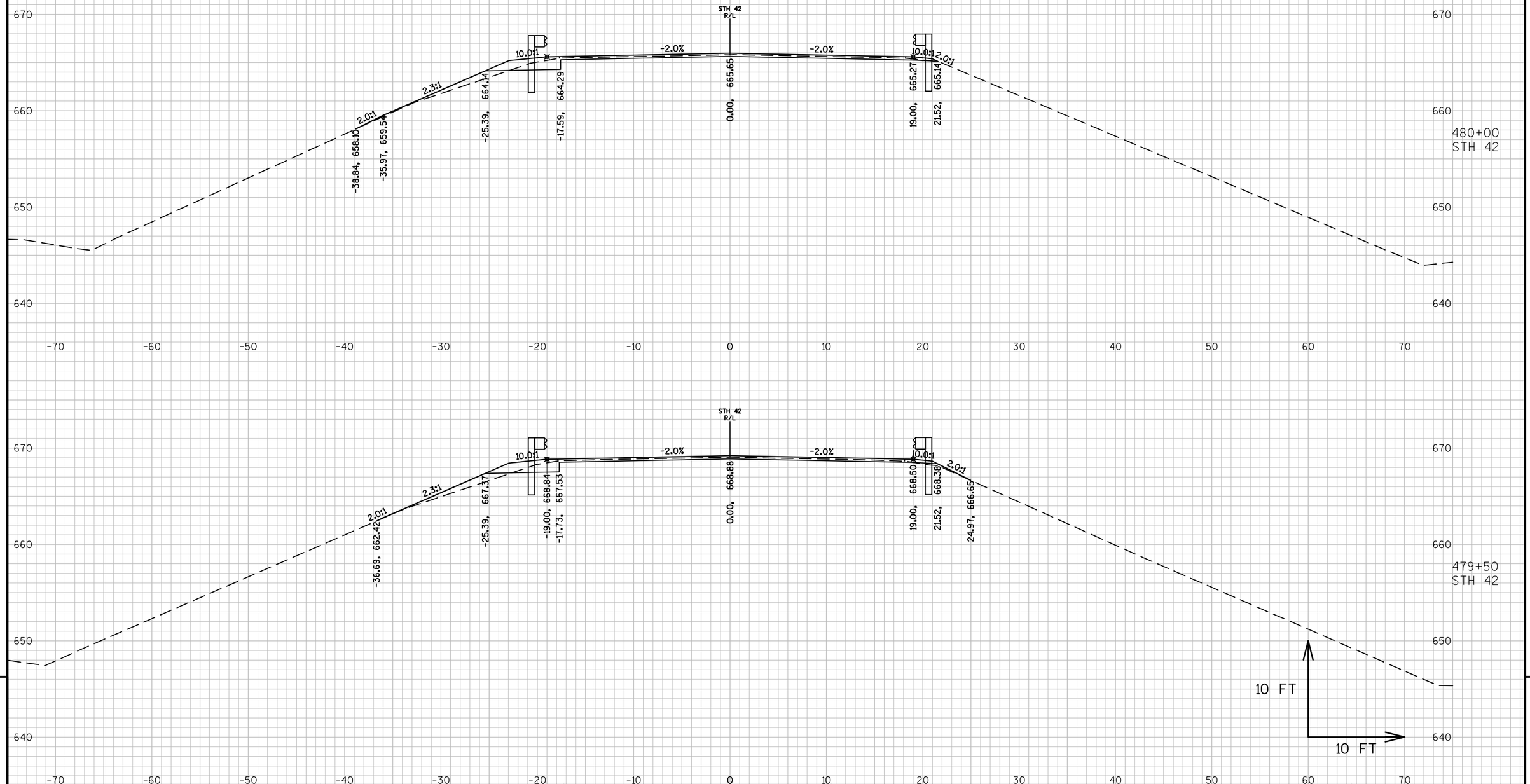
PLOT DATE : 10/11/2018 10:56 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

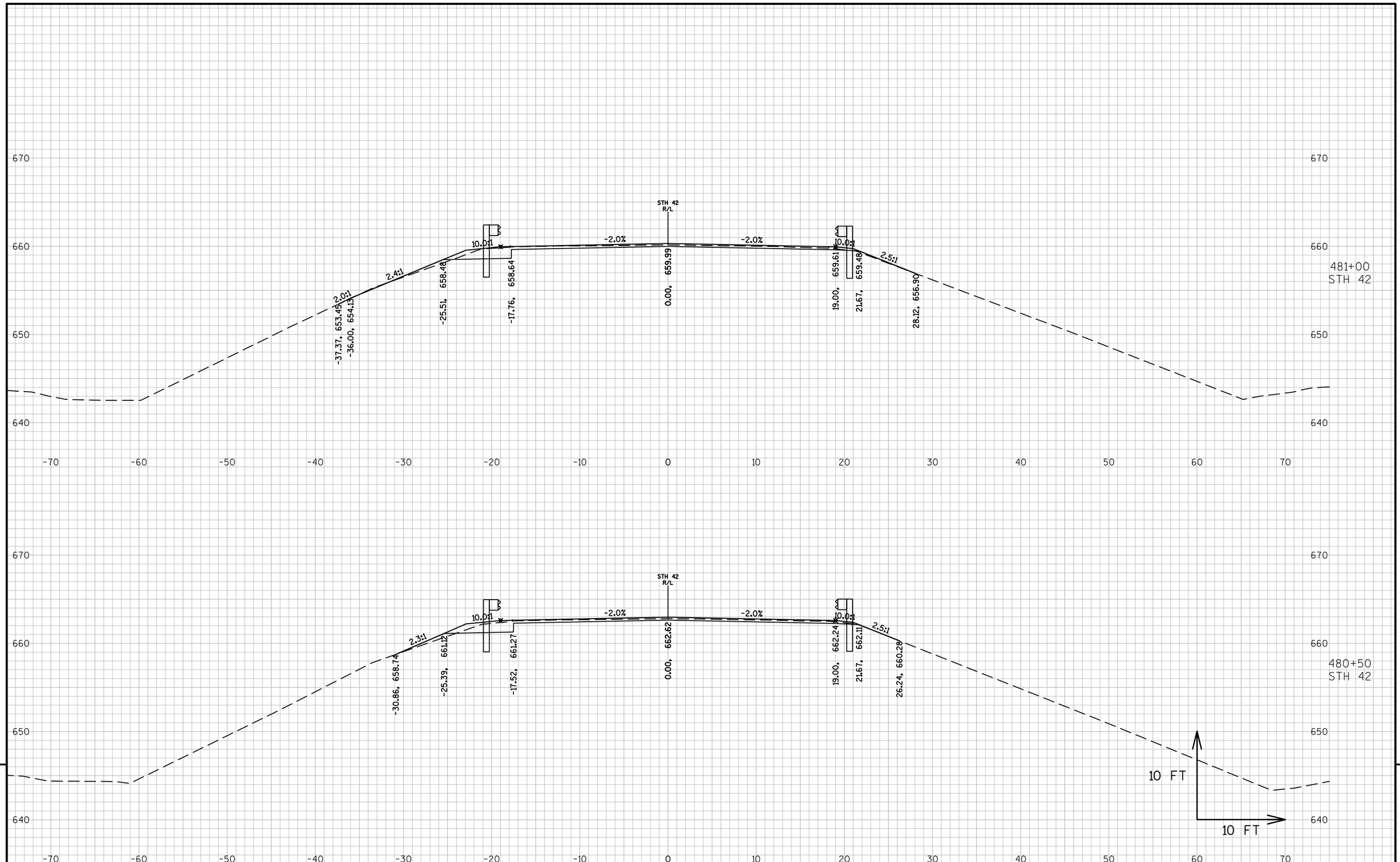


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 589	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902082-XS
PLOT DATE : 10/11/2018 10:58 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



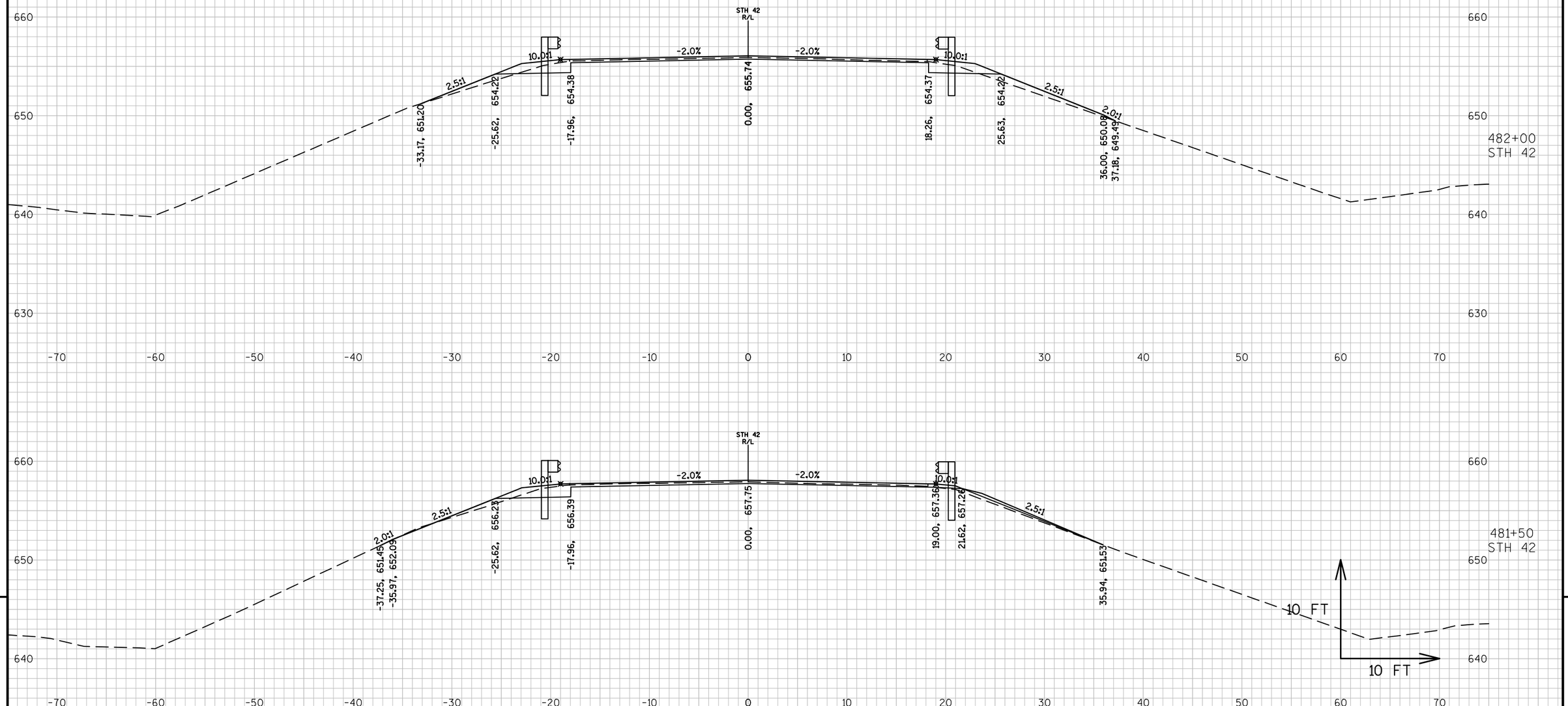
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 590	E



