GRE

MAY 2015

PROJECT ID: 4610-06-71

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 = 416



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

VILLAGE OF SISTER BAY

COUNTRY WALK DRIVE - SCANDIA ROAD

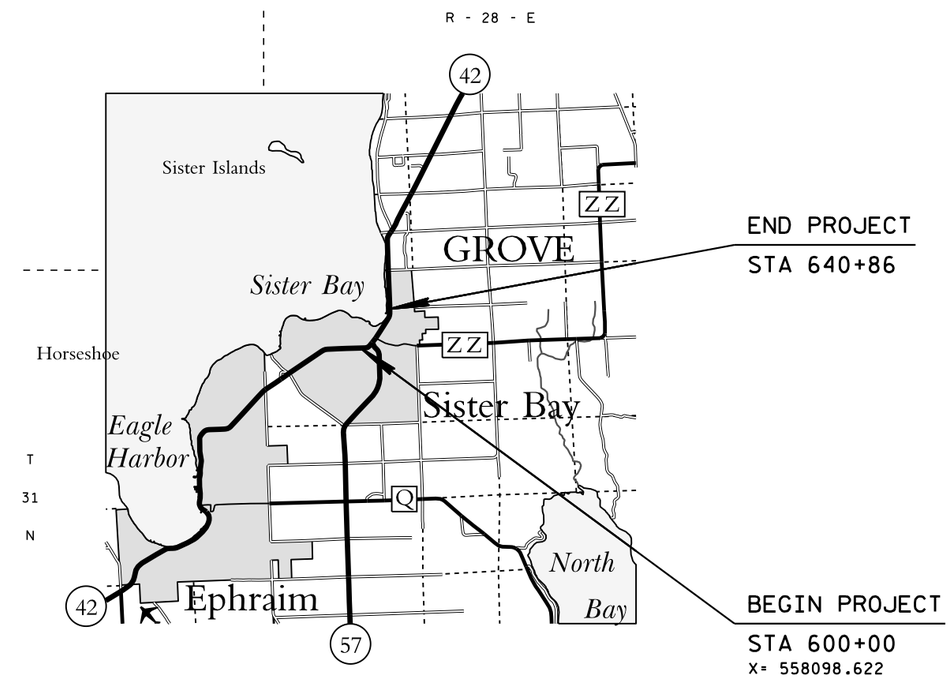
STH 42

DOOR COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4610-06-71	WISC 2015295	1

STATE PROJECT NUMBER

4610-06-71



DESIGN DESIGNATION

A.A.D.T. 2013	=	7,000
A.A.D.T. 2033	=	8,600
D.H.V.	=	396
D.D.	=	63-37
T.	=	5.8%
DESIGN SPEED	=	35 MPH
ESALS	=	1,547,600

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

LAYOUT

SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.77 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), NAD 83 (1991), DOOR COUNTY.

ALL ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD 88 (1991), DOOR COUNTY.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	WDOT NE REGION
Designer	A. E. FARRELL
Project Manager	J.J. ASHAUER
Regional Examiner	
Regional Supervisor	J. F. THOMPSON
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: _____ Alan E. Farrell (Signature)

E

UTILITIES

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WISDOT DESIGN CONTACT

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920-492-4172
ALAN.FARRELL@DOT.WI.GOV

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

GENERAL NOTES

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND ALL UTILITIES IN THE VICINITY OF THE PROJECT TO LOCATE THEIR FACILITIES AT LEAST THREE WORKING DAYS PRIOR TO BEGINNING WORK.

CURVE DATA IS BASED ON ARC DEFINITION.

CROSS SLOPES AS SHOWN ON THE TYPICAL SECTION WILL VARY AT THE INTERSECTIONS. SEE DETAIL SHEETS AND CROSS SECTIONS FOR SLOPES AND GRADES.

ALL RADII ARE MEASURED TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.

EXPANSION JOINTS TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER OR AT LOCATIONS SHOWN ON THE PLAN.

CONSTRUCT INSIDE EDGE OF SIDEWALK 0.5-INCH HIGHER THAN TOP OF CURB WHEN THEY ARE ADJACENT TO EACH OTHER.

ITEMS SHOWN ON THE PLANS AND NOT INCLUDED IN THE ESTIMATE OF QUANTITIES ARE NOT PART OF THIS CONTRACT.

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.

WHEN PORTIONS OF EXISTING ASPHALTIC SURFACES ARE TO BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE LINE OF SUCH REMOVAL SHALL BE NEATLY DELINEATED WITH A SAW CUT JOINT THROUGH THE ASPHALTIC SURFACE SO THAT REMOVAL OF THE ASPHALT SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS. THE LOCATION OF SAW JOINTS AND THE AMOUNT REMOVED AT SIDE ROADS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATION OF ASPHALTIC CONCRETE DRIVEWAYS, SIDEWALKS OR SIDE STREETS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER.

MAINLINE CLEARING AND GRUBBING SHALL INCLUDE ADJACENT VISION CORNERS AS DIRECTED BY THE ENGINEER.

PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT OR A SAWED EDGE WILL BE REQUIRED AS DIRECTED BY THE ENGINEER.

ROADWAY EXCAVATION HAS BEEN ESTIMATED BY "SHRINK THE CUT" METHOD.

CONTRACTOR SHALL NOT PERFORM EXCAVATION ACTIVITIES OF ANY TYPE IN AREAS IDENTIFIED WITH SOIL AND GROUNDWATER CONTAMINATION AS SHOWN ON THE PLANS OR IDENTIFIED BY THE ENGINEER.

EXISTING DRAINAGE DITCHES AND CULVERT PIPES WILL REMAIN FUNCTIONAL DURING EXCAVATION OPERATIONS.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

CATCH BASIN GRATE ELEVATIONS REFERRED TO ON CATCH BASIN NOTES ARE GUTTER FLOW LINE ELEVATIONS.

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED, FERTILIZED, SEEDED, AND MULCHED OR SODDED AS DIRECTED BY THE ENGINEER.

TOPSOIL SHALL BE PLACED 0.5-INCH BELOW THE TOP OF THE CONCRETE CURB AND GUTTER OR SIDEWALK. THE QUANTITY OF THE ITEMS SEEDING, FERTILIZER, MULCHING AND SOD INCLUDES AN UNDISTRIBUTED AMOUNT FOR PROTECTION, CONTROL AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERIALS ARE TO BE DETERMINED BY THE ENGINEER.

IN THE PERFORMANCE OF THE WORK UNDER THE ITEM MULCHING, ALL AREAS SEEDED AND FERTILIZED SHALL BE MULCHED AS DIRECTED BY THE ENGINEER.

PRIOR TO PLACING NEW SHOULDER MATERIAL ON EXISTING SHOULDERS, THE EXISTING SHOULDERS SHALL BE SHAPED AND COMPACTED TO PROVIDE A MINIMUM DEPTH OF 4-INCHES OF NEW SHOULDER MATERIAL ADJACENT TO THE SURFACE OF THE NEW PAVEMENT. MATERIAL EXCAVATED FOR THIS PURPOSE SHALL BE DEPOSITED ON THE OUTER PORTION OF THE EXISTING SHOULDER OR AS DIRECTED BY THE ENGINEER.

SHAPING, TRIMMING AND DISPOSAL OF EXISTING SHOULDERS WILL BE INCIDENTAL TO THE BID ITEM OF CRUSHED AGGREGATE BASE COURSE.

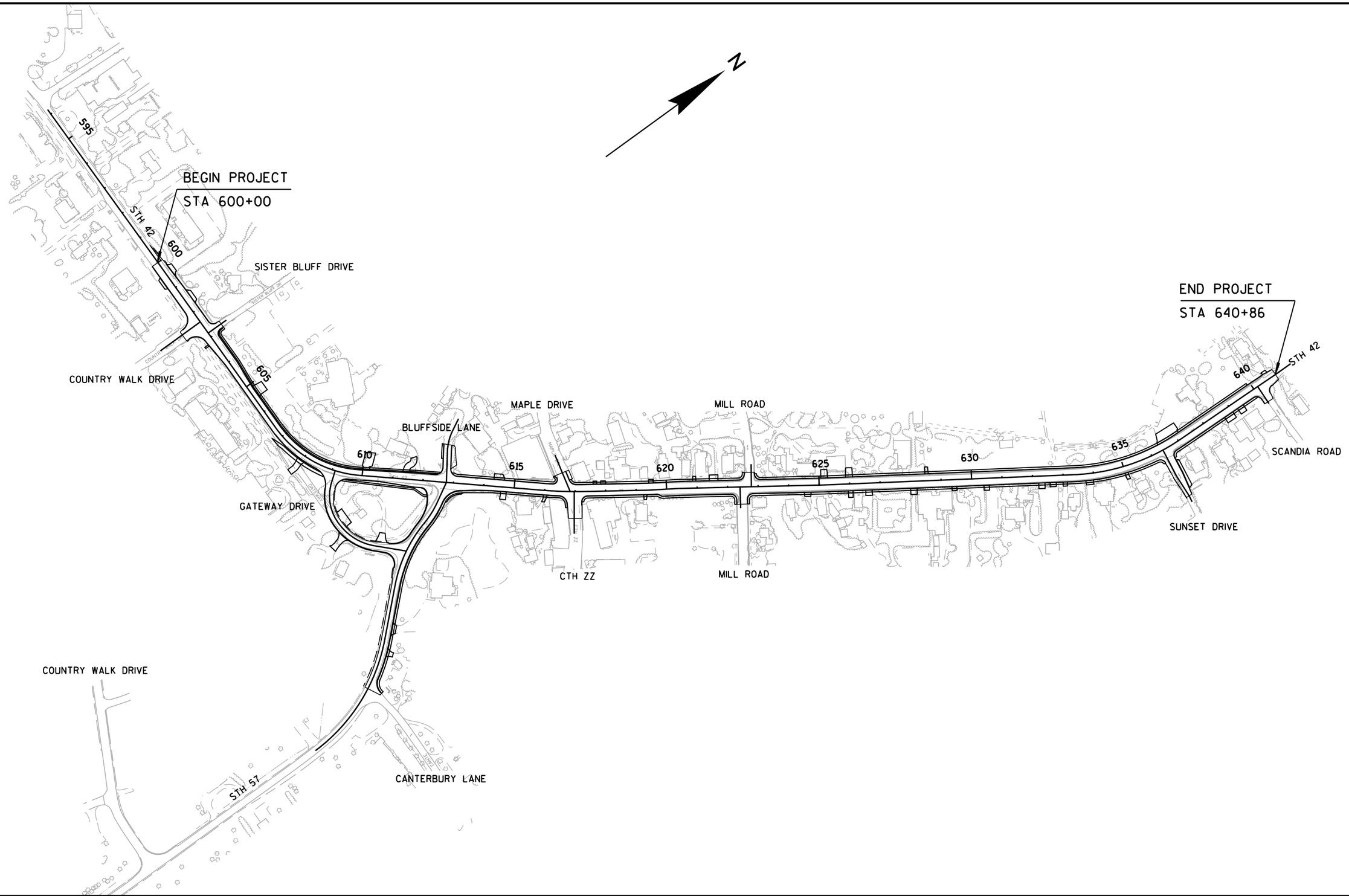
THE EXACT LOCATION OF PRIVATE AND FIELD ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES EXCEPT WHEN PIPE LAYING OPERATIONS REQUIRE THE DRIVEWAY TO BE CLOSED. ACCESS TO DRIVEWAY SHALL BE RE-ESTABLISHED IMMEDIATELY AFTER PIPE IN DRIVEWAY AREA IS INSTALLED. ACCESS SHALL BE PROVIDED DURING ALL NON-WORKING HOURS.

EASEMENTS FOR PRIVATE ENTRANCES CONSTRUCTION HAVE BEEN OBTAINED.

THE RATE OF APPLICATION FOR TACK COAT IS COMPUTED AT 0.06 GAL/YD2.

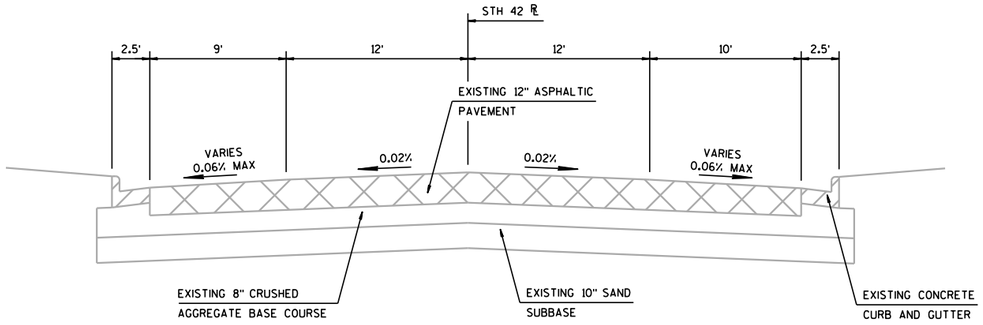
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PROJECT OVERVIEW	SHEET 3	E

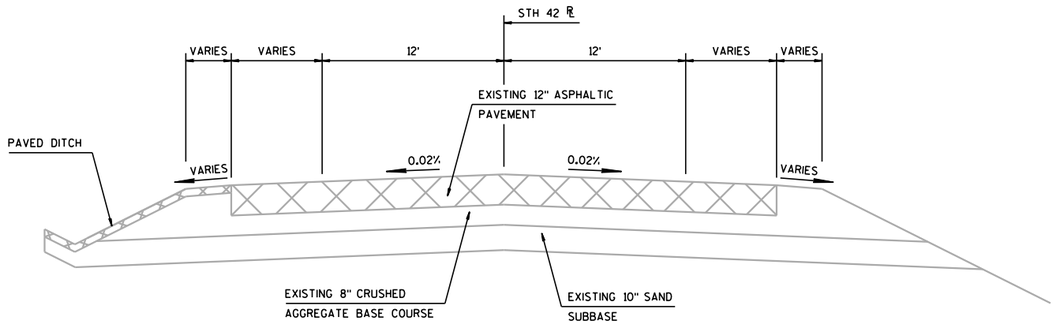
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WISDOT/CADDS SHEET 42



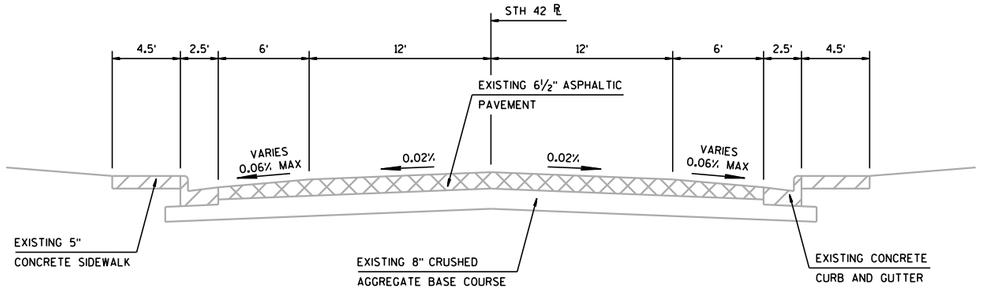
TYPICAL EXISTING CROSS SECTION FOR STH 42

STA 600+00 TO 603+87



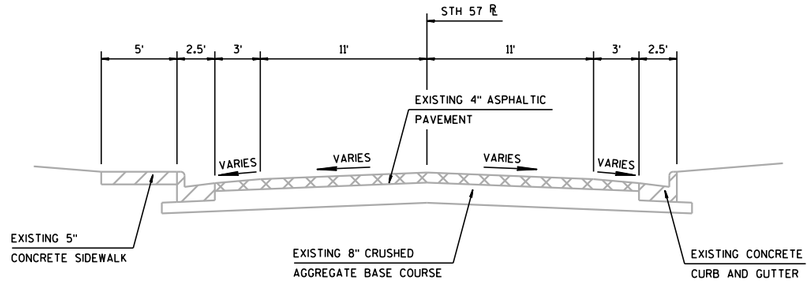
TYPICAL EXISTING CROSS SECTION FOR STH 42

STA 603+87 TO 612+75



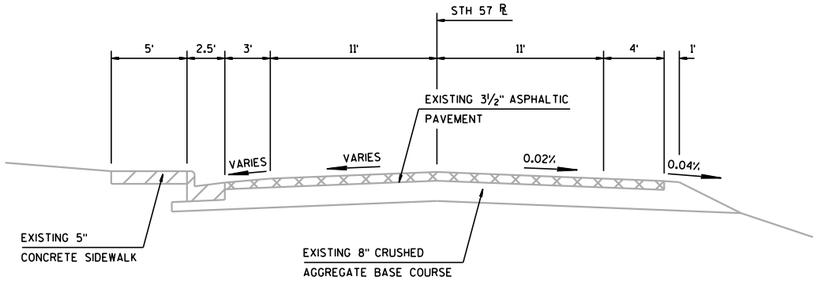
TYPICAL EXISTING CROSS SECTION FOR STH 42

STA 612+75 TO 640+85



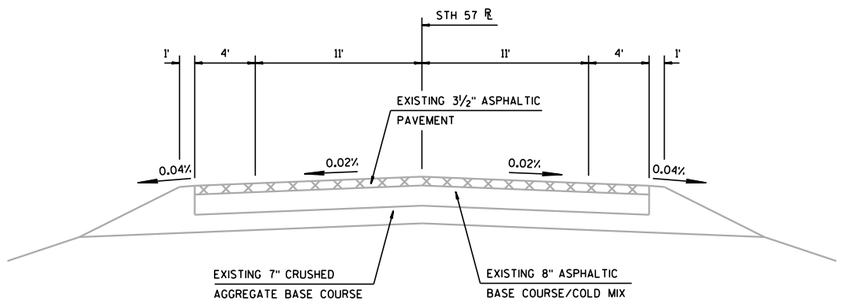
TYPICAL EXISTING CROSS SECTION FOR STH 57

STA 50+00 TO 53+12



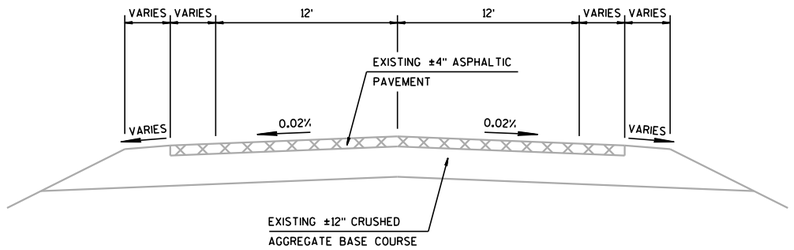
TYPICAL EXISTING CROSS SECTION FOR STH 57

STA 53+12 TO 55+08

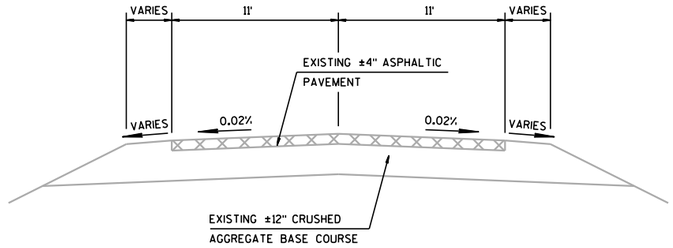


TYPICAL EXISTING CROSS SECTION FOR STH 57

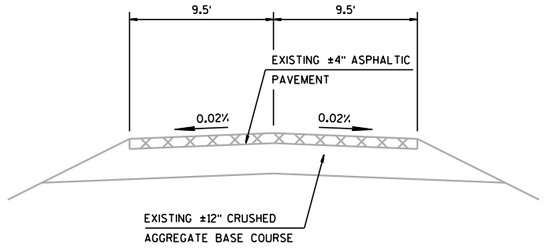
STA 55+08 TO 57+31



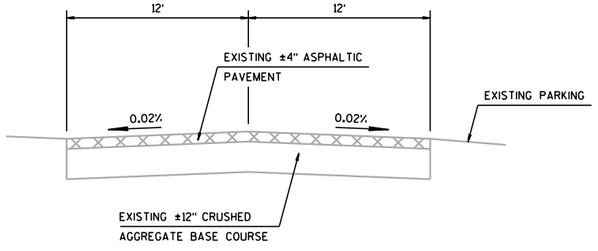
TYPICAL EXISTING CROSS SECTION FOR COUNTRY WALK DRIVE



TYPICAL EXISTING CROSS SECTION FOR SISTER BLUFF DRIVE

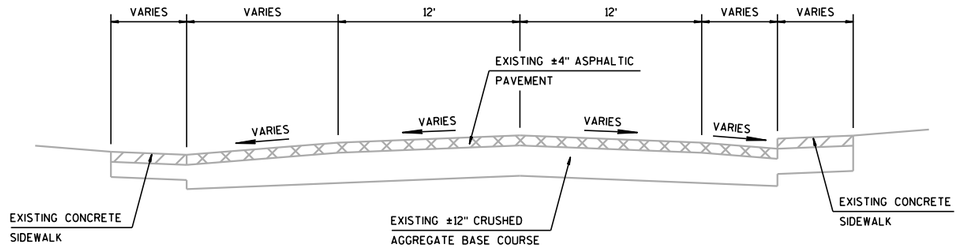


TYPICAL EXISTING CROSS SECTION FOR GATEWAY DRIVE

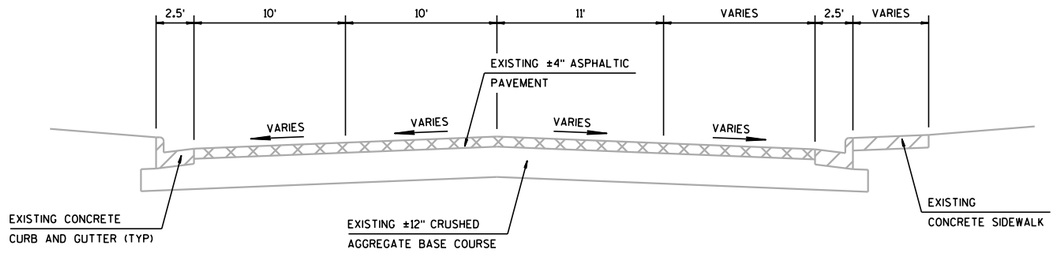


TYPICAL EXISTING CROSS SECTION FOR BLUFFSIDE LANE

2

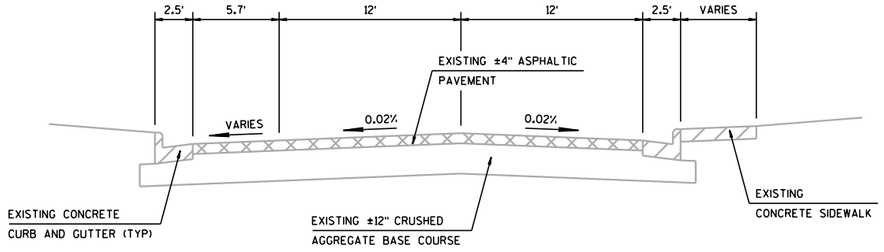


TYPICAL EXISTING CROSS SECTION FOR MAPLE DRIVE (WEST)



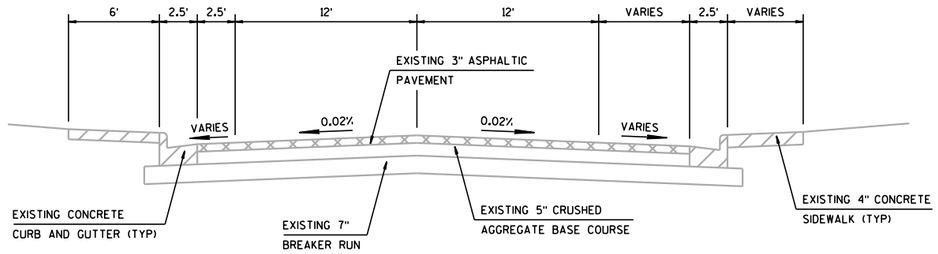
TYPICAL EXISTING CROSS SECTION FOR CTH ZZ

(MAPLE DRIVE - EAST)

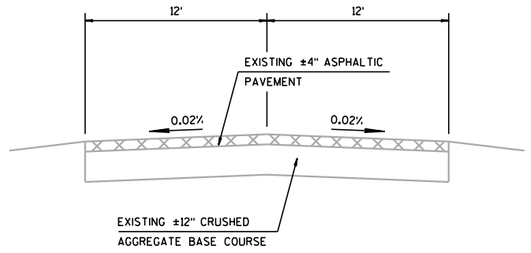


TYPICAL EXISTING CROSS SECTION FOR MILL ROAD (WEST)

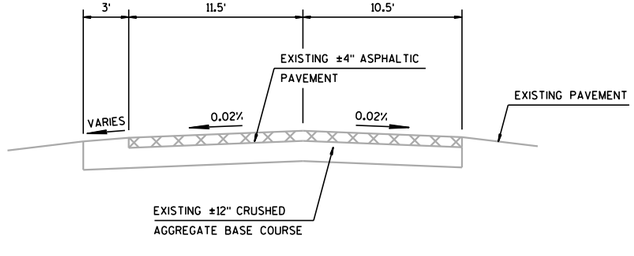
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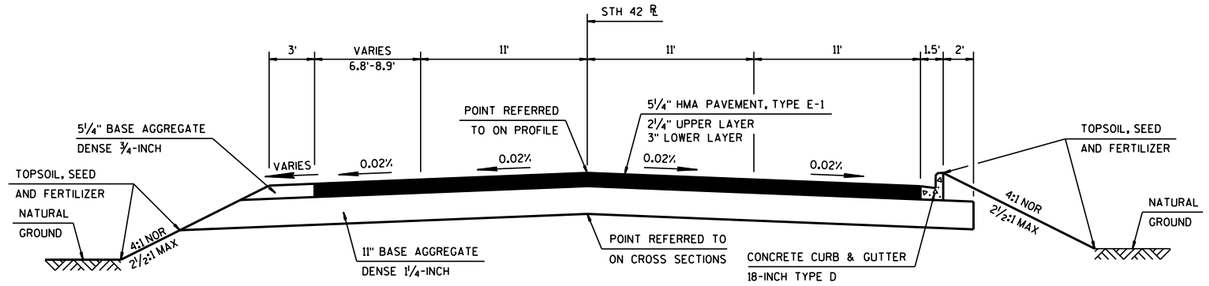
TYPICAL EXISTING CROSS SECTION FOR MILL ROAD (EAST)



TYPICAL EXISTING CROSS SECTION FOR SUNSET DRIVE

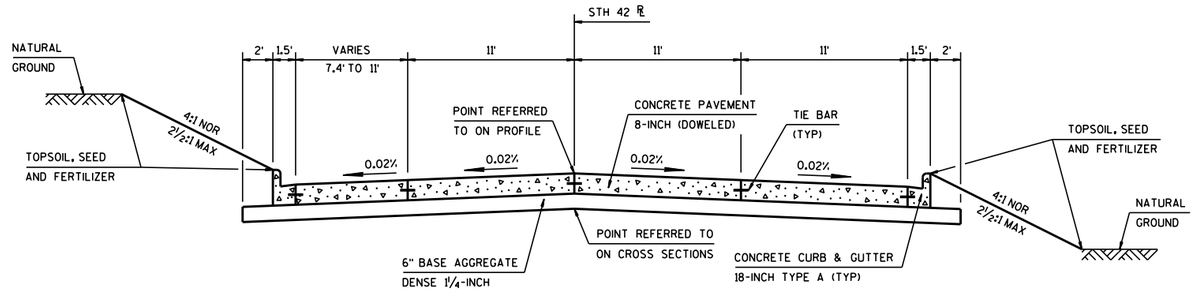


TYPICAL EXISTING CROSS SECTION FOR SCANDIA ROAD



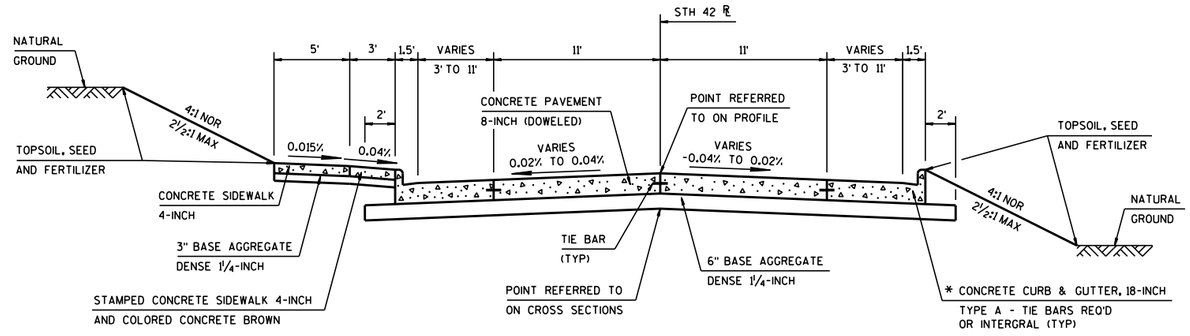
TYPICAL FINISHED CROSS SECTION FOR STH 42

STA 600+00 TO STA 600+21



TYPICAL FINISHED CROSS SECTION FOR STH 42

STA 600+21 TO STA 603+00

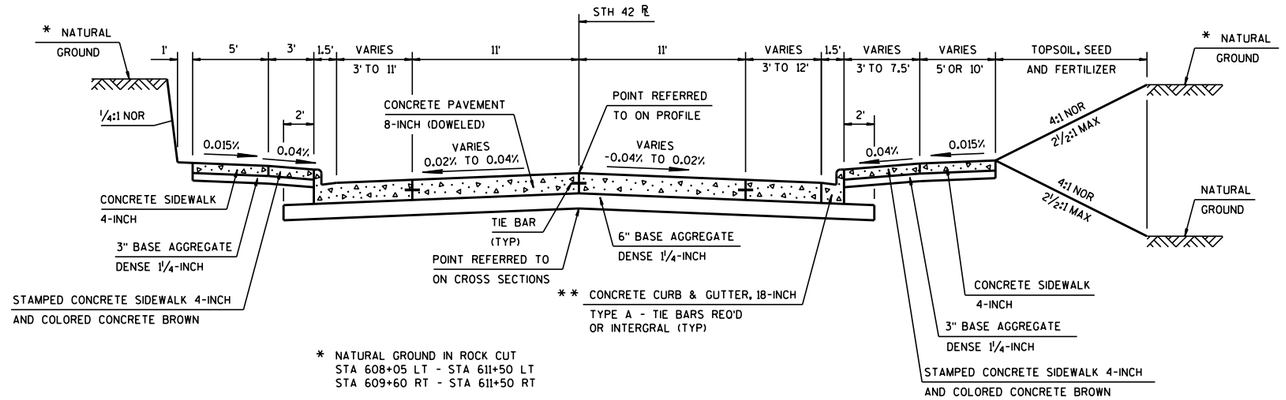


* STA 603+00 LT - STA 605+15 LT - CONCRETE CURB & GUTTER 18-INCH TYPE A
STA 603+00 RT - STA 604+03 RT - CONCRETE CURB & GUTTER 18-INCH TYPE A
STA 605+15 LT - STA 607+07 LT - CONCRETE CURB & GUTTER INTEGRAL 18-INCH
STA 604+03 RT - STA 607+07 RT - CONCRETE CURB & GUTTER INTEGRAL 18-INCH

TYPICAL FINISHED CROSS SECTION FOR STH 42

STA 603+00 TO STA 607+07

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TYPICAL CROSS SECTIONS	SHEET	E

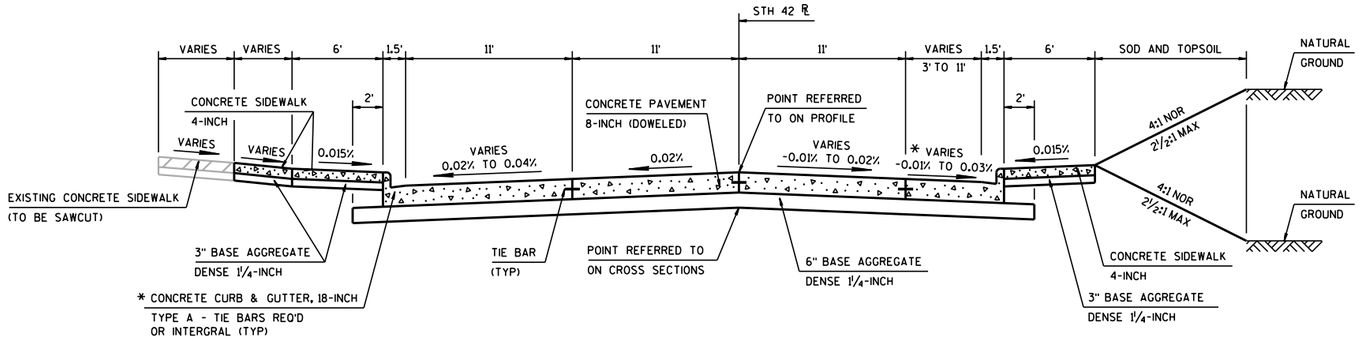


* NATURAL GROUND IN ROCK CUT
STA 608+05 LT - STA 611+50 LT
STA 609+60 RT - STA 611+50 RT

** STA 607+07 LT - STA 608+52 LT - CONCRETE CURB & GUTTER INTEGRAL 18-INCH
STA 607+07 RT - STA 607+74 RT - CONCRETE CURB & GUTTER INTEGRAL 18-INCH
STA 608+52 LT - STA 613+12 LT - CONCRETE CURB & GUTTER 18-INCH TYPE A
STA 607+74 RT - STA 613+33 RT - CONCRETE CURB & GUTTER 18-INCH TYPE A
STA 613+12 LT - STA 613+33 LT - CONCRETE CURB & GUTTER INTEGRAL 18-INCH

TYPICAL FINISHED CROSS SECTION FOR STH 42

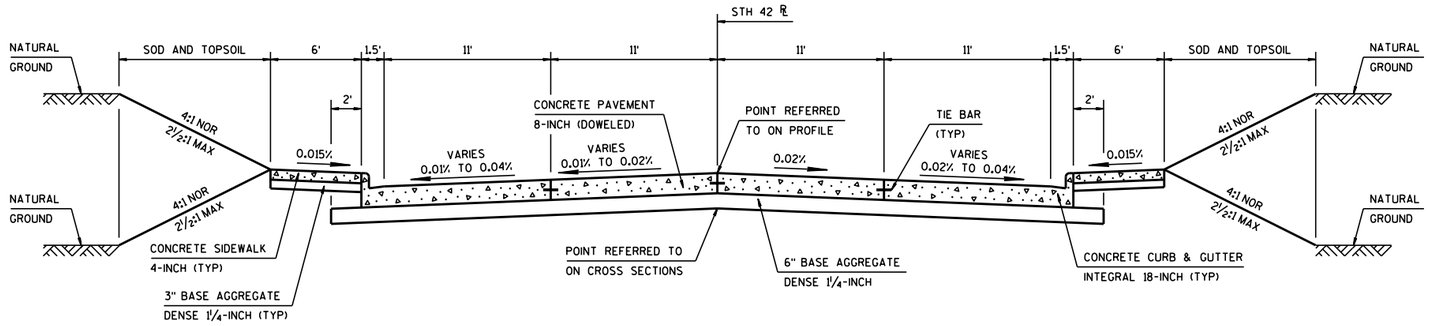
STA 607+07 TO STA 613+33



* STA 613+33 LT - STA 619+87 LT - CONCRETE CURB & GUTTER INTEGRAL 18-INCH
STA 613+33 RT - STA 614+28 RT - CONCRETE CURB & GUTTER 18-INCH TYPE A
STA 614+28 RT - STA 619+67 RT - CONCRETE CURB & GUTTER INTEGRAL 18-INCH
STA 619+67 RT - STA 619+87 RT - CONCRETE CURB & GUTTER 18-INCH TYPE A

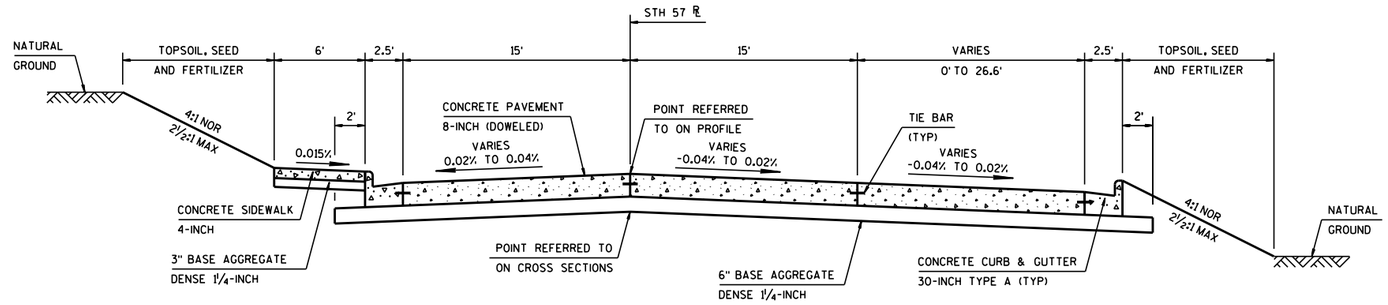
TYPICAL FINISHED CROSS SECTION FOR STH 42

STA 613+33 TO STA 619+87



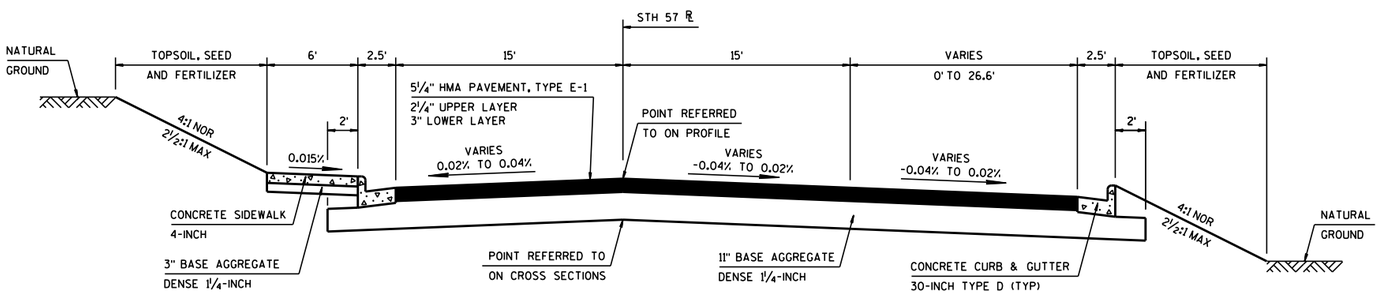
TYPICAL FINISHED CROSS SECTION FOR STH 42

STA 619+87 TO STA 640+86



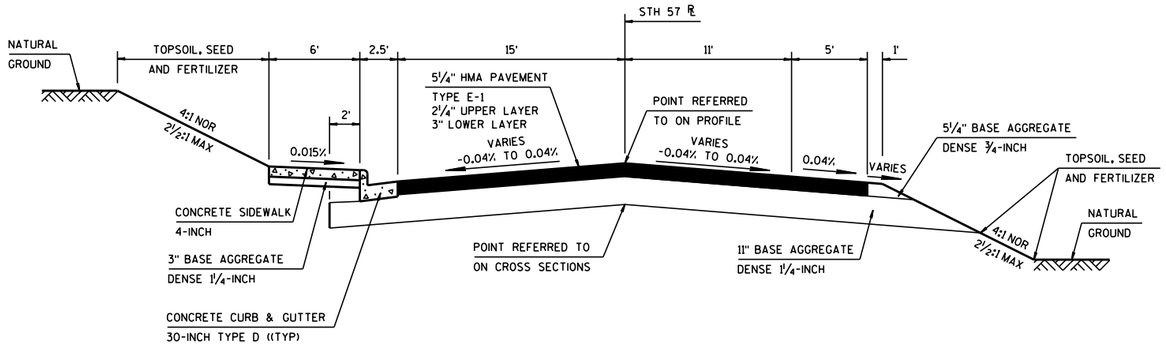
TYPICAL FINISHED CROSS SECTION FOR STH 57

STA 50+60 TO STA 51+19



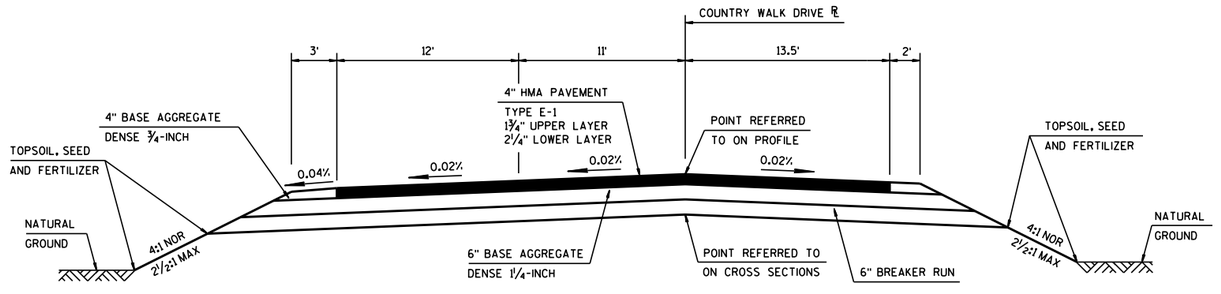
TYPICAL FINISHED CROSS SECTION FOR STH 57

STA 51+19 TO STA 53+19



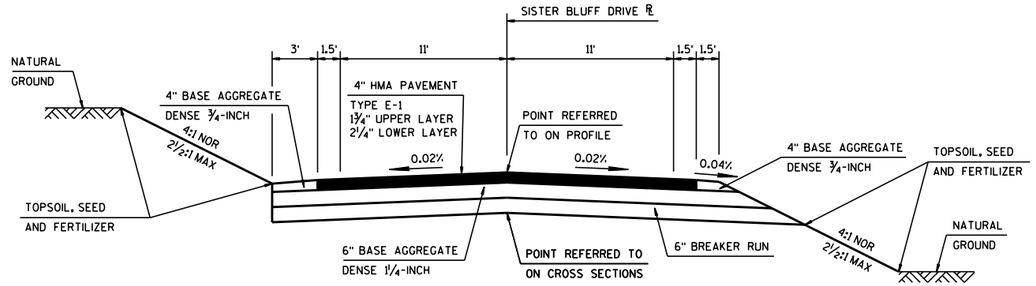
TYPICAL FINISHED CROSS SECTION FOR STH 57

STA 53+19 TO STA 57+31



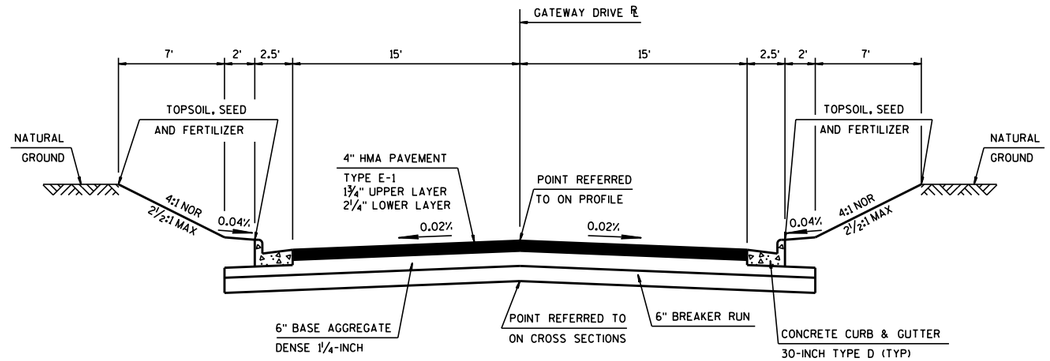
TYPICAL FINISHED CROSS SECTION FOR COUNTRY WALK DRIVE

STA 10+63 TO STA 10+73



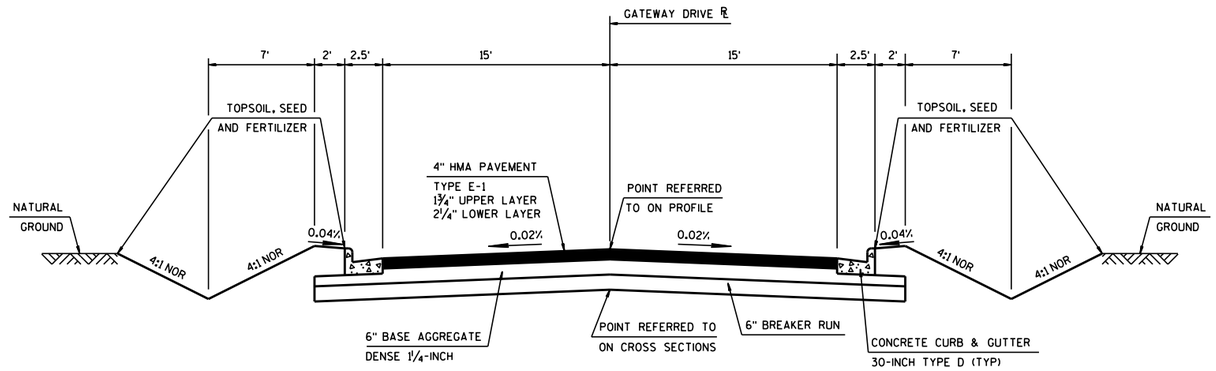
TYPICAL FINISHED CROSS SECTION FOR SISTER BLUFF DRIVE

STA 20+21 TO STA 20+31



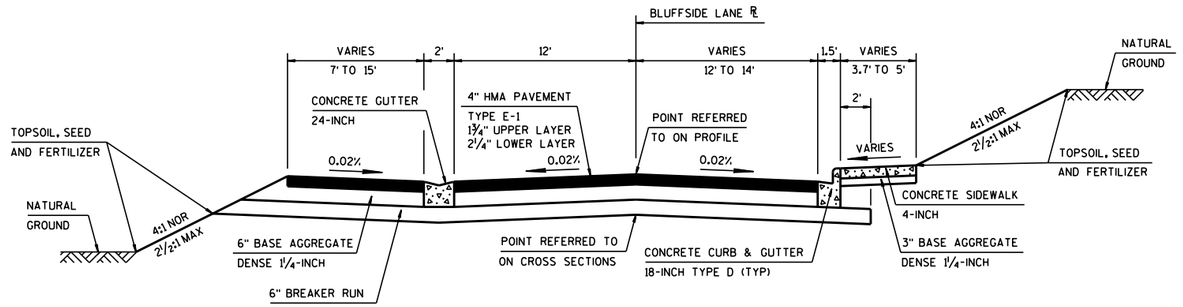
TYPICAL FINISHED CROSS SECTION FOR GATEWAY DRIVE

STA 30+60 TO STA 31+25



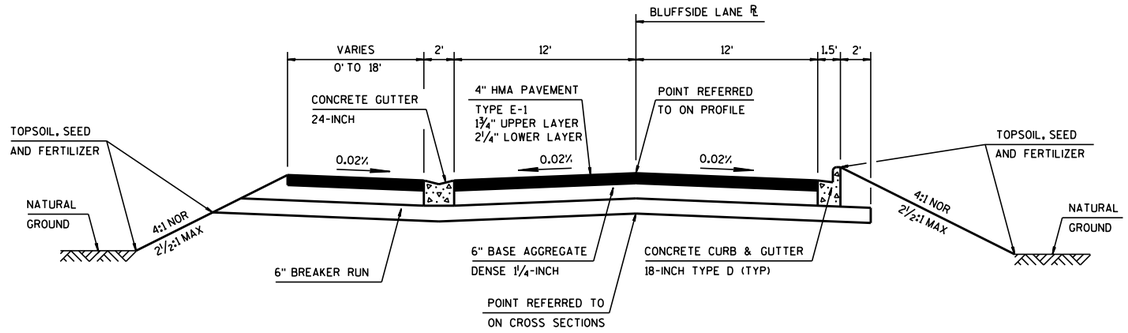
TYPICAL FINISHED CROSS SECTION FOR GATEWAY DRIVE

STA 31+25 TO STA 33+69



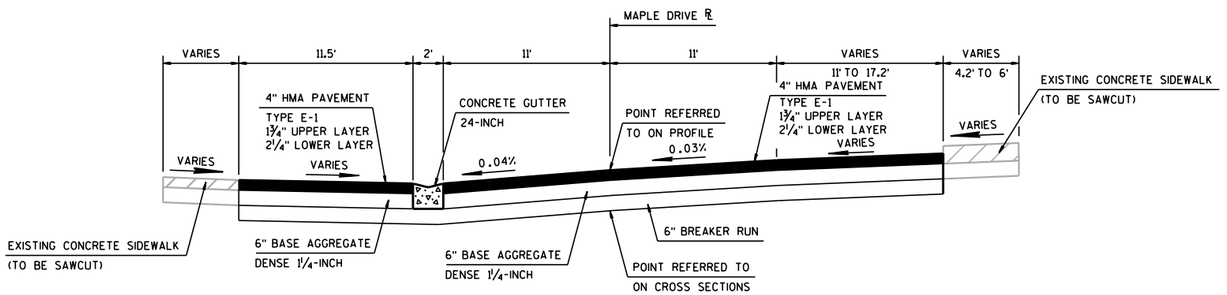
TYPICAL FINISHED CROSS SECTION FOR BLUFFSIDE LANE

STA 40+88 TO STA 41+38



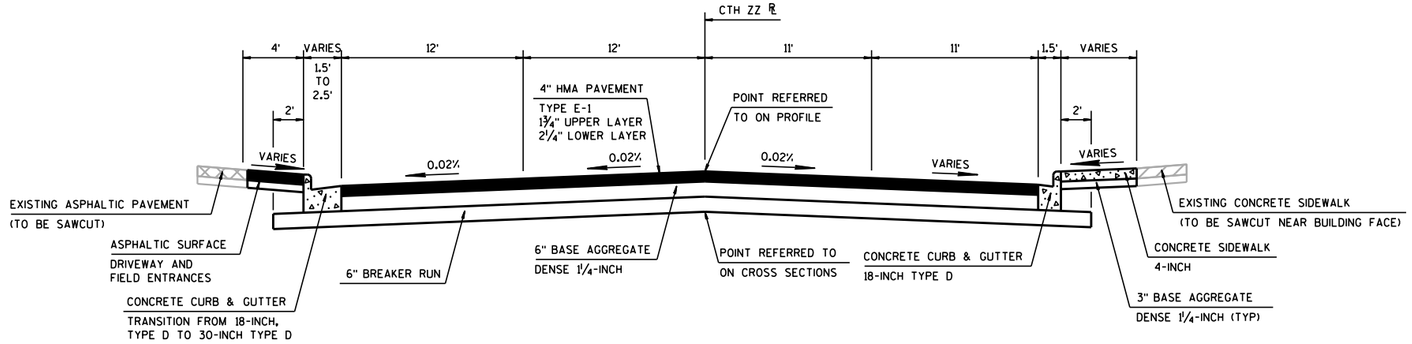
TYPICAL FINISHED CROSS SECTION FOR BLUFFSIDE LANE

STA 41+38 TO STA 41+70



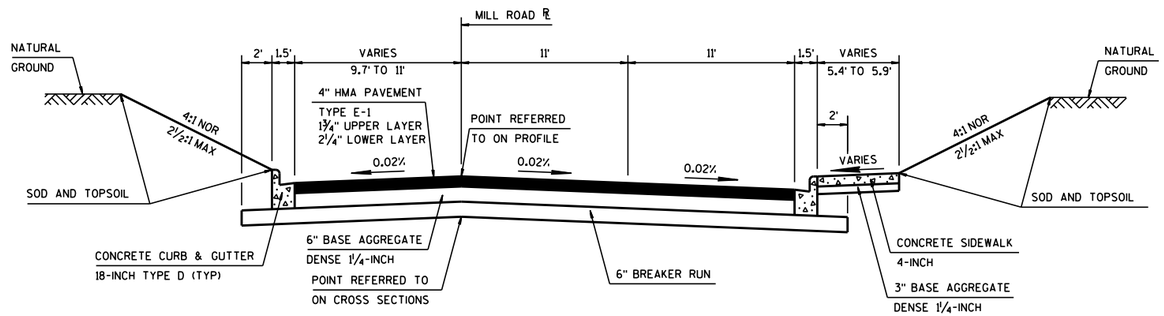
TYPICAL FINISHED CROSS SECTION FOR MAPLE DRIVE

STA 60+63 TO STA 60+72



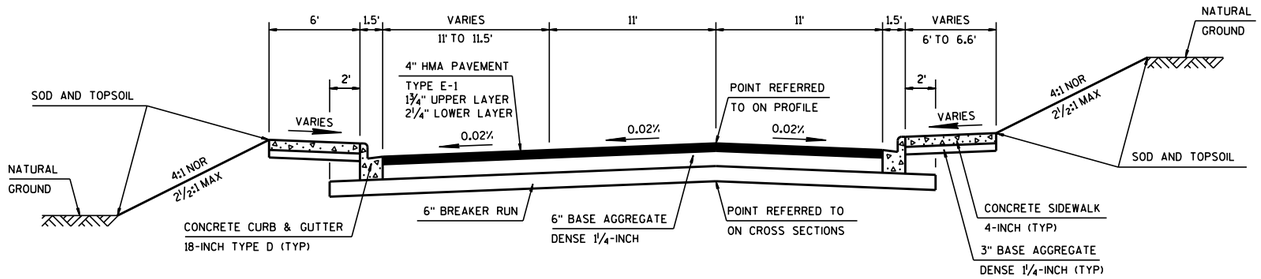
TYPICAL FINISHED CROSS SECTION FOR CTH ZZ

STA 70+43 TO 70+88



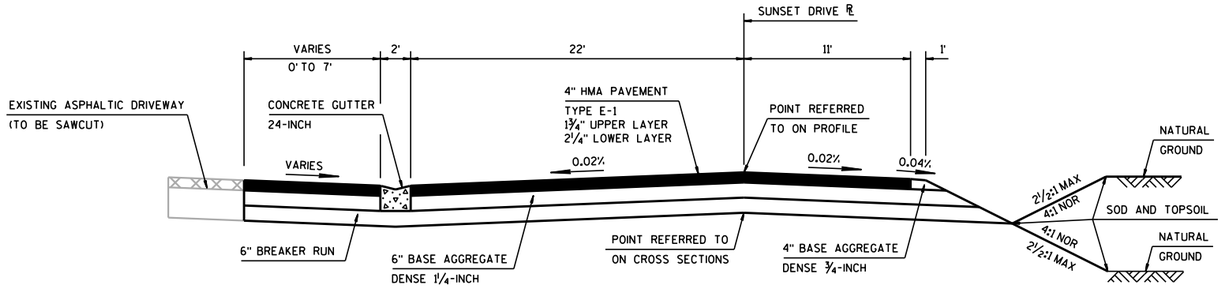
TYPICAL FINISHED CROSS SECTION FOR MILL ROAD

STA 80+26 TO STA 80+32



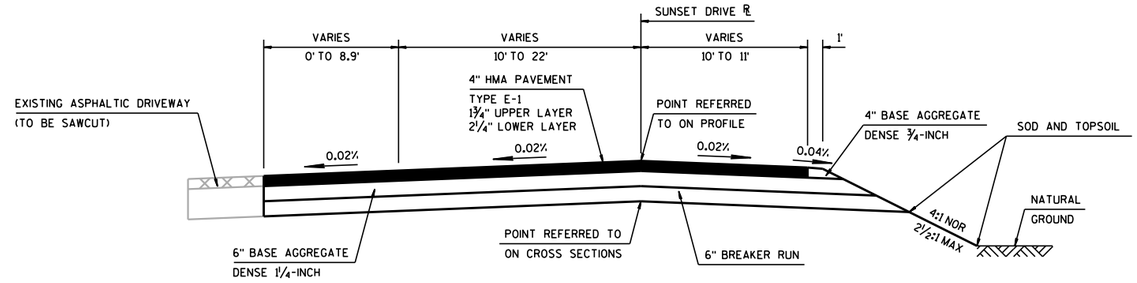
TYPICAL FINISHED CROSS SECTION FOR MILL ROAD

STA 90+42 TO STA 90+56



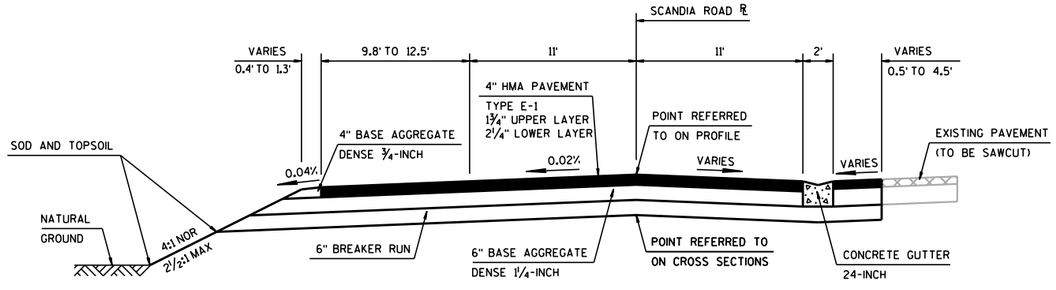
TYPICAL FINISHED CROSS SECTION FOR SUNSET DRIVE

STA 100+41 TO STA 100+97



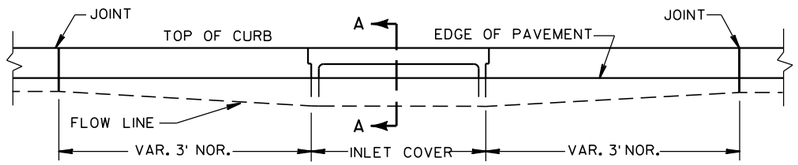
TYPICAL FINISHED CROSS SECTION FOR SUNSET DRIVE

STA 100+97 TO STA 101+73

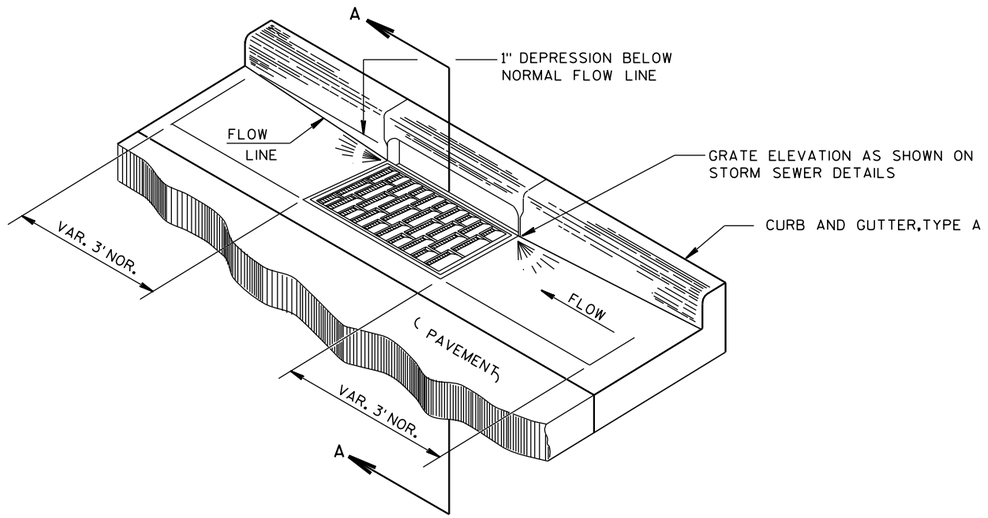


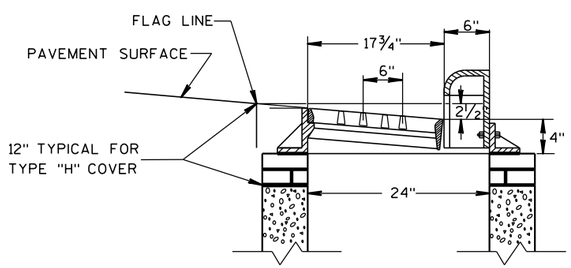
TYPICAL FINISHED CROSS SECTION FOR SCANDIA ROAD

STA 110+42 TO STA 110+60



ELEVATION

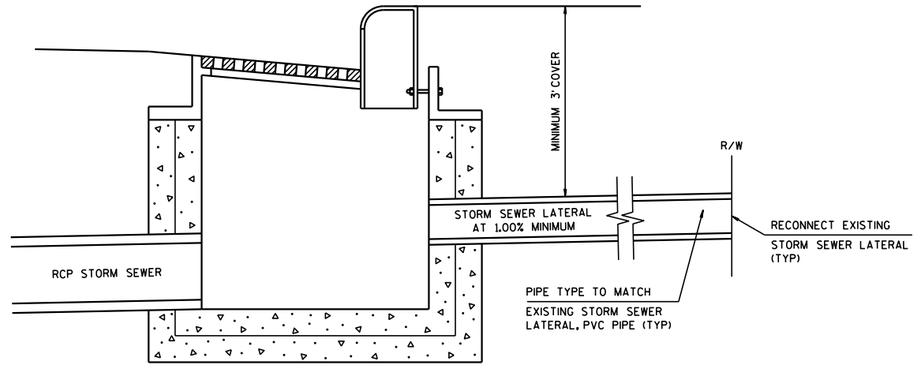




SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 3-H INLET SHOWN)



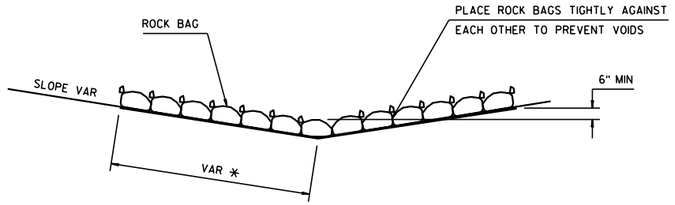
NOTE: ALL LABOR AND MATERIALS NECESSARY FOR CONNECTION TO STORM SEWER SHALL BE INCIDENTAL TO THE BID ITEM OF RECONNECT STORM SEWER LATERALS.

RECONNECT STORM SEWER LATERAL DETAIL

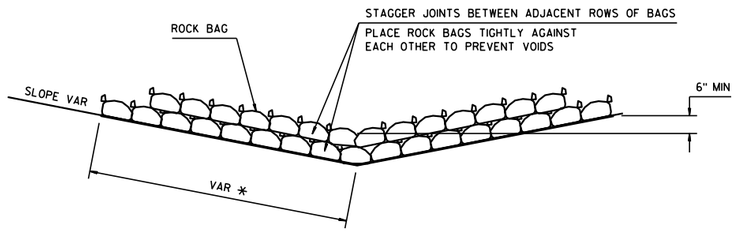
RUNOFF COEFFICIENT TABLE

	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 = 8.25 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 3.07 ACRES



SIDE VIEW (SINGLE LAYER)



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

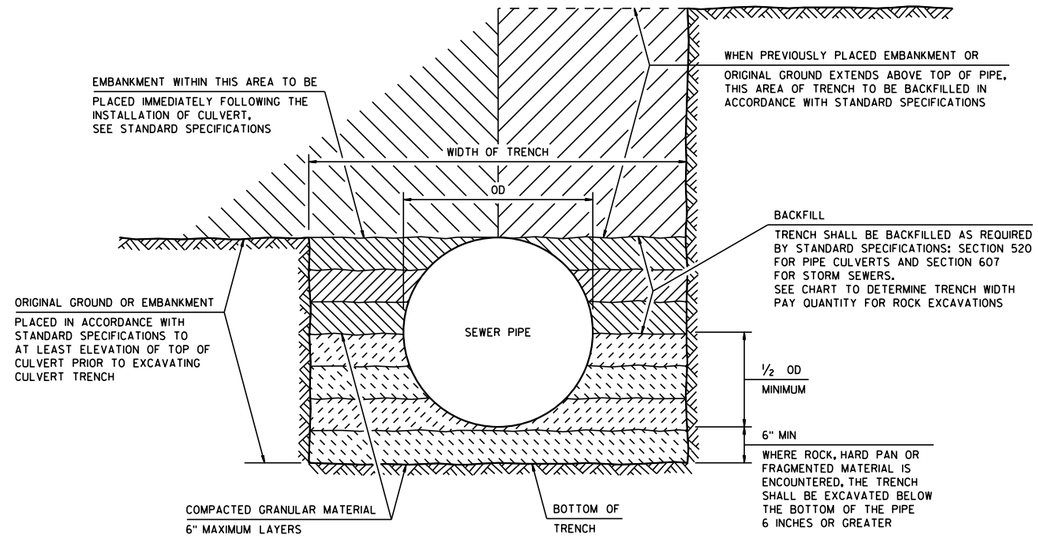
SIDE VIEW (MULTIPLE LAYER)

ROCK BAGS DITCH CHECK

PAID AS ROCK BAGS

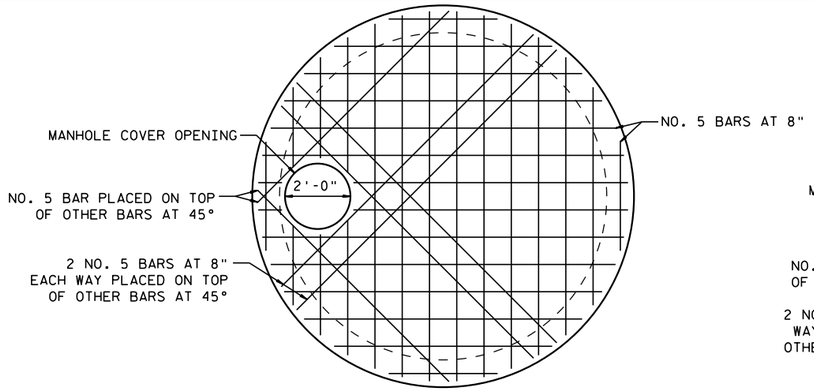
CONCRETE PIPE ID	TRENCH WIDTH PAY QUANTITY WHEN IN ROCK
12"	52"
15"	56"
18"	59"
24"	66"
30"	73"
36"	80"

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



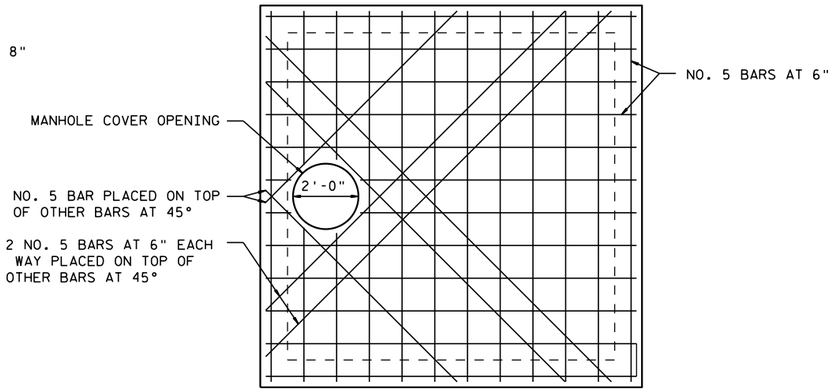
STORM SEWER

IN ROCK



MANHOLE PLAN

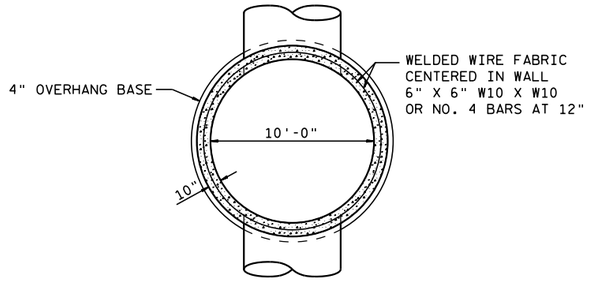
SHOWING TOP SLAB REINFORCEMENT FOR CAST IN PLACE OPTION



MANHOLE PLAN

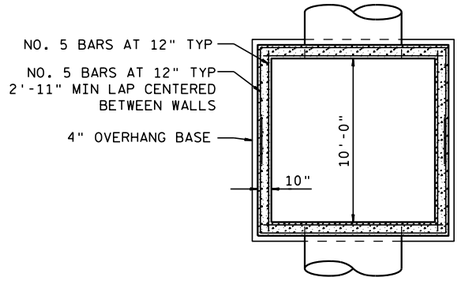
SHOWING TOP SLAB REINFORCEMENT FOR CAST IN PLACE OPTION

NOTE:
DETAILS NOT SHOWN SHALL CONFORM TO THE SDD FOR "MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT" OR THE SDD FOR "MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER."



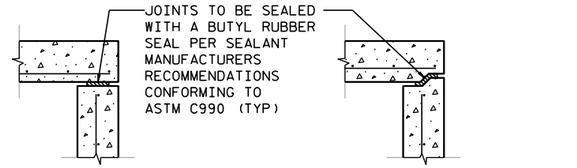
MANHOLE SECTION

SHOWING PRECAST OPTION



MANHOLE SECTION

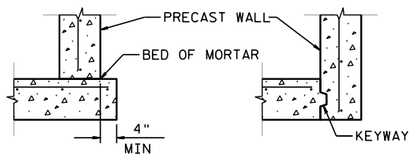
SHOWING CAST IN PLACE OPTION



OPTION 1
TOP WITH PLAIN END JOINT

OPTION 2
TOP WITH TONGUE AND GROOVE JOINT

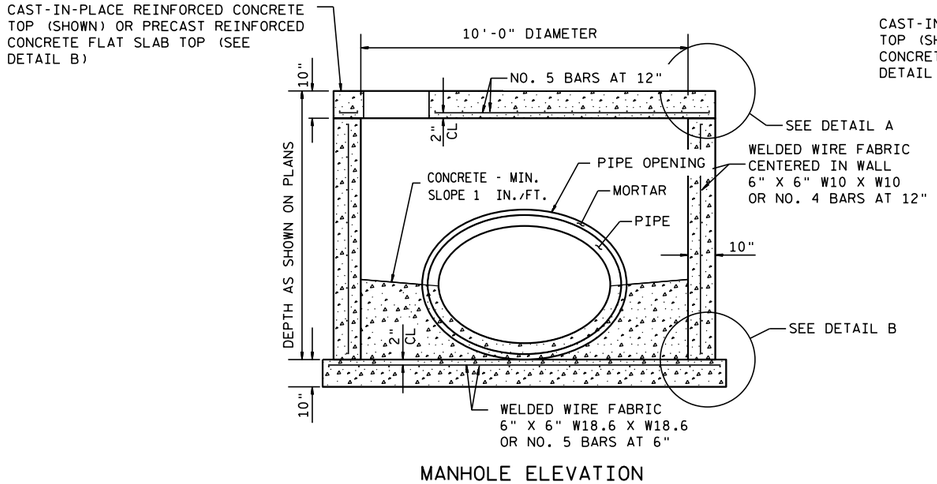
DETAIL A



OPTION 1
SEPERATE PRECAST REINFORCED CONCRETE BASE

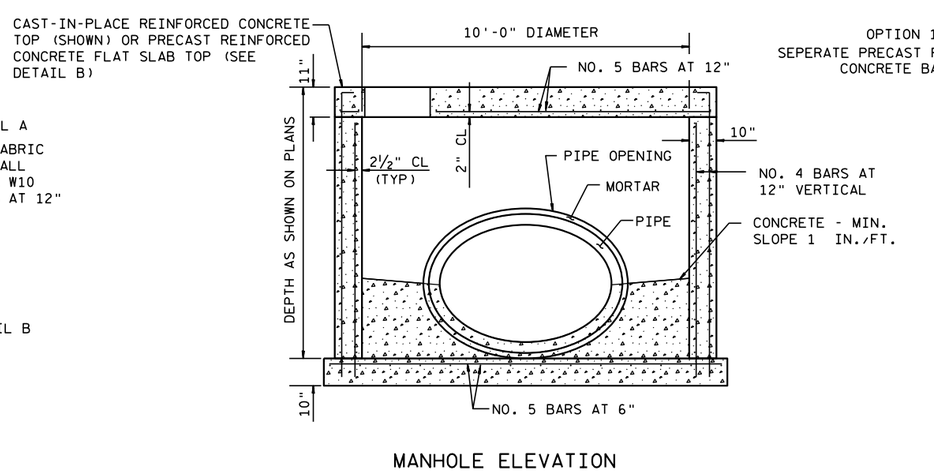
OPTION 2
PRECASET REINFORCED CONCRETE WITH INTEGRAL BASE

DETAIL B



MANHOLE ELEVATION

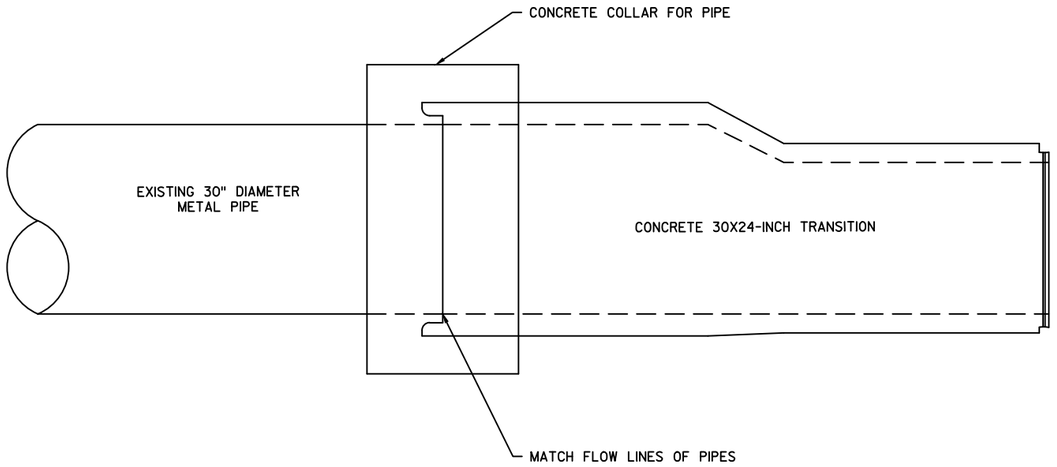
SHOWING PRECAST OPTION



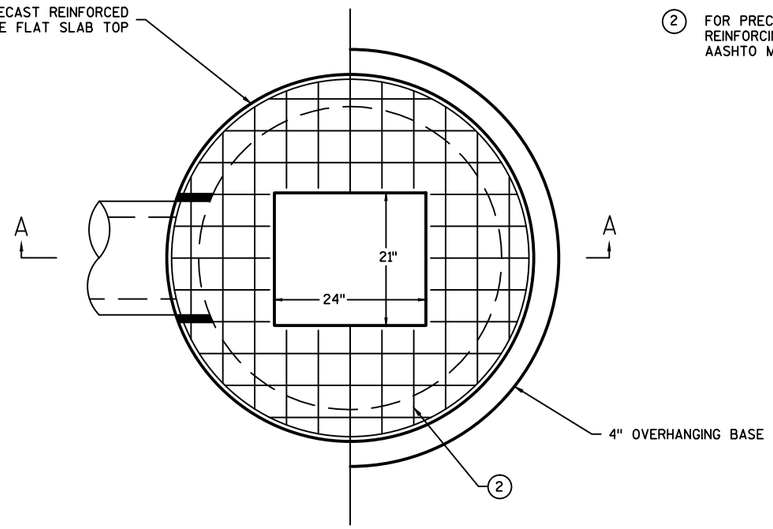
MANHOLE ELEVATION

SHOWING CAST IN PLACE OPTION

MANHOLES 10-FT DIAMETER



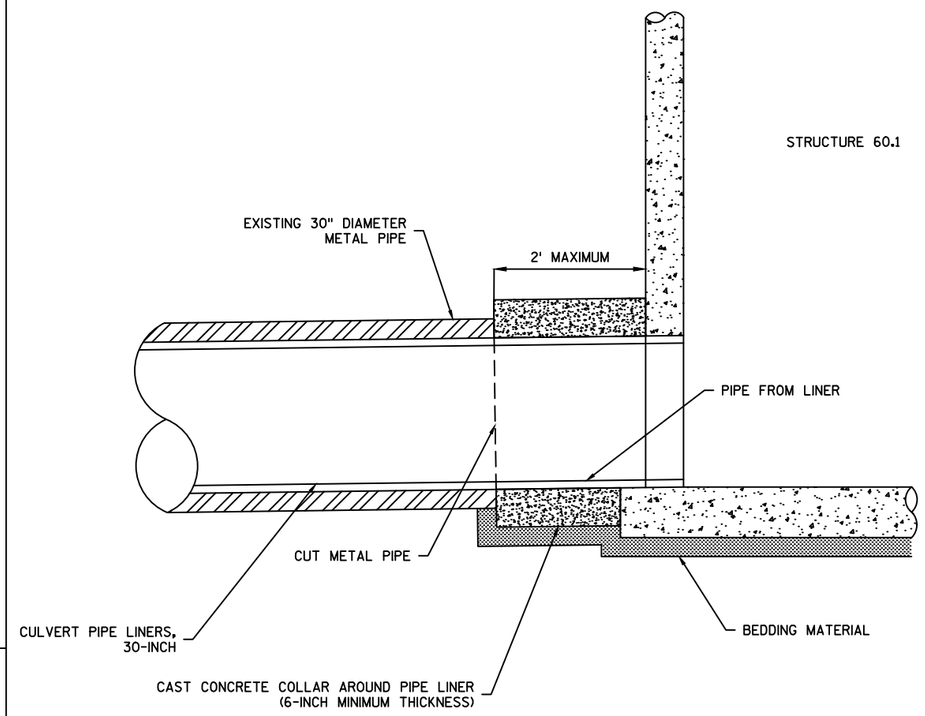
CONCRETE 30X24-INCH TRANSITION AT STA 630+74, 30.5' RT DETAIL



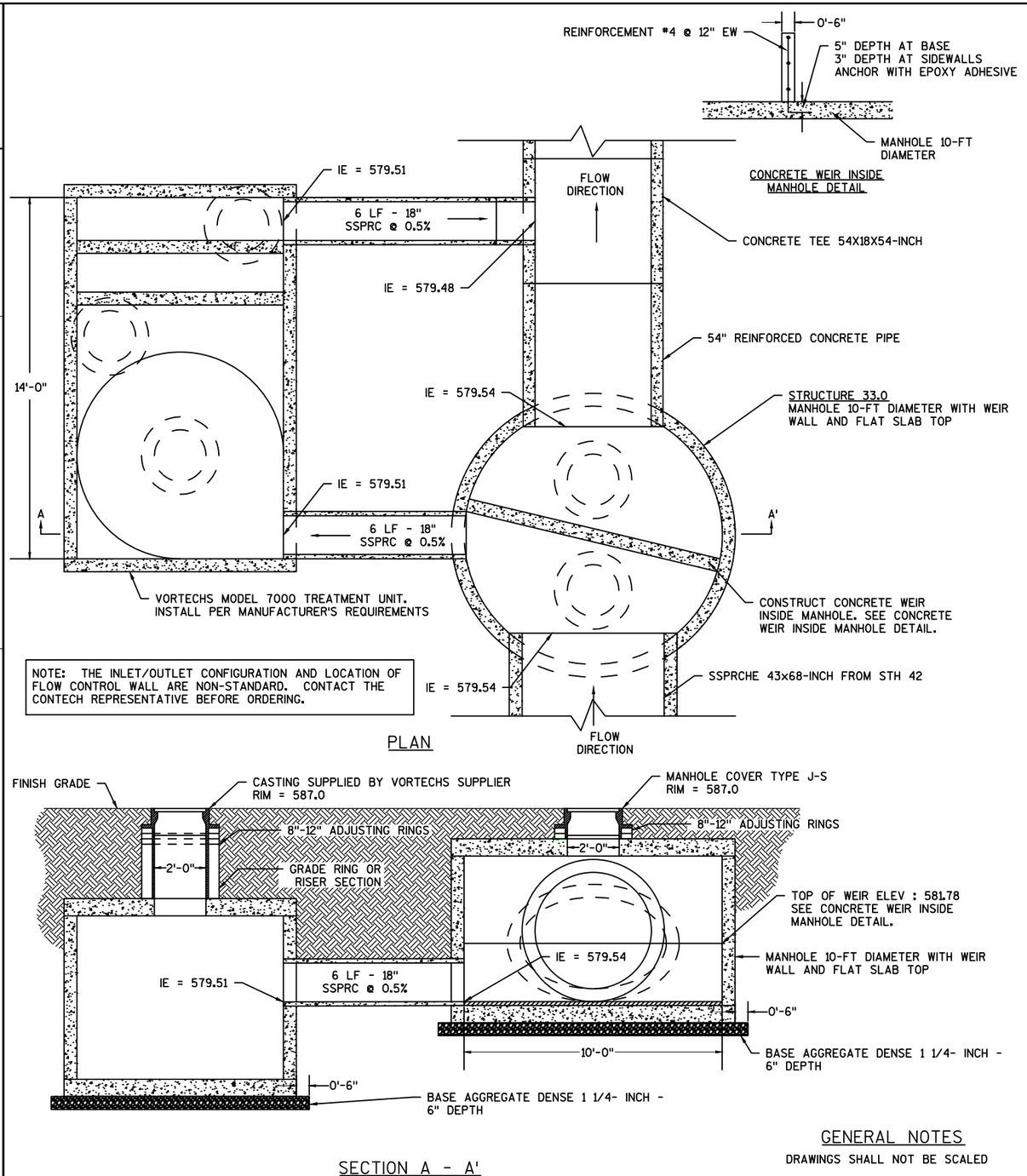
2 FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

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



CONNECTION OF CULVERT PIPE LINER, 30-INCH TO STRUCTURE 60.1 DETAIL

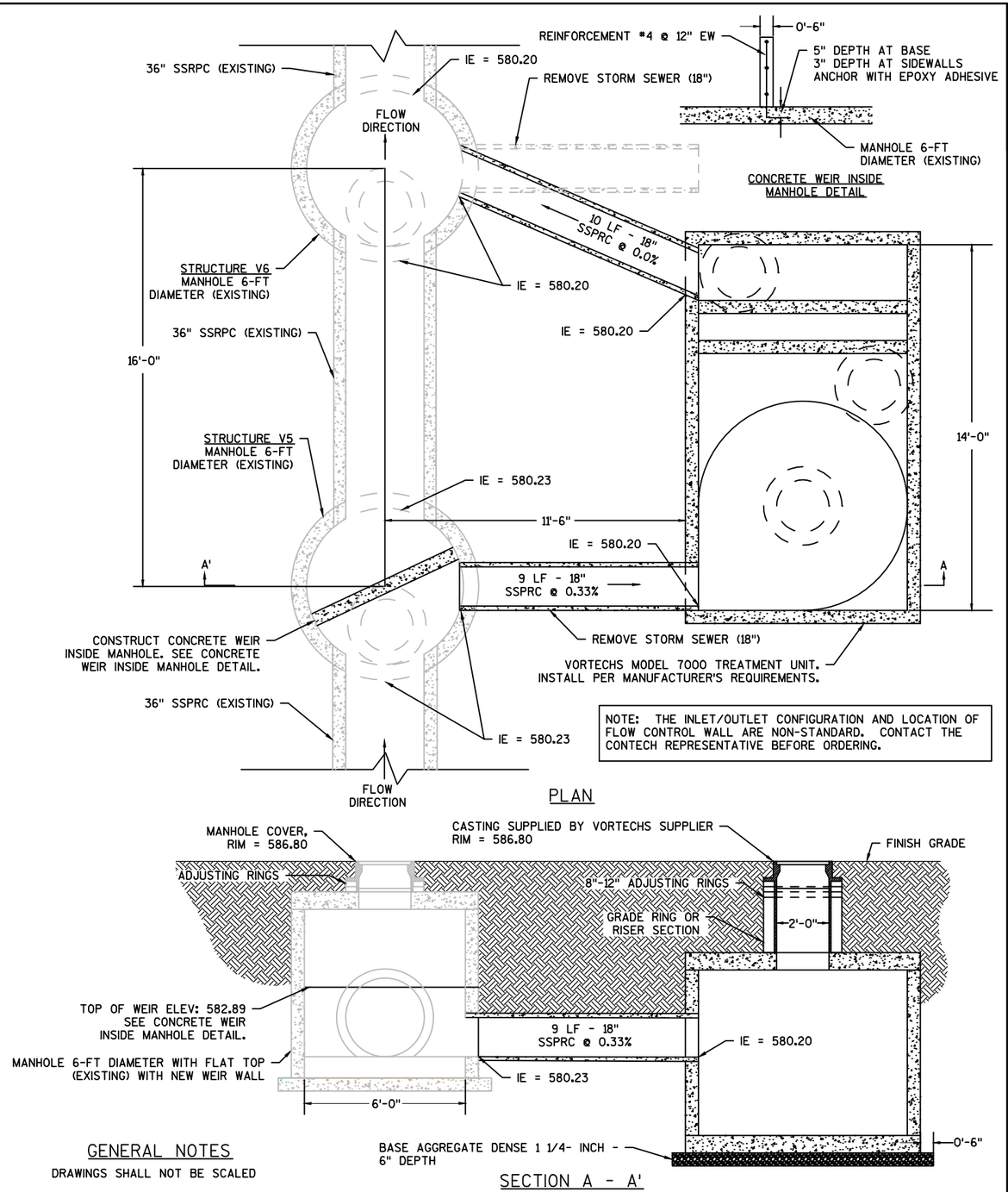


NOTE: THE INLET/OUTLET CONFIGURATION AND LOCATION OF FLOW CONTROL WALL ARE NON-STANDARD. CONTACT THE CONTECH REPRESENTATIVE BEFORE ORDERING.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

STORMWATER TREATMENT DEVICE AT STA 626+17, 47.2 LT DETAIL



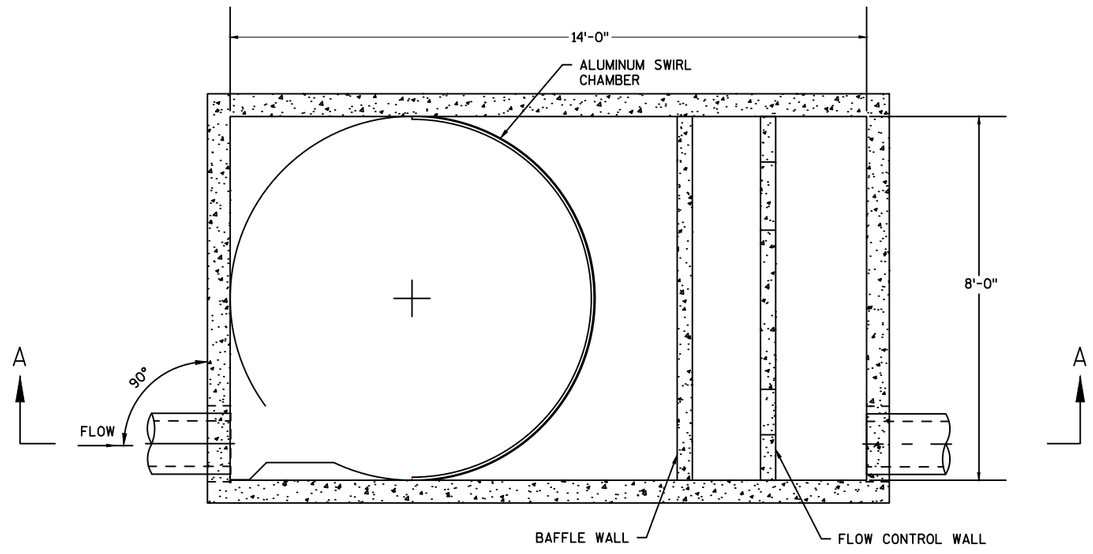
NOTE: THE INLET/OUTLET CONFIGURATION AND LOCATION OF FLOW CONTROL WALL ARE NON-STANDARD. CONTACT THE CONTECH REPRESENTATIVE BEFORE ORDERING.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

STORMWATER TREATMENT DEVICE AT STA 639+09, 47.3 LT DETAIL

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (STORMWATER TREATMENT DEVICES)	SHEET 21	E

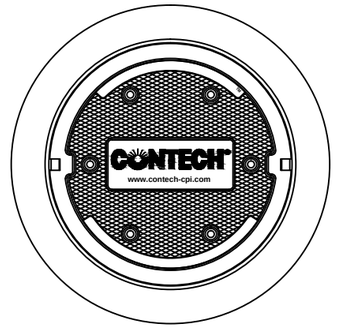


SECTION B-B

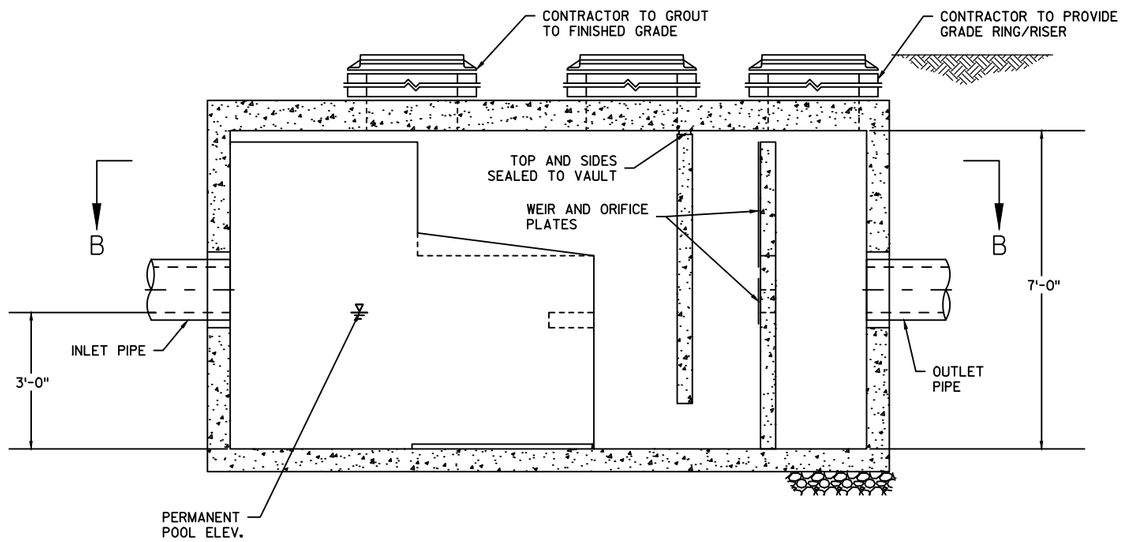
VORTECHS 7000 DESIGN NOTES

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



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.

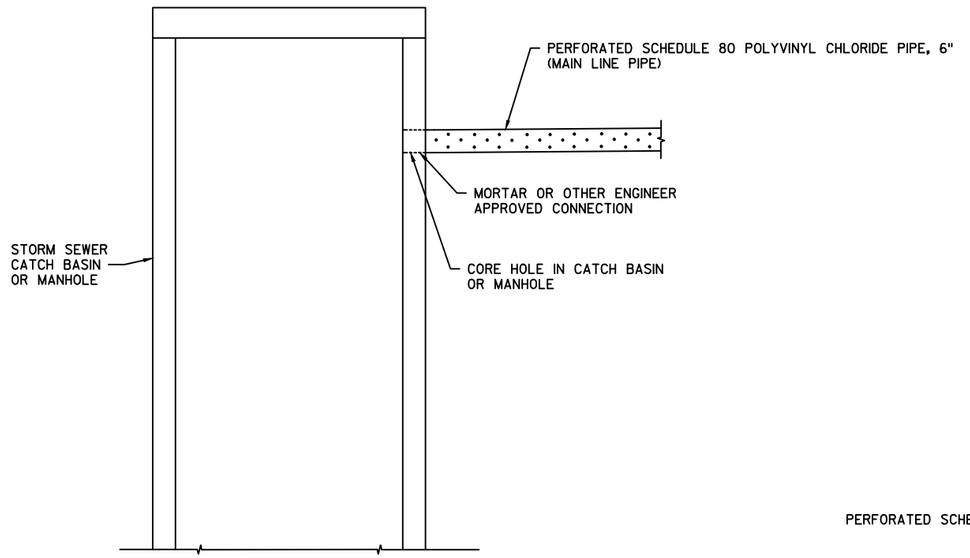
INSTALLATION NOTES

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.

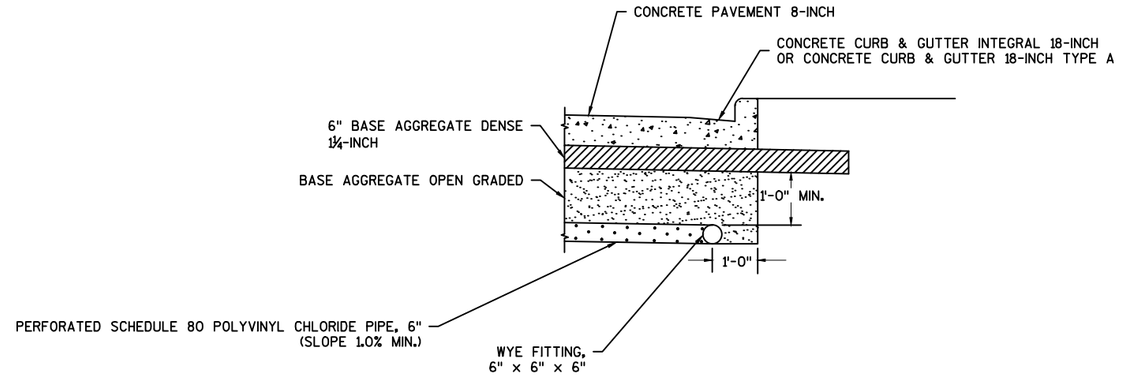
Vortechs
THIS PRODUCT MAY BE PROTECTED BY THE FOLLOWING U.S. PATENT: 5,759,415. RELATED FOREIGN PATENTS.

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

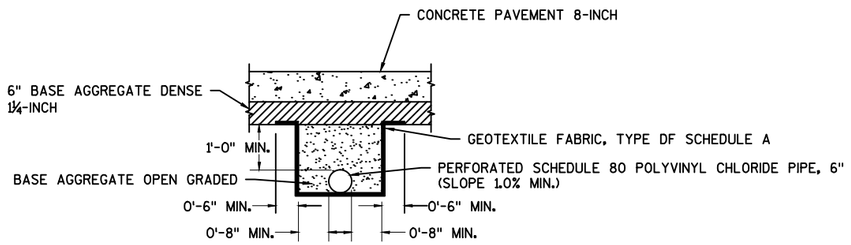
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (VORTECHS 7000)	SHEET 22	E



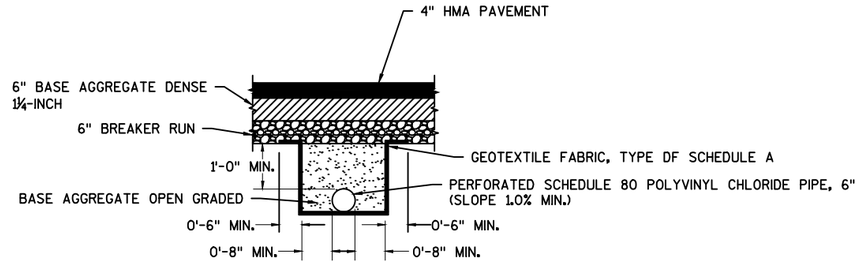
UNDERDRAIN CONNECTION DETAIL



UNDERDRAIN AT WYE CONNECTION

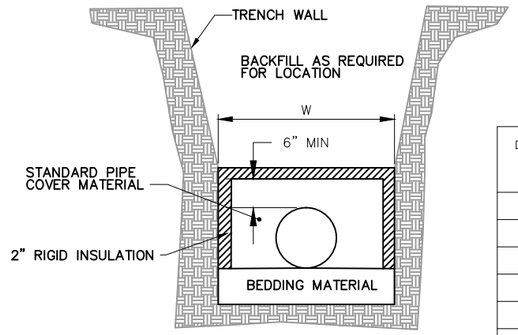


UNDERDRAIN TRENCH DETAIL



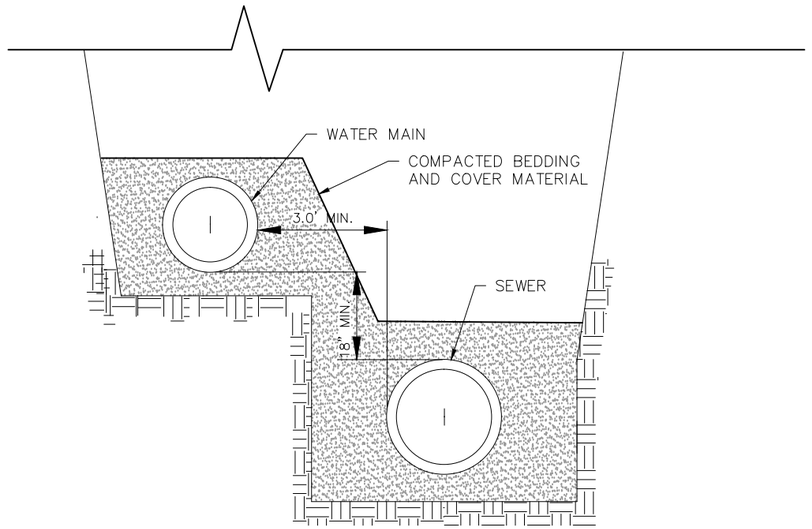
UNDERDRAIN TRENCH DETAIL UNDER CTH ZZ

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (UNDERDRAIN)	SHEET 23	E



DEPTH OF PIPE (FT)	WIDTH "W" (FT)
2.0	9.0
2.5	8.0
3.0	7.0
3.5	6.0
4.0	5.0
4.5	4.0

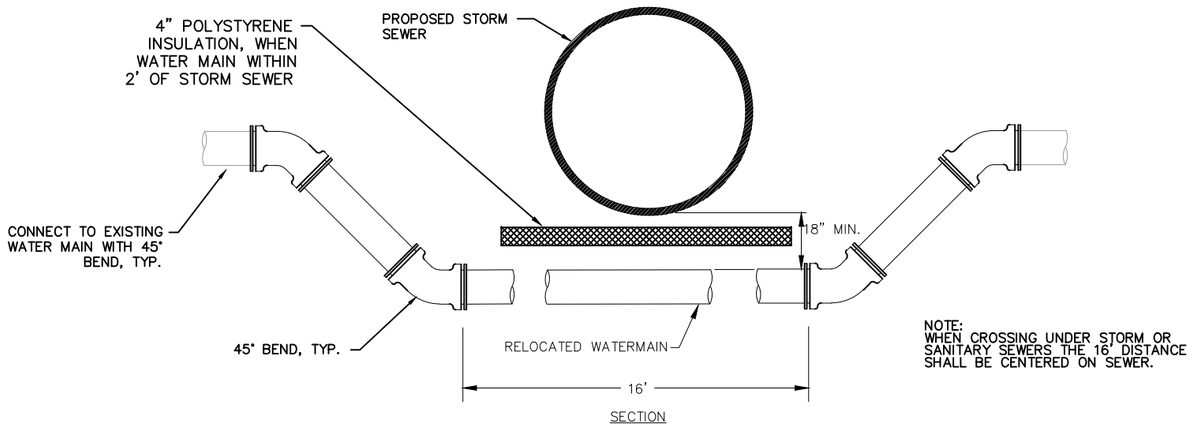
BURIED PIPING INSULATION DETAIL



NOTE:

BEDDING AND BACKFILL MATERIAL AS NOTED IN SPECIAL PROVISIONS.

SEPARATION REQUIREMENTS FOR SEWERS AND WATER MAIN IN COMMON TRENCH IN ROCK EXCAVATION



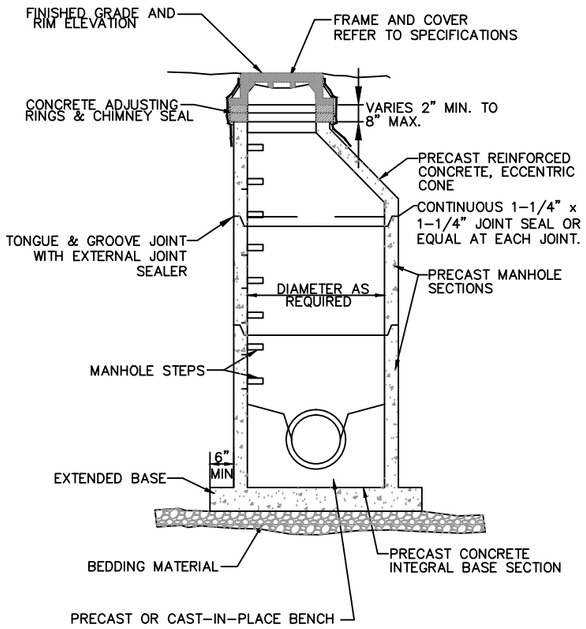
THE EXISTING WATER MAIN SHALL BE RELOCATED IF THE PROPOSED STORM SEWER SHALL IS LOCATED:

A. WITHIN 18 INCHES OF THE TOP OF THE WATER MAIN WHERE SEWER CROSSES OVER THE WATER MAIN.

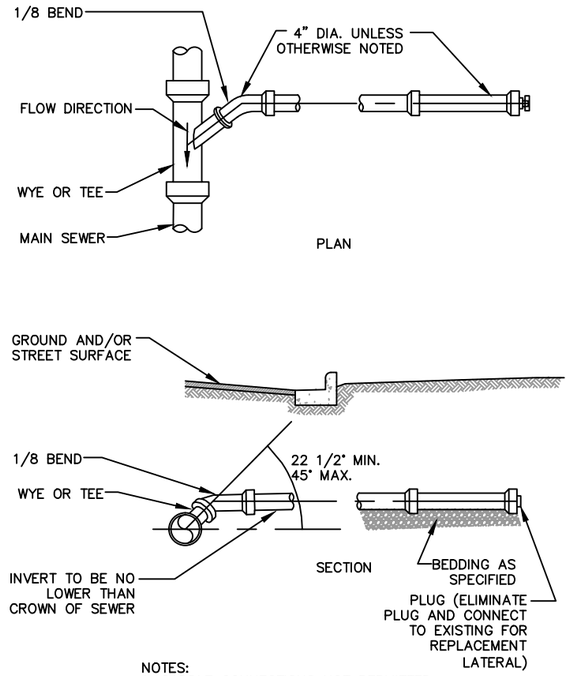
B. WITHIN 6 INCHES OF THE BOTTOM OF THE WATER MAIN WHERE SEWER CROSSES UNDER THE WATER MAIN.

WATER MAIN RELOCATION DETAIL

2

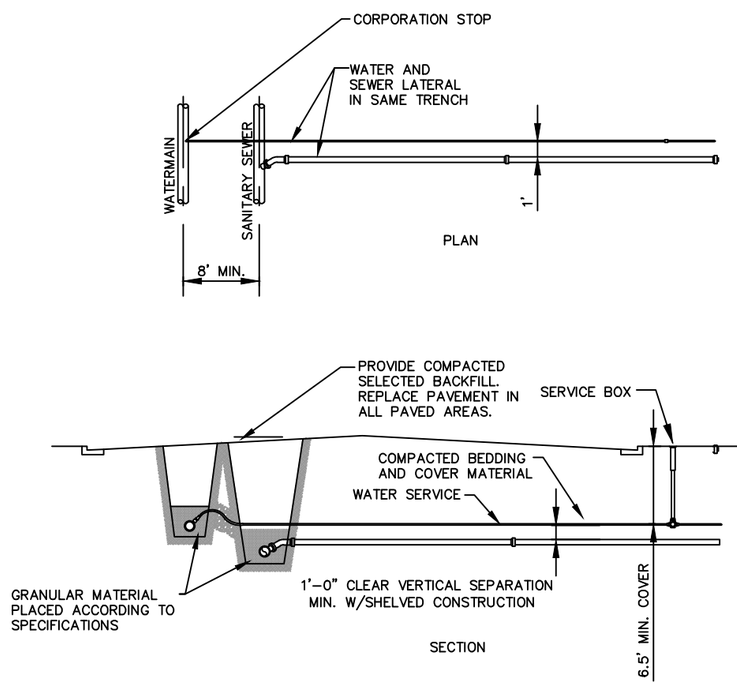


STANDARD SANITARY MANHOLE DETAIL



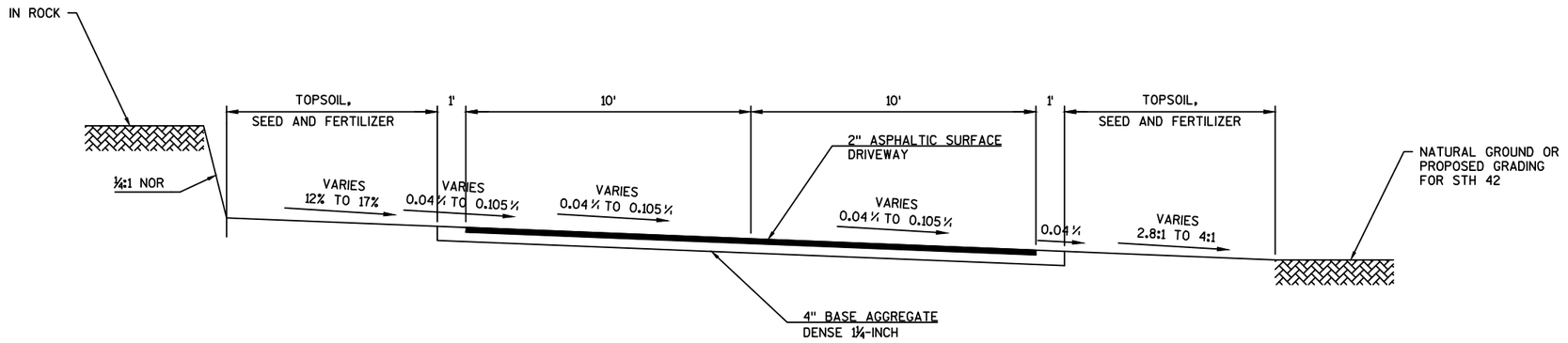
NOTES:
1. SADDLE CONNECTIONS NOT PERMITTED
2. BACKFILL TO CONFORM TO MAIN SEWER.
3. MINIMUM SLOPE: 1/8 INCH PER FOOT.
4. MAXIMUM SLOPE: 1/2 INCH PER FOOT..

STANDARD SANITARY SERVICE LATERAL



STANDARD SEWER AND WATER CONNECTION

2



DRIVEWAY FOR STH 42 STA 611+44 LT

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAIL	SHEET 26	E

2

PI STA = 200+70.12
Y = 286749.738
X = 559124.789
DELTA = 82°17'41"
D = 286°28'44"
T = 17.48'
L = 28.73'
R = 20.00'
PC STA = 200+52.65
PT STA = 200+81.37

N

Y = 286763.725
X = 559083.430

SLOPE INTERCEPT

ASPHALT SURFACE
DRIVEWAY

PI STA = 200+41.45
Y = 286719.270
X = 559118.878
DELTA = 61°44'31"
D = 286°28'44"
T = 11.96'
L = 21.55'
R = 20.00'
PC STA = 200+29.49
PT STA = 200+51.04

STA 201+00

4.0%

4.0%

10'

10'

4.0%

STA 200+50

4.0%

10.5%

10.5%

TOP OF ROCK FACE ELEV = 674.16
BOTTOM OF ROCK FACE ELEV = 671.17

TOP OF ROCK FACE ELEV = 674.82
BOTTOM OF ROCK FACE ELEV = 669.58

TOP OF ROCK FACE ELEV = 678.14
BOTTOM OF ROCK FACE ELEV = 669.90

TIMBER FENCE

TOP OF ROCK FACE ELEV = 678.31
BOTTOM OF ROCK FACE ELEV = 671.59

STA 611+44.11FT
Y = 286693.054
X = 559150.979

STA 200+00

CURB AND GUTTER

STH 42

TOP OF ROCK FACE ELEV = 680.27
BOTTOM OF ROCK FACE ELEV = 673.69

SLOPE INTERCEPT

SIDEWALK

TOP OF ROCK FACE ELEV = 681.87
BOTTOM OF ROCK FACE ELEV = 676.95

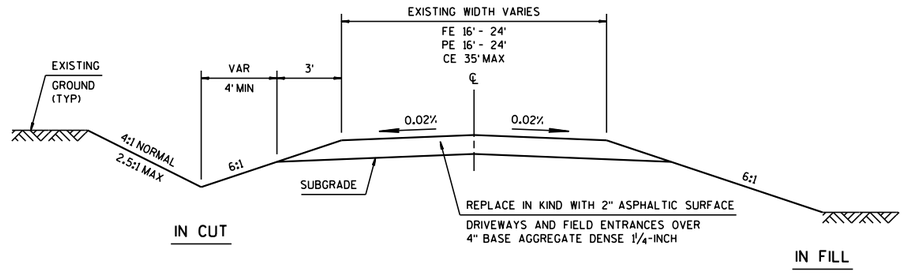
STAMPED AND COLORED SIDEWALK

PLAN VIEW OF DRIVEWAY AT STH 42 STA 611+44 LT

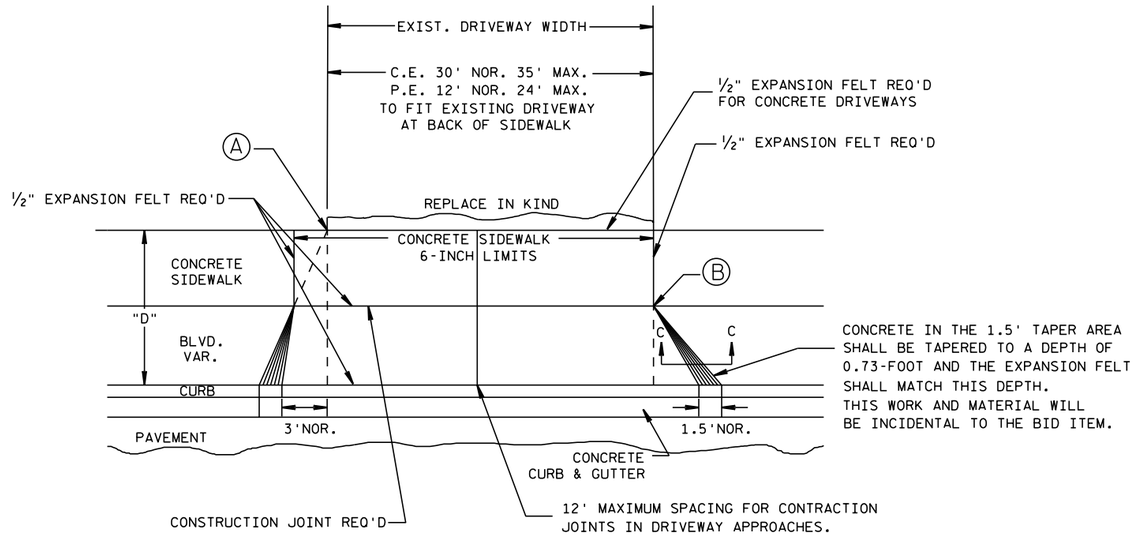
SCALE: 1" = 20'

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAIL	SHEET 27	E

2



TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE

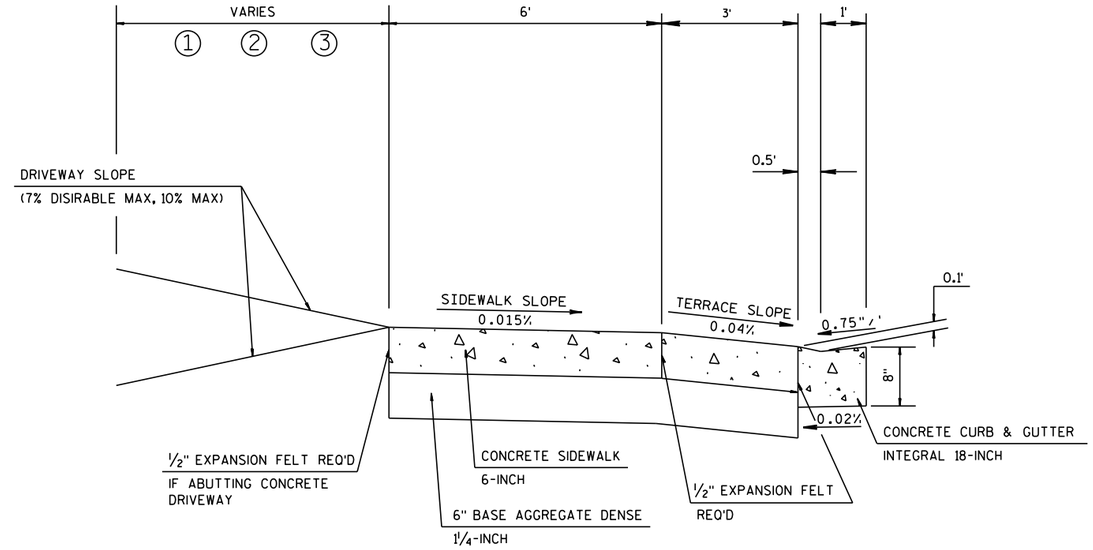


PLAN VIEW

Ⓐ WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

Ⓑ WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK

DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, TERRACE AND CURB & GUTTER

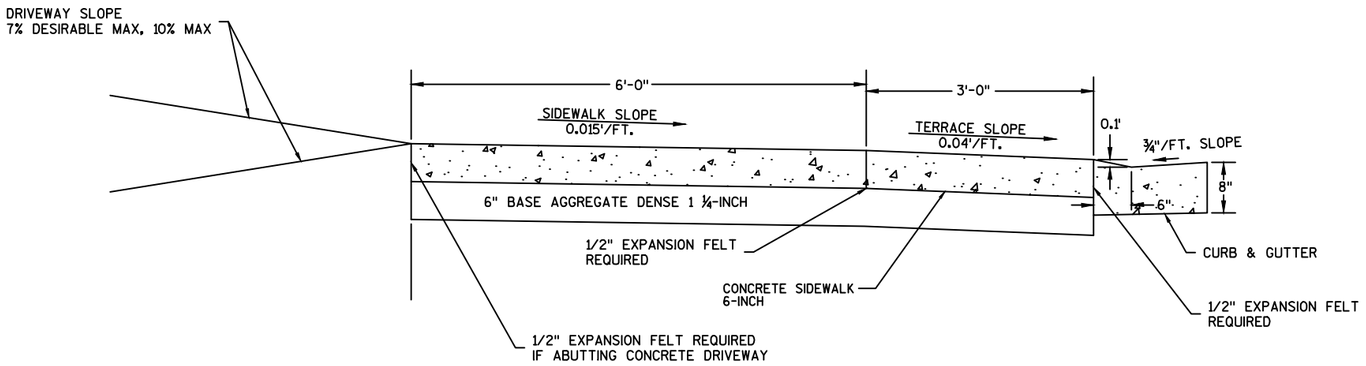


① 6" CONCRETE DRIVEWAY OR H.E.S. CONCRETE DRIVEWAY

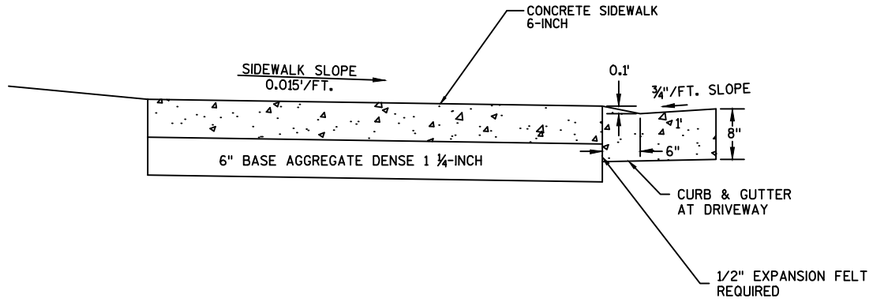
② 6" BASE AGG. DENSE 1 1/4-INCH

③ 4" BASE AGG. DENSE 1 1/4-INCH BASE WITH 2" ASPHALTIC SURFACE

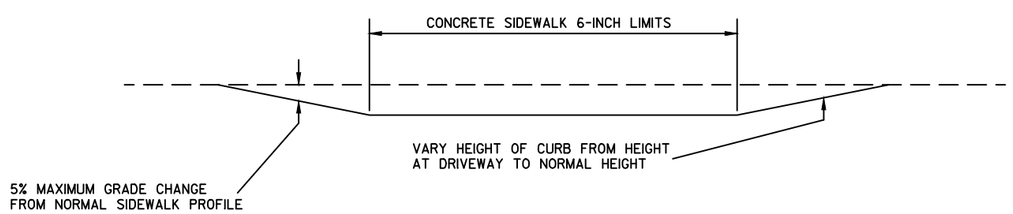
DRIVEWAY WITH TERRACE



DEPRESSED SIDEWALK AT DRIVEWAY WITH TERRACE DETAIL

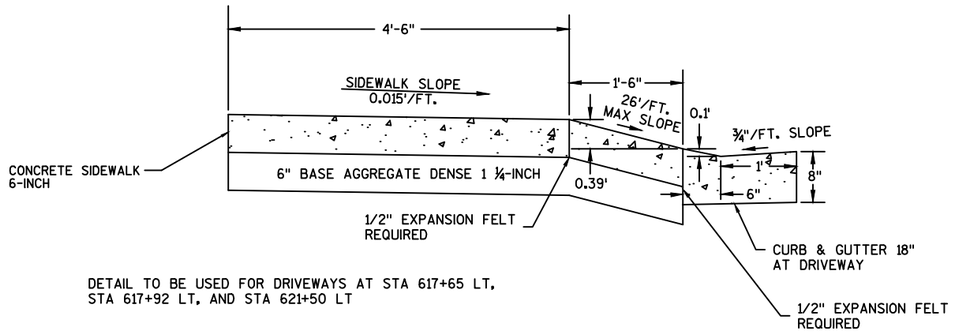


DEPRESSED SIDEWALK AT DRIVEWAY WITHOUT TERRACE DETAIL



DEPRESSED SIDEWALK PROFILE DETAIL

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB & GUTTER AND SIDEWALK)	SHEET 29	E



DETAIL TO BE USED FOR DRIVEWAYS AT STA 617+65 LT,
STA 617+92 LT, AND STA 621+50 LT

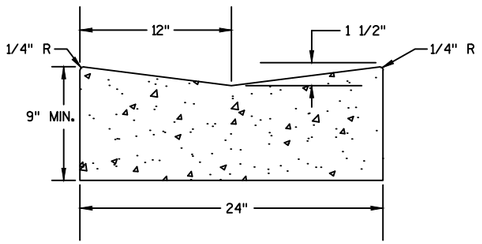
NON-DEPRESSED SIDEWALK AT DRIVEWAY WITHOUT TERRACE DETAIL

GENERAL NOTES

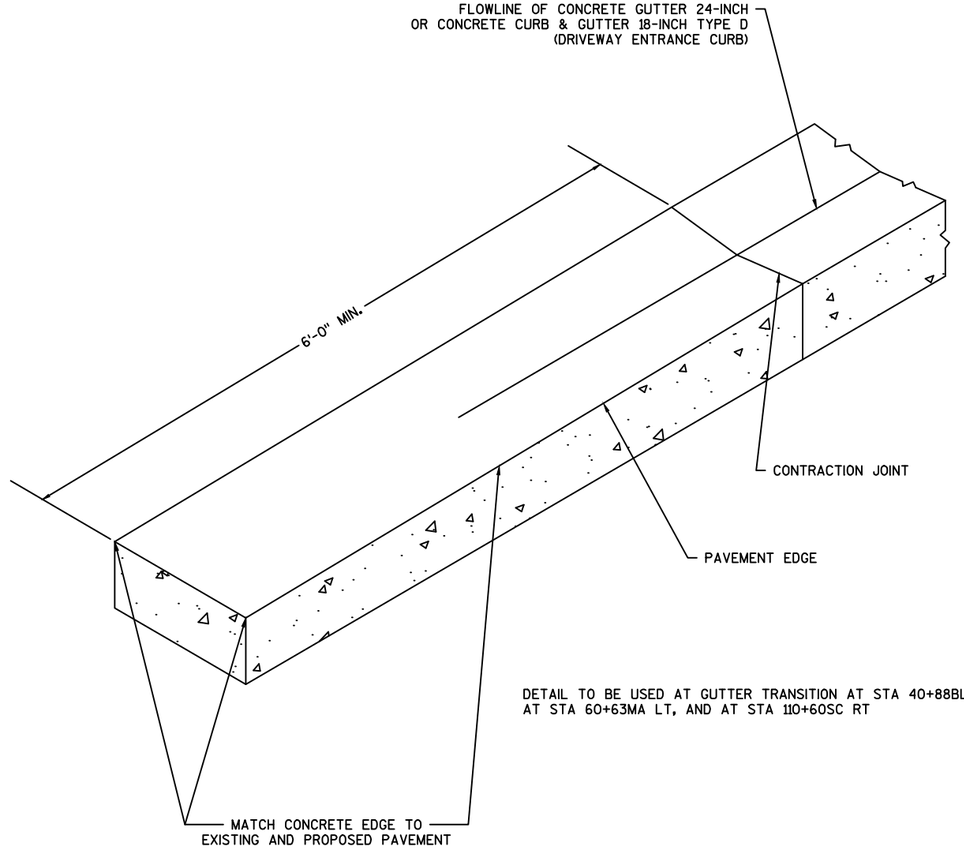
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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

WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUIRED FOR CURB AND GUTTER 24-INCH.

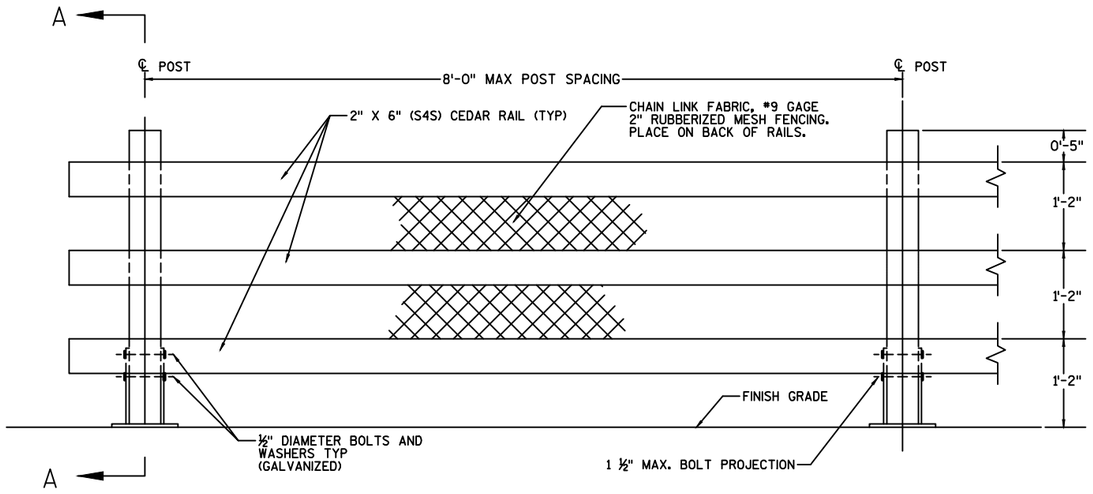


CONCRETE GUTTER 24-INCH



DETAIL TO BE USED AT GUTTER TRANSITION AT STA 40+88BL LT,
AT STA 60+63MA LT, AND AT STA 110+60SC RT

TRANSITION FOR CONCRETE GUTTER OR DRIVEWAY ENTRANCE CURB TO EXISTING PAVEMENT



TIMBER FENCE DETAIL

STA 608+05 LT - STA 609+93 LT
STA 609+60 RT - STA 611+30 RT
STA 610+45 LT - STA 611+44 LT

NOTES

1) FENCING LAYOUT BY ENGINEER IN THE FIELD.

2) HARDWARE, POST BRACKETS AND ANCHOR PLATE DETAIL INCIDENTAL TO THE BID ITEM "TIMBER FENCE".

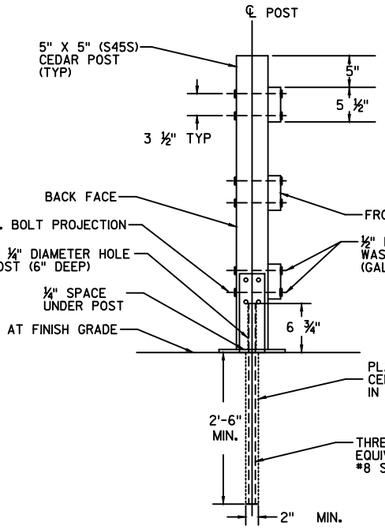
3) HARDWARE AND POST BRACKETS TO BE GALVANIZED AFTER WELDED.

4) STEEL PLATE SHALL BE AASHTO M270M GRADE 250.

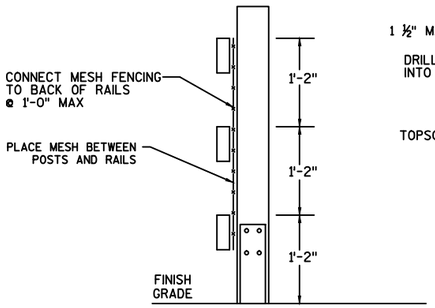
5) 5"X5" POSTS TO FIT TIGHT IN THE POST BRACKET. POST BRACKET WIDTH TO BE ADJUSTED AS NECESSARY BEFORE WELDING.

6) IN AREAS OF SOLID ROCK, DRILL A 2" MINIMUM BORE HOLE INTO THE ROCK TO A DEPTH OF 2'-6". CUT THE POST SO THAT A LENGTH OF 3'-11" PROTRUDES ABOVE THE GROUND. DRILL A 1 ¼" PILOT HOLE 6" INTO THE BOTTOM OF THE POST. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR, FILL THE BORE HOLE WITH EPOXY, CONCRETE CEMENT OR EQUIVALENT. PLACE POST WITH THE EXTENDED REINFORCING BAR INTO THE BORE HOLE. DEPTH OF THE BORE HOLE AND REINFORCING BAR MAY BE INCREASED AT THE DIRECTION OF THE ENGINEER.

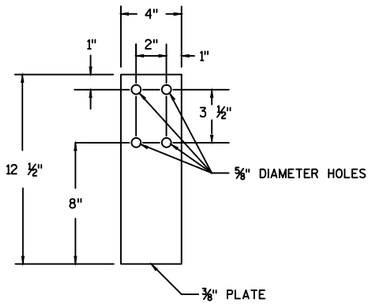
7) TIMBER RAILS TO BE PLACED ON STH 42 SIDE OF POSTS.



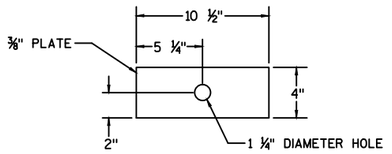
POST CONNECTION



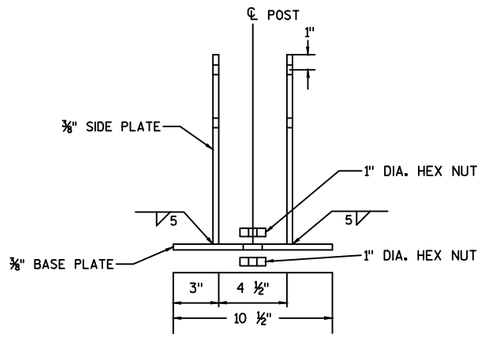
MESH FENCING CONNECTION



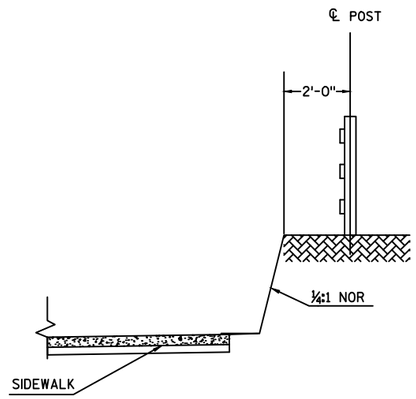
SIDE PLATE DETAIL



BASE PLATE DETAIL



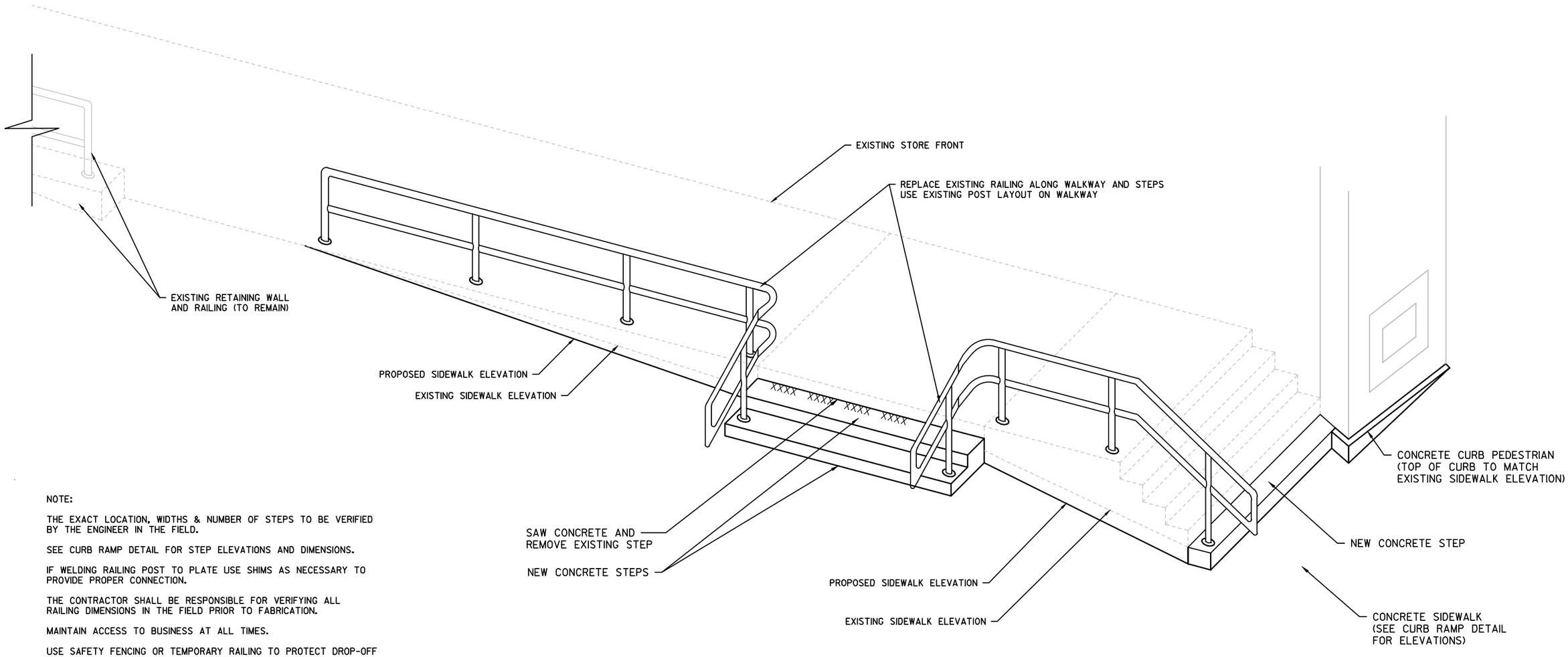
POST BRACKET ASSEMBLY



TYPICAL SECTION FOR TIMBER FENCE AREA

SECTION A-A

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (TIMBER FENCE)	SHEET 31	E



NOTE:

THE EXACT LOCATION, WIDTHS & NUMBER OF STEPS TO BE VERIFIED BY THE ENGINEER IN THE FIELD.

SEE CURB RAMP DETAIL FOR STEP ELEVATIONS AND DIMENSIONS.

IF WELDING RAILING POST TO PLATE USE SHIMS AS NECESSARY TO PROVIDE PROPER CONNECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL RAILING DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.

MAINTAIN ACCESS TO BUSINESS AT ALL TIMES.

USE SAFETY FENCING OR TEMPORARY RAILING TO PROTECT DROP-OFF AREA DURING CONSTRUCTION (INCIDENTAL TO THE WORK).

THE DEPARTMENT WILL MEASURE HANDRAIL SPECIAL BY LINEAR FOOT OF RAIL FROM END POST TO END POST INSTALLED AND ACCEPTED. HANDRAIL OVERHANGING ANY POST SHALL BE INCIDENTAL TO THE CONTRACT.

PROVIDE 2 INCHES MINIMUM CONCRETE COVERAGE OVER NO. 4 BARS.

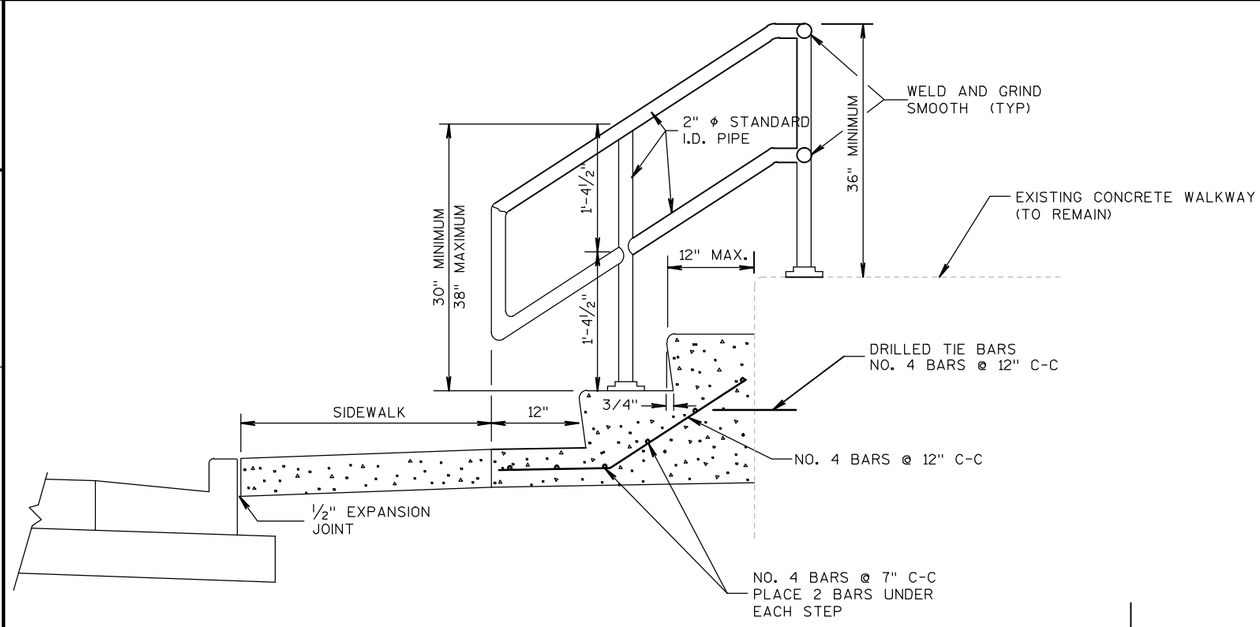
THE FINISH COLOR OF HANDRAIL SPECIAL SHALL BE FEDERAL COLOR NO. 27038, BLACK.

CONCRETE STEPS AND RAILING SHALL MEET ALL STATE AND LOCAL BUILDING CODES.

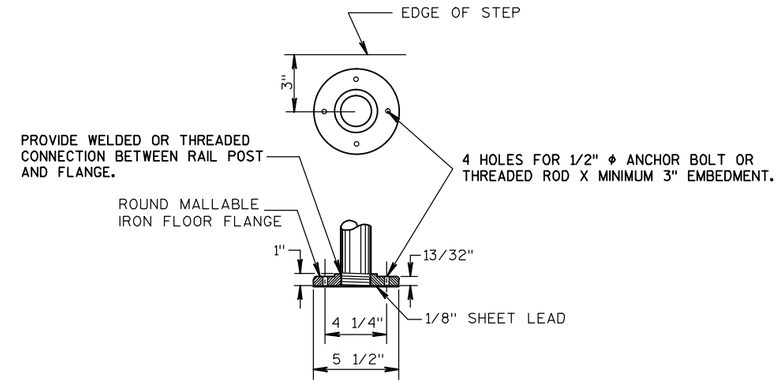
(NOT TO SCALE)

CONCRETE STEPS AND RAILING LAYOUT DETAIL

(STA 616+09 LT TO STA 616+24 LT)



STEPS AT STA 616+09 LT



FLANGE DETAIL

NOTE:

THE EXACT LOCATION, WIDTHS & NUMBER OF STEPS TO BE VERIFIED BY THE ENGINEER IN THE FIELD.

SEE CURB RAMP DETAIL FOR STEP ELEVATIONS AND DIMENSIONS.

IF WELDING RAILING POST TO PLATE USE SHIMS AS NECESSARY TO PROVIDE PROPER CONNECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL RAILING DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.

MAINTAIN ACCESS TO BUSINESS AT ALL TIMES.

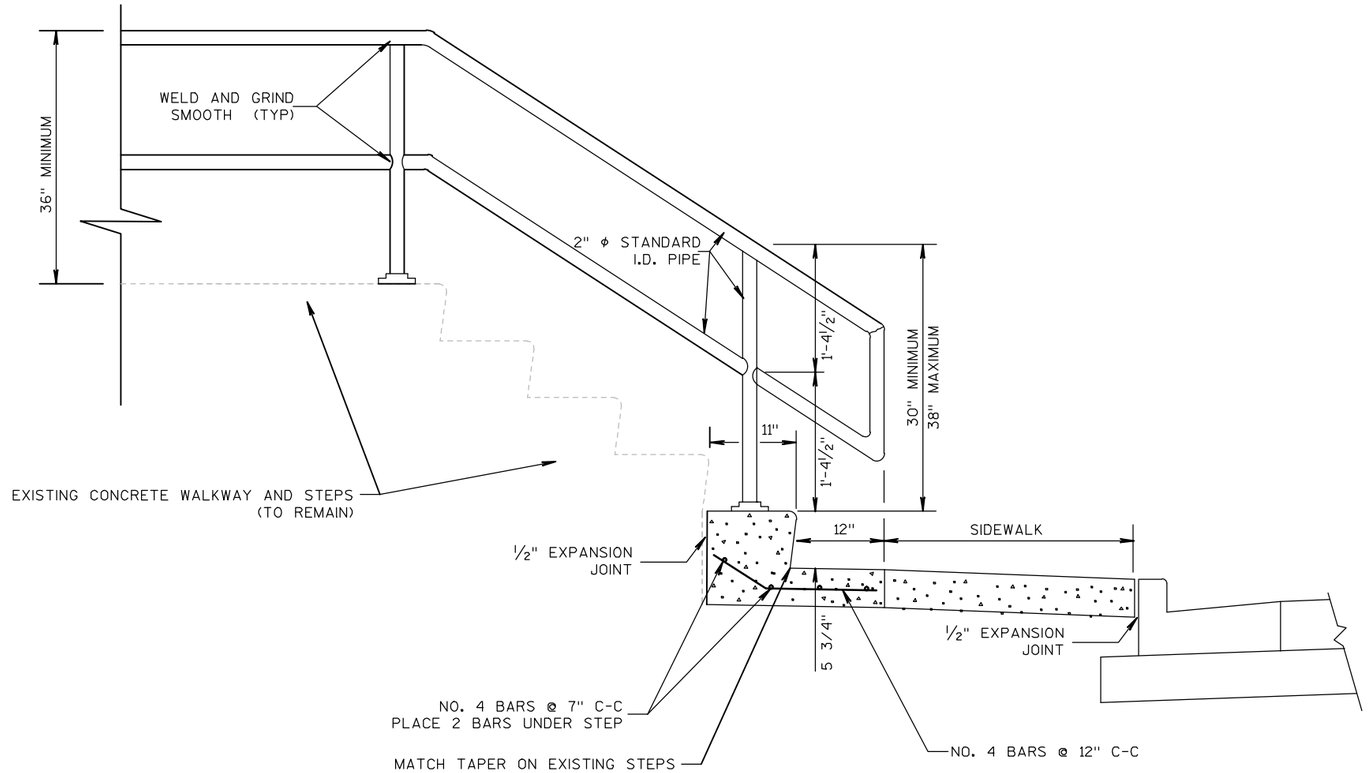
USE SAFETY FENCING OR TEMPORARY RAILING TO PROTECT DROP-OFF AREA DURING CONSTRUCTION (INCIDENTAL TO THE WORK).

THE DEPARTMENT WILL MEASURE HANDRAIL SPECIAL BY LINEAR FOOT OF RAIL FROM END POST TO END POST INSTALLED AND ACCEPTED. HANDRAIL OVERHANGING ANY POST SHALL BE INCIDENTAL TO THE CONTRACT.

PROVIDE 2 INCHES MINIMUM CONCRETE COVERAGE OVER NO. 4 BARS.

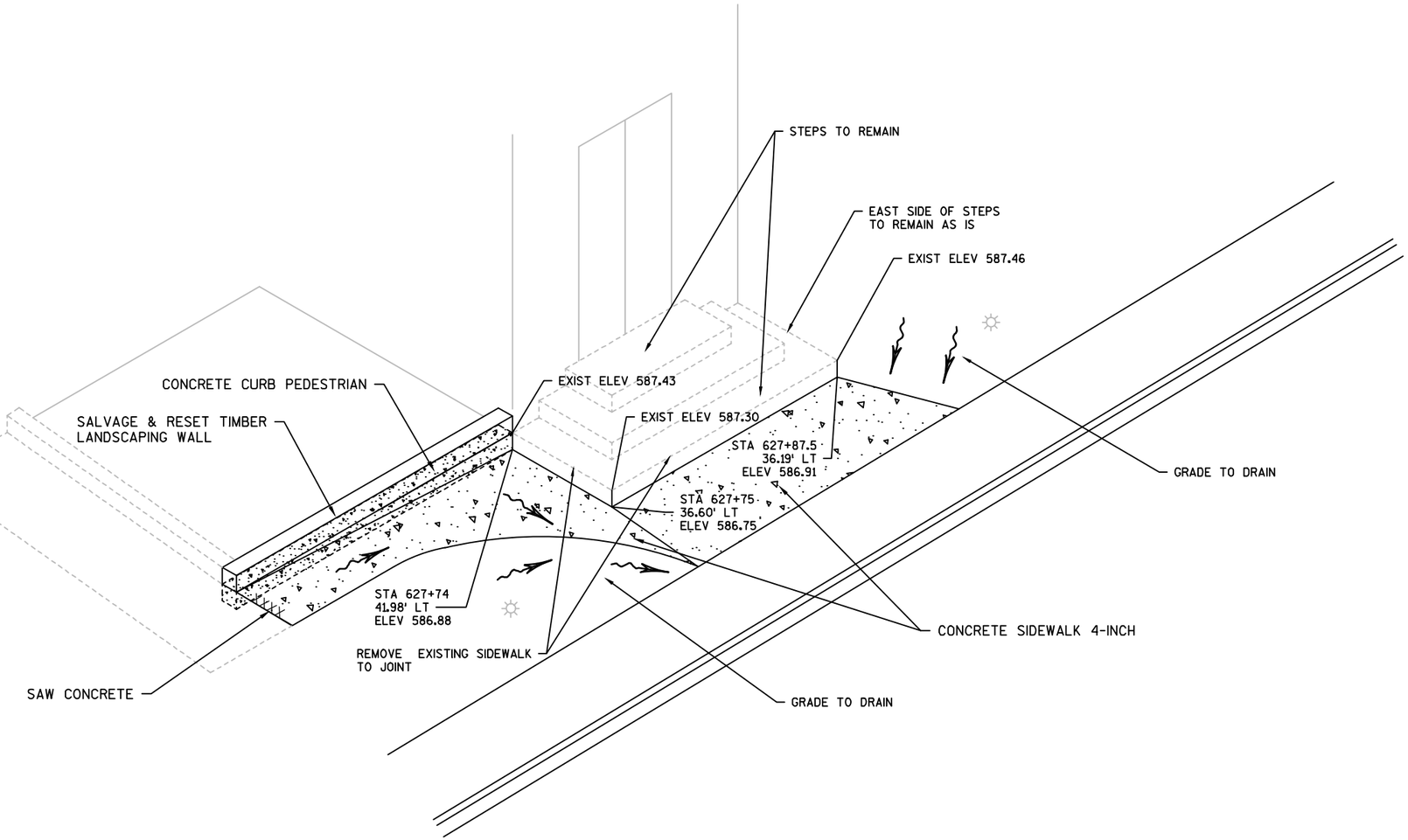
THE FINISH COLOR OF HANDRAIL SPECIAL SHALL BE FEDERAL COLOR NO. 27038, BLACK.

CONCRETE STEPS AND RAILING SHALL MEET ALL STATE AND LOCAL BUILDING CODES.



STEPS AT STA 616+24 LT

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CONCRETE STEPS)	SHEET 33	E



NOTES:

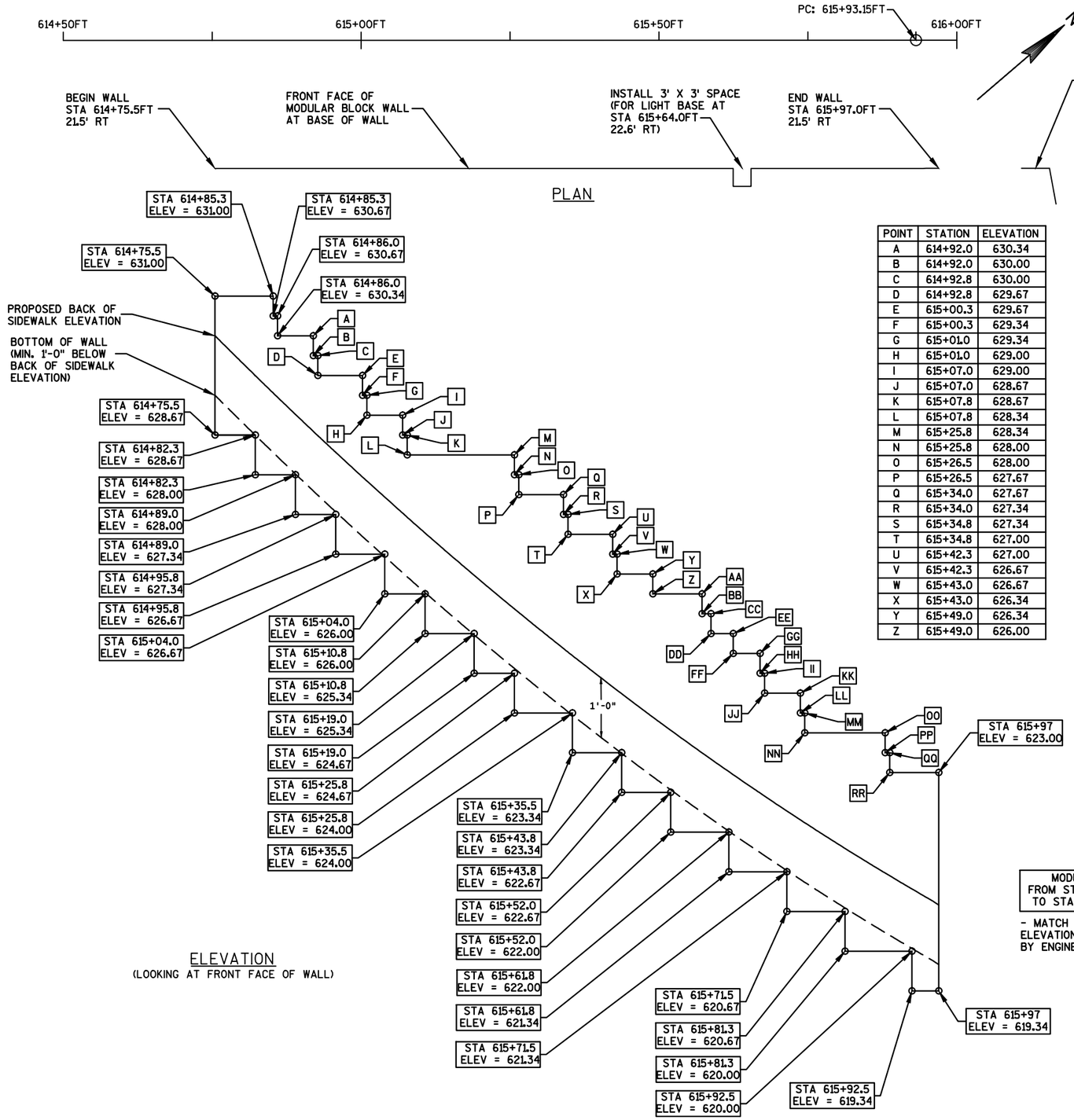
FIELD VERIFY EXISTING ELEVATIONS PRIOR TO INSTALLING SIDEWALK.

HEIGHT FROM SIDEWALK TO NEW STEP SHALL MATCH HEIGHT OF EXISTING STEPS.

(NOT TO SCALE)

STEPS AT STA 627+74 LT TO STA 627+88 LT

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CONCRETE STEPS)	SHEET 34	E



ELEVATION
(LOOKING AT FRONT FACE OF WALL)

POINT	STATION	ELEVATION
A	614+92.0	630.34
B	614+92.0	630.00
C	614+92.8	630.00
D	614+92.8	629.67
E	615+00.3	629.67
F	615+00.3	629.34
G	615+01.0	629.34
H	615+01.0	629.00
I	615+07.0	629.00
J	615+07.0	628.67
K	615+07.8	628.67
L	615+07.8	628.34
M	615+25.8	628.34
N	615+25.8	628.00
O	615+26.5	628.00
P	615+26.5	627.67
Q	615+34.0	627.67
R	615+34.0	627.34
S	615+34.8	627.34
T	615+34.8	627.00
U	615+42.3	627.00
V	615+42.3	626.67
W	615+43.0	626.67
X	615+43.0	626.34
Y	615+49.0	626.34
Z	615+49.0	626.00

POINT	STATION	ELEVATION
AA	615+57.3	626.00
BB	615+57.3	625.67
CC	615+58.8	625.67
DD	615+58.8	625.34
EE	615+62.5	625.34
FF	615+62.5	625.00
GG	615+67.0	625.00
HH	615+67.0	624.67
II	615+67.8	624.67
JJ	615+67.8	624.34
KK	615+73.8	624.34
LL	615+73.8	624.00
MM	615+74.5	624.00
NN	615+74.5	623.67
OO	615+88.0	623.67
PP	615+88.0	623.34
QQ	615+88.8	623.34
RR	615+88.8	623.00

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE DESIGN PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINING WALL 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 "MODULAR BLOCK GRAVITY WALL".

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 IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

THE ESTIMATE ALLOWABLE BEARING PRESSURE FOR THE WALL IS 4000 PSF.

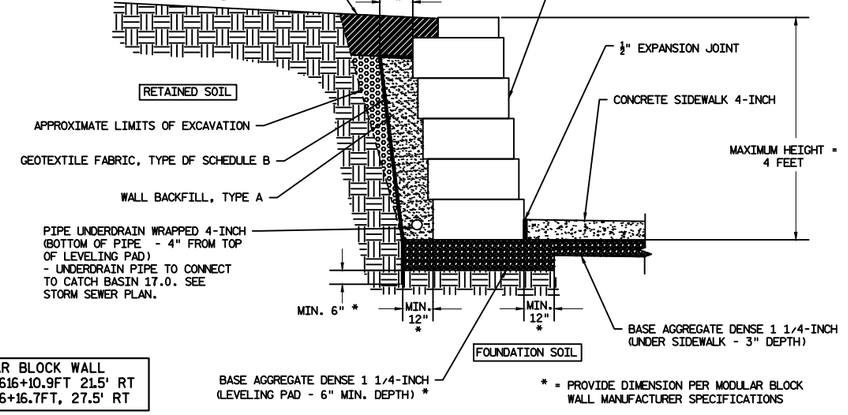
THE MINIMUM WALL EMBEDMENT SHALL BE 1'-0".

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

SEE SPECIAL PROVISIONS FOR BLOCK TYPE AND COLORS.

INSTALL LIGHT BASE AT STA 615+64FT, 22.6' RT PRIOR TO CONSTRUCTION OF WALL.

ELEVATION VIEW OF WALL USED BLOCKS THAT WERE 8-INCHES HIGH BY 18-INCHES LONG. MODULAR BLOCK WALL SYSTEM USED BY CONTRACTOR MAY VARY. ADJUST BOTTOM OR TOP OF WALL AS NEEDED.



TYPICAL CROSS SECTION VIEW

MODULAR BLOCK WALL
FROM STA 616+10.9FT 21.5' RT
TO STA 616+16.7FT, 27.5' RT

- MATCH EXISTING TOP OF WALL ELEVATION - TO BE FIELD VERIFIED BY ENGINEER

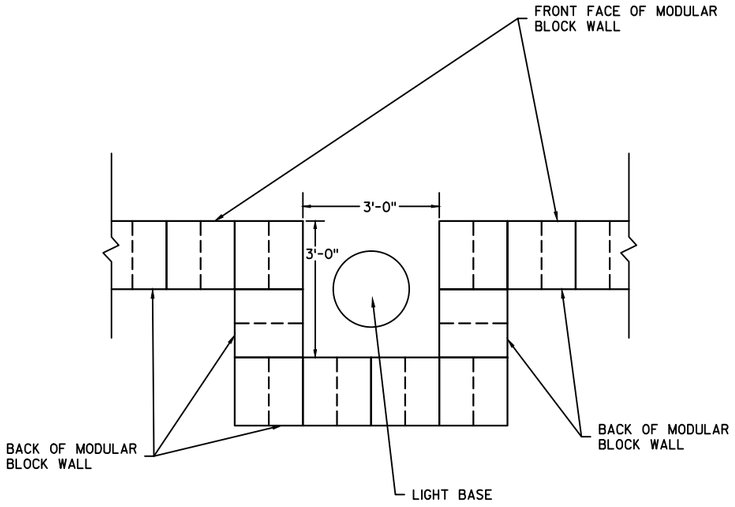
TOTAL ESTIMATED QUANTITIES

MODULAR BLOCK WALL - AS SHOWN IN DETAIL - 416 SF
MODULAR BLOCK WALL - STA 616+10.9FT 21.5'RT TO STA 616+16.7FT, 27.5' RT- MATCHING CONFIGURATION OF EXISTING WALL - 48 SF
MODULAR BLOCK WALL - TOTAL - 464 SF

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (MODULAR BLOCK WALL)	SHEET 35	E



PLAN VIEW FOR 3' X 3' SPACE FOR LIGHT BASE AT STA 615+64.0FT 22.6' RT

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE DESIGN PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINING WALL 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 "MODULAR BLOCK GRAVITY WALL".

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 IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

THE ESTIMATE ALLOWABLE BEARING PRESSURE FOR THE WALL IS 4000 PSF.

THE MINIMUM WALL EMBEDMENT SHALL BE 1'-0".

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

SEE SPECIAL PROVISIONS FOR BLOCK TYPE AND COLORS.

INSTALL LIGHT BASE AT STA 615+64FT, 22.6' RT PRIOR TO CONSTRUCTION OF WALL.

ELEVATION VIEW OF WALL USED BLOCKS THAT WERE 8-INCHES HIGH BY 18-INCHES LONG. MODULAR BLOCK WALL SYSTEM USED BY CONTRACTOR MAY VARY. ADJUST BOTTOM OR TOP OF WALL AS NEEDED.

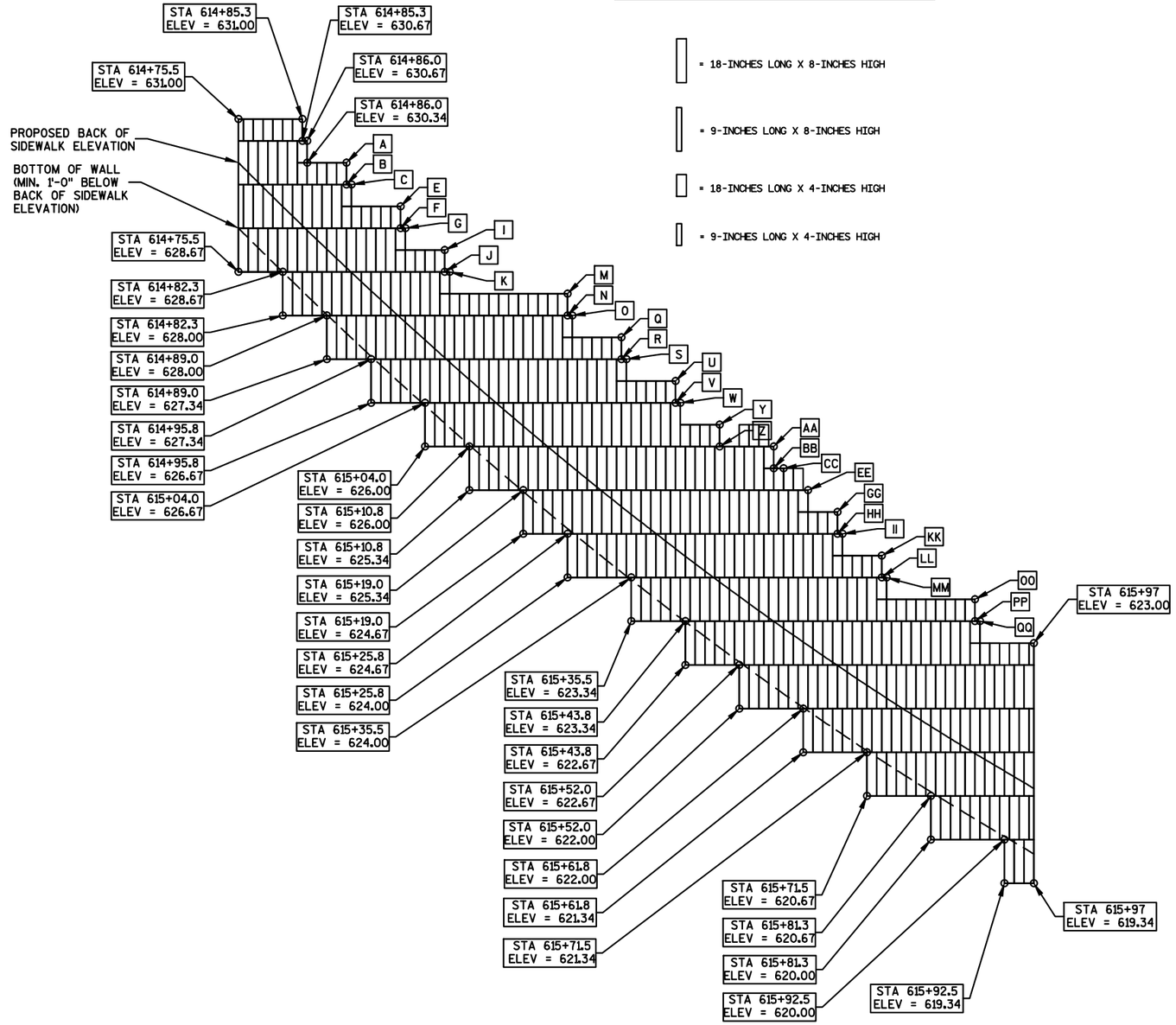
SIZE OF BLOCKS USED FOR LAYOUT

= 18-INCHES LONG X 8-INCHES HIGH

= 9-INCHES LONG X 8-INCHES HIGH

= 18-INCHES LONG X 4-INCHES HIGH

= 9-INCHES LONG X 4-INCHES HIGH



ELEVATION WITH BLOCK DETAIL
(LOOKING AT FRONT FACE OF WALL)

STH 42

GENERAL NOTES

1. CUSTOM DETAILS ARE TO ASSIST WITH ADA COMPLIANCE AND DO NOT PROVIDE ALL INFORMATION TO COMPLETE CURB RAMP CONSTRUCTION.
2. SEE SDD 8D5 FOR ITEMS NOT SHOWN ON THIS CONSTRUCTION DETAIL; SUCH AS EXPANSION JOINT LOCATIONS, WORKSMANSHIP DETAILS, AND OTHER ITEMS PERTINENT TO PROPER CONSTRUCTION OF PEDESTRIAN CURB RAMPS.
3. DEPRESSED CURB IDENTIFIES A CURB HEAD HEIGHT OF ZERO INCHES.

N

STA 602+11.9FT
OFFSET 36.3' RT
ELEV 710.79

STA 602+17.0FT
OFFSET 36.3' RT
ELEV 710.36

MATCH LINE OF SIDEWALK

STA 602+17.0FT
OFFSET 38.8' RT
ELEV 710.38

STA 602+12.6FT
OFFSET 38.8' RT
ELEV 710.75

STA 602+19.0FT
OFFSET 38.9' RT
ELEV 710.35

12:1 SLOPE
(MAX)

STA 602+13.2FT
OFFSET 41.3' RT
ELEV 710.71

0.6% SLOPE

STA 602+20.7FT
OFFSET 41.4' RT
ELEV 710.34

STA 602+17.0FT
OFFSET 41.3' RT
ELEV 710.40

1.5% SLOPE

STA 602+13.8FT
OFFSET 43.8' RT
ELEV 710.67

STA 602+22.2FT
OFFSET 43.9' RT
ELEV 710.33

STA 602+23.2FT
OFFSET 45.9' RT
ELEV 710.32

NOT SQUARE TO AVOID MANHOLE

STA 602+17.0FT
OFFSET 43.8' RT
ELEV 710.41

STA 602+14.3FT
OFFSET 45.9' RT
ELEV 710.64

STA 602+17.0FT
OFFSET 45.9' RT
ELEV 710.42

LEGEND

- – – CONTRACTION JOINT FIELD LOCATED
- CROSSWALK EPOXY 6-INCH
- DEPRESSED CURB
- DETECTABLE WARNING FIELD

STH 42 / COUNTRY WALK DRIVE - SW QUAD
1 INCH = 5 FEET

COUNTRY WALK DRIVE

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 37	E

STH 42

N

STA 602+72.4FT
OFFSET 37.3' RT
ELEV 709.84

STA 602+72.4FT
OFFSET 39.2' RT
ELEV 709.87

STA 602+71.0FT
OFFSET 39.2' RT
ELEV 709.85

1.5% SLOPE

STA 602+69.3FT
OFFSET 41.7' RT
ELEV 709.86

STA 602+72.4FT
OFFSET 41.7' RT
ELEV 709.91

STA 602+67.9FT
OFFSET 44.2' RT
ELEV 709.87

STA 602+67.1FT
OFFSET 46.0' RT
ELEV 709.88

STA 602+72.4FT
OFFSET 44.2' RT
ELEV 709.94

12:1 SLOPE
(MAX)

1.2% SLOPE

STA 602+72.4FT
OFFSET 46.0' RT
ELEV 709.96

STA 602+82.1FT
OFFSET 37.2' RT
ELEV 710.64

STA 602+82.1FT
OFFSET 39.4' RT
ELEV 710.62

STA 602+82.1FT
OFFSET 41.6' RT
ELEV 710.56

MATCH LINE OF SIDEWALK

STA 602+82.1FT
OFFSET 43.8' RT
ELEV 710.49

STA 602+82.1FT
OFFSET 46.0' RT
ELEV 710.43

COUNTRY WALK DRIVE

STH 42 / COUNTRY WALK DRIVE - SE QUAD
1 INCH = 5 FEET

LEGEND

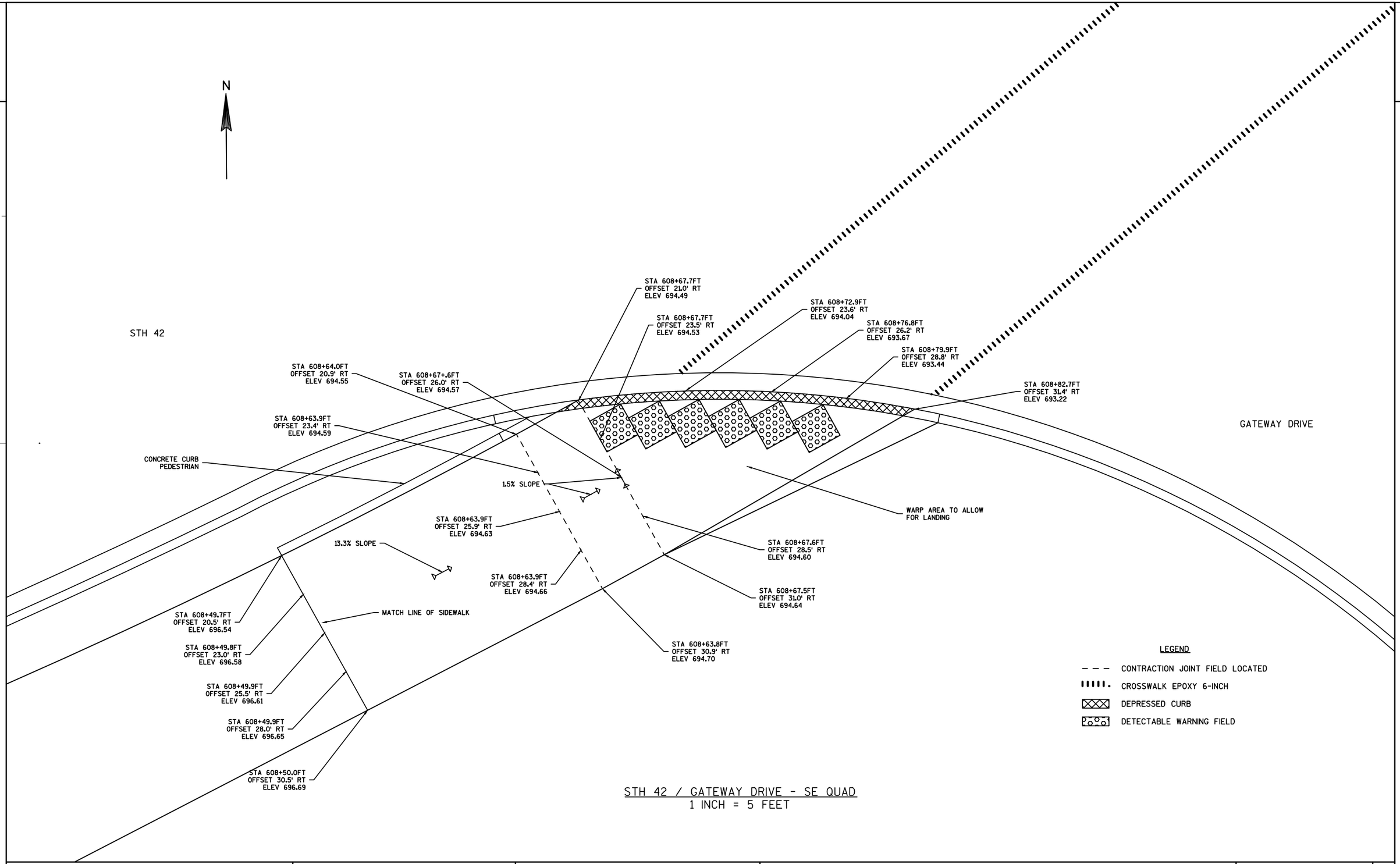
- - - CONTRACTION JOINT FIELD LOCATED
CROSSWALK EPOXY 6-INCH
DEPRESSED CURB
DETECTABLE WARNING FIELD

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 38	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSOTHER\021101_CD\021101_CD.DWG PLOT DATE : 1/30/2015 10:31 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : ---------- PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

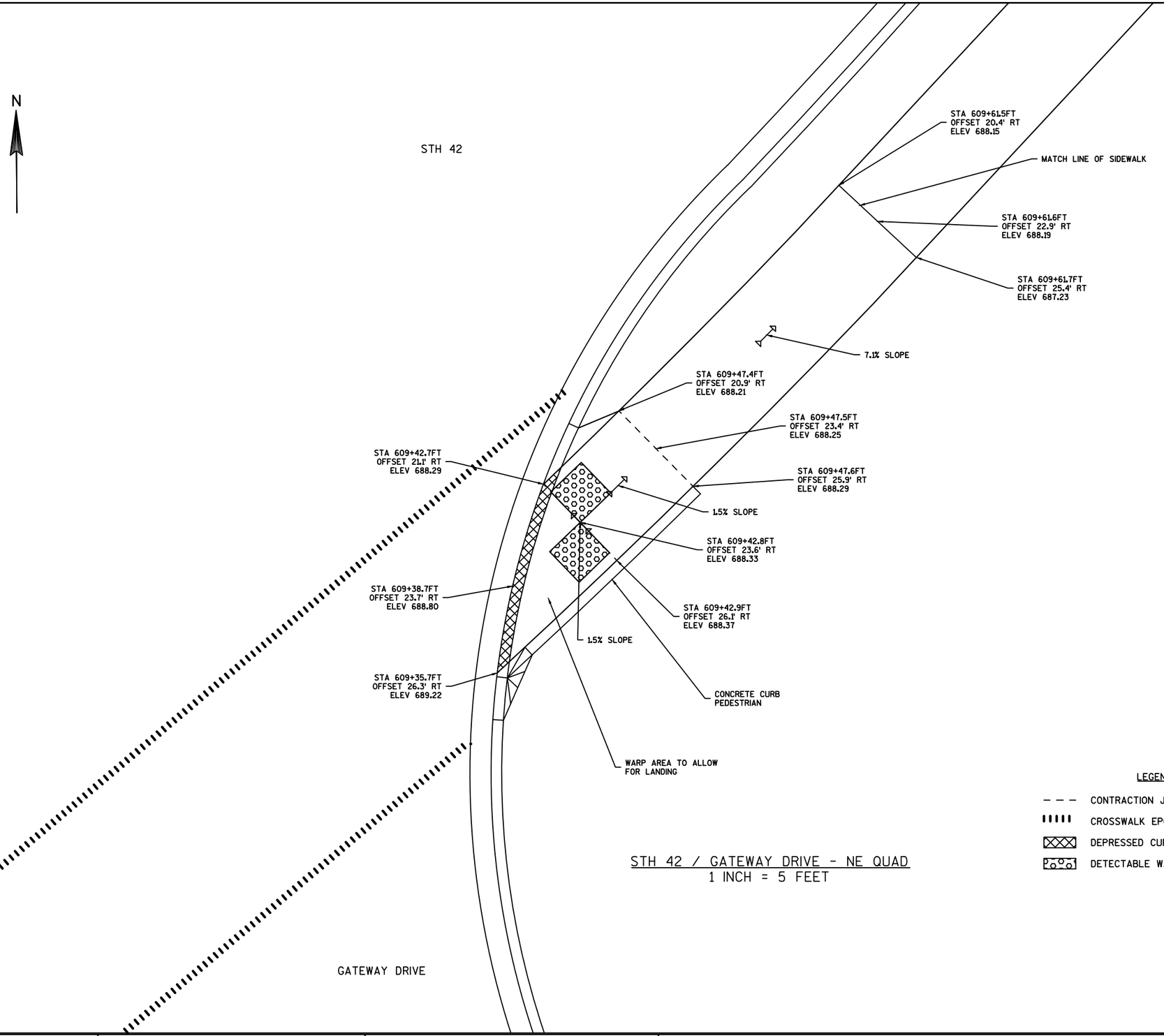
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STH 42 / GATEWAY DRIVE - SE QUAD
1 INCH = 5 FEET

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 39	E

2



STH 42 / GATEWAY DRIVE - NE QUAD
1 INCH = 5 FEET

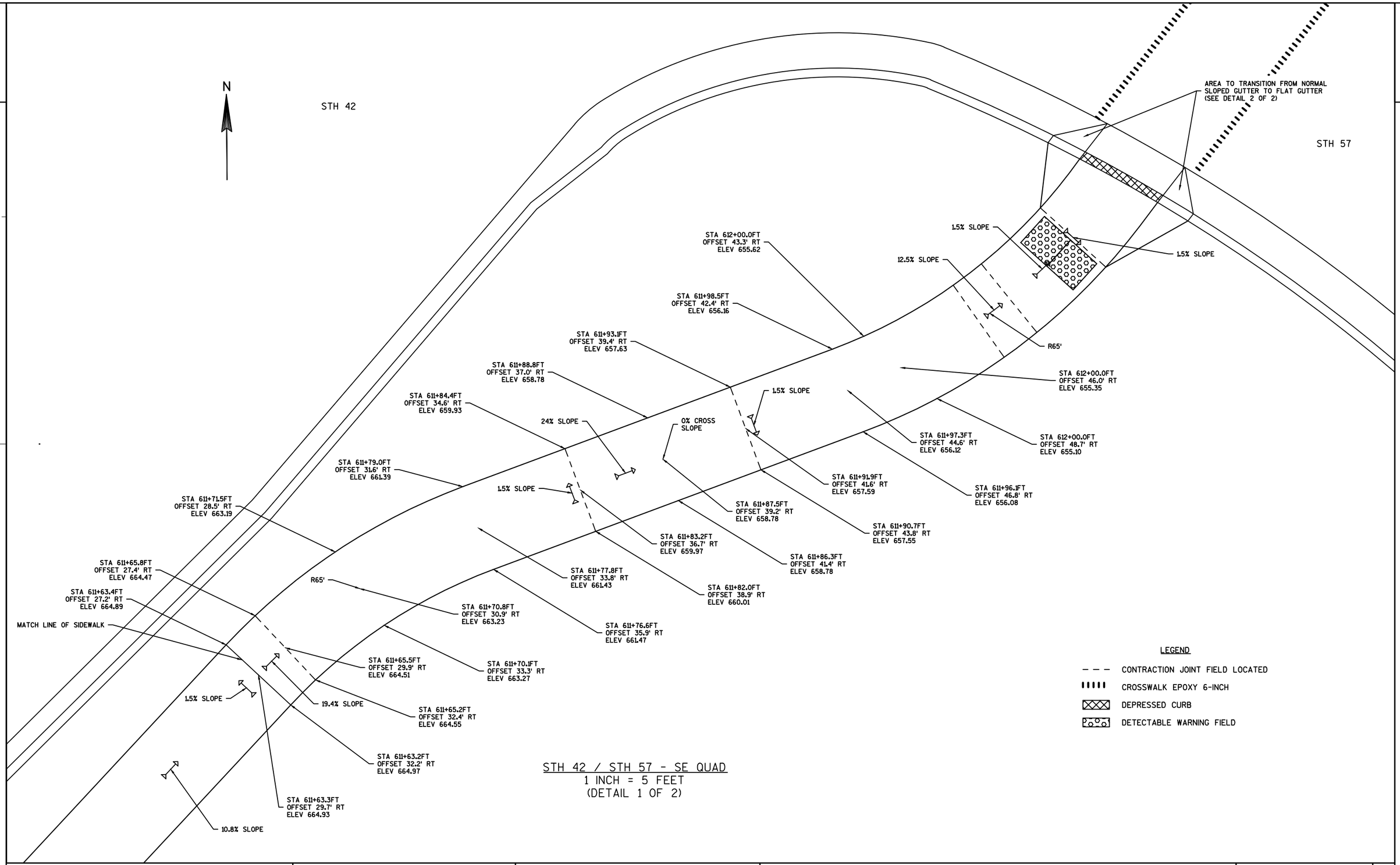
LEGEND

- – – CONTRACTION JOINT FIELD LOCATED
- CROSSWALK EPOXY 6-INCH
- DEPRESSED CURB
- DETECTABLE WARNING FIELD

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 40	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSOTHER\021101_CD\021101_CD.DWG PLOT DATE : 1/30/2015 10:31 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : ---------- PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

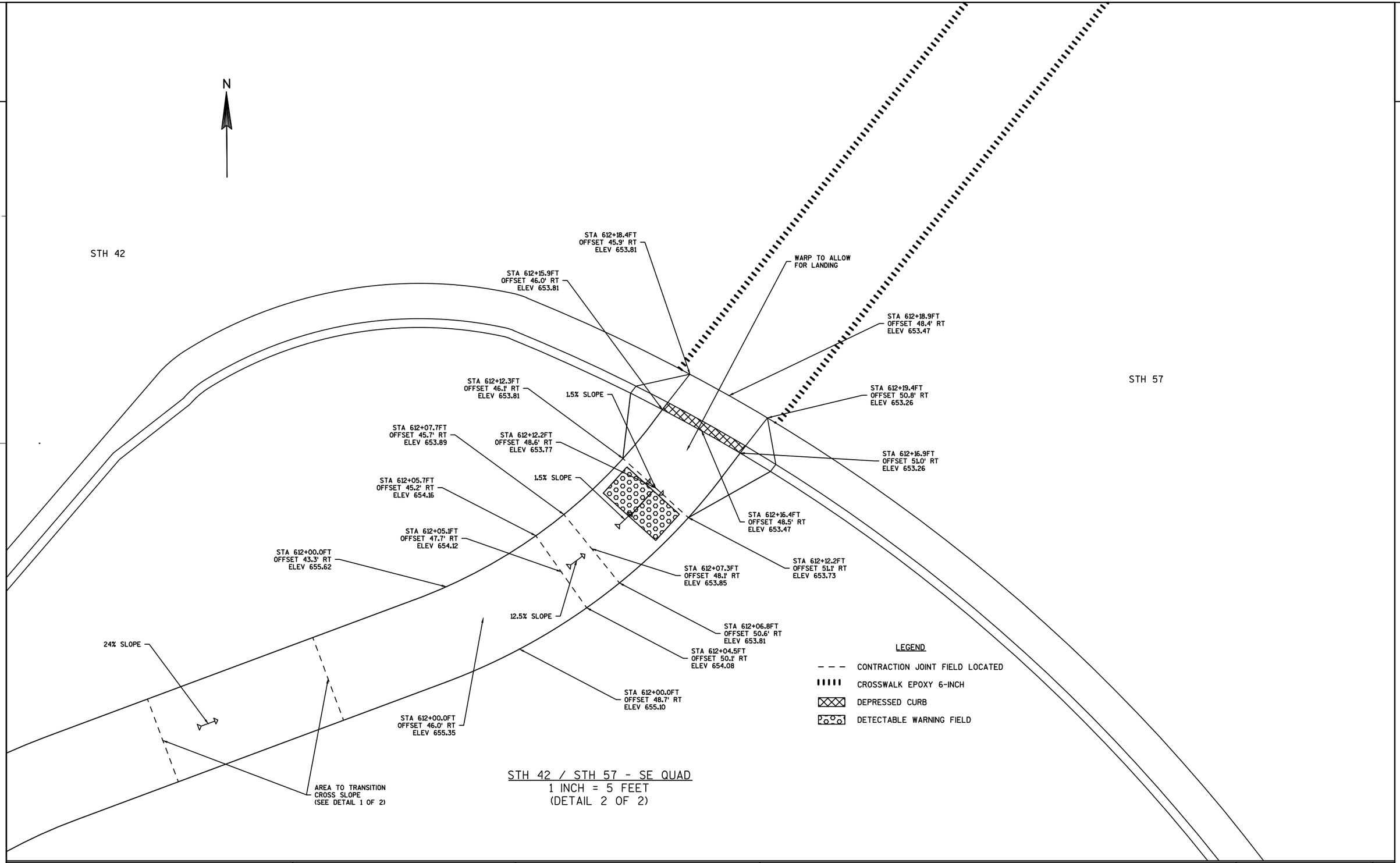
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STH 42 / STH 57 - SE QUAD
1 INCH = 5 FEET
(DETAIL 1 OF 2)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 41	E

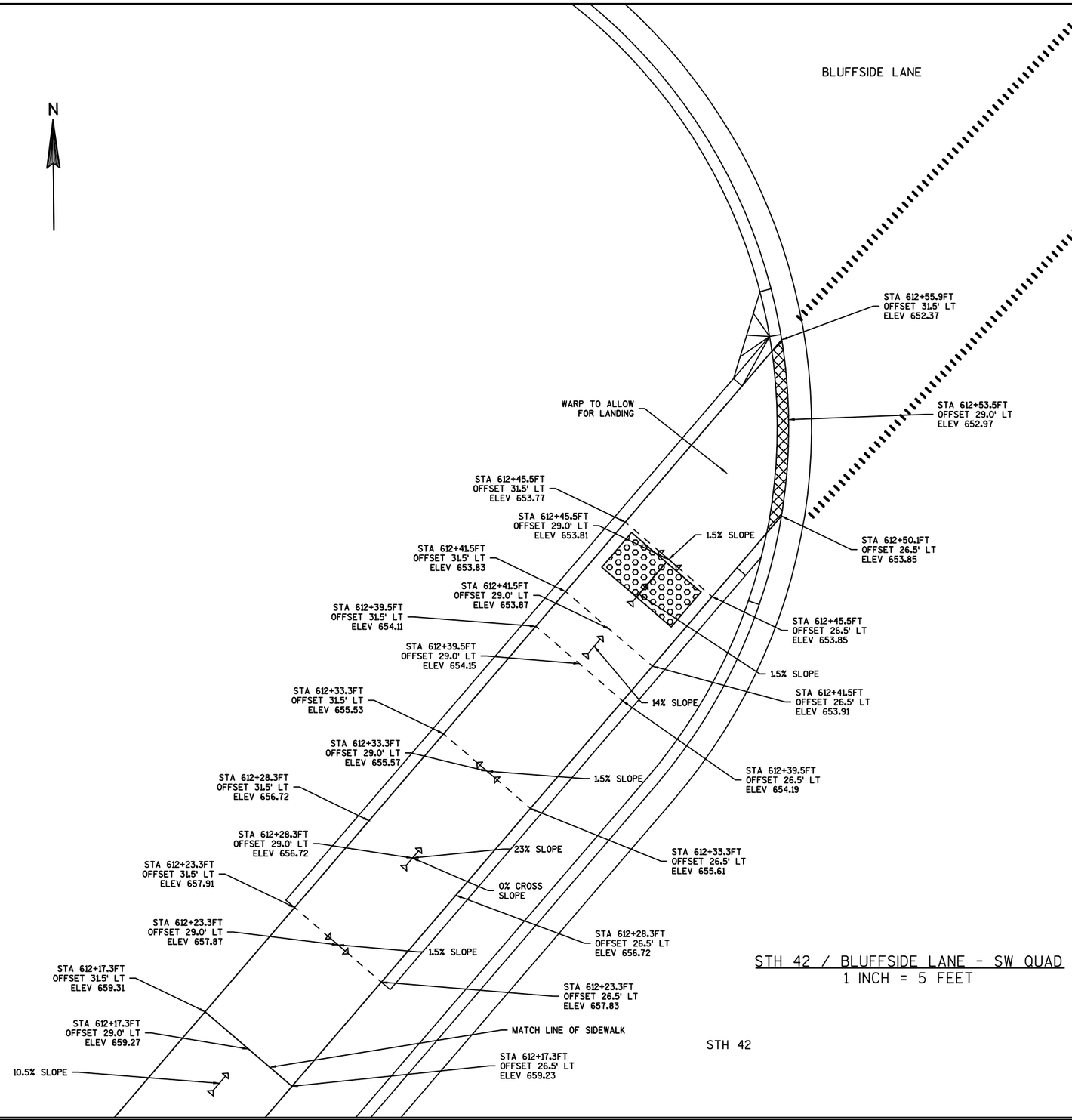
2



STH 42 / STH 57 - SE QUAD
1 INCH = 5 FEET
(DETAIL 2 OF 2)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 42	E