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 591	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902084-XS

PLOT DATE : 10/11/2018 11:01 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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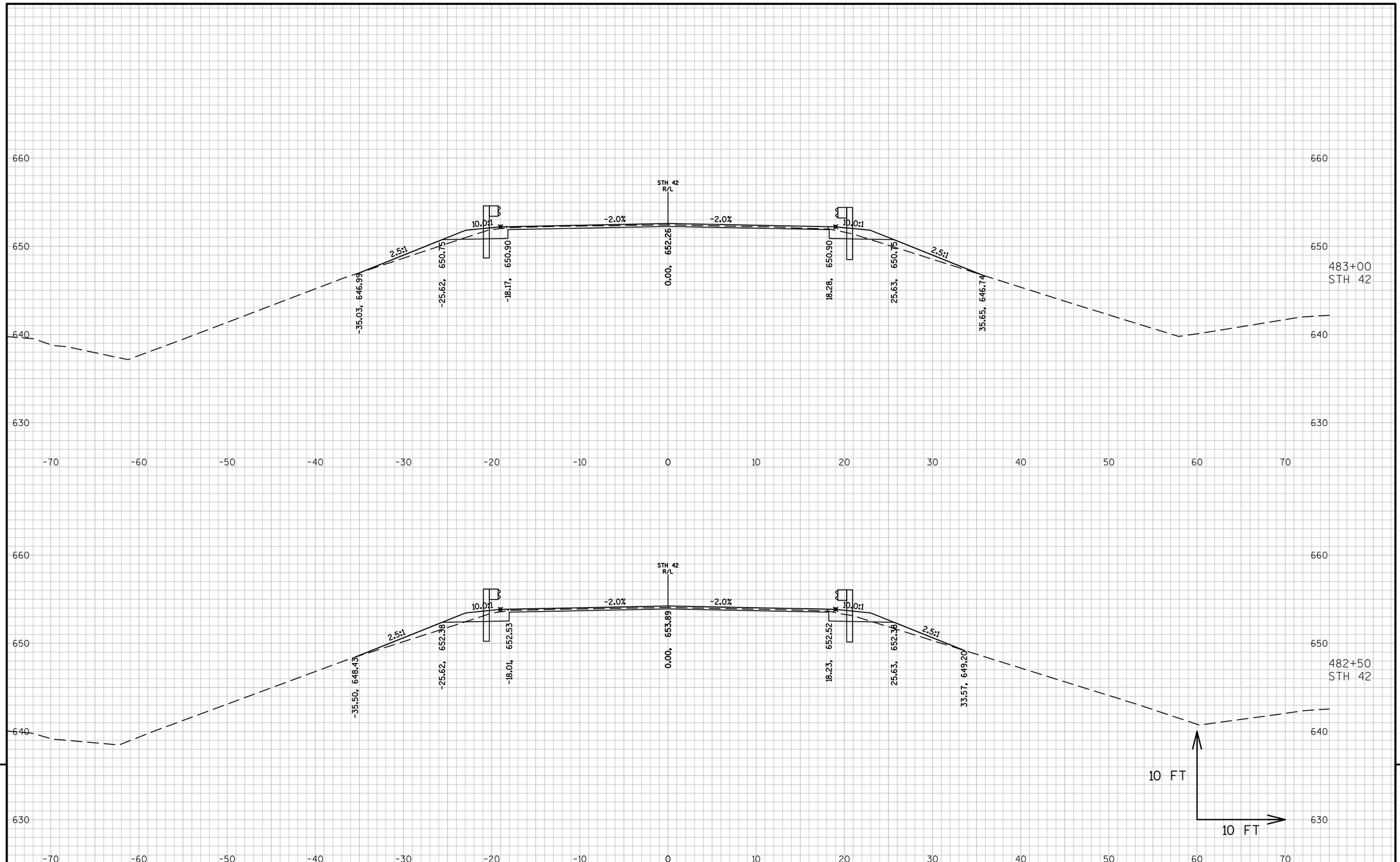
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 592	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902085-XS

PLOT DATE : 10/11/2018 11:03 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



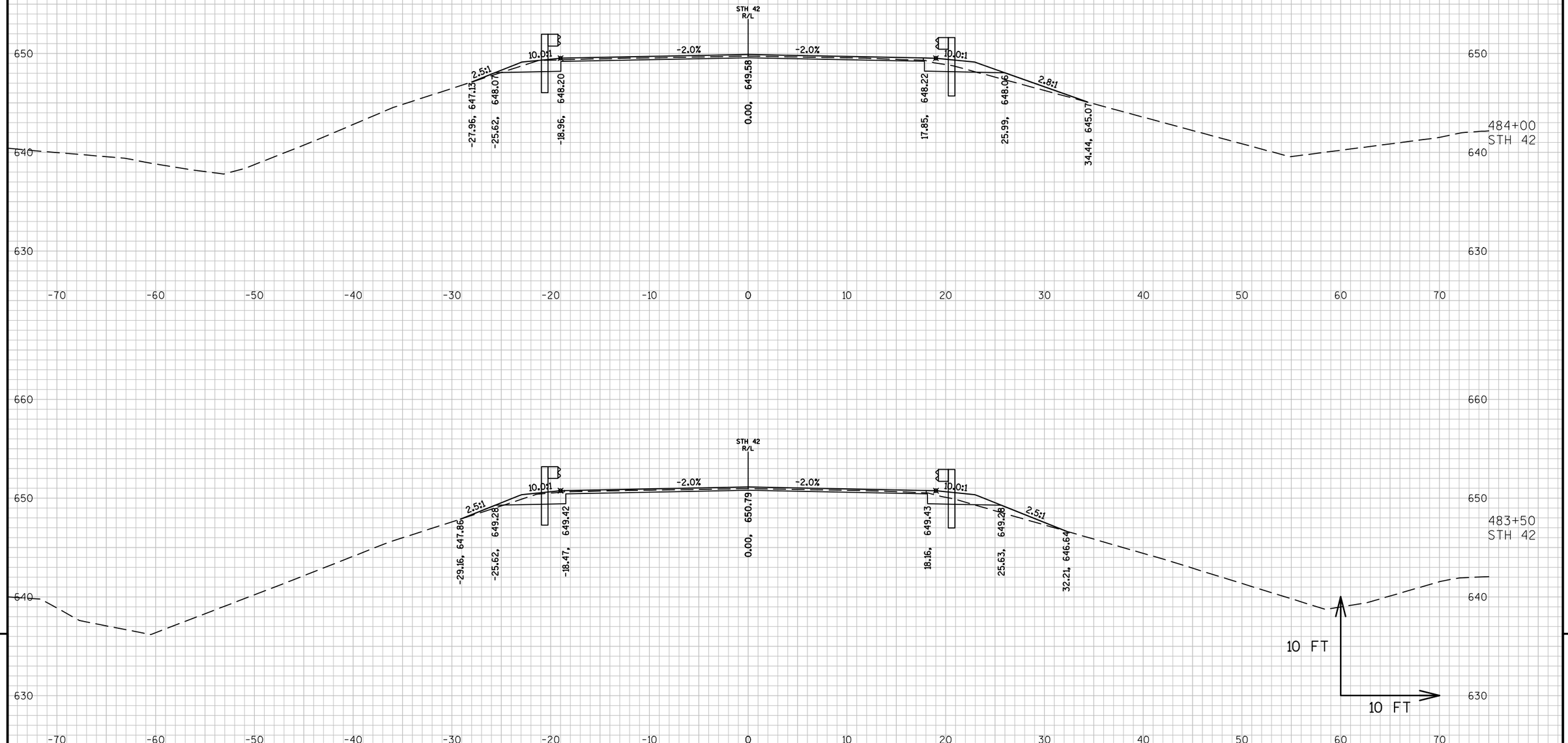
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 593	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902086-XS

PLOT DATE : 10/11/2018 11:04 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



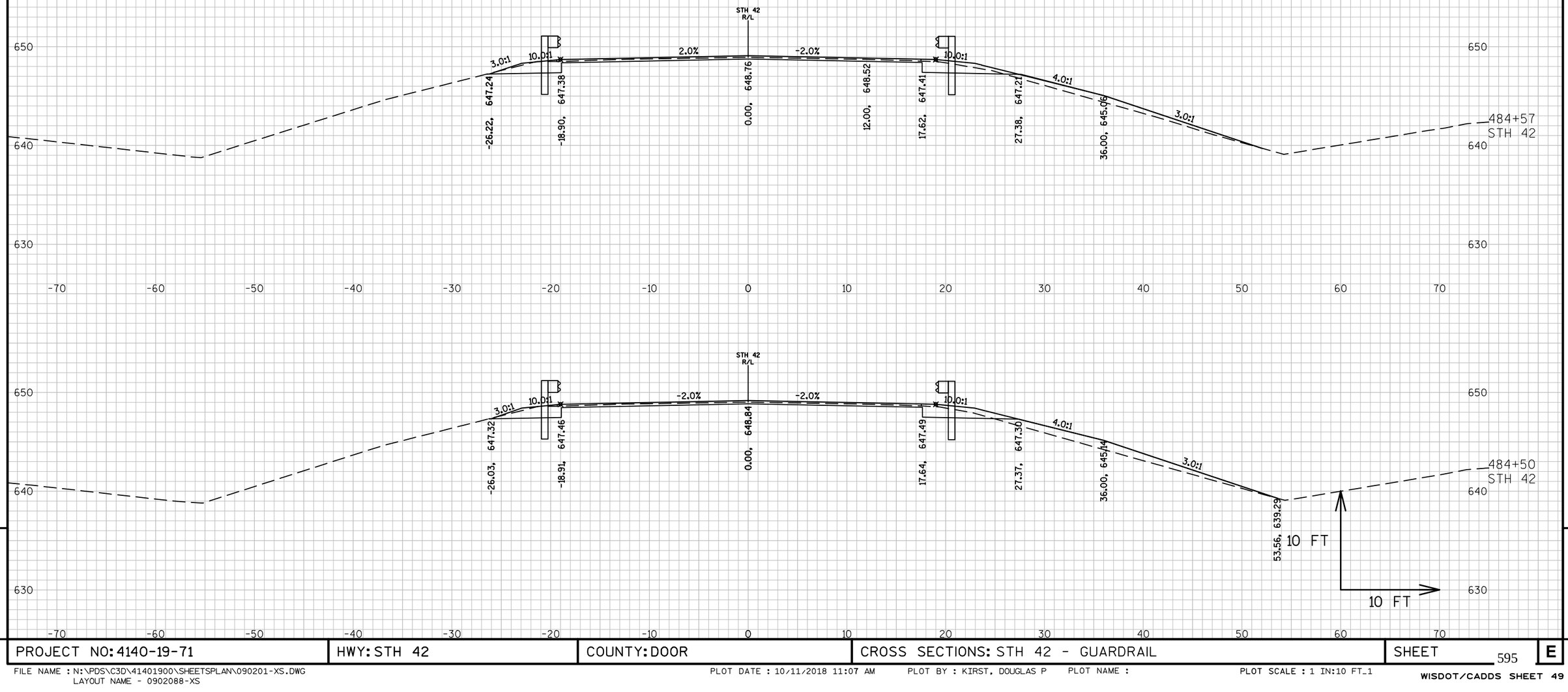
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 594	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902087-XS