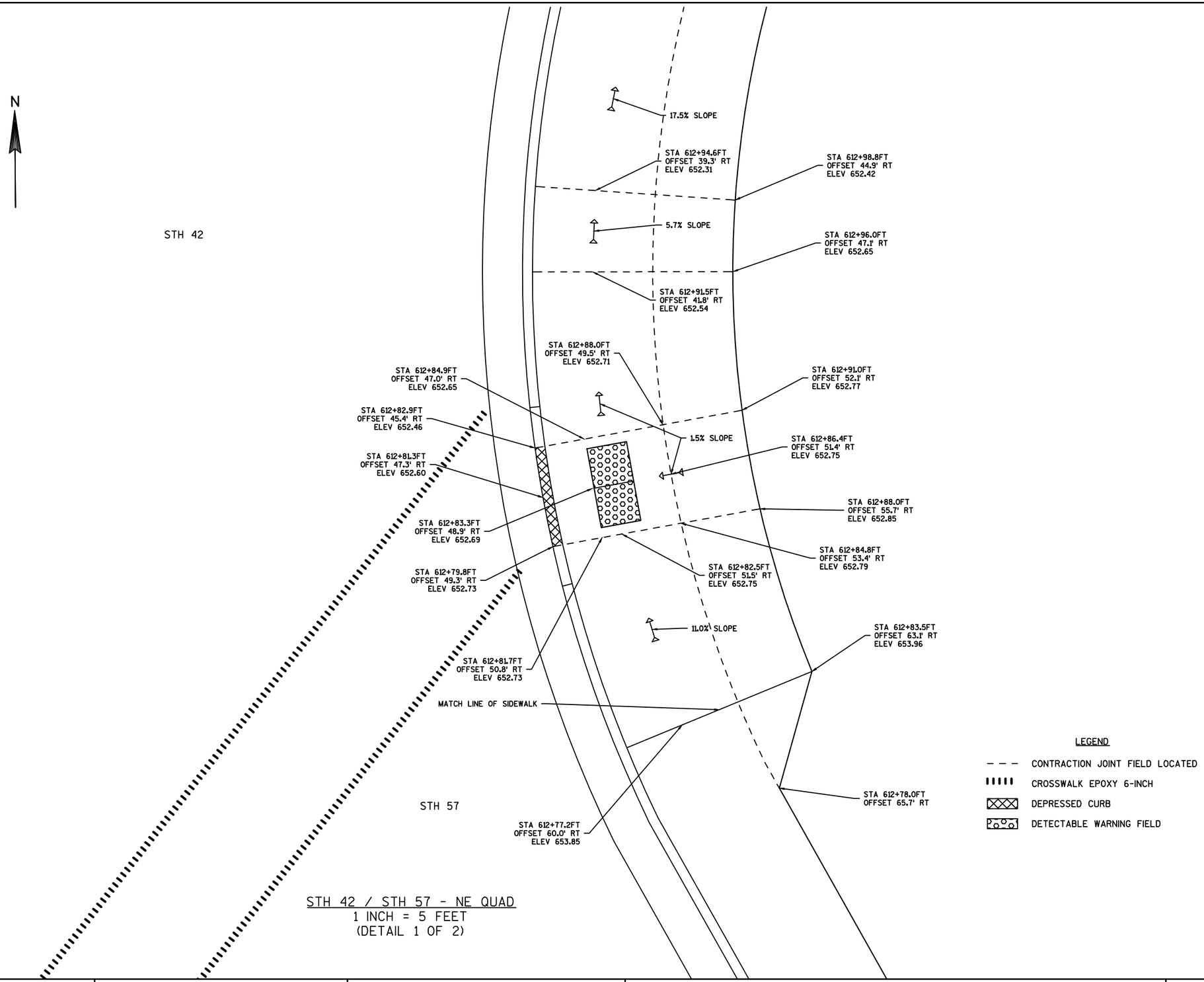
2



STH 42 / BLUFFSIDE LANE - SW QUAD
1 INCH = 5 FEET

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 43	E

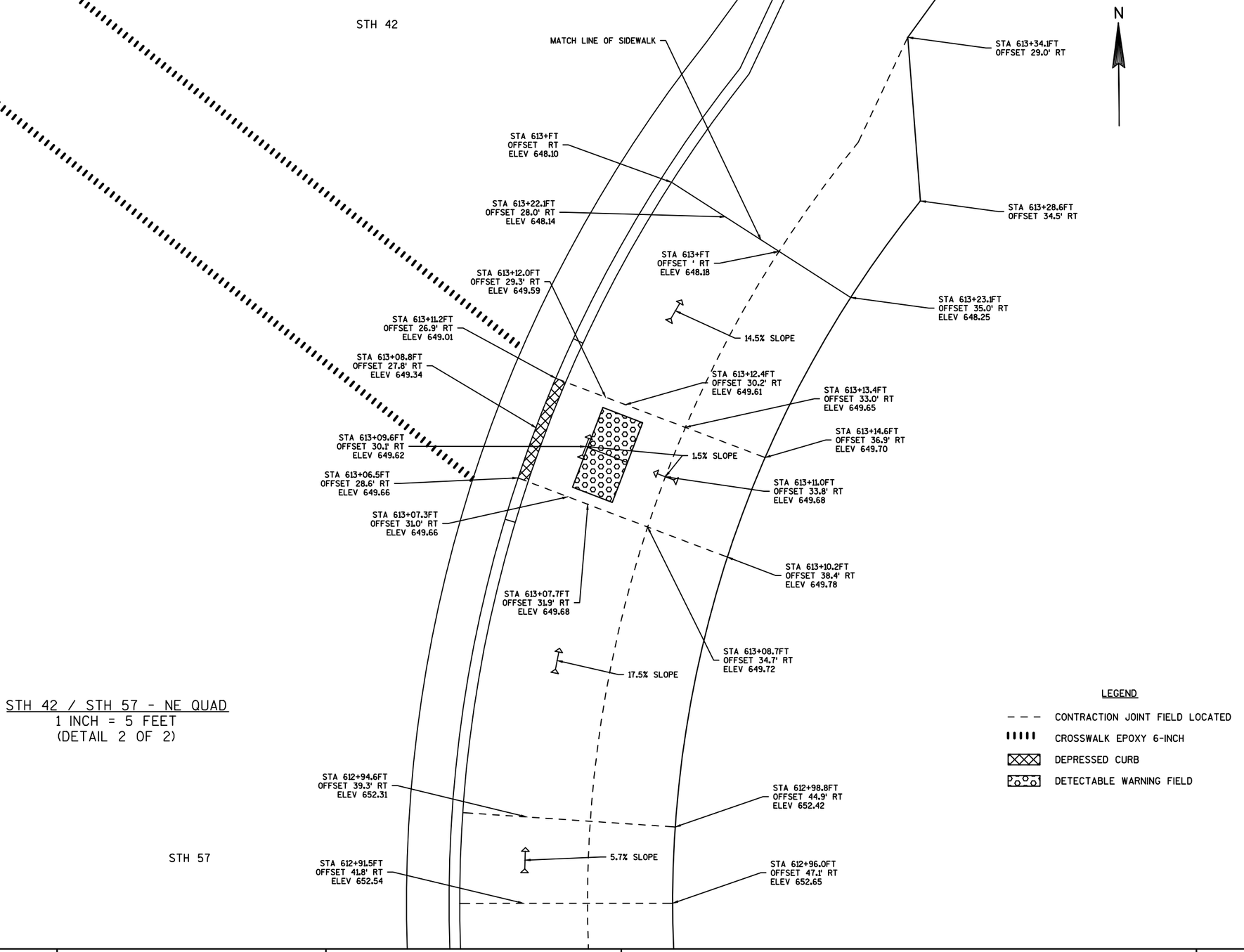
2



STH 42 / STH 57 - NE QUAD
1 INCH = 5 FEET
(DETAIL 1 OF 2)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 44	E

2



STH 42 / STH 57 - NE QUAD
1 INCH = 5 FEET
(DETAIL 2 OF 2)

LEGEND

- CONTRACTION JOINT FIELD LOCATED
- CROSSWALK EPOXY 6-INCH
- DEPRESSED CURB
- DETECTABLE WARNING FIELD

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 45	E

2

2

N

STA 613+21.0FT
OFFSET 32.5' LT
ELEV 648.17

STA 613+21.0FT
OFFSET 29.5' LT
ELEV 648.13

MATCH LINE OF SIDEWALK

STA 613+21.0FT
OFFSET 26.5' LT
ELEV 648.09

1.5% SLOPE

STA 613+06.4FT
OFFSET 30.3' LT
ELEV 650.97

18.9% SLOPE

STA 613+04.0FT
OFFSET 31.3' LT
ELEV 651.00

STA 613+01.9FT
OFFSET 32.5' LT
ELEV 651.04

1.5% SLOPE

STA 613+04.6FT
OFFSET 26.7' LT
ELEV 650.91

STA 613+02.3FT
OFFSET 27.7' LT
ELEV 650.94

STA 613+00.1FT
OFFSET 28.9' LT
ELEV 650.98

STA 612+92.9FT
OFFSET 32.9' LT
ELEV 652.49

STA 613+03.5FT
OFFSET 24.5' LT
ELEV 650.22

STA 613+01.2FT
OFFSET 25.4' LT
ELEV 650.58

STH 42

BLUFFSIDE LANE

STA 612+99.0FT
OFFSET 26.6' LT
ELEV 650.98

LEGEND

- - - CONTRACTION JOINT FIELD LOCATED

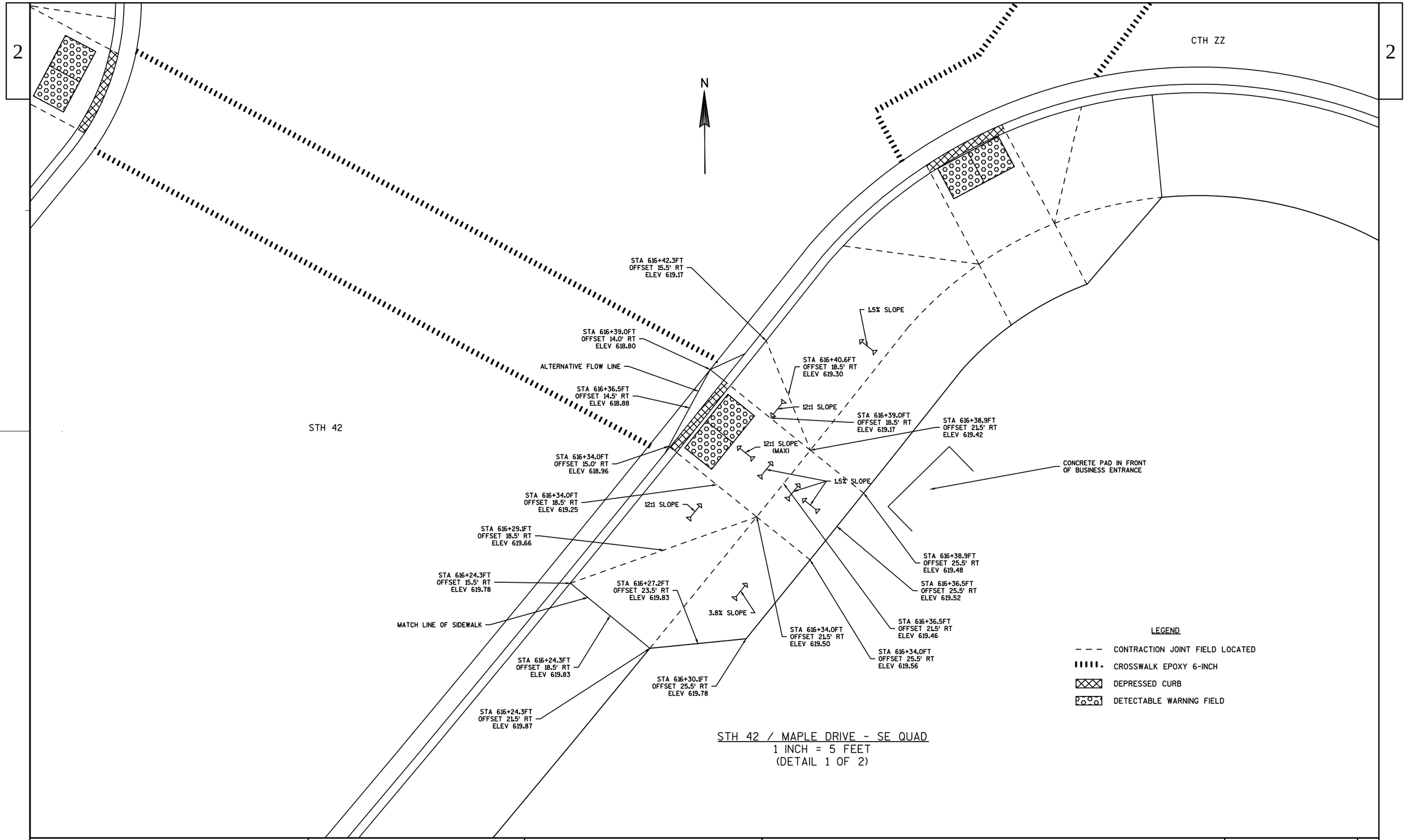
CROSSWALK EPOXY 6-INCH

DEPRESSED CURB

DETECTABLE WARNING FIELD

STH 42 / BLUFFSIDE LANE - NW QUAD
1 INCH = 5 FEET

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 46	E



STH 42 / MAPLE DRIVE - SE QUAD
1 INCH = 5 FEET
(DETAIL 1 OF 2)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 47	E

2

2

N

CTH ZZ

STH 42

STA 616+60.5FT
OFFSET 18.5' RT
ELEV 618.31

STA 616+59.0FT
OFFSET 21.7' RT
ELEV 618.60

STA 616+64.1FT
OFFSET 21.6' RT
ELEV 618.74

STA 616+67.1FT
OFFSET 24.4' RT
ELEV 618.70

STA 616+58.2FT
OFFSET 17.4' RT
ELEV 618.35

STA 616+55.9FT
OFFSET 16.5' RT
ELEV 618.39

MATCH LINE OF SIDEWALK

12:1 SLOPE

STA 616+64.9FT
OFFSET 26.4' RT
ELEV 618.74

STA 616+61.0FT
OFFSET 22.9' RT
ELEV 618.80

STA 616+62.8FT
OFFSET 28.5' RT
ELEV 618.78

STA 616+54.5FT
OFFSET 19.7' RT
ELEV 618.68

12:1 SLOPE

12:1 SLOPE
(MAX)

STA 616+57.8FT
OFFSET 24.4' RT
ELEV 618.85

STA 616+49.3FT
OFFSET 15.6' RT
ELEV 618.98

STA 616+59.5FT
OFFSET 28.3' RT
ELEV 618.87

STA 616+51.2FT
OFFSET 18.9' RT
ELEV 618.97

STA 616+53.3FT
OFFSET 22.4' RT
ELEV 618.93

STA 616+56.2FT
OFFSET 28.1' RT
ELEV 618.91

1.5% SLOPE

STA 616+55.6FT
OFFSET 23.3' RT
ELEV 618.89

1.5% SLOPE

STA 616+51.8FT
OFFSET 26.1' RT
ELEV 618.99

STA 616+54.0FT
OFFSET 27.0' RT
ELEV 618.95

LEGEND

- - - CONTRACTION JOINT FIELD LOCATED

CROSSWALK EPOXY 6-INCH

DEPRESSED CURB

DETECTABLE WARNING FIELD

STH 42 / MAPLE DRIVE - SE QUAD
1 INCH = 5 FEET
(DETAIL 2 OF 2)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 48	E

2

MAPLE DRIVE

N

MATCH LINE OF SIDEWALK

STA 616+29.9FT
OFFSET 32.9' LT
ELEV 619.18

STA 616+30.4FT
OFFSET 30.4' LT
ELEV 619.22

STA 616+29.4FT
OFFSET 35.4' LT
ELEV 619.14

STA 616+34.8FT
OFFSET 27.3' LT
ELEV 619.05

STA 616+26.8FT
OFFSET 35.3' LT
ELEV 619.18

STA 616+31.8FT
OFFSET 28.7' LT
ELEV 619.23

STA 616+33.1FT
OFFSET 25.9' LT
ELEV 619.12

STA 616+27.3FT
OFFSET 32.8' LT
ELEV 619.22

STA 616+30.9
OFFSET 28.1' LT
ELEV 619.14

SEE CONSTRUCTION DETAIL
FOR CONCRETE STEPS

STA 616+24.2FT
OFFSET 35.2' LT
ELEV 619.22

1.5% SLOPE

1.5% SLOPE

STA 616+31.4FT
OFFSET 25.6' LT
ELEV 619.06

STA 616+31.6FT
OFFSET 24.5' LT
ELEV 618.91

STA 616+24.7FT
OFFSET 32.7' LT
ELEV 619.26

STA 616+28.9FT
OFFSET 25.1' LT
ELEV 619.09

STA 616+32.0FT
OFFSET 22.5' LT
ELEV 618.91

STA 616+20.6FT
OFFSET 32.4' LT
ELEV 619.60

12:1 SLOPE
(MAX)

0.0% SLOPE

STA 616+29.6FT
OFFSET 21.6' LT
ELEV 619.00

STA 616+25.2FT
OFFSET 30.3' LT
ELEV 619.30

STA 616+29.2FT
OFFSET 23.6' LT
ELEV 619.00

STA 616+17.0FT
OFFSET 29.5' LT
ELEV 619.98

STA 616+27.1FT
OFFSET 21.1' LT
ELEV 619.13

STA 616+26.4FT
OFFSET 24.6' LT
ELEV 619.13

STA 616+27.8FT
OFFSET 30.3' LT
ELEV 619.26

STA 616+11.3FT
OFFSET 29.5' LT
ELEV 620.47

MATCH LINE OF SIDEWALK

LEGEND

- – – CONTRACTION JOINT FIELD LOCATED
- ▮▮▮▮▮ CROSSWALK EPOXY 6-INCH
- ⊠ DEPRESSED CURB
- DETECTABLE WARNING FIELD

STA 616+11.3FT
OFFSET 26.5' LT
ELEV 620.43

STA 616+11.3FT
OFFSET 23.5' LT
ELEV 620.38

STH 42 / MAPLE DRIVE - SW QUAD
1 INCH = 5 FEET
(DETAIL 1 OF 3)

STH 42

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 49	E

2

N

MAPLE DRIVE

STA 616+41.5FT
OFFSET 35.6' LT
ELEV 618.51

STA 616+39.5FT
OFFSET 35.6' LT
ELEV 618.58

STA 616+38.8FT
OFFSET 40.0' LT
ELEV 619.03

STA 616+40.8FT
OFFSET 33.1' LT
ELEV 618.54

STA 616+37.9FT
OFFSET 35.6' LT
ELEV 618.59

1.5% SLOPE

STA 616+39.0FT
OFFSET 33.1' LT
ELEV 618.61

STA 616+37.9FT
OFFSET 33.1' LT
ELEV 618.62

STA 616+39.7FT
OFFSET 30.6' LT
ELEV 618.59

STA 616+38.0FT
OFFSET 30.6' LT
ELEV 618.66

MATCH LINE OF SIDEWALK

STA 616+31.9FT
OFFSET 40.2' LT
ELEV 619.37

STA 616+32.8FT
OFFSET 35.5' LT
ELEV 618.87

10:1 SLOPE

STA 616+28.6FT
OFFSET 43.9' LT
ELEV 619.61

STA 616+30.7FT
OFFSET 37.9' LT
ELEV 619.26

12:1 SLOPE
(MAX)

STA 616+26.4FT
OFFSET 39.6' LT
ELEV 619.42

STA 616+30.6FT
OFFSET 41.8' LT
ELEV 619.25

STA 616+29.4FT
OFFSET 35.4' LT
ELEV 619.14

STA 616+34.8FT
OFFSET 27.3' LT
ELEV 619.05

STA 616+26.8FT
OFFSET 35.3' LT
ELEV 619.18

STA 616+31.8FT
OFFSET 28.7' LT
ELEV 619.23

STA 616+24.2FT
OFFSET 35.2' LT
ELEV 619.22

1.5% SLOPE

STA 616+27.3FT
OFFSET 32.8' LT
ELEV 619.22

STA 616+33.1FT
OFFSET 25.9' LT
ELEV 619.12

STA 616+30.4FT
OFFSET 30.4' LT
ELEV 619.22

STA 616+24.7FT
OFFSET 32.7' LT
ELEV 619.26

STA 616+29.9FT
OFFSET 32.9' LT
ELEV 619.18

STA 616+25.2FT
OFFSET 30.3' LT
ELEV 619.30

STA 616+27.8FT
OFFSET 30.3' LT
ELEV 619.26

MATCH LINE OF SIDEWALK

STH 42

SEE CONSTRUCTION DETAIL
FOR CONCRETE STEPS

LEGEND

- CONTRACTION JOINT FIELD LOCATED
- CROSSWALK EPOXY 6-INCH
- DEPRESSED CURB
- DETECTABLE WARNING FIELD

STH 42 / MAPLE DRIVE - SW QUAD
1 INCH = 5 FEET
(DETAIL 2 OF 3)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 50	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSOTHER\021101_CD\021101_CD.DWG PLOT DATE : 3/4/2015 7:37 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : ---------- PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

2

MAPLE DRIVE

N

MATCH LINE OF SIDEWALK

STA 616+24.0FT
OFFSET 38.9' LT
ELEV 619.30

STA 616+24.0FT
OFFSET 37.1' LT
ELEV 619.30

STA 616+22.9FT
OFFSET 39.5' LT
ELEV 619.87

STA 616+24.1FT
OFFSET 35.3' LT
ELEV 619.30

STA 616+23.0FT
OFFSET 37.4' LT
ELEV 619.87

STA 616+23.1FT
OFFSET 35.3' LT
ELEV 619.87

SEE CONSTRUCTION DETAIL
FOR CONCRETE STEPS

WARP AREA

STA 616+14.6FT
OFFSET 34.8' LT
ELEV 621.70

STA 616+14.6FT
OFFSET 33.9' LT
ELEV 621.22

STA 616+14.6FT
OFFSET 32.9' LT
ELEV 620.74

UPPER LANDING
ELEV 622.18

13.9%
SLOPE

STA 616+14.6FT
OFFSET 29.5' LT
ELEV 620.26

STA 616+09.6FT
OFFSET 34.6' LT
ELEV 621.70

STA 616+09.6FT
OFFSET 33.7' LT
ELEV 621.22

STA 616+09.6FT
OFFSET 32.8' LT
ELEV 620.74

6.7%
SLOPE

STA 616+09.6FT
OFFSET 29.5' LT
ELEV 620.52

STA 616+04.5FT
OFFSET 34.6' LT
ELEV 621.70

0.3%
SLOPE

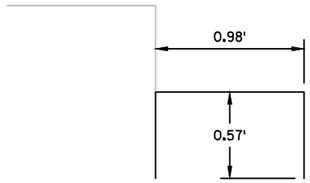
STA 616+04.5FT
OFFSET 33.6' LT
ELEV 621.22

WARP AREA

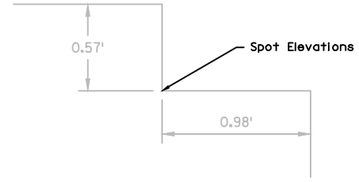
STA 616+04.5FT
OFFSET 29.5' LT
ELEV 620.73

STA 616+04.5FT
OFFSET 32.6' LT
ELEV 620.74

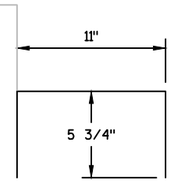
STH 42



NORTH STEPS
ADDITION



EXISTING STEPS



EAST STEPS
ADDITION

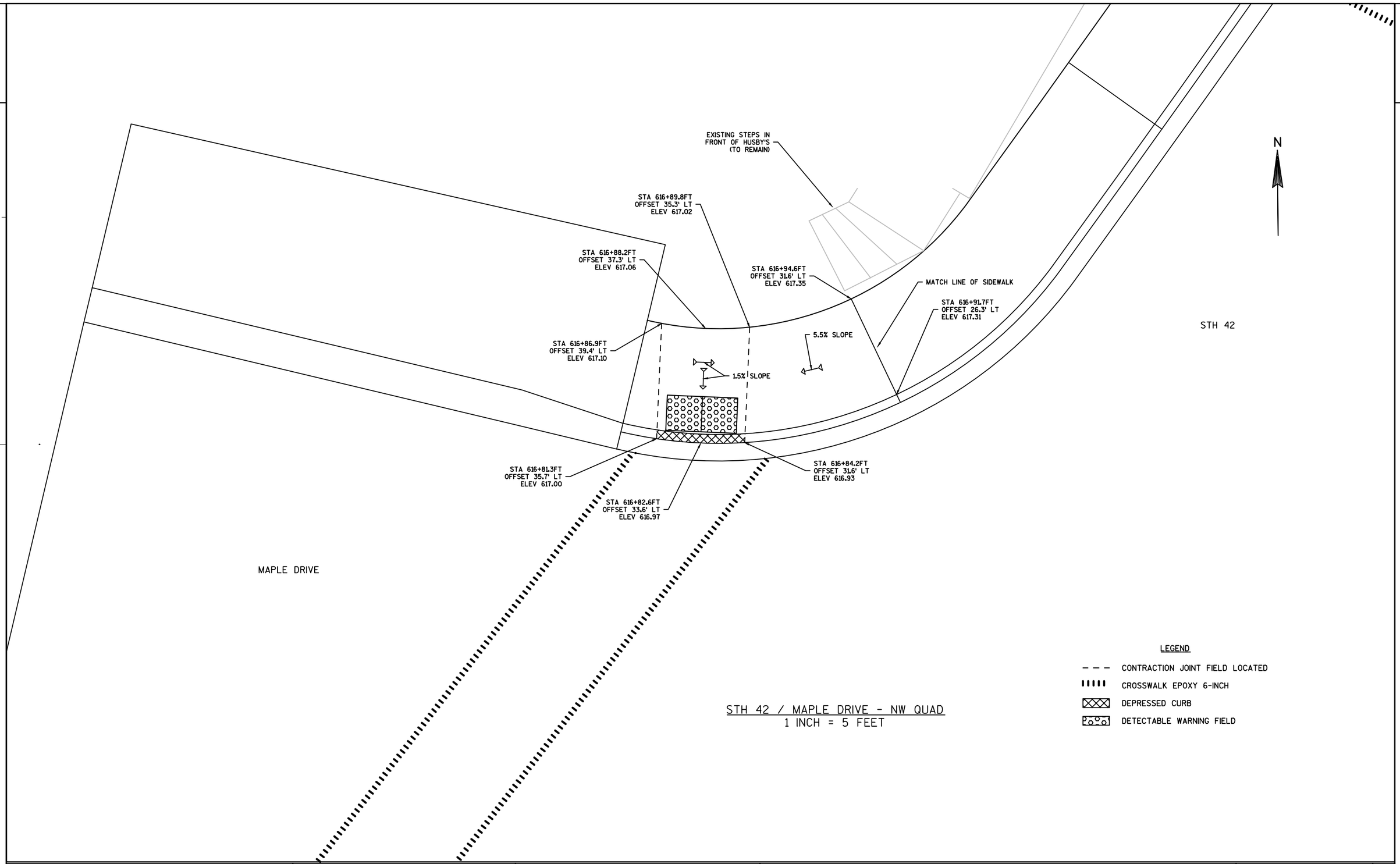
LEGEND

- CONTRACTION JOINT FIELD LOCATED
- CROSSWALK EPOXY 6-INCH
- DEPRESSED CURB
- DETECTABLE WARNING FIELD

STH 42 / MAPLE DRIVE - SW QUAD
1 INCH = 5 FEET
(DETAIL 3 OF 3)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 51	E

2



STH 42 / MAPLE DRIVE - NW QUAD
1 INCH = 5 FEET

LEGEND

- – – CONTRACTION JOINT FIELD LOCATED
- CROSSWALK EPOXY 6-INCH
- DEPRESSED CURB
- DETECTABLE WARNING FIELD

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 52	E

2

N

STH 42

STA 617+37.1FT
OFFSET 18.8' RT
ELEV 616.00

STA 617+32.7FT
OFFSET 16.6' RT
ELEV 615.84

MATCH LINE OF SIDEWALK

STA 617+36.1FT
OFFSET 22.1' RT
ELEV 616.05

STA 617+33.9FT
OFFSET 23.3' RT
ELEV 616.08

1.5% SLOPE

STA 617+30.5FT
OFFSET 17.7' RT
ELEV 615.88

STA 617+31.8FT
OFFSET 24.7' RT
ELEV 616.02

STA 617+29.0FT
OFFSET 20.0' RT
ELEV 615.92

STA 617+30.3FT
OFFSET 22.2' RT
ELEV 615.97

9.9% SLOPE

EXISTING ASPHALT DRIVEWAY

CTH ZZ

MATCH LINE OF SIDEWALK

STA 617+27.8FT
OFFSET 41.8' RT
ELEV 618.22

STA 617+24.9FT
OFFSET 41.7' RT
ELEV 618.18

STA 617+22.0FT
OFFSET 41.7' RT
ELEV 618.14

LEGEND

- - - CONTRACTION JOINT FIELD LOCATED

CROSSWALK EPOXY 6-INCH

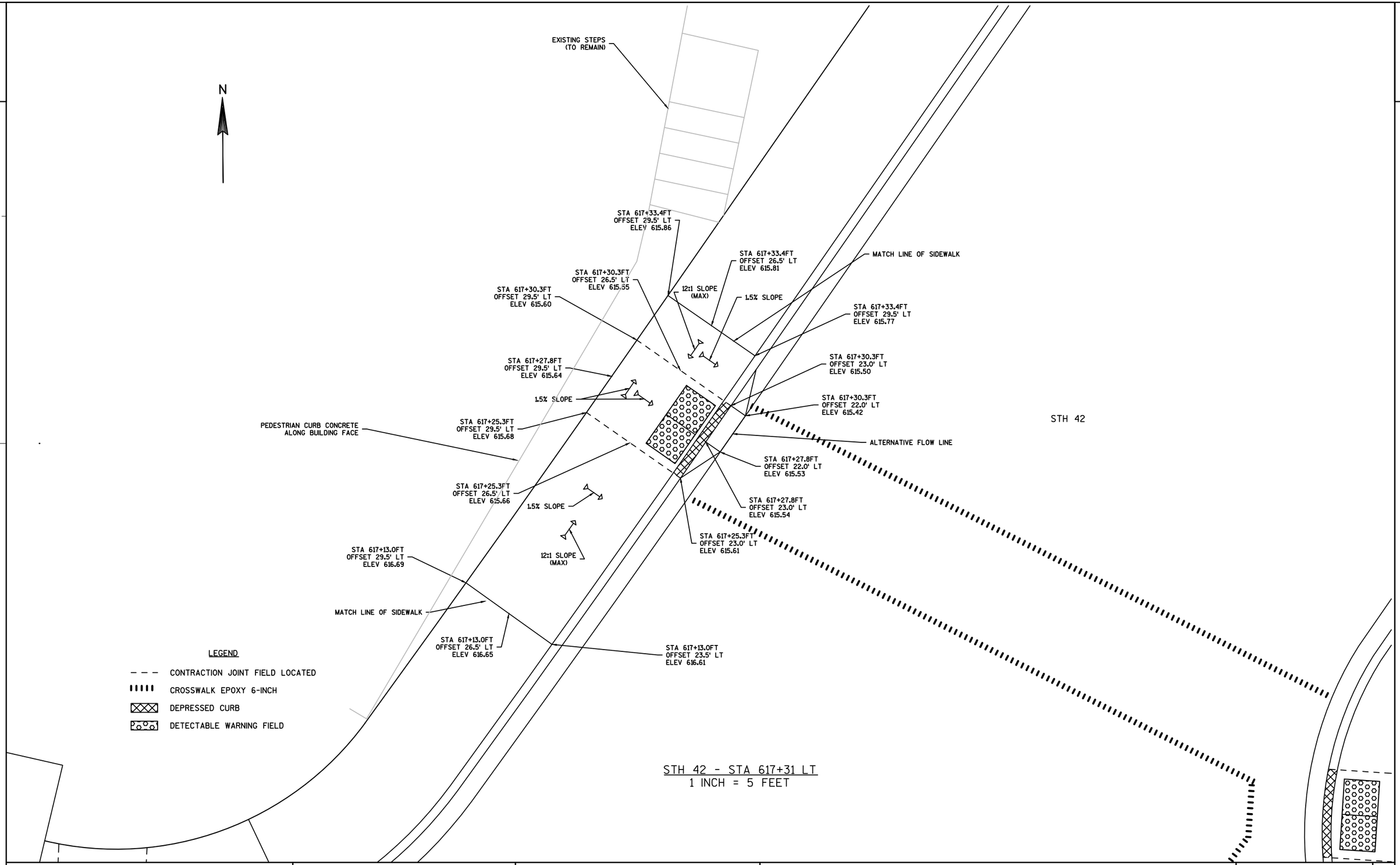
DEPRESSED CURB

DETECTABLE WARNING FIELD

STH 42 / MAPLE DRIVE - NE QUAD
1 INCH = 5 FEET

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 53	E

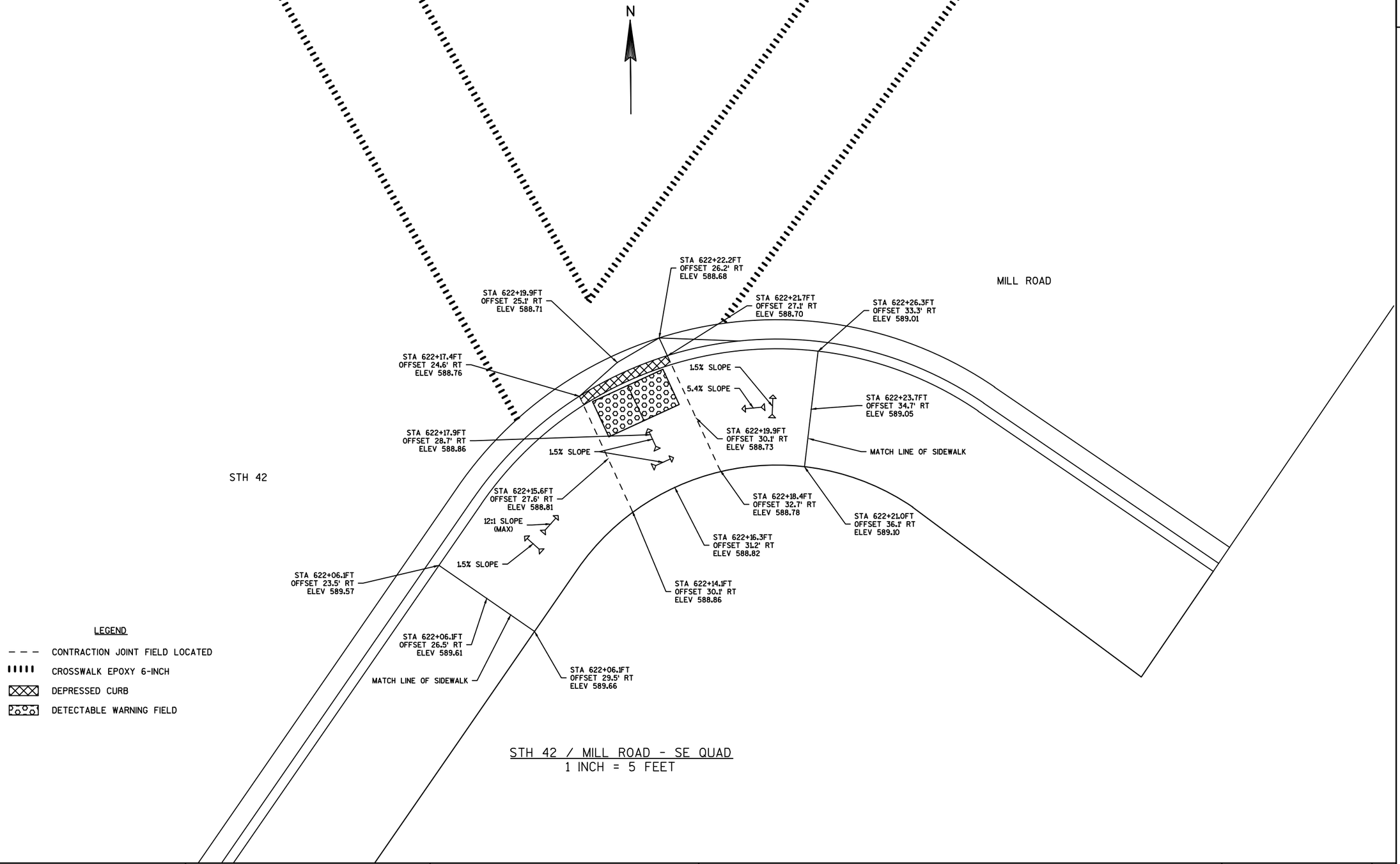
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 54	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSOTHER\021101_CD\021101_CD.DWG PLOT DATE : 3/4/2015 7:37 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : ---------- PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

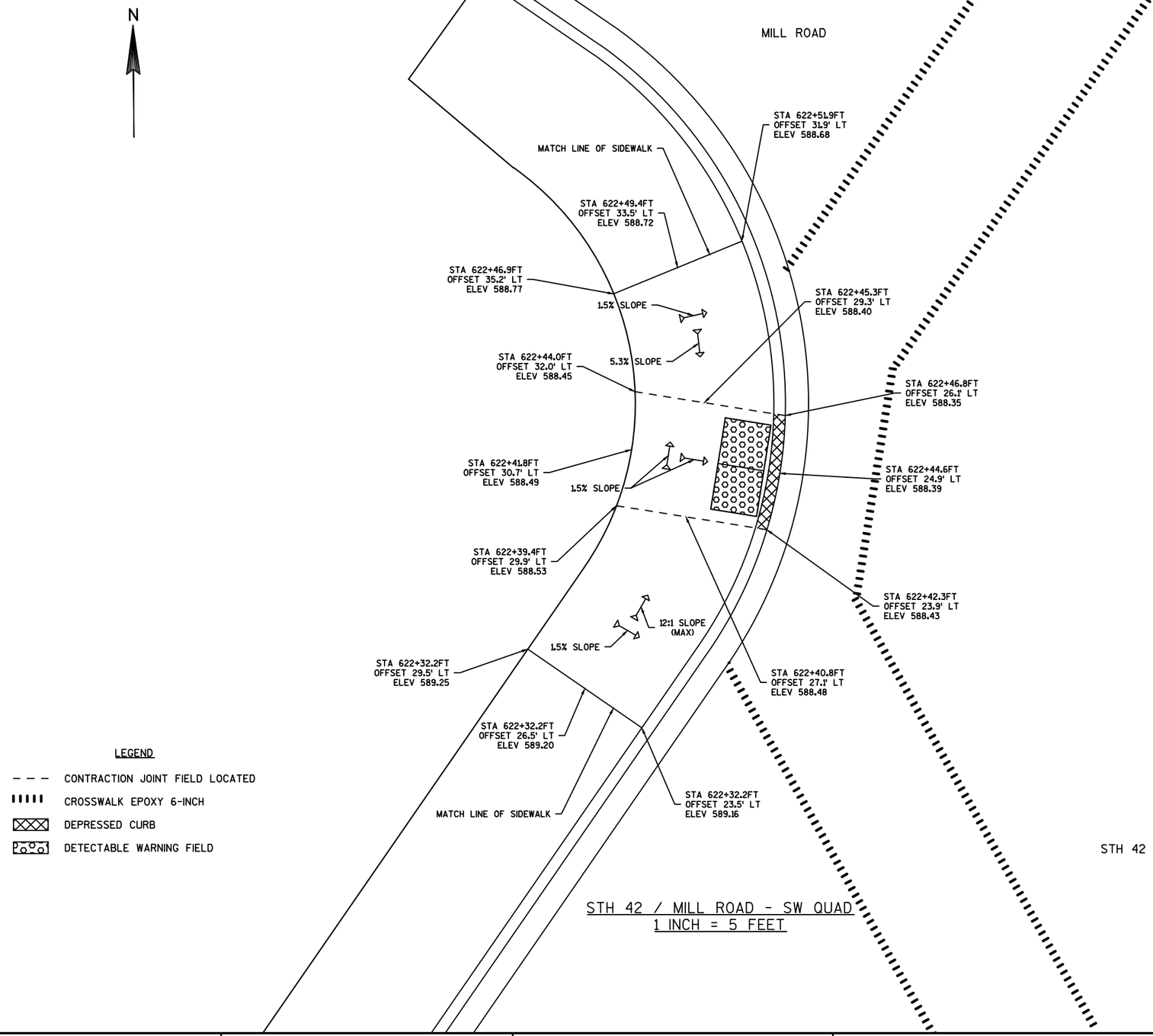
2



STH 42 / MILL ROAD - SE QUAD
1 INCH = 5 FEET

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 55	E

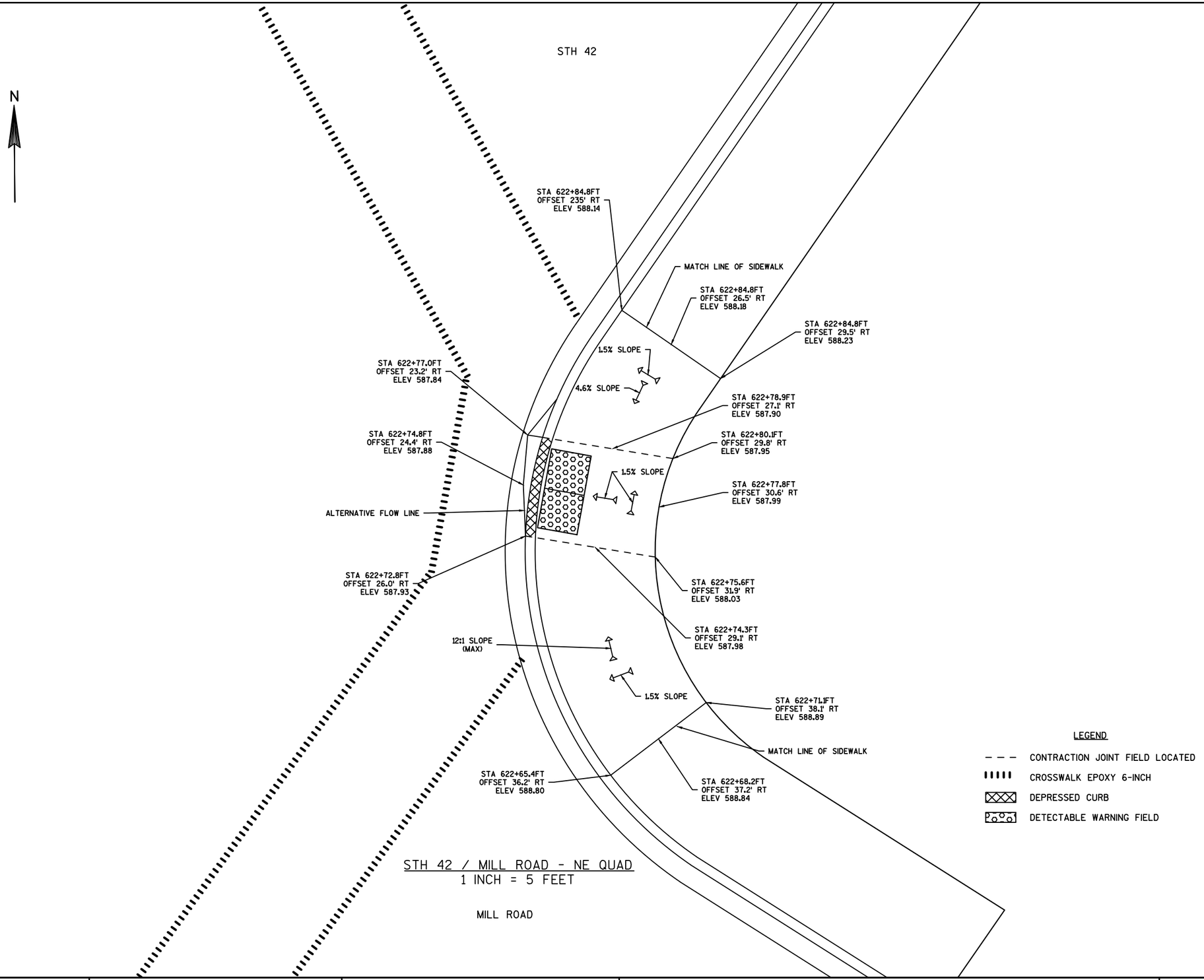
2



STH 42 / MILL ROAD - SW QUAD
1 INCH = 5 FEET

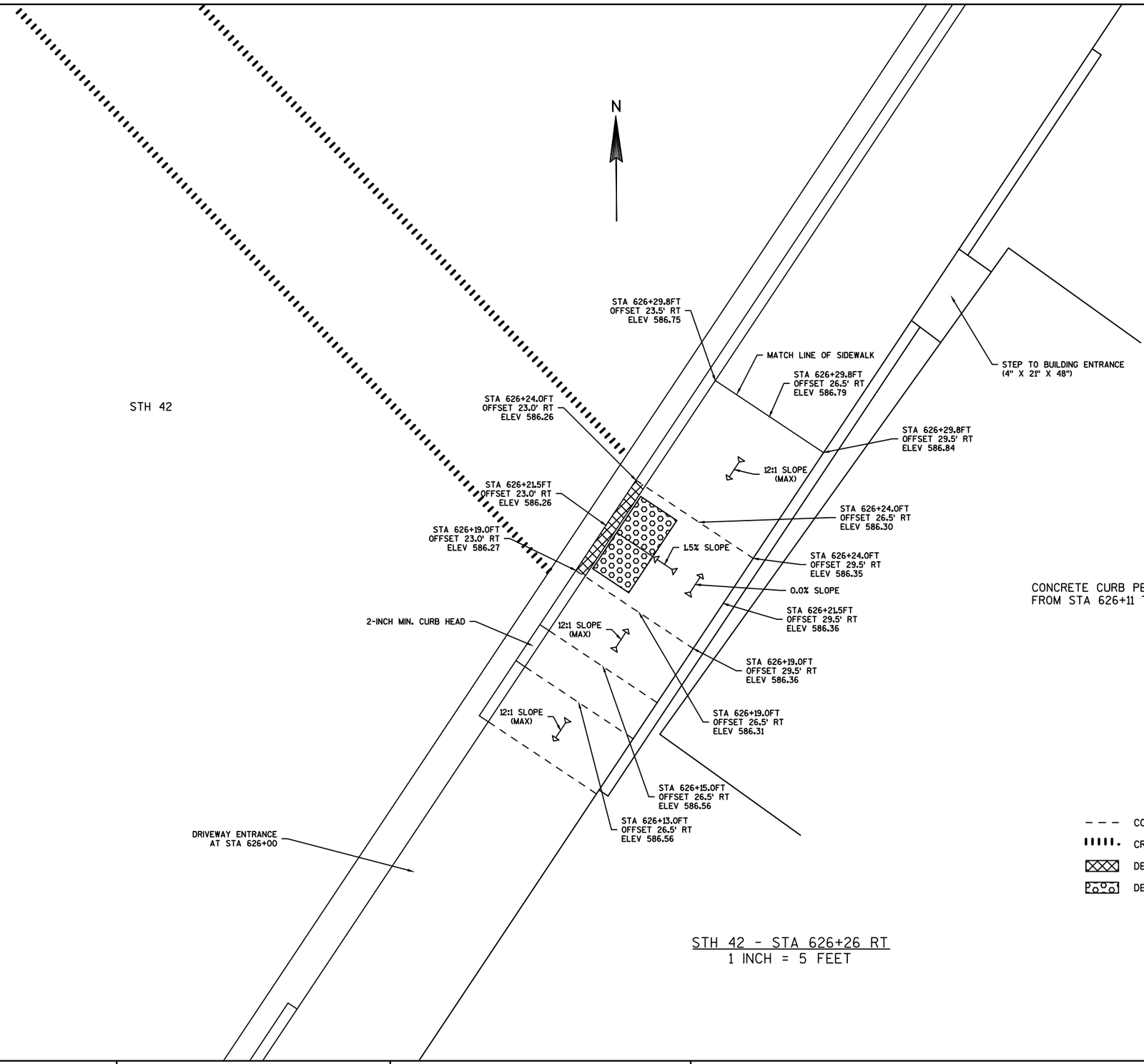
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 56	E

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 57	E

2



CONCRETE CURB PEDESTRIAN BEHIND SIDEWALK
FROM STA 626+11 TO STA 626+52

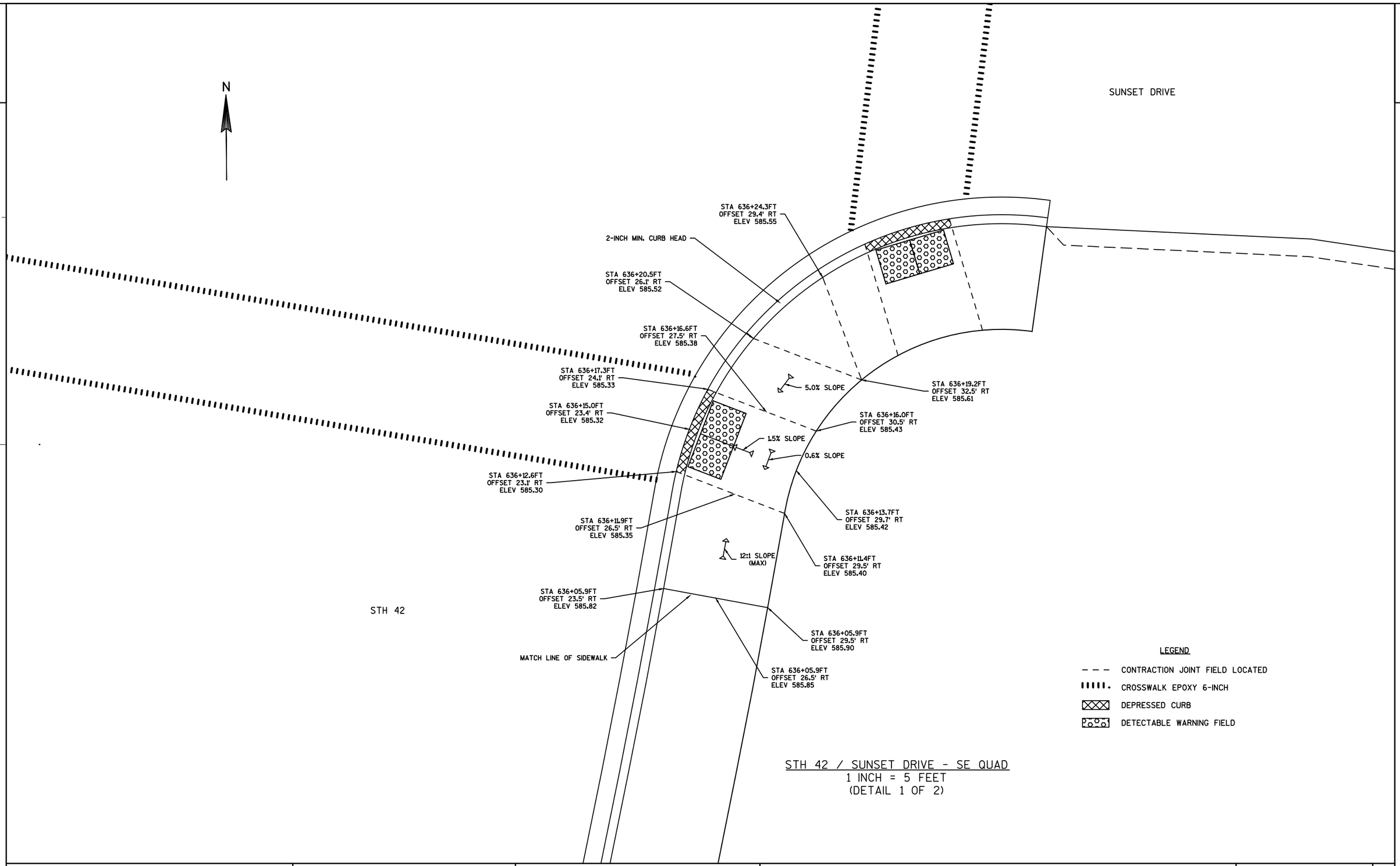
LEGEND

- – – CONTRACTION JOINT FIELD LOCATED
- CROSSWALK EPOXY 6-INCH
- DEPRESSED CURB
- DETECTABLE WARNING FIELD

STH 42 - STA 626+26 RT
1 INCH = 5 FEET

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 58	E

2



STH 42 / SUNSET DRIVE - SE QUAD
1 INCH = 5 FEET
(DETAIL 1 OF 2)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 59	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSOTHER\021101_CD\021101_CD.DWG PLOT DATE : 3/4/2015 7:44 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : ---------- PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

N

SUNSET DRIVE

STA 636+26.5FT
OFFSET 31.5' RT
ELEV 585.40

STA 636+27.6FT
OFFSET 33.7' RT
ELEV 585.42

STA 636+28.5FT
OFFSET 36.1' RT
ELEV 585.44

STA 636+28.8FT
OFFSET 41.6' RT
ELEV 585.89

STA 636+24.3FT
OFFSET 29.4' RT
ELEV 585.55

12:1 SLOPE
(MAX)

2-INCH MIN. CURB HEAD

1.5% SLOPE

STA 636+23.2FT
OFFSET 41.7' RT
ELEV 585.77

STA 636+20.5FT
OFFSET 26.1' RT
ELEV 585.52

5.0% SLOPE

STA 636+22.9FT
OFFSET 38.9' RT
ELEV 585.54

0.8% SLOPE

STA 636+19.2FT
OFFSET 32.5' RT
ELEV 585.62

STA 636+22.0FT
OFFSET 36.5' RT
ELEV 585.52

STA 636+20.8FT
OFFSET 34.4' RT
ELEV 585.50

STH 42

LEGEND

- - - CONTRACTION JOINT FIELD LOCATED

CROSSWALK EPOXY 6-INCH

DEPRESSED CURB

DETECTABLE WARNING FIELD

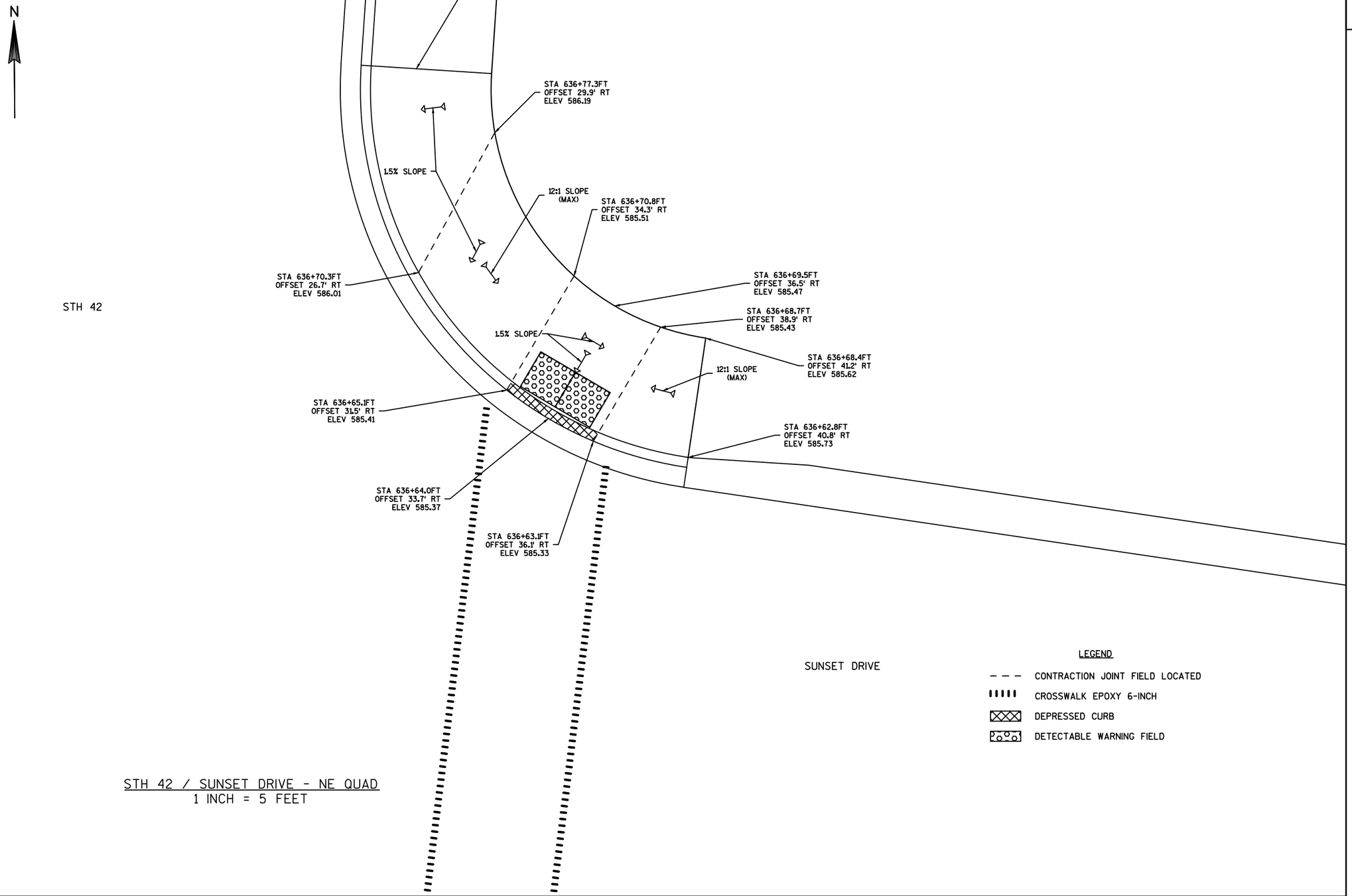
STH 42 / SUNSET DRIVE - SE QUAD
1 INCH = 5 FEET
(DETAIL 2 OF 2)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 60	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSOTHER\021101_CD\021101_CD.DWG PLOT DATE : 3/4/2015 7:44 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : ---------- PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2



STH 42 / SUNSET DRIVE - NE QUAD
1 INCH = 5 FEET

PROJECT NO:4610-06-71	HWY:STH 42	COUNTY:DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 61	E

SCANDIA ROAD

N

STA 639+97.4FT
OFFSET 29.4' RT
ELEV 587.86

STA 639+93.9FT
OFFSET 26.5' RT
ELEV 587.81

STA 639+92.4FT
OFFSET 26.5' RT
ELEV 587.79

STA 639+89.4FT
OFFSET 26.5' RT
ELEV 587.49

STA 639+89.4FT
OFFSET 23.0' RT
ELEV 587.20

STA 639+89.4FT
OFFSET 21.0' RT
ELEV 587.20

10:1 SLOPE

STA 639+89.4FT
OFFSET 28.5' RT
ELEV 587.66

STA 639+89.4FT
OFFSET 32.5' RT
ELEV 587.72

STA 639+89.4FT
OFFSET 35.0' RT
ELEV 587.76

STA 639+86.9FT
OFFSET 23.0' RT
ELEV 587.18

12:1 SLOPE
(MAX)

1.5% SLOPE

STA 639+86.9FT
OFFSET 32.5' RT
ELEV 587.70

STA 639+86.9FT
OFFSET 21.0' RT
ELEV 587.18

0.6% SLOPE

STA 639+86.9FT
OFFSET 26.5' RT
ELEV 587.47

STA 639+86.9FT
OFFSET 35.0' RT
ELEV 587.74

STA 639+84.3FT
OFFSET 21.0' RT
ELEV 587.17

STA 639+86.9FT
OFFSET 28.5' RT
ELEV 587.64

STA 639+84.2FT
OFFSET 35.0' RT
ELEV 587.73

STA 639+84.2FT
OFFSET 23.0' RT
ELEV 587.17

10:1 SLOPE

STA 639+84.2FT
OFFSET 26.5' RT
ELEV 587.46

STA 639+84.2FT
OFFSET 32.5' RT
ELEV 587.69

STA 639+82.4FT
OFFSET 26.5' RT
ELEV 587.65

STA 639+84.2FT
OFFSET 28.5' RT
ELEV 587.63

STA 639+80.4FT
OFFSET 23.5' RT
ELEV 587.59

STH 42

MATCH LINE OF SIDEWALK

STA 639+78.4FT
OFFSET 29.5' RT
ELEV 587.70

LEGEND

- – – CONTRACTION JOINT FIELD LOCATED
- CROSSWALK EPOXY 6-INCH
- DEPRESSED CURB
- DETECTABLE WARNING FIELD

STH 42 / SCANDIA ROAD - SE QUAD
1 INCH = 5 FEET

PROJECT NO:4610-06-71	HWY:STH 42	COUNTY:DOOR	CONSTRUCTION DETAILS (CURB RAMPS)	SHEET 62	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSOTHER\021101_CD\021101_CD.DWG PLOT DATE : 3/4/2015 7:44 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : ---------- PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
SBA	602+52.96 FT	42.00 LT	20+30.83 SB	31.00 RT	286492.18	558351.95	20'
SBB	602+52.96 FT	22.00 LT	20+50.83 SB	31.00 RT	286472.18	558351.77	
SBC	602+72.96 FT	42.00 LT	20+30.83 SB	11.00 RT	286492.00	558371.95	
SBD	603+14.96 FT	42.00 LT	20+30.83 SB	31.00 LT	286491.62	558413.95	20'
SBE	602+94.96 FT	42.00 LT	20+30.83 SB	11.00 LT	286491.80	558393.95	
SBF	603+14.96 FT	22.00 LT	20+50.83 SB	31.00 LT	286471.62	558413.77	

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
CWA	601+87.63 FT	62.00 RT	10+61.53 CW	52.00 RT	286388.77	558285.68	40'
CWB	602+27.62 FT	61.64 RT	10+61.53 CW	12.00 RT	286388.77	558325.68	
CWC	601+87.63 FT	22.00 RT	10+21.54 CW	51.64 RT	286428.77	558286.04	
CWD	603+02.63 FT	62.00 RT	10+62.57 CW	63.00 LT	286387.74	558400.68	40'
CWE	603+02.63 FT	22.00 RT	10+22.57 CW	63.36 LT	286427.73	558401.04	
CWF	602+62.63 FT	62.36 RT	10+62.57 CW	23.00 LT	286387.74	558360.68	

LEGEND
- CONCRETE PAVEMENT GAP
- COLORED CONCRETE RED
- DRIVEWAY - REPLACE IN KIND

N

CONSTRUCTION LIMITS 20+21SB
SISTER BLUFF DR
SBC
ASPHALTIC FLUME
SBA
SBB
CONCRETE CURB & GUTTER 18-INCH TYPE A
201' TAPER
STA 601+37.91FT 22.0' LT
R20'
PAVEMENT DIVIDE STA 20+31SB
CONCRETE SIDEWALK 4-INCH
SBE
SBD
SBF
STA 604+14.96FT 22.0' LT
CONCRETE CURB & GUTTER 18-INCH TYPE A
605+14.96FT CURB SPLIT
100' TAPER
STA 605+14.96FT 14.0' LT
PAVEMENT DIVIDE STA 600+21FT
601+00FT
602+00FT
603+00FT
604+00FT
605+00FT
STH 42
STA 603+02.63FT 22.0' RT
CONCRETE CURB & GUTTER 18-INCH TYPE A
STA 604+02.63FT 14.0' RT
BEGIN PROJECT 600+00FT
CONCRETE CURB & GUTTER 18-INCH TYPE D
600+21.00ET CURB SPLIT
CONCRETE CURB & GUTTER 18-INCH TYPE A
CWC
CWA
CWB
R40'
12'
23'
CWE
CWD
R40'
100' TAPER
604+02.63ET CURB SPLIT
CONCRETE CURB & GUTTER INTEGRAL 18-INCH
CWF
COUNTRY WALK DR
11+00CW
PAVEMENT DIVIDE STA 10+63CW
CONSTRUCTION LIMITS 10+73CW

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET 63	E

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
GWA	608+48.80 FT	76.00 RT	30+60.28 GW	75.00 RT	286421.66	558975.68	60'
GWB	608+48.80 FT	16.00 RT	30+10.84 GW	63.34 RT	286474.85	558947.92	
GWC	608+98.17 FT	62.40 RT	30+60.28 GW	15.00 RT	286463.65	559018.54	
GWD	609+58.44 FT	56.00 RT	30+59.26 GW	54.99 LT	286513.09	559068.09	40'
GWE	609+23.80 FT	58.56 RT	30+60.28 GW	15.00 LT	286484.64	559039.97	
GWF	609+58.59 FT	16.00 RT	30+12.70 GW	50.71 LT	286541.82	559040.25	

STA 604+14.96FT
22.0' LT

CONCRETE CURB & GUTTER
18-INCH TYPE A

100' TAPER

605+14.96FT
CURB SPLIT

STA 605+14.96FT
14.0' LT

22'

604+00FT

605+00FT

14'

STH 42

606+00FT

607+00FT

608+00FT

14'

14'

STA 604+02.63FT
14.0' RT

CONCRETE CURB & GUTTER
INTEGRAL 18-INCH

CONCRETE CURB & GUTTER
INTEGRAL 18-INCH

STA 607+73.80FT
14.0' RT

3'

10'

CONCRETE SIDEWALK
4-INCH

CONCRETE CURB & GUTTER
18-INCH TYPE A

607+73.80FT
CURB SPLIT

GWB

75' TAPER

GWA

R60'

STA 608+51.80FT
14.0' LT

608+51.88FT
CURB SPLIT

STA 608+48.80FT
16.0' RT

16'

31+60.28GW
CURB SPLIT

GWC

PAVEMENT DIVIDE
STA 30+61GW

STA 30+68.28GW
16.5' LT

STA 30+70.28GW
14.3' LT

CONCRETE CURB & GUTTER
30-INCH TYPE D

31+00GW

STA 31+15.28GW
11.0' LT

CONCRETE CURB & GUTTER
30-INCH TYPE D

GATEWAY DR

185' TAPER

PAVEMENT DIVIDE

5'

3'

133' TAPER

STA 609+91.39FT
17.4' LT

CONCRETE CURB & GUTTER
18-INCH TYPE A

610+00FT

14'

50' TAPER

5'

STA 609+58.57FT
16.0' RT

GWF

STA 610+08.59FT
14.0' RT

CONCRETE CURB & GUTTER
18-INCH TYPE A

R40'

GWD

15'

15'

15'

GWE

50' TAPER

LEGEND

CONCRETE PAVEMENT GAP

COLORED CONCRETE RED

DRIVEWAY - REPLACE IN KIND

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET 64	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PAVEMENTGRADES\021201_PD.DWG PLOT DATE : 2/25/2015 10:15 AM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

LEGEND

- CONCRETE PAVEMENT GAP
- COLORED CONCRETE RED
- DRIVEWAY - REPLACE IN KIND

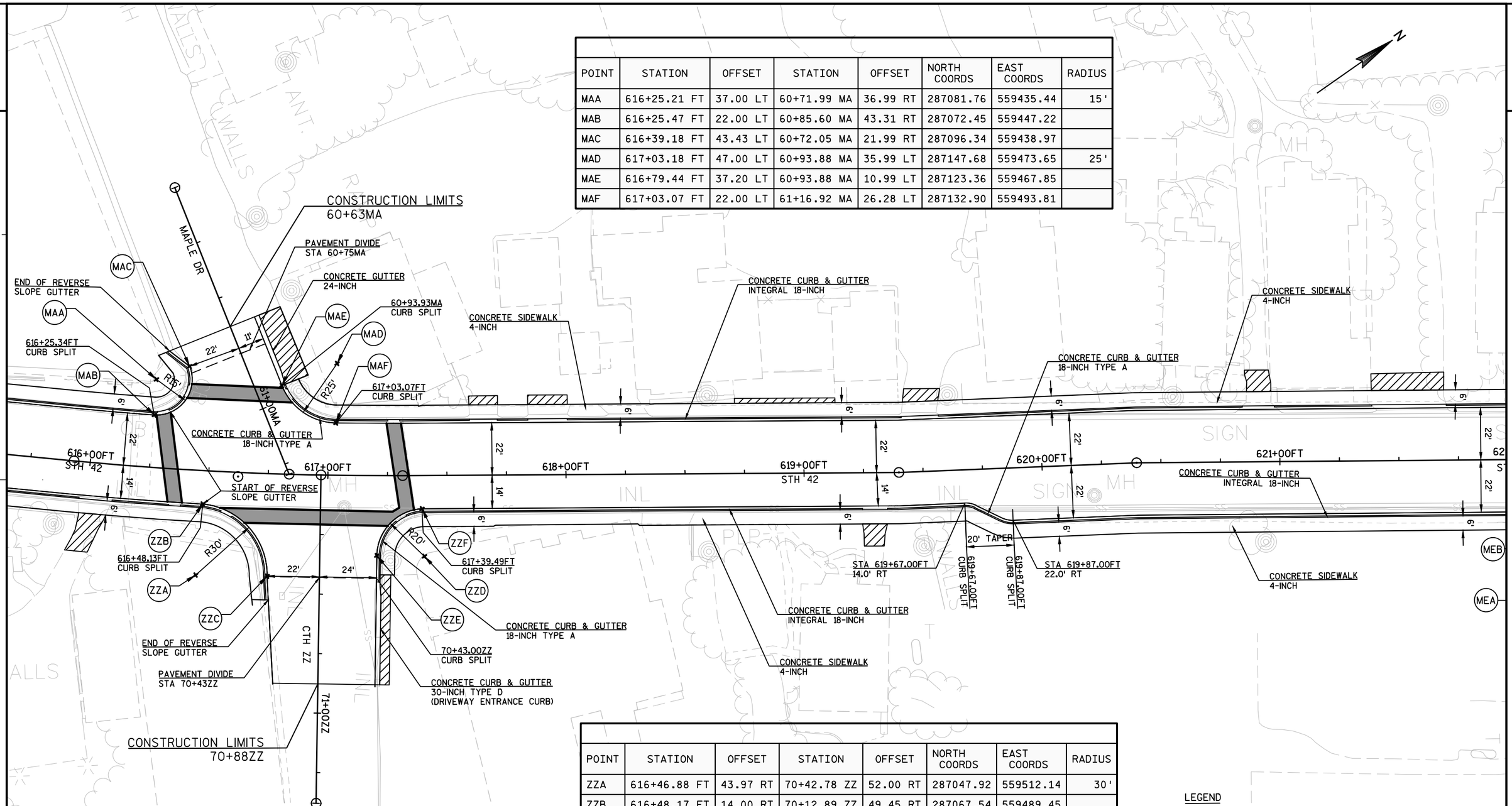
CONSTRUCTION LIMITS
40+91BL

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
BLA	612+37.62 FT	47.00 LT	41+66.93 BL	37.00 RT	286794.62	559176.23	25'
BLB	612+37.74 FT	22.00 LT	41+91.91 BL	38.06 RT	286778.43	559195.28	
BLC	612+62.59 FT	48.18 LT	41+66.93 BL	12.00 RT	286814.34	559191.60	
BLD	613+11.70 FT	47.00 LT	41+70.43 BL	37.00 LT	286850.83	559224.49	25'
BLE	613+11.70 FT	22.00 LT	41+95.40 BL	35.82 LT	286834.55	559243.46	
BLF	612+86.73 FT	45.82 LT	41+70.43 BL	12.00 LT	286831.11	559209.12	

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
FSA	611+93.32 FT	47.19 RT	50+72.92 FS	62.39 RT	286699.66	559218.84	25'
FSB	611+20.82 FT	67.83 RT	51+46.26 FS	118.11 RT	286631.20	559187.27	100'
FSC	610+74.26 FT	57.30 RT	51+62.75 FS	162.53 RT	286602.73	559148.96	148'
FSD	611+98.63 FT	23.00 RT	50+48.37 FS	65.67 RT	286719.44	559203.95	
FSE	612+15.63 FT	36.04 RT	50+54.81 FS	45.24 RT	286723.85	559224.92	
FSF	612+16.56 FT	96.69 RT	51+14.49 FS	21.00 RT	286685.05	559271.54	
FSG	611+95.90 FT	140.81 RT	51+64.78 FS	15.00 RT	286640.62	559291.55	
FSH	613+30.25 FT	86.96 RT	50+63.47 FS	79.89 LT	286777.65	559338.21	65'
FSI	612+65.92 FT	74.00 RT	50+73.29 FS	15.00 LT	286737.28	559286.48	
FSJ	613+27.92 FT	22.00 RT	50+03.22 FS	55.49 LT	286818.19	559287.41	

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET 65	E

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
MAA	616+25.21 FT	37.00 LT	60+71.99 MA	36.99 RT	287081.76	559435.44	15'
MAB	616+25.47 FT	22.00 LT	60+85.60 MA	43.31 RT	287072.45	559447.22	
MAC	616+39.18 FT	43.43 LT	60+72.05 MA	21.99 RT	287096.34	559438.97	
MAD	617+03.18 FT	47.00 LT	60+93.88 MA	35.99 LT	287147.68	559473.65	25'
MAE	616+79.44 FT	37.20 LT	60+93.88 MA	10.99 LT	287123.36	559467.85	
MAF	617+03.07 FT	22.00 LT	61+16.92 MA	26.28 LT	287132.90	559493.81	



POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
ZZA	616+46.88 FT	43.97 RT	70+42.78 ZZ	52.00 RT	287047.92	559512.14	30'
ZZB	616+48.17 FT	14.00 RT	70+12.89 ZZ	49.45 RT	287067.54	559489.45	
ZZC	616+75.93 FT	43.09 RT	70+42.82 ZZ	22.00 RT	287072.17	559529.80	
ZZD	617+40.36 FT	33.98 RT	70+33.49 ZZ	44.00 LT	287131.05	559561.04	20'
ZZE	617+20.63 FT	33.60 RT	70+33.49 ZZ	24.00 LT	287114.87	559549.28	
ZZF	617+39.44 FT	14.00 RT	70+13.54 ZZ	42.66 LT	287141.69	559544.10	

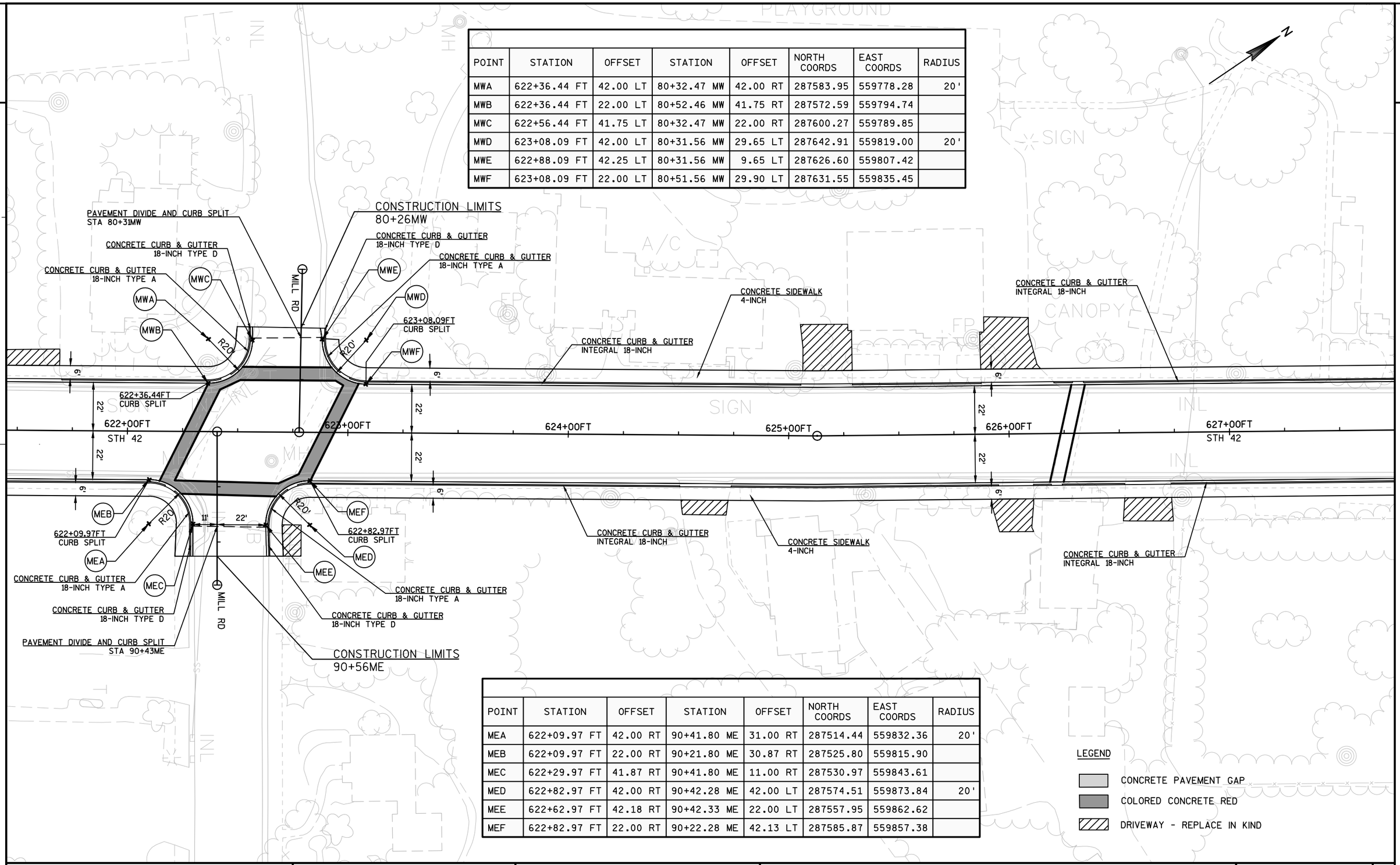
LEGEND

- CONCRETE PAVEMENT GAP
- COLORED CONCRETE RED
- DRIVEWAY - REPLACE IN KIND

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PAVEMENTGRADES\021201_PD.DWG PLOT DATE : 2/25/2015 10:24 AM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
MWA	622+36.44 FT	42.00 LT	80+32.47 MW	42.00 RT	287583.95	559778.28	20'
MWB	622+36.44 FT	22.00 LT	80+52.46 MW	41.75 RT	287572.59	559794.74	
MWC	622+56.44 FT	41.75 LT	80+32.47 MW	22.00 RT	287600.27	559789.85	
MWD	623+08.09 FT	42.00 LT	80+31.56 MW	29.65 LT	287642.91	559819.00	20'
MWE	622+88.09 FT	42.25 LT	80+31.56 MW	9.65 LT	287626.60	559807.42	
MWF	623+08.09 FT	22.00 LT	80+51.56 MW	29.90 LT	287631.55	559835.45	



POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
MEA	622+09.97 FT	42.00 RT	90+41.80 ME	31.00 RT	287514.44	559832.36	20'
MEB	622+09.97 FT	22.00 RT	90+21.80 ME	30.87 RT	287525.80	559815.90	
MEC	622+29.97 FT	41.87 RT	90+41.80 ME	11.00 RT	287530.97	559843.61	
MED	622+82.97 FT	42.00 RT	90+42.28 ME	42.00 LT	287574.51	559873.84	20'
MEE	622+62.97 FT	42.18 RT	90+42.33 ME	22.00 LT	287557.95	559862.62	
MEF	622+82.97 FT	22.00 RT	90+22.28 ME	42.13 LT	287585.87	559857.38	

LEGEND

- CONCRETE PAVEMENT GAP
- COLORED CONCRETE RED
- DRIVEWAY - REPLACE IN KIND

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET 67	E

2

RIPRAP

RIPRAP

RIPRAP

SIGN

CONCRETE SIDEWALK
4-INCH

CONCRETE CURB & GUTTER
INTEGRAL 18-INCH

CONCRETE SIDEWALK
4-INCH

6'

22'

22'

628+00FT

629+00FT
STH 42

630+00FT

631+00FT

632+00FT
STH 42

633+00FT

INL

INL

SS

SS

CANOE

FP

FP

A/C

CONCRETE SIDEWALK
4-INCH

CONCRETE CURB & GUTTER
INTEGRAL 18-INCH

CONCRETE SIDEWALK
4-INCH

LEGEND

CONCRETE PAVEMENT GAP

COLORED CONCRETE RED

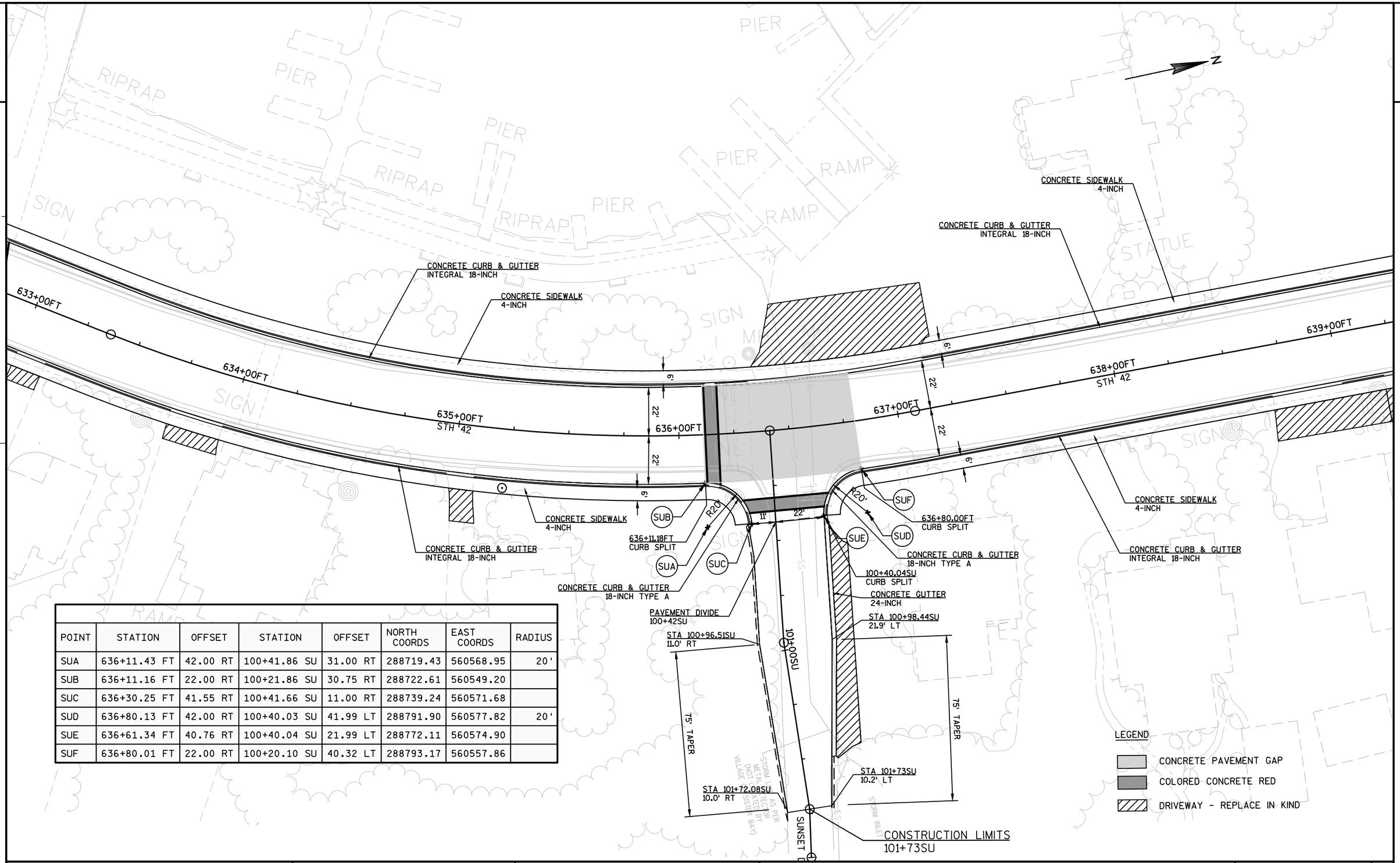
DRIVEWAY - REPLACE IN KIND

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET 68	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PAVEMENTGRADES\021201_PD.DWG PLOT DATE : 2/25/2015 10:24 AM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

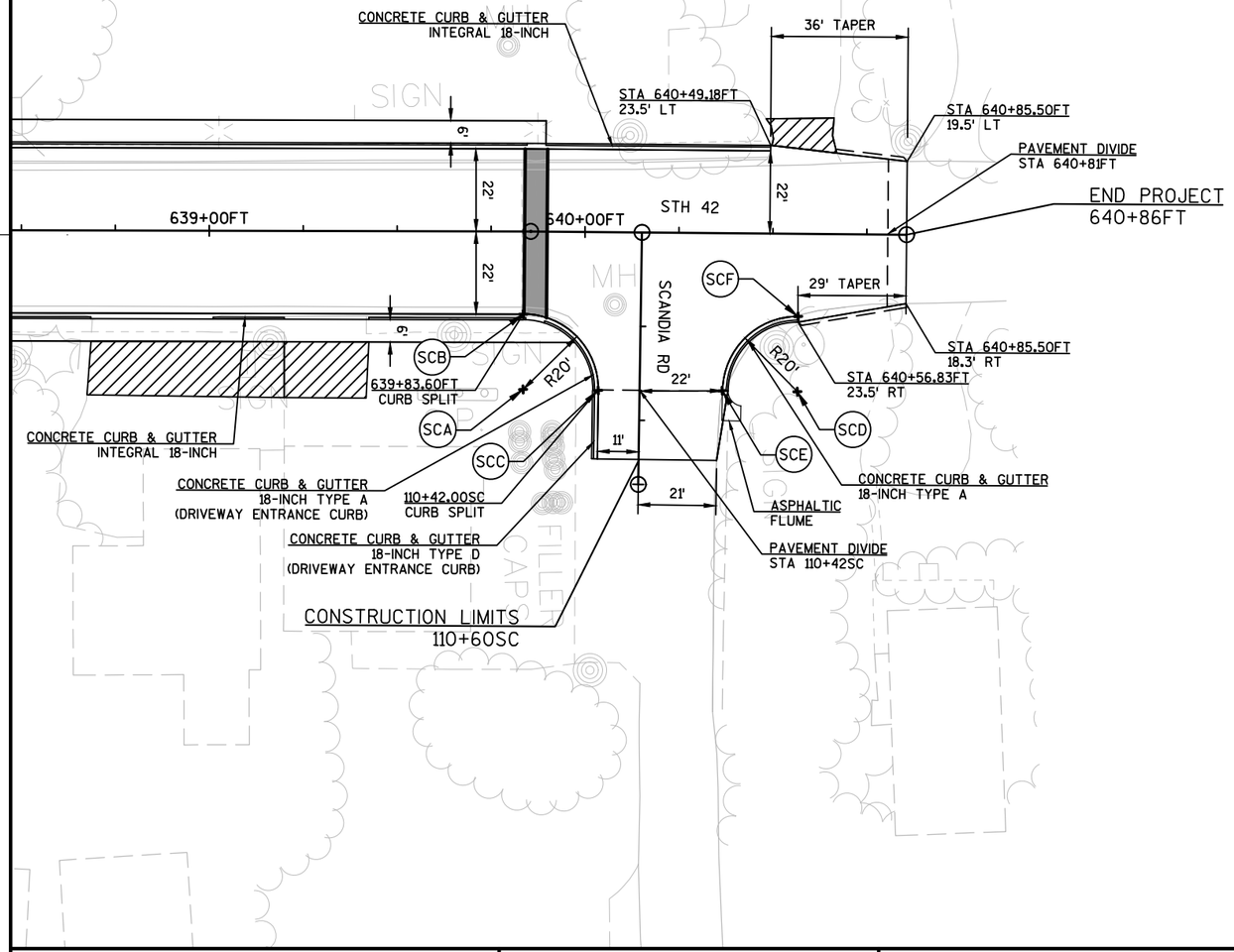
2



POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
SUA	636+11.43 FT	42.00 RT	100+41.86 SU	31.00 RT	288719.43	560568.95	20'
SUB	636+11.16 FT	22.00 RT	100+21.86 SU	30.75 RT	288722.61	560549.20	
SUC	636+30.25 FT	41.55 RT	100+41.66 SU	11.00 RT	288739.24	560571.68	
SUD	636+80.13 FT	42.00 RT	100+40.03 SU	41.99 LT	288791.90	560577.82	20'
SUE	636+61.34 FT	40.76 RT	100+40.04 SU	21.99 LT	288772.11	560574.90	
SUF	636+80.01 FT	22.00 RT	100+20.10 SU	40.32 LT	288793.17	560557.86	

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET 69	E

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
SCA	639+83.60 FT	42.00 RT	110+42.18 SC	31.00 RT	289096.96	560587.11	20'
SCB	639+83.60 FT	22.00 RT	110+22.18 SC	31.23 RT	289097.53	560567.12	
SCC	640+03.86 FT	42.12 RT	110+42.18 SC	11.00 RT	289116.95	560587.91	
SCD	640+56.86 FT	42.00 RT	110+41.78 SC	42.00 LT	289169.92	560589.62	20'
SCE	640+36.86 FT	41.89 RT	110+41.78 SC	22.00 LT	289149.94	560588.82	
SCF	640+56.86 FT	22.00 RT	110+21.78 SC	41.89 LT	289170.61	560569.63	



LEGEND

- CONCRETE PAVEMENT GAP
- COLORED CONCRETE RED
- DRIVEWAY - REPLACE IN KIND

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET 70	E

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
GWG	52+06.76 FS	84.99 RT	33+70.20 GW	84.98 LT	286574.11	559240.19	70'
GWH	52+63.86 FS	62.90 RT	33+68.52 GW	15.00 LT	286523.15	559288.19	
GWI	52+07.66 FS	15.00 RT	0+00.00	0.00	286598.66	559305.74	
GWJ	53+25.85 FS	56.00 RT	33+60.50 GW	55.00 RT	286467.73	559331.69	40'
GWK	52+91.10 FS	63.24 RT	33+60.50 GW	15.00 RT	286496.18	559303.57	
GWL	53+25.85 FS	16.00 RT	34+00.09 GW	60.71 RT	286491.50	559363.86	

+28.00
CURB SPLIT

613+32.94FT
CURB SPLIT

FSJ

FSH

CONCRETE CURB & GUTTER
30-INCH TYPE A

R65'

CONCRETE SIDEWALK
4-INCH

FSI

613+00FT

PAVEMENT DIVIDE AND CURB SPLIT
STA 51+20FS

CONCRETE CURB & GUTTER
30-INCH TYPE D

STA 53+25.85FS
18.5' RT

51+00FS

52+00FS

53+00FS

54+00FS

55+00FS

56+00FS

STH 57

CONCRETE CURB & GUTTER
30-INCH TYPE A

612+00FT

611+00FT

FSF

FSG

FSE

FSA

FSD

R25'

R100'

R148'

R70'

612+93.68FT
CURB SPLIT

FSB

FSC

GWI

GWL

GWJ

GWK

GWH

GWG

34+00GW

33+00GW

GATEWAY DR

50' TAPER

STA 53+75.85FS
11.0' RT

R40'

CONCRETE SURFACE DRAIN

CONCRETE CURB & GUTTER
30-INCH TYPE D

CONCRETE CURB & GUTTER
30-INCH TYPE D

CONCRETE CURB & GUTTER
18-INCH TYPE A

RIPRAP

SIGN

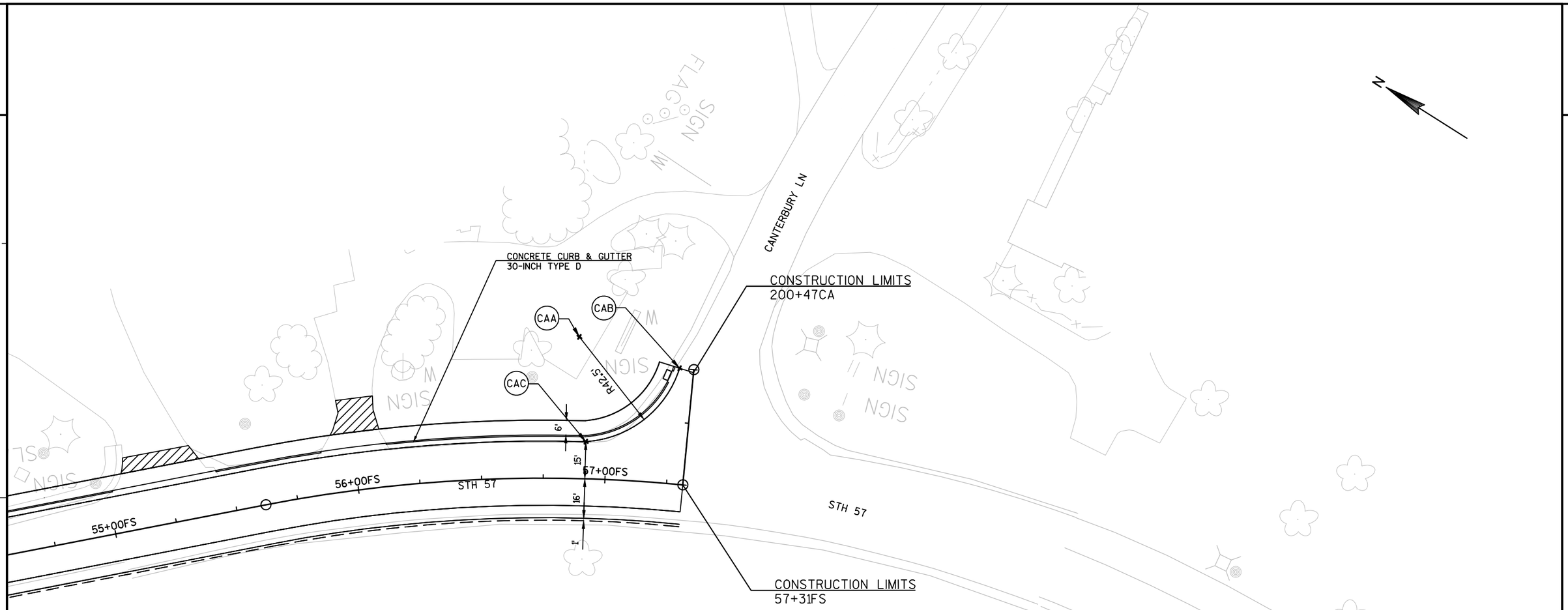
SLAB

LEGEND

- CONCRETE PAVEMENT GAP
- COLORED CONCRETE RED
- DRIVEWAY - REPLACE IN KIND

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET 71	E

2



POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
CAA	56+88.35 FS	57.34 LT	0+00.00	0.00	286255.84	559661.37	42.5'
CAB	57+26.21 FS	46.89 LT	200+46.87 CA	5.79 LT	286214.77	559672.30	
CAC	56+91.81 FS	15.00 LT	200+13.63 CA	40.74 LT	286231.00	559626.88	

LEGEND

- CONCRETE PAVEMENT GAP
- COLORED CONCRETE RED
- DRIVEWAY - REPLACE IN KIND

LEGEND

CONCRETE PAVEMENT GAP

COLORED CONCRETE RED

DRIVEWAY - REPLACE IN KIND

PAVEMENT DIVIDE

611+00FT

610+00FT

609+00FT

608+00FT

607+73.80FT
CURB SPLIT

CONCRETE CURB & GUTTER
18-INCH TYPE A

GWA

GWB

GWC

GWD

GWE

GWF

R60'

R40'

15'

30+60.28GW
CURB SPLIT

CONCRETE CURB & GUTTER
30-INCH TYPE D

PAVEMENT DIVIDE
STA 30+61GW

CONCRETE CURB & GUTTER
30-INCH TYPE D

31+00GW

GATEWAY
DR

32+00GW

33+00GW

11'

15'

CONCRETE CURB & GUTTER
30-INCH TYPE D

GWG

GWH

GWI

R70'

52+00FS

34+00GW

53+00FS

GATEWAY
DR

GWJ

GWK

GWL

R40'

CONCRETE SURFACE DRAIN

54+00FS

55+00

N

SIGN

MALLS

MH

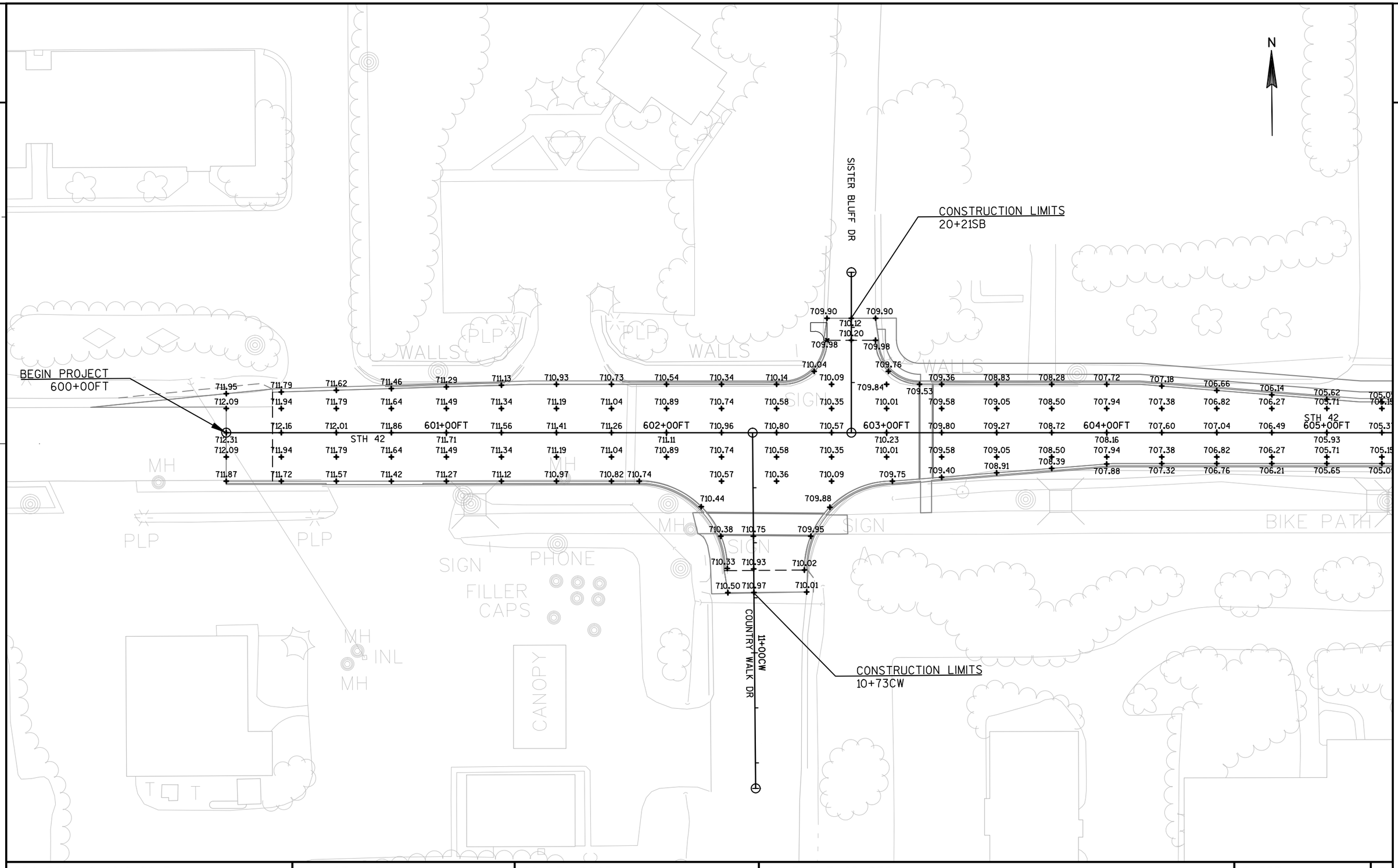
RIP-RAP

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
GWA	608+48.80 FT	76.00 RT	30+60.28 GW	75.00 RT	286421.66	558975.68	60'
GWB	608+48.80 FT	16.00 RT	30+10.84 GW	63.34 RT	286474.85	558947.92	
GWC	608+98.17 FT	62.40 RT	30+60.28 GW	15.00 RT	286463.65	559018.54	
GWD	609+58.44 FT	56.00 RT	30+59.26 GW	54.99 LT	286513.09	559068.09	40'
GWE	609+23.80 FT	58.56 RT	30+60.28 GW	15.00 LT	286484.64	559039.97	
GWF	609+58.59 FT	16.00 RT	30+12.70 GW	50.71 LT	286541.82	559040.25	

POINT	STATION	OFFSET	STATION	OFFSET	NORTH COORDS	EAST COORDS	RADIUS
GWG	52+06.75 FS	84.99 RT	33+70.20 GW	84.98 LT	286574.11	559240.19	70'
GWH	52+63.81 FS	62.70 RT	33+68.74 GW	15.00 LT	286523.31	559288.34	
GWI	52+07.66 FS	15.00 RT	0+00.00	0.00	286598.66	559305.74	
GWJ	53+25.85 FS	56.00 RT	33+60.50 GW	55.00 RT	286467.73	559331.69	40'
GWK	52+91.10 FS	63.24 RT	33+60.50 GW	15.00 RT	286496.18	559303.57	
GWL	53+25.85 FS	16.00 RT	34+00.09 GW	60.71 RT	286491.50	559363.86	

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN DETAILS	SHEET 73	E

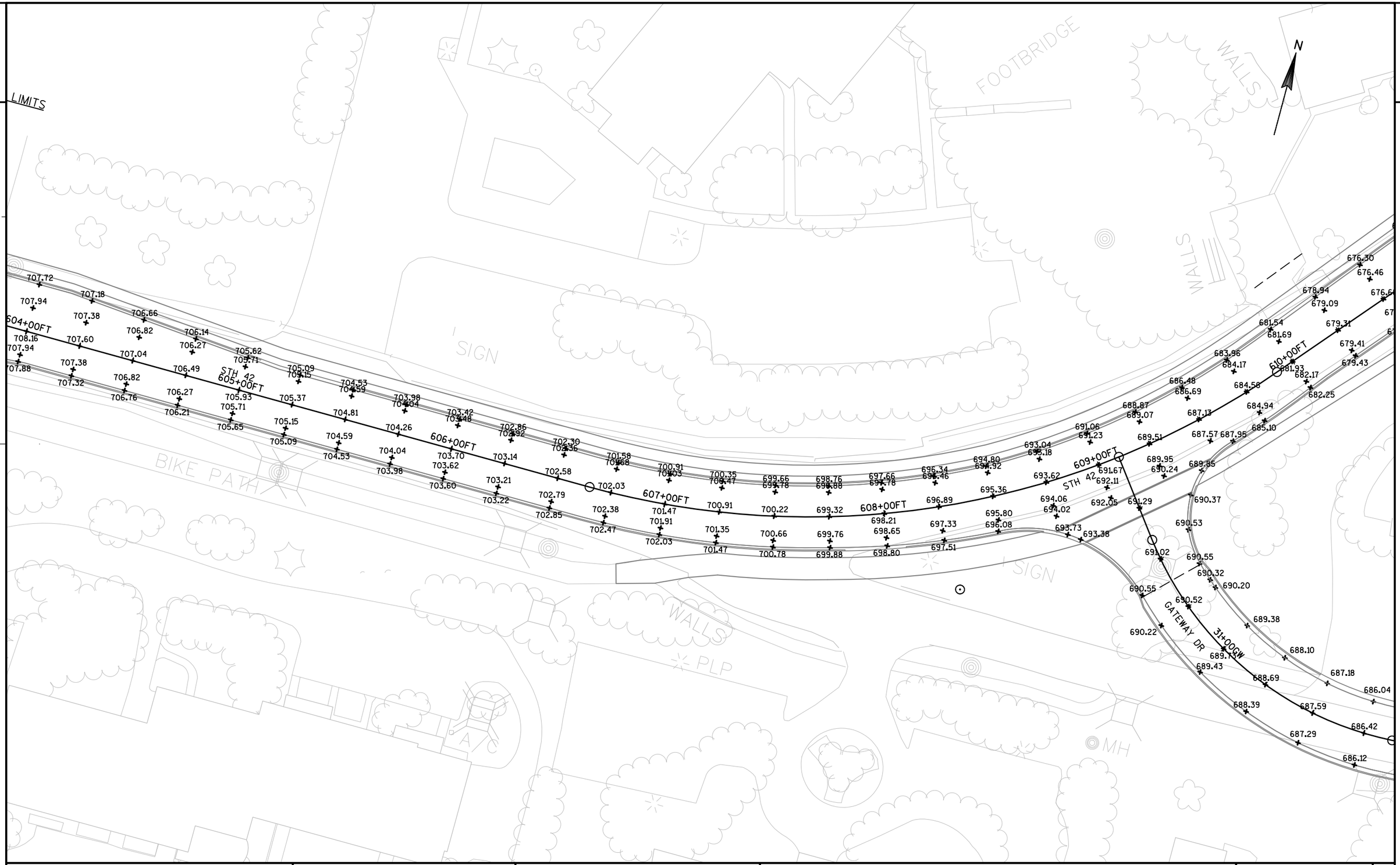
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PAVEMENTGRADES\021251_PD.DWG PLOT DATE : 1/25/2015 5:29 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 75	E

2

CONSTRUCTION LIMITS
40+91BL

BLUFFSIDE LN

41+00BL

42+00BL

51+00FS

52+00FS

STH 57

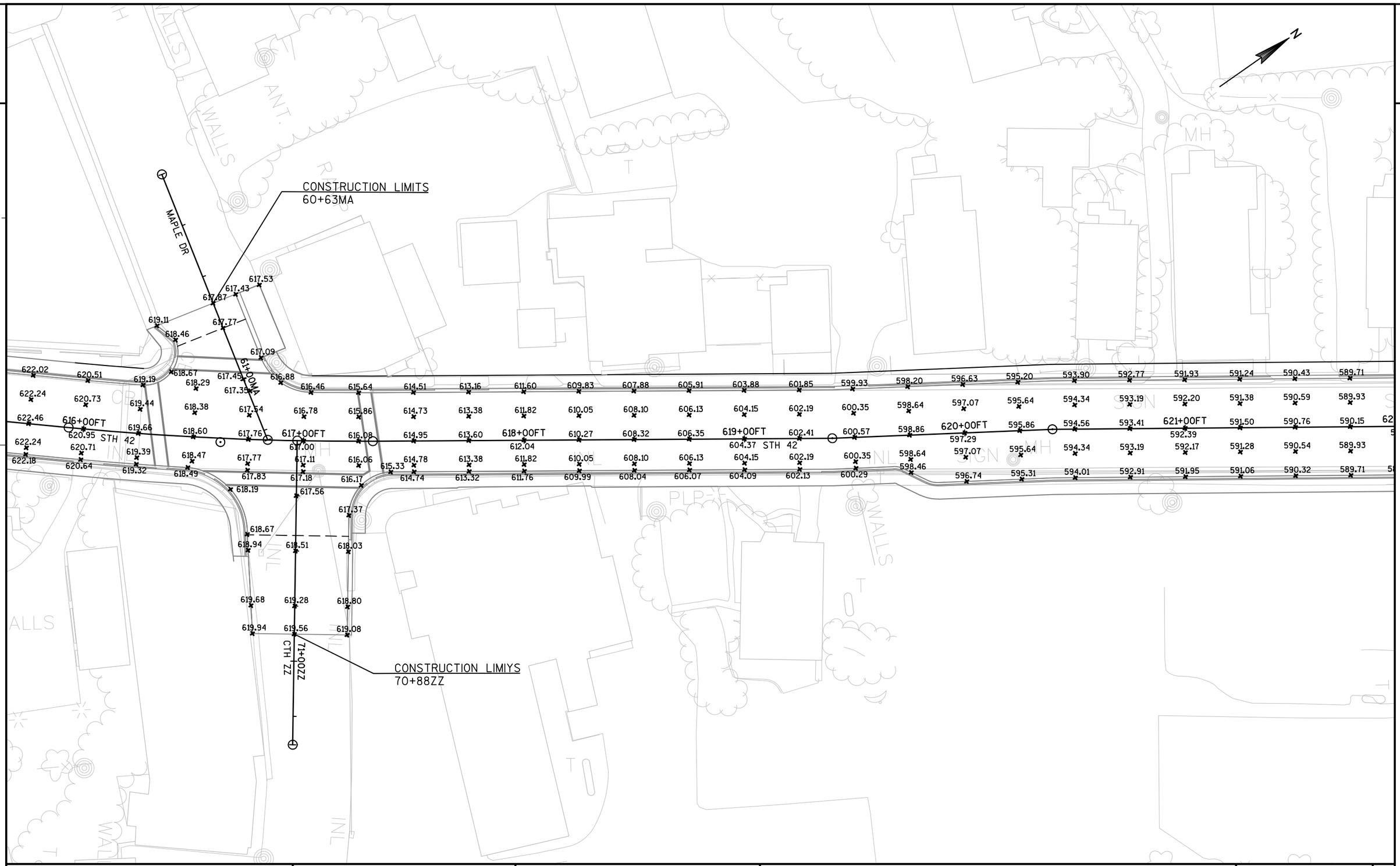
STH 42

WALLS

SIGN

| | | |

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 77	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PAVEMENTGRADES\021251_PD.DWG PLOT DATE : 1/25/2015 5:52 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

2

2

PLAYGROUND

SIGN

CANOPY

A/C

MH

FP

CONSTRUCTION LIMITS
80+26MW

MILL RD

STH 42

622+00FT

623+00FT

624+00FT

625+00FT

626+00FT

627+00FT

588.05 587.62
588.04 587.94 588.08
588.32 587.52
587.54
590.43 589.71 589.24 588.80 588.60 588.41 588.11 587.42 587.31 587.18 587.08 587.02 586.97 586.91 586.86 586.80 586.75 586.69 586.61 586.48 586.33 586.20 586.10 586.00 585.90 585.80
590.59 589.93 589.46 589.02 588.59 588.23 587.95 587.75 587.62 587.52 587.42 587.32 587.22 587.12 587.02 586.92 586.82 586.72 586.62 586.52 586.42 586.32 586.22 586.12 586.02
590.76 590.15 589.68 589.24 588.81 588.45 588.17 587.97 587.84 587.74 587.64 587.54 587.44 587.34 587.24 587.14 587.04 586.94 586.84 586.74 586.64 586.54 586.44 586.34 586.24
590.54 589.93 589.46 589.02 588.59 588.23 587.95 587.75 587.62 587.52 587.42 587.32 587.22 587.12 587.02 586.92 586.82 586.72 586.62 586.52 586.42 586.32 586.22 586.12 586.02
590.32 589.71 589.24 589.06 588.72 588.53 587.94 587.69 587.51 587.31 587.18 587.08 586.98 586.88 586.78 586.68 586.58 586.53 586.47 586.39 586.33 586.28 586.20 586.10 586.00 585.90 585.80
588.60 588.11
588.73 588.52
589.01 589.24 588.68
589.23 589.38 588.87

MILL RD

CONSTRUCTION LIMITS
90+56ME

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 78	E

2

RIPRAP

RIPRAP

RIPRAP

SIGN

.90	585.80	585.70	585.60	585.50	585.40	585.30	585.20	585.10	585.00	584.90	584.83	584.81	584.79	584.82	584.88	584.97	585.05	585.14	585.27	585.39	585.52	585.64	585.77	585.89	585.9
.12	586.02	585.92	585.82	585.72	585.62	585.52	585.42	585.32	585.22	585.12	585.05	585.03	585.05	585.11	585.21	585.34	585.46	585.58	585.71	585.83	585.96	586.08	586.21	586.33	586.4
.34	586.24	586.14	628+00FT	585.94	585.84	585.74	629+00FT	585.54	585.44	585.34	630+00FT	585.25	585.27	585.33	631+00FT	585.56	585.68	585.80	632+00FT	586.05	586.18	586.30	633+00FT	586.55	586.6
			586.04		STH 42		585.64				585.27				585.43			STH 42	585.93				586.43		
.12	586.02	585.92	585.82	585.72	585.62	585.52	585.42	585.32	585.22	585.12	585.05	585.03	585.05	585.11	585.21	585.34	585.46	585.58	585.71	585.83	585.96	586.08	586.21	586.33	586.4
.90	585.80	585.70	585.60	585.50	585.40	585.30	585.20	585.10	585.00	584.86	584.74	584.70	584.72	584.78	584.90	585.07	585.24	585.36	585.44	585.52	585.63	585.75	585.88	586.03	586.1

CANOE

FP

FP

A/C

PVC PIPE RUNNING THROUGH BOTTOM OF INLET

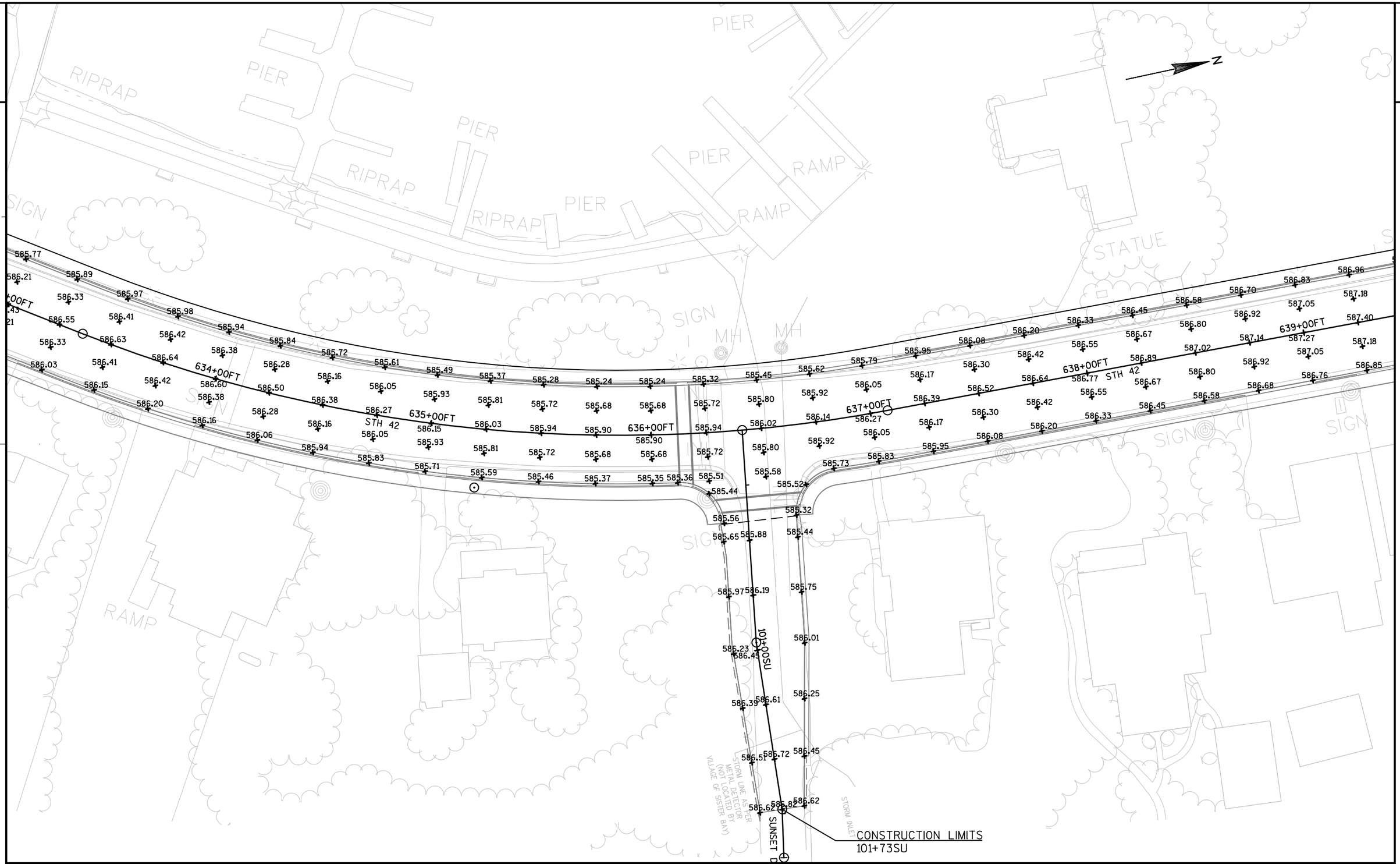
IN

T

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PAVEMENTGRADES\021251_PD.DWG PLOT DATE : 1/25/2015 5:58 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

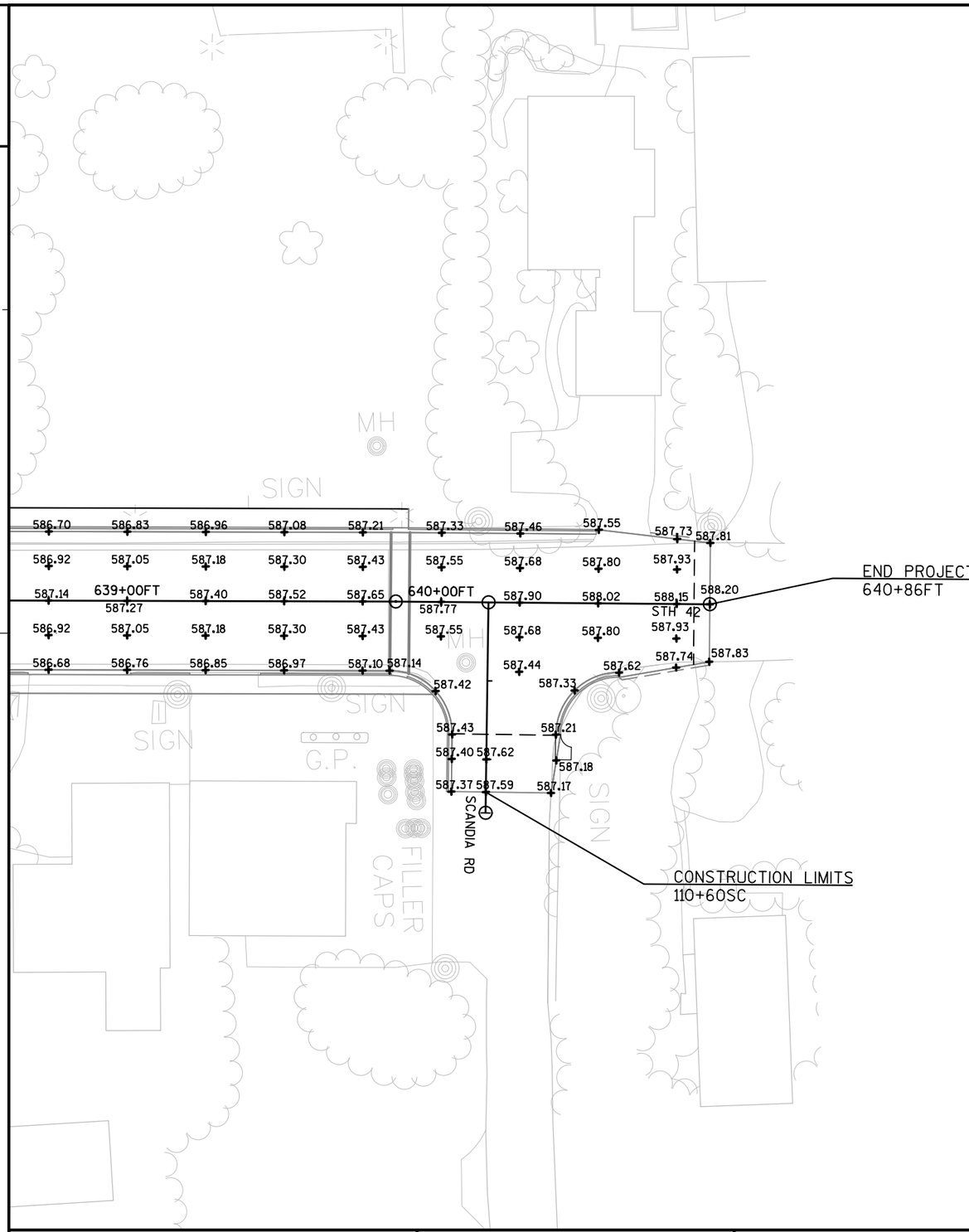
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 80	E

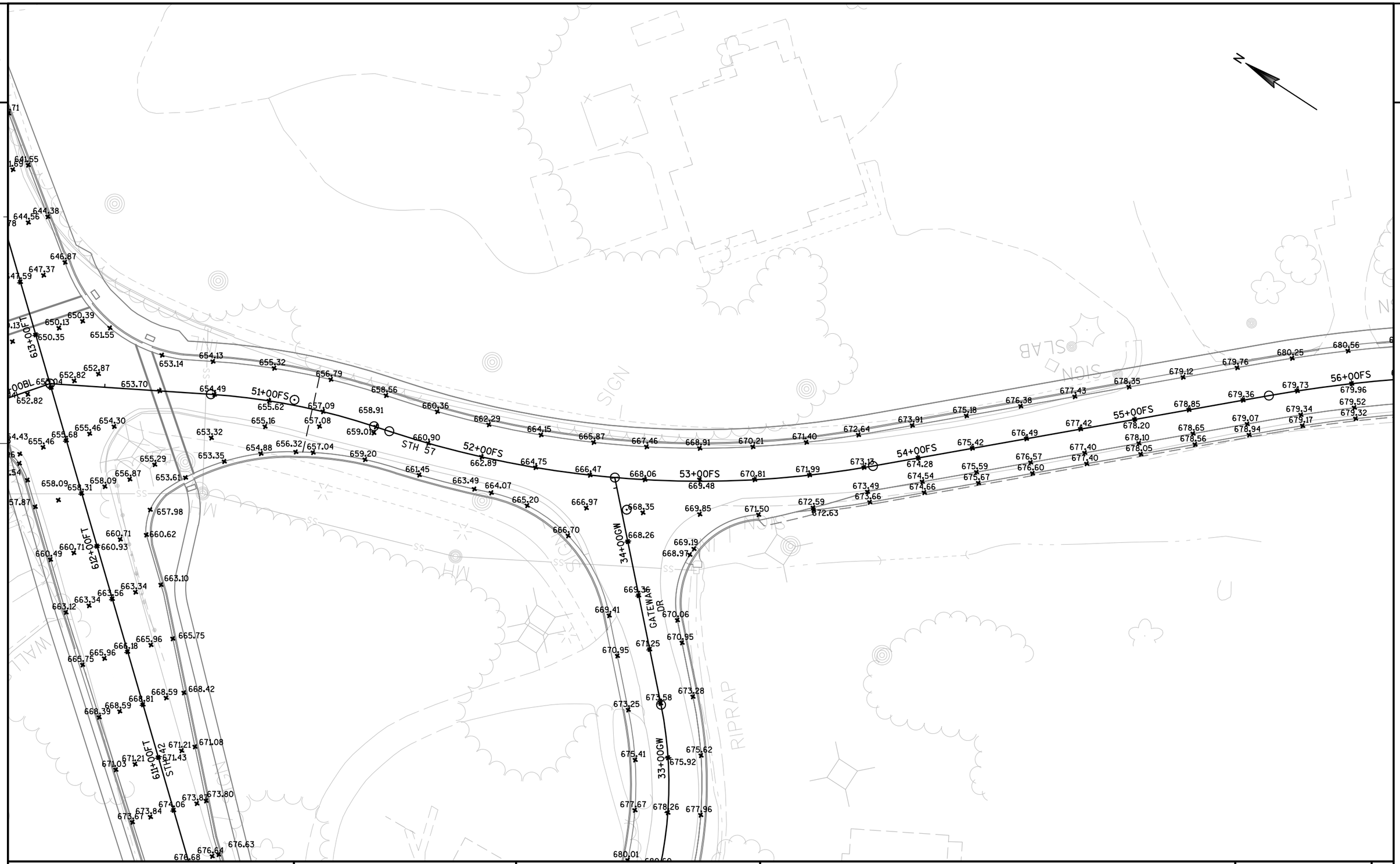
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N



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 81	E

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 82	E

2

N

CANTERBURY LN

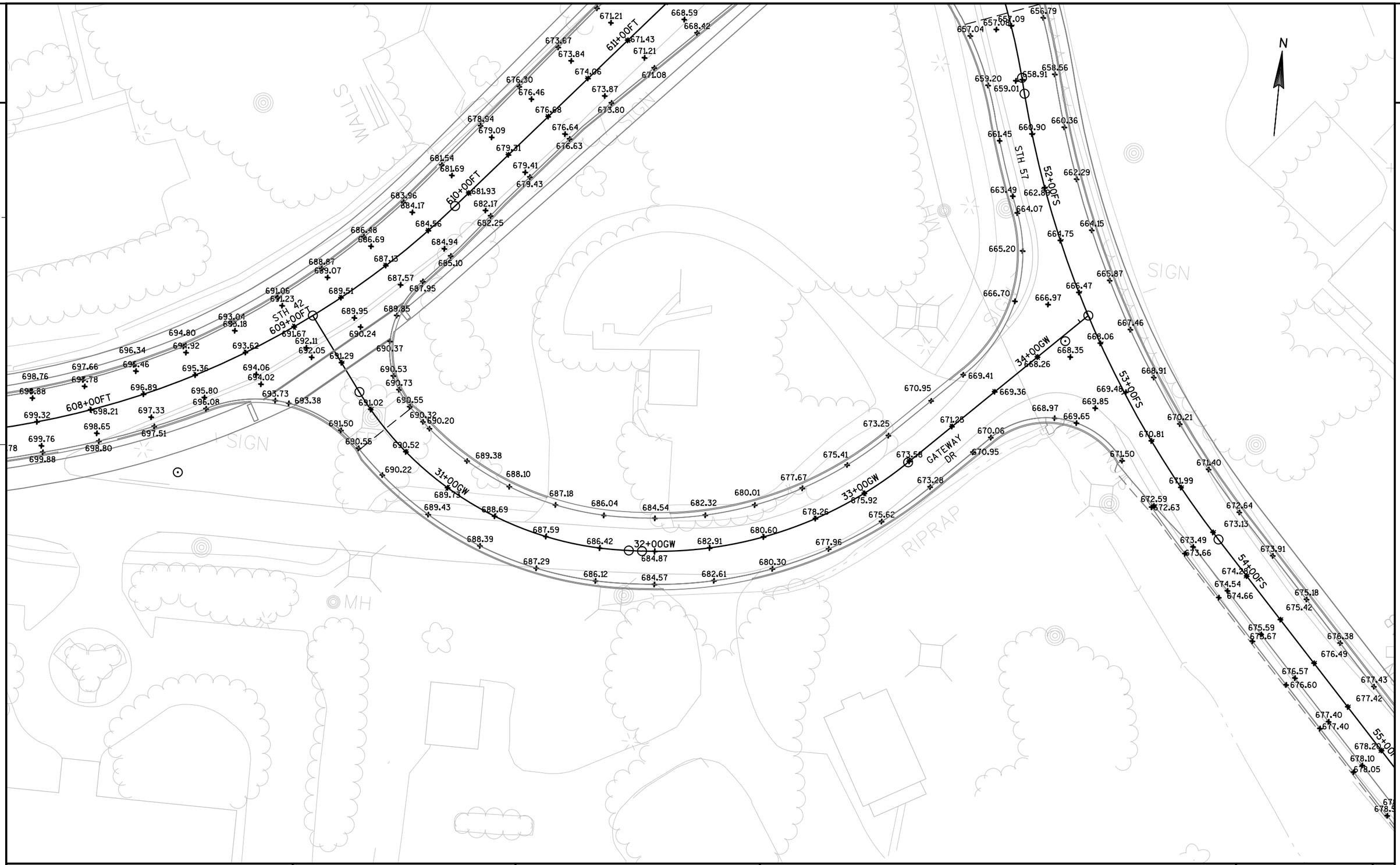
CONSTRUCTION LIMITS
200+47CA

CONSTRUCTION LIMITS
57+31FS

STH 57

54+00FS 55+00FS 56+00FS 57+00FS

672.64 673.13 673.49 673.66 673.91 674.28 674.54 674.66 675.18 675.42 675.59 675.67 676.38 676.49 676.57 676.60 677.43 677.42 677.40 677.40 678.35 678.85 678.20 678.10 678.05 679.12 679.36 678.65 678.56 679.76 679.73 679.07 678.94 680.25 679.34 679.17 680.56 679.96 679.52 679.32 680.09 679.65 679.45 680.22 679.78 679.58 680.36 679.92 679.72 680.49 680.05 679.85 680.62 680.18 679.98 680.94 680.96 681.15 681.04 680.96 681.10 680.93 680.96 680.66 680.22 680.02



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT GRADES	SHEET 84	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PAVEMENTGRADES\021261_PD.DWG PLOT DATE : 1/28/2015 4:02 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

2

2

N

SISTER BLUFF DRIVE

A C

A B

601+00 602+00 603+00 604+00 605+00

11+00

COUNTRY WALK DRIVE

WALLS

PLP

SIGN

MH

PHONE

FILLER CAPS

INL

CANOPY

BIKE PATH

XXXX XXXX XXXX

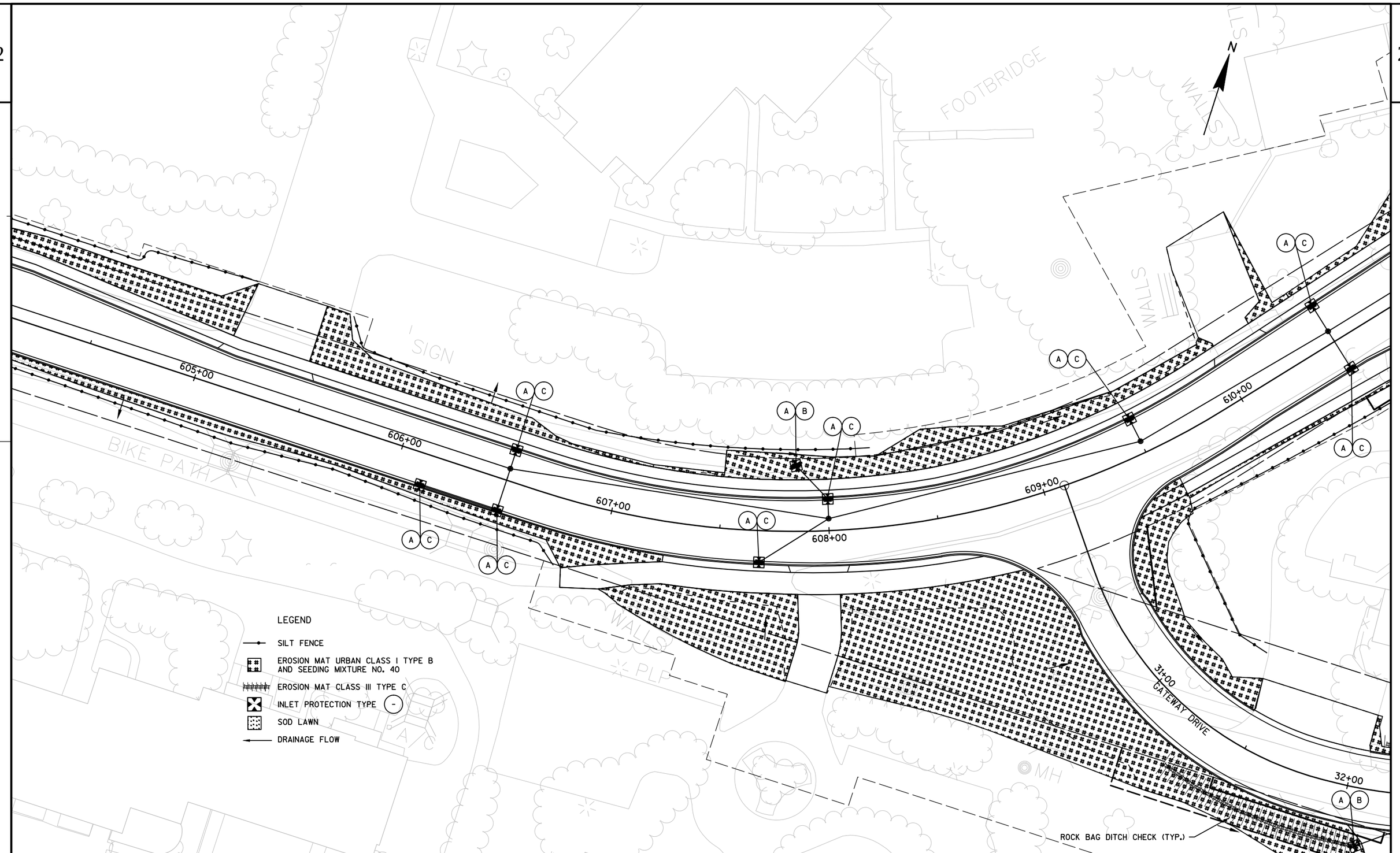
LEGEND

- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE B AND SEEDING MIXTURE NO. 40
- EROSION MAT CLASS III TYPE C
- INLET PROTECTION TYPE (-)
- SOD LAWN
- DRAINAGE FLOW

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 85	E

2

2



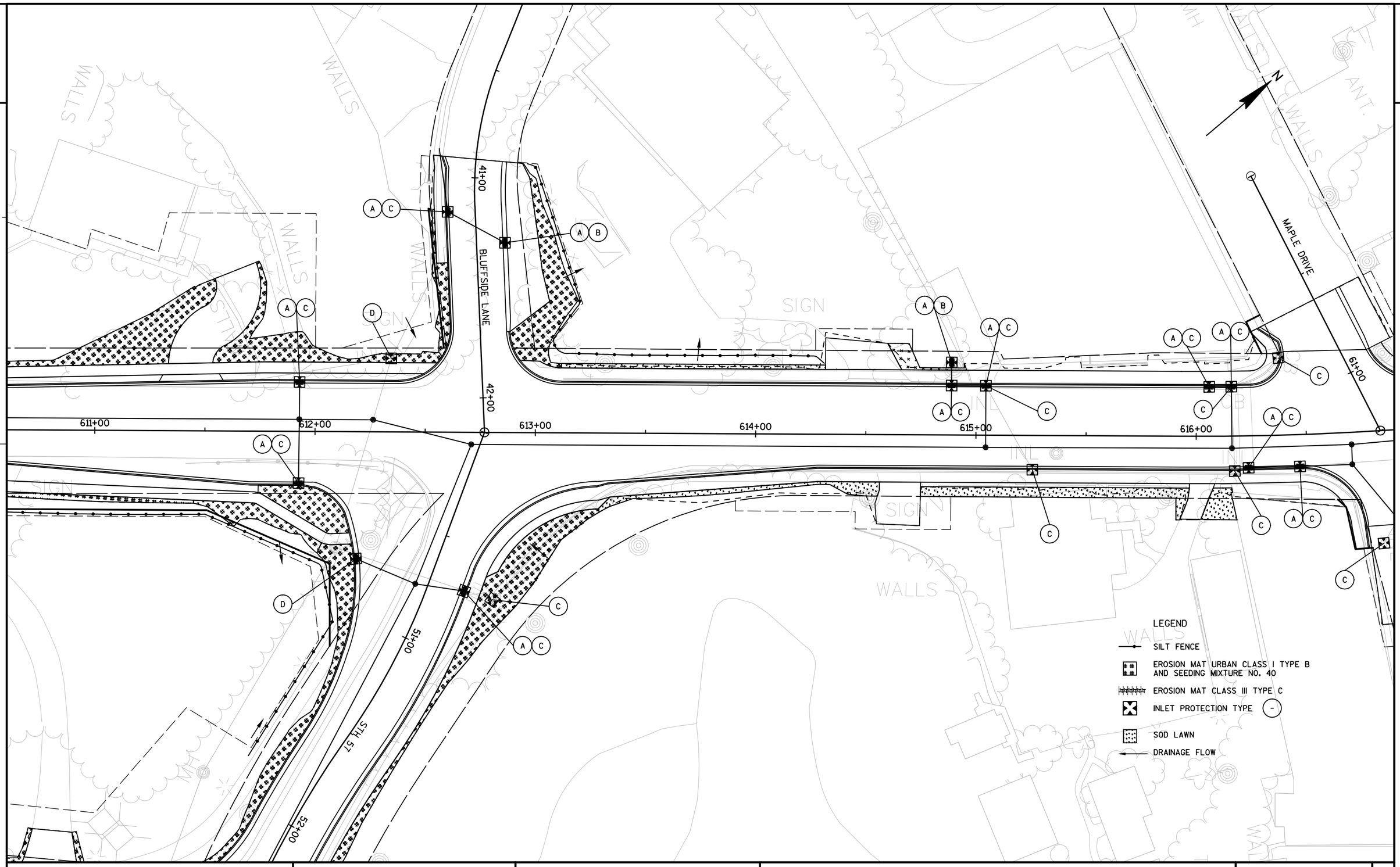
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 86	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\EROSION CONTROL\022001_EC.DWG
LAYOUT NAME - 022002

PLOT DATE : 3/1/2015 4:54 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

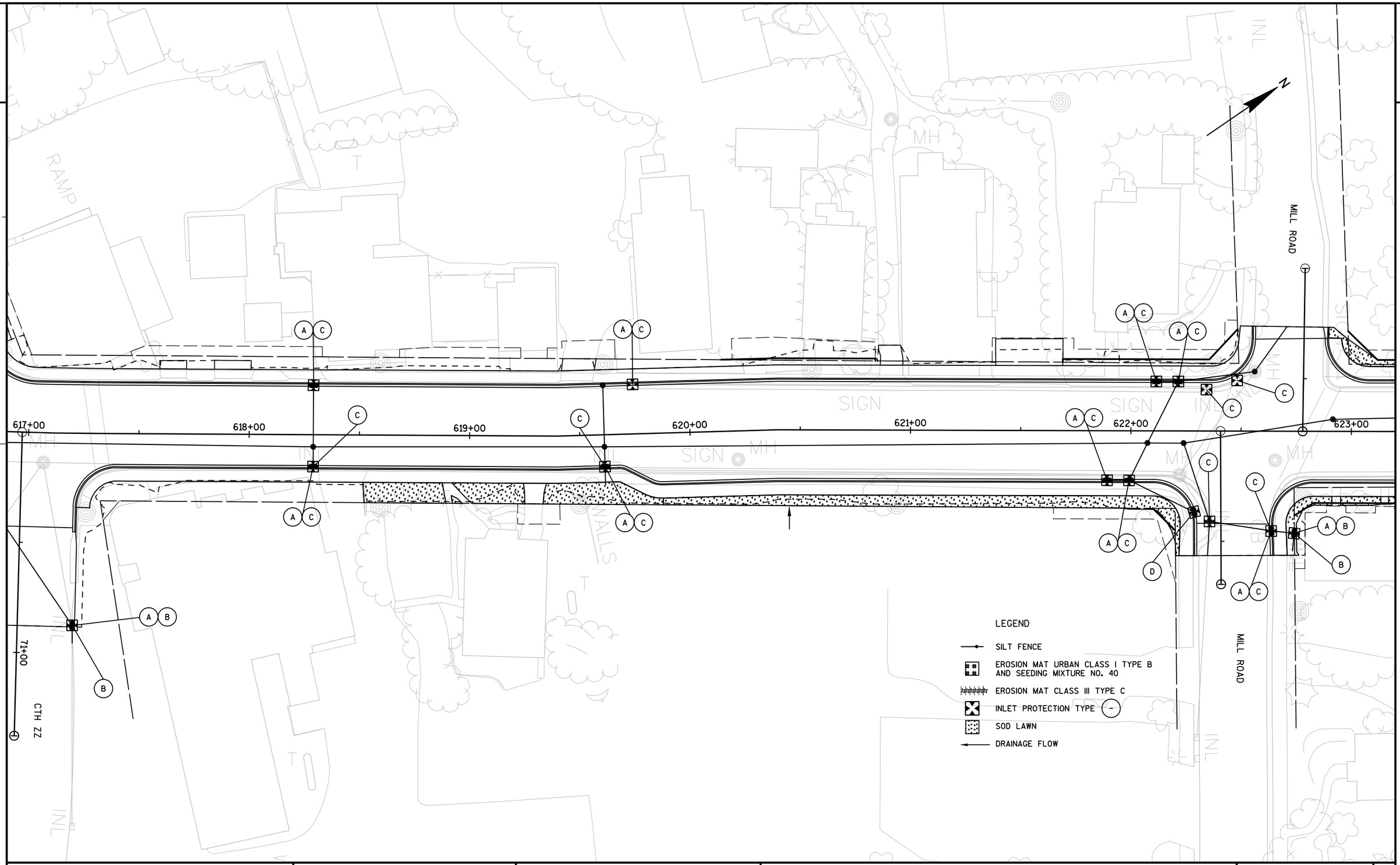
2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 87	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\EROSION CONTROL\022001_EC.DWG
LAYOUT NAME - 022003
PLOT DATE : 3/1/2015 4:54 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 88 E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\EROSION CONTROL\022001_EC.DWG
LAYOUT NAME - 022004

PLOT DATE : 3/1/2015 4:54 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PLAYGROUND

SIGN

A/C

*COORDINATE WITH VILLAGE FOR LANDSCAPING IN FRONT OF POST OFFICE.

624+00 625+00 626+00 627+00 628+00 629+00

A C

LEGEND

- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE B AND SEEDING MIXTURE NO. 40
- EROSION MAT CLASS III TYPE C
- INLET PROTECTION TYPE (-)
- SOD LAWN
- DRAINAGE FLOW

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\EROSION CONTROL\022001_EC.DWG
LAYOUT NAME - 022005

PLOT DATE : 3/1/2015 4:54 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

RIPRAP
RIPRAP
PIER
PIER
RIPRAP
RIPRAP
RIPRAP
PIER
SIGN
SIGN
RAMP
N
630+00
631+00
632+00
633+00
634+00
635+00
D
A C
C
A C
C
D
A C
A C
LEGEND
SILT FENCE
EROSION MAT URBAN CLASS I TYPE B AND SEEDING MIXTURE NO. 40
EROSION MAT CLASS III TYPE C
INLET PROTECTION TYPE (-)
SOD LAWN
DRAINAGE FLOW

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 90	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\EROSION CONTROL\022001_EC.DWG
LAYOUT NAME - 022006

PLOT DATE : 3/1/2015 4:55 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

*COORDINATE WITH VILLAGE FOR LANDSCAPING BETWEEN SIDEWALK AND MARINA PAVEMENT.

636+00 637+00 638+00 639+00 640+00

SUNSET DRIVE 101+00

SCANDIA ROAD

LEGEND

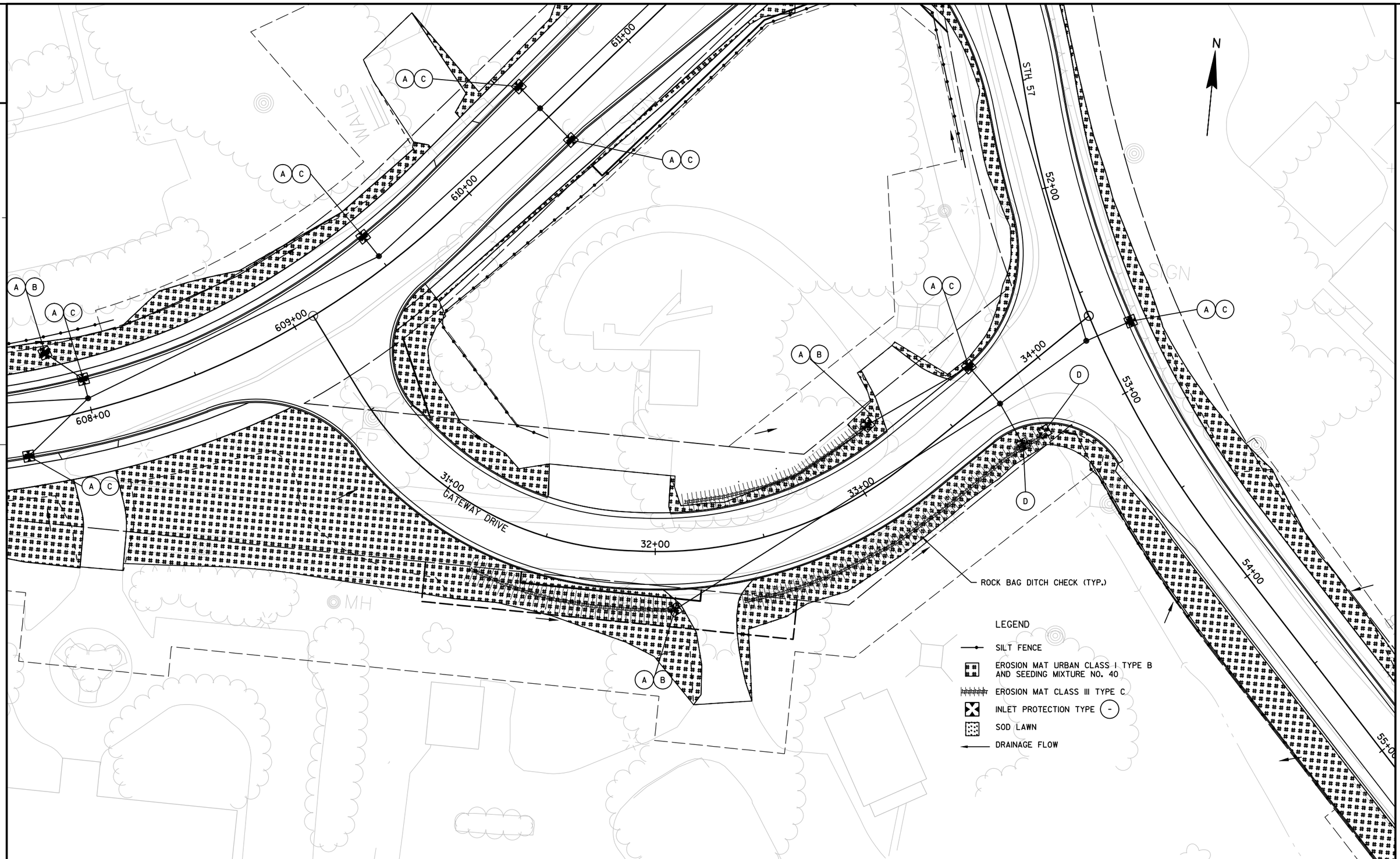
- SILT FENCE
- EROSION MAT URBAN CLASS I TYPE B AND SEEDING MIXTURE NO. 40
- EROSION MAT CLASS III TYPE C
- INLET PROTECTION TYPE (-)
- SOD LAWN
- DRAINAGE FLOW

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 91	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\EROSION CONTROL\022001_EC.DWG
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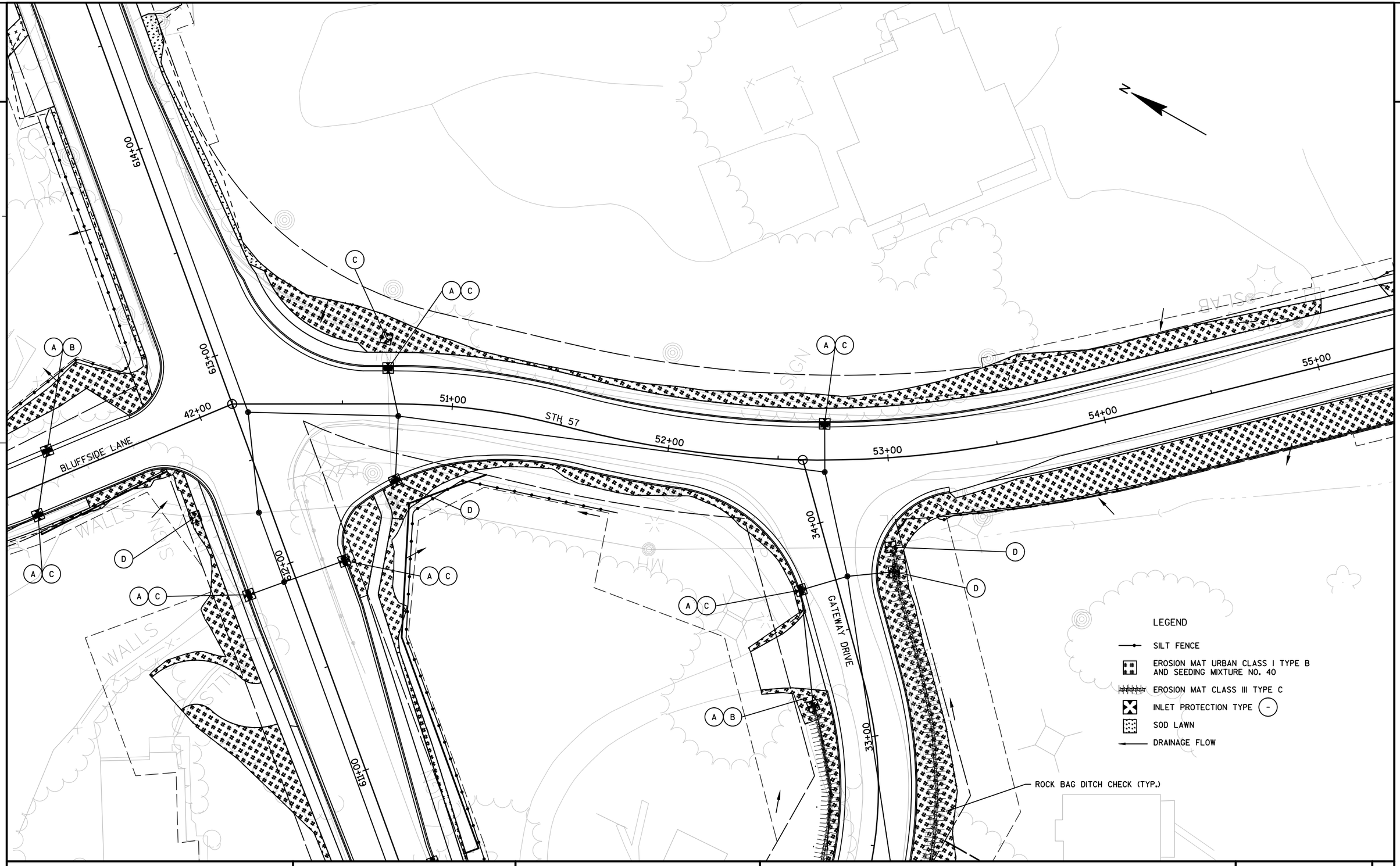
PLOT DATE : 3/1/2015 4:55 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 92	E

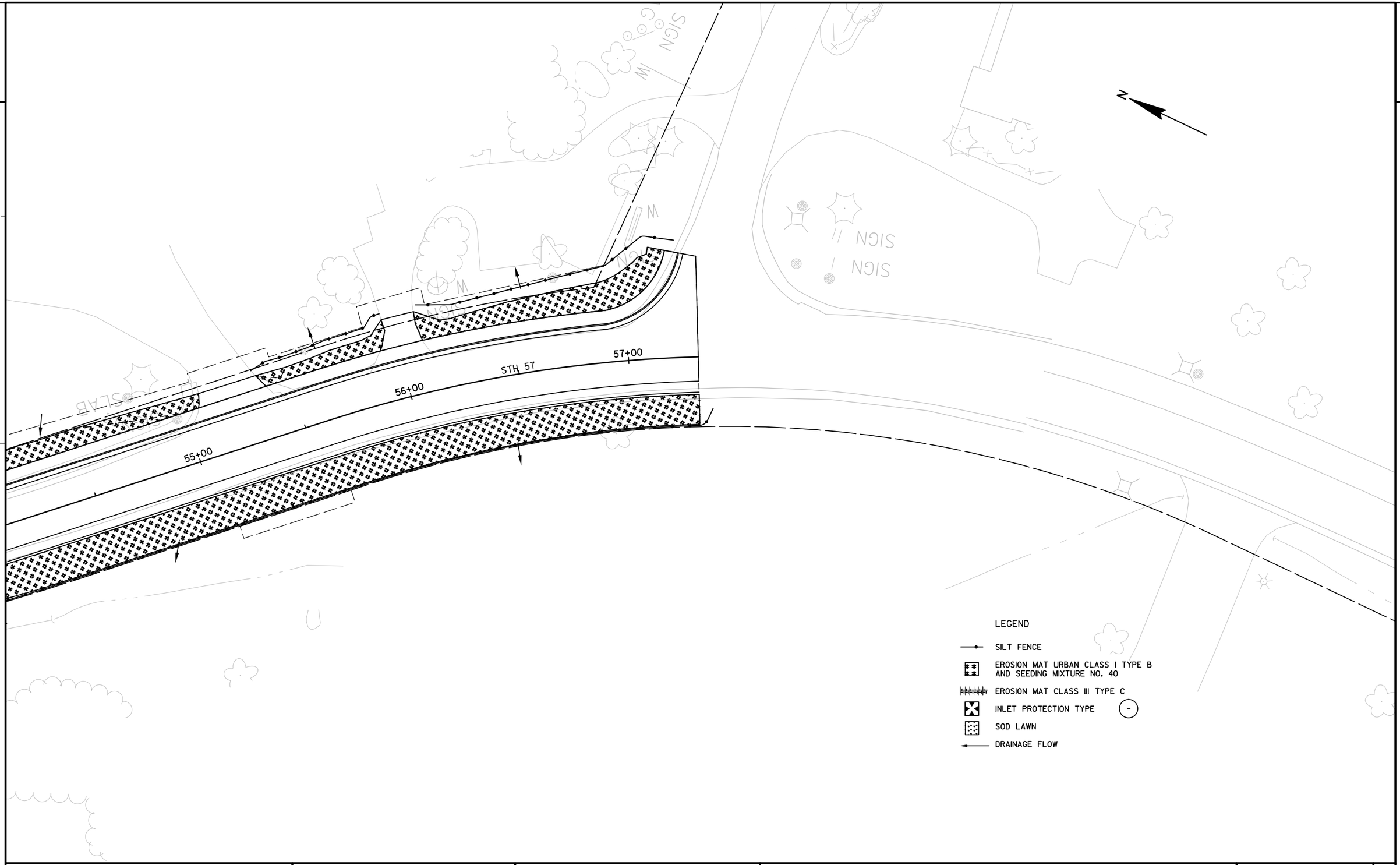
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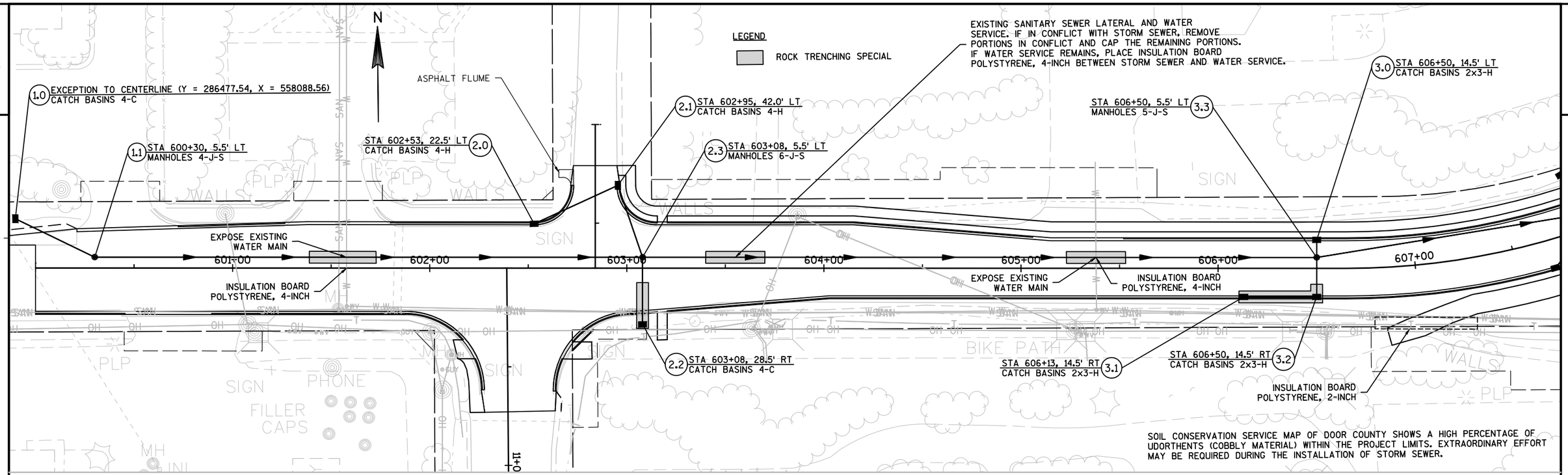
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 93	E

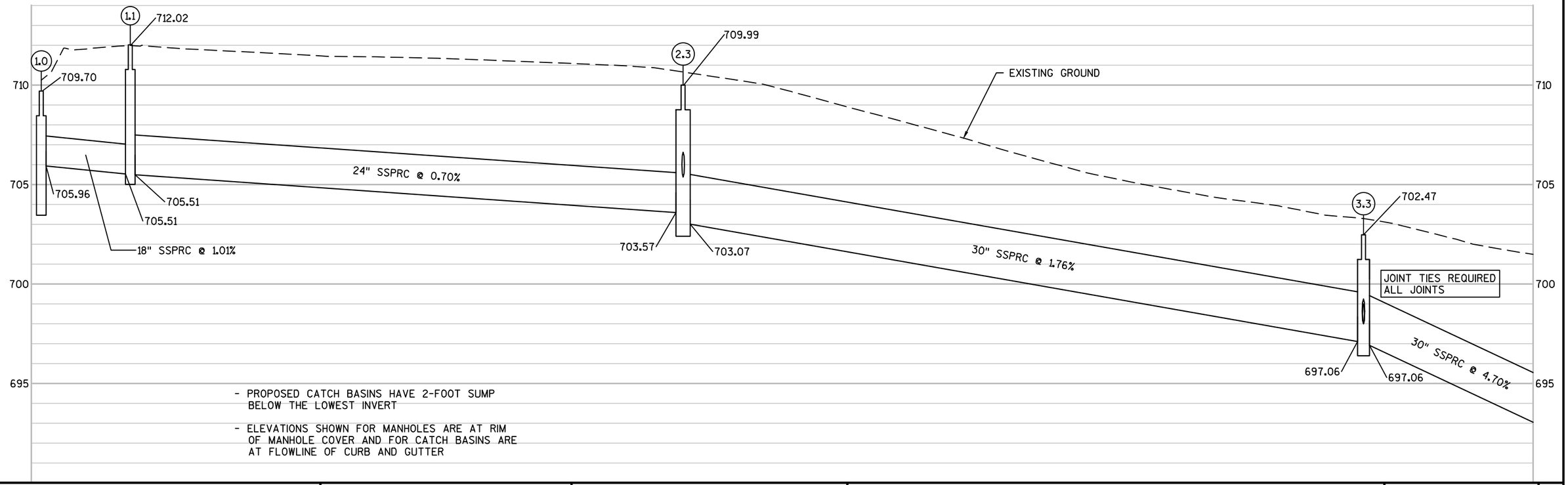
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LAYOUT NAME - 022009
PLOT DATE : 3/1/2015 4:56 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

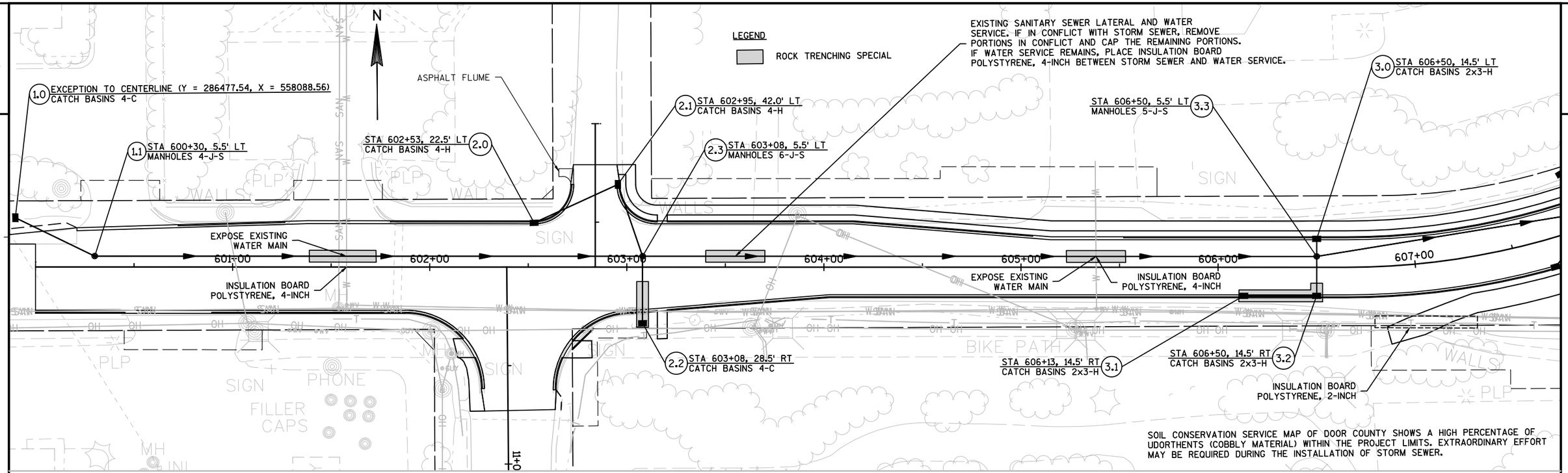


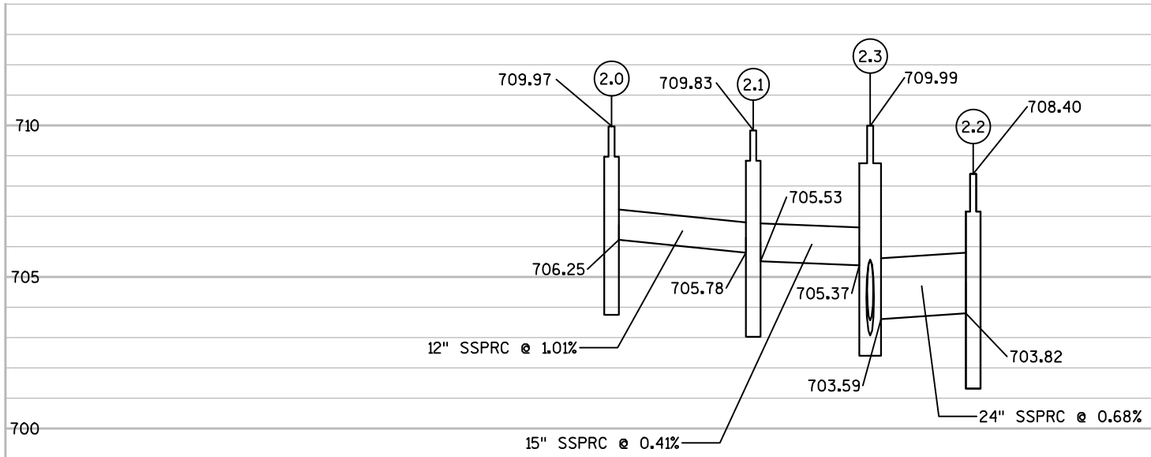
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	EROSION CONTROL	SHEET 94	E

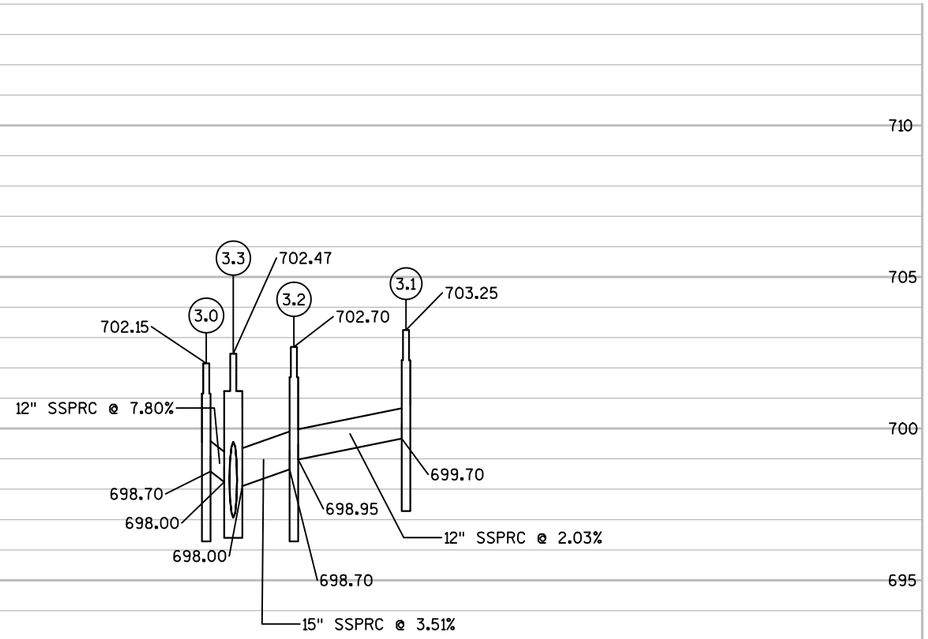




PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 95	E







- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT
- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 96	E

2

4.0 STA 607+85, 30.0' LT
INLETS MEDIAN 1G-MS-A

4.1 STA 608+00, 14.5' LT
CATCH BASINS 4-H

4.3 STA 608+00, 5.5' LT
MANHOLES 6-J-S

4.2 STA 607+69, 14.5' RT
CATCH BASINS 4-H

INSULATION BOARD
POLYSTYRENE, 2-INCH

5.0 STA 609+50, 16.9' LT
CATCH BASINS 2x3-H

5.1 STA 609+50, 5.5' LT
MANHOLES 6-J-S

5.5 STA 610+50, 19.3' LT
CATCH BASINS 2x3-H

5.7 STA 610+50, 5.5' LT
MANHOLES 5-J-S

STA 610+50, 14.5' RT
CATCH BASINS 2x3-H 5.6

CONNECT MANHOLE TO EXISTING 36" CMCP FOR TEMPORARY DRAINAGE. AFTER COMPLETION OF USING STORM SEWER FOR TEMPORARY DRAINAGE, FILL WITH CELLULAR CONCRETE TO ELEVATION 650.10.

STA 612+26, 5.5' LT
MANHOLES 5-J-S 7.0

STA 611+93, 22.5' LT
CATCH BASINS 2x3-H 6.0

STA 611+93, 5.5' LT
MANHOLES 5-J-S 6.2

STA 611+93, 23.5' RT
CATCH BASINS 2x3-H 6.1

CONNECT CATCH BASIN TO EXISTING MANHOLE WITH 18-INCH SSPRC FOR TEMPORARY DRAINAGE. REMOVE PIPE AFTER COMPLETION OF USING PIPE FOR TEMPORARY DRAINAGE.

STA 50+74, 34.8' RT
CATCH BASINS 4-H-S 13.1

STORM SEWER TAP

LEGEND

ROCK TRENCHING SPECIAL

80.1 STA 41+15, 12.5' RT
CATCH BASINS 4-H

80.0 STA 41+30, 12.9' LT
CATCH BASINS 4-B-A

RECONNECT EXISTING 4" PVC PIPE TO PROPOSED STORM SEWER PIPE COMPOSITE 10-INCH

STA 614+89, 33.0' LT
INLETS 2x2-B-A 14.9

CAUTION SHALL BE USED DURING THE INSTALLATION OF STORM SEWER. SANITARY SEWER IS ABOVE PROPOSED STORM SEWER.

STA 614+98, 38.0' LT
INVERT = 622.90

15.1 STA 615+04, 22.5' LT
CATCH BASINS 2x3-H

STA 615+04, 22.5' LT
STORM SEWER PIPE
COMPOSITE 10-INCH

STA 614+89, 22.5' LT
CATCH BASINS 2x3-H 15.0

STA 615+04, 5.5' RT
MANHOLES 5-J-S 15.2

14.0 STA 612+71, 5.5' RT
MANHOLES 7-J-S

INSULATION BOARD
POLYSTYRENE, 2-INCH

EXPOSE EXISTING
WATER MAIN

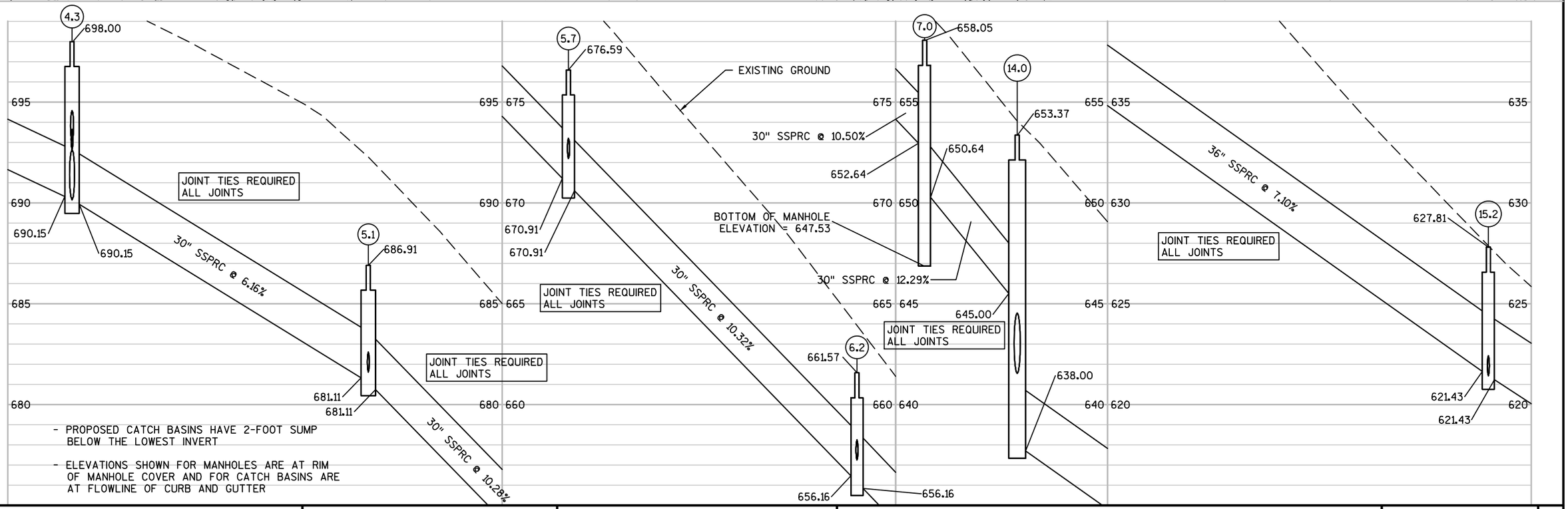
INSTALL TEMPORARY STORM SEWER PLUG IN 36" SSPRC. SEE PROFILE VIEW FOR MORE INFORMATION.

INSULATION BOARD
POLYSTYRENE, 4-INCH

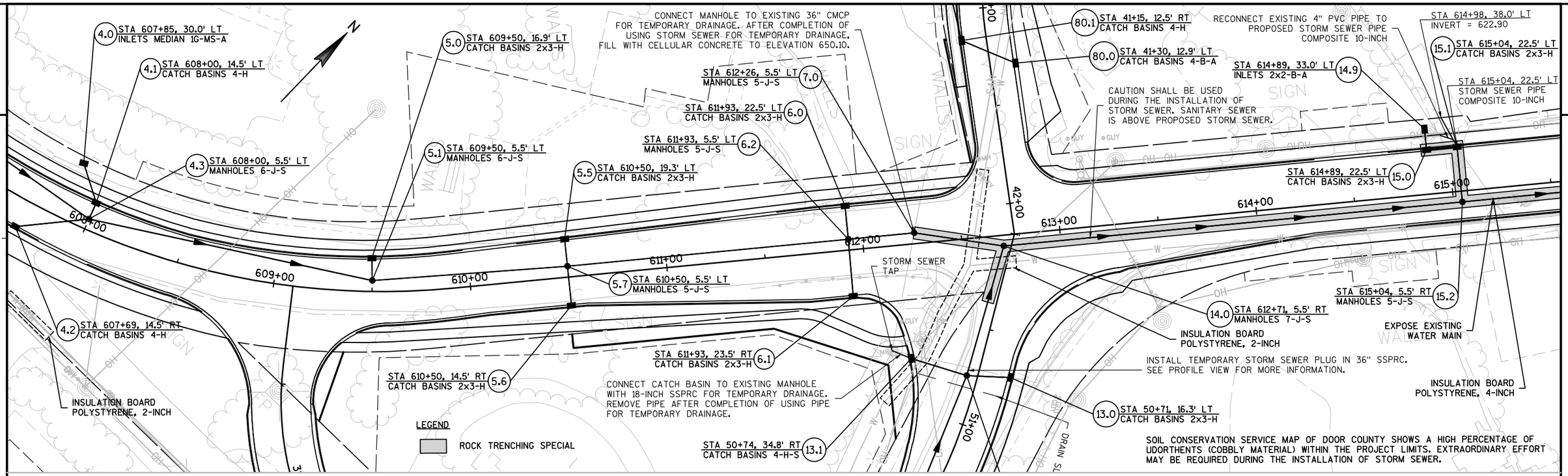
13.0 STA 50+71, 16.3' LT
CATCH BASINS 2x3-H

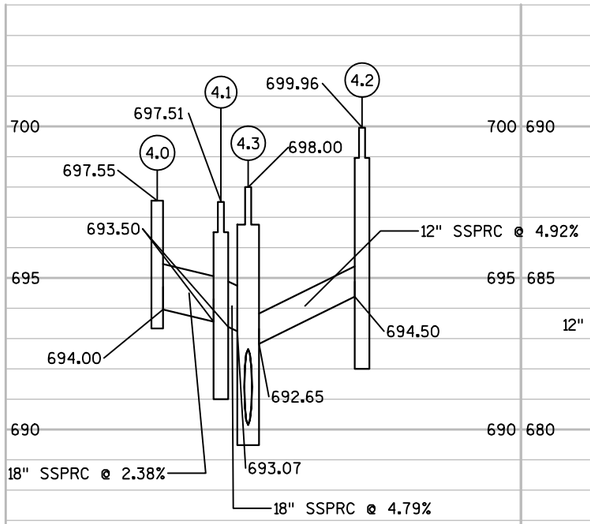
SOIL CONSERVATION SERVICE MAP OF DOOR COUNTY SHOWS A HIGH PERCENTAGE OF UDORTHENTS (COBBLY MATERIAL) WITHIN THE PROJECT LIMITS. EXTRAORDINARY EFFORT MAY BE REQUIRED DURING THE INSTALLATION OF STORM SEWER.

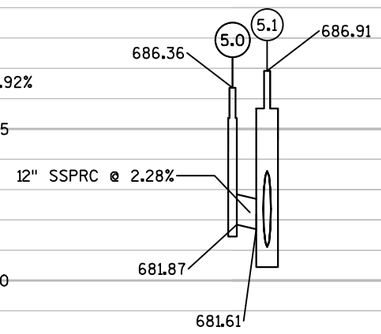
608+00 609+00 610+00 611+00 612+00 613+00 614+00 615+00 42+00 51+00

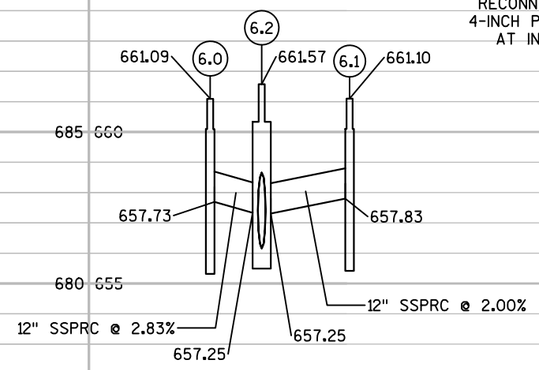


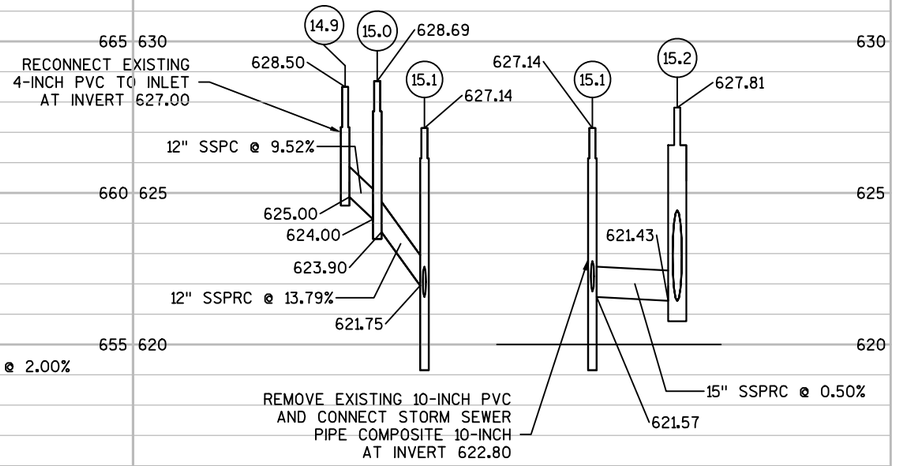
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 97	E





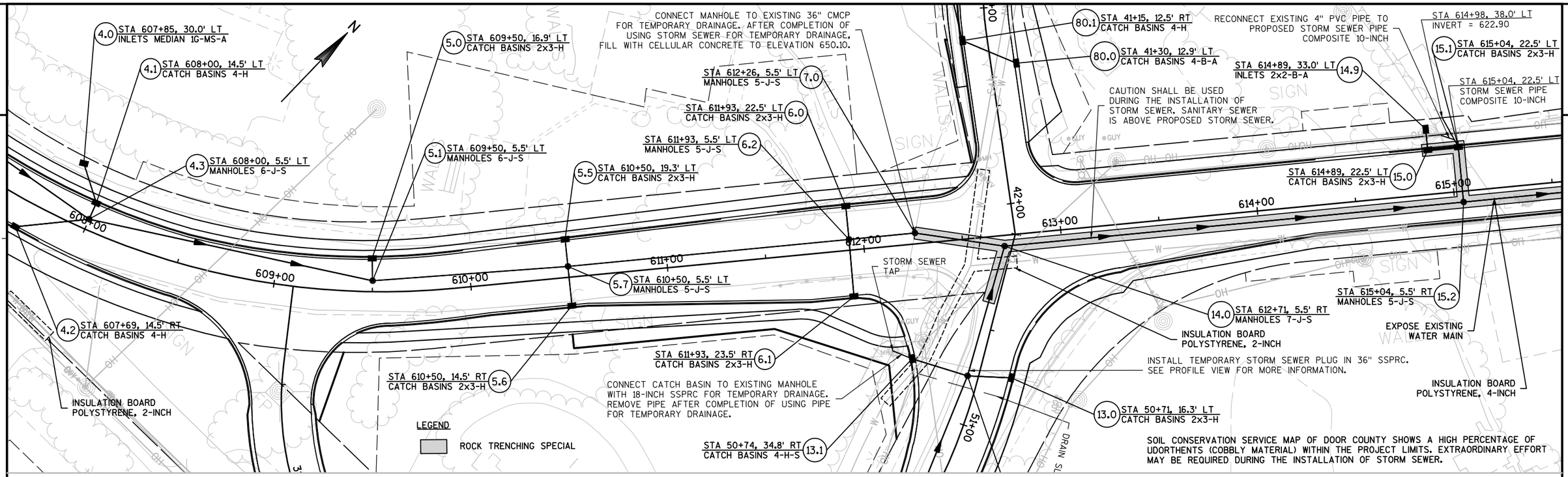


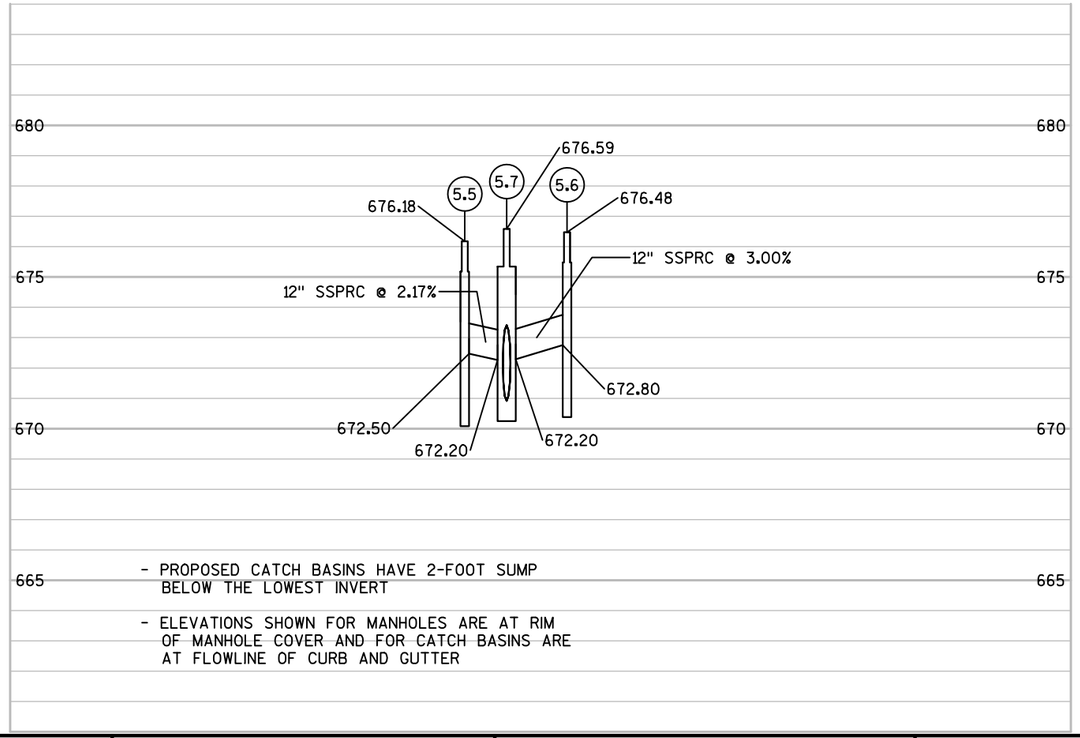




- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT
- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 98	E





PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 99	E

LEGEND

ROCK TRENCHING SPECIAL

RECONNECT EXISTING ROOF DRAIN TO CATCH BASIN

16.0 STA 616+06, 22.5' LT CATCH BASINS 2x3-H

16.1 STA 616+16, 22.5' LT CATCH BASINS 2x3-H

16.2 STA 616+16, 5.5' RT MANHOLES 6-J-S

STORM SEWER PIPE COMPOSITE 8-INCH

STA 619+43, 35.1' LT INVERT = 596.05

18.0 STA 618+29, 22.5' LT CATCH BASINS 2x3-H

19.0 STA 619+61, 22.5' LT CATCH BASINS 4-V

CAUTION SHALL BE USED DURING THE INSTALLATION OF STORM SEWER. SANITARY SEWER IS UNDER PROPOSED STORM SEWER.

20.6 STA 622+56, 27.1' LT MANHOLES 5-J-S

20.5 STA 622+21, 22.5' LT CATCH BASINS 6-H

20.4 STA 622+11, 22.5' LT CATCH BASINS 2x3-H

23.0 STA 622+92, 5.5' LT MANHOLES 10-J-S

EXISTING 30" RCCP (FIELD VERIFY LOCATION)

616+00 617+00 618+00 619+00 620+00 621+00 622+00 623+00

61+03

71+00

INSULATION BOARD POLYSTYRENE, 4-INCH

CONNECT PIPE UNDERDRAIN WRAPPED 4-INCH FROM MODULAR BLOCK WALL TO CATCH BASIN

17.0 STA 616+24, 14.5' RT CATCH BASINS 2x3-H

17.1 STA 616+47, 14.5' RT CATCH BASINS 4-H

17.3 STA 616+70, 14.5' RT MANHOLES 5-J-S

17.4 STA 616+70, 5.5' RT MANHOLES 6-J-S

17.2 STA 70+87, 24.9' LT CATCH BASINS 4-V

EXISTING 12" RCCP

INSULATION BOARD POLYSTYRENE, 4-INCH

CAUTION SHALL BE USED DURING THE INSTALLATION OF STORM SEWER. SANITARY SEWER IS ABOVE PROPOSED STORM SEWER.