PLOT DATE : 10/11/2018 11:06 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

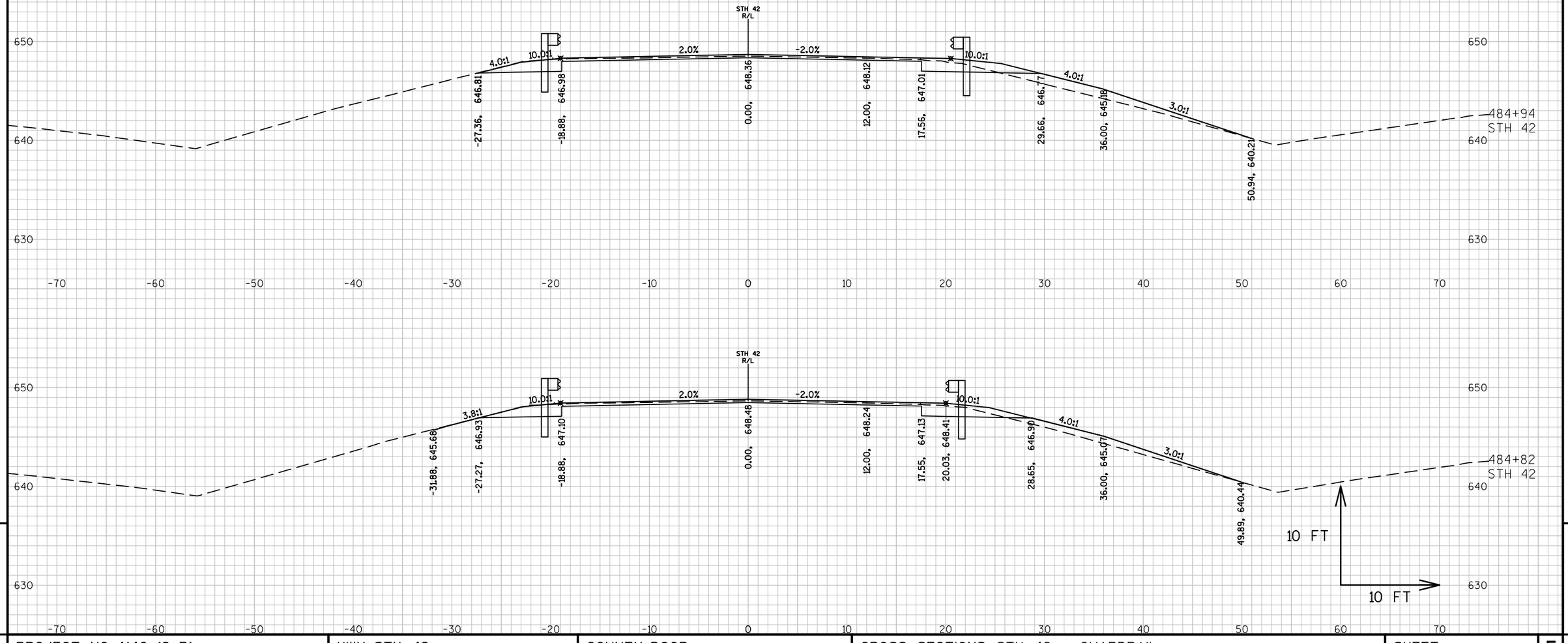


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 595	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902088-XS

PLOT DATE : 10/11/2018 11:07 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

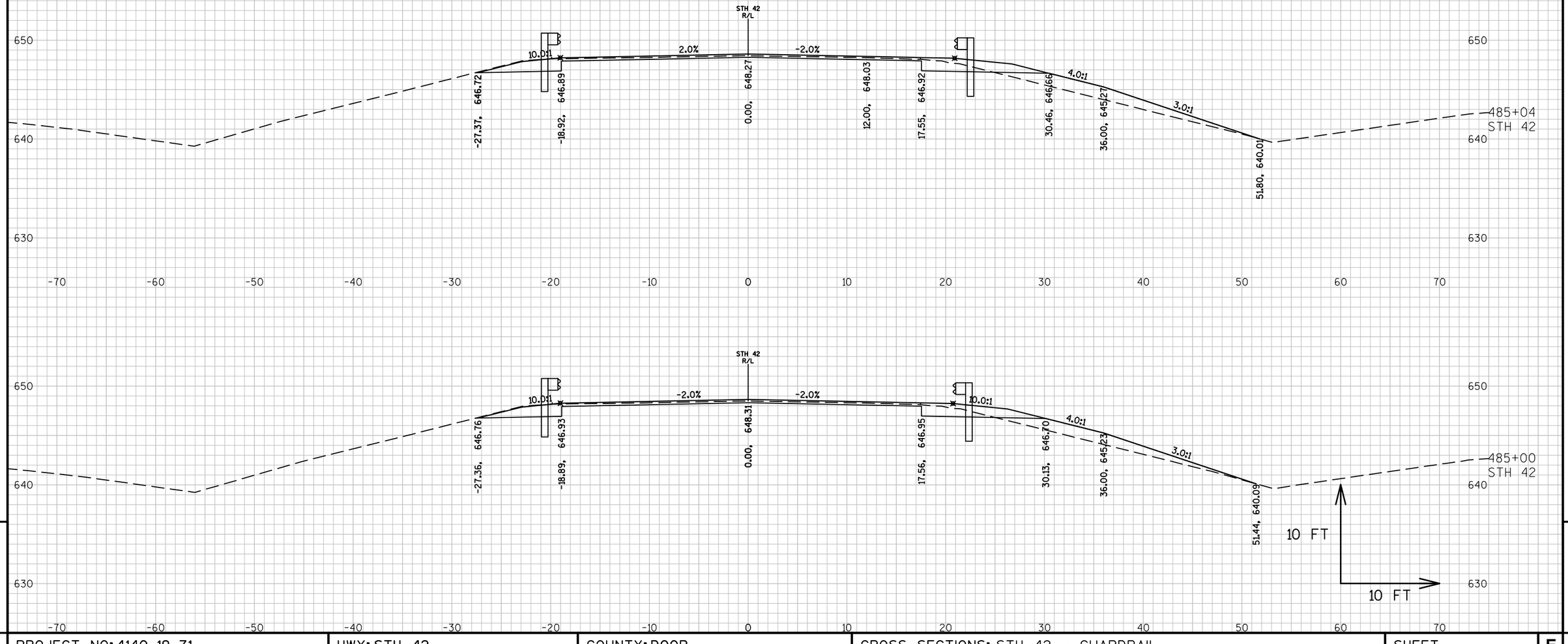


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 596	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902089-XS

PLOT DATE : 10/11/2018 11:09 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

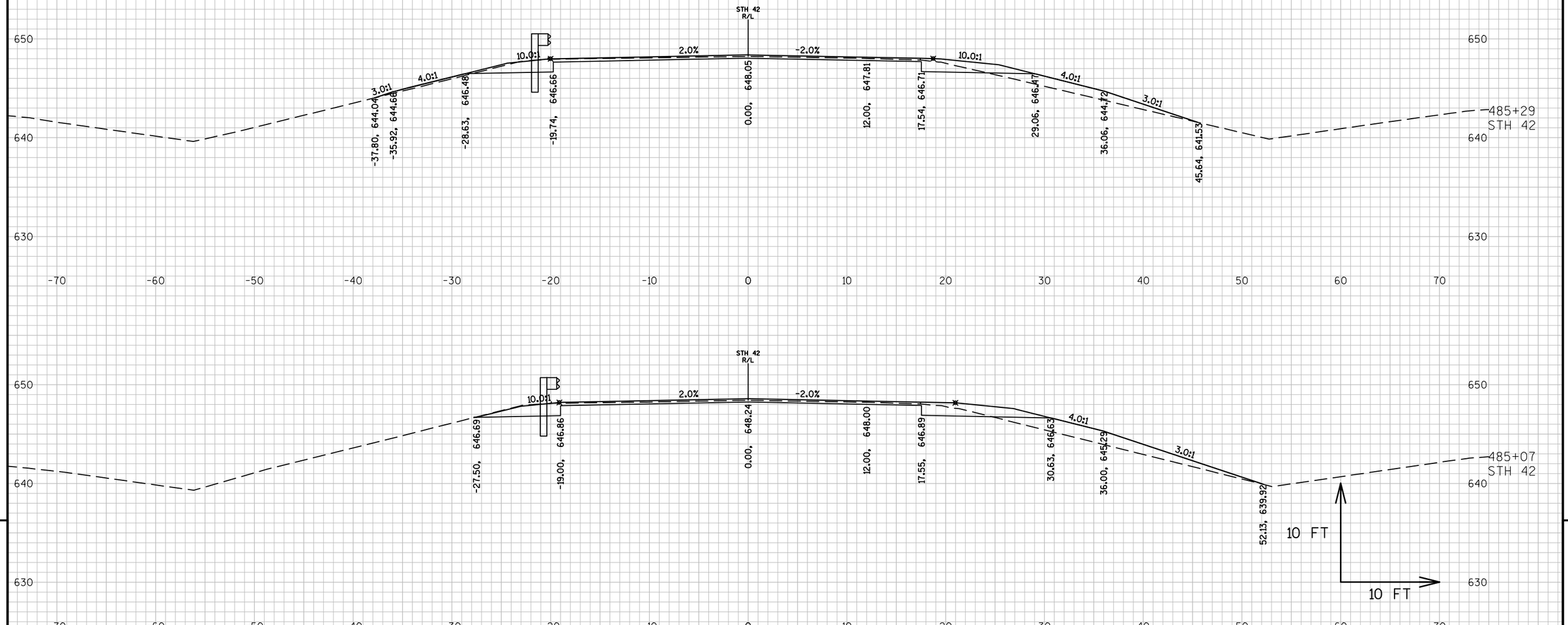


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 597	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902090-XS

PLOT DATE : 10/11/2018 11:11 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49

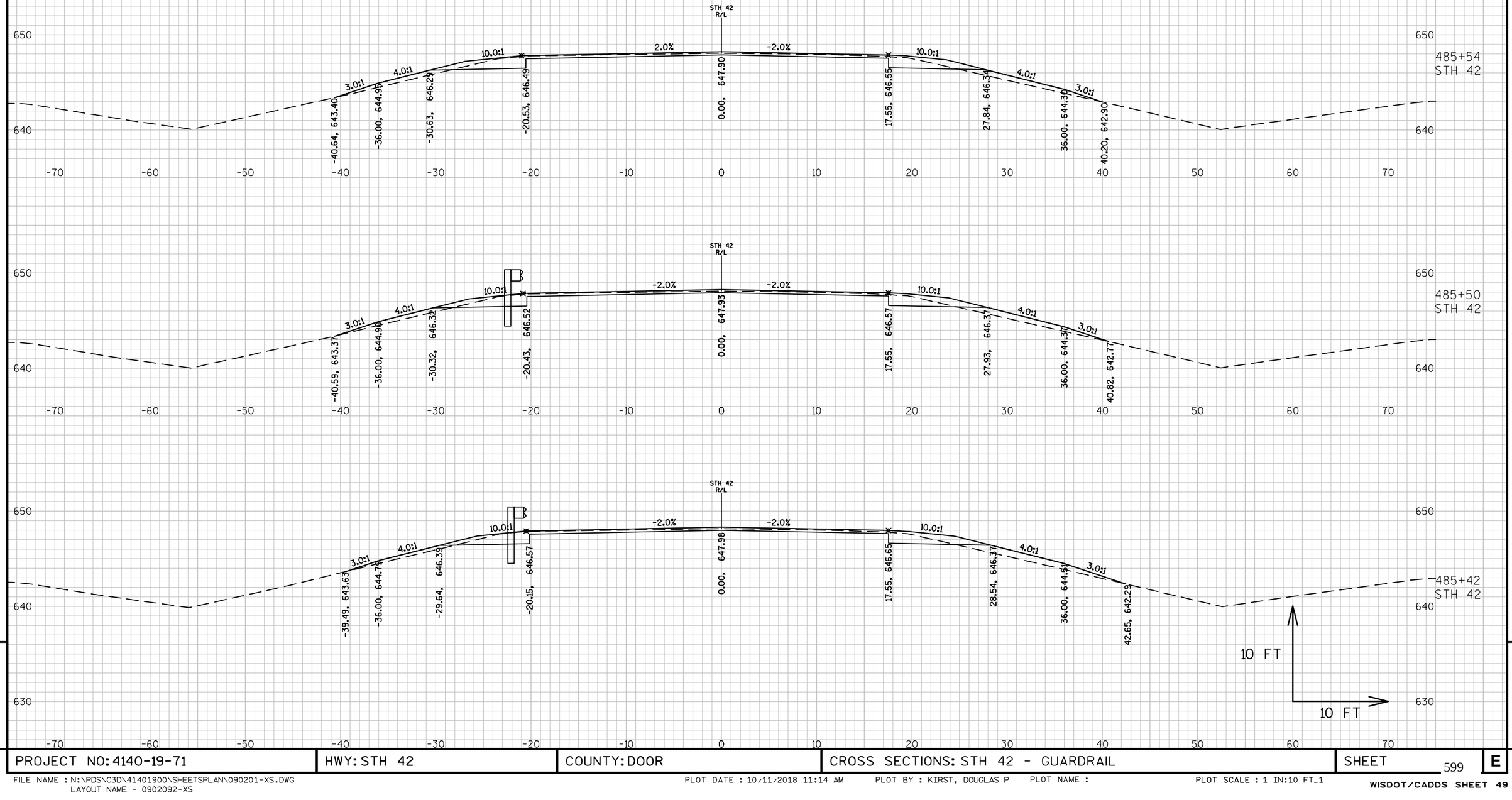


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 598	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902091-XS

PLOT DATE : 10/11/2018 11:12 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

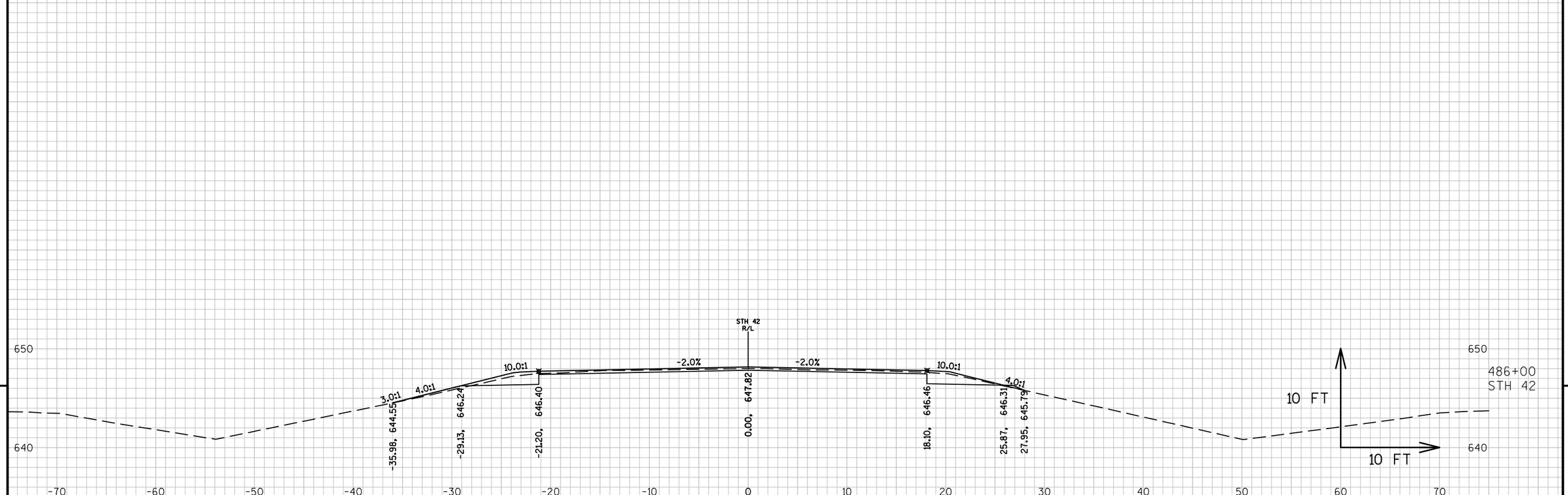
WISDOT/CADDS SHEET 49



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9

PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 599	E



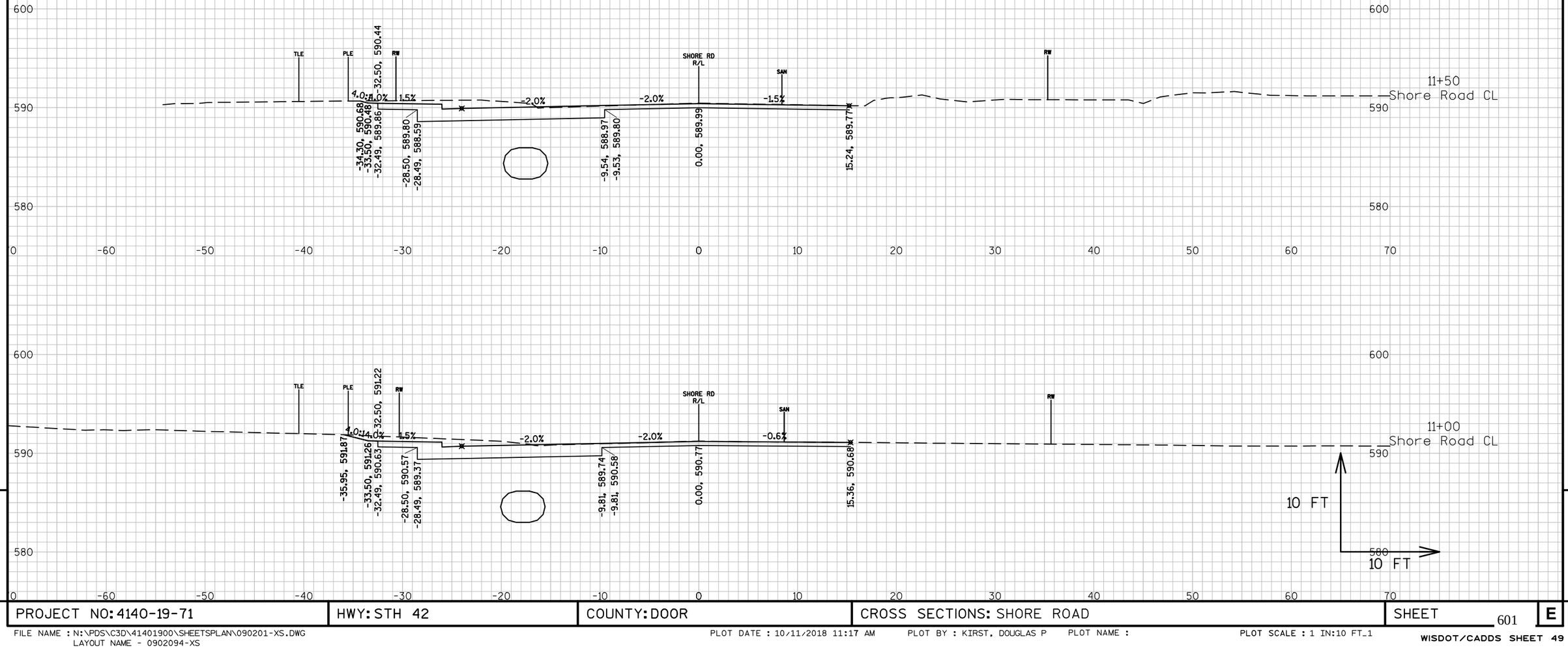
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42 - GUARDRAIL	SHEET 600	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902093-XS