18.2 STA 618+29, 5.5' RT MANHOLES 6-J-S

RECONNECT EXISTING LATERAL TO CATCH BASIN

18.1 STA 618+29, 14.5' RT INLETS 2x3-H

INSULATION BOARD POLYSTYRENE, 4-INCH

19.2 STA 619+61, 5.5' RT MANHOLES 6-J-S

19.1 STA 619+61, 14.5' RT CATCH BASINS 2x3-H

RECONNECT EXISTING 15" RCCP TO CATCH BASIN

20.3 STA 622+08, 5.5' RT MANHOLES 10-J-S

EXPOSE EXISTING WATER MAIN

INSULATION BOARD POLYSTYRENE, 4-INCH

EXPOSE EXISTING WATER MAIN

20.1 STA 621+89, 22.5' RT CATCH BASINS 2x3-H

20.2 STA 621+99, 22.5' RT CATCH BASINS 4-H

STORM SEWER PIPE COMPOSITE 8-INCH

STA 621+99, 35.1' RT INVERT = 585.23

22.0 STA 622+24, 5.5' RT MANHOLES 10-J-S

20.0 STA 90+37, 12.2' RT CATCH BASINS 4-H-S

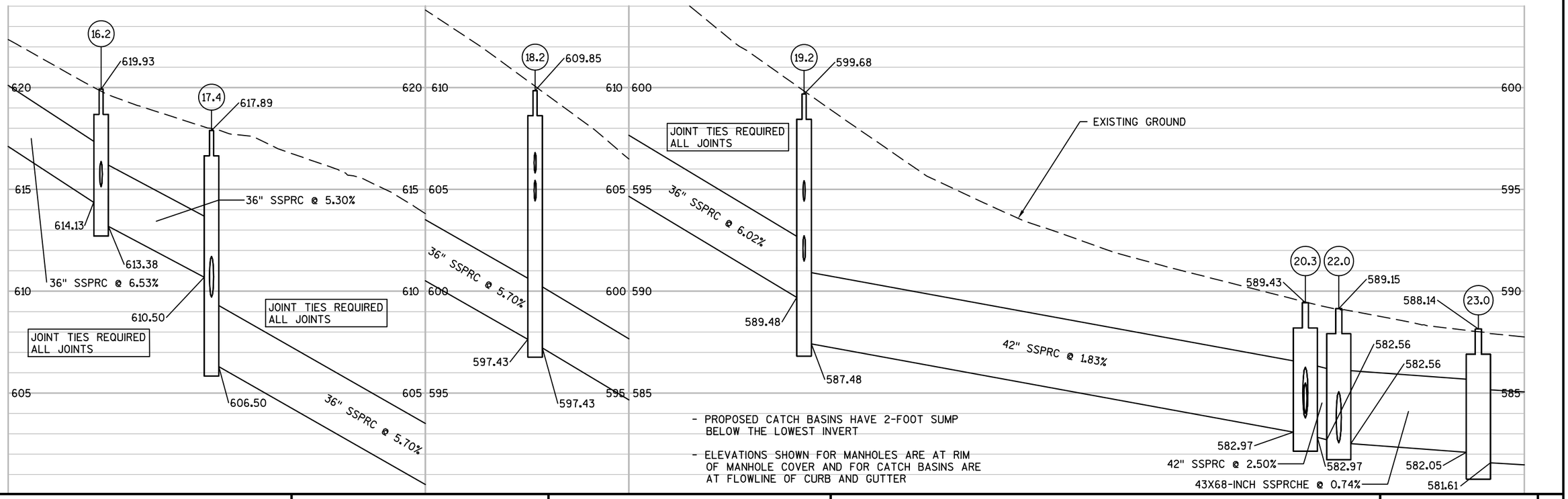
21.1 STA 90+41, 5.2' RT MANHOLES 5-J-S

21.0 STA 90+45, 22.8' LT CATCH BASINS 2x3-H

20.9 STA 90+46, 33.2' LT INLETS MEDIAN 1G-MS-A

EXISTING 30" RCCP (FIELD VERIFY LOCATION)

SOIL CONSERVATION SERVICE MAP OF DOOR COUNTY SHOWS A HIGH PERCENTAGE OF UDORTHENTS (COBBLY MATERIAL) WITHIN THE PROJECT LIMITS. EXTRAORDINARY EFFORT MAY BE REQUIRED DURING THE INSTALLATION OF STORM SEWER.



- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT
- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 100	E

LEGEND

ROCK TRENCHING SPECIAL

RECONNECT EXISTING ROOF DRAIN TO CATCH BASIN

16.1 STA 616+16, 22.5' LT CATCH BASINS 2x3-H

STA 616+06, 22.5' LT CATCH BASINS 2x3-H 16.0

16.2 STA 616+16, 5.5' RT MANHOLES 6-J-S

STORM SEWER PIPE COMPOSITE 8-INCH

STA 619+43, 35.1' LT INVERT = 596.05

18.0 STA 618+29, 22.5' LT CATCH BASINS 2x3-H

19.0 STA 619+61, 22.5' LT CATCH BASINS 4-V

STA 622+56, 27.1' LT MANHOLES 5-J-S 20.6

STA 622+21, 22.5' LT CATCH BASINS 6-H 20.5

STA 622+11, 22.5' LT CATCH BASINS 2x3-H 20.4

STA 622+92, 5.5' LT MANHOLES 10-J-S 23.0

EXISTING 30" RCCP (FIELD VERIFY LOCATION)

CAUTION SHALL BE USED DURING THE INSTALLATION OF STORM SEWER. SANITARY SEWER IS UNDER PROPOSED STORM SEWER.

616+00 617+00 618+00 619+00 620+00 621+00 622+00 623+00

INSULATION BOARD POLYSTYRENE, 4-INCH

INSULATION BOARD POLYSTYRENE, 4-INCH

INSULATION BOARD POLYSTYRENE, 4-INCH

STA 622+08, 5.5' RT MANHOLES 10-J-S 20.3

EXPOSE EXISTING WATER MAIN

INSULATION BOARD POLYSTYRENE, 4-INCH

EXPOSE EXISTING WATER MAIN

STA 621+89, 22.5' RT CATCH BASINS 2x3-H 20.1

CONNECT PIPE UNDERDRAIN WRAPPED 4-INCH FROM MODULAR BLOCK WALL TO CATCH BASIN

CAUTION SHALL BE USED DURING THE INSTALLATION OF STORM SEWER. SANITARY SEWER IS ABOVE PROPOSED STORM SEWER.

18.2 STA 618+29, 5.5' RT MANHOLES 6-J-S

RECONNECT EXISTING LATERAL TO CATCH BASIN

19.2 STA 619+61, 5.5' RT MANHOLES 6-J-S

STA 621+99, 22.5' RT CATCH BASINS 4-H 20.2

STA 616+24, 14.5' RT CATCH BASINS 2x3-H 17.0

STA 616+47, 14.5' RT CATCH BASINS 4-H 17.1

STA 616+70, 14.5' RT MANHOLES 5-J-S 17.3

17.4 STA 616+70, 5.5' RT MANHOLES 6-J-S

18.1 STA 618+29, 14.5' RT INLETS 2x3-H

19.1 STA 619+61, 14.5' RT CATCH BASINS 2x3-H

STORM SEWER PIPE COMPOSITE 8-INCH

STA 621+99, 35.1' RT INVERT = 585.23

STA 622+24, 5.5' RT MANHOLES 10-J-S 22.0

STA 90+45, 22.8' LT CATCH BASINS 2x3-H 21.0

17.2 STA 70+87, 24.9' LT CATCH BASINS 4-V

EXISTING 12" RCCP

RECONNECT EXISTING 15" RCCP TO CATCH BASIN

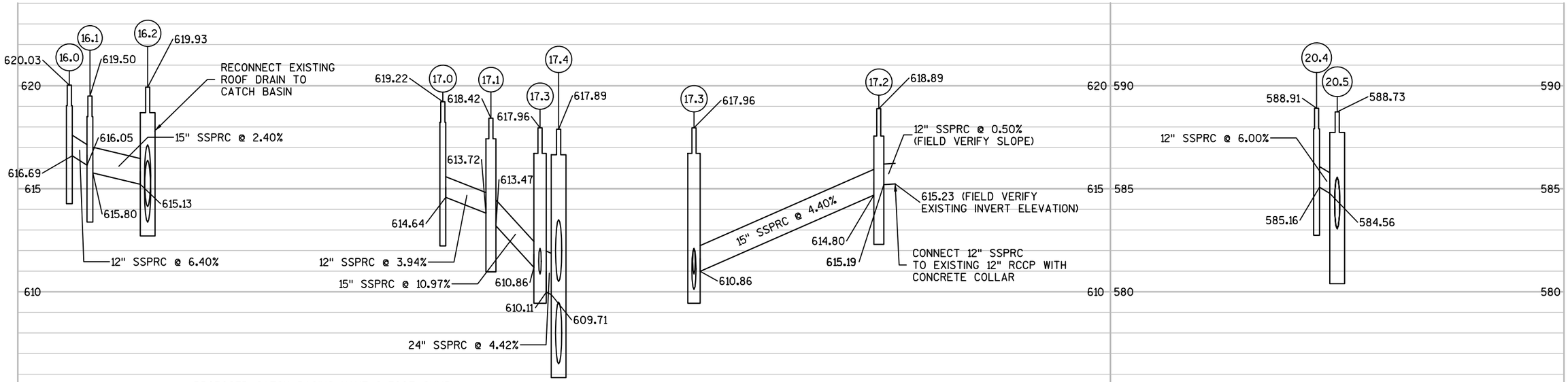
STA 90+37, 12.2' RT CATCH BASINS 4-H-S 20.0

STA 90+46, 33.2' LT INLETS MEDIAN 1G-MS-A 20.9

STA 90+41, 5.2' RT MANHOLES 5-J-S 21.1

EXISTING 30" RCCP (FIELD VERIFY LOCATION)

SOIL CONSERVATION SERVICE MAP OF DOOR COUNTY SHOWS A HIGH PERCENTAGE OF UDORTHENTS (COBBLY MATERIAL) WITHIN THE PROJECT LIMITS. EXTRAORDINARY EFFORT MAY BE REQUIRED DURING THE INSTALLATION OF STORM SEWER.



- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT

- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 101	E

LEGEND

ROCK TRENCHING SPECIAL

STA 616+06, 22.5' LT
CATCH BASINS 2x3-H (16.0)

(16.1) STA 616+16, 22.5' LT
CATCH BASINS 2x3-H

RECONNECT EXISTING ROOF
DRAIN TO CATCH BASIN

(16.2) STA 616+16, 5.5' RT
MANHOLES 6-J-S

STORM SEWER PIPE
COMPOSITE 8-INCH

STA 619+43, 35.1' LT
INVERT = 596.05

(18.0) STA 618+29, 22.5' LT
CATCH BASINS 2x3-H

(19.0) STA 619+61, 22.5' LT
CATCH BASINS 4-V

STA 622+56, 27.1' LT
MANHOLES 5-J-S (20.6)

STA 622+21, 22.5' LT
CATCH BASINS 6-H (20.5)

STA 622+11, 22.5' LT
CATCH BASINS 2x3-H (20.4)

STA 622+92, 5.5' LT
MANHOLES 10-J-S (23.0)

EXISTING 30" RCCP
(FIELD VERIFY LOCATION)

CAUTION SHALL BE USED
DURING THE INSTALLATION OF
STORM SEWER. SANITARY SEWER
IS UNDER PROPOSED STORM SEWER.

INSULATION BOARD
POLYSTYRENE, 4-INCH

INSULATION BOARD
POLYSTYRENE, 4-INCH

STA 622+08, 5.5' RT
MANHOLES 10-J-S (20.3)

EXPOSE EXISTING
WATER MAIN
INSULATION BOARD
POLYSTYRENE, 4-INCH

616+00 617+00 618+00 619+00 620+00 621+00 622+00 623+00

61+03

71+00

INSULATION BOARD
POLYSTYRENE, 4-INCH

CONNECT PIPE UNDERDRAIN
WRAPPED 4-INCH FROM
MODULAR BLOCK WALL
TO CATCH BASIN

STA 616+24, 14.5' RT
CATCH BASINS 2x3-H (17.0)

STA 616+47, 14.5' LT
CATCH BASINS 4-H (17.1)

STA 616+70, 14.5' RT
MANHOLES 5-J-S (17.3)

CAUTION SHALL BE USED
DURING THE INSTALLATION OF
STORM SEWER. SANITARY SEWER
IS ABOVE PROPOSED STORM SEWER.

(17.4) STA 616+70, 5.5' RT
MANHOLES 6-J-S

(17.2) STA 70+87, 24.9' LT
CATCH BASINS 4-V

EXISTING 12" RCCP

(18.2) STA 618+29, 5.5' RT
MANHOLES 6-J-S

RECONNECT EXISTING
LATERAL TO CATCH BASIN

(18.1) STA 618+29, 14.5' RT
INLETS 2x3-H

(19.2) STA 619+61, 5.5' RT
MANHOLES 6-J-S

(19.1) STA 619+61, 14.5' RT
CATCH BASINS 2x3-H

RECONNECT EXISTING
15" RCCP TO CATCH BASIN

STA 621+89, 22.5' RT
CATCH BASINS 2x3-H (20.1)

STA 621+99, 22.5' RT
CATCH BASINS 4-H (20.2)

STORM SEWER PIPE
COMPOSITE 8-INCH

STA 621+99, 35.1' RT
INVERT = 585.23

STA 622+24, 5.5' RT
MANHOLES 10-J-S (22.0)

STA 90+37, 12.2' RT
CATCH BASINS 4-H-S (20.0)

STA 90+41, 5.2' RT
MANHOLES 5-J-S (21.1)

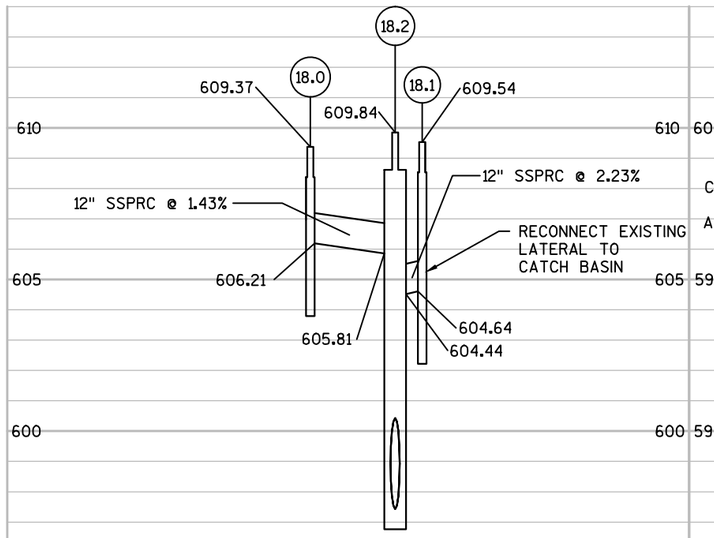
EXPOSE EXISTING
WATER MAIN

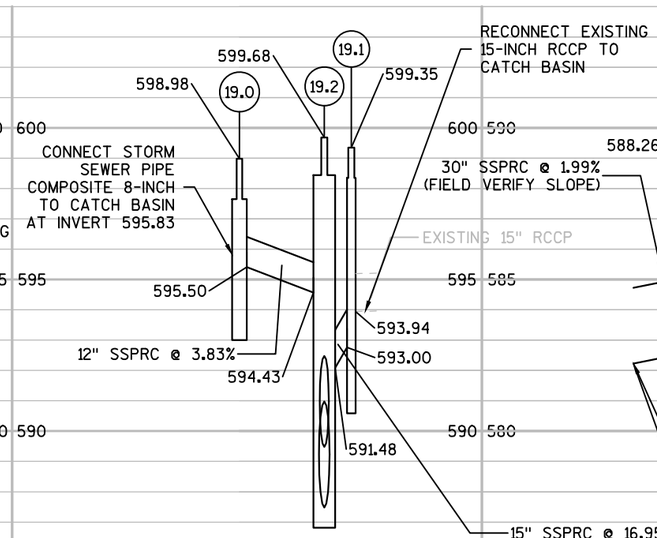
STA 90+45, 22.8' LT
CATCH BASINS 2x3-H (21.0)

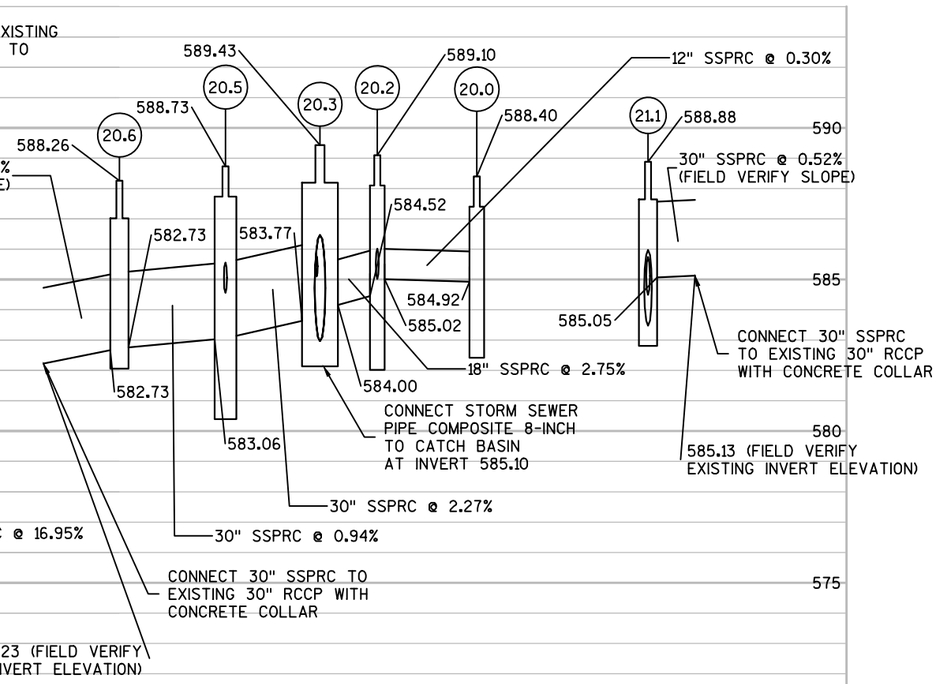
STA 90+46, 33.2' LT
INLETS MEDIAN 1G-MS-A (20.9)

EXISTING 30" RCCP
(FIELD VERIFY LOCATION)

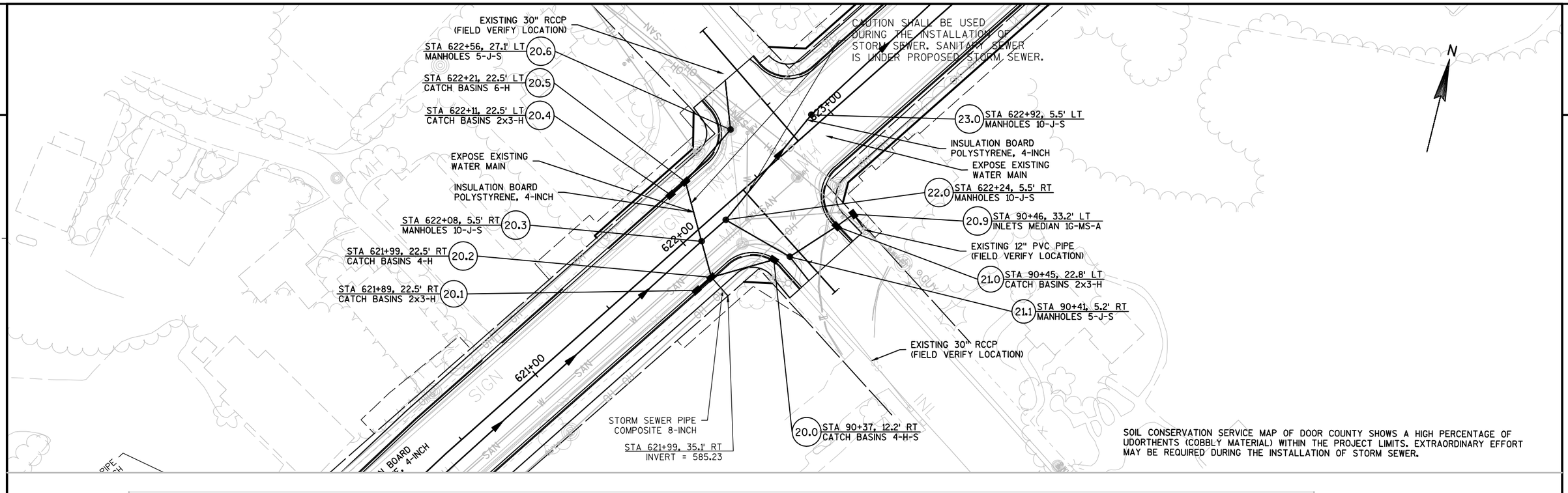
SOIL CONSERVATION SERVICE MAP OF DOOR COUNTY SHOWS A HIGH PERCENTAGE OF UDORTHENTS (COBBLY MATERIAL) WITHIN THE PROJECT LIMITS. EXTRAORDINARY EFFORT MAY BE REQUIRED DURING THE INSTALLATION OF STORM SEWER.

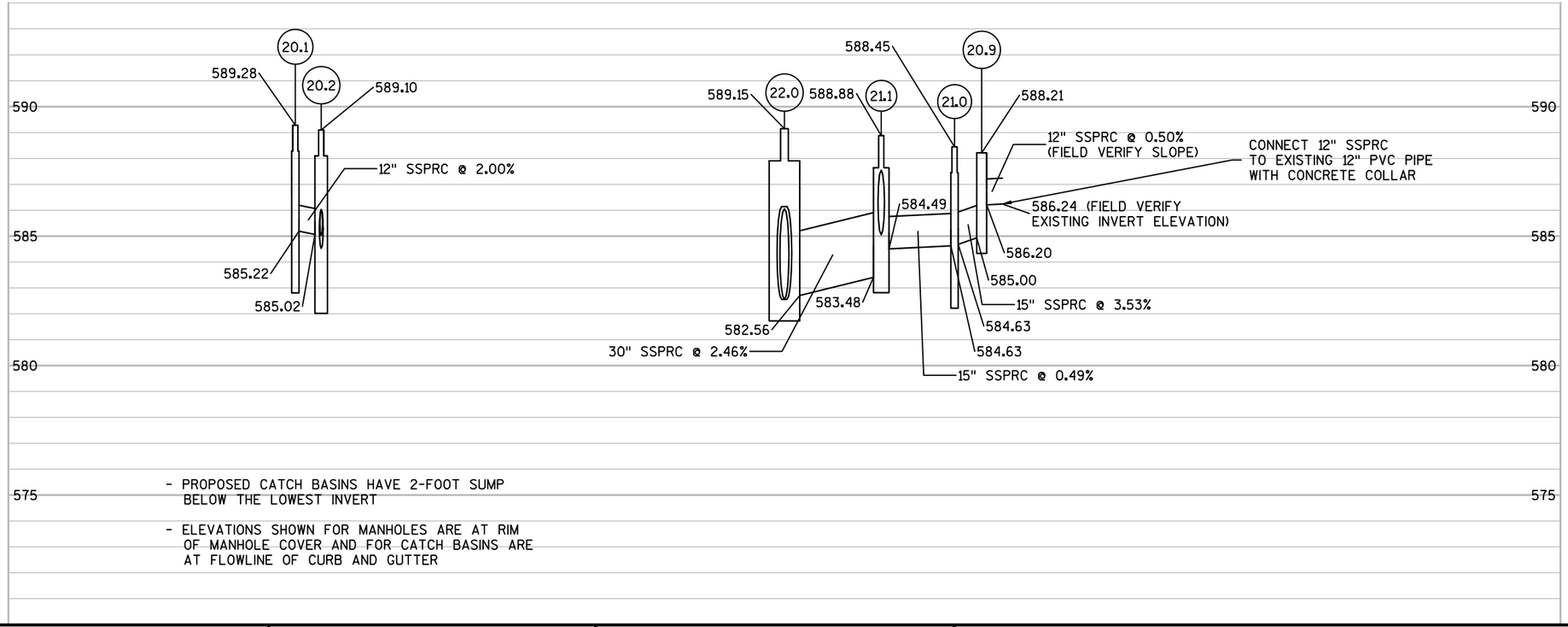




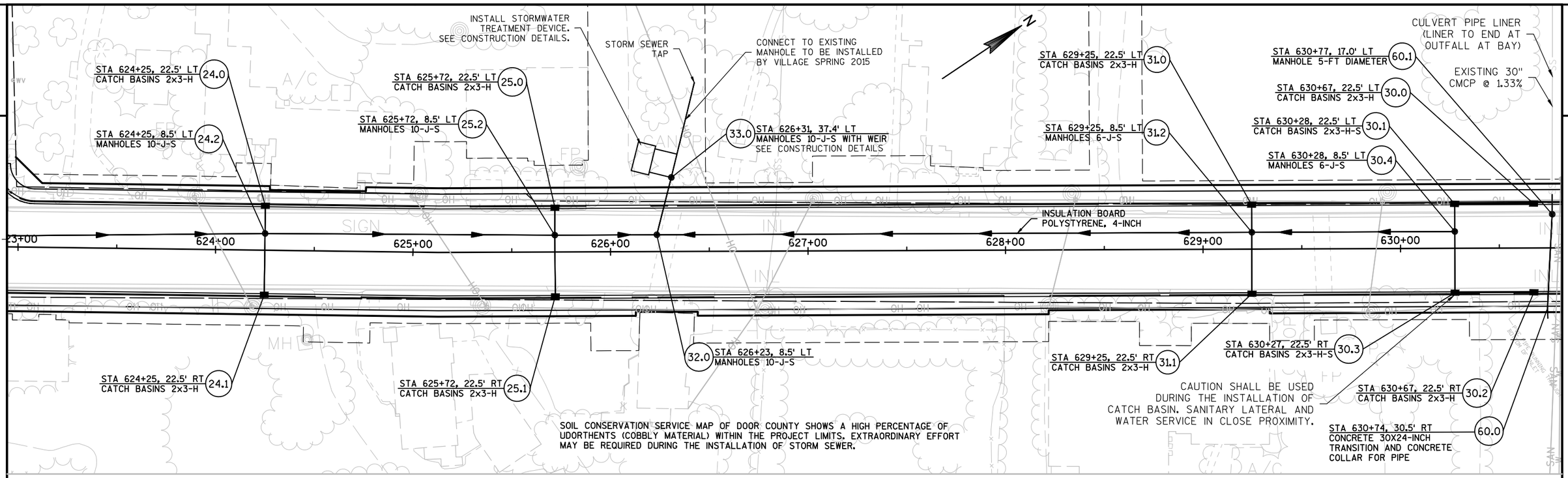


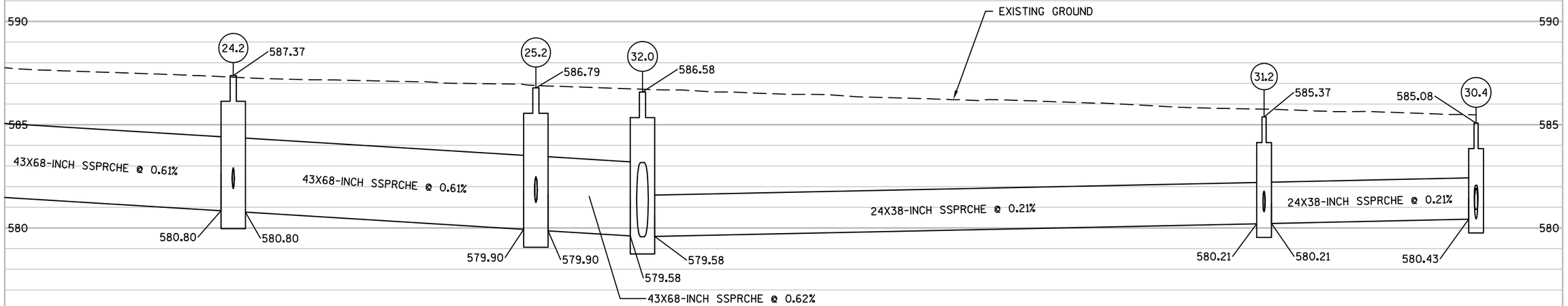
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 102	E





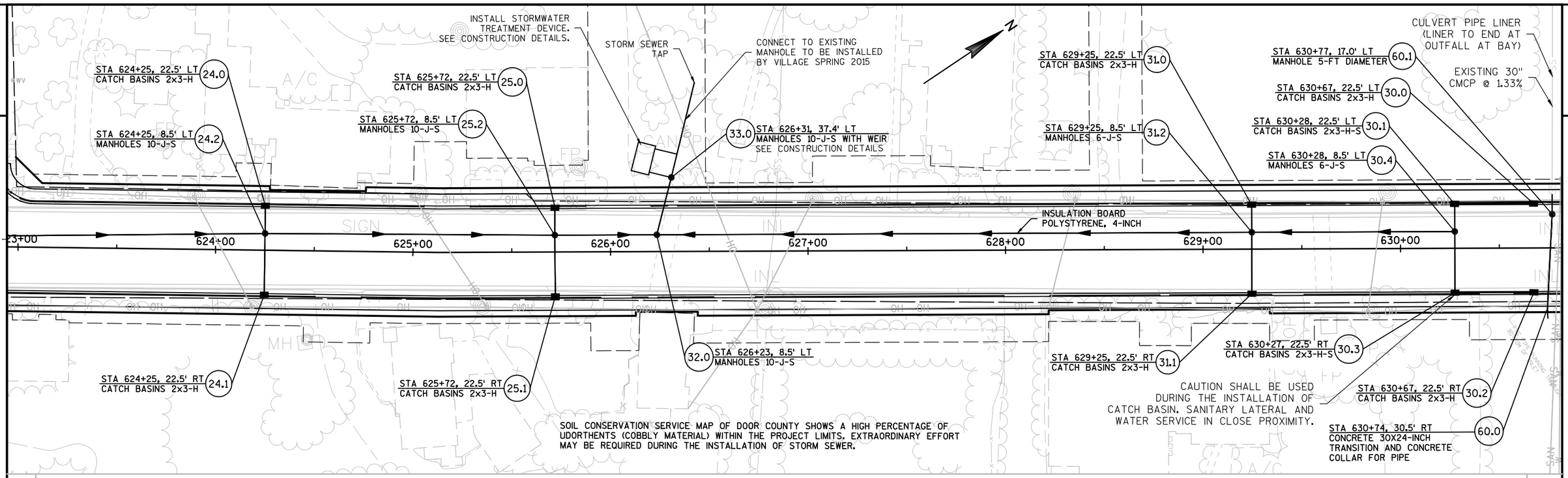
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 103	E

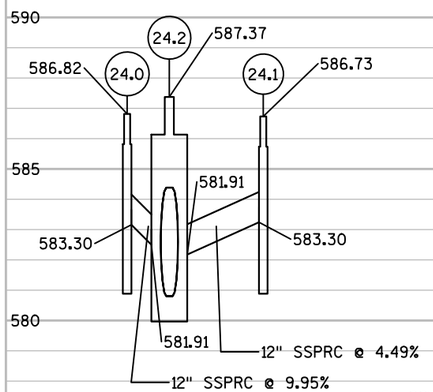


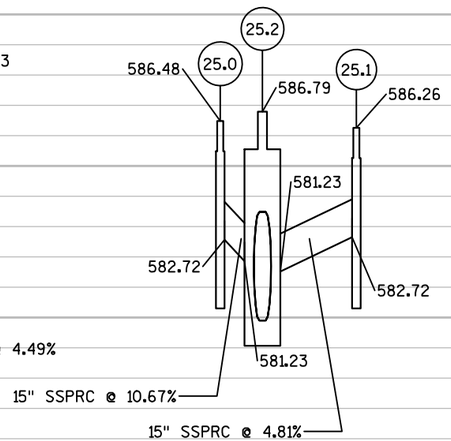


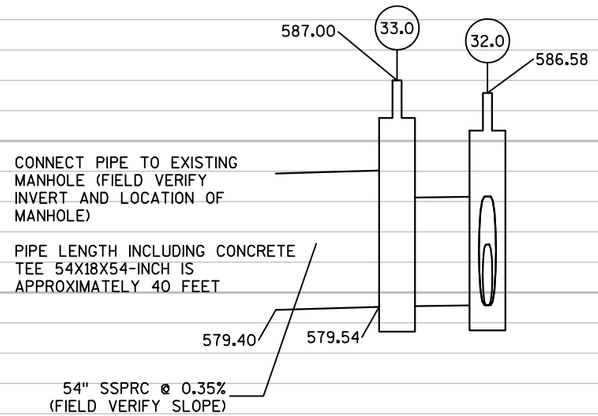
- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT
- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

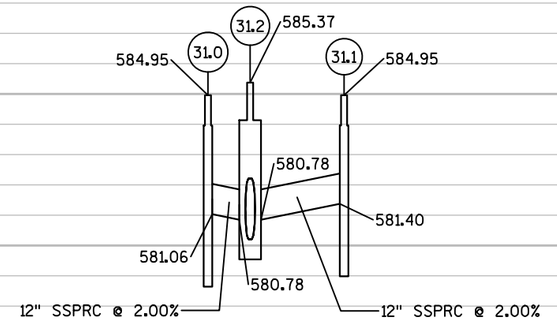
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 104	E





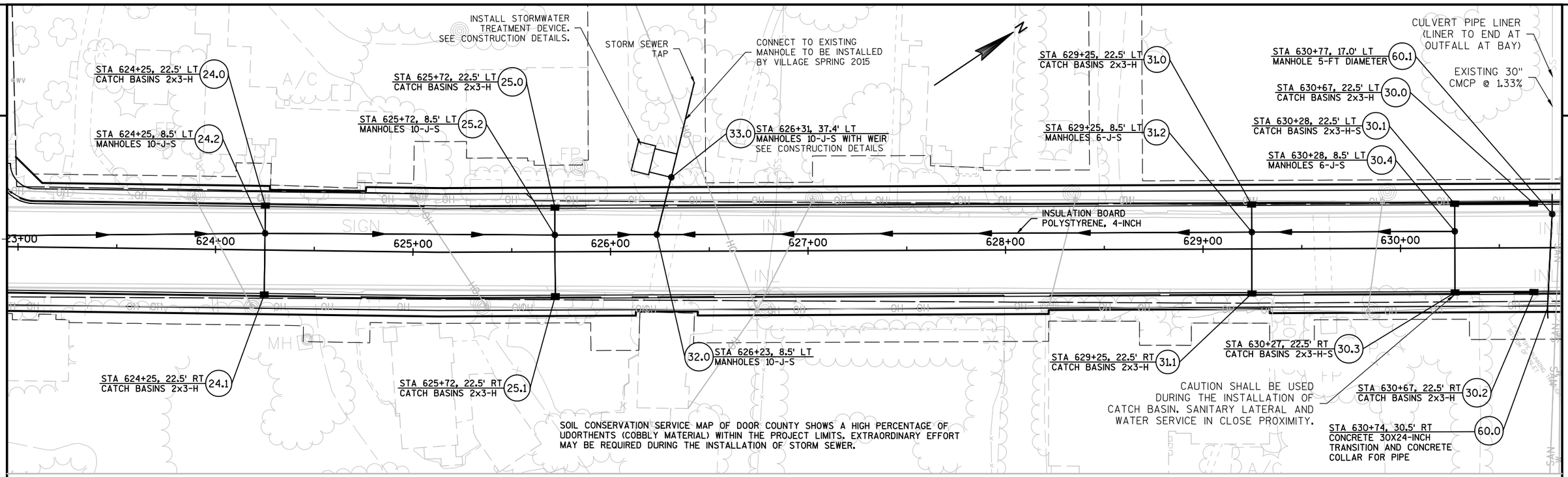


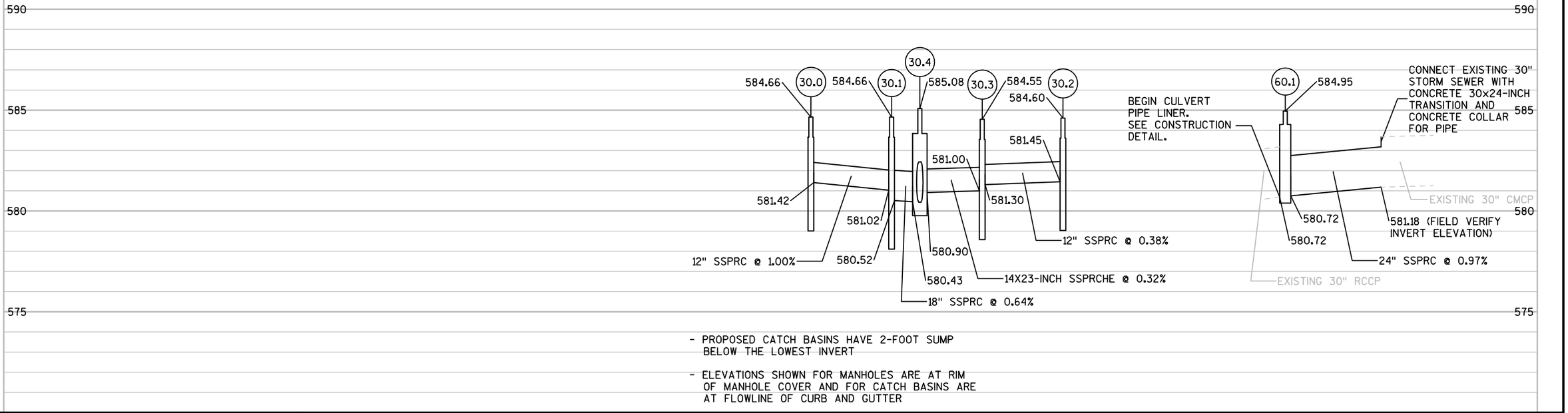




- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT
- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

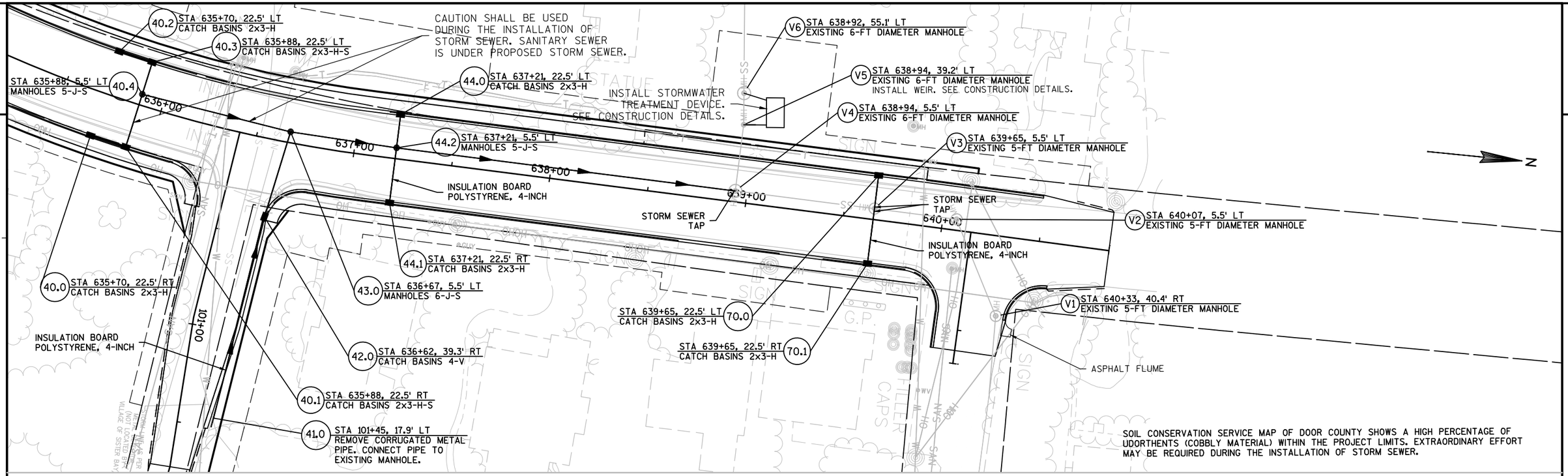
SEE CONSTRUCTION DETAIL FOR STORMWATER TREATMENT DEVICE AT STA 626+17, 47.2 LT DETAIL FOR CONCRETE TEE CONNECTION AND CONNECTION TO STORMWATER TREATMENT DEVICE

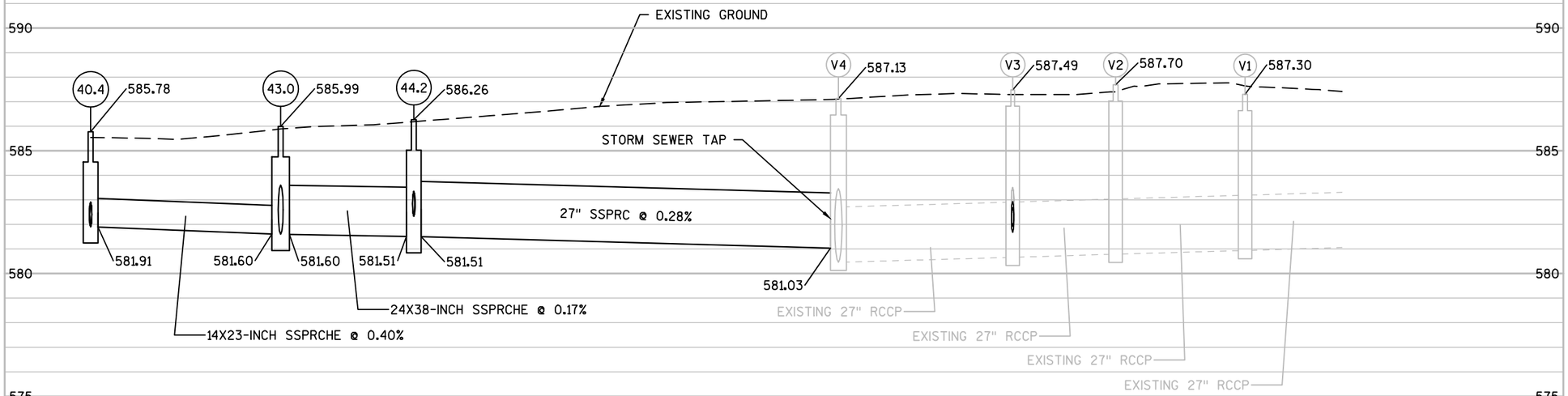




- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT
- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 106	E





- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT
- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 107	E

2

40.2 STA 635+70, 22.5' LT
CATCH BASINS 2x3-H

40.3 STA 635+88, 22.5' LT
CATCH BASINS 2x3-H-S

CAUTION SHALL BE USED DURING THE INSTALLATION OF STORM SEWER. SANITARY SEWER IS UNDER PROPOSED STORM SEWER.

STA 635+88, 5.5' LT
MANHOLES 5-J-S 40.4

636+00

44.0 STA 637+21, 22.5' LT
CATCH BASINS 2x3-H

637+00

44.2 STA 637+21, 5.5' LT
MANHOLES 5-J-S

638+00

INSULATION BOARD
POLYSTYRENE, 4-INCH

639+00

STORM SEWER
TAP

INSTALL STORMWATER TREATMENT DEVICE. SEE CONSTRUCTION DETAILS.

V6 STA 638+92, 55.1' LT
EXISTING 6-FT DIAMETER MANHOLE

V5 STA 638+94, 39.2' LT
EXISTING 6-FT DIAMETER MANHOLE
INSTALL WEIR. SEE CONSTRUCTION DETAILS.

V4 STA 638+94, 5.5' LT
EXISTING 6-FT DIAMETER MANHOLE

V3 STA 639+65, 5.5' LT
EXISTING 5-FT DIAMETER MANHOLE

STORM SEWER
TAP

640+00

V2 STA 640+07, 5.5' LT
EXISTING 5-FT DIAMETER MANHOLE

INSULATION BOARD
POLYSTYRENE, 4-INCH

44.1 STA 637+21, 22.5' RT
CATCH BASINS 2x3-H

40.0 STA 635+70, 22.5' RT
CATCH BASINS 2x3-H

43.0 STA 636+67, 5.5' LT
MANHOLES 6-J-S

STA 639+65, 22.5' LT
CATCH BASINS 2x3-H 70.0

STA 639+65, 22.5' RT
CATCH BASINS 2x3-H 70.1

V1 STA 640+33, 40.4' RT
EXISTING 5-FT DIAMETER MANHOLE

INSULATION BOARD
POLYSTYRENE, 4-INCH

101+00

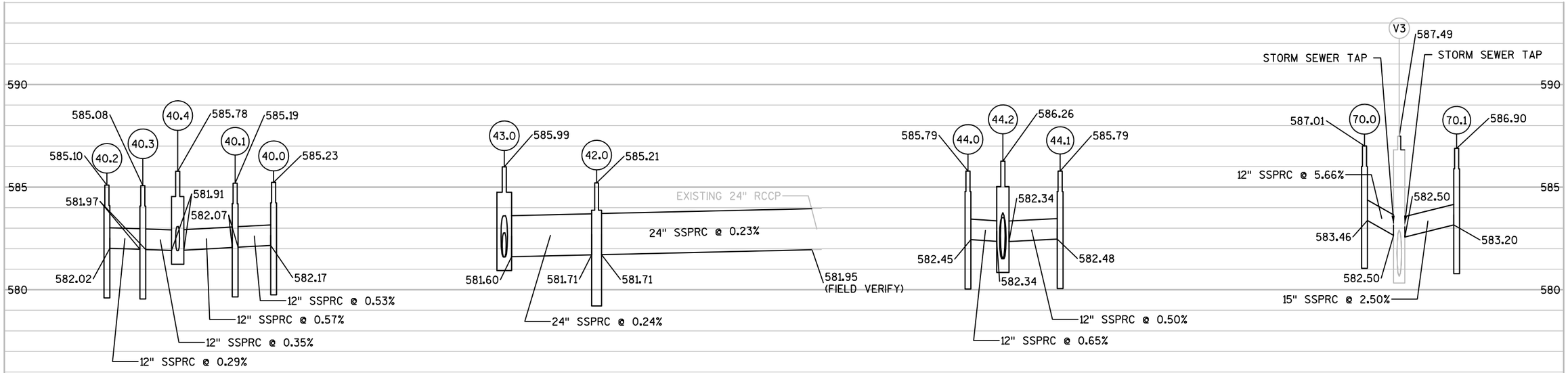
42.0 STA 636+62, 39.3' RT
CATCH BASINS 4-V

ASPHALT FLUME

40.1 STA 635+88, 22.5' RT
CATCH BASINS 2x3-H-S

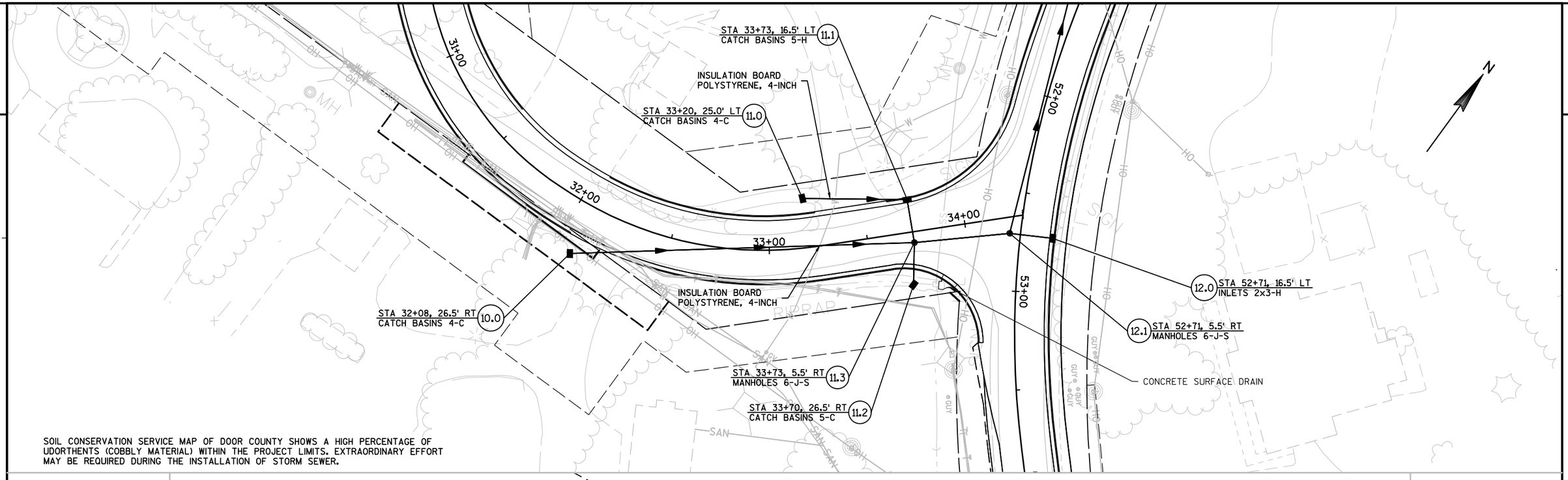
41.0 STA 101+45, 17.9' LT
REMOVE CORRUGATED METAL PIPE. CONNECT PIPE TO EXISTING MANHOLE.

SOIL CONSERVATION SERVICE MAP OF DOOR COUNTY SHOWS A HIGH PERCENTAGE OF UDORTHENTS (COBBLY MATERIAL) WITHIN THE PROJECT LIMITS. EXTRAORDINARY EFFORT MAY BE REQUIRED DURING THE INSTALLATION OF STORM SEWER.

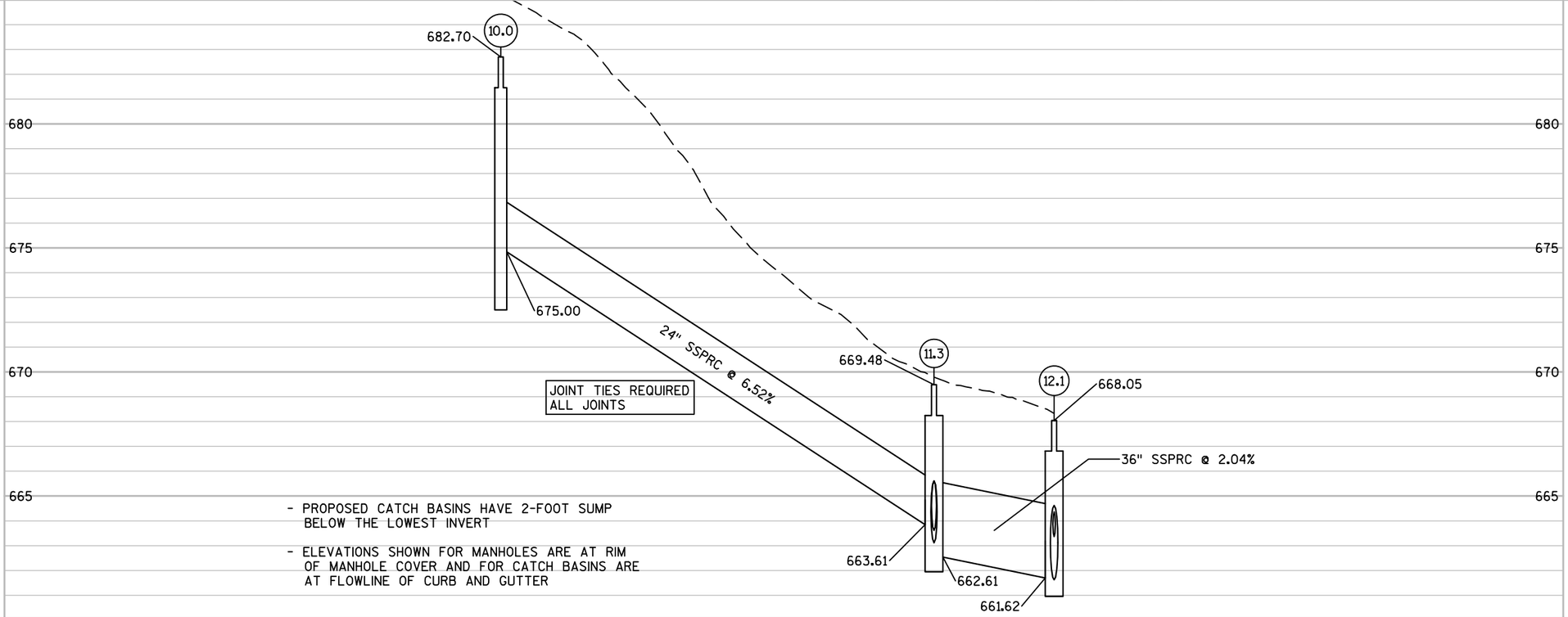


- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT
- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

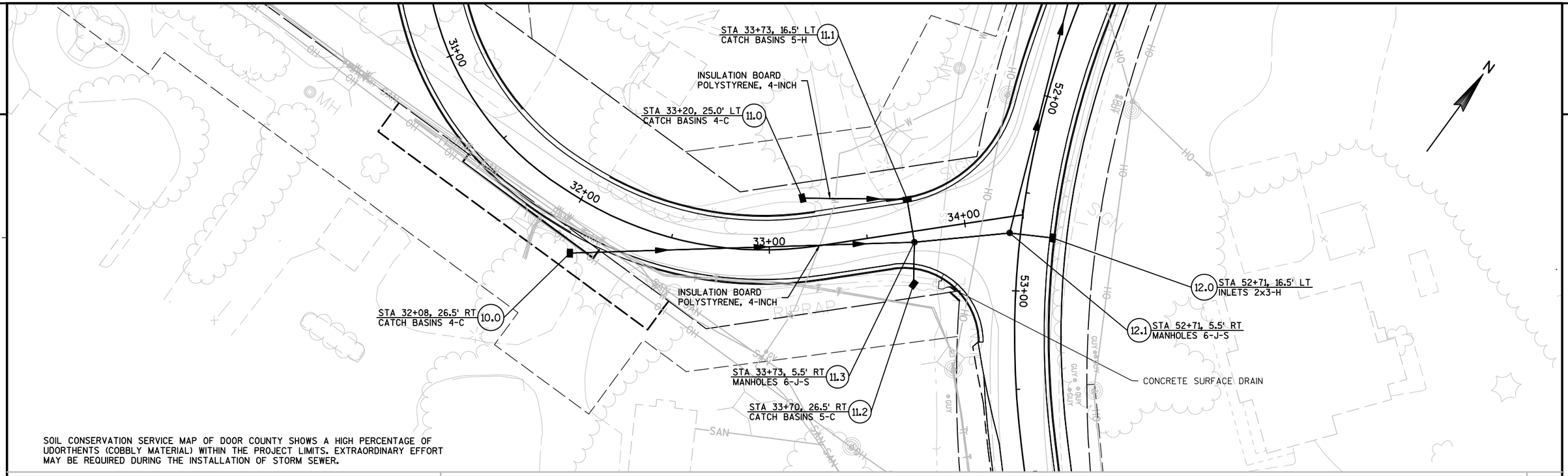
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 108	E



SOIL CONSERVATION SERVICE MAP OF DOOR COUNTY SHOWS A HIGH PERCENTAGE OF UDORTHENTS (COBBLY MATERIAL) WITHIN THE PROJECT LIMITS. EXTRAORDINARY EFFORT MAY BE REQUIRED DURING THE INSTALLATION OF STORM SEWER.



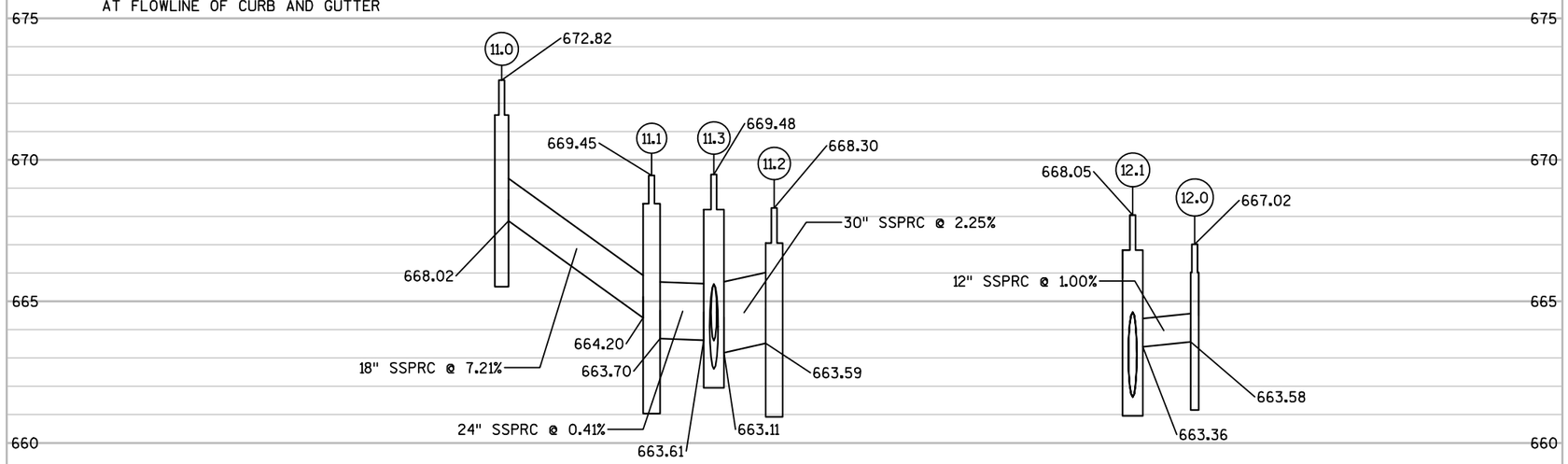
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 109	E



SOIL CONSERVATION SERVICE MAP OF DOOR COUNTY SHOWS A HIGH PERCENTAGE OF UDORTHENTS (COBBLY MATERIAL) WITHIN THE PROJECT LIMITS. EXTRAORDINARY EFFORT MAY BE REQUIRED DURING THE INSTALLATION OF STORM SEWER.

- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT

- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 110	E

2

LEGEND

ROCK TRENCHING SPECIAL

N

14.0 STA 612+71, 5.5' RT
MANHOLES 7-J-S

INSULATION BOARD
POLYSTYRENE, 2-INCH

INSTALL TEMPORARY STORM SEWER PLUG IN 36" SSPRC.
SEE PROFILE VIEW FOR MORE INFORMATION.

CAUTION SHALL BE USED DURING THE INSTALLATION OF STORM SEWER. SANITARY SEWER IS ABOVE PROPOSED STORM SEWER.

13.0 STA 50+71, 16.3' LT
CATCH BASINS 2x3-H

DRAIN SLOTTED VANE

13.2 STA 50+75, 5.5' RT
MANHOLES 7-J-S

12.0 STA 52+71, 16.5' LT
INLETS 2x3-H

12.1 STA 52+71, 5.5' RT
MANHOLES 6-J-S

STA 41+30, 12.9' LT
CATCH BASINS 4-B-A 80.0

STA 41+15, 12.5' RT
CATCH BASINS 4-H 80.1

614+00
613+00
42+00
51+00
52+00
53+00
54+00
55+00
56+00
41+00
34+00
42+00

STORM SEWER TAP

13.1 STA 50+74, 34.8' RT
CATCH BASINS 4-H-S

CONNECT CATCH BASIN TO EXISTING MANHOLE WITH 18-INCH SSPRC FOR TEMPORARY DRAINAGE. REMOVE PIPE AFTER COMPLETION OF USING PIPE FOR TEMPORARY DRAINAGE.

CONNECT MANHOLE TO EXISTING 36" CMCP FOR TEMPORARY DRAINAGE. AFTER COMPLETION OF USING STORM SEWER FOR TEMPORARY DRAINAGE, FILL WITH CELLULAR CONCRETE TO ELEVATION 650.10.

STA 612+26, 5.5' LT
MANHOLES 5-J-S 7.0

6.1 STA 611+93, 23.5' RT
CATCH BASINS 2x3-H

STA 33+73, 16.5' LT
CATCH BASINS 5-H 11.1

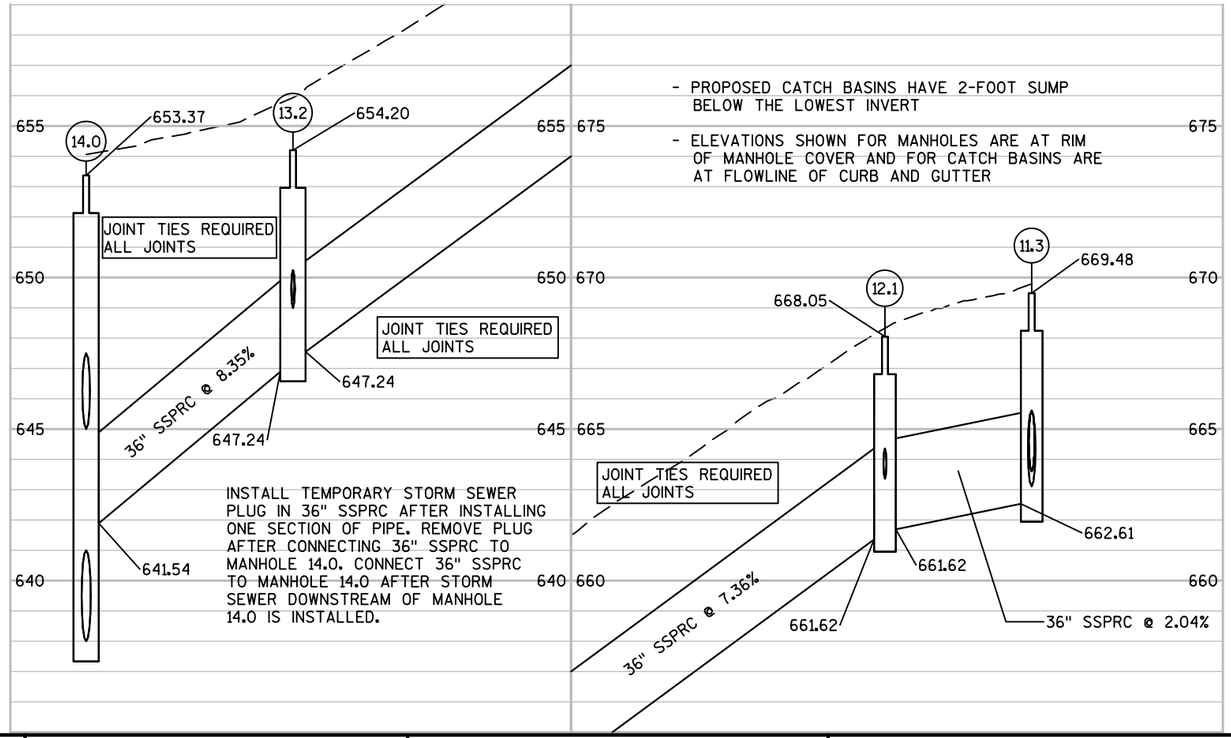
CONCRETE SURFACE DRAIN

11.2 STA 33+70, 26.5' RT
CATCH BASINS 5-C

11.3 STA 33+73, 5.5' RT
MANHOLES 6-J-S

INSULATION BOARD
POLYSTYRENE, 2-INCH

SOIL CONSERVATION SERVICE MAP OF DOOR COUNTY SHOWS A HIGH PERCENTAGE OF UDORTHENTS (COBBLY MATERIAL) WITHIN THE PROJECT LIMITS. EXTRAORDINARY EFFORT MAY BE REQUIRED DURING THE INSTALLATION OF STORM SEWER.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 111	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\46100600_STORM SEWER.DWG
LAYOUT NAME - 7A
PLOT DATE : 3/1/2015 10:57 AM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 50'_XREF
WISDOT/CADDS SHEET 41

2

LEGEND

ROCK TRENCHING SPECIAL

N

14.0 STA 612+71, 5.5' RT
MANHOLES 7-J-S

INSULATION BOARD
POLYSTYRENE, 2-INCH

INSTALL TEMPORARY STORM SEWER PLUG IN 36" SSPRC.
SEE PROFILE VIEW FOR MORE INFORMATION.

CAUTION SHALL BE USED
DURING THE INSTALLATION OF
STORM SEWER. SANITARY SEWER
IS ABOVE PROPOSED STORM SEWER.

13.0 STA 50+71, 16.3' LT
CATCH BASINS 2x3-H

DRAIN SLOTTED VANE

13.2 STA 50+75, 5.5' RT
MANHOLES 7-J-S

12.0 STA 52+71, 16.5' LT
INLETS 2x3-H

STA 41+30, 12.9' LT
CATCH BASINS 4-B-A 80.0

STA 41+15, 12.5' RT
CATCH BASINS 4-H 80.1

12.1 STA 52+71, 5.5' RT
MANHOLES 6-J-S

614+00
613+00
42+00
51+00
52+00
53+00
54+00
55+00
56+00
41+00
34+00
42+00

STORM SEWER
TAP

13.1 STA 50+74, 34.8' RT
CATCH BASINS 4-H-S

CONNECT CATCH BASIN TO EXISTING MANHOLE
WITH 18-INCH SSPRC FOR TEMPORARY DRAINAGE.
REMOVE PIPE AFTER COMPLETION OF USING PIPE
FOR TEMPORARY DRAINAGE.

CONNECT MANHOLE TO EXISTING 36" CMCP
FOR TEMPORARY DRAINAGE. AFTER COMPLETION OF
USING STORM SEWER FOR TEMPORARY DRAINAGE,
FILL WITH CELLULAR CONCRETE TO ELEVATION 650.10.

STA 612+26, 5.5' LT
MANHOLES 5-J-S 7.0

6.1 STA 611+93, 23.5' RT
CATCH BASINS 2x3-H

STA 33+73, 16.5' LT
CATCH BASINS 5-H 11.1

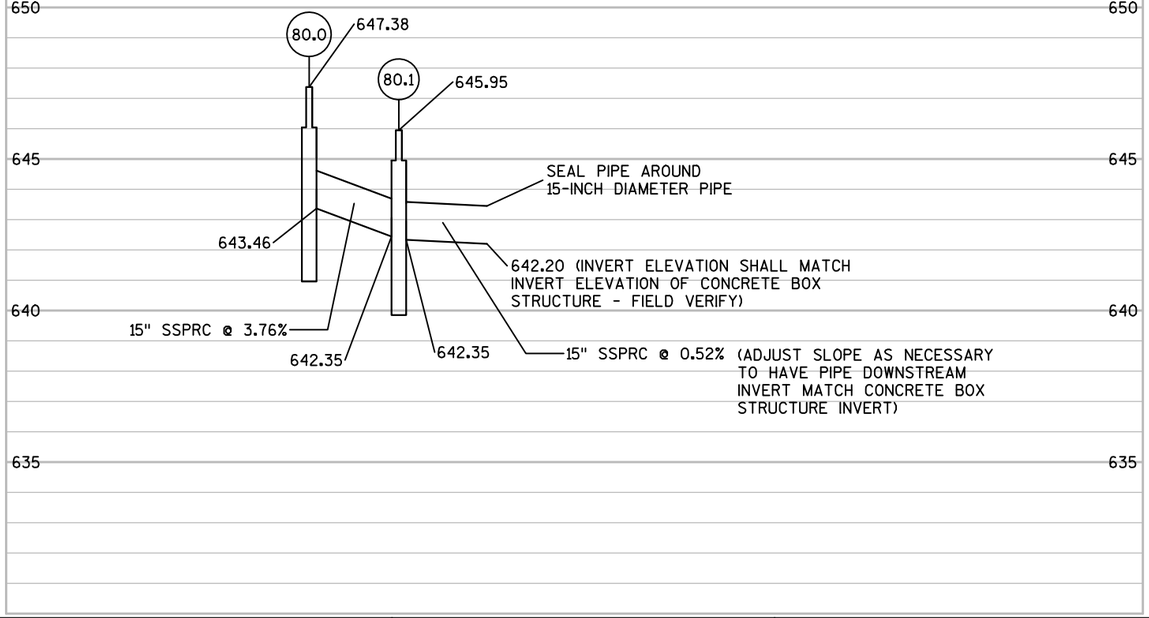
CONCRETE SURFACE DRAIN

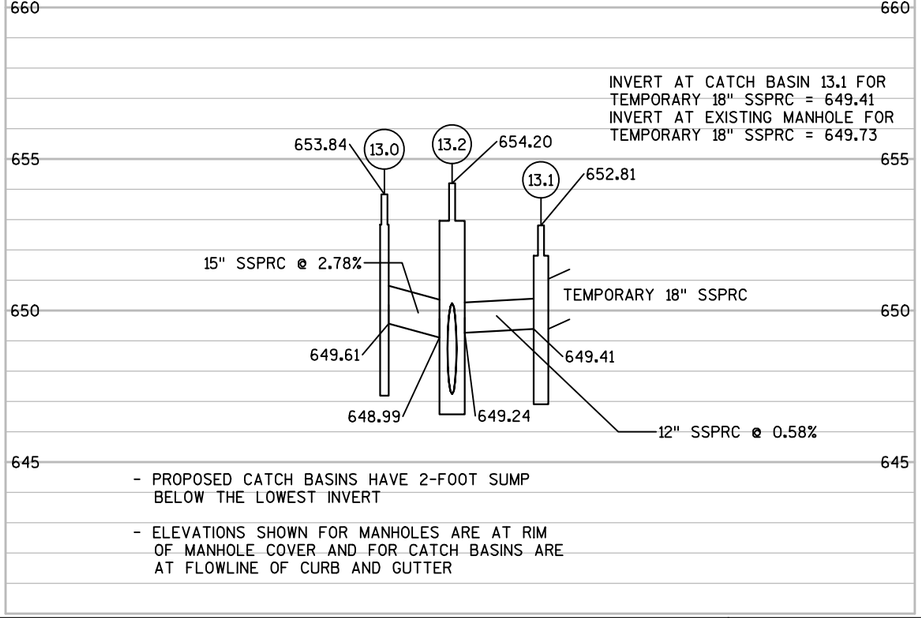
11.2 STA 33+70, 26.5' RT
CATCH BASINS 5-C

11.3 STA 33+73, 5.5' RT
MANHOLES 6-J-S

INSULATION BOARD
POLYSTYRENE, 2-INCH

SOIL CONSERVATION SERVICE MAP OF DOOR COUNTY SHOWS A HIGH PERCENTAGE OF UDORTHENTS (COBBLY MATERIAL) WITHIN THE PROJECT LIMITS. EXTRAORDINARY EFFORT MAY BE REQUIRED DURING THE INSTALLATION OF STORM SEWER.

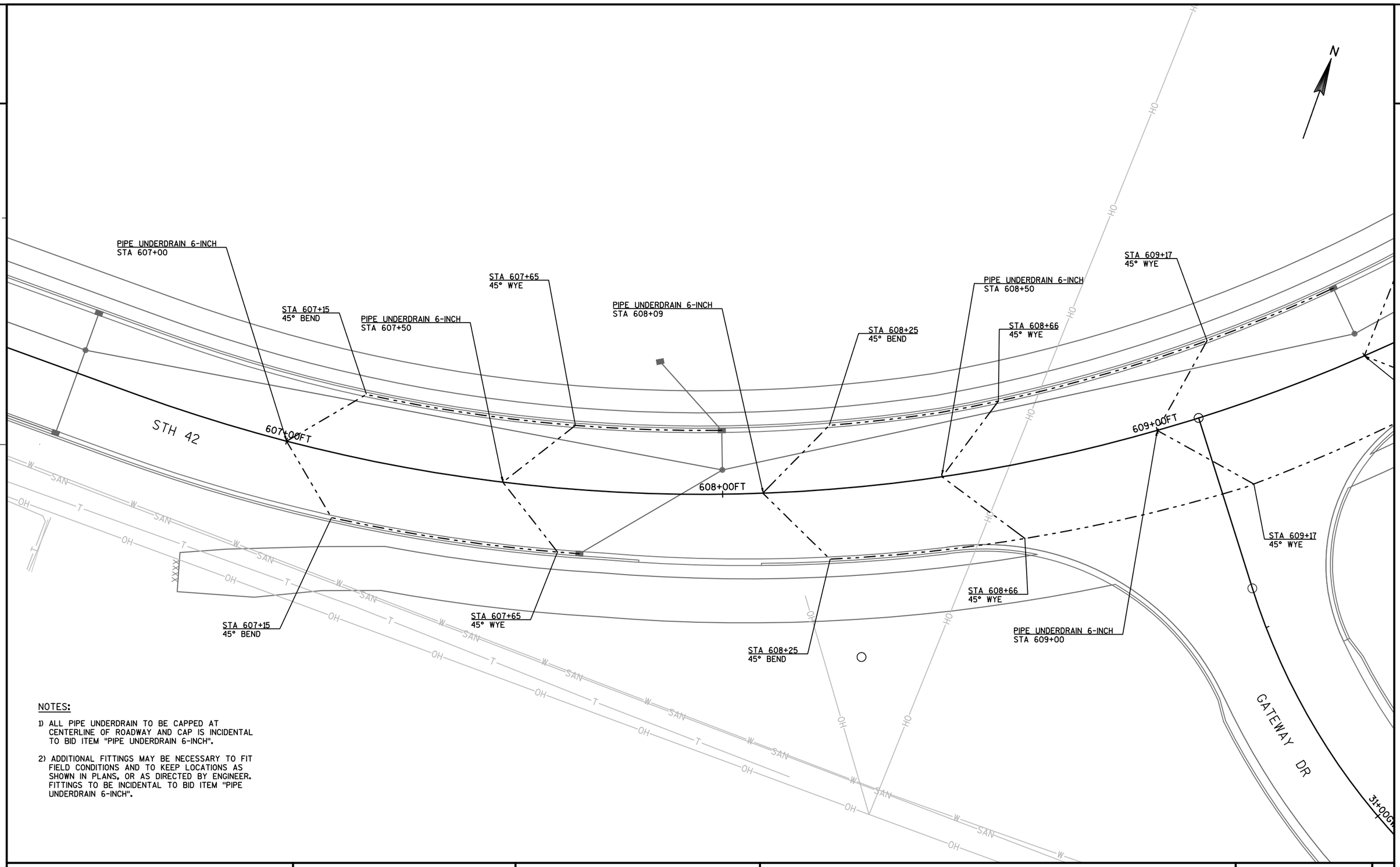




- PROPOSED CATCH BASINS HAVE 2-FOOT SUMP BELOW THE LOWEST INVERT
- ELEVATIONS SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	STORM SEWER	SHEET 112	E

2



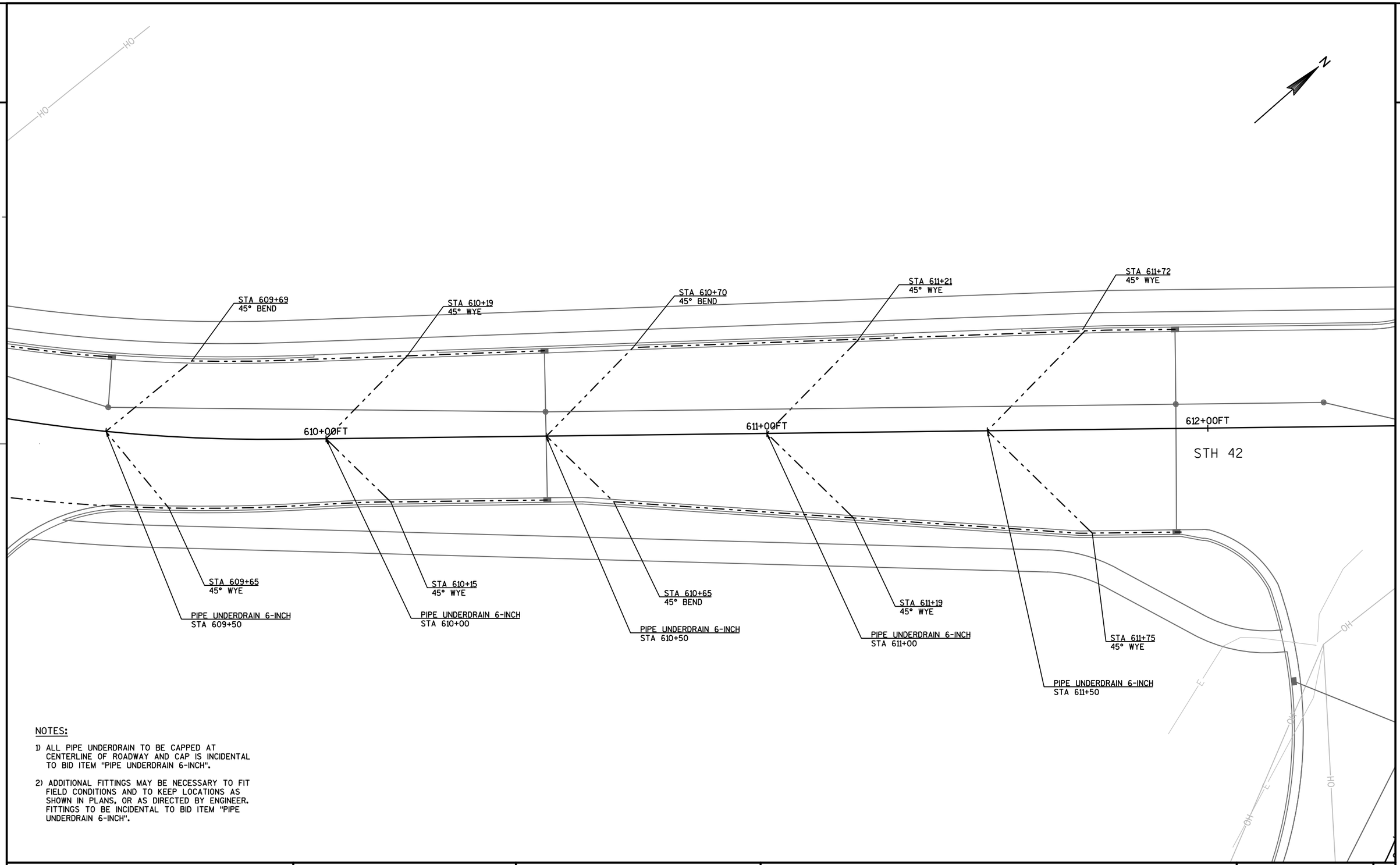
NOTES:

1) ALL PIPE UNDERDRAIN TO BE CAPPED AT CENTERLINE OF ROADWAY AND CAP IS INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

2) ADDITIONAL FITTINGS MAY BE NECESSARY TO FIT FIELD CONDITIONS AND TO KEEP LOCATIONS AS SHOWN IN PLANS, OR AS DIRECTED BY ENGINEER. FITTINGS TO BE INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PIPE UNDERDRAIN	SHEET 113	E

2

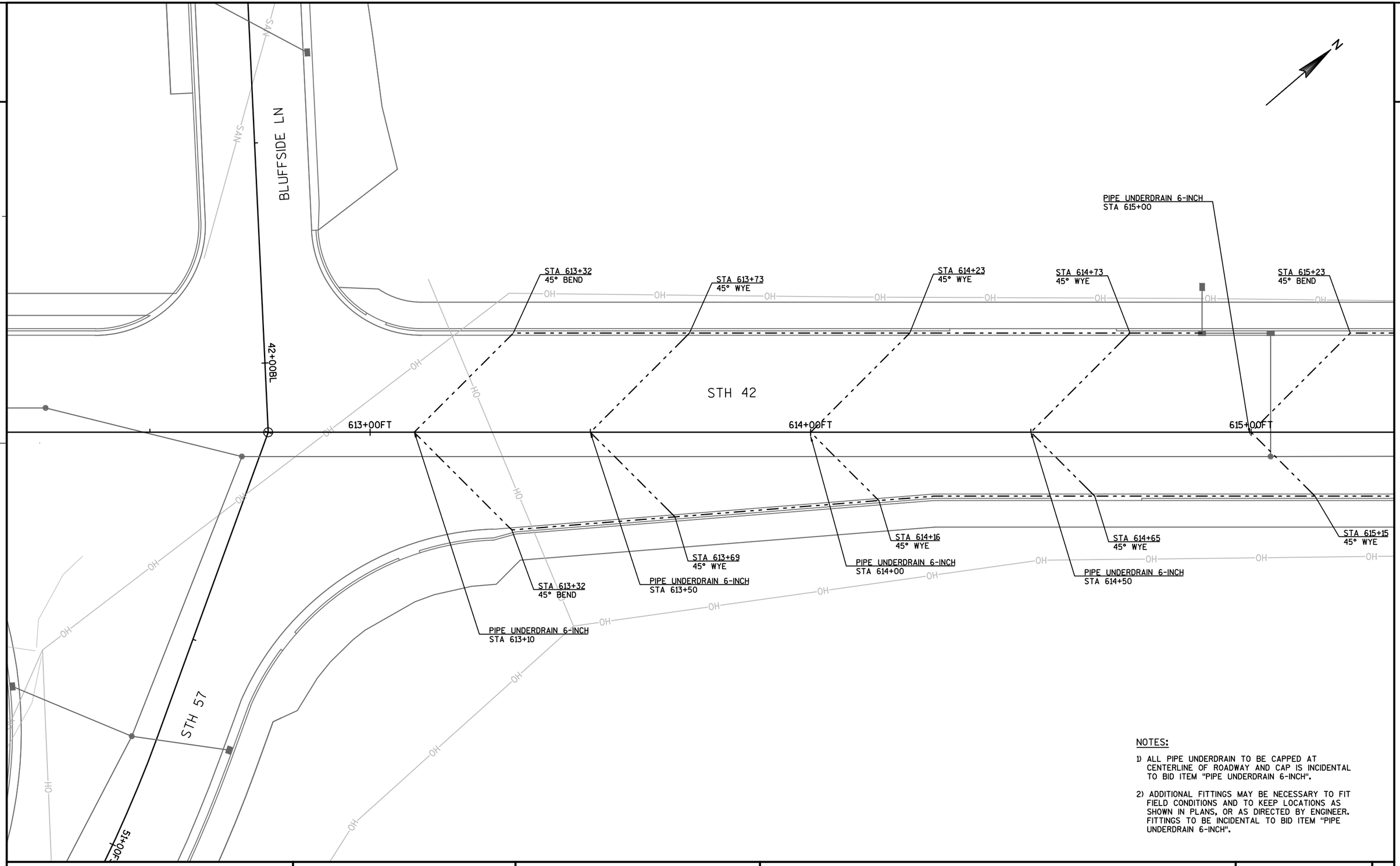


NOTES:

1) ALL PIPE UNDERDRAIN TO BE CAPPED AT CENTERLINE OF ROADWAY AND CAP IS INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

2) ADDITIONAL FITTINGS MAY BE NECESSARY TO FIT FIELD CONDITIONS AND TO KEEP LOCATIONS AS SHOWN IN PLANS, OR AS DIRECTED BY ENGINEER. FITTINGS TO BE INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PIPE UNDERDRAIN	SHEET 114	E



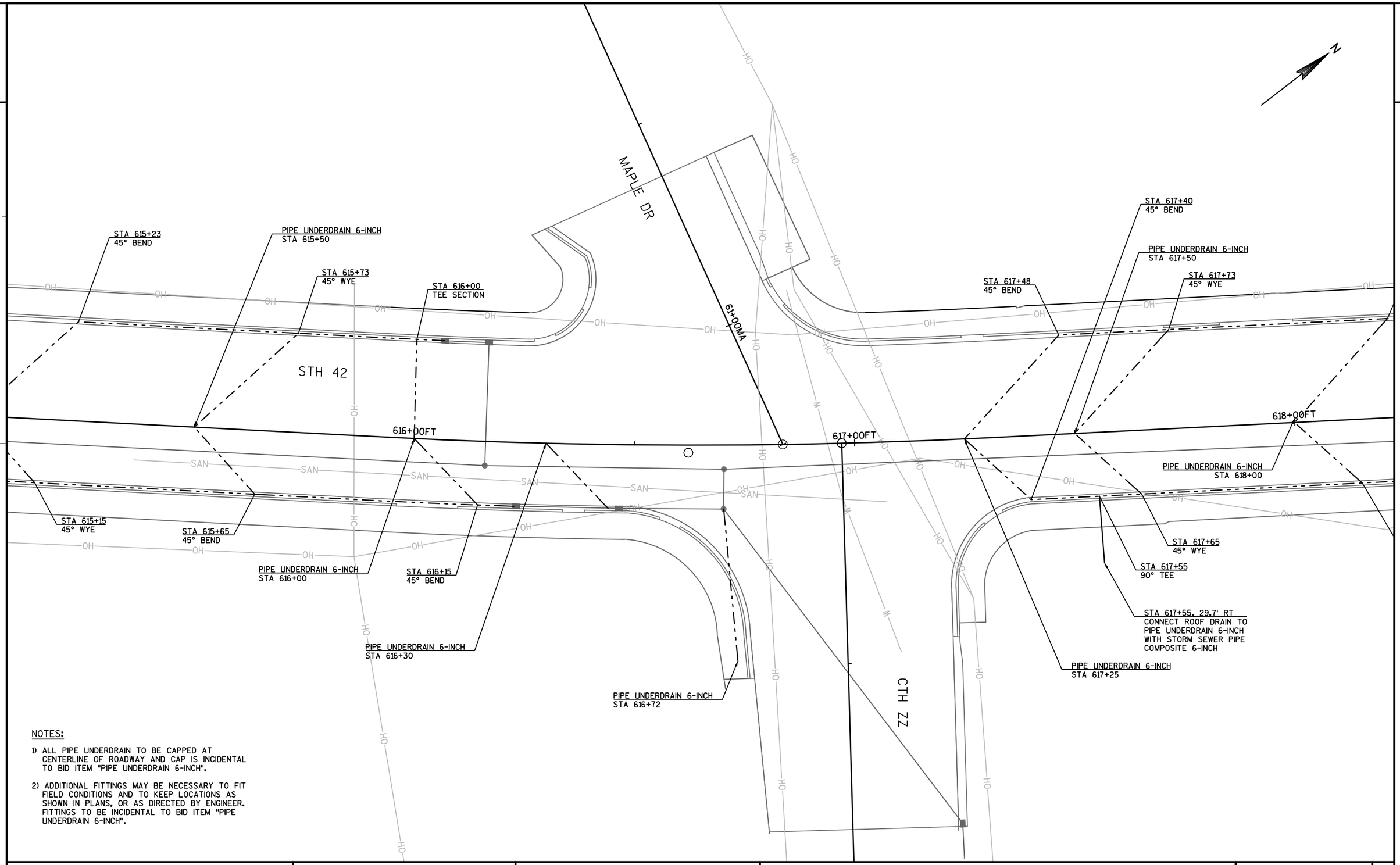
NOTES:

1) ALL PIPE UNDERDRAIN TO BE CAPPED AT CENTERLINE OF ROADWAY AND CAP IS INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

2) ADDITIONAL FITTINGS MAY BE NECESSARY TO FIT FIELD CONDITIONS AND TO KEEP LOCATIONS AS SHOWN IN PLANS, OR AS DIRECTED BY ENGINEER. FITTINGS TO BE INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PIPE UNDERDRAIN	SHEET 115	E

2



NOTES:

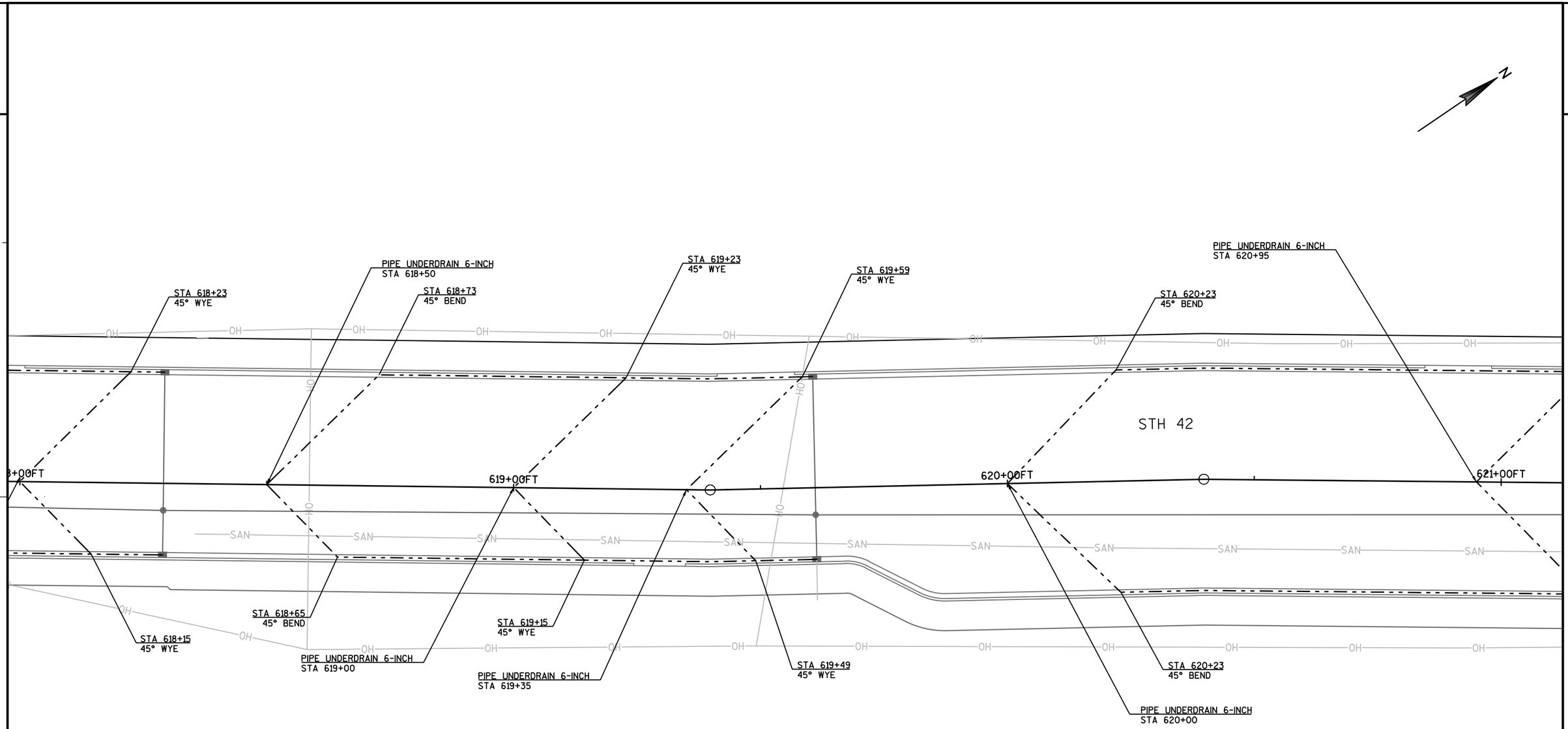
1) ALL PIPE UNDERDRAIN TO BE CAPPED AT CENTERLINE OF ROADWAY AND CAP IS INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

2) ADDITIONAL FITTINGS MAY BE NECESSARY TO FIT FIELD CONDITIONS AND TO KEEP LOCATIONS AS SHOWN IN PLANS, OR AS DIRECTED BY ENGINEER. FITTINGS TO BE INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PIPE UNDERDRAIN	SHEET 116	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\UNDERDRAIN\022601 PU.DWG
LAYOUT NAME - 022604
PLOT DATE : 1/28/2015 2:49 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



NOTES:

1) ALL PIPE UNDERDRAIN TO BE CAPPED AT CENTERLINE OF ROADWAY AND CAP IS INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

2) ADDITIONAL FITTINGS MAY BE NECESSARY TO FIT FIELD CONDITIONS AND TO KEEP LOCATIONS AS SHOWN IN PLANS, OR AS DIRECTED BY ENGINEER. FITTINGS TO BE INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

2

2

PIPE UNDERDRAIN 6-INCH
STA 621+90

STA 621+17
45° BEND

621+00FT

622+00FT

623+00FT

624+00

STH 42

MILL RD

STA 621+17
45° BEND

PIPE UNDERDRAIN 6-INCH
STA 620+95

NOTES:

1) ALL PIPE UNDERDRAIN TO BE CAPPED AT CENTERLINE OF ROADWAY AND CAP IS INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

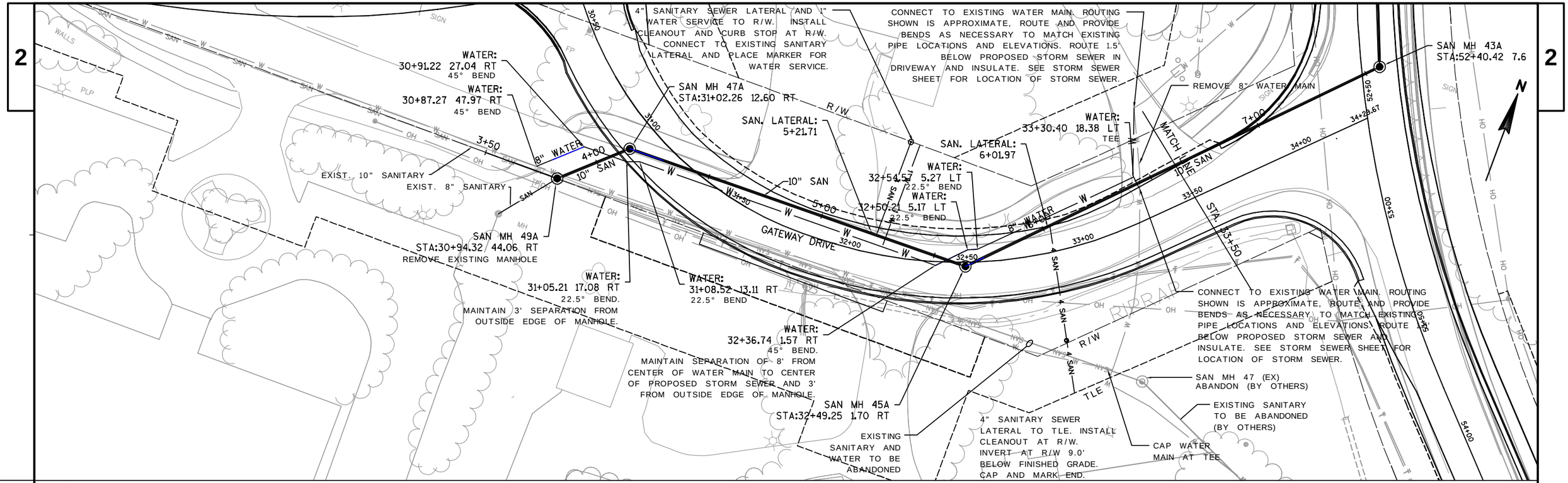
2) ADDITIONAL FITTINGS MAY BE NECESSARY TO FIT FIELD CONDITIONS AND TO KEEP LOCATIONS AS SHOWN IN PLANS, OR AS DIRECTED BY ENGINEER. FITTINGS TO BE INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH".

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PIPE UNDERDRAIN	SHEET 118	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\UNDERDRAIN\022601 PU.DWG
LAYOUT NAME - 022606

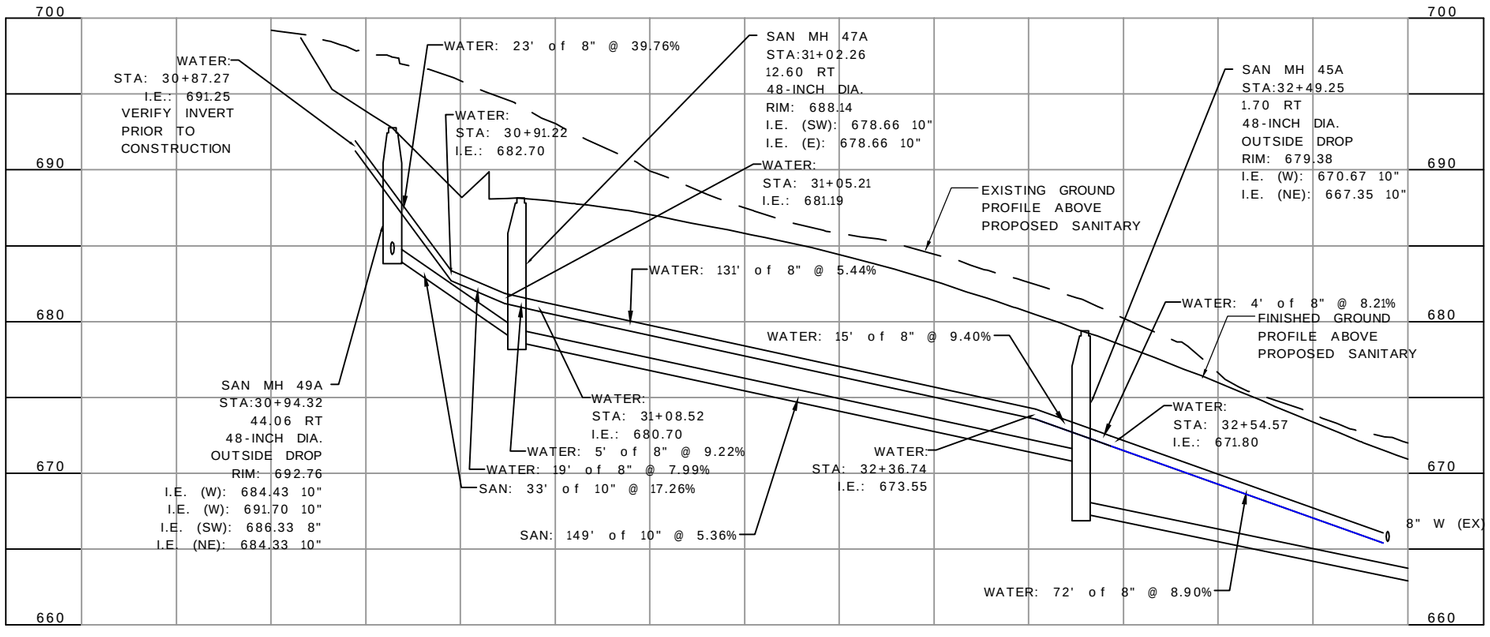
PLOT DATE : 1/28/2015 3:11 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42



GENERAL NOTES:

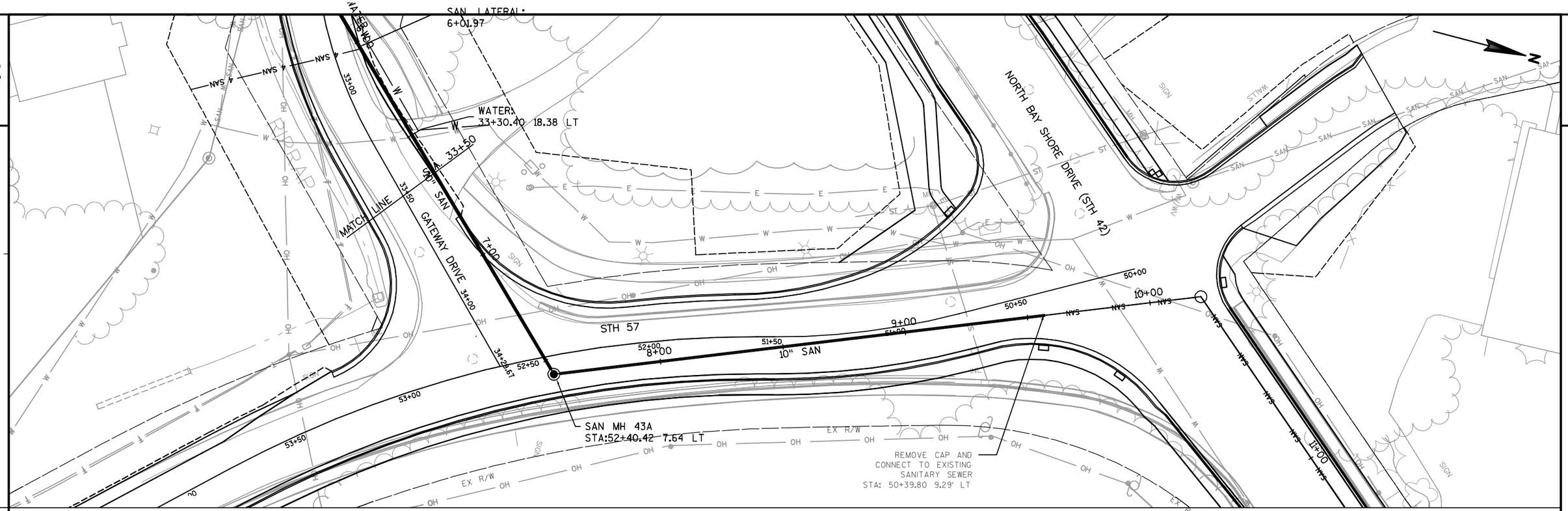
1. EXCAVATE TO LOCATE EXISTING WATER MAIN AND SANITARY LATERALS PRIOR TO BEGINNING CONSTRUCTION OF NEW MAIN AND SERVICES.
2. WHEN INSTALLING WATER MAIN, USE A COMBINATION OF FITTINGS AND JOINT DEFLECTION TO ACHIEVE THE DEFLECTIONS SHOWN IN PLAN AND PROFILE.
3. SHALLOW BEDROCK MAY EXIST AT THE LOCATION OF THE SANITARY SEWER AND WATER MAIN. SEE SUBSURFACE EXPLORATION INFORMATION IN PLANS FOR APPROXIMATE ROCK ELEVATIONS.



PROJECT NO: 4610-06-71	HWY: STH 57	COUNTY: DOOR	SANITARY SEWER / WATER MAIN	SHEET 119 E

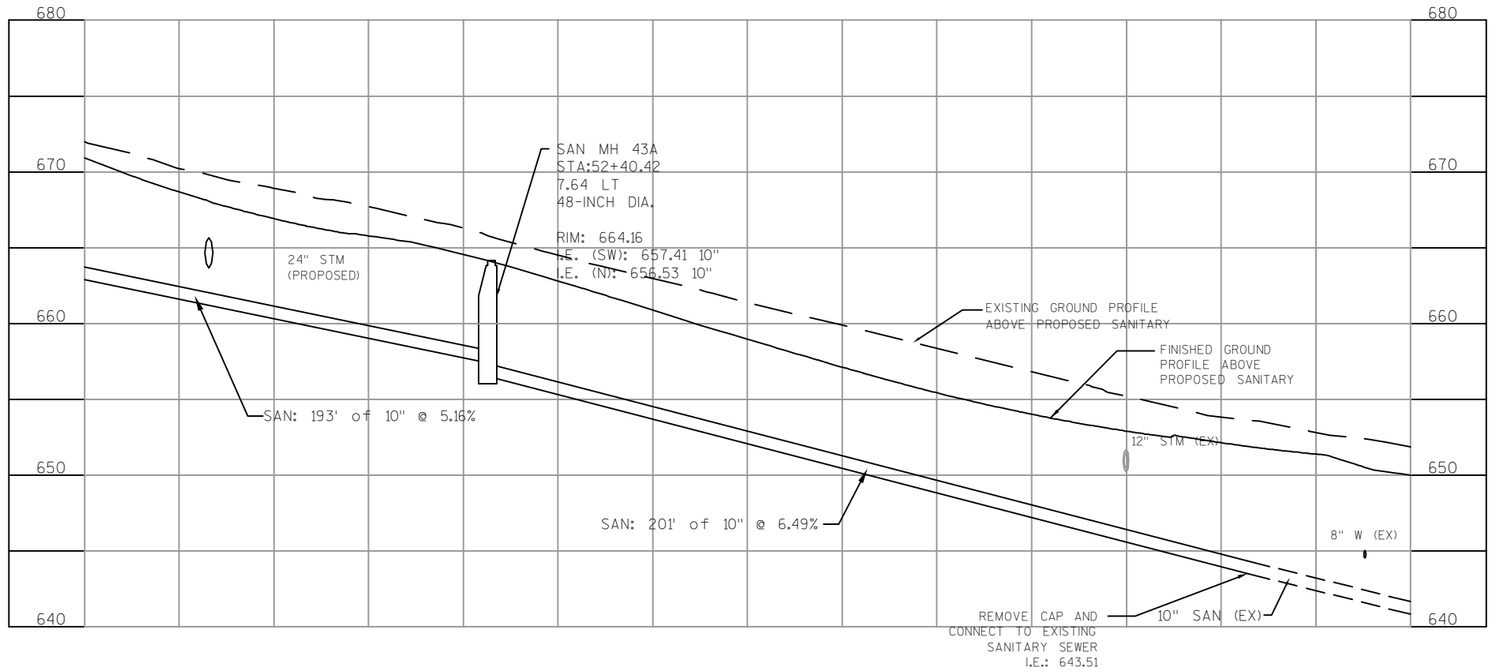
FILE NAME : L:\PROJECTS\12032\DWG\022501_SS.DWG PLOT DATE : 3/3/2015 11:40 AM PLOT BY : JUMP, KEVIN PLOT NAME :

WISDOT/CADDS SHEET 42



GENERAL NOTES:

1. SHALLOW BEDROCK MAY EXIST AT THE LOCATION OF THE SANITARY SEWER AND WATER MAIN. SEE SUBSURFACE EXPLORATION INFORMATION IN PLANS FOR APPROXIMATE ROCK ELEVATIONS.



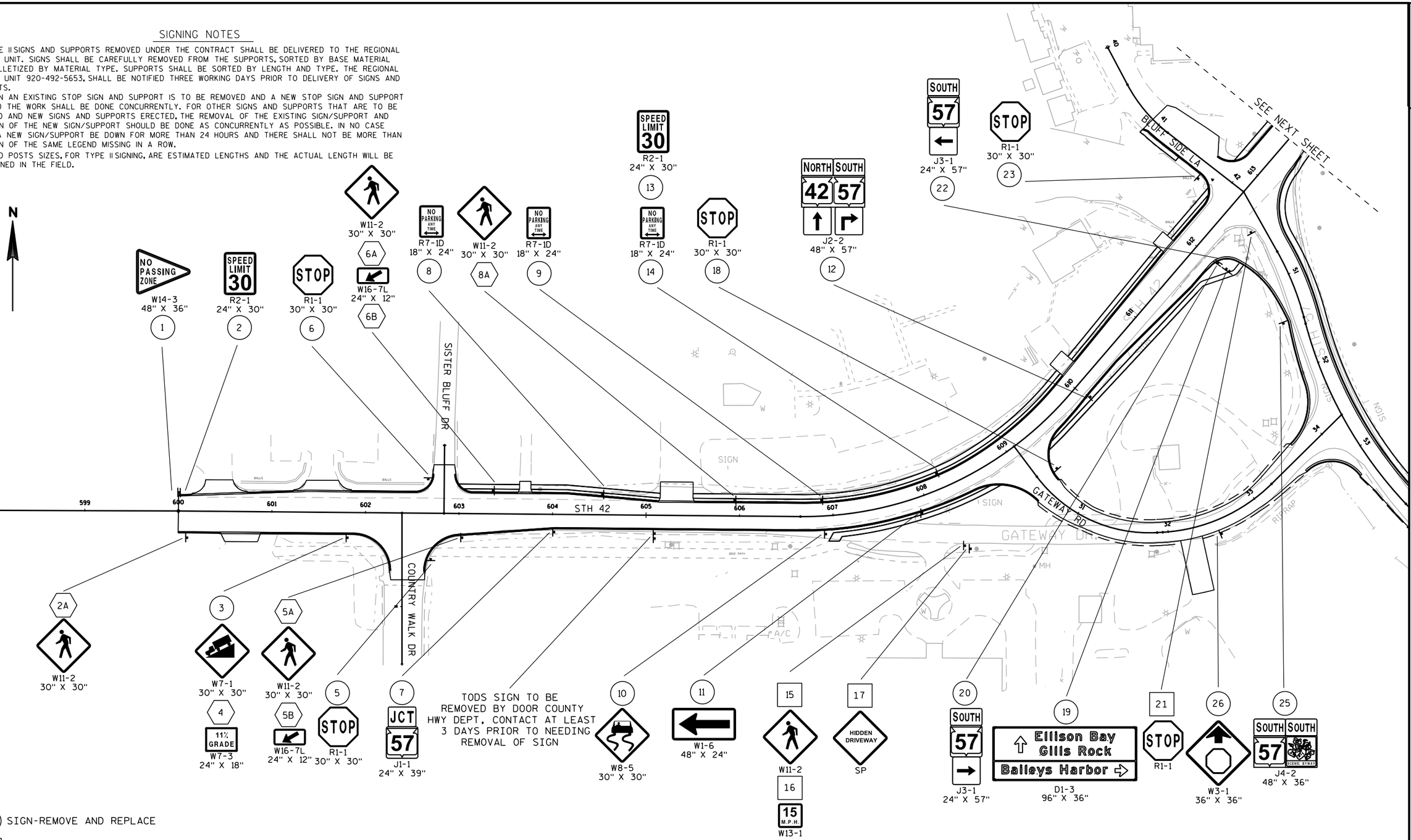
PROJECT NO: 4610-06-71	HWY: STH 57	COUNTY: DOOR	SANITARY SEWER / WATER MAIN	SHEET 120	E

SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

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.



PLAN SHEET PRODUCED BY WisDOT-NE REGION

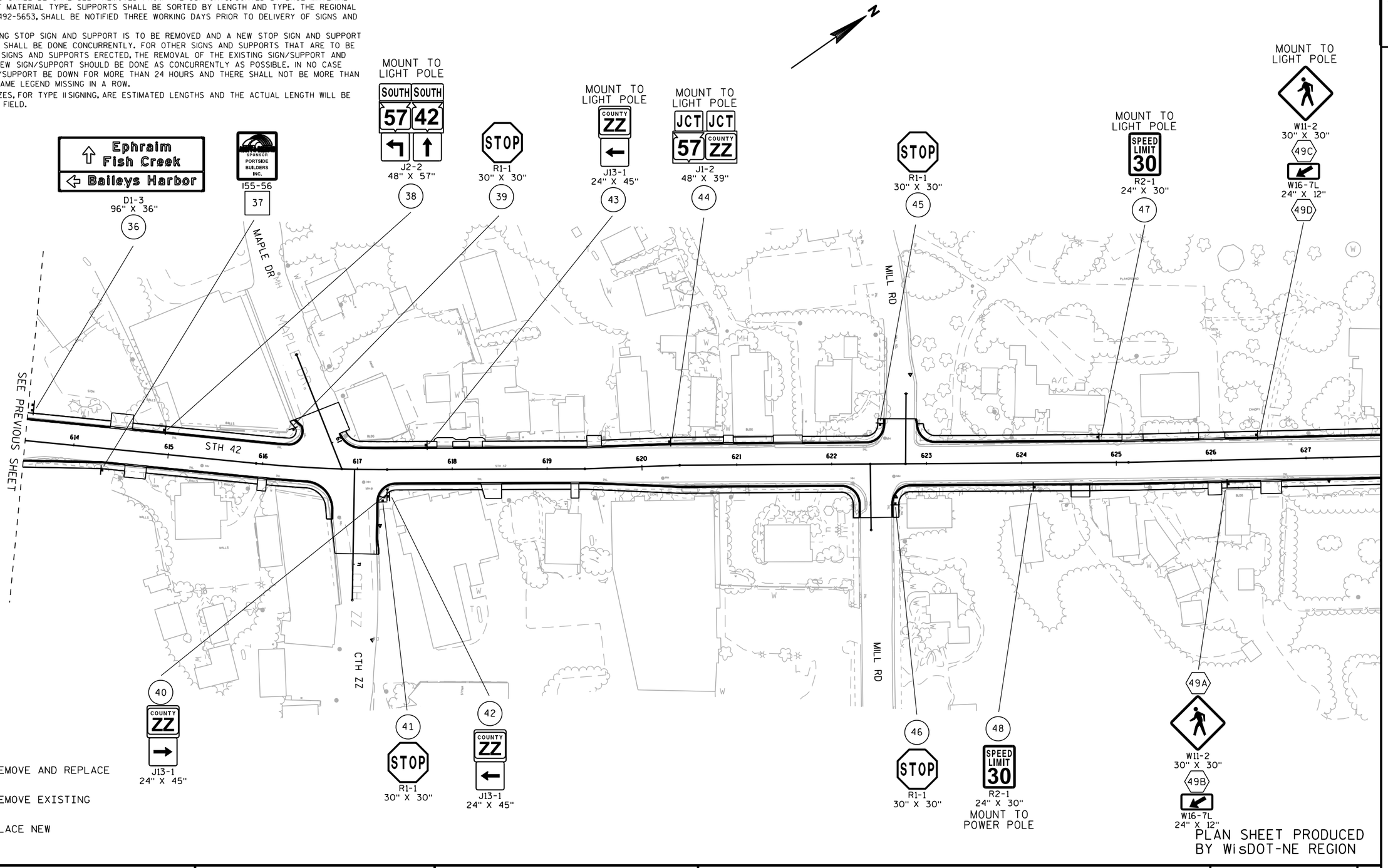
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET 121 E

SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

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



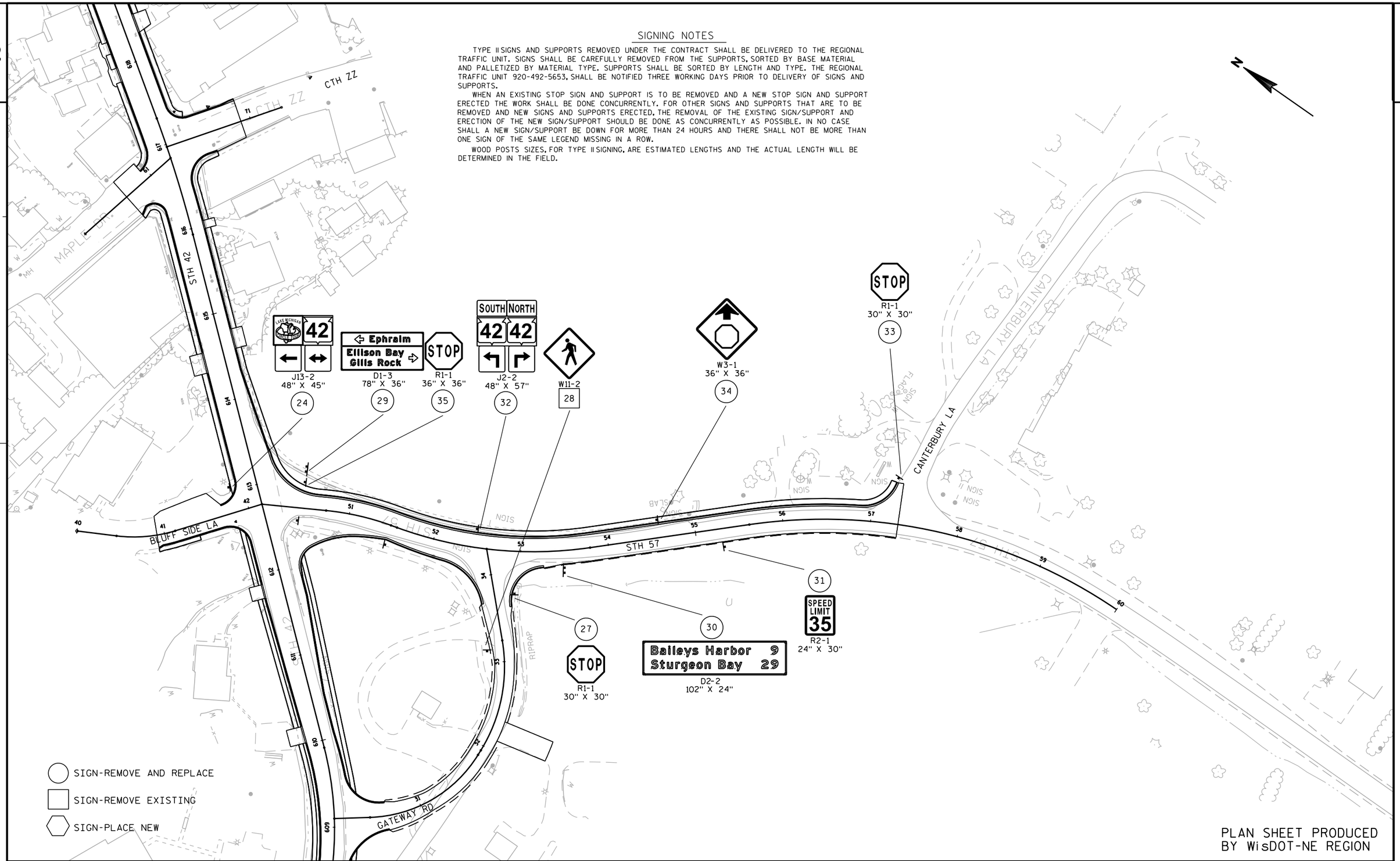
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET 122 E

SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

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



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET 123 E

FILE NAME : N:\spo\traffic\SIGNING\Projects\4610-06-71 STH 42 Sister Bay\023203_ps.dgn PLOT DATE : 26-JAN-2015 13:43 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 100:1

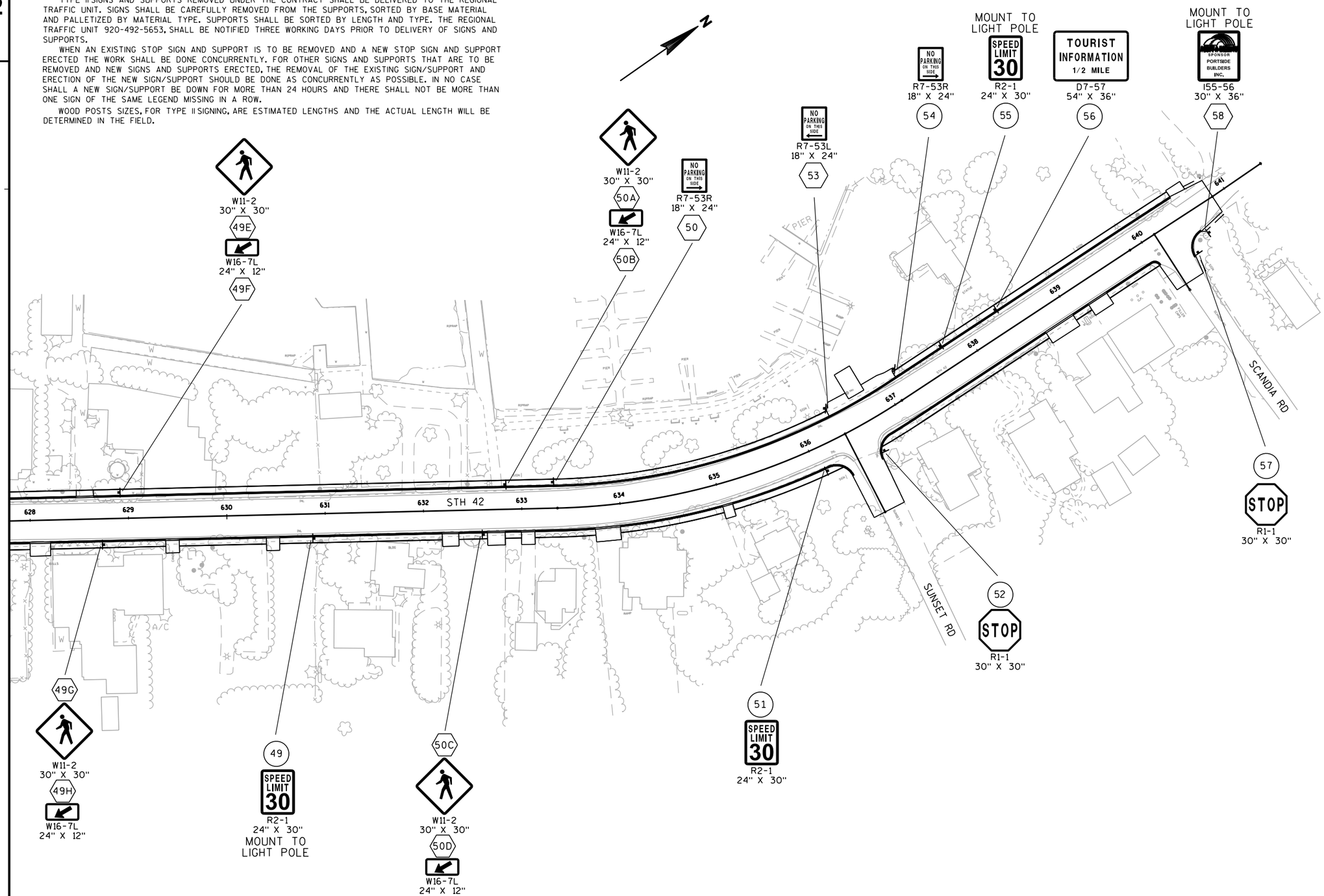
WISDOT/CADDS SHEET 42

SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

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.



SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET 124 E

2

FOOTBRIDGE

N

610+00 611+00 612+00 613+00 614+00 615+00

STH 42

EXISTING R/W

TLE

PROPOSED R/W

BLUFFSIDE LN

WALLS

SIGN

GUY

MH

STATION
OFFSET
613+13.21, -30.58' L
A9-1,3
A5-11
PANEL, CIRCUIT

614+82.58, -30.58' L
A8-1,3
B4-9

2#12 LIGHTING
2#2 FESTOON RECEPTACLE
1#8 GROUND

MATCH LINE
615+30.00

2#12 LIGHTING
2#4 FESTOON RECEPTACLE
1#8 GROUND

2#12 LIGHTING
1#6, 1#4, 1#4 FESTOON RECEPTACLE
1#8 GROUND

611+93.63, 33.58' R
B8-2,4
D4-12

613+73.78, 26.94' R
B7-2,4
C4-10

609+80.00

EXISTING R/W

STH 57

LIGHTING PLAN LEGEND

ELECTRICAL SERVICE

CONDUIT

LIGHT POLE

RECEPTACLE CIRCUITING

NOTE: RECEPTACLE CIRCUITS SHARE COMMON NEUTRAL. IF ALTERNATING RECEPTACLE CIRCUIT CONDUCTORS ARE SIZED DIFFERENTLY, SEE BELOW FOR CONDUCTOR SIZING

1#4, 1#2, 1#2
CIR 1 AND 2 COMMON NEUTRAL
CIR 2
CIR 1

NOTE:
SHALLOW BEDROCK MAY EXIST AT THE LOCATIONS OF LIGHTING BASES. SEE SUBSURFACE EXPLORATION INFORMATION IN PLANS FOR APPROXIMATE ROCK ELEVATIONS.

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	LIGHTING PLAN STH 42	SHEET 125	E

2

N

MAPLE DR

ANT.

WALLS

SWAMP

MATCH LINE

EXISTING R/W

PROPOSED R/W

TLE

616+20.89, −30.58' L
A7−1,3
A4−11

STATION
617+56.16, −30.58' L
A6−1,3
B3−11
OFFSET
PANEL, CIRCUIT

618+87.05, −30.58' L
A5−1,3
A3−9

620+30.00, −30.58' L
A4−1,3
B2−11

620+80.00

2#12 LIGHTING
1#2, 1#4, 1#2 FESTOON RECEPTACLE
1#8 GROUND

2#12 LIGHTING
3#4 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
1#2, 1#4, 1#2 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
3#4 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
1#2, 1#4, 1#2 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
1#4, 1#2, 1#2 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
1#2, 1#4, 1#2 FESTOON RECEPTACLE
1#8 GROUND

615+00 616+00 617+00 618+00 619+00 620+00 621+00

STH 42

615+63.98, 22.58' R
B6−2,4
D3−12
NOTE: INSTALL BASE PRIOR TO MODULAR BLOCK WALL CONSTRUCTION.

615+30.00

617+40.91, 22.58' R
B5−2,4
C3−10

618+69.95, 22.58' R
B4−2,4
D2−12

620+73.77, 30.58' R
B3−2,4
C2−10

CTH ZZ

INL

SIGN

MH

WV

GUY

WALLS

LIGHTING PLAN LEGEND

ELECTRICAL SERVICE

CONDUIT

LIGHT POLE

RECEPTACLE CIRCUITING

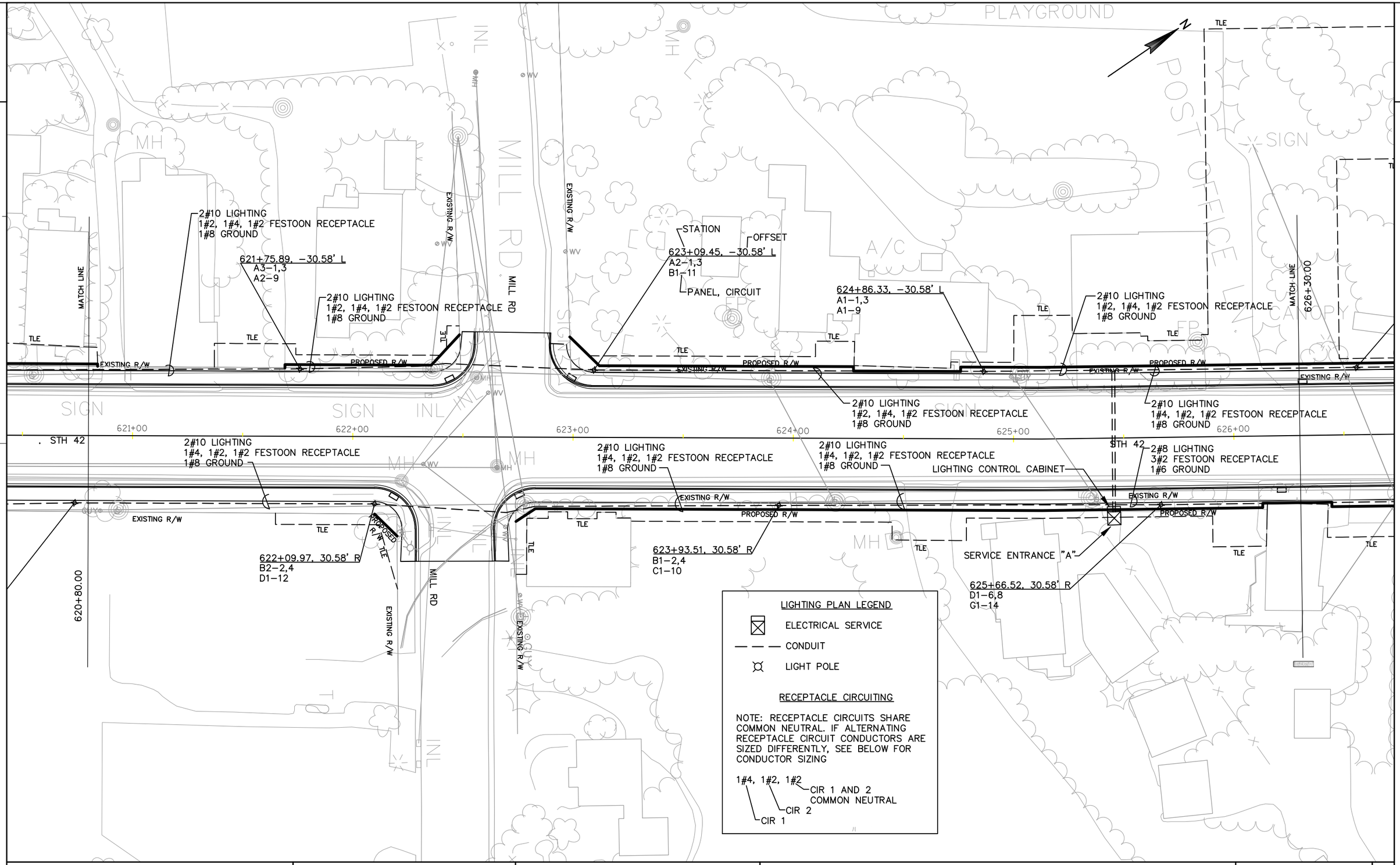
NOTE: RECEPTACLE CIRCUITS SHARE COMMON NEUTRAL. IF ALTERNATING RECEPTACLE CIRCUIT CONDUCTORS ARE SIZED DIFFERENTLY, SEE BELOW FOR CONDUCTOR SIZING

1#4, 1#2, 1#2
- CIR 1 AND 2 COMMON NEUTRAL
- CIR 2
- CIR 1

NOTE:
SHALLOW BEDROCK MAY EXIST AT THE LOCATIONS OF LIGHTING BASES. SEE SUBSURFACE EXPLORATION INFORMATION IN PLANS FOR APPROXIMATE ROCK ELEVATIONS.

PROJECT NO: 4610−06−71	HWY: STH 42	COUNTY: DOOR	LIGHTING PLAN STH 42	SHEET 126 E

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	LIGHTING PLAN STH 42	SHEET E

FILE NAME : L:\PROJECTS\12032\DWG\LIGHTING PLANS\020101_CD.DWG PLOT DATE : PLOT BY : JUMP, KEVIN PLOT NAME : _____ PLOT SCALE : 1" = 40'_XREF

628+44.27, −30.58' L
C2−5,7
F1−15

626+56.10, −30.58' L
C1−5,7
E1−13

STATION
OFFSET
630+19.09, −30.58' L
C3−5,7
E2−13
PANEL, CIRCUIT

631+80.00

626+30.00

627+58.51, 30.58' R
D2−6,8
H1−16

629+29.98, 29.58' R
D3−6,8
G2−14

631+00.47, 30.58' R
D4−6,8
H2−16

2#10 LIGHTING
1#4, 1#2, 1#2 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
3#2 FESTOON RECEPTACLE
1#6 GROUND

2#10 LIGHTING
1#2, 1#2, 1#6 FESTOON RECEPTACLE
1#6 GROUND

2#10 LIGHTING
1#2, 1#4, 1#2 FESTOON RECEPTACLE
1#8 GROUND

STH 42

TLE
PROPOSED R/W
EXISTING R/W
MATCH LINE
RIPRAP
SIGN
CANOPY
INL
MH
CATV
FP
T
PVC IPS RUNNING THROUGH BOTTOM OF INLET

26+00 627+00 628+00 629+00 630+00 631+00 632+00

LIGHTING PLAN LEGEND

ELECTRICAL SERVICE
CONDUIT
LIGHT POLE

RECEPTACLE CIRCUITING

NOTE: RECEPTACLE CIRCUITS SHARE COMMON NEUTRAL. IF ALTERNATING RECEPTACLE CIRCUIT CONDUCTORS ARE SIZED DIFFERENTLY, SEE BELOW FOR CONDUCTOR SIZING

1#4, 1#2, 1#2
- CIR 1 AND 2 COMMON NEUTRAL
- CIR 2
- CIR 1

PROJECT NO: 4610−06−71	HWY: STH 42	COUNTY: DOOR	LIGHTING PLAN STH 42	SHEET 128 E

631+95.55, −30.58' L
C4−5,7
F2−15

STATION
OFFSET
634+09.00, −30.58' L
C5−5,7
E3−13
PANEL, CIRCUIT

635+79.85, −30.58' L
C6−5,7
F3−15

637+69.89

637+30.00

2#12 LIGHTING
1#4, 1#2, 1#2 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
1#2, 1#4, 1#2 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
1#4, 1#2, 1#2 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
1#2, 1#8, 1#2 FESTOON RECEPTACLE
1#8 GROUND

632+94.67, 30.58' R
D5−6,8
G3−14

631+80.00
MATCH LINE

634+72.75, 30.58' R
D6−6,8
H3−16

636+80.04, 30.58' R
D7−6,8
G4−14

632+00
633+00
634+00
635+00
636+00
637+00

STH 42

PROPOSED R/W
EXISTING R/W
TLE

PIER
RAMP
RIPRAP
SIGN
MH
INLET
GUY
SUNSET DR
STORM INLET
STORM LINE AS PER METAL DETECTOR (NOT LOCATED BY VILLAGE OF SISTER BAY)
MATCH LINE

LIGHTING PLAN LEGEND

ELECTRICAL SERVICE
CONDUIT
LIGHT POLE

RECEPTACLE CIRCUITING

NOTE: RECEPTACLE CIRCUITS SHARE COMMON NEUTRAL. IF ALTERNATING RECEPTACLE CIRCUIT CONDUCTORS ARE SIZED DIFFERENTLY, SEE BELOW FOR CONDUCTOR SIZING

1#4, 1#2, 1#2
- CIR 1 AND 2 COMMON NEUTRAL
- CIR 2
- CIR 1

PROJECT NO: 4610−06−71	HWY: STH 42	COUNTY: DOOR	LIGHTING PLAN STH 42	SHEET 129 E

FILE NAME : L:\PROJECTS\12032\DWG\LIGHTING PLANS\020101_CD.DWG PLOT DATE : PLOT BY : JUMP, KEVIN PLOT NAME : _____PLOT SCALE : 1" = 40'_XREF

2

2

N

PIER

PIER

RAMP

RAMP

STATION
OFFSET
639+56.27, −30.58' L
C8−5,7
F4−15
PANEL, CIRCUIT

637+69.89, −30.58' L
C7−5,7
E4−13

TLE

SIGN

MH

STATUE

PROPOSED R/W

EXISTING R/W

2#12 LIGHTING
2#2 FESTOON RECEPTACLE
1#8 GROUND

637+00 638+00 639+00 640+00 640+86

STH 42

2#10 LIGHTING
1#4, 1#8, 1#4 FESTOON RECEPTACLE
1#8 GROUND

2#10 LIGHTING
2#4 FESTOON RECEPTACLE
1#8 GROUND

SCANDIA RD

SUNSET DR

MATCH LINE

637+30.00

638+58.21, 30.58' R
D8−6,8
H4−16

640+63.72, 30.58' R
D9−6,8
G5−14

FILLER CAPS

G.P.

STORM INLET

STORM LINE AS PER METAL DETECTOR

LIGHTING PLAN LEGEND

ELECTRICAL SERVICE

CONDUIT

LIGHT POLE

RECEPTACLE CIRCUITING

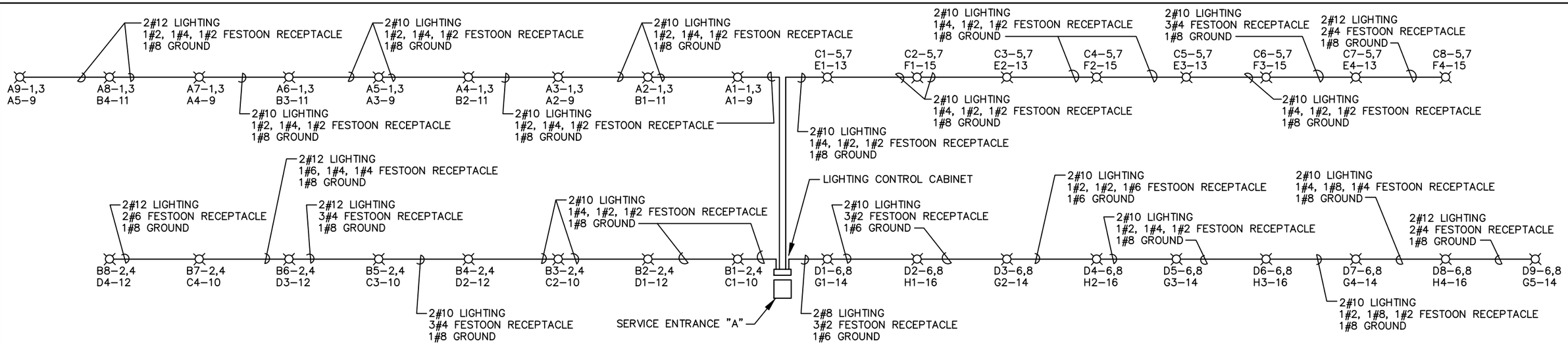
NOTE: RECEPTACLE CIRCUITS SHARE COMMON NEUTRAL. IF ALTERNATING RECEPTACLE CIRCUIT CONDUCTORS ARE SIZED DIFFERENTLY, SEE BELOW FOR CONDUCTOR SIZING

1#4, 1#2, 1#2 — CIR 1 AND 2 COMMON NEUTRAL
1#2 — CIR 2
1#4 — CIR 1

PROJECT NO: 4610−06−71	HWY: STH 42	COUNTY: DOOR	LIGHTING PLAN STH 42	SHEET 130 E

FILE NAME : L:\PROJECTS\12032\DWG\LIGHTING PLANS\020101_CD.DWG PLOT DATE : PLOT BY : JUMP, KEVIN PLOT NAME : _____PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42



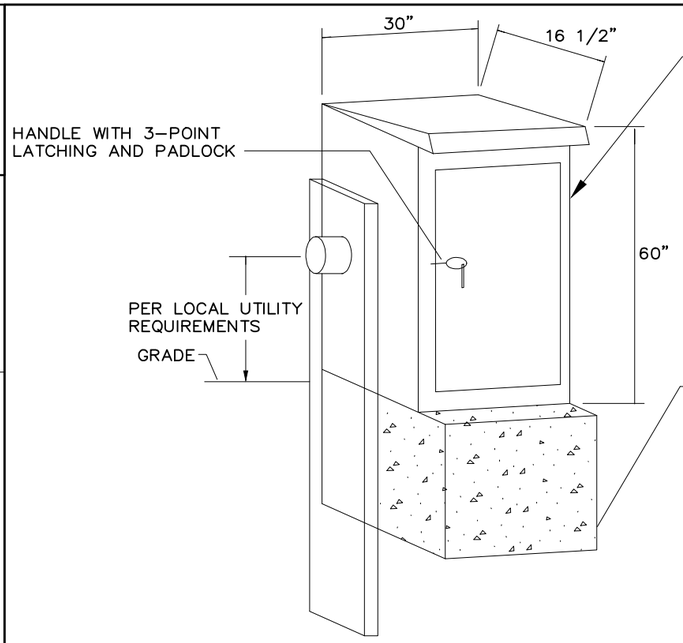
SERVICE WIRING DIAGRAM
NTS

CABINET MOUNTED NEMA 1
120 / 240 V, 1 PHASE, 3 WIRE
RATING 22,000 A.I.C.

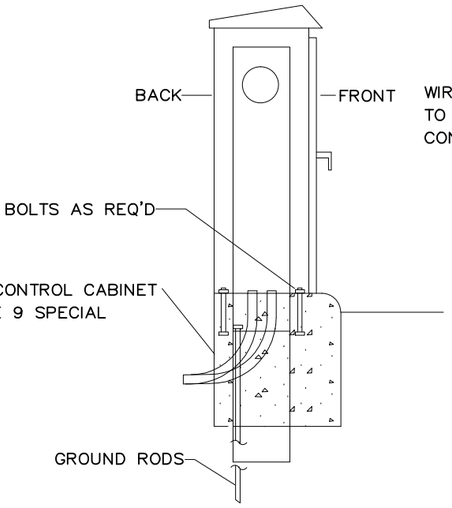
PANEL SCHEDULE

100A MAIN BREAKER
200A MAIN BUS
100A GRD. BUS

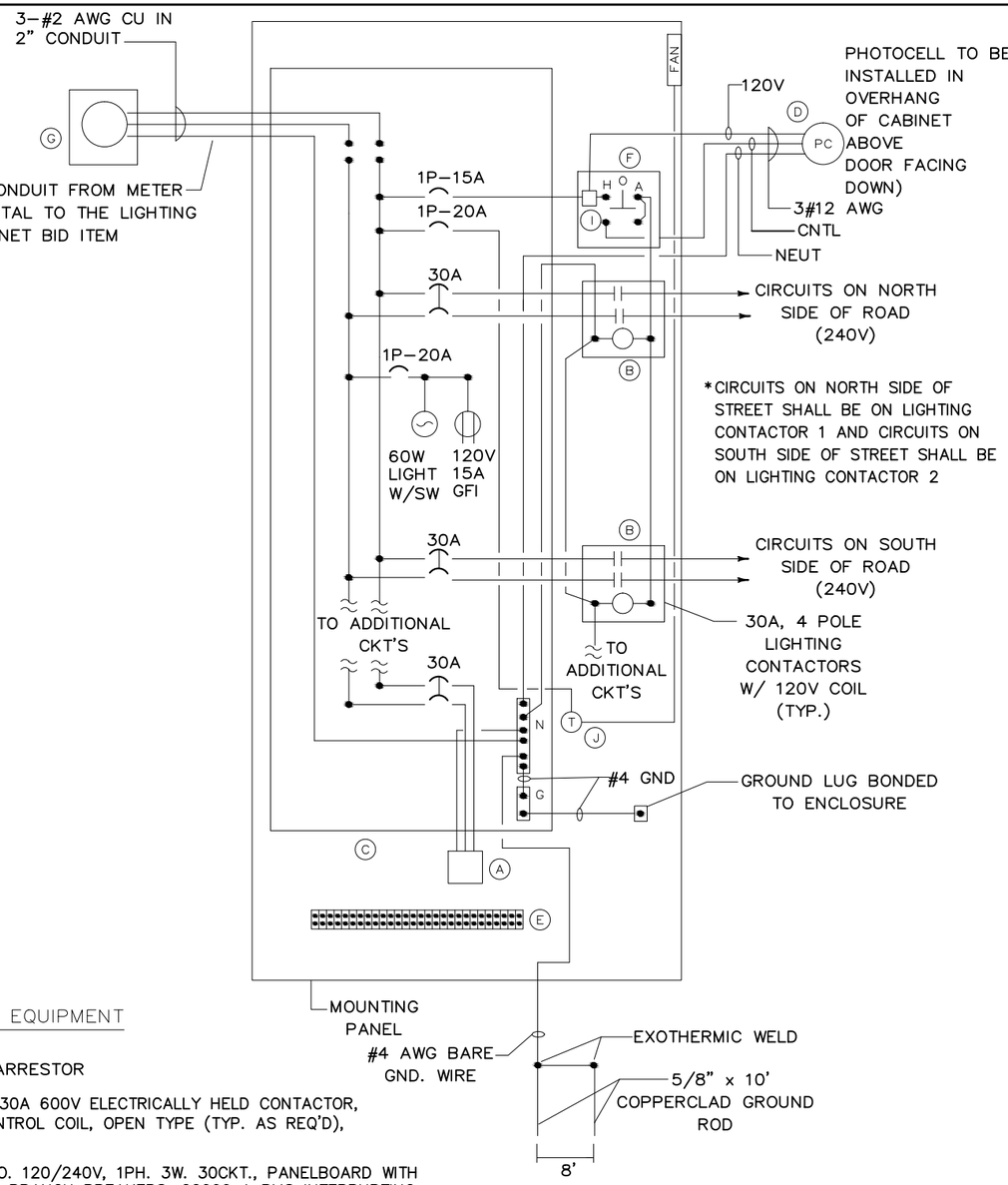
CKT. NO.	TRIP/P	DESCRIPTION	PHASE A	PHASE B	DESCRIPTION	TRIP/P	CKT. NO.
1	20/2	LIGHTING CIRCUIT A	•		LIGHTING CIRCUIT B	20/2	2
3				•			4
5	20/2	LIGHTING CIRCUIT C	•		LIGHTING CIRCUIT D	20/2	6
7				•			8
9	20/1	RECEPTACLES CIRCUIT A	•		RECEPTACLES CIRCUIT C	20/1	10
11	20/1	RECEPTACLES CIRCUIT B		•	RECEPTACLES CIRCUIT D	20/1	12
13	20/1	RECEPTACLES CIRCUIT E	•		RECEPTACLES CIRCUIT G	20/1	14
15	20/1	RECEPTACLES CIRCUIT F		•	RECEPTACLES CIRCUIT H	20/1	16
17	15/1	LTS CNTL CABINET PHOTO CELL	•		SPARE	20/1	18
19	20/1	LTS CNTL CABINET FAN		•	LTS CNTL CABINET LIGHT & REC	20/1	20
21	30/2	LIGHTING CONTACTOR, NORTH SIDE OF STREET	•		LIGHTING CONTACTOR, SOUTH SIDE OF STREET	30/2	22
23				•			24
25	20/1	SPARE	•		SPARE	20/1	26
27		SPACE		•	SPACE		28
29		SPACE	•		SPACE		30
		TOTALS:	–	–			



CABINET VIEW



SIDE VIEW



CONTROL DIAGRAM

NOTES:

ALL CONTROL WIRING SHALL BE COLOR CODED #12 AWG, XLP UNLESS OTHERWISE NOTED. ALL POWER AND CONTROL WIRING SHALL BE NEATLY ROUTED, LABELED, AND SUPPORTED.

THE LIGHTING CONTROL CABINET SHALL BE COMPLETELY WIRED UP TO THE FIELD WIRING TERMINATION STRIP IN THE CONTRACTORS SHOP AND TESTED PRIOR TO THE INSTALLATION AT SITE.

A COPY OF THIS SHEET WITH AS-BUILT (RECORD) CONDITIONS SHALL BE PUT IN A PLASTIC PROTECTOR IN THE CABINET.

THE CONTRACTOR SHALL COMPLY WITH LOCAL UTILITY INSTALLATION REQUIREMENTS.

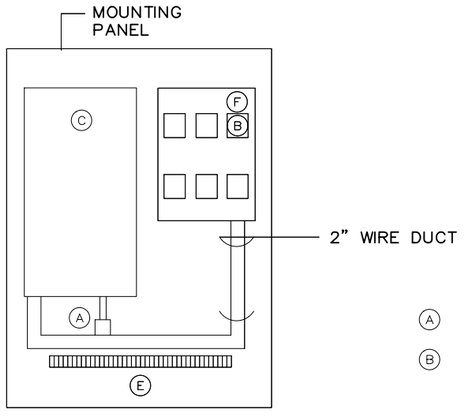
USE #10 AWG XLP CONDUCTORS FROM THE 30A CB'S TO THE FIELD WIRING TERMINATION STRIP. PROVIDE A GROUND WIRE TO FIELD WIRING TERMINATION STRIP FROM PANELBOARD FOR EACH UNDERGROUND CABLE RUN TO LIGHTING UNITS AS REQUIRED.

CABINET DOOR TO OPEN AWAY FROM ROADWAY.

CABINET SHALL NOT OVERLAP THE CONCRETE CONTROL BASE.

CONFIRM METER PLACEMENT WITH TOWN AND UTILITY. PLACE METER AS REQUIRED FOR MAINTAINING BENDING RADIUS OF CONDUCTORS.

ATTACH ALL EQUIPMENT TO CABINET MOUNTING CHANNEL.



EQUIPMENT LAYOUT

EQUIPMENT

- (A) SURGE ARRESTOR
- (B) 2 POLE, 30A 600V ELECTRICALLY HELD CONTACTOR, 120V CONTROL COIL, OPEN TYPE (TYP. AS REQ'D),
- (C) 200A MLO. 120/240V, 1PH. 3W. 30CKT., PANELBOARD WITH BOLT-ON BRANCH BREAKERS, 22000 A RMS INTERRUPTING CAPACITY.
- (D) BUTTON TYPE PHOTOCELL, 120V.
- (E) FIELD WIRING TERMINATION STRIP (30 BLOCKS)
- (F) H-O-A SWITCH (TYP. AS REQ'D)
- (G) 100A, 120/240V, 1 PH. 3W METER PEDESTAL
- (I) CONTROL TERMINAL BLOCK, TB1
- (J) THERMOSTAT FOR FAN CONTROL

LIGHTING CONTROL CABINET

NO SCALE

PROJECT NO:	HWY:	COUNTY:	LIGHTING PLAN	SHEET 132 E

LEGEND

- A PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- B PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- C PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- D PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
- E PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
- F PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
- G PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
- H CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
- J PAVEMENT MARKING CURB EPOXY (YELLOW)

N

SISTER BLUFF DRIVE

STH 42

600+00FT 601+00FT 602+00FT 603+00FT 604+00FT 605+00FT

10+00CW 20+73SB 0+00SB

BEGIN PROJECT
600+00FT

3' LINE, 9' GAP
EXTENDED TO BEGINNING
OF EXISTING TAPER

COUNTRY WALK DRIVE

11+00CW 11+62CW

BIKE PATH

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: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET 133	E

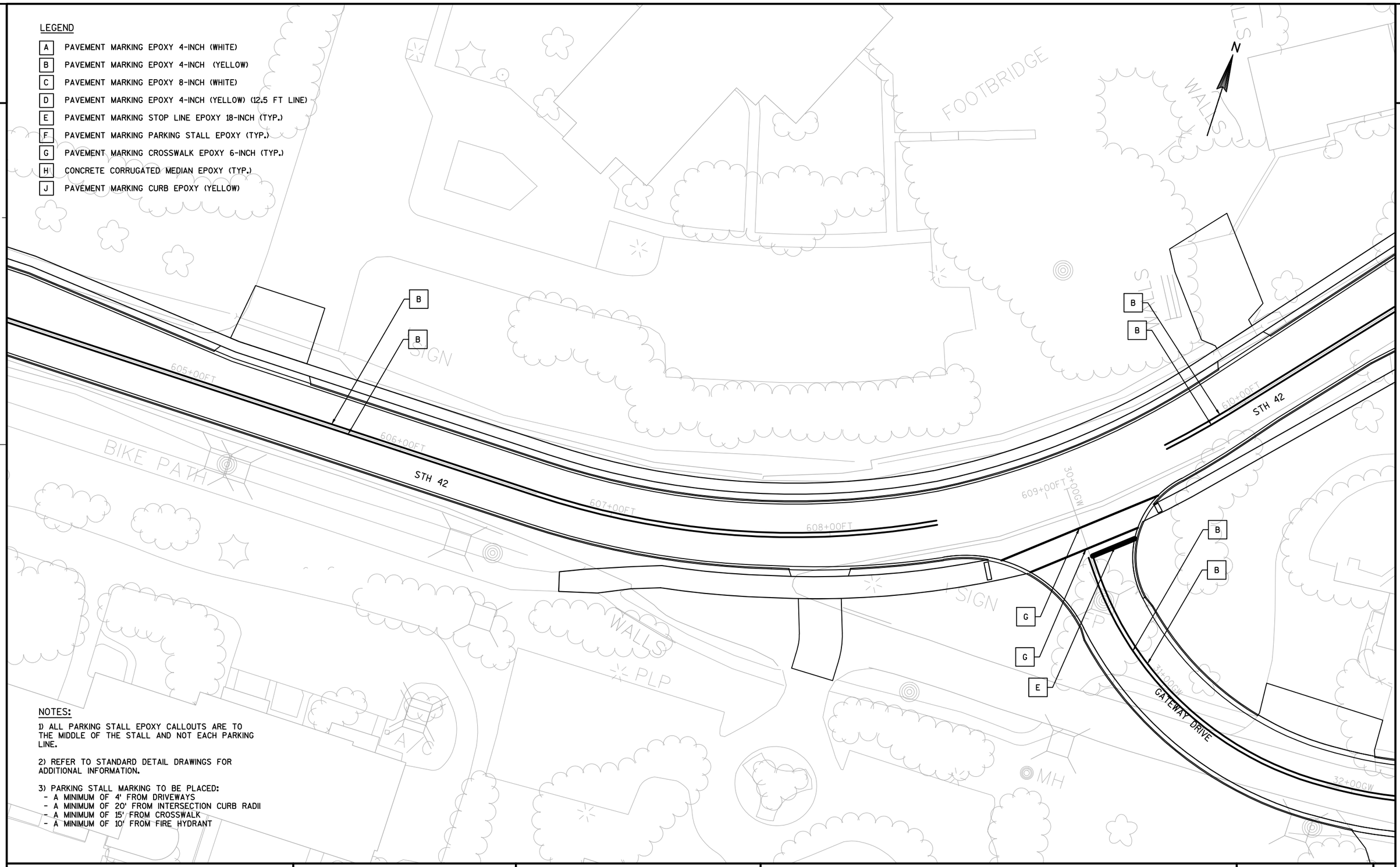
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\PAVEMENT MARKING\024501_PM.DWG
LAYOUT NAME - 024501

PLOT DATE : 2/24/2015 1:56 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

LEGEND

- A PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- B PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- C PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- D PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
- E PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
- F PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
- G PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
- H CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
- J PAVEMENT MARKING CURB 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: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET 134	E

LEGEND

- A PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- B PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- C PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- D PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
- E PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
- F PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
- G PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
- H CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
- J PAVEMENT MARKING CURB EPOXY (YELLOW)

BLUFFSIDE LANE

MAPLE DRIVE

STH 42

STH 57

20' TYP.

8' TYP.

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.

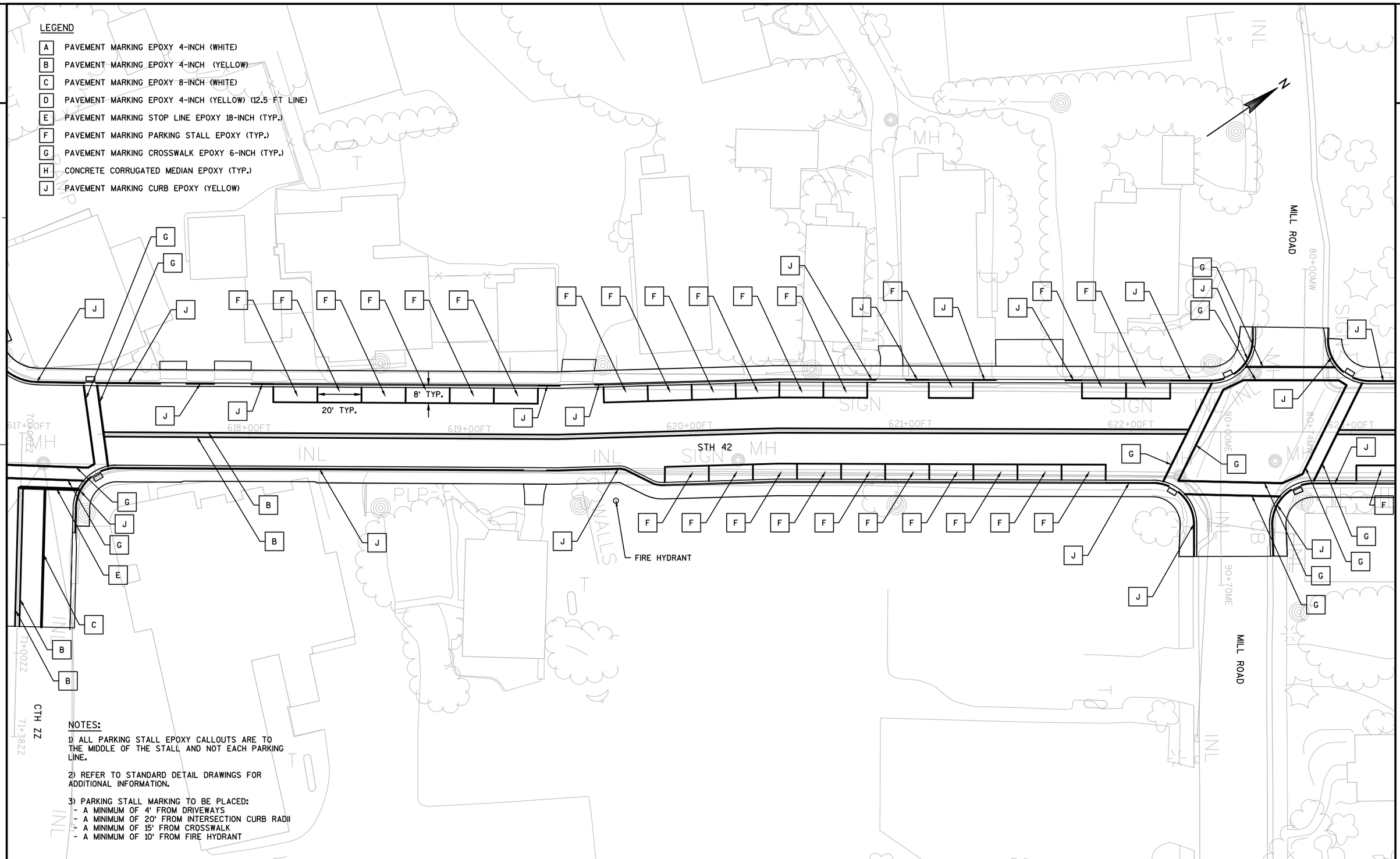
3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\PAVEMENT MARKING\024501_PM.DWG
LAYOUT NAME - 024503
PLOT DATE : 2/24/2015 1:56 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

LEGEND

- A PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- B PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- C PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- D PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
- E PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
- F PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
- G PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
- H CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
- J PAVEMENT MARKING CURB 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: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET 136	E

LEGEND

- A — PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- B — PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- C — PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- D — PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
- E — PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
- F — PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
- G — PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
- H — CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
- J — PAVEMENT MARKING CURB EPOXY (YELLOW)

PLAYGROUND
SIGN
A/C
CANOPY
FP
INL
20' TYP.
8' TYP.
EXISTING HANDICAP STALL
624+00FT
625+00FT
626+00FT
627+00FT
628+00FT
629+00FT
STH 42
FIRE HYDRANT

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: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\PAVEMENT MARKING\024501_PM.DWG
LAYOUT NAME - 024505
PLOT DATE : 2/24/2015 1:56 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

LEGEND

- A PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- B PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- C PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- D PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
- E PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
- F PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
- G PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
- H CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
- J PAVEMENT MARKING CURB EPOXY (YELLOW)

RIPRAP
PIER
SIGN
RAMP
INL
FFP
630+00FT
631+00FT
632+00FT
633+00FT
634+00FT
635+00FT
20' TYP.
8' TYP.
STH 42
FIRE HYDRANT
STORM PIPE RUNNING THROUGH BOTTOM OF INLET

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: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET 138	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\PAVEMENT MARKING\024501_PM.DWG
LAYOUT NAME - 024506
PLOT DATE : 2/24/2015 1:56 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

LEGEND

- A PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- B PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- C PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- D PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
- E PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
- F PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
- G PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
- H CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
- J PAVEMENT MARKING CURB EPOXY (YELLOW)

N

END PROJECT
640+86FT

20' TYP.

8' TYP.

636+00FT
637+00FT
638+00FT
639+00FT
640+00FT

STH 42

SUNSET DRIVE

SCANDIA ROAD

STORM LINE AS PER METAL DETECTOR (NOT LOCATED BY VILLAGE OF SISTER BAY)

STORM INLET

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

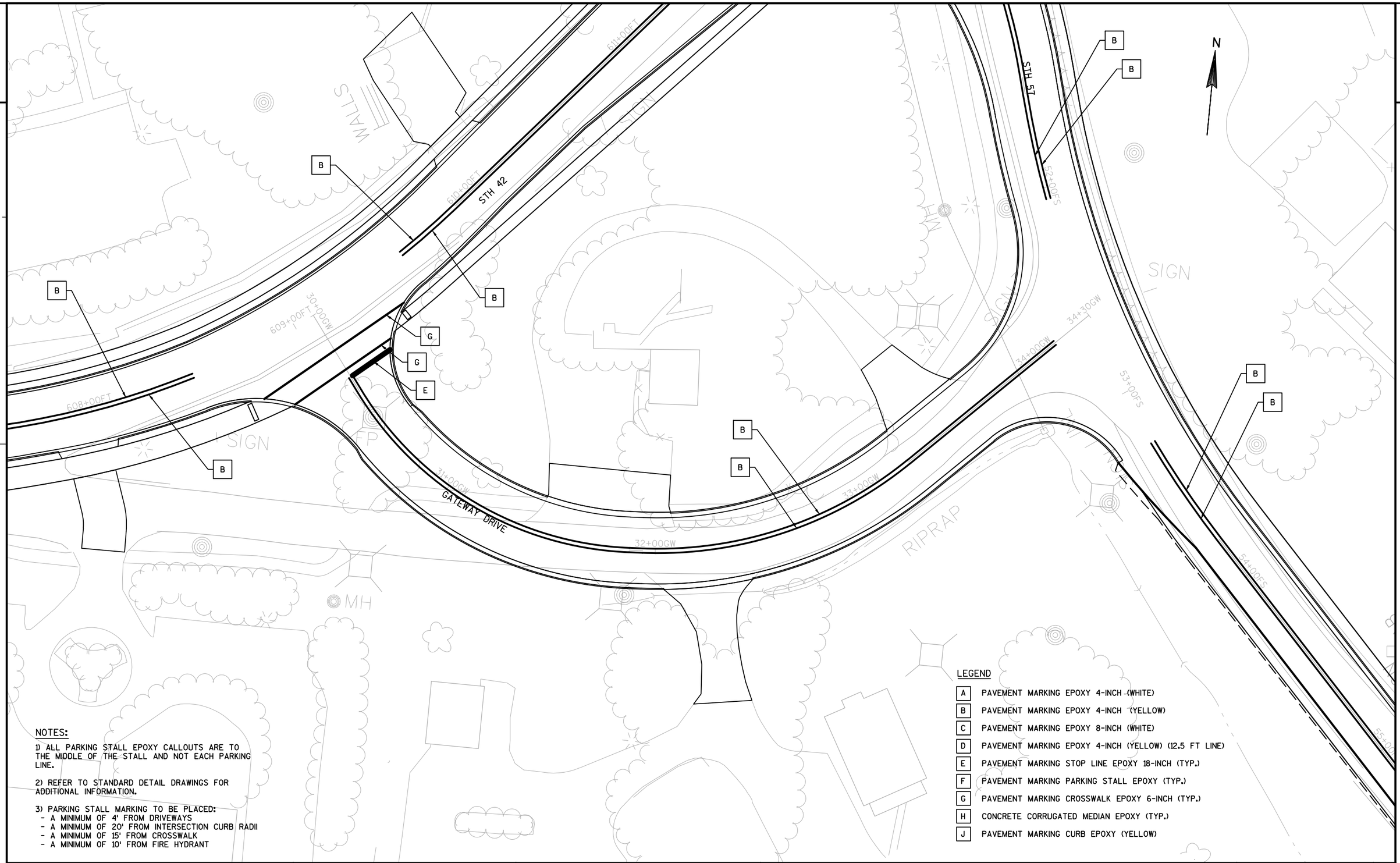
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET 139	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\PAVEMENT MARKING\024501_PM.DWG
LAYOUT NAME - 024507

PLOT DATE : 2/24/2015 1:56 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

2



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.

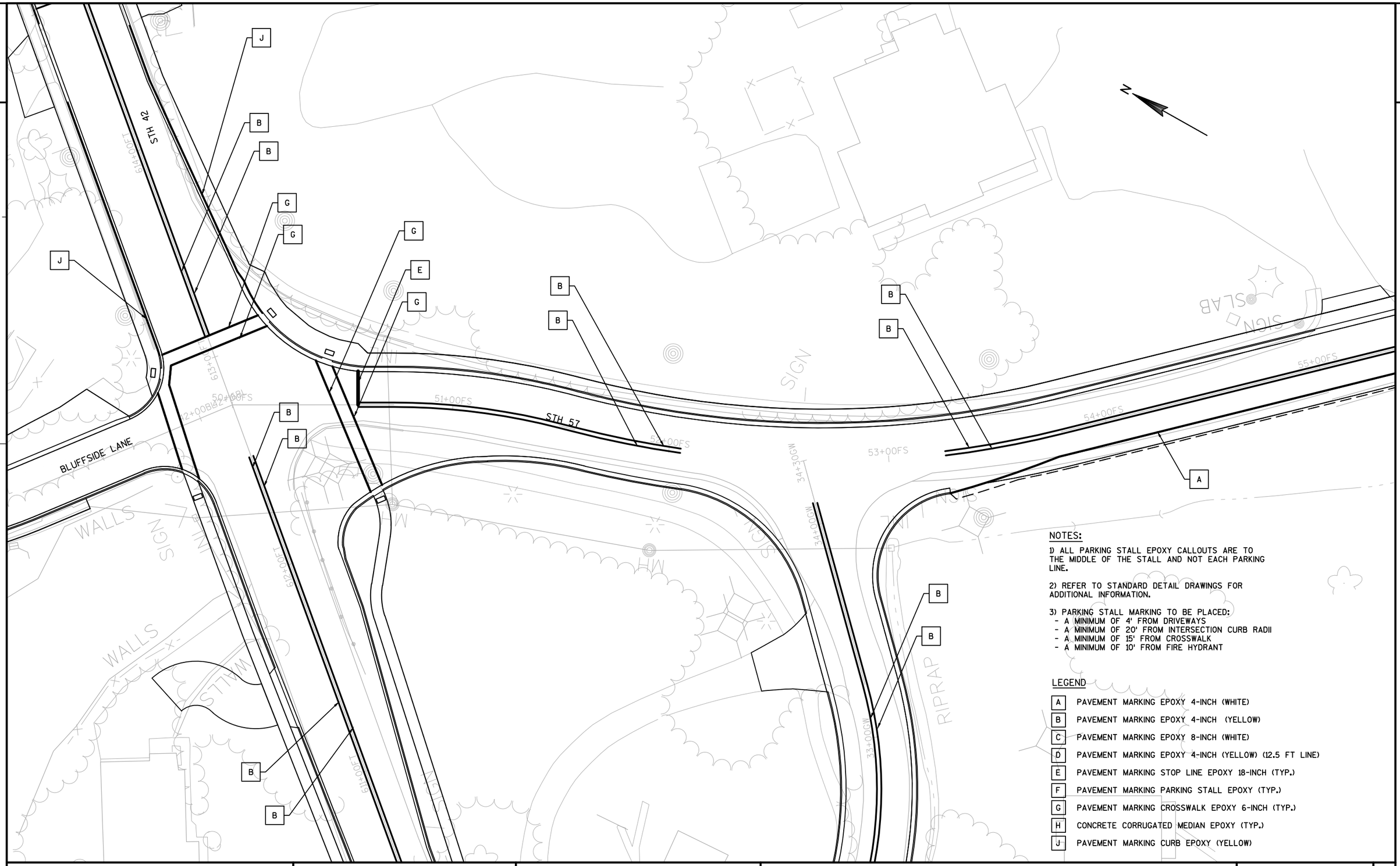
3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

LEGEND

A	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
B	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
C	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
D	PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
E	PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
F	PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
G	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
H	CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
J	PAVEMENT MARKING CURB EPOXY (YELLOW)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET 140	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\PAVEMENT MARKING\024501_PM.DWG
LAYOUT NAME - 024508
PLOT DATE : 2/24/2015 1:46 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42



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.

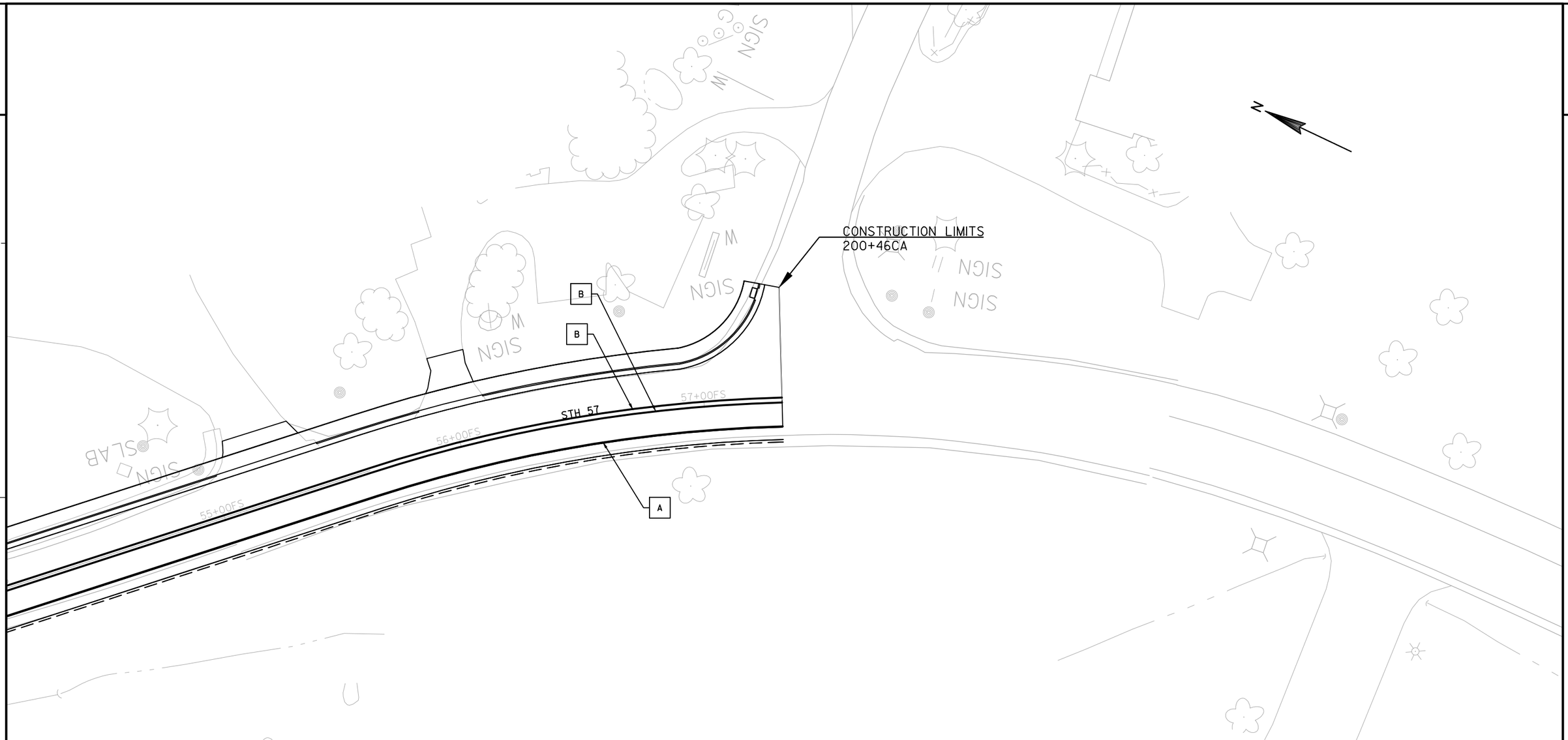
3) PARKING STALL MARKING TO BE PLACED:
- A MINIMUM OF 4' FROM DRIVEWAYS
- A MINIMUM OF 20' FROM INTERSECTION CURB RADII
- A MINIMUM OF 15' FROM CROSSWALK
- A MINIMUM OF 10' FROM FIRE HYDRANT

LEGEND

A	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
B	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
C	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
D	PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
E	PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
F	PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
G	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
H	CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
J	PAVEMENT MARKING CURB EPOXY (YELLOW)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET 141	E

2



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

LEGEND

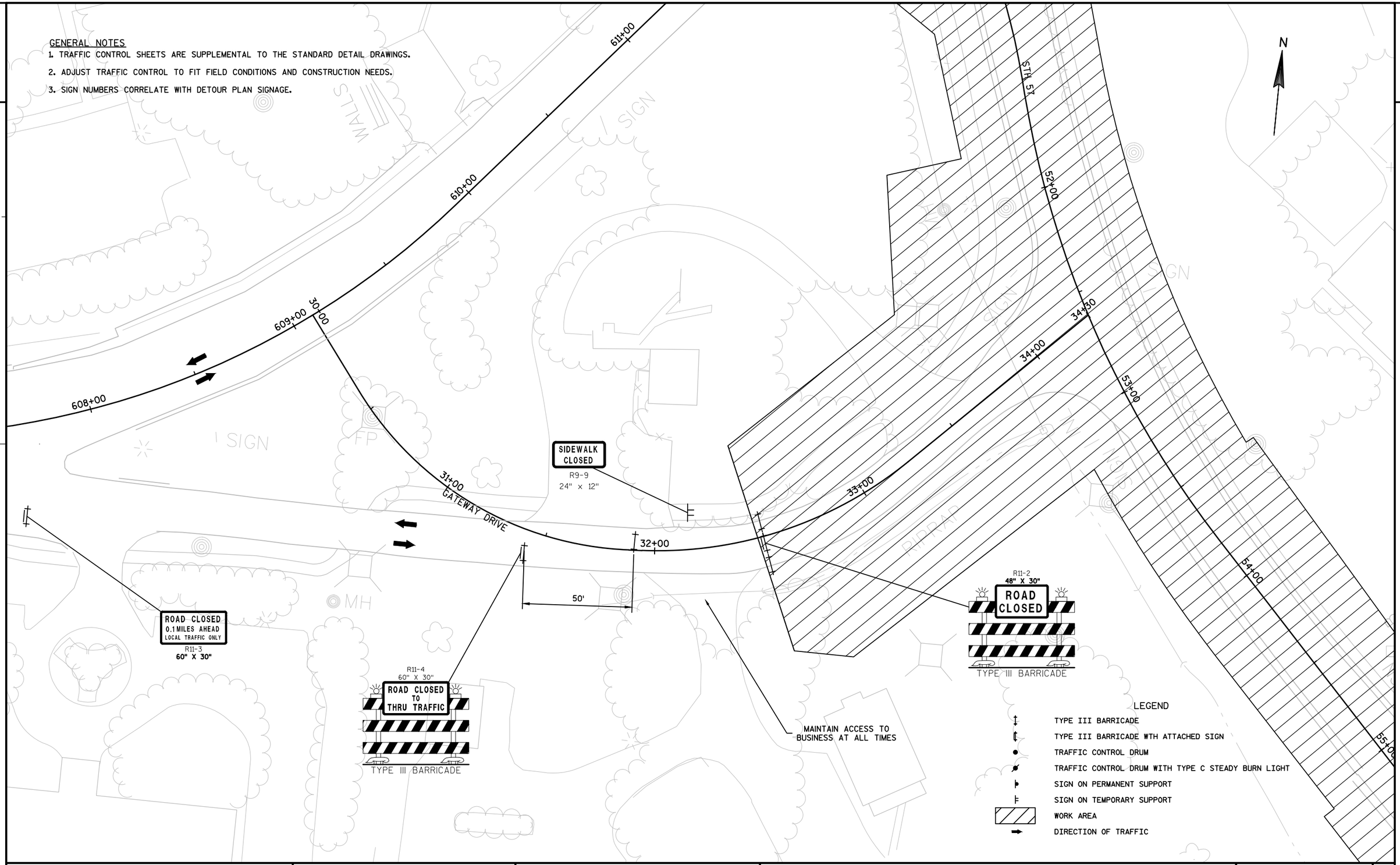
A	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
B	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
C	PAVEMENT MARKING EPOXY 8-INCH (WHITE)
D	PAVEMENT MARKING EPOXY 4-INCH (YELLOW) (12.5 FT LINE)
E	PAVEMENT MARKING STOP LINE EPOXY 18-INCH (TYP.)
F	PAVEMENT MARKING PARKING STALL EPOXY (TYP.)
G	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (TYP.)
H	CONCRETE CORRUGATED MEDIAN EPOXY (TYP.)
J	PAVEMENT MARKING CURB EPOXY (YELLOW)

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING	SHEET 142	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\PAVEMENT MARKING\024501_PM.DWG
LAYOUT NAME - 024510
PLOT DATE : 2/24/2015 1:48 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE WITH DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 1	SHEET 143	E

2

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE WITH DETOUR PLAN SIGNAGE.

N

SIDEWALK CLOSED
R9-9
24" x 12"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

29
ROAD CLOSED
R11-2
48" X 30"

30
DETOUR
M4-9R
30" X 24"

SIDEWALK CLOSED
R9-9
24" x 12"

614+00
613+00
42+00
42+16
50+00
51+00
STH 57
52+00
34+30
53+00
54+00
55+00
34+00
33+00
621+00
619+00
BLUFFSIDE LANE
GATEWAY DRIVE
WALLS
SIGN

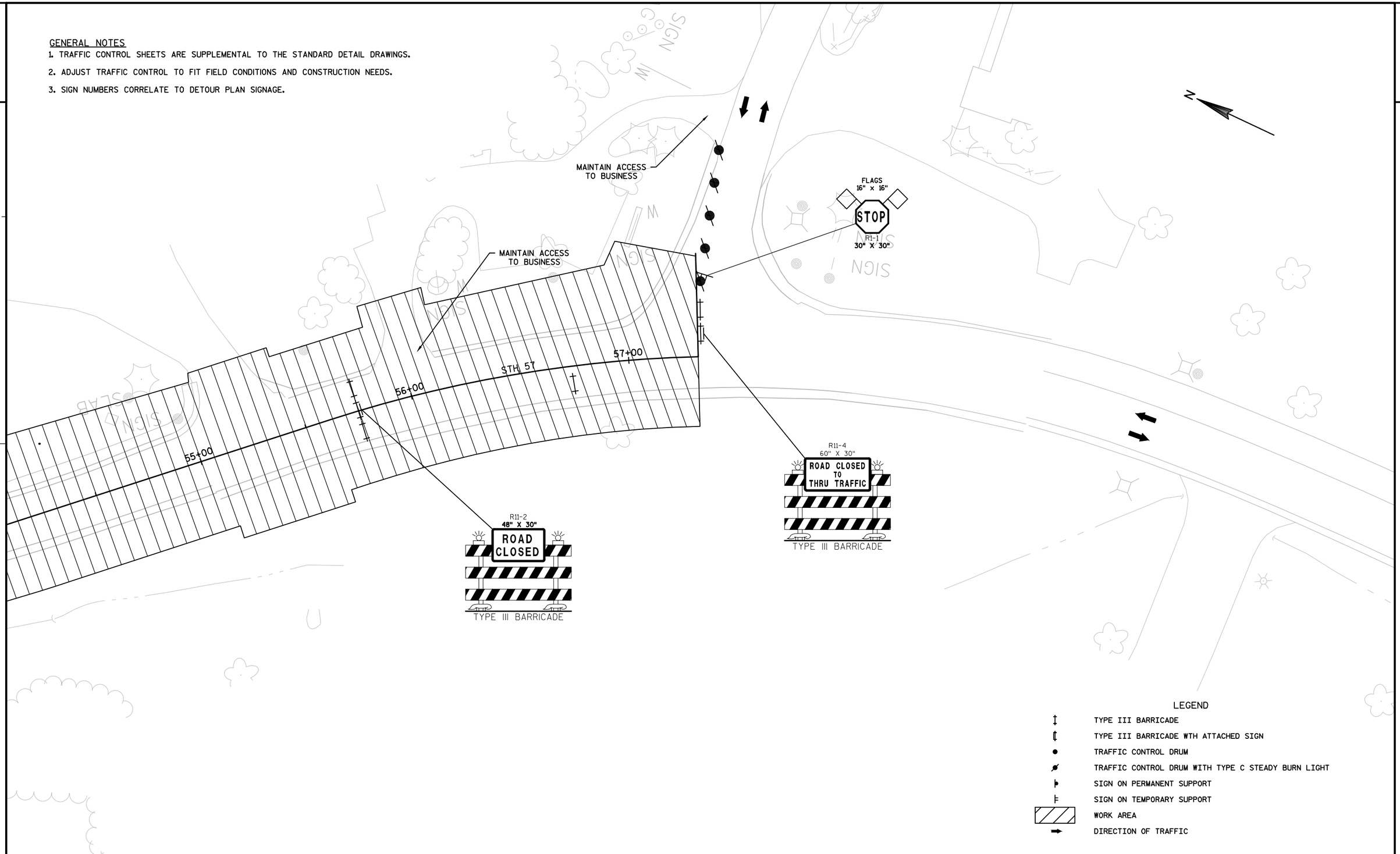
LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 1	SHEET 144	E

GENERAL NOTES

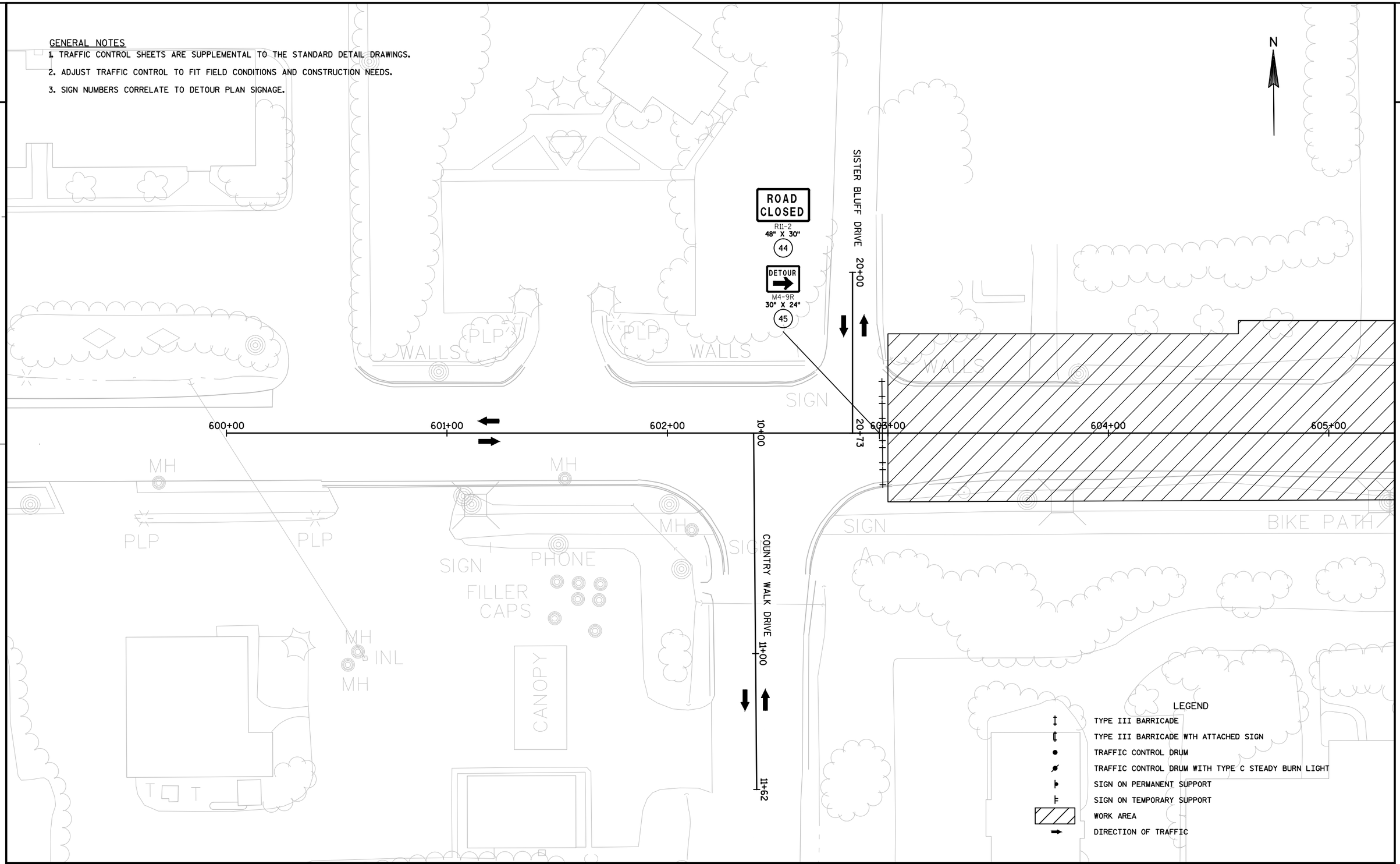
1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 1	SHEET 145	E

GENERAL NOTES

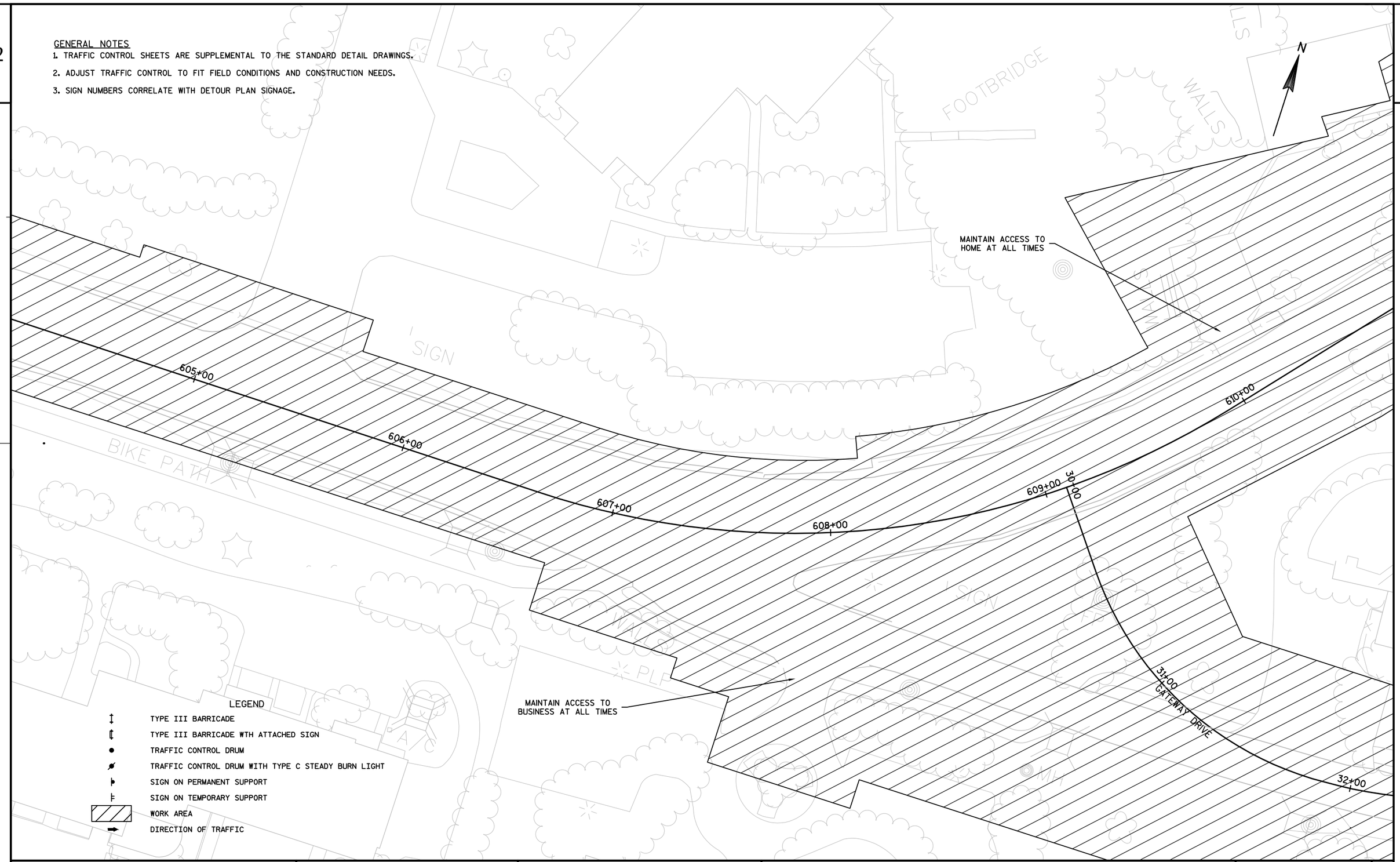
1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 2A	SHEET 146	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE WITH DETOUR PLAN SIGNAGE.