PLOT DATE : 10/11/2018 11:15 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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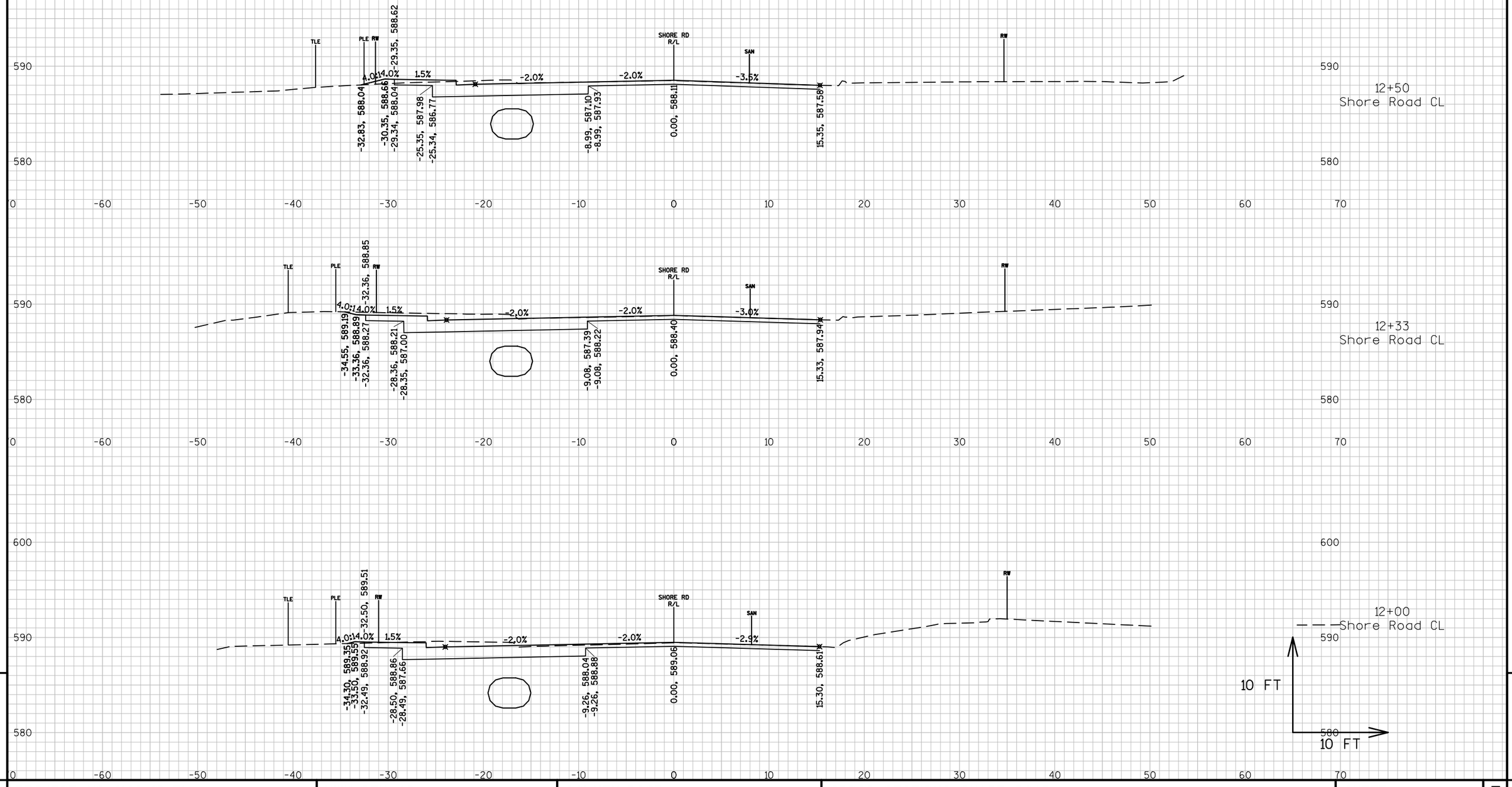
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SHORE ROAD	SHEET 601	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902094-XS

PLOT DATE : 10/11/2018 11:17 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

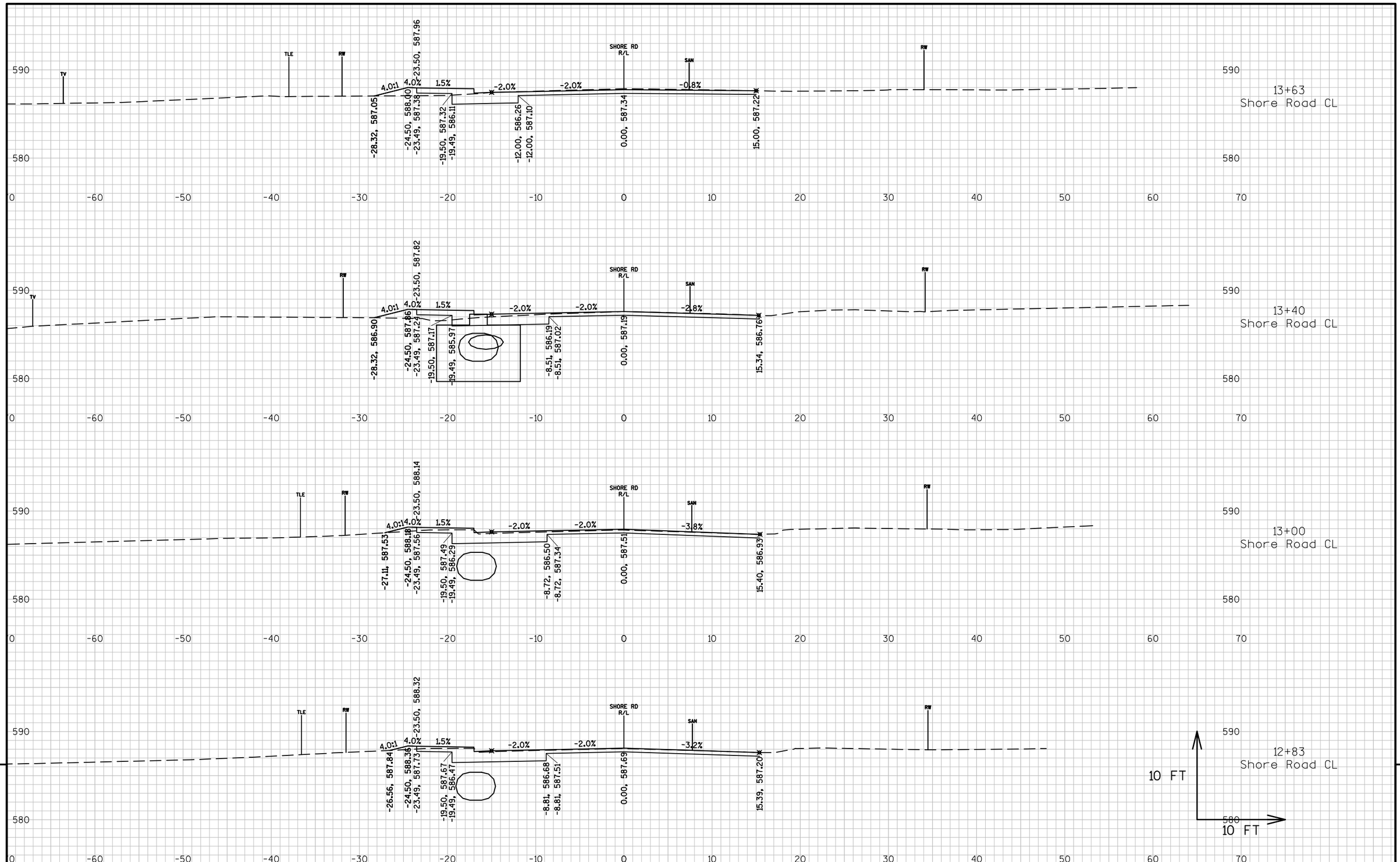
WISDOT/CADDS SHEET 49



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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SHORE ROAD	SHEET 602	E



9

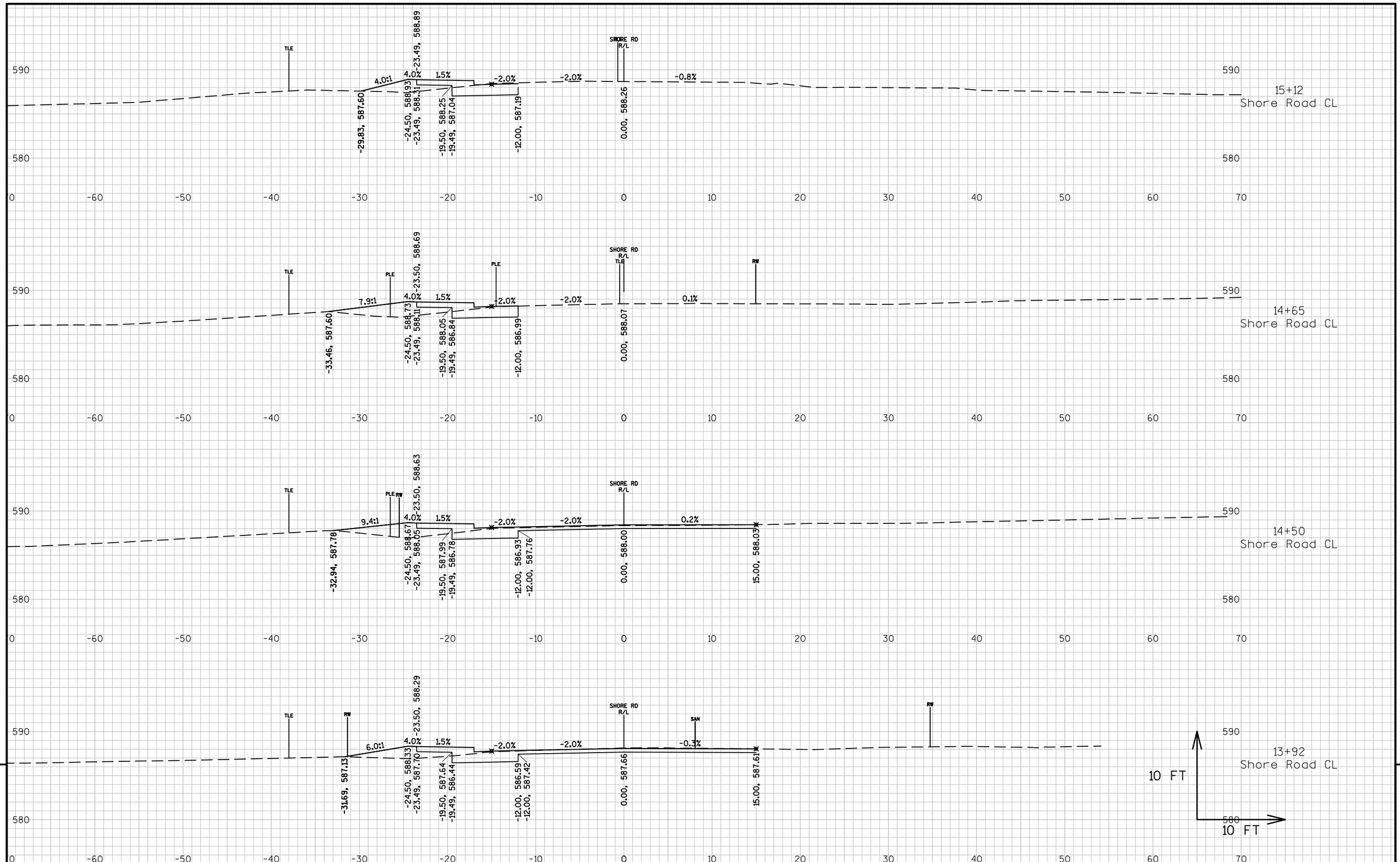
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SHORE ROAD	SHEET 603	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902096-XS