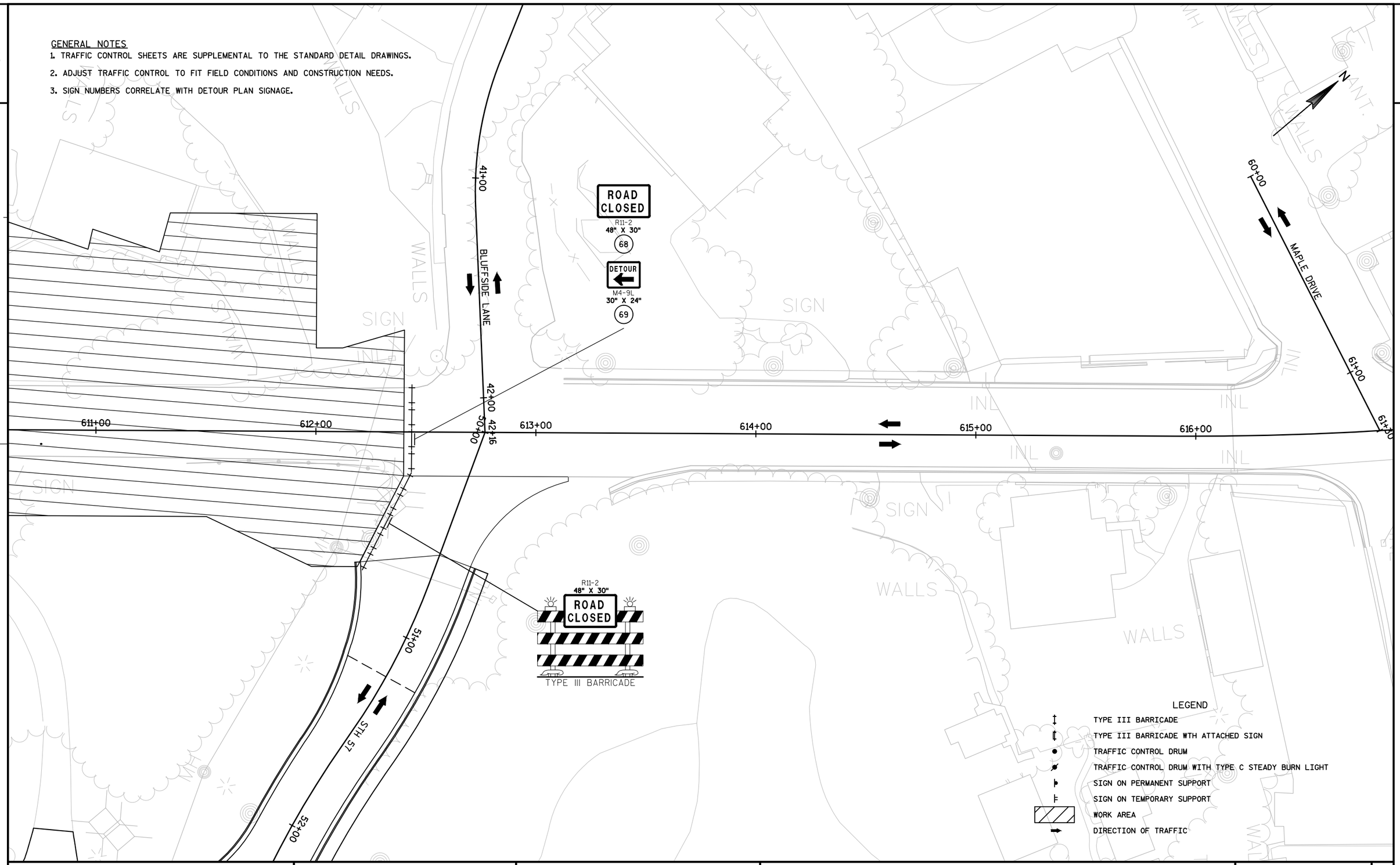
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 2A	SHEET 147	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\TRAFFIC CONTROL\025101_TC2A.DWG PLOT DATE : 1/30/2015 11:43 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : PLOT SCALE : 1 IN:40 FT

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE WITH DETOUR PLAN SIGNAGE.

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 2A	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\TRAFFIC CONTROL\025101_TC2A.DWG PLOT DATE : 1/30/2015 11:43 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : PLOT SCALE : 1 IN:40 FT

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE WITH DETOUR PLAN SIGNAGE.

MAINTAIN ACCESS TO HOME AT ALL TIMES

MAINTAIN ACCESS TO BUSINESS AT ALL TIMES

608+00
609+00
610+00
611+19
31+00
GATEWAY DRIVE
32+00
33+00
34+00
34+50
52+00
53+00
54+00
55+00
STH 57
50'
SIGN
RIPRAP

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

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

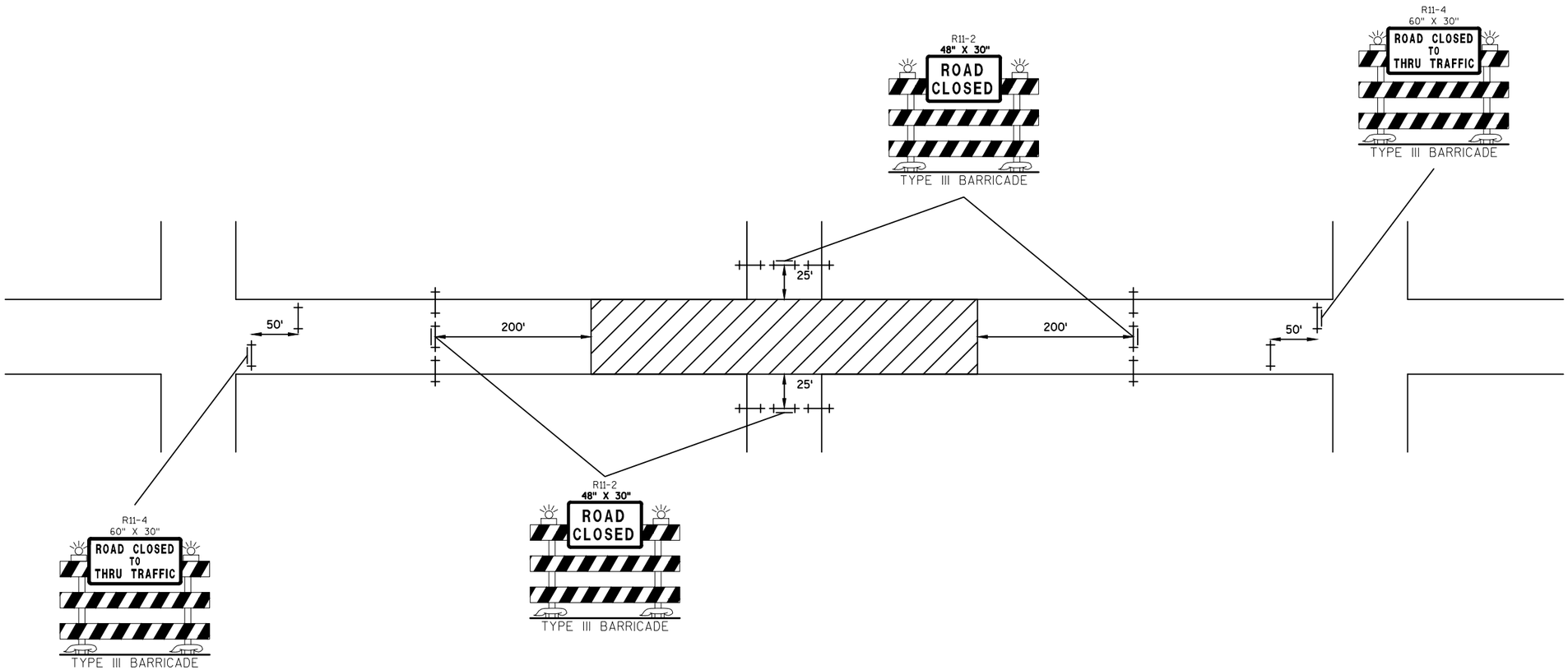
LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 2A	SHEET 149	E

GENERAL NOTES

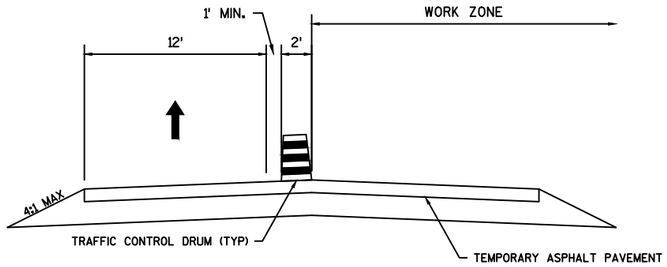
1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. MOVE ROAD CLOSED TO THRU TRAFFIC BARRICADES TO THE NEXT INTERSECTION IF THE ACTIVE WORK AREA IS WITHIN 350-FT OF AN INTERSECTION.
3. FIT SIDE ROAD CLOSURE BARRICADES TO FIELD CONDITIONS.
4. ADJUST TRAFFIC CONTROL REGULARLY TO FIT ACTIVE WORK AREAS.
5. USE IN COMBINATION WITH DETOUR ROUTE FOR STAGE 2B.



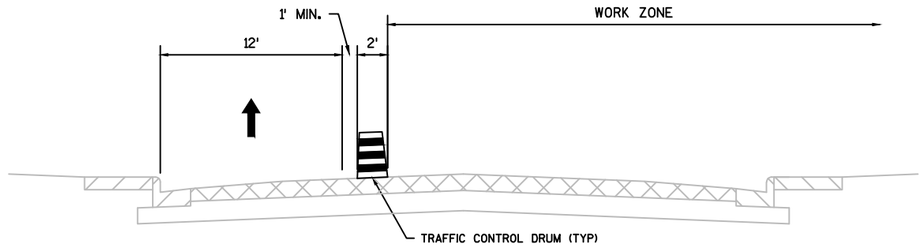
LEGEND

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

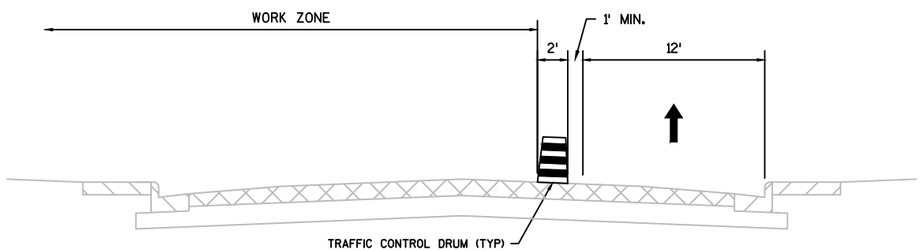
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 2B DETAIL	SHEET 150	E



STA 603+00 TO STA 612+40



STA 612+40 TO LANE SHIFT



LANE SHIFT TO STA 639+85

LEGEND

EXISTING PAVEMENT

NATURAL GROUND

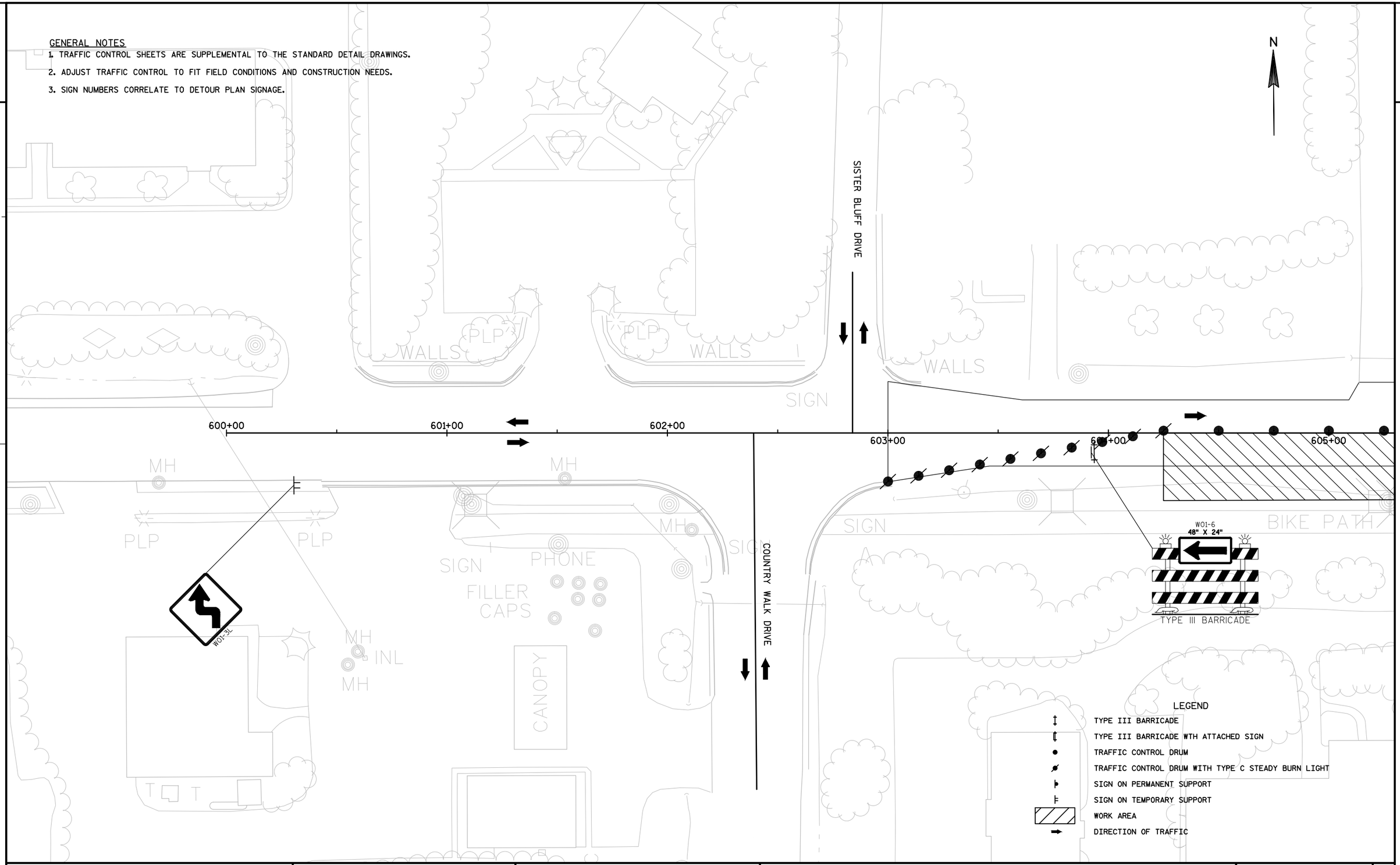
FINISHED PAVEMENT

TRAFFIC FLOW

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.

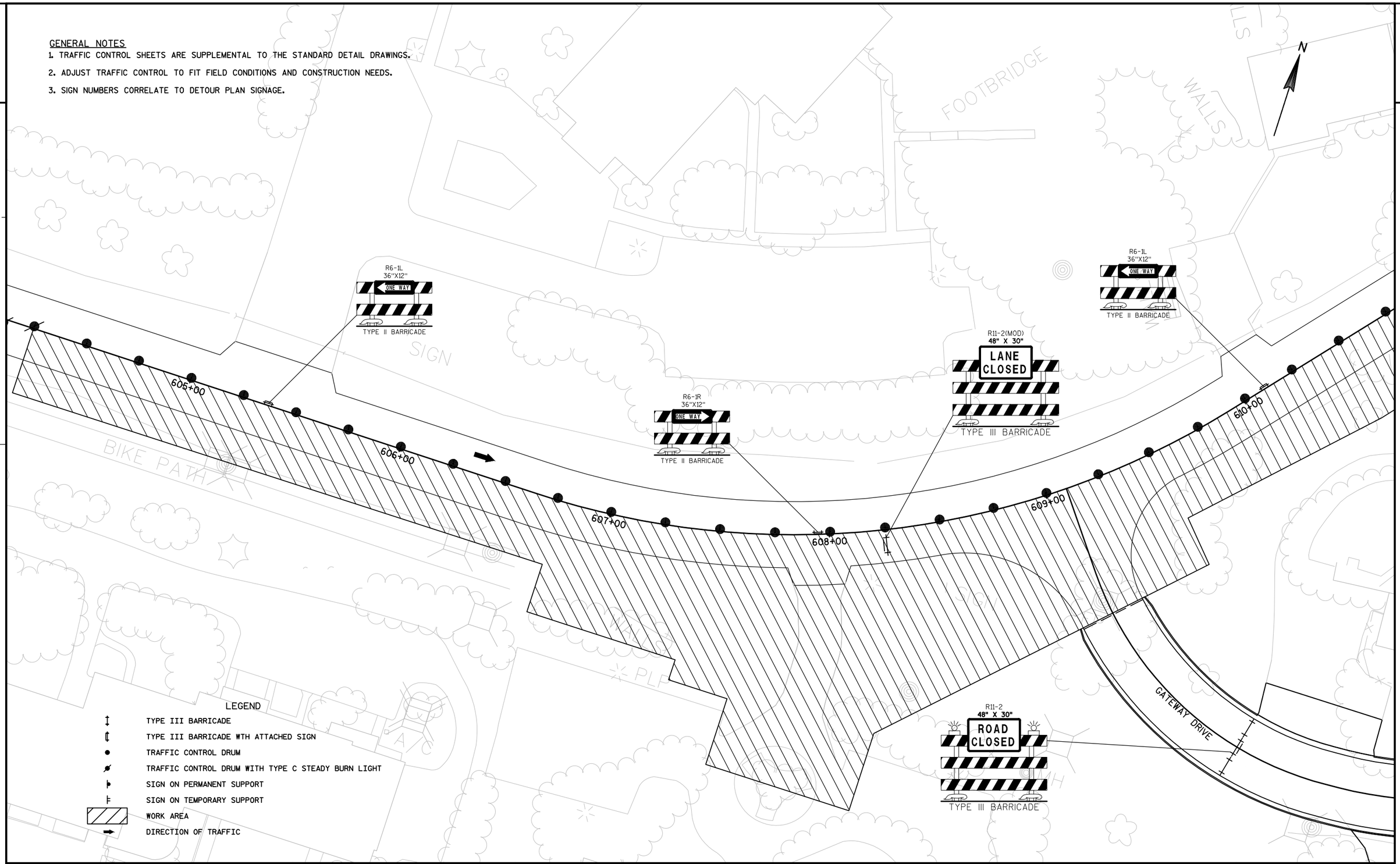
2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3A	SHEET 152	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3A	SHEET 153	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.

ROAD CLOSED
R11-2
48" X 30"
136

R3-1
24"X24"

R3-2
24"X24"

R3-1
24"X24"

DO NOT ENTER
R5-1
30"X30"

R6-1L
36"X12"
ONE WAY
TYPE II BARRICADE

R6-1L
36"X12"
ONE WAY
TYPE II BARRICADE

R6-1R
36"X12"
ONE WAY
TYPE II BARRICADE

R3-2
24"X24"

R3-1
24"X24"

DO NOT ENTER
R5-1
30"X30"

BLUFFSIDE LANE

MAPLE DRIVE

611+00 612+00 613+00 614+00 615+00 616+00

R11-2(MOD)
48" X 30"
LANE CLOSED
TYPE III BARRICADE

FLAGS
16" X 16"
STOP
R1-1
36" X 36"

R3-2
24"X24"

R11-2(MOD)
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R6-1R
36"X12"
ONE WAY
TYPE II BARRICADE

R11-2(MOD)
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STAGE INTERSECTION TO MAINTAIN TRAFFIC
(CONCRETE PAVEMENT GAPS)

STH 57

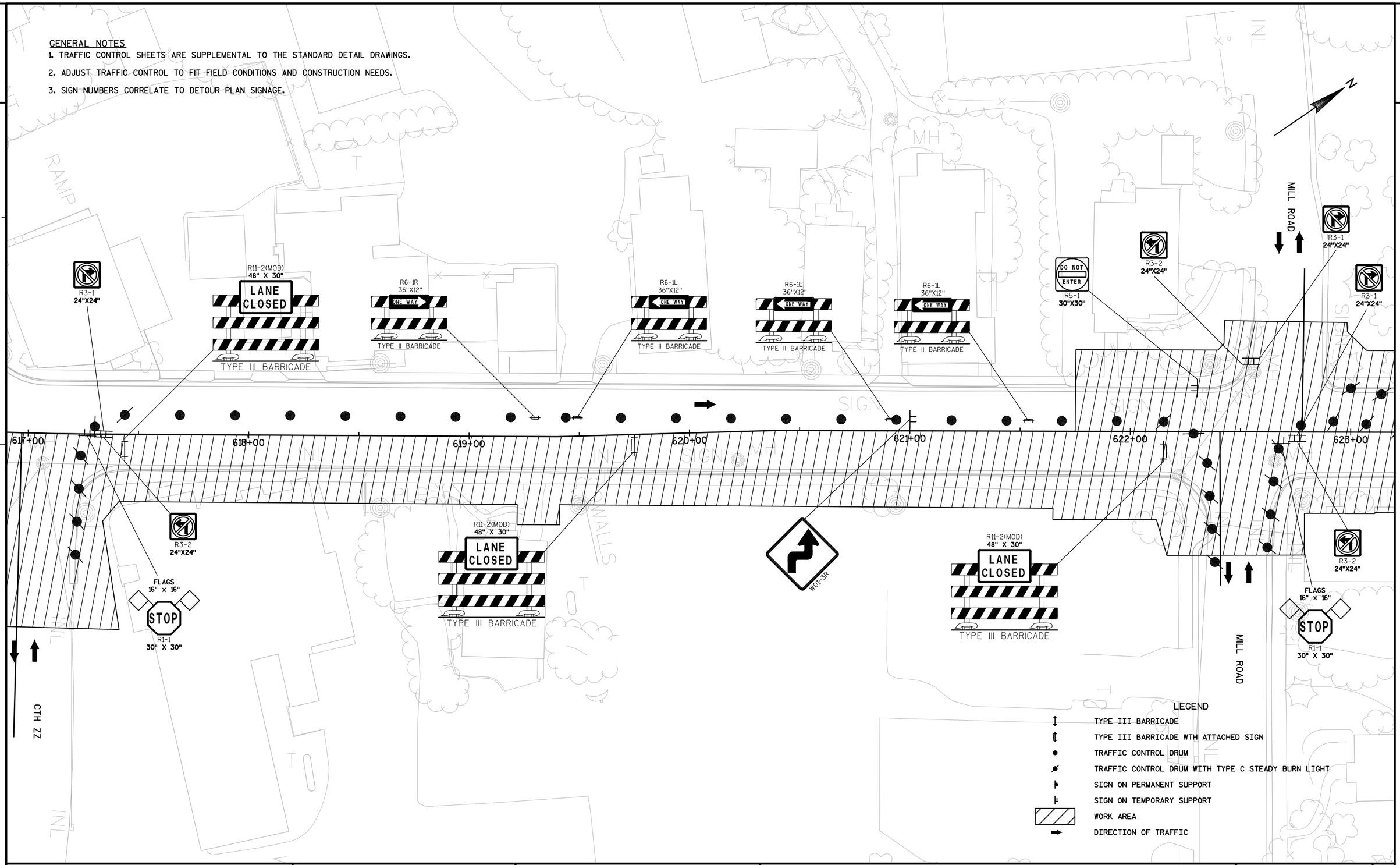
LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3A	SHEET 154	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3A	SHEET 155	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.

STAGE TRAFFIC SHIFT THROUGH WORK AREA AS NECESSARY TO MAINTAIN TRAFFIC

W01-6
48" X 30"
TYPE III BARRICADE

R6-1L
36"X12"
ONE WAY
TYPE II BARRICADE

R11-2(MOD)
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R6-1L
36"X12"
ONE WAY
TYPE II BARRICADE

624+00
625+00
626+00
627+00
628+00
629+00

R6-1R
36"X12"
ONE WAY
TYPE II BARRICADE

R6-1L
36"X12"
ONE WAY
TYPE II BARRICADE

R6-1R
36"X12"
ONE WAY
TYPE II BARRICADE

R6-1R
36"X12"
ONE WAY
TYPE II BARRICADE

R6-1R
36"X12"
ONE WAY
TYPE II BARRICADE

R6-1R
36"X12"
ONE WAY
TYPE II BARRICADE

LEGEND

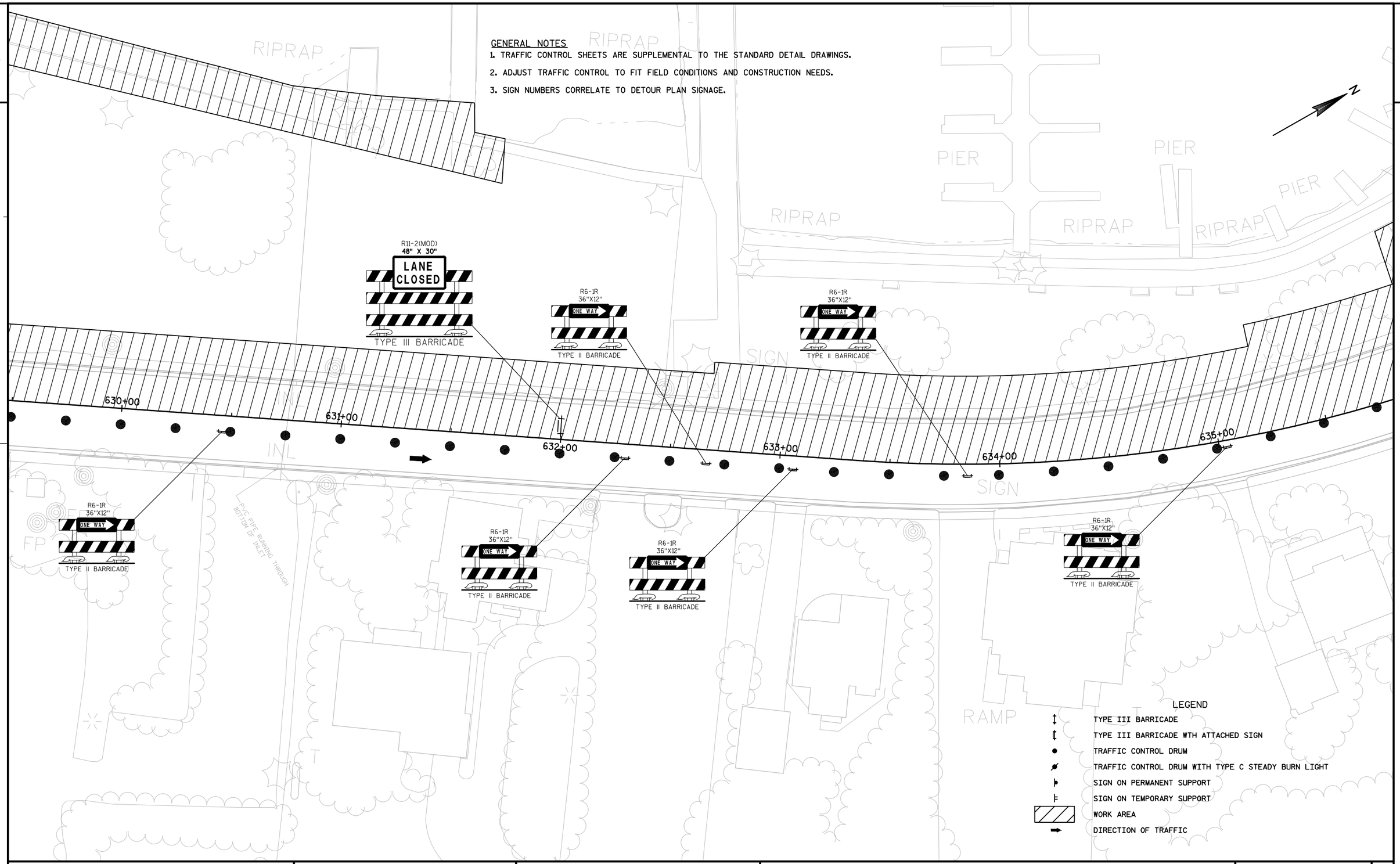
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3A	SHEET 156	E

2

GENERAL NOTES

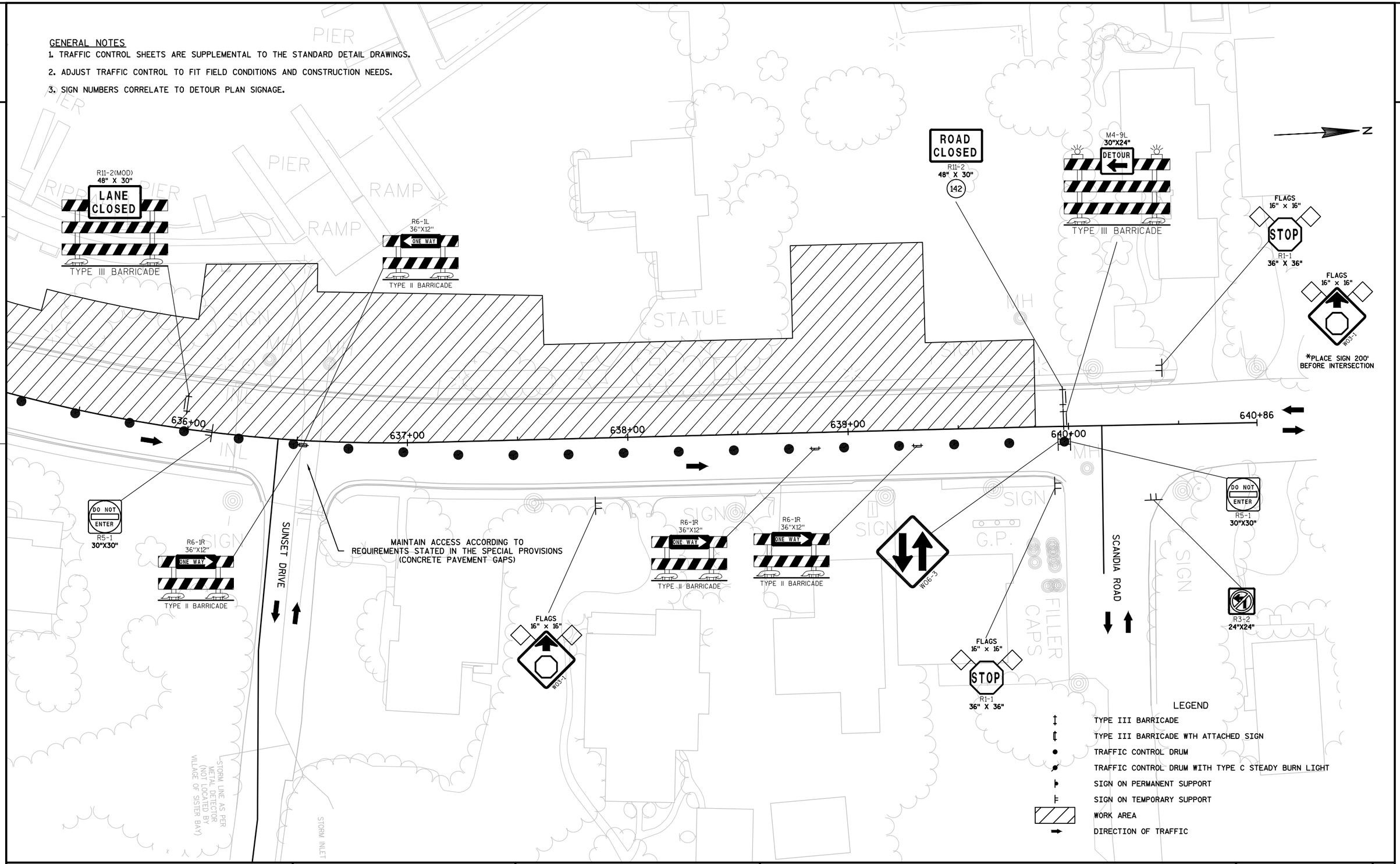
1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3A	SHEET 157	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3A	SHEET 158	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\TRAFFIC CONTROL\025301_TC3A.DWG PLOT DATE : 1/30/2015 11:47 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : PLOT SCALE : 1 IN:40 FT

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.

ROAD CLOSED
R11-2
48" X 30"
DETOUR
M4-9L
30"X24"

LANE CLOSED
R11-2(MOD)
48" X 30"

DO NOT ENTER
R5-1
30"X30"

W012-1R
24" X 24"

W06-3

BLUFFSIDE LANE

MAPLE DRIVE

STH 57

CTH ZZ

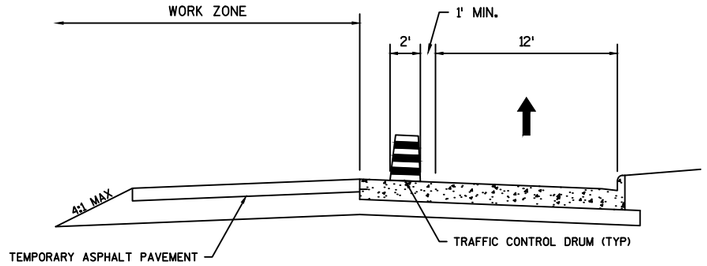
612+00 613+00 614+00 615+00 616+00 617+00

LEGEND

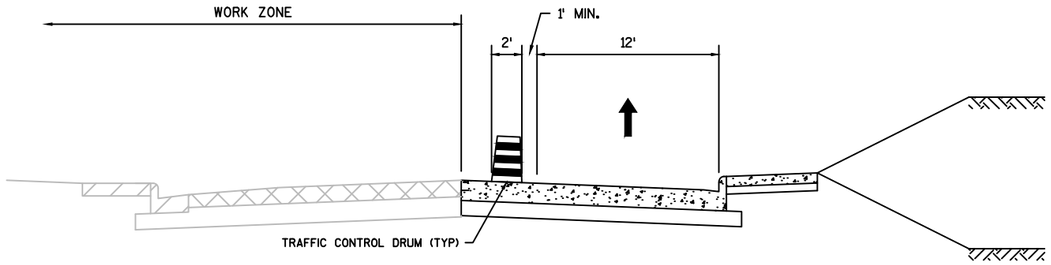
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - WINTER CLOSURE	SHEET 159	E

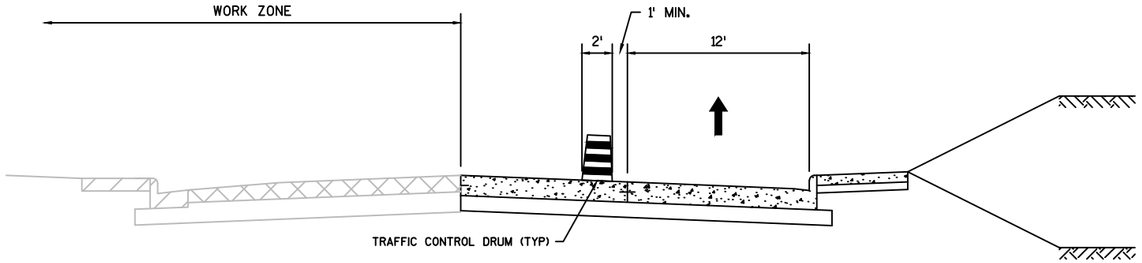
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\TRAFFIC CONTROL\025501_TC6.DWG PLOT DATE : 3/3/2015 6:36 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : PLOT SCALE : 1 IN:40 FT



STA 603+00 TO STA 612+40



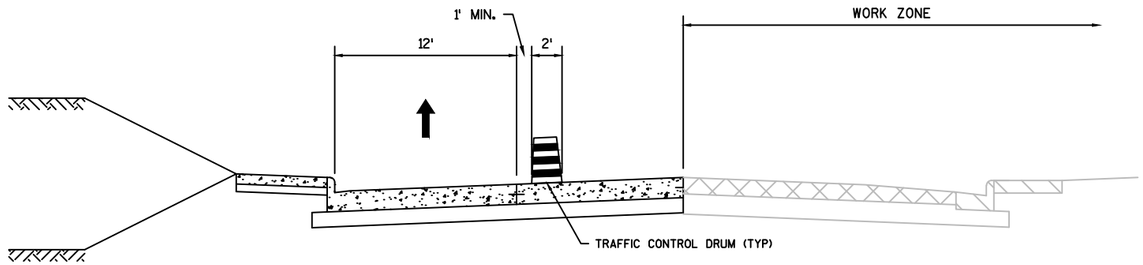
STA 612+40 TO STA 619+87



STA 619+87 TO LANE SHIFT

LEGEND

EXISTING PAVEMENT
NATURAL GROUND
FINISHED PAVEMENT
TRAFFIC FLOW

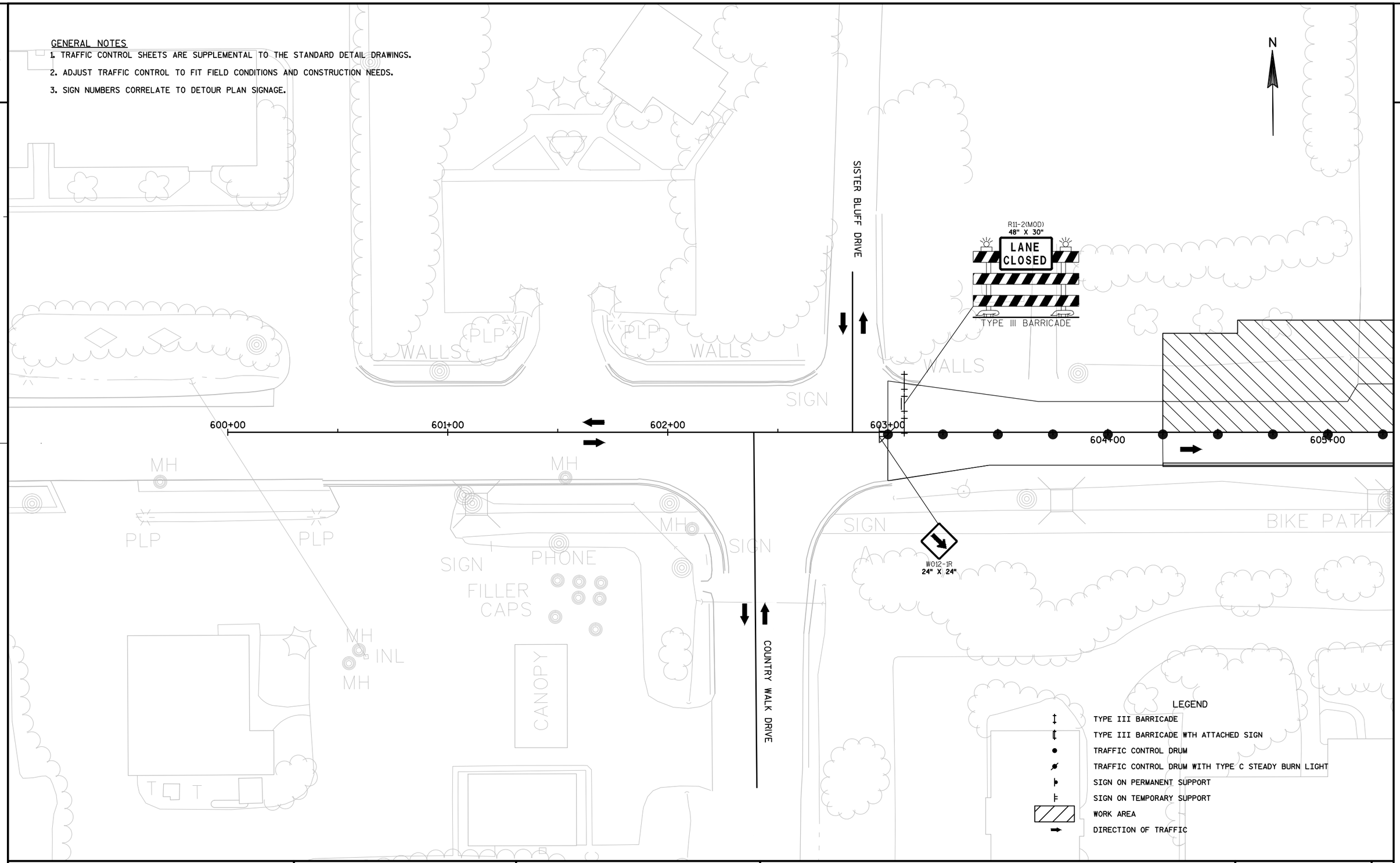


LANE SHIFT TO STA 639+85

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - TYPICAL SECTIONS - STAGE 3B	SHEET 160	E

GENERAL NOTES

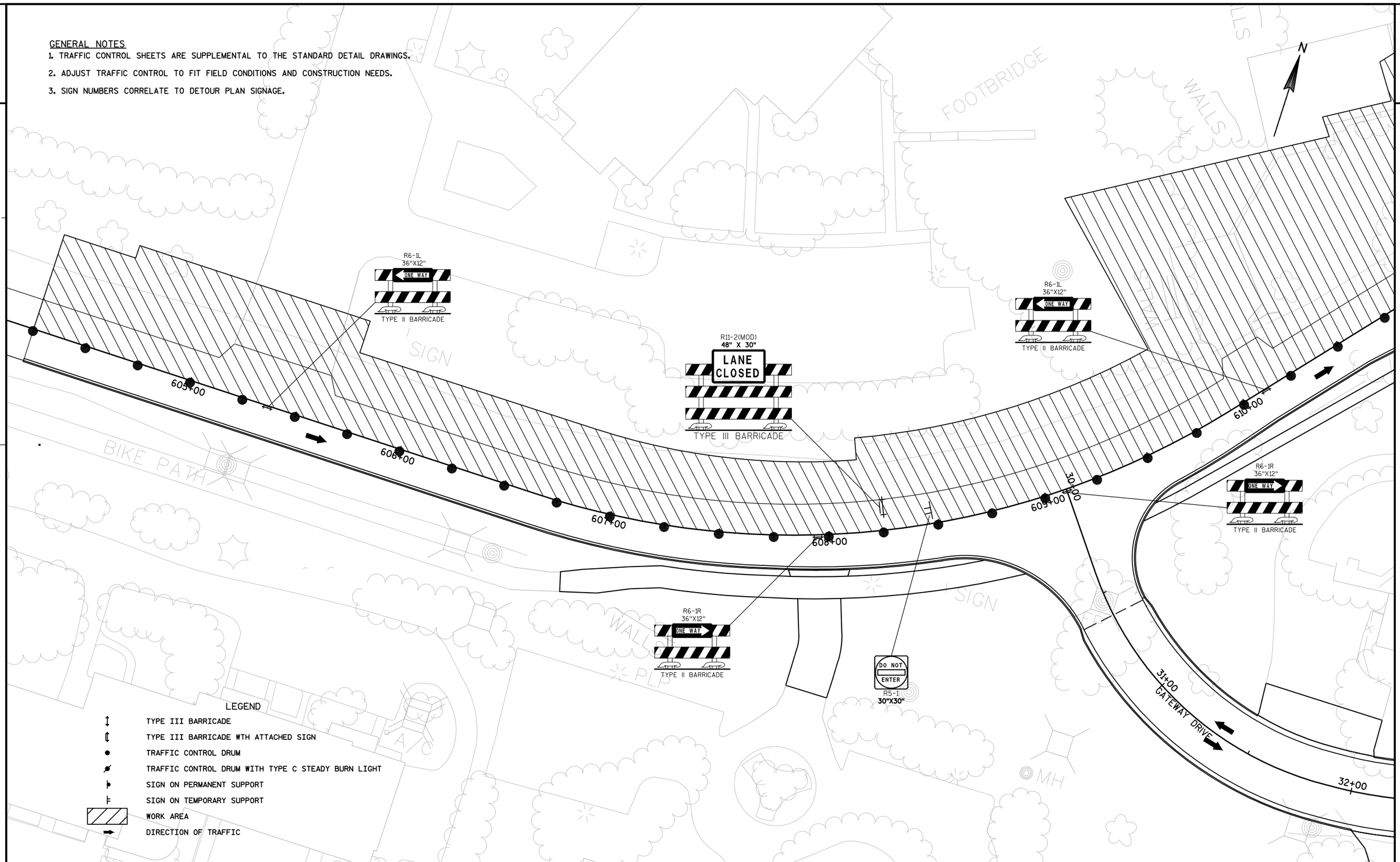
1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3B	SHEET 161	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



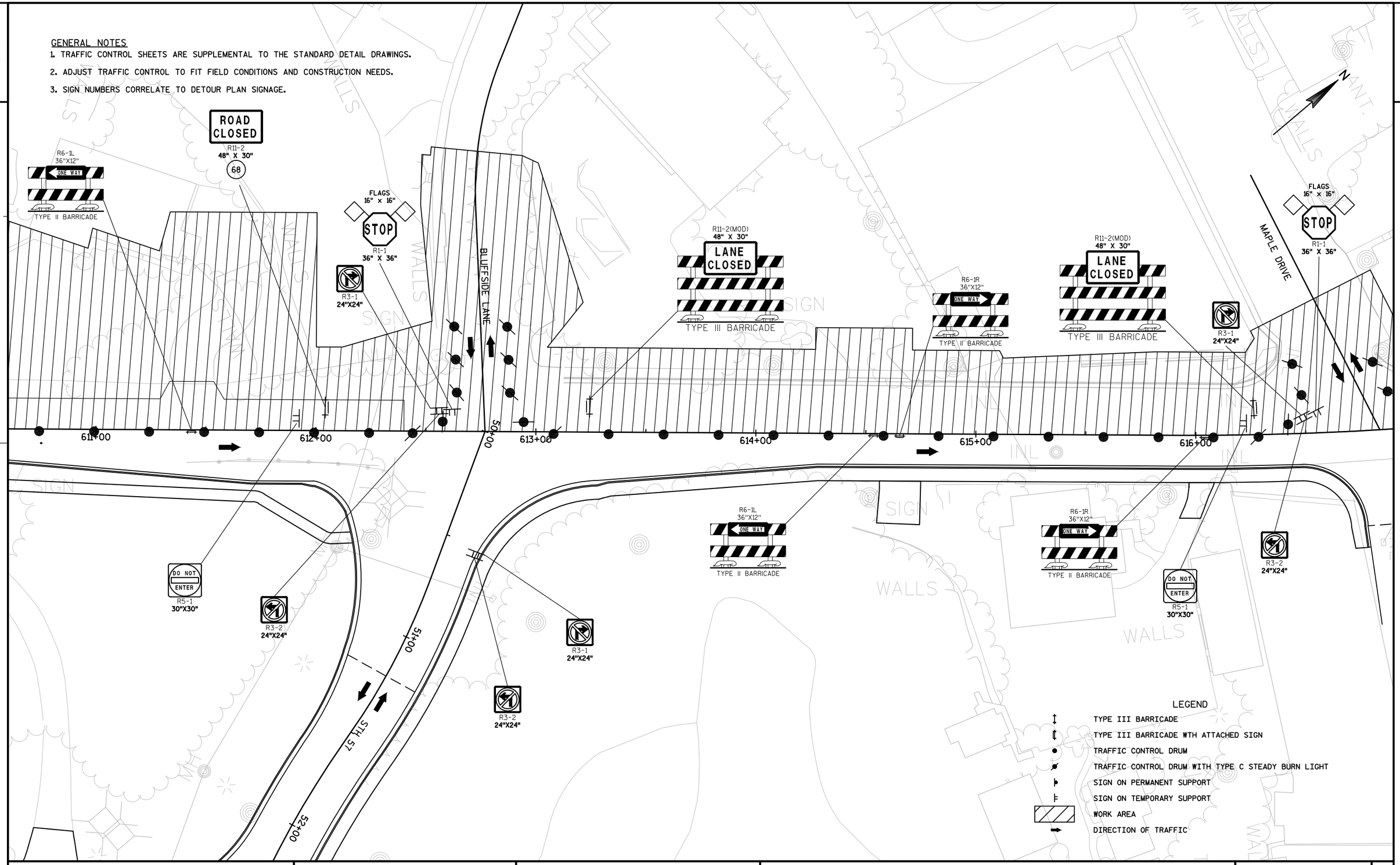
LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3B	SHEET 162	E

GENERAL NOTES

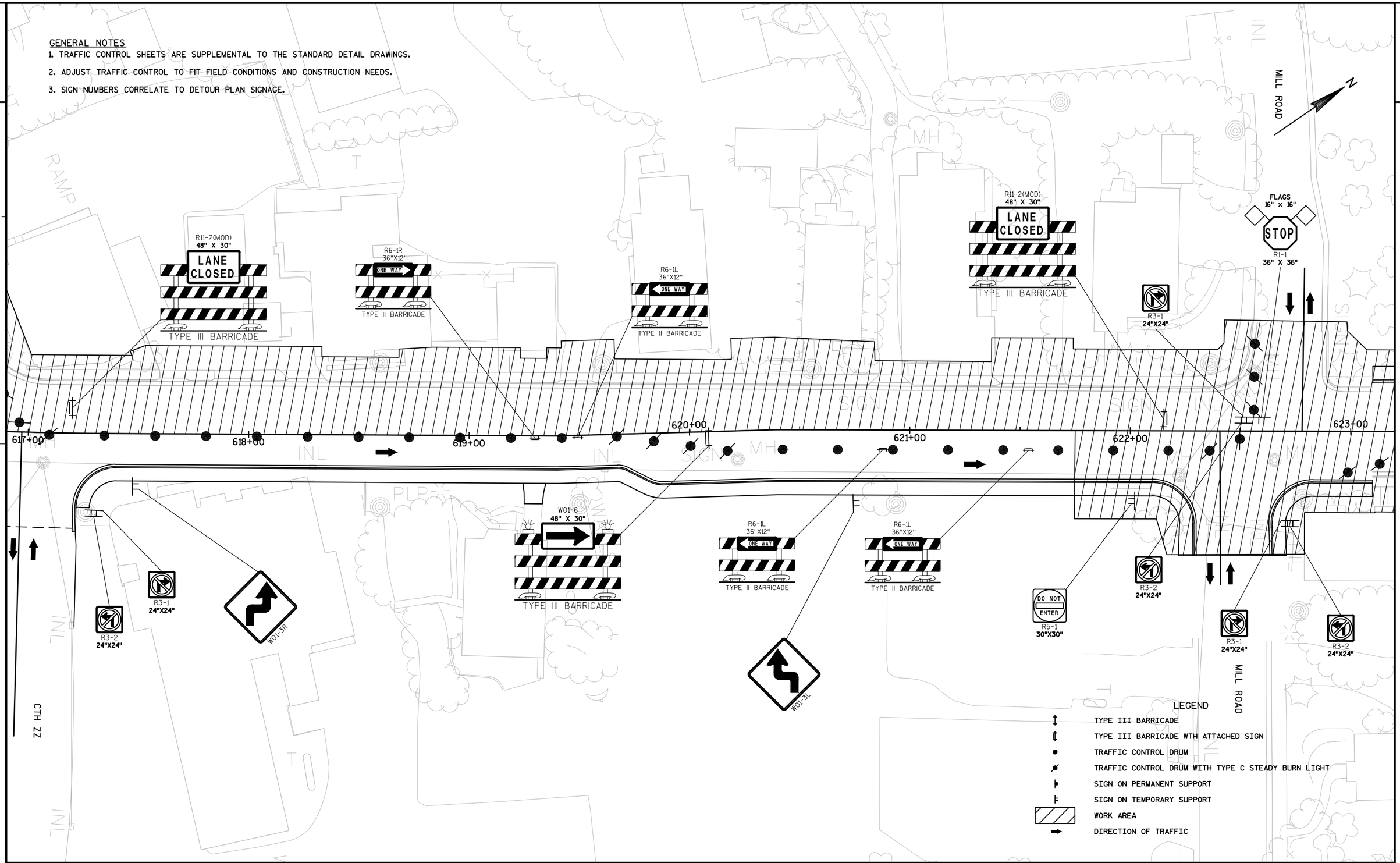
1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3B	SHEET 163	E

GENERAL NOTES

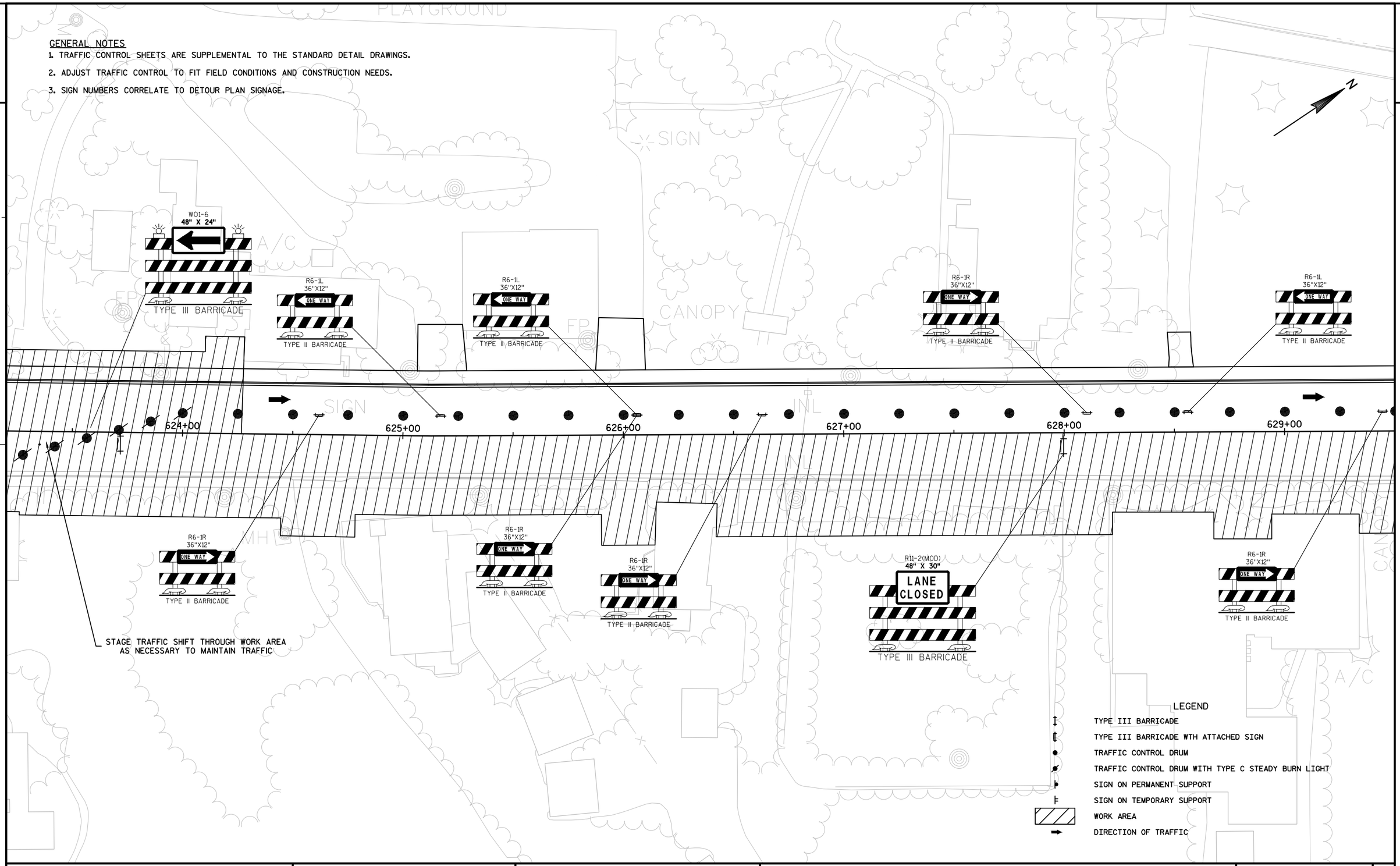
1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3B	SHEET 164 E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.

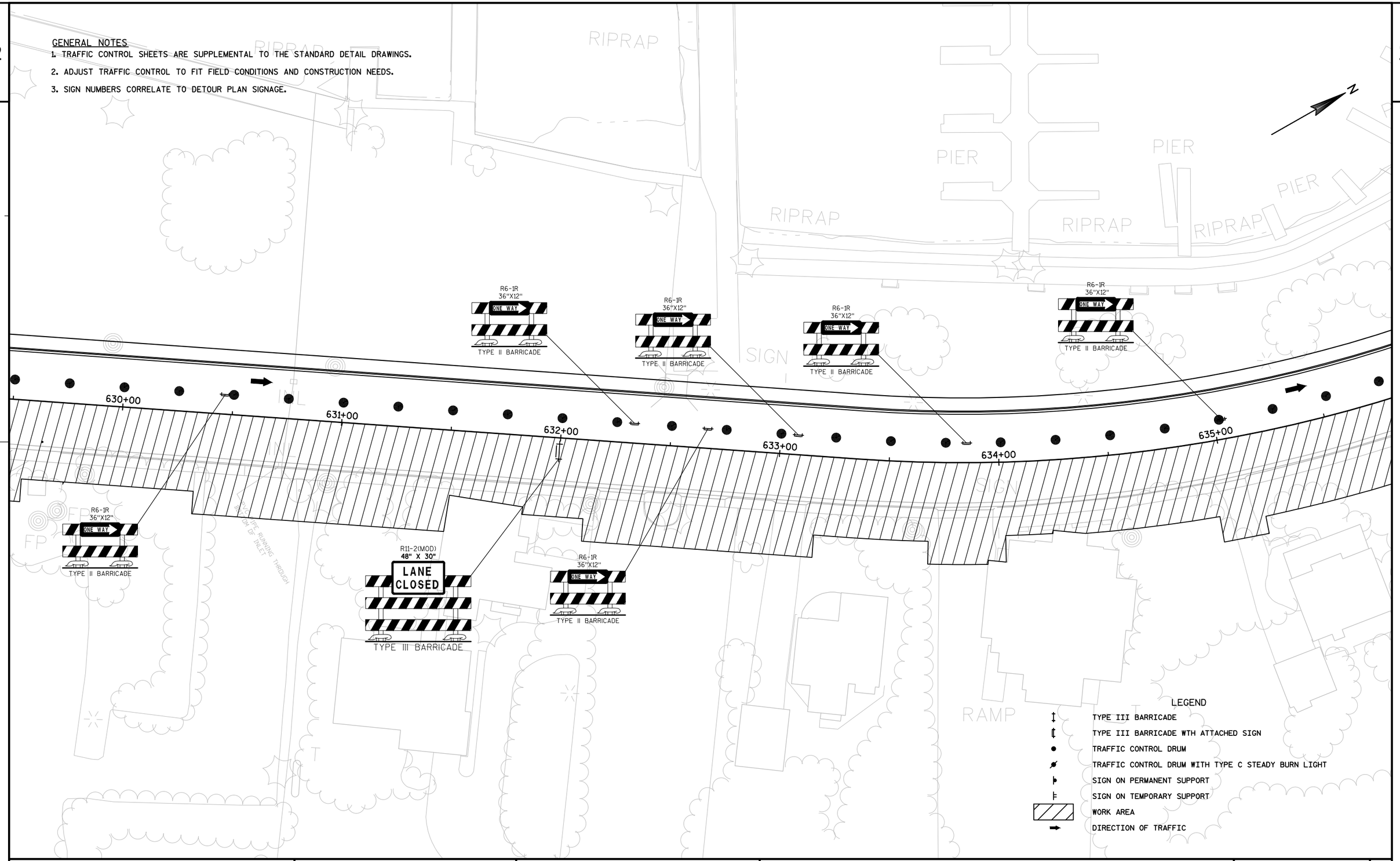


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3B	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\TRAFFIC CONTROL\025401_TC3B.DWG PLOT DATE : 1/30/2015 11:50 AM PLOT BY : LECLAIR, TYLER T PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

GENERAL NOTES

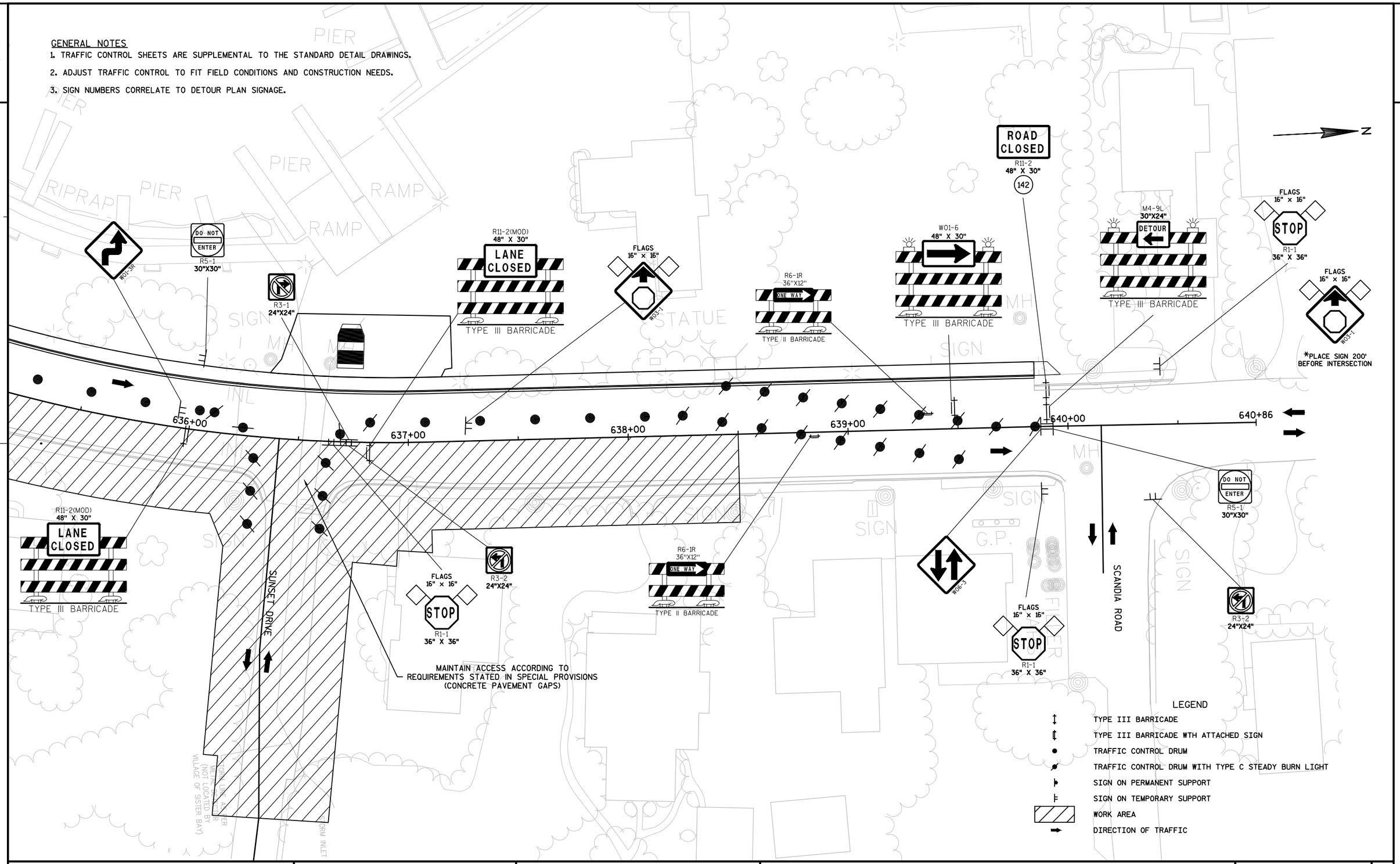
1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3B	SHEET 166	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE TO DETOUR PLAN SIGNAGE.



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3B	SHEET 167	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE WITH DETOUR PLAN SIGNAGE.

N

R11-2(MOD)
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ONE WAY
R6-1R
36"X12"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SISTER BLUFF DRIVE

600+00 601+00 602+00 603+00 604+00 605+00

20+00

10+00

20+73

*CONTINUE INTO STAGE 3B TRAFFIC CONTROL

W012-1R
24" X 24"

ONE WAY
R6-1L
36"X12"

ONE WAY
R6-1L
36"X12"

DO NOT ENTER
R5-1
30"X30"

ONE WAY
R6-1R
36"X12"

COUNTRY WALK DRIVE

11+00

11+62

BIKE PATH

LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3C	SHEET 168	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE WITH DETOUR PLAN SIGNAGE.

*PLACE A W14-2 SIGN, (30" X 30") WITH FLAGS, ON TEMPORARY SUPPORTS IN BOTH OF THE SOUTH QUADRANTS OF HILL ROAD / STH 42 TO INTERCEPT SOUTHBOUND TRAFFIC.

FLAGS 16" X 16"
NO OUTLET
W14-2 30"X30"

FLAGS 16" X 16"
NO OUTLET
W14-2 30"X30"

N

ONE WAY
R6-1R 36"X12"

ONE WAY
R6-1L 36"X12"

*CONTINUE OUT OF STAGE 3B TRAFFIC CONTROL

636+00 637+00 638+00 639+00 640+00 640+86

100+00 101+00 110+00 110+67

SUNSET DRIVE

SCANDIA ROAD

R11-2 48" X 30"
ROAD CLOSED
TYPE III BARRICADE

LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3C	SHEET 169	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE WITH DETOUR PLAN SIGNAGE.

N

W01-6
48" X 24"
TYPE III BARRICADE

ONE WAY
R6-1R
36"X12"

ONE WAY
R6-1L
36"X12"

ONE WAY
R6-1L
36"X12"

SISTER BLUFF DRIVE

20+00

*COORDINATE WITH STAGE 3B TRAFFIC CONTROL

600+00 601+00 602+00 10+00 20+73 603+00 604+00 605+00

W01-3L
PLACE SIGN 200'
BEFORE TAPER

ONE WAY
R6-1L
36"X12"

COUNTRY WALK DRIVE

11+00

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

11+62

LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3D	SHEET 170	E

GENERAL NOTES

1. TRAFFIC CONTROL SHEETS ARE SUPPLEMENTAL TO THE STANDARD DETAIL DRAWINGS.
2. ADJUST TRAFFIC CONTROL TO FIT FIELD CONDITIONS AND CONSTRUCTION NEEDS.
3. SIGN NUMBERS CORRELATE WITH DETOUR PLAN SIGNAGE.

*PLACE A W14-2 SIGN, (30" X 30") WITH FLAGS, ON TEMPORARY SUPPORTS IN BOTH OF THE SOUTH QUADRANTS OF HILL ROAD / STH 42 TO INTERCEPT SOUTHBOUND TRAFFIC.

FLAGS 16" X 16"
NO OUTLET
W14-2 30"X30"

FLAGS 16" X 16"
NO OUTLET
W14-2 30"X30"

N

R11-2 48" X 30"
ROAD CLOSED
TYPE III BARRICADE

*COORDINATE WITH STAGE 3B TRAFFIC CONTROL

636+00 637+00 638+00 639+00 640+00 640+86

100+00 101+00 110+00 110+67

SUNSET DRIVE

SCANDIA ROAD

ONE WAY
R6-1R 36"X12"

W06-3

DO NOT ENTER
R5-1 30"X30"

PIER RIPRAP PIER PIER RAMP RAMP STATUE SIGN MH INL FILLER CAPS

LEGEND

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

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	TRAFFIC CONTROL - STAGE 3D	SHEET 171	E

2

2

N

STAGE 3C & 3D
(SHEETS 8,9, & 10 OF 10)

STAGE 3A & 3B
(SHEETS 5, 6, 7 OF 10)

42

N BAYSHORE DR

N SPRING RD

CARDINAL CT

BIRCHWOOD RD

ROBIN LN

PLEASANT CT

SCANDIA RD

SISTER BAY

SUNSET DR

STAGE 2B
(SHEET 4 OF 10)

S SPRING RD

MILL RD

MAPLE DR

MEADOW LA

CHALET LA

S BAYSHORE DR

N HIGHLAND RD

SISTER BLUFF DR

FIELDCREST RD

S HIGHLAND RD

COUNTRY WALK DR

GATEWAY DR

CANTERBERRY LN

42

APPLEWOOD RD

STAGE 1
(SHEET 2 OF 10)

STAGE 2A
(SHEET 3 OF 10)

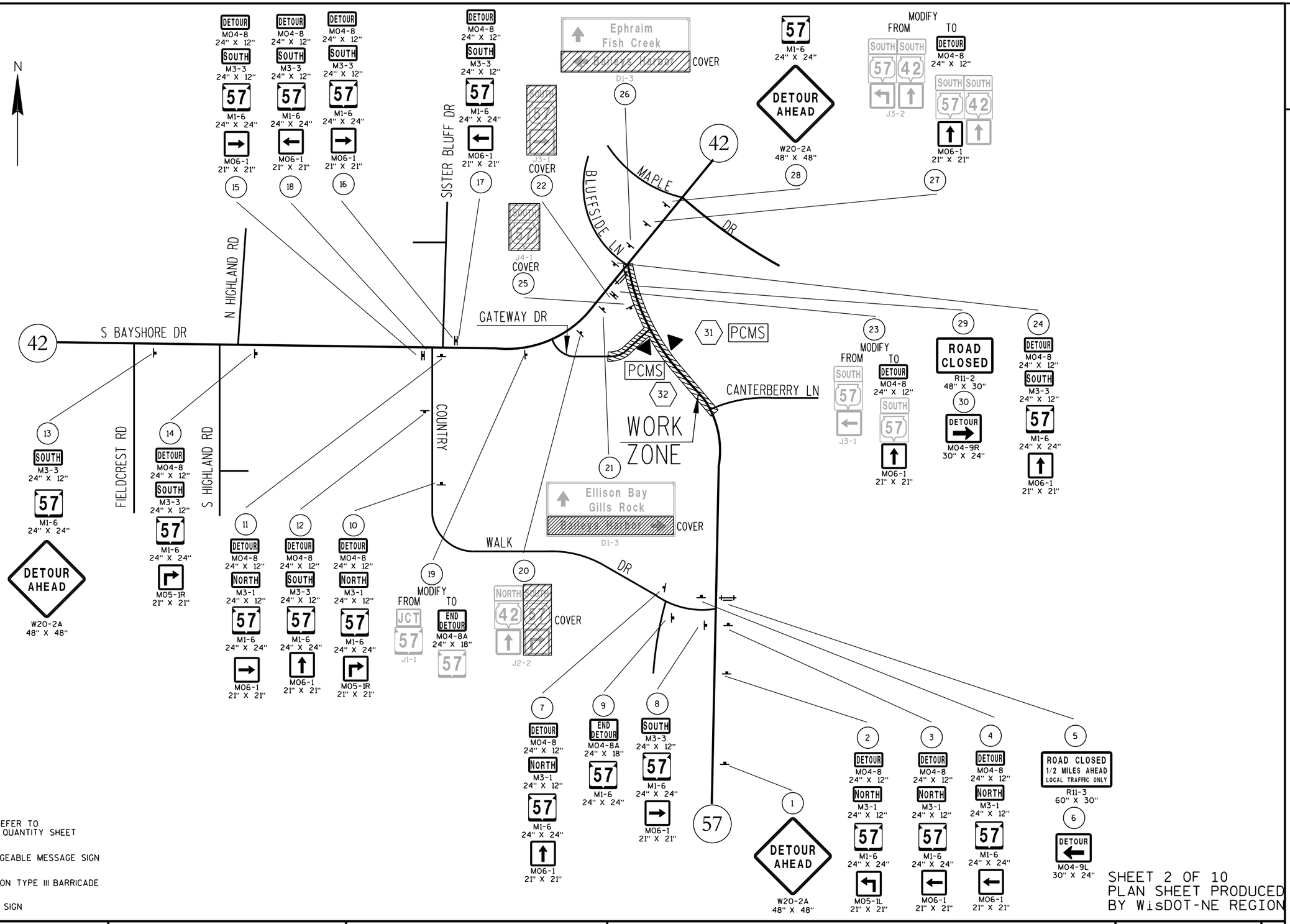
57

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 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL-OVERVIEW	SHEET 172	E



SHEET 2 OF 10
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL-STAGE 1	SHEET 173	E

FILE NAME : F:\d3_461006\detours.dgn PLOT DATE : 15-DEC-2014 15:01 PLOT BY : ditjbs PLOT NAME : DETOURS2.I PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

N

WORK ZONE

COVER
Superior
Fish Creek
Baileys Harbor
D1-3
64

DETOUR AHEAD
W20-2A
48" X 48"
62

MODIFY
FROM SOUTH 57 SOUTH 42
TO DETOUR M04-8 24" X 12"
SOUTH 57 42
M05-1L 21" X 21"
J2-2
63

ROAD CLOSED
R11-2
48" X 30"
DETOUR M04-9L 30" X 24"
68
69

MODIFY
FROM 42 J4-1
TO 42 M06-1 21" X 21"
61

DETOUR M04-8 24" X 12"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"
66

COVER
Superior
Ellison Bay
Gills Rock
D1-3
60

DETOUR M04-8 24" X 12"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"
65

DETOUR M04-8 24" X 12"
NORTH M3-1 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"
43

ROAD CLOSED
R11-2
48" X 30"
44
DETOUR M04-9R 30" X 24"
45

DETOUR AHEAD
W20-2A
48" X 48"
40

DETOUR M04-8 24" X 12"
NORTH M3-1 24" X 12"
42 M1-6 24" X 24"
M05-1R 21" X 21"
41

42

S BAYSHORE DR

N HIGHLAND RD

SISTER BLUFF DR

BLUFFSIDE LN

MAPLE DR

PCMS
71

GATEWAY DR
70
PCMS

67
DETOUR M04-8 24" X 12"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"

CANTERBURY LN

DETOUR M04-8 24" X 12"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"
55

DETOUR M04-8 24" X 12"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"
56

DETOUR M04-8 24" X 12"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"
51

DETOUR M04-8 24" X 12"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M05-1L 21" X 21"
52

DETOUR AHEAD
W20-2A
48" X 48"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
53

58
MODIFY
FROM JCT 42 J1-1
TO END DETOUR M04-8A 24" X 18"
42

59
SOUTH 42 NORTH 42
J2-2
COVER

48
END DETOUR M04-8A 24" X 18"
42 M1-6 24" X 24"
WALK

COUNTRY

DR

JUDITH BLAZER DR

FIELDCREST RD

S HIGHLAND RD

42
DETOUR M04-8 24" X 12"
NORTH M3-1 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"

47
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"

46
DETOUR M04-8 24" X 12"
NORTH M3-1 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"

57
DETOUR M04-8 24" X 12"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M05-1R 21" X 21"

54
DETOUR M04-8 24" X 12"
SOUTH M3-3 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"

49
DETOUR M04-8 24" X 12"
NORTH M3-1 24" X 12"
42 M1-6 24" X 24"
M05-1L 21" X 21"

50
DETOUR M04-8 24" X 12"
NORTH M3-1 24" X 12"
42 M1-6 24" X 24"
M06-1 21" X 21"

LEGEND

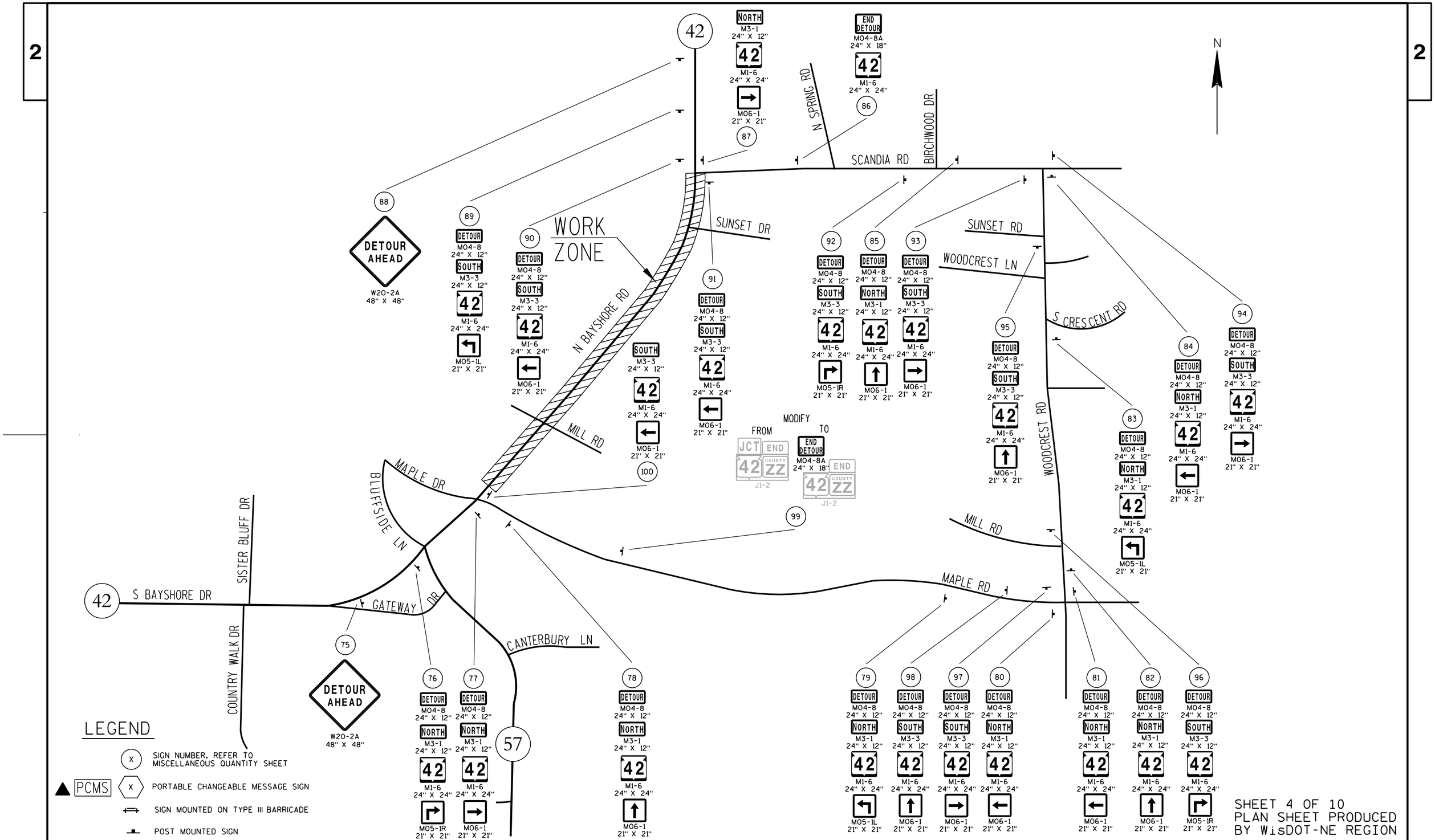
- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

SHEET 3 OF 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL-STAGE 2A	SHEET 174	E

FILE NAME : F:\d3_461006\detours.dgn PLOT DATE : 26-JAN-2015 14:00 PLOT BY : ditjbs PLOT NAME : DETOURS3.I PLOT SCALE : 200:1

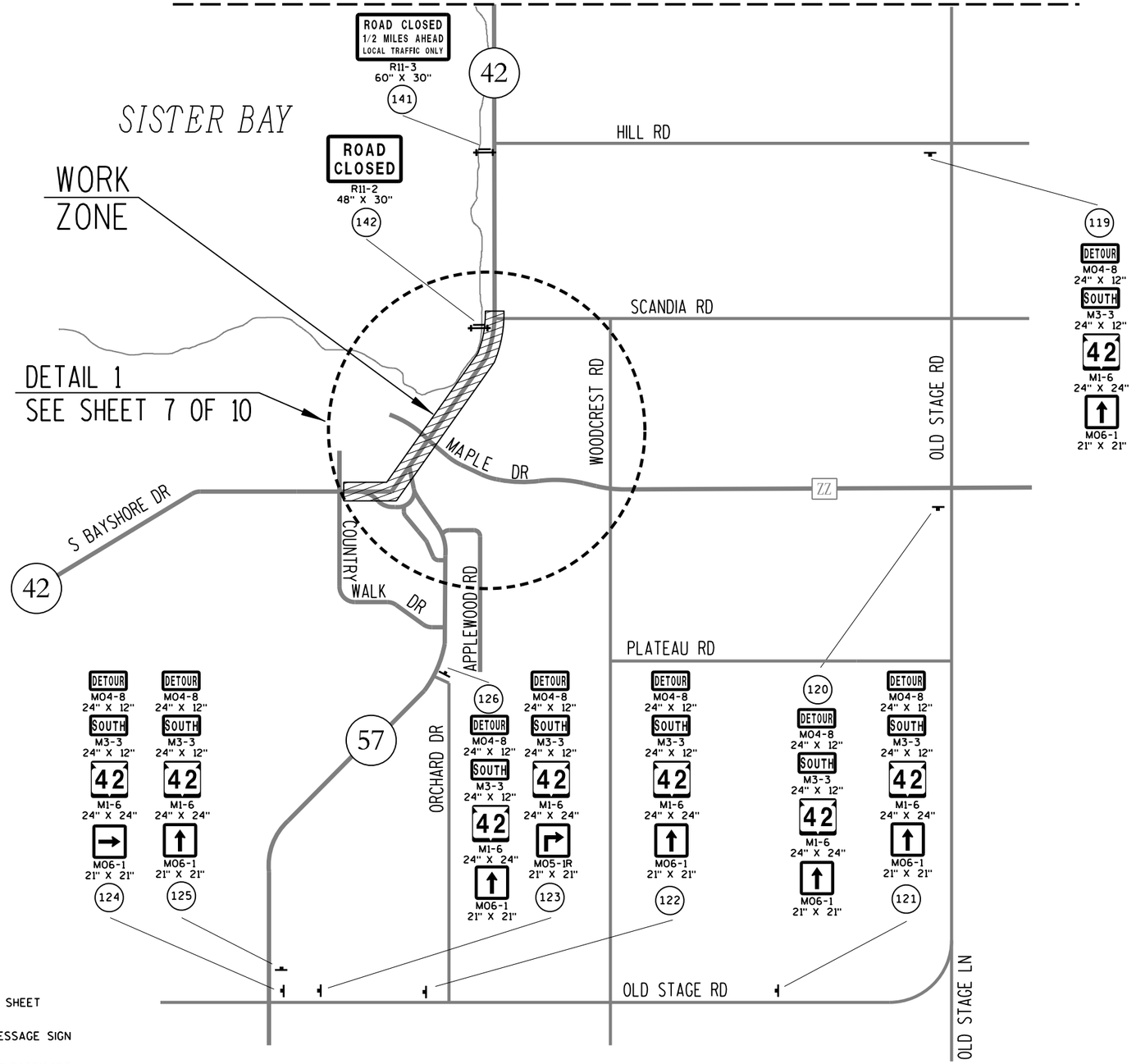
2



SHEET 4 OF 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL-STAGE 2B	SHEET 175	E

MATCH LINE (SEE SHEET 6 OF 10)



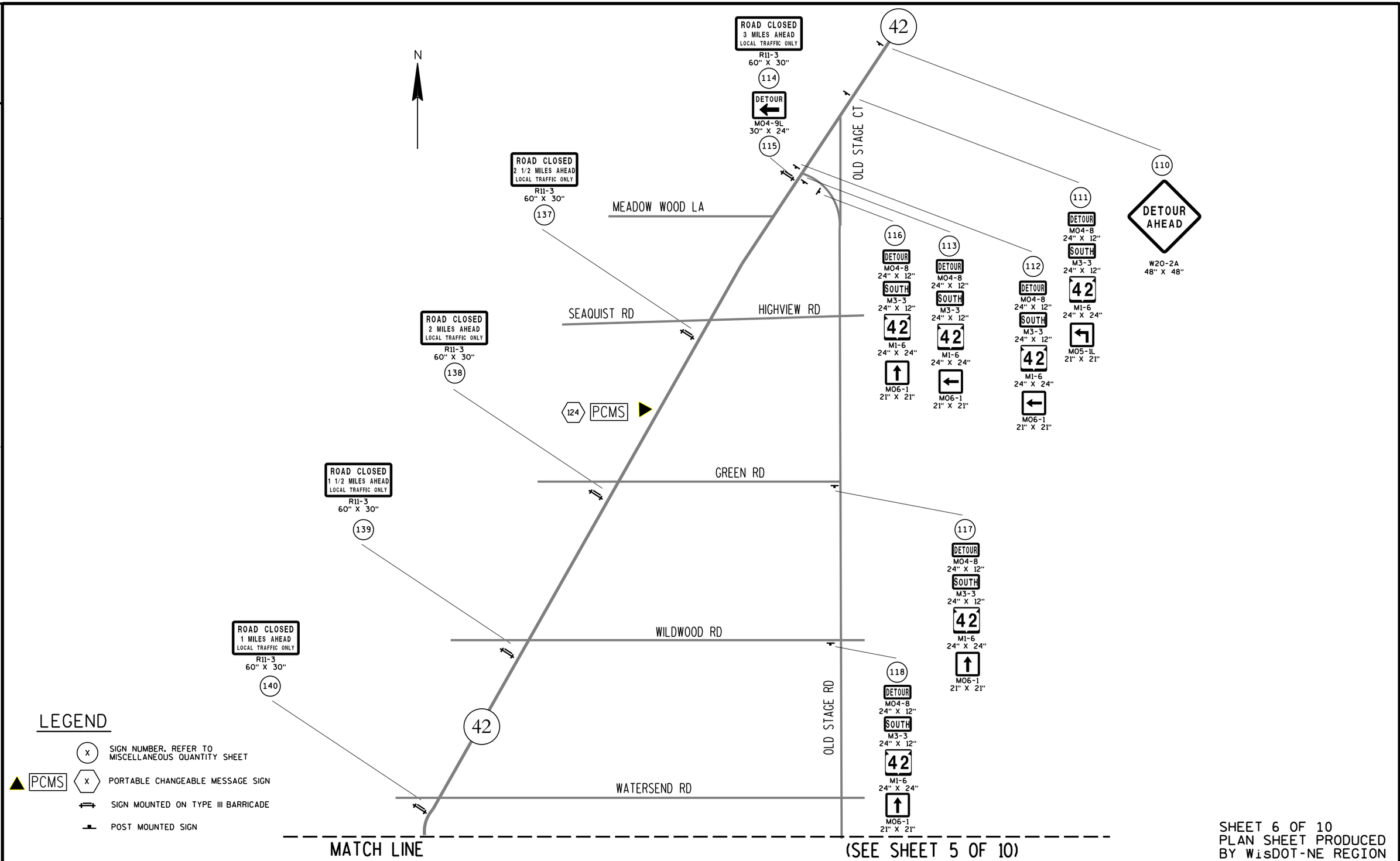
LEGEND

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

SHEET 5 OF 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL - STAGE 3A & 3B	SHEET	E

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



SHEET 6 OF 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL - STAGE 3A & 3B	SHEET E

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

WISDOT/CADDS SHEET 42

2

N

ROAD CLOSED
R11-2
48" X 30"
136

WORK ZONE

42

MODIFY
FROM 42
TO 42
J4-1
M06-1
21" X 21"
135

COVER
Ellison Bay
Gills Rock
D1-3
134

MAPLE DR

BLUFFSIDE LN

SISTER BLUFF DR

N HIGHLAND RD

42

S BAYSHORE DR

GATEWAY DR

133
SOUTH NORTH
42 42
J2-2
COVER

CANTERBURY LN

DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M06-1
21" X 21"
129

DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M06-1
21" X 21"
128

DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M05-1L
21" X 21"
127

FIELDCREST RD

S HIGHLAND RD

COUNTRY

132
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M06-1
21" X 21"