PLOT DATE : 10/11/2018 11:20 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



9

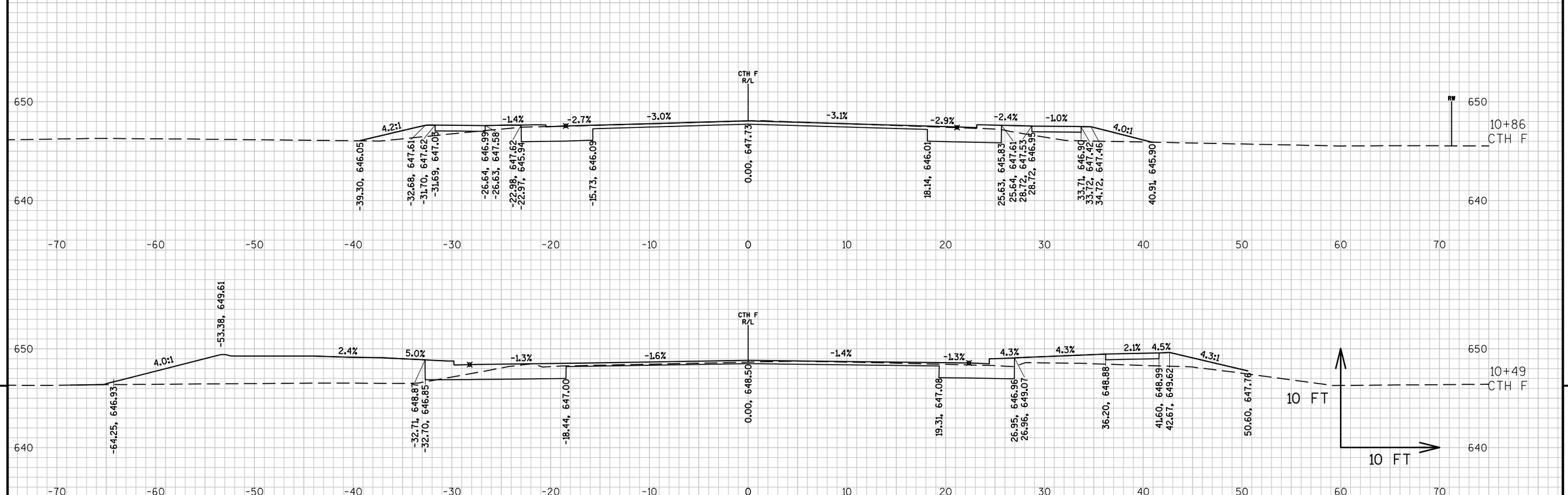
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SHORE ROAD	SHEET 604	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902097-XS

PLOT DATE : 10/11/2018 11:21 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



9

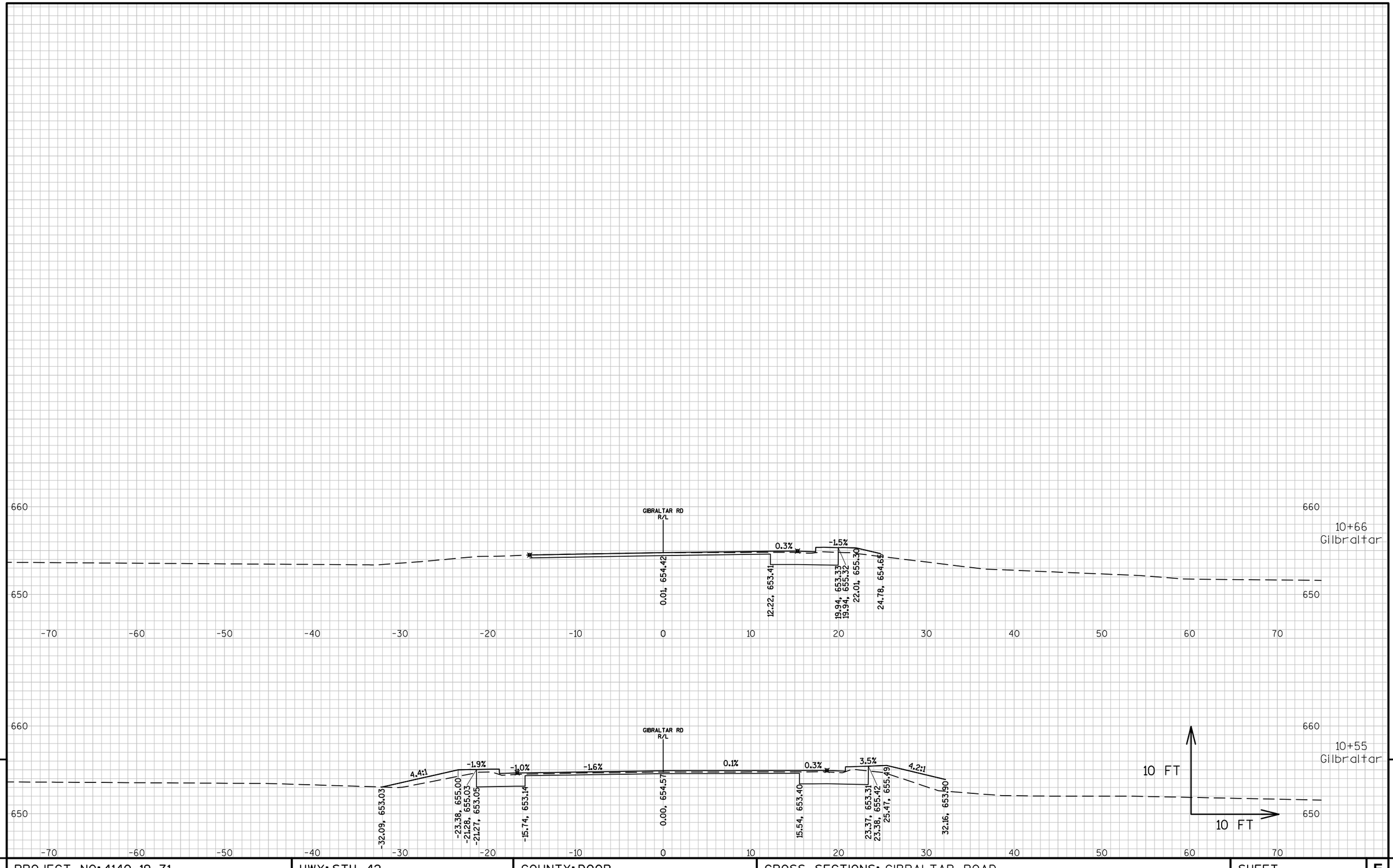
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: COUNTY F	SHEET 605	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902098-xs

PLOT DATE : 10/11/2018 11:23 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



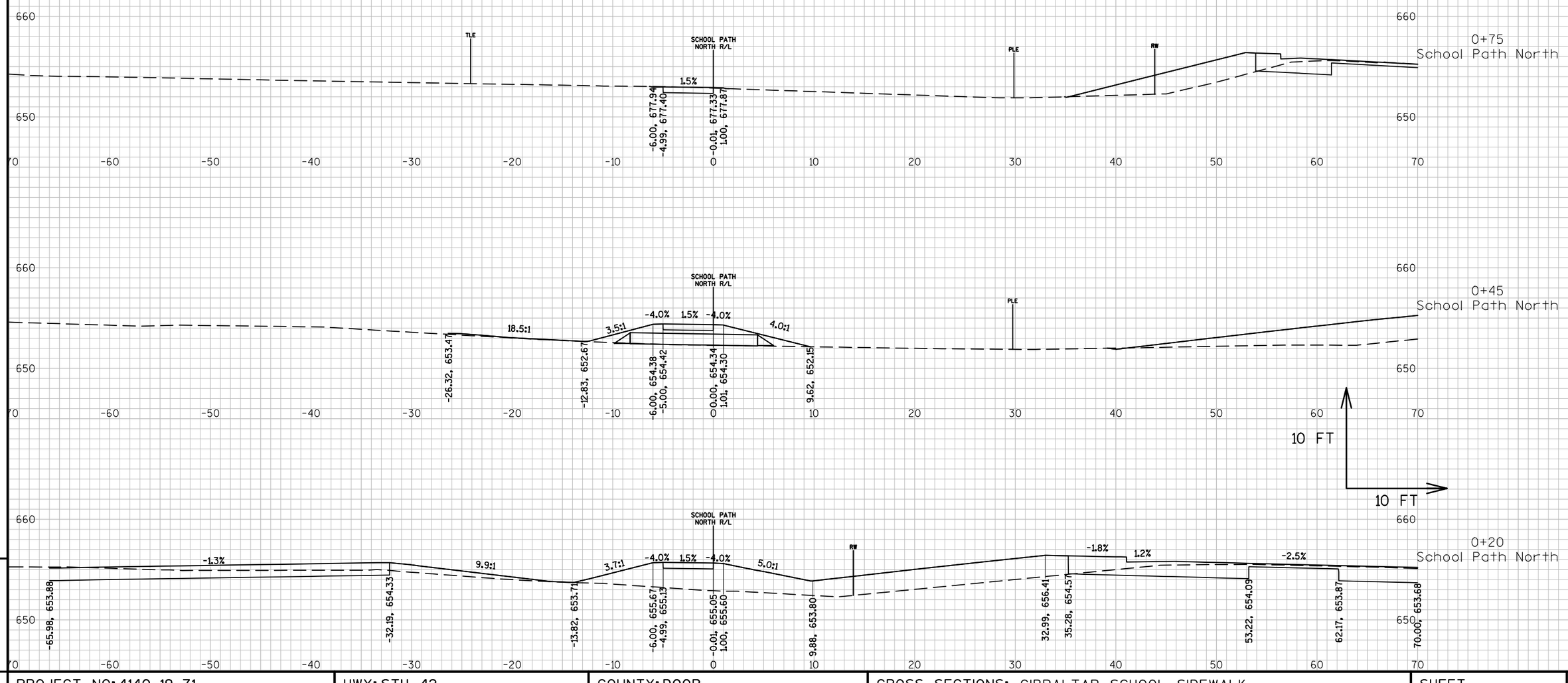
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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: GIBRALTAR ROAD	SHEET 606	E

FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902099-xs

PLOT DATE : 10/11/2018 11:24 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

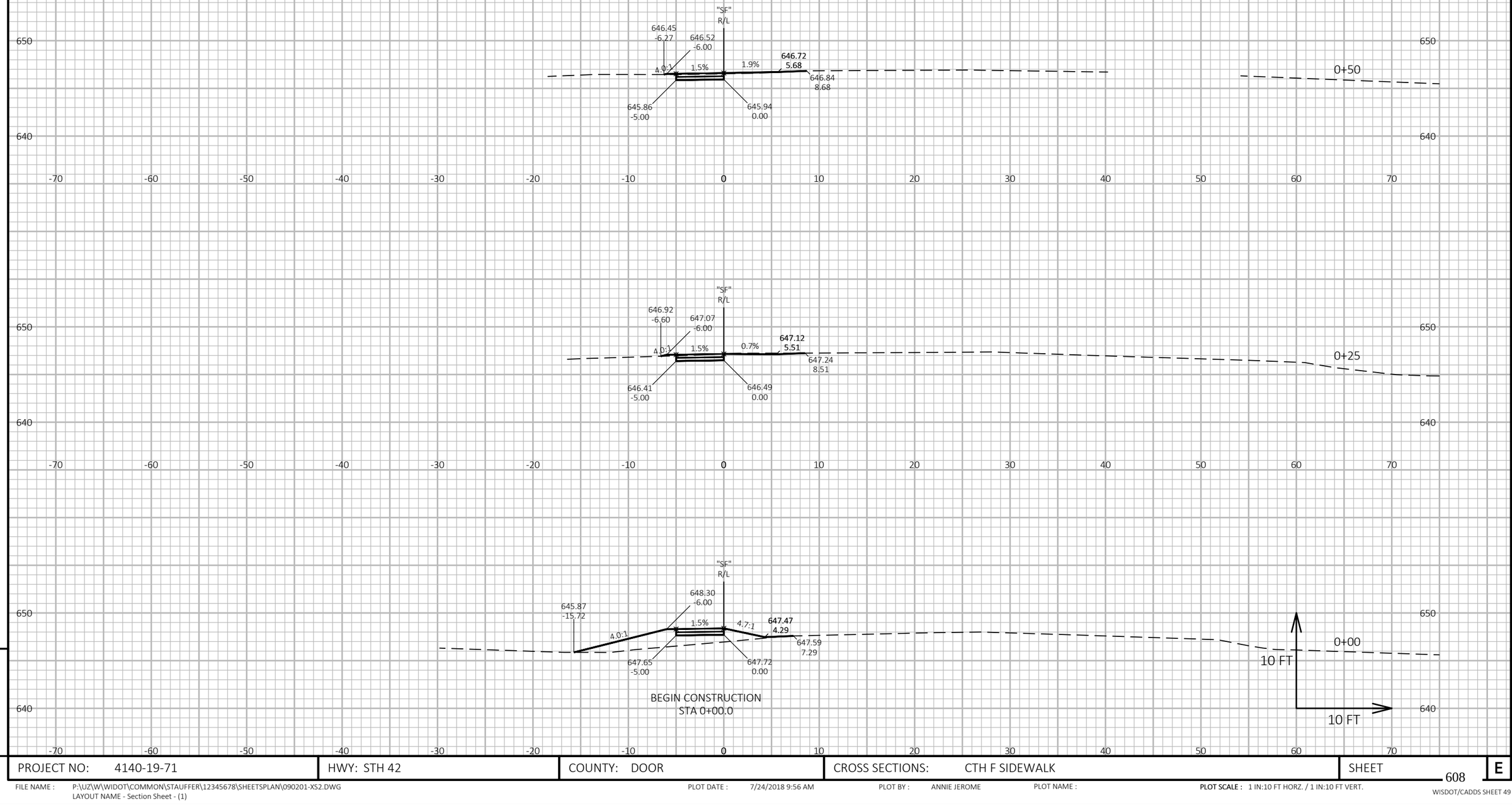


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: GIBRALTAR SCHOOL SIDEWALK	SHEET 607	E

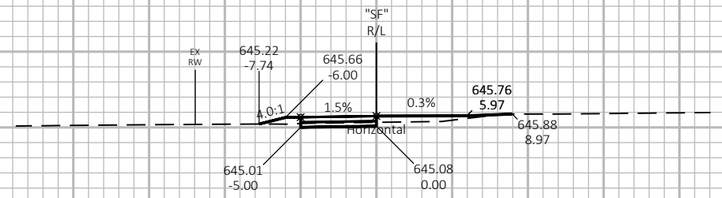
FILE NAME : N:\PDS\C3D\41401900\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 0902100-xs

PLOT DATE : 10/11/2018 11:26 AM PLOT BY : KIRST, DOUGLAS P PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

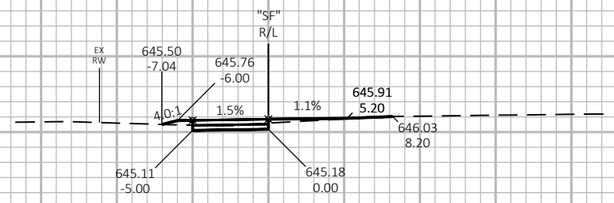
WISDOT/CADDS SHEET 49



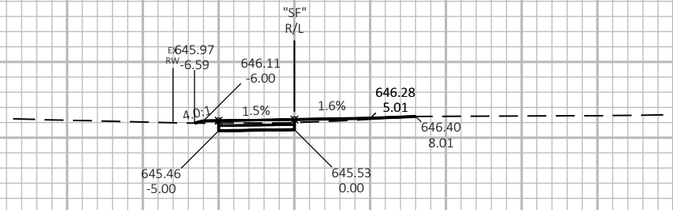
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: CTH F SIDEWALK	SHEET 608 E



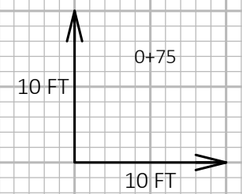
1+25



1+00



0+75



9

9

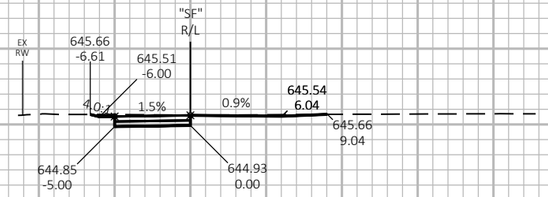
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: CTH F SIDEWALK	SHEET 609	E

FILE NAME : P:\UZ\W\WIDOT\COMMON\STAUFFER\12345678\SHEETSPLAN\090201-XS2.DWG
LAYOUT NAME - Section Sheet - (2)

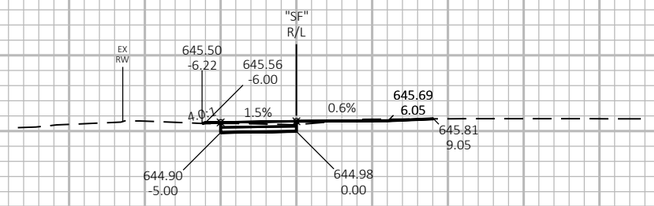
PLOT DATE : 7/24/2018 9:56 AM PLOT BY : ANNIE JEROME PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

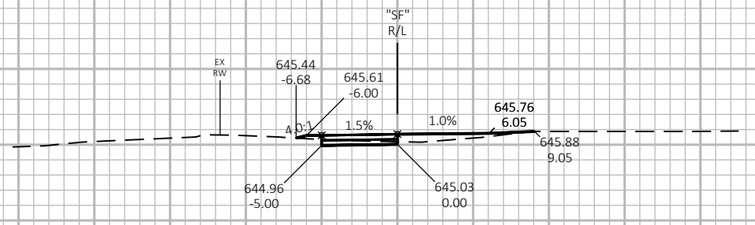
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STA 2+24.00



2+00



1+75



1+50



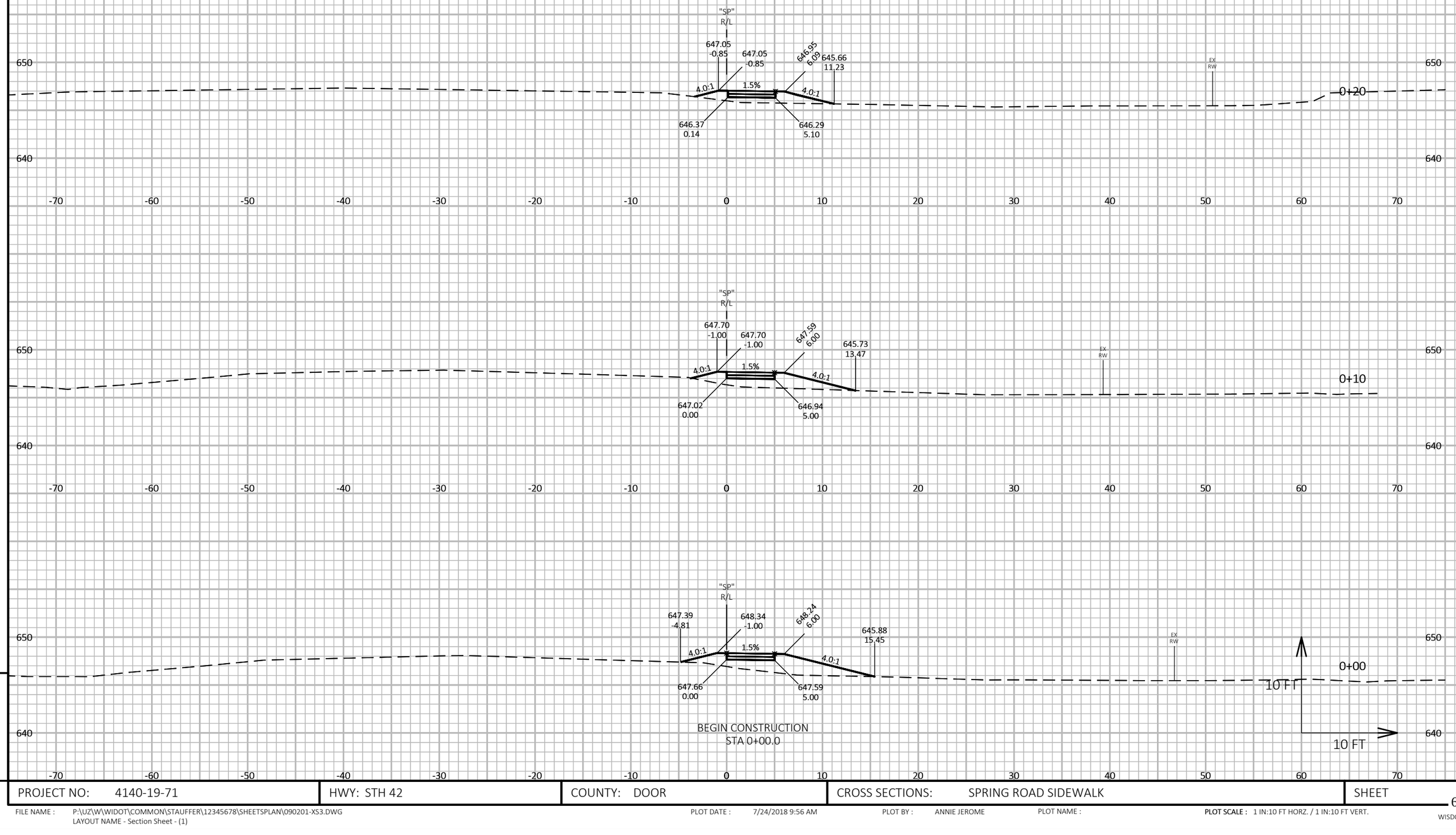
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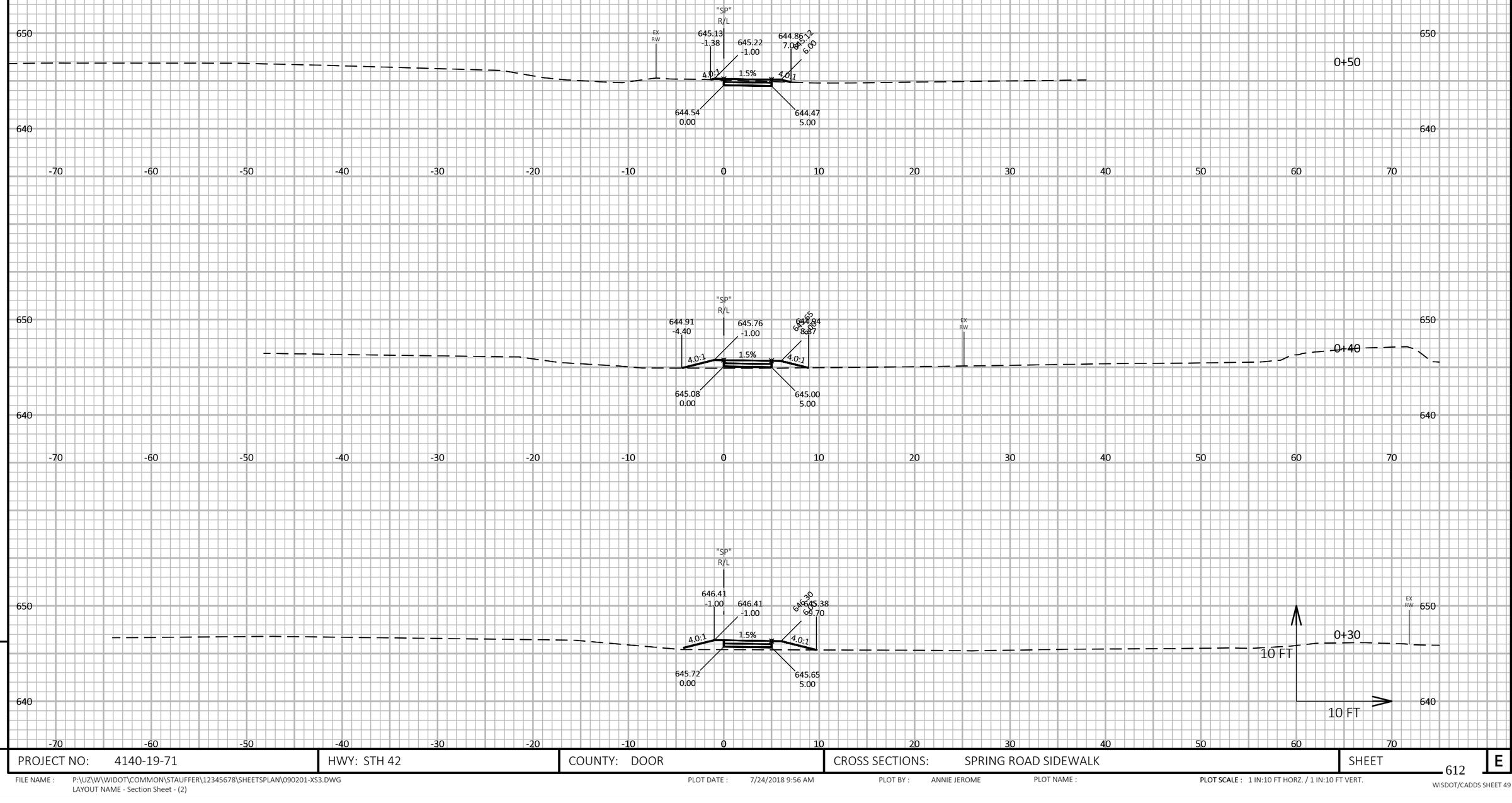
PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: CTH F SIDEWALK	SHEET 610	E

FILE NAME : P:\UZ\W\WIDOT\COMMON\STAUFFER\12345678\SHEETSPLAN\090201-XS2.DWG
LAYOUT NAME - Section Sheet - (3)

PLOT DATE : 7/24/2018 9:56 AM PLOT BY : ANNIE JEROME PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SPRING ROAD SIDEWALK	SHEET 611	E

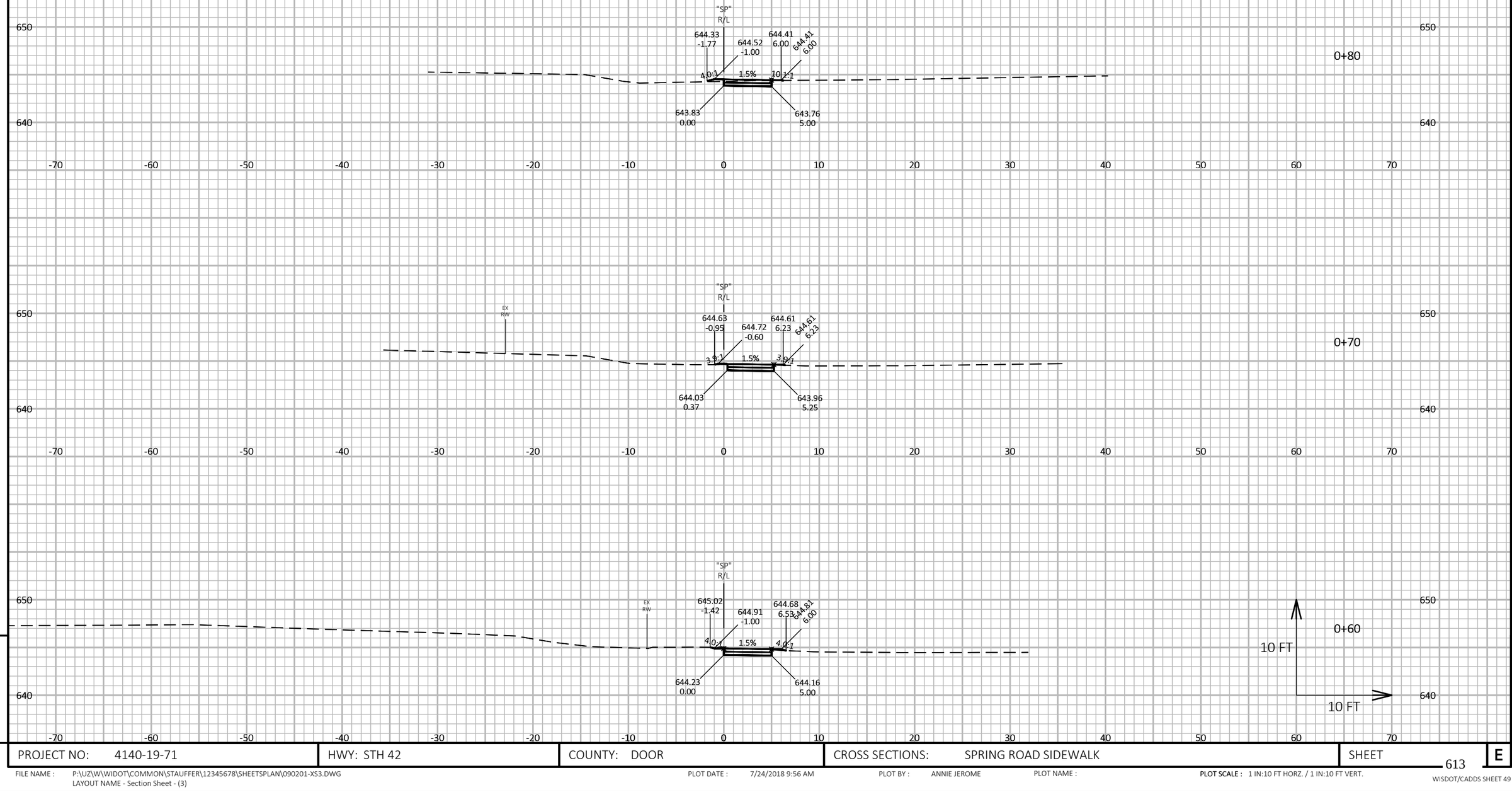


PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SPRING ROAD SIDEWALK	SHEET 612 E

FILE NAME : P:\UZ\W\WIDOT\COMMON\STAUFFER\12345678\SHEETSPLAN\090201-XS3.DWG
LAYOUT NAME - Section Sheet - (2)

PLOT DATE : 7/24/2018 9:56 AM PLOT BY : ANNIE JEROME PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SPRING ROAD SIDEWALK	SHEET 613	E

FILE NAME : P:\UZ\W\WIDOT\COMMON\STAUFFER\12345678\SHEETSPLAN\090201-XS3.DWG
LAYOUT NAME - Section Sheet - (3)

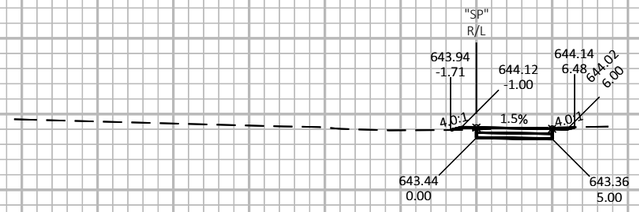
PLOT DATE : 7/24/2018 9:56 AM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

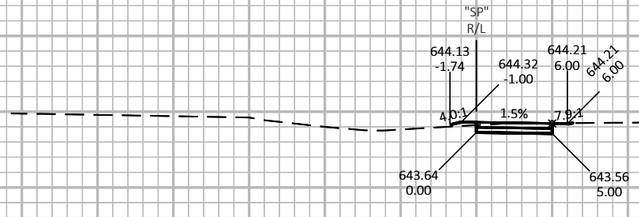
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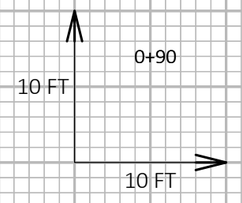
1+04



1+00



0+90



9

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PROJECT NO: 4140-19-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SPRING ROAD SIDEWALK	SHEET 614	E

FILE NAME : P:\UZ\W\WIDOT\COMMON\STAUFFER\12345678\SHEETSPLAN\090201-XS3.DWG
LAYOUT NAME - Section Sheet - (4)

PLOT DATE : 7/24/2018 9:56 AM

PLOT BY : ANNIE JEROME

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

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