131
END DETOUR
M04-8A
24" X 18"
42
M1-6
24" X 24"

WALK

DR

130
DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M06-1
21" X 21"

JUDITH BLAZER DR

57

LEGEND

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

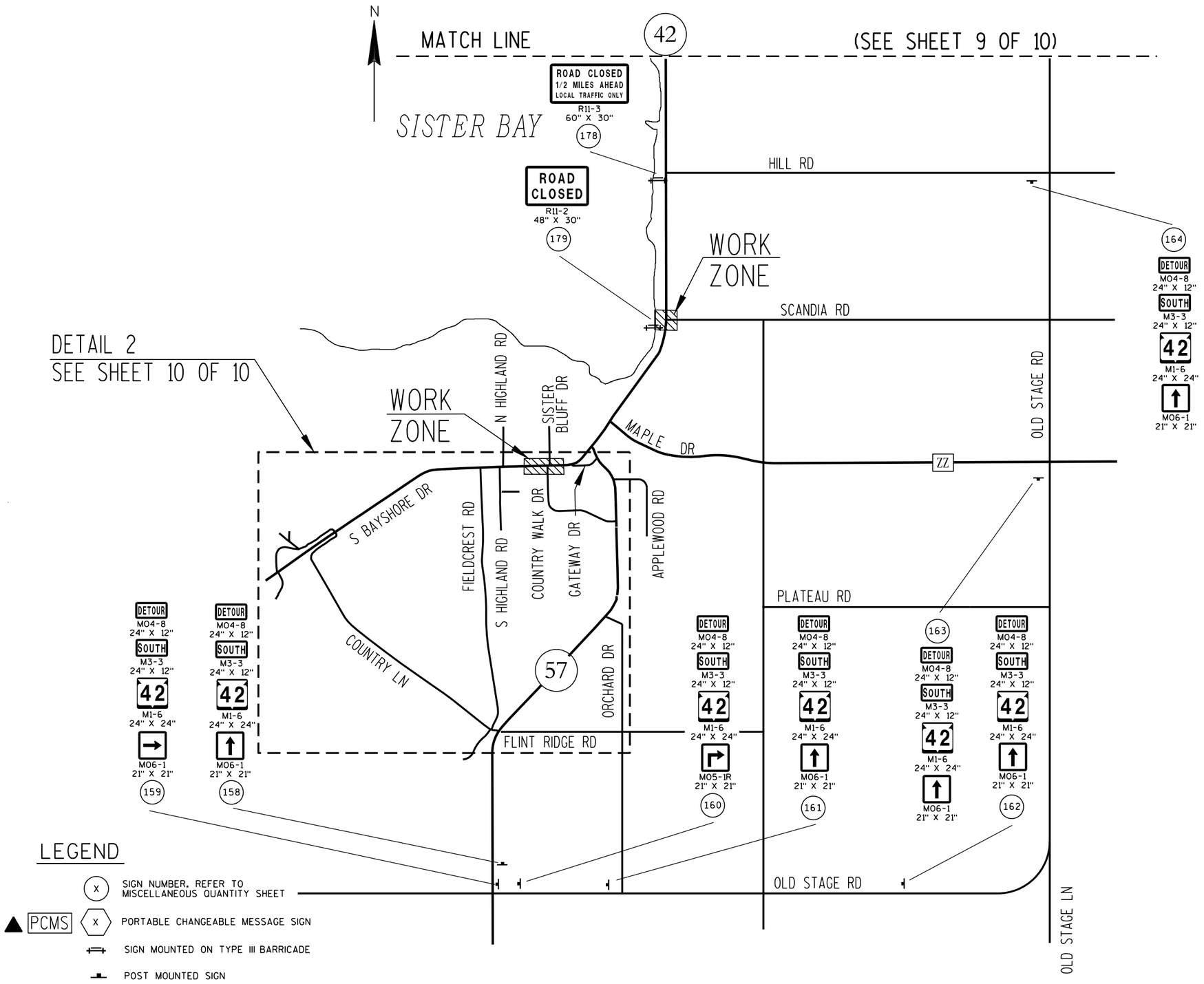
DETAIL 1

SHEET 7 OF 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL-STAGE 3A & 3B	SHEET 178	E

FILE NAME : F:\d3_461006\detours.dgn PLOT DATE : 15-DEC-2014 15:01 PLOT BY : ditjbs PLOT NAME : detours7.i PLOT SCALE : 200:1

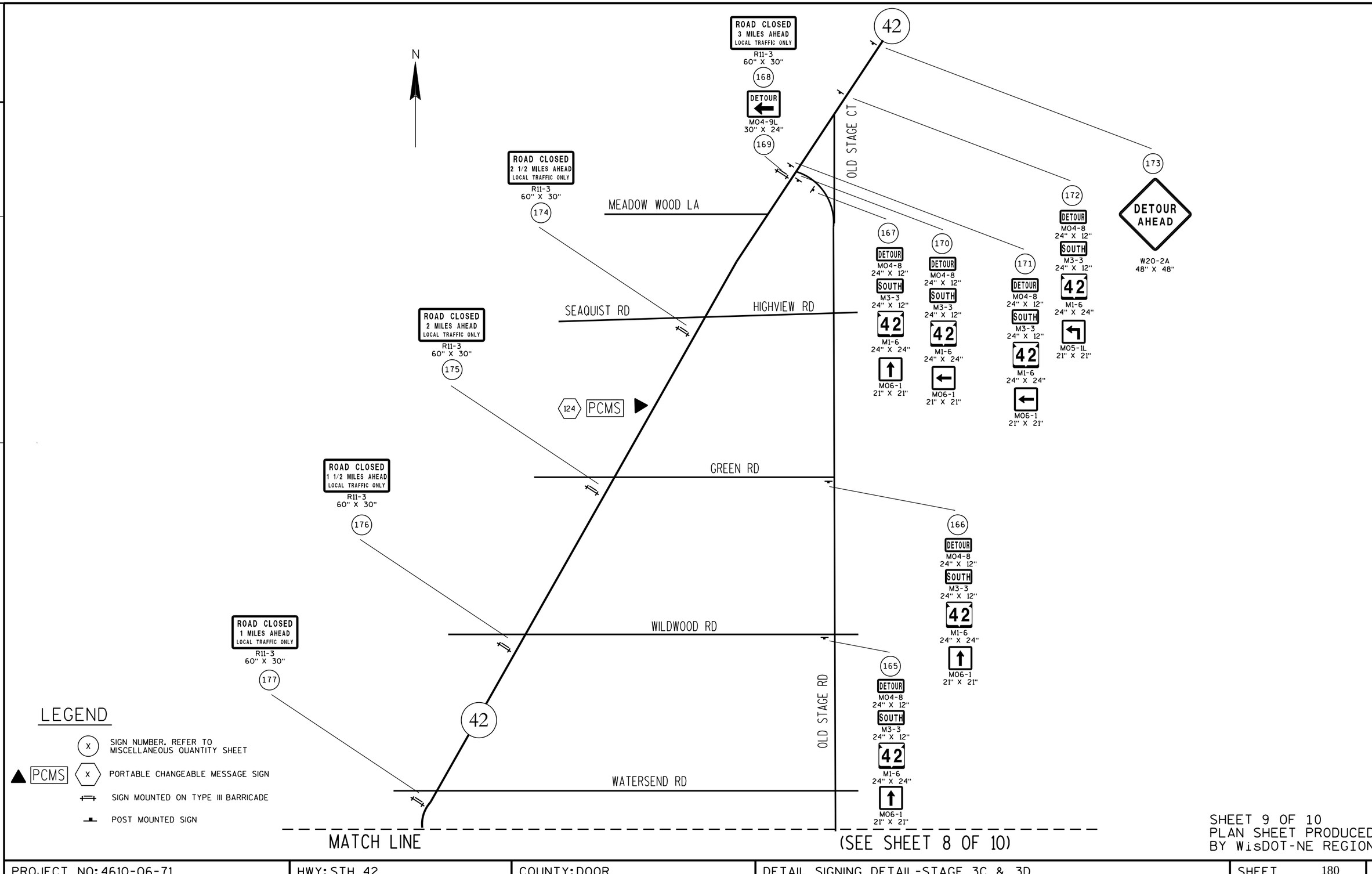
WISDOT/CADDS SHEET 42



SHEET 8 OF 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL-STAGE 3C & 3D	SHEET 179	E

2



SHEET 9 OF 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETAIL SIGNING DETAIL-STAGE 3C & 3D	SHEET 180	E

2

N

WORK ZONE

ROAD CLOSED
R11-2
48" X 30"
183

MODIFY
FROM 42 TO 42
J4-1
M06-1
21" X 21"
182

Ephraim
Ellison Bay
Gills Rock
D1-3
COVER
181

42

MILL RD

BLUFFSIDE LN

SISTER BLUFF DR

N HIGHLAND RD

S BAYSHORE DR

MAPLE DR

GATEWAY DR

CANTERBURY LN

180

COUNTRY

WALK DR

FIELDCREST RD

S HIGHLAND RD

WESTWOOD DR

SOUTH 42
NORTH 42
J2-2
COVER

57

HILL RD

LITTLE SISTER

NORDIC DR

COUNTRY LN

151
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M06-1
21" X 21"

DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M06-1
21" X 21"
153

152
END DETOUR
M04-8A
24" X 18"
42
M1-6
24" X 24"

DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M06-1
21" X 21"
157

ORCHARD DR

DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M06-1
21" X 21"
156

DETOUR
M04-8
24" X 12"
SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
M05-1L
21" X 21"
155

SOUTH
M3-3
24" X 12"
42
M1-6
24" X 24"
DETOUR AHEAD
W20-2A
48" X 48"
154

FLINT RIDGE RD

HEARTLAND TR

57

LEGEND

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

DETAIL 2

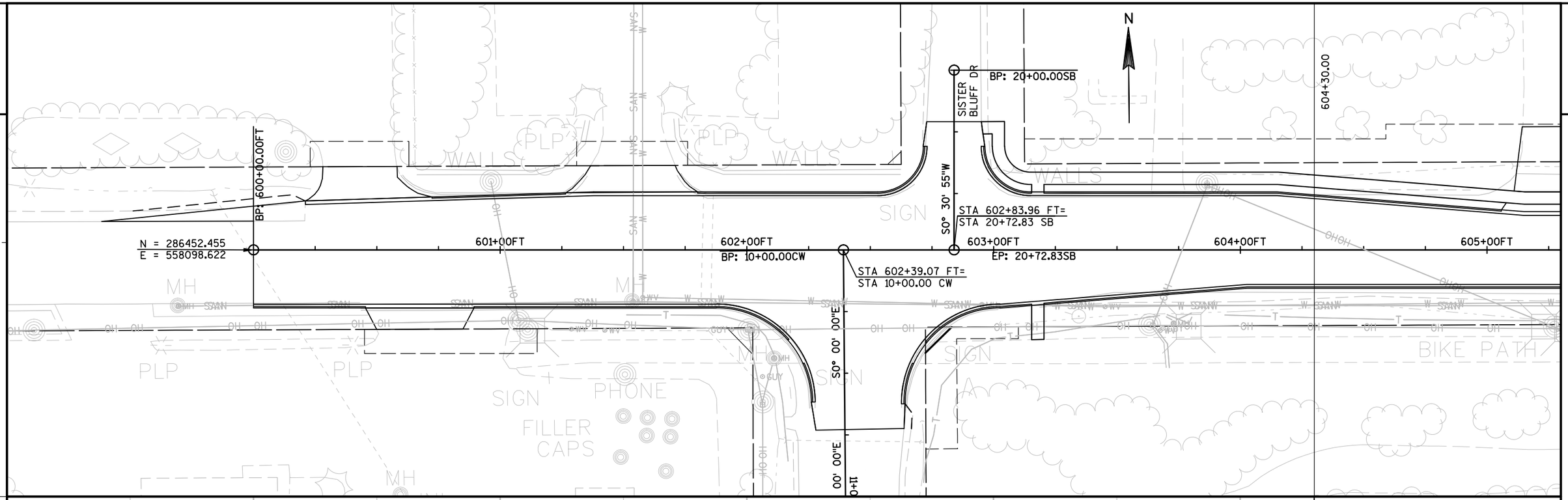
SHEET 10 OF 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

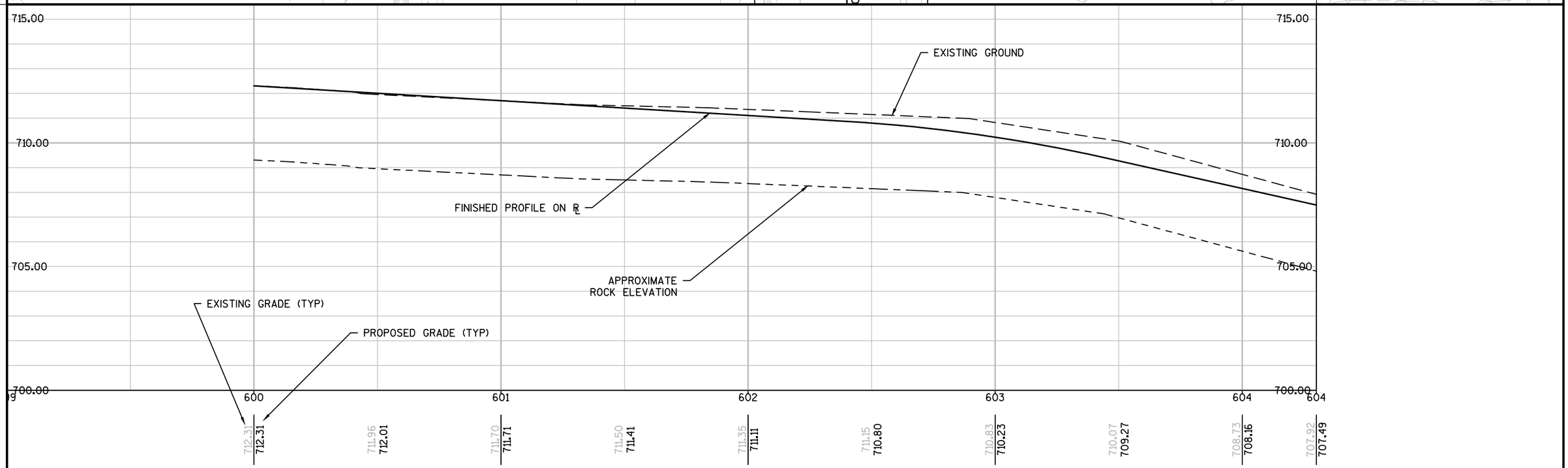
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	DETOUR SIGNING DETAIL-STAGE 3C & 3D	SHEET 181	E

FILE NAME : F:\d3_461006\detours.dgn PLOT DATE : 28-JAN-2015 13:12 PLOT BY : ditjbs PLOT NAME : detours10.i PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

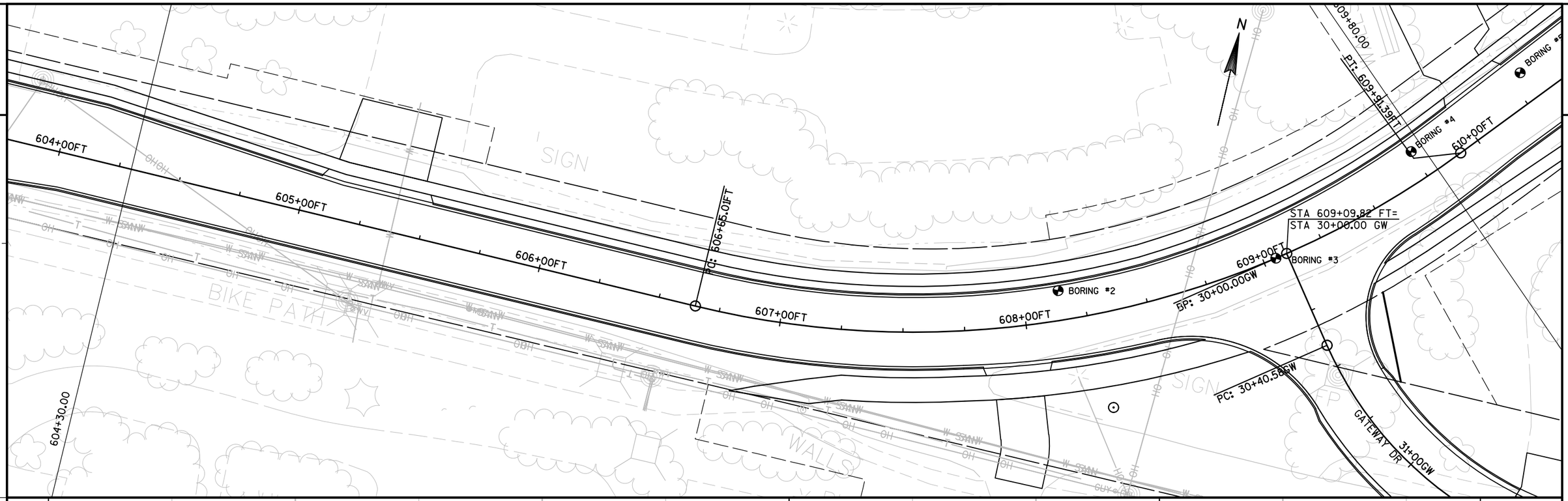
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	SUBSURFACE EXPLORATION INFORMATION: STH 42	SHEET	E

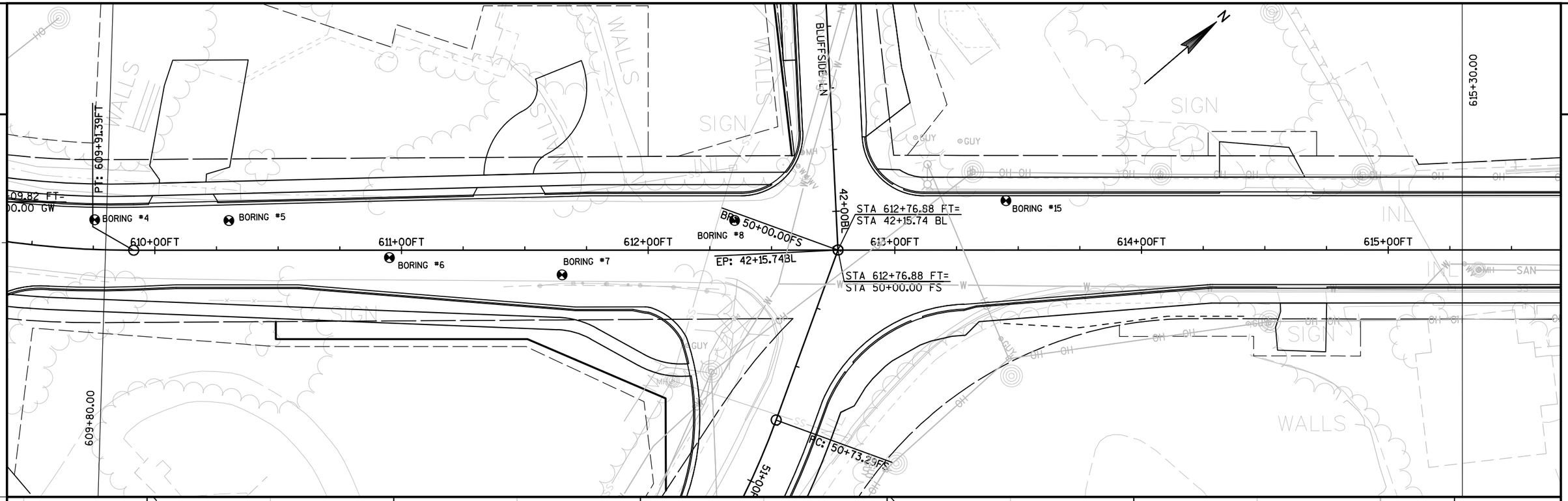
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\ROCK PROFILES\027301_RP.DWG PLOT DATE : 1/14/2015 9:51 AM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44

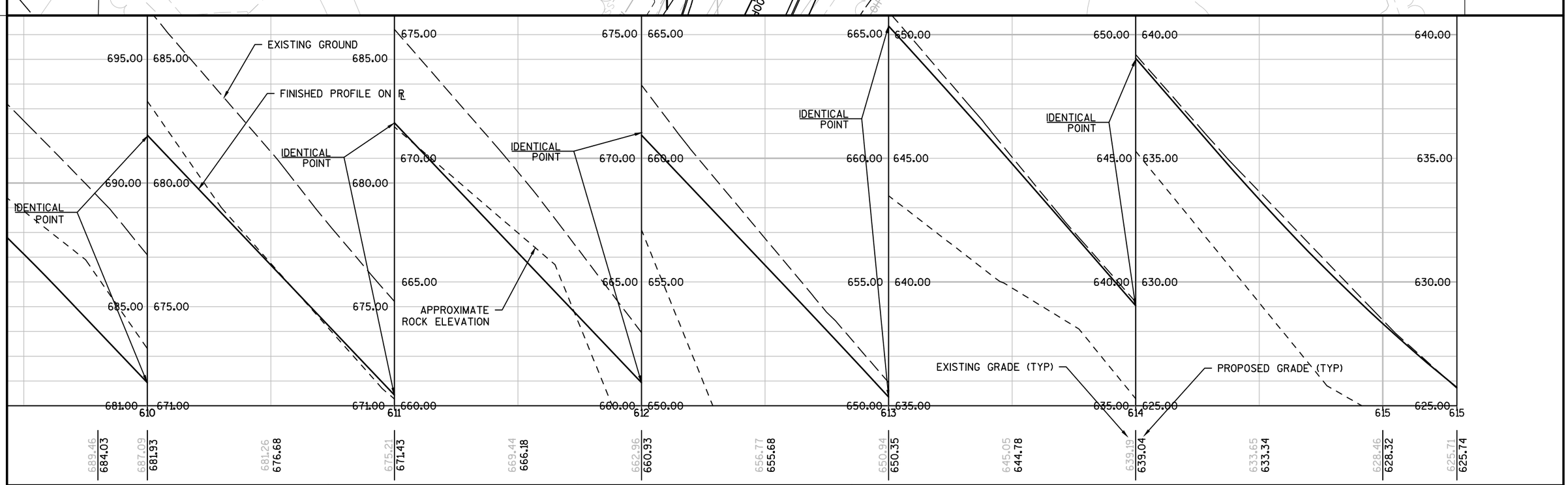


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	SUBSURFACE EXPLORATION INFORMATION: STH 42	SHEET 183	E

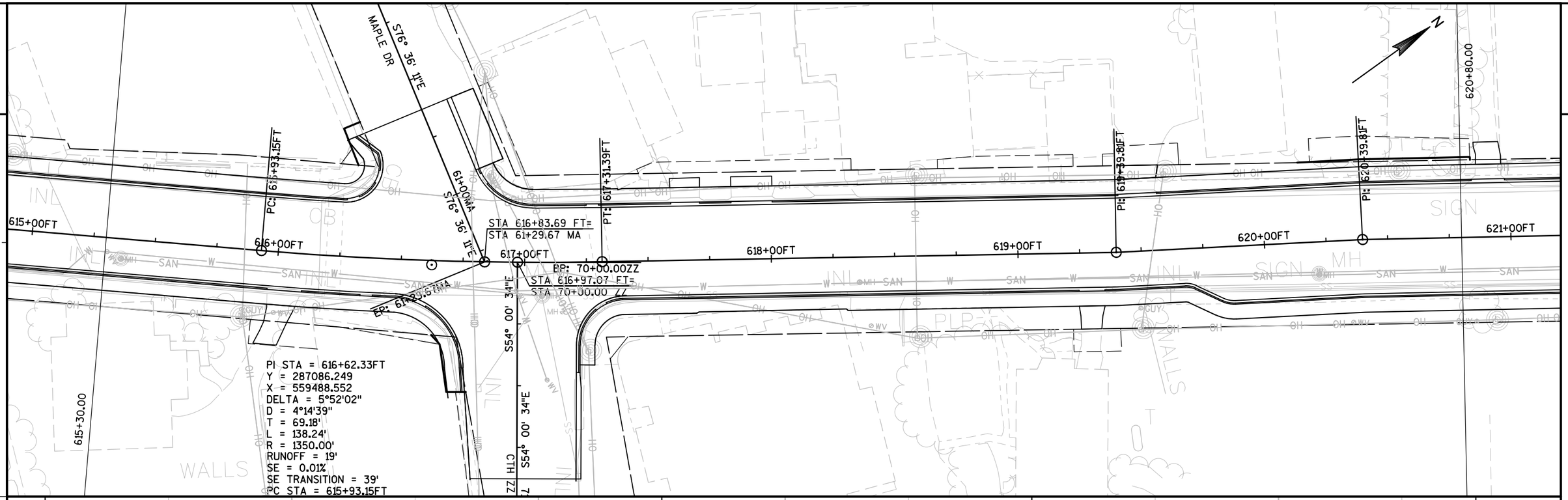
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\ROCK PROFILES\027301_RP.DWG PLOT DATE : 1/14/2015 9:51 AM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

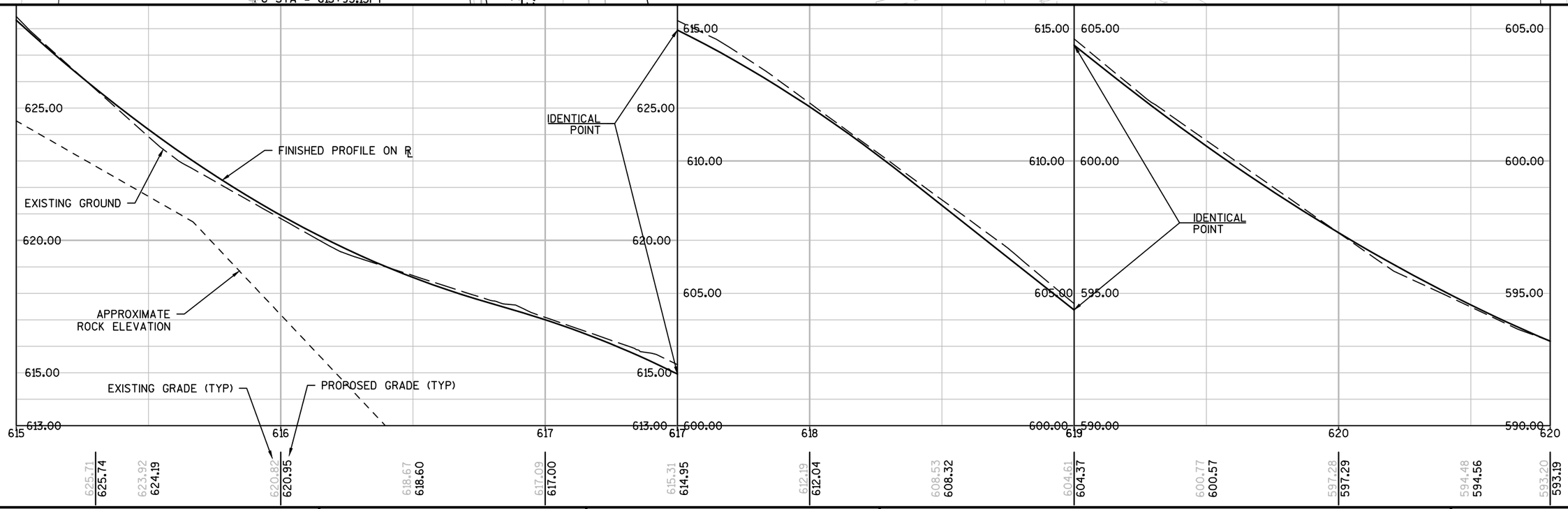
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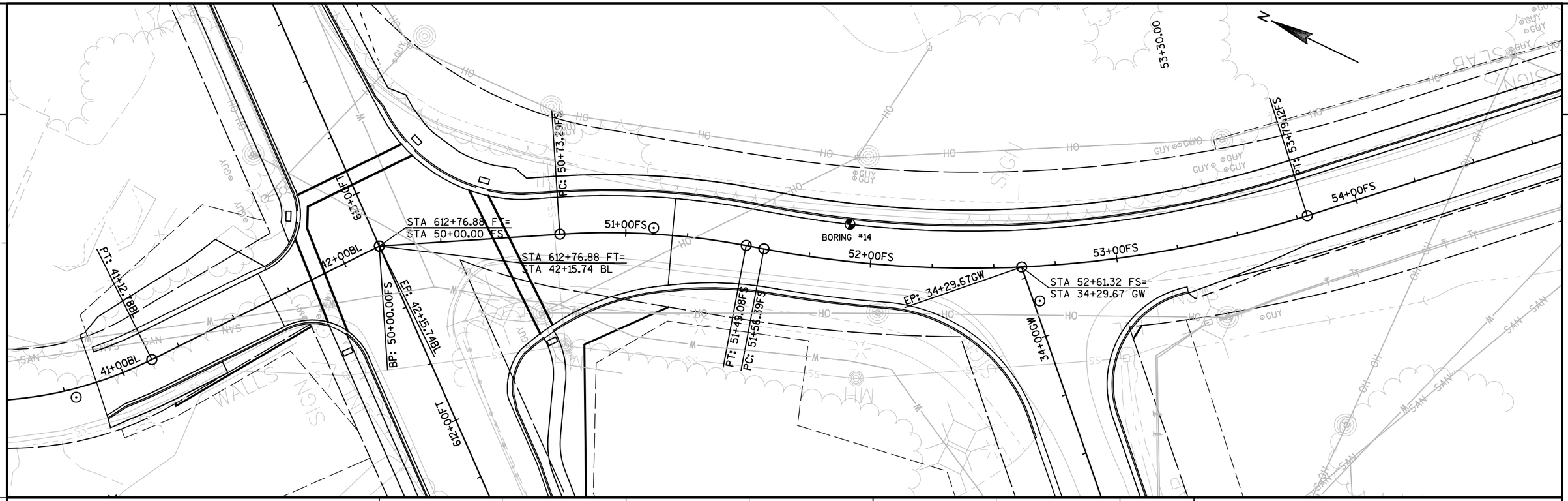
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	SUBSURFACE EXPLORATION INFORMATION: STH 42	SHEET 184	E

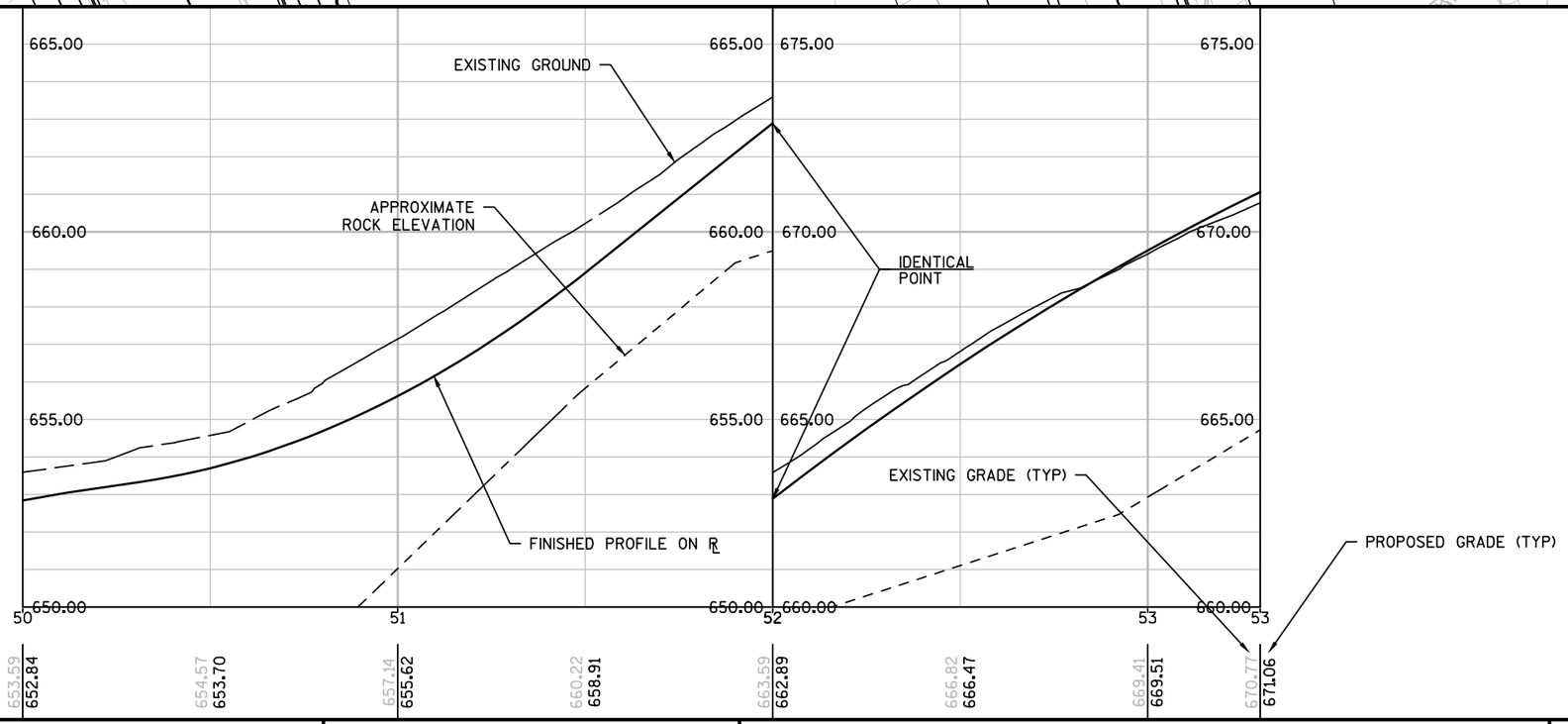




PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	SUBSURFACE EXPLORATION INFORMATION: STH 42	SHEET 185	E

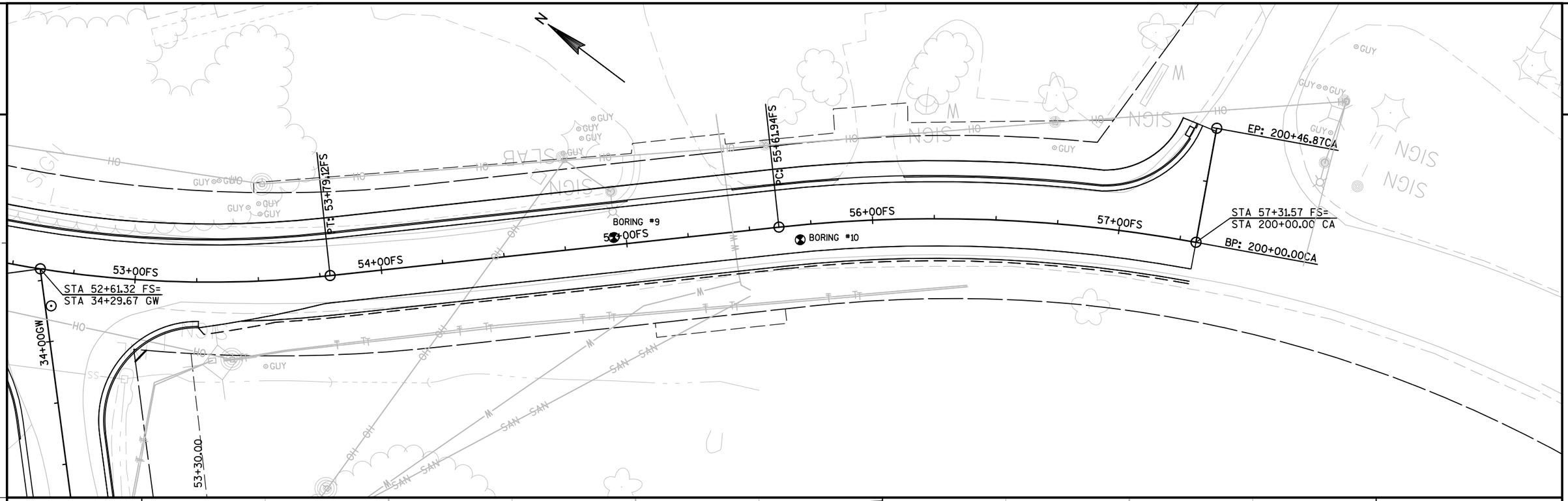
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\ROCK PROFILES\027301_RP.DWG PLOT DATE : 1/14/2015 9:52 AM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

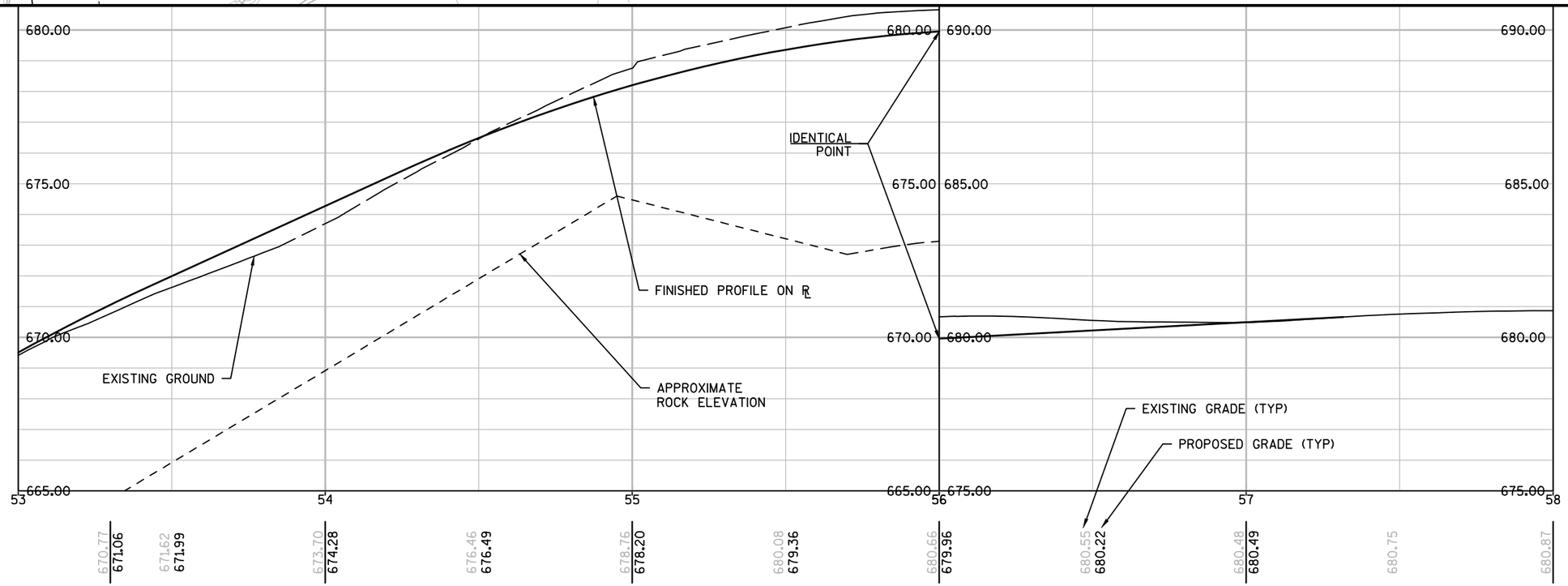




PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	SUBSURFACE EXPLORATION INFORMATION: STH 57	SHEET 186	E

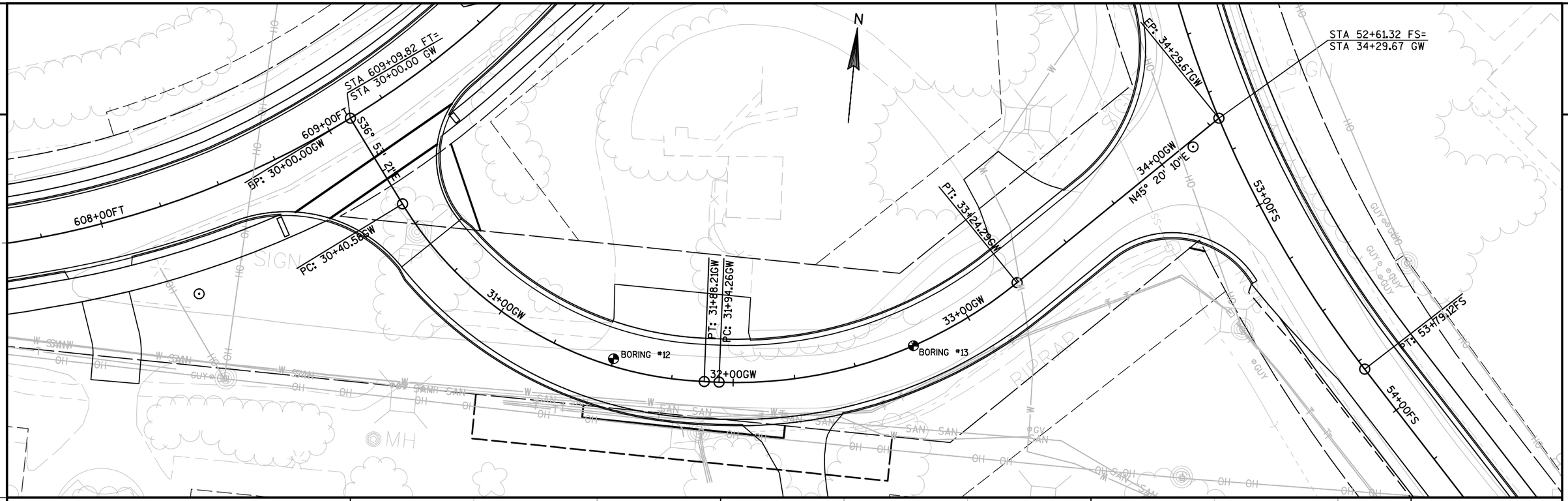
2

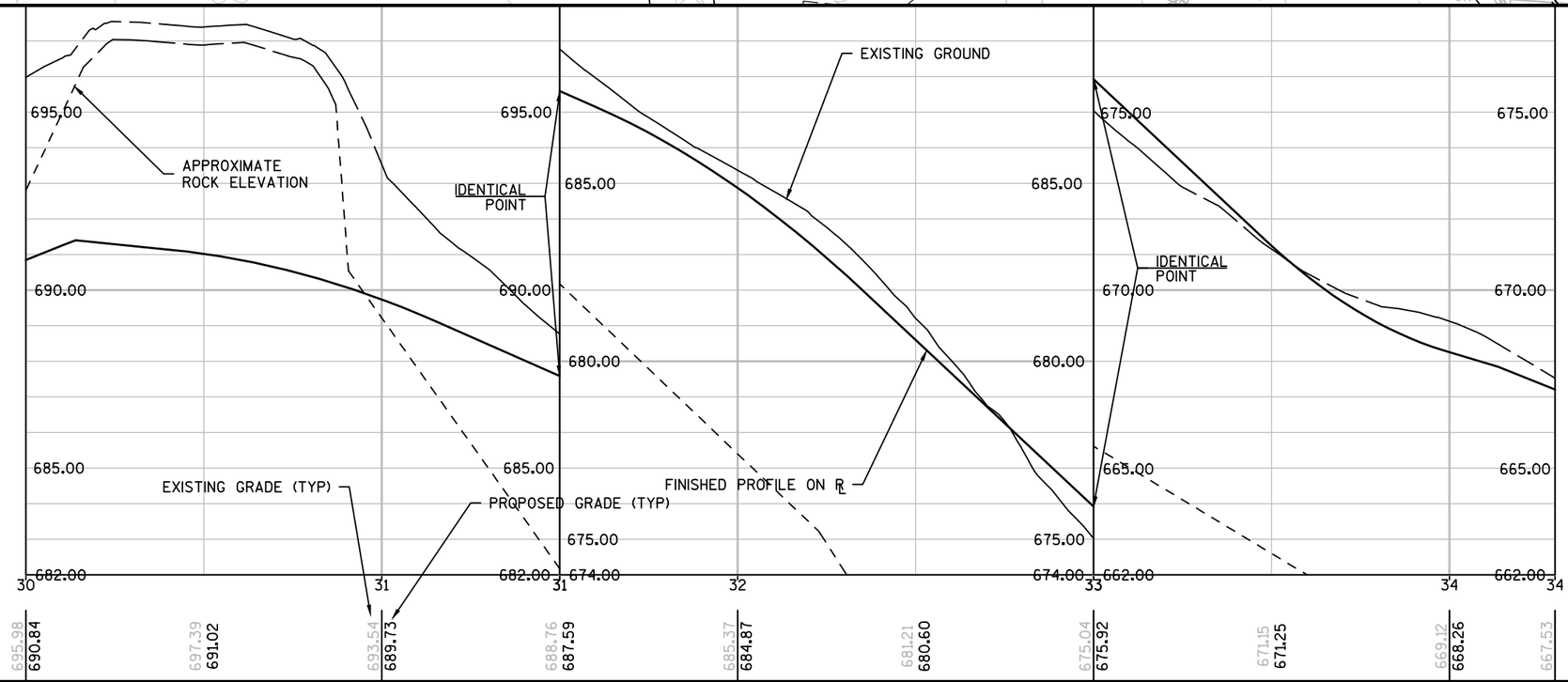




PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	SUBSURFACE EXPLORATION INFORMATION: STH 57	SHEET 187	E

2

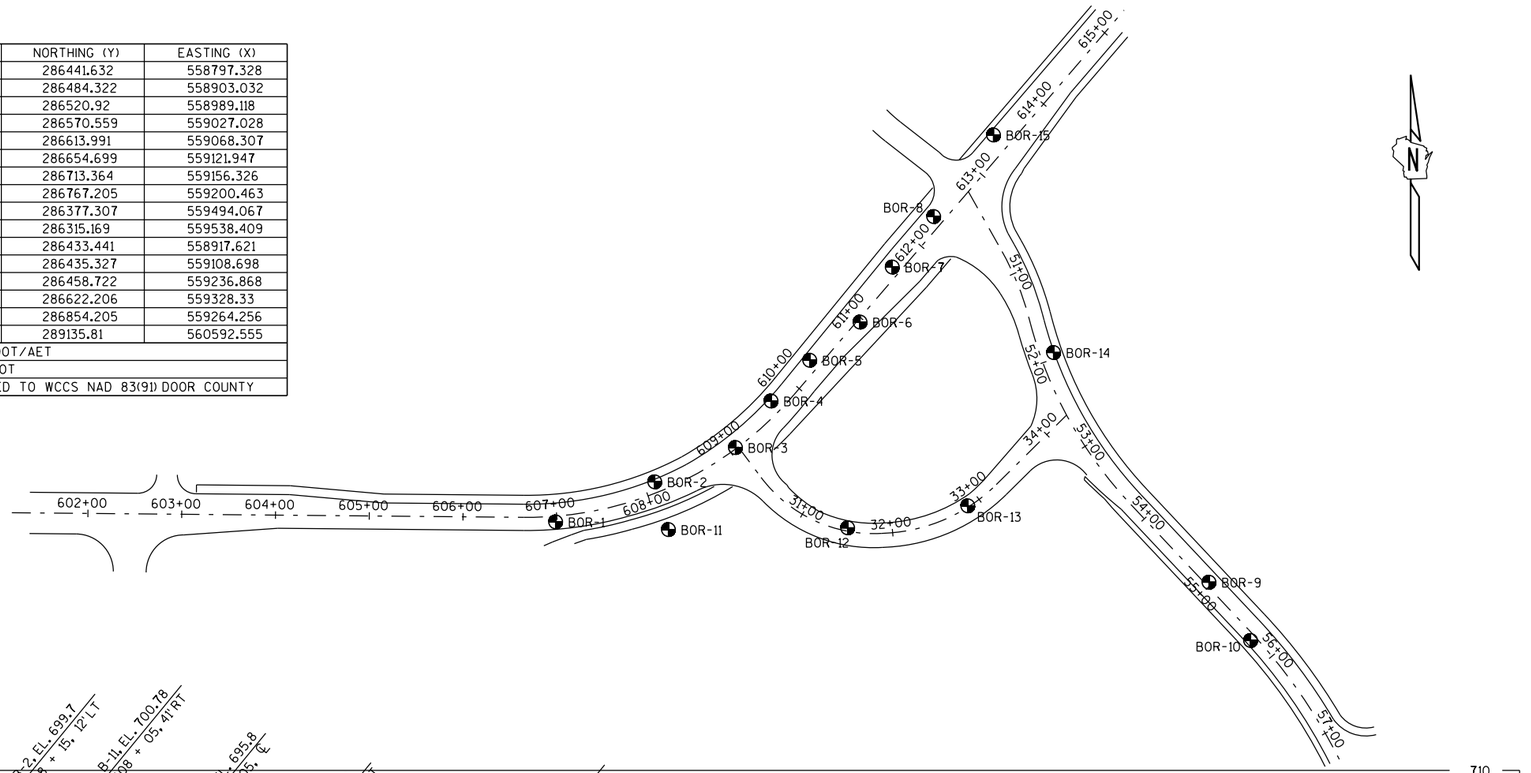


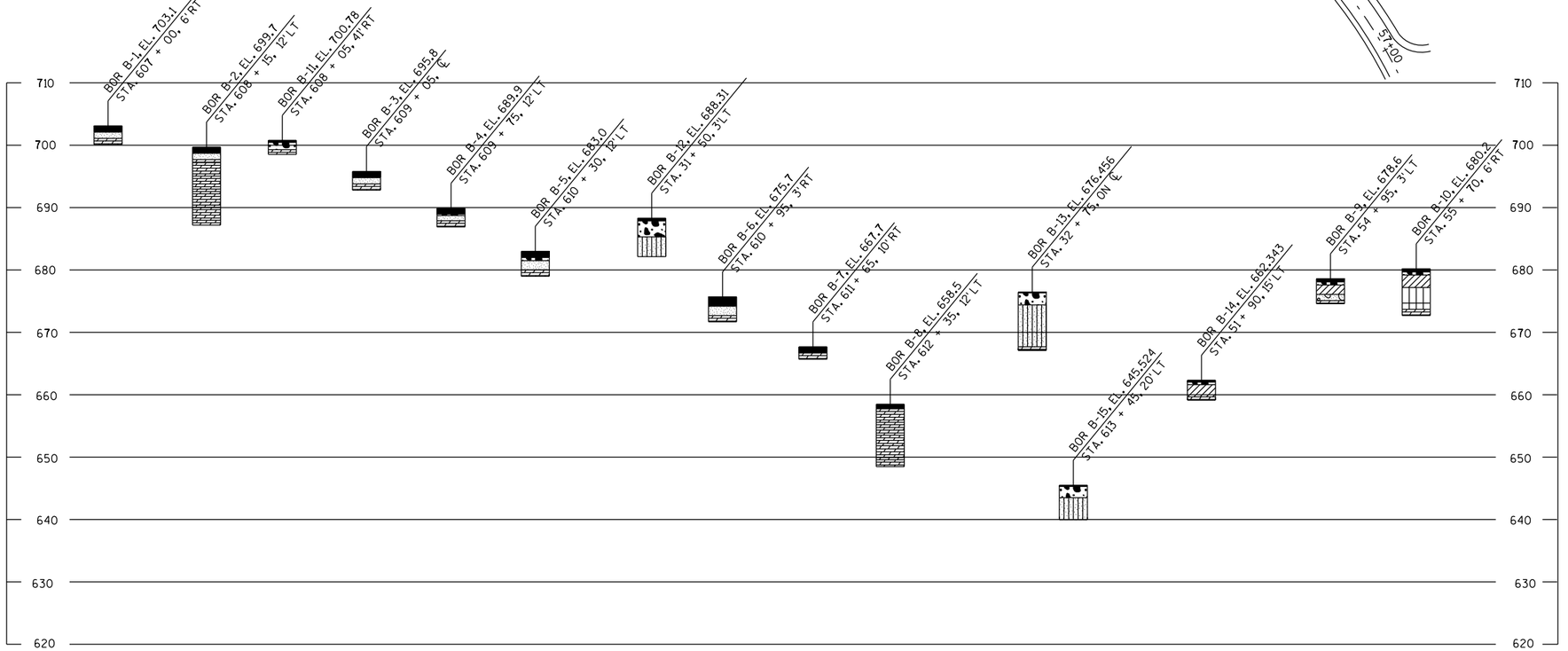


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	SUBSURFACE EXPLORATION INFORMATION: GATEWAY DR	SHEET 188	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\ROCK PROFILES\027303_RP.DWG PLOT DATE : 1/14/2015 10:38 AM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	4/23/2013	286441.632	558797.328
2	4/23/2013	286484.322	558903.032
3	4/23/2013	286520.92	558989.118
4	4/23/2013	286570.559	559027.028
5	4/23/2013	286613.991	559068.307
6	4/22/2013	286654.699	559121.947
7	4/22/2013	286713.364	559156.326
8	4/22/2013	286767.205	559200.463
9	4/23/2013	286377.307	559494.067
10	4/23/2013	286315.169	559538.409
11	6/11/2013	286433.441	558917.621
12	6/11/2013	286435.327	559108.698
13	6/11/2013	286458.722	559236.868
14	6/11/2013	286622.206	559328.33
15	6/11/2013	286854.205	559264.256
16	6/11/2013	289135.81	560592.555
BORINGS COMPLETED BY: WISDOT/AET			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DOOR COUNTY			





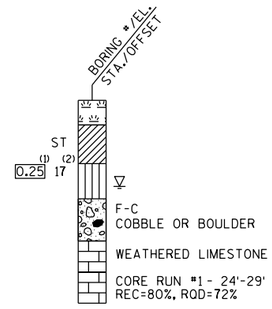
STATE PROJECT NUMBER

4610-06-00

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
STRUCTURES DESIGN SECTION

STH 42 ROCK PROBES

DRAWN BY PR | PLANS CK'D.

SUBSURFACE EXPLORATION

SHEET

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	SUBSURFACE EXPLORATION	SHEET 189	E

FILE NAME : F:\d3_461006\021002_cd.dgn PLOT DATE : 12-NOV-2014 17:08 PLOT BY : dittjbs PLOT NAME : 021002 CD.I PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

N

SAW ASPHALT

SAW ASPHALT

SAW ASPHALT

SISTER BLUFF DRIVE

CLEARING AND GRUBBING

REMOVE LANDSCAPING WALL

SAW ASPHALT

REMOVE ASPHALTIC SURFACE

601+00

602+00

603+00

604+00

605+00

SAW ASPHALT

SAW CONCRETE

REMOVE ASPHALTIC SURFACE

SAW ASPHALT

SAW ASPHALT

SAW ASPHALT

REMOVE ASPHALTIC SURFACE

SAW ASPHALT

SAW ASPHALT

11+00 COUNTRY WALK DRIVE

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLANS	SHEET 190	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\REMOVAL PLAN\027401_ RP.DWG
LAYOUT NAME - 020001

PLOT DATE : 1/29/2015 2:47 PM PLOT BY : CAMPSHURE, MICHAEL RPLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

SAW ASPHALT

REMOVE SMALL CULVERT PIPE

REMOVE ASPHALTIC SURFACE

REMOVE ASPHALTIC SURFACE

REMOVE SMALL CULVERT PIPE

REMOVE ASPHALTIC SURFACE
(PAVED DITCH)

605+00

606+00

607+00

608+00

609+00

610+00

SAW ASPHALT

TIMBER LANDSCAPING WALL
TO REMAIN

REMOVE ASPHALTIC SURFACE

SAW ASPHALT

OBLITERATE OLD ROAD

REMOVE ASPHALTIC SURFACE

GATEWAY DRIVE

31+00

32+00

SAW ASPHALT

XXXX XXXX XXXX

FOOTBRIDGE

WALLS

SIGN

BIKE PATH

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLANS	SHEET 191	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\REMOVAL PLAN\027401_ RP.DWG
LAYOUT NAME - 020002

PLOT DATE : 1/29/2015 4:11 PM PLOT BY : CAMPSHURE, MICHAEL RPLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SAW CONCRETE
SAW ASPHALT
REMOVE LANDSCAPING WALL
ABANDON CONCRETE BOX STRUCTURE
REMOVE TIMBER LANDSCAPING WALL
REMOVE STORM SEWER (18-INCH)
ABANDON INLET
CLEARING AND GRUBBING
REMOVE GUARDRAIL
ABANDON SEWER (AFTER COMPLETION OF USING EXISTING STORM SEWER FOR TEMPORARY DRAINAGE)
REMOVE CONCRETE PAVEMENT
ABANDON SEWER (36-INCH)
REMOVE CONCRETE BASE
ABANDON MANHOLE
REMOVE ASPHALTIC SURFACE
REMOVE CONCRETE BASE
SAW ASPHALT
REMOVE CONCRETE BASE
REMOVE INLET
REMOVE STORM SEWER (18-INCH)
ABANDON MANHOLE (AFTER COMPLETION OF USING EXISTING STORM SEWER FOR TEMPORARY DRAINAGE)
BLUFFSIDE LANE
STH 57
41+00
42+00
52+00
54+00
611+00
612+00
613+00
614+00
615+00
616+00
61+00

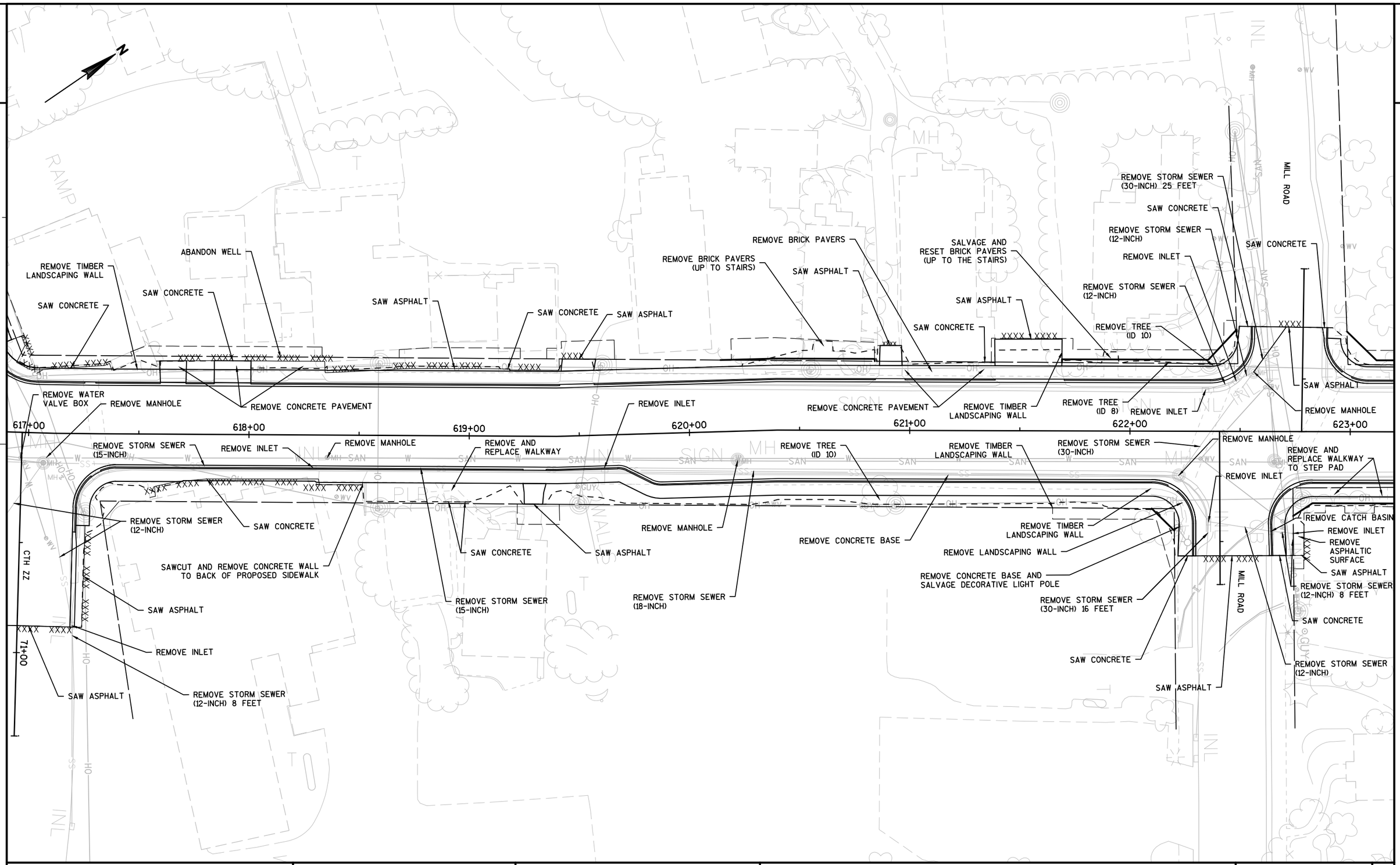
NOTE:
USE CAUTION DURING SIDEWALK REMOVAL EXISTING ROOF DRAIN IS CLOSE TO EXISTING GROUND SURFACE (STA 615+75 LT TO STA 616+25 LT)

SAWCUT AND REMOVE EXISTING WALL TO BACK OF PROPOSED SIDEWALK
REMOVE TIMBER LANDSCAPING WALL
SAW ASPHALT
REMOVE STORM SEWER (10-INCH)
REMOVE STORM SEWER (12-INCH)
REMOVE INLET
REMOVE TIMBER LANDSCAPING WALL
REMOVE LANDSCAPING WALL
SAW ASPHALT
REMOVE INLET
REMOVE MANHOLE
REMOVE STORM SEWER (12-INCH)
SALVAGE TIMBER RETAINING WALL
REMOVE INLET
SAW ASPHALT
SAW CONCRETE
CONCRETE PAD TO REMAIN IN FRONT OF DOOR (REMOVE ALL OTHER CONCRETE SIDEWALK)
REMOVE INLET
SAW CONCRETE
REMOVE CATCH BASIN
REMOVE STORM SEWER (12-INCH)
REMOVE CATCH BASIN
REMOVE STORM SEWER (12-INCH)
REMOVE STORM SEWER (15-INCH)
MAPLE DRIVE

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLANS	SHEET 192	E

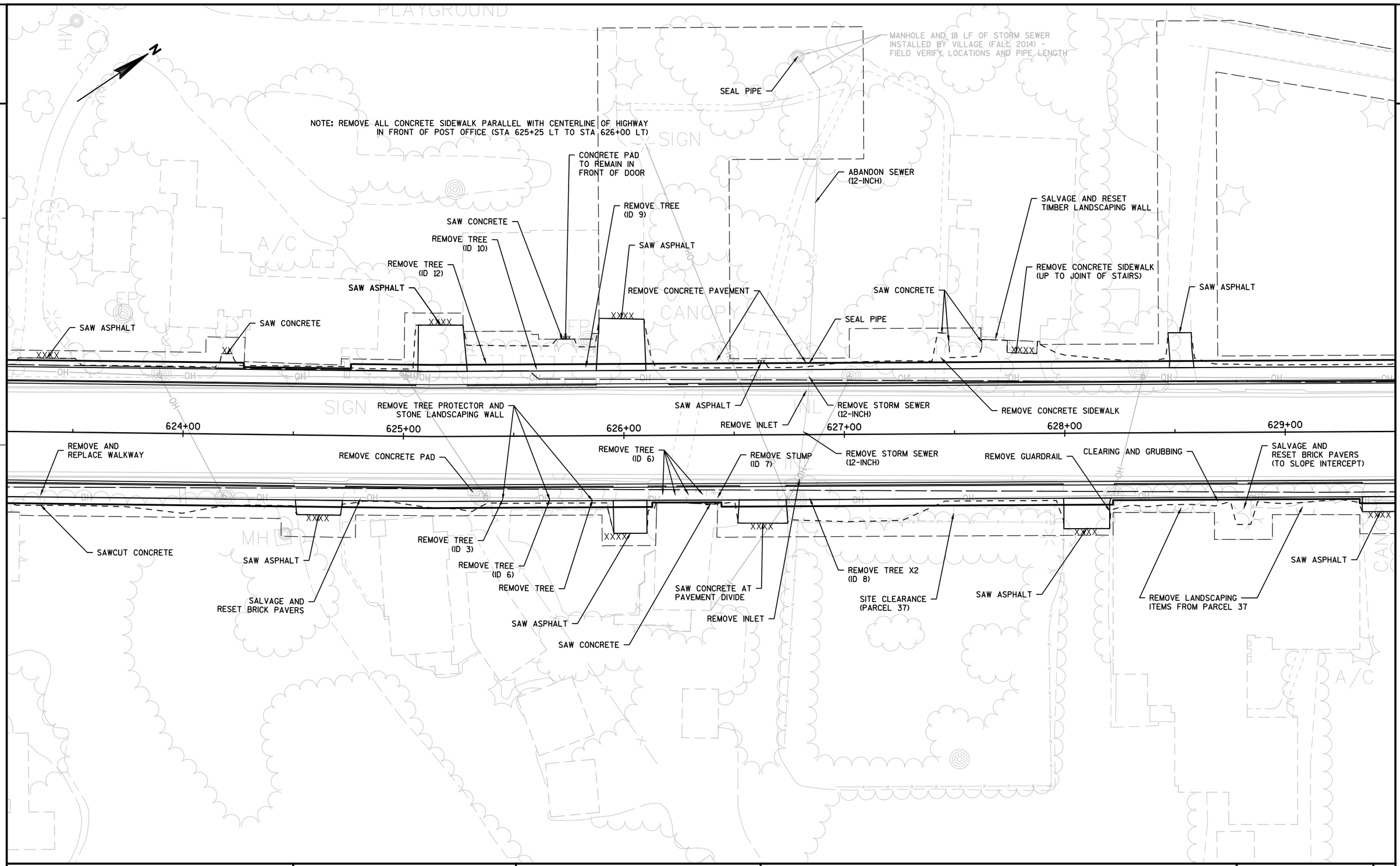
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\REMOVAL PLAN\027401_ RP.DWG
LAYOUT NAME - 020003
PLOT DATE : 2/23/2015 3:10 PM
PLOT BY : FARRELL, ALAN E
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



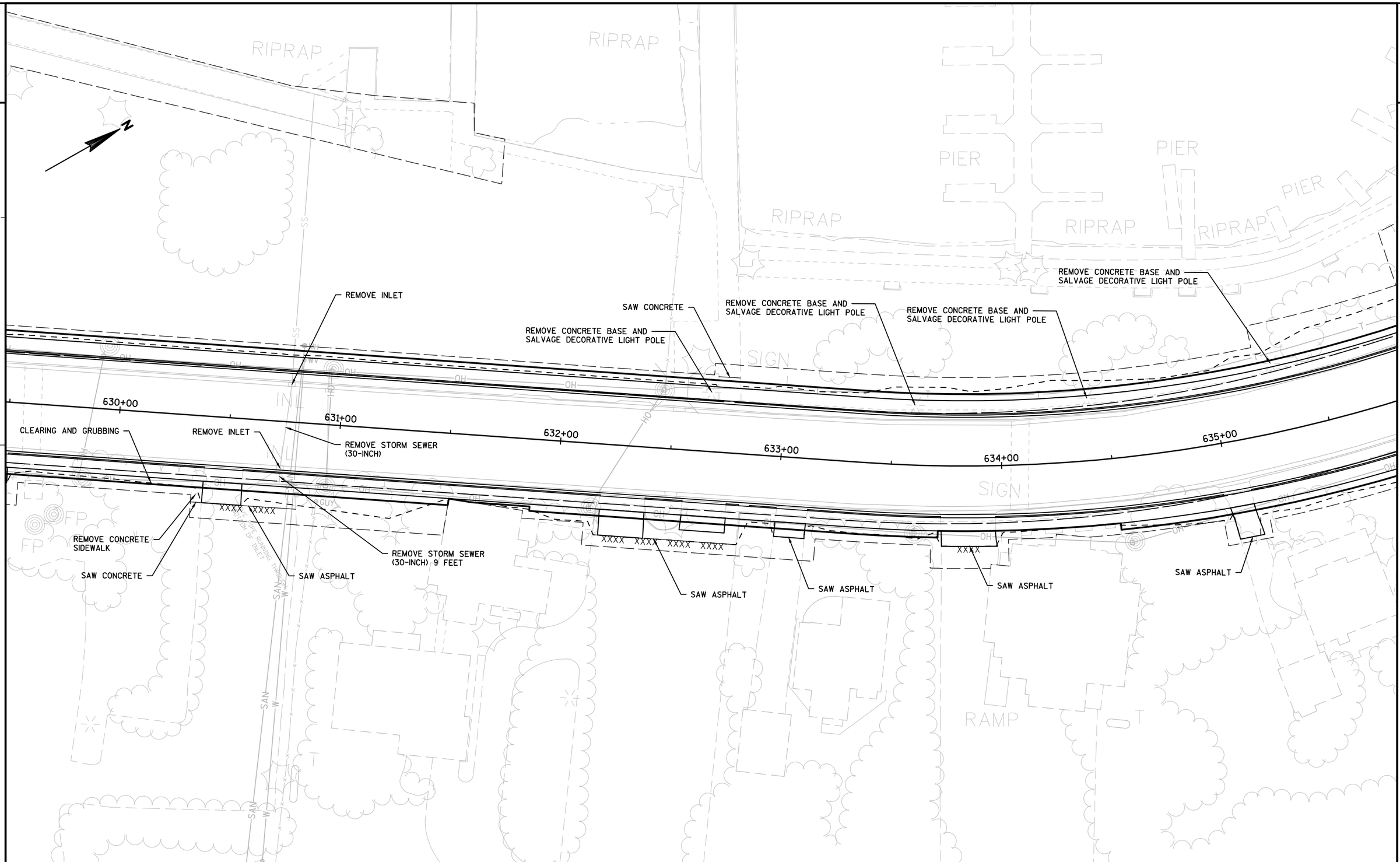
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLANS	SHEET 193	E

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLANS	SHEET 194	E

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLANS	SHEET 195	E

2

N

REMOVE CONCRETE BASE
REMOVE INLET
REMOVE STORM SEWER (12-INCH)
SAW ASPHALT
REMOVE CONCRETE BASE AND SALVAGE DECORATIVE LIGHT POLE
REMOVE CONCRETE BASE AND SALVAGE DECORATIVE LIGHT POLE
REMOVE CONCRETE BASE AND SALVAGE DECORATIVE LIGHT POLE
SAW CONCRETE
SEAL PIPE
REMOVE STORM SEWER (30-INCH)
REMOVE TREE (ID 10)
SALVAGE STEWARDSHIP FUNDS SIGN (COORDINATE WITH VILLAGE)
REMOVE CONCRETE PAVEMENT
SAW ASPHALT
636+00
637+00
638+00
639+00
640+00
REMOVE STORM SEWER (30-INCH)
REMOVE INLET
REMOVE AND REPLACE WALKWAY
REMOVE CURB
REMOVE CONCRETE BASE
REMOVE CONCRETE PAVEMENT
REMOVE INLET
REMOVE STORM SEWER (12-INCH)
SUNSET DRIVE
REMOVE TREE (ID 14)
SAW CONCRETE
REMOVE TREE (ID 15)
REMOVE TREE (ID 22)
SAW ASPHALT
SAW CONCRETE
SAW ASPHALT
REMOVE CONCRETE BASE (SIGN BASE FOR OLD SHELL SIGN)
SAW CONCRETE
SAW CONCRETE
SAW ASPHALT
REMOVE STUMP (ID 12)
SCANDIA ROAD
REMOVE STORM SEWER (30-INCH)
SAW ASPHALT
101+00
(NOT LOCATED BY VILLAGE OF SISTER BAY)
STORM INLET

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLANS	SHEET 196	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\REMOVAL PLAN\027401_ RP.DWG
LAYOUT NAME - 020007

PLOT DATE : 2/26/2015 2:42 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

REMOVE SMALL CULVERT PIPE

REMOVE ASPHALTIC SURFACE (PAVED DITCH)

608+00

609+00

610+00

611+00

SAW ASPHALT

XXXX XXXX XXXX

GATEWAY DRIVE

31+00

32+00

33+00

OBLITERATE OLD ROAD

XXXX

REMOVE ASPHALTIC SURFACE

SAW ASPHALT

REMOVE SMALL CULVERT PIPE

XXXX

SAW ASPHALT

ABANDON SEWER (36-INCH)

REMOVE CONCRETE BASE

ABANDON MANHOLE

REMOVE ASPHALTIC SURFACE

REMOVE CONCRETE BASE

SAW ASPHALT

XXXX

STH 57

52+00

34+00

53+00

54+00

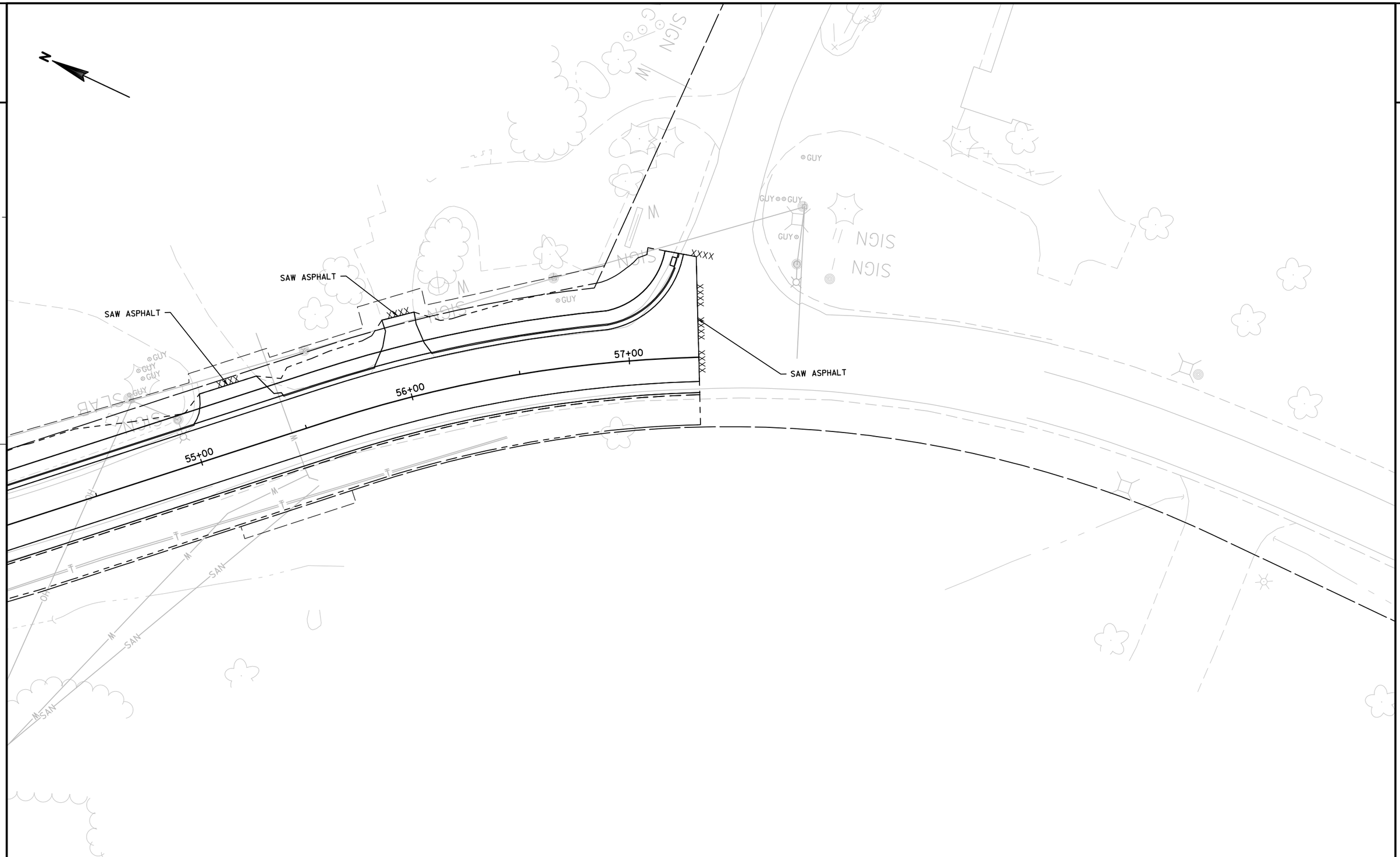
55+00

REMOVE INLET

REMOVE STORM SEWER (42-INCH)

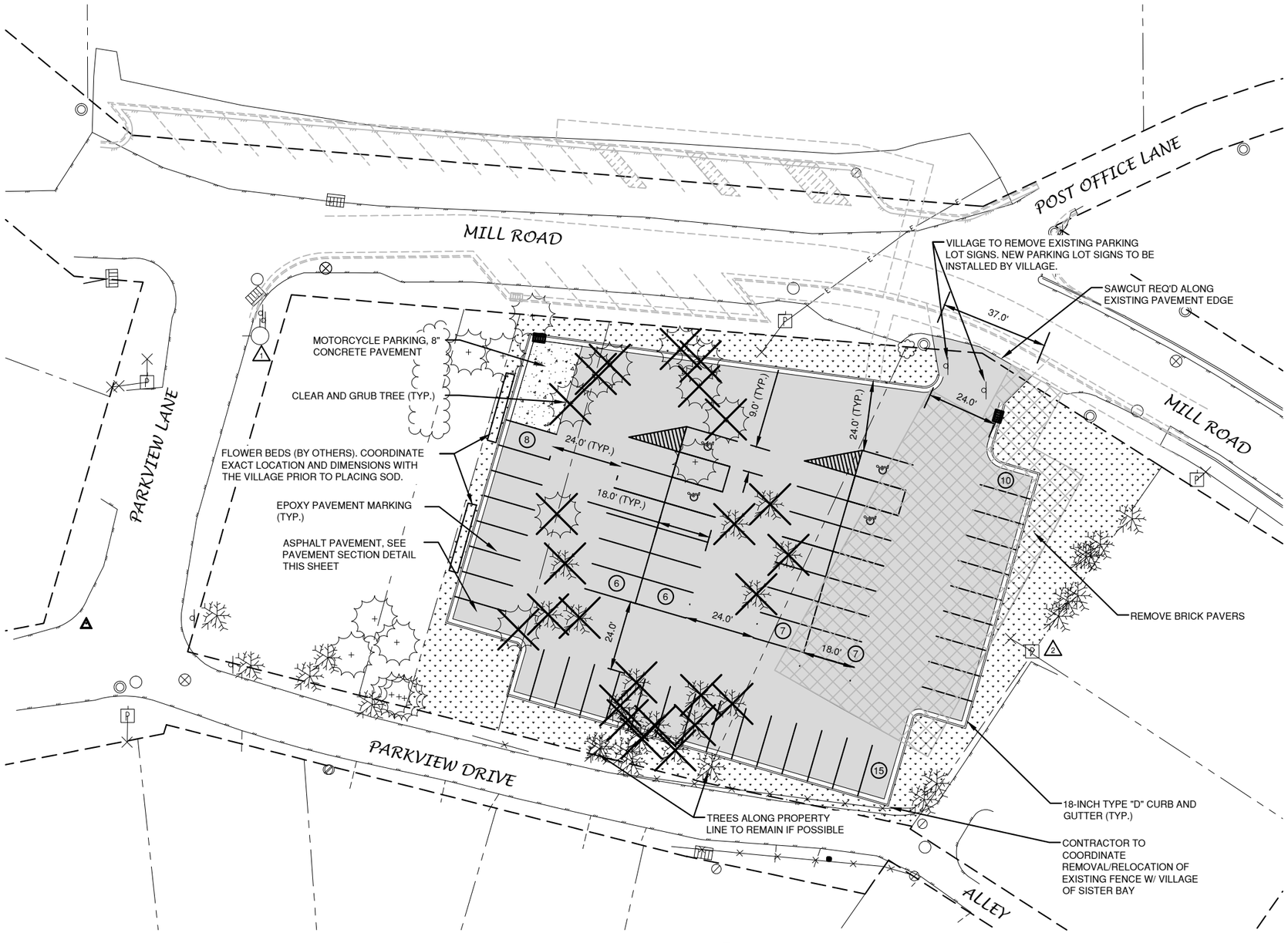
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLANS	SHEET 197	E

2



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	REMOVAL PLANS	SHEET 198	E

BENCHMARK	BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC. **FIELD VERIFY BENCHMARKS FOR ACCURACY.**	
NO.	DESCRIPTION	EL.
1	TAGBOLT ON HYDRANT	590.03
2	NAIL IN POWER POLE #3128-5L79	590.73



LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- REMOVE BRICK PAVERS
- LANDSCAPE AREA
- GREEN SPACE
- PROPOSED 18" CURB & GUTTER (UNLESS OTHERWISE NOTED)
- PROPOSED SHEDDING CURB & GUTTER
- TRAFFIC FLOW ARROW
- HANDICAPPED PARKING
- (12) INDICATES NUMBER OF PARKING STALLS

*NOTE: ALL CURB RADII AND DIMENSIONS ARE TO THE FACE OF CURB.

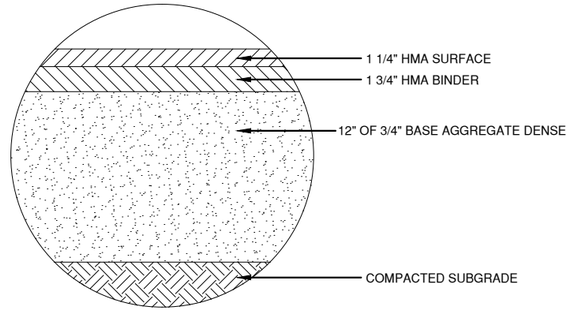
NOTE

ALL AREAS DESIGNATED AS "GREEN SPACE" OR "LAWN", SHALL BE TOPSOILED TO A DEPTH OF 6 INCHES AND SODDED. AREA TO BE RAKED FREE OF STONES AND CLUMPS.

PARKING DATA

TOTAL PARKING SPACES PROVIDED = 59 + 8 MOTORCYCLES

HANDICAP ACCESSIBLE PARKING SPACES = 4



ASPHALT PAVEMENT DETAIL

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PARKING LOT – SITE PLAN	SHEET 199

FILE NAME : R:\0200\0282\0282153\DWG\0282153D.DWG PLOT DATE : 2/20/2015 1:43 PM PLOT BY : AARON J. BREITENFELD PLOT NAME : _____

WISDOT/CADDS SHEET 42

BENCHMARK	BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC. **FIELD VERIFY BENCHMARKS FOR ACCURACY.**	
NO.	DESCRIPTION	EL.
1	TAGBOLT ON HYDRANT	590.03
2	NAIL IN POWER POLE #3128-5L79	590.73

EX STM MH 120
RIM:588.43
D=5.50'
INV:582.93 (30" S)
INV:583.50 (18" NW)
INV:582.93 (30"N)

EX STM INL
RIM:586.77
D=1.97'
INV:584.80 (15" W)

FUTURE CATCH BASIN
STA:???
F/L:587.00
D=3.72'
INV:583.28 (12" SE)

EX SAN MH 106
RIM:587.09
D=6.90'
INV:580.19 (10" W)
INV:580.19 (10"E)

EX STM MH 127
RIM:586.71
D=1.50'
INV:585.21 (12"NE)

EX STM MH 128
RIM:585.88
D=2.67'
INV:583.63 (12" SW)
INV:583.21 (15"NE)

EX STM MH 130
RIM:587.18
D=5.32'
INV:581.86 (36" S)
INV:582.28 (15" SW)
INV:581.86 (36"NE)

EX STM MH 129
RIM:587.76
D=5.51'
INV:582.25 (36" SW)
INV:582.25 (36"N)

EX SAN MH 111
RIM:587.57
D=7.70'
INV:579.87 (10" W)
INV:579.87 (10"SE)
INV:579.87 (8"N)

STUB 12" ST SEWER TO FUTURE INLET. INSTALL 12" CAP

15'-12" ST. SEWER @ 0.25%

160'-12" ST. SEWER @ 0.25%

CONTRACTOR TO COORDINATE SUPPORT OF GUY POLE AND LIGHT POLE AS NECESSARY

EX SAN MH 101
RIM:587.93
D=12.12'
INV:581.43 (10" NW)
INV:575.81 (10" S)
INV:580.81 (10"E)

ST CATCH BASIN 2
F/L:587.00
D=3.76'
INV:583.24 (12" E)
INV:583.24 (12" NW)

EX STM MH 126
RIM:586.89
D=4.13'
INV:582.76 (15" SW)
INV:582.76 (36"NE)
INV:582.84 (36"SE)
INV: 582.76 (15" W)

CORE DRILL AND PROVIDE 15" PIPE CONNECTION TO EXISTING STORM MANHOLE.

EX STM MH 131
RIM:588.24
D=5.20'
INV:583.04 (36" NW)
INV:583.04 (12" S)
INV:583.04 (36"S)

31'-15" ST. SEWER @ 0.25%

EXACT LOCATION AND ELEVATION OF PIPE IS UNKNOWN. CONTRACTOR TO VERIFY THAT A MINIMUM OF 1.25' OF COVER IS MAINTAINED OVER PIPE.

ST CATCH BASIN 1
F/L:588.00
D=5.16'
INV:582.84 (15" E)
INV:582.84 (12" W)

EX SAN MH 102
RIM:593.03
D=11.65'
INV:581.38 (10" W)
INV:584.71 (10" W)
INV:581.38 (8"E)
INV:581.38 (10"N)

EX SAN MH 104
RIM:590.80
D=8.20'
INV:582.60 (8" W)
INV:582.60 (8" SW)

STRUCTURE - (51)
RIM:-2.95
D=???'
INV:591.00 (12"E)

EX STM INL 125
RIM:593.38
D=1.81'
INV:590.08 (12" W)
INV:590.08 (6"E)
INV:589.68 (15"NE)

STRUCTURE - (53)
RIM:-3.40
D=???'
INV:590.61 (6" W)

MILL ROAD
POST OFFICE LANE
PARKVIEW LANE
PARKVIEW DRIVE
ALLEY
S.T.H. "42"
BAY SHORE DRIVE

LEGEND

- PROPOSED SANITARY SEWER
- 8SS — 8SS — EXISTING SANITARY SEWER (SIZE NOTED)
- PROPOSED STORM SEWER
- 10ST — 10ST — EXISTING STORM SEWER (SIZE NOTED)
- PROPOSED WATERMAIN
- 6W — 6W — 6W — EXISTING WATERMAIN (SIZE NOTED)

PROPOSED	EXISTING	
		FIRE HYDRANT
		WATER VALVE/CURB STOP
		WATER MANHOLE
		REDUCER/INCREASER
		SANITARY MANHOLE
		LIFT STATION
		TRACER WIRE SIGNAL CONNECTION BOX
		CLEANOUT
		STORM MANHOLE
		STORM CATCH BASIN
		STORM INLET
		STORM INLET MANHOLE
		YARD DRAIN
		STANDPIPE
		ROOF DOWNSPOUT

NOTE

1. FIELD VERIFY LOCATION OF EXISTING UTILITIES. IF EXISTING LOCATIONS DIFFER FROM WHAT IS INDICATED ON THE PLANS, **CONTACT ENGINEER,** PRIOR TO CONTINUED WORK.

NORTH

0' 20' 40'
SCALE IN FEET

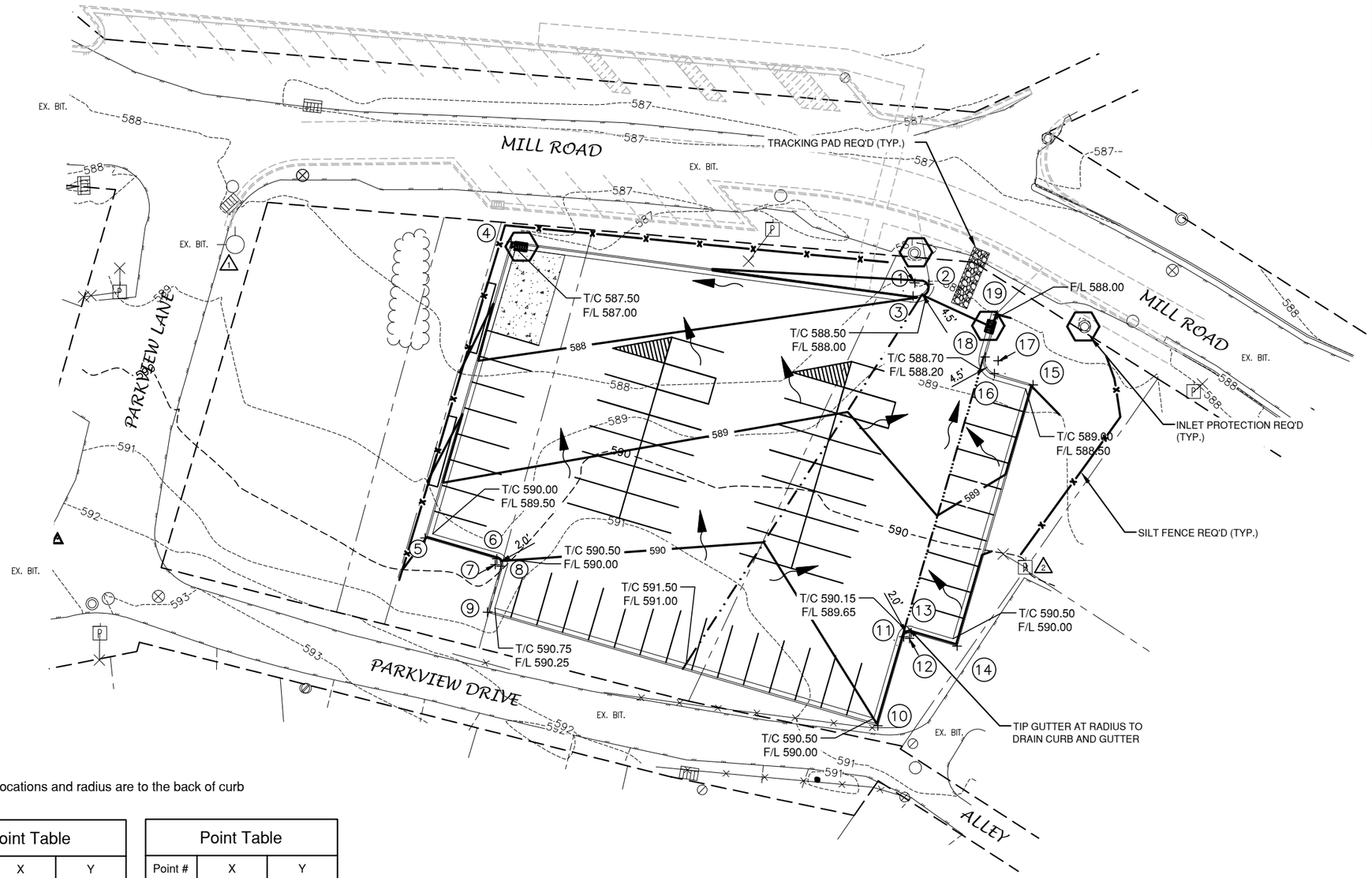
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PARKING LOT - UTILITY PLAN	SHEET 200 E

FILE NAME : R:\0200\0282\0282153\DWG\0282153D.DWG PLOT DATE : 2/20/2015 1:43 PM PLOT BY : AARON J. BREITENFELD PLOT NAME : _____

WISDOT/CADDS SHEET 42

BENCHMARK	BENCHMARK ESTABLISHED BY: ROBERT E. LEE & ASSOCIATES, INC. **FIELD VERIFY BENCHMARKS FOR ACCURACY.**

NO.	DESCRIPTION	EL.
1	TAGBOLT ON HYDRANT	590.03
2	NAIL IN POWER POLE #3128-5L79	590.73



LEGEND

T/C 999.99	TOP OF CURB ELEVATION
F/L 888.88	FLOW LINE ELEVATION
S/W 666.66	TOP OF SIDEWALK ELEVATION
E/P 555.55	EDGE OF PAVEMENT ELEVATION
R/W 444.44	TOP OF RETAINING WALL ELEVATION
333.33	GROUND ELEVATION
	DRAINAGE SWALE
	DRAINAGE DIVIDE
	SILT FENCE
	BALE DITCH CHECK
	FLOW ARROW
	TRACKING PAD
	INLET PROTECTION

NOTE: Points locations and radius are to the back of curb

Point Table		
Point #	X	Y
1	559614.39	287682.35
2	559618.95	287681.90
3	559613.79	287677.89
4	559479.36	287696.09
5	559450.53	287597.00
6	559474.53	287590.02
7	559473.97	287588.10
8	559475.90	287587.54
9	559471.43	287572.18
10	559602.01	287534.18

Point Table		
Point #	X	Y
11	559610.67	287563.95
12	559612.59	287563.39
13	559613.15	287565.31
14	559628.51	287560.84
15	559653.93	287648.22
16	559640.97	287651.99
17	559642.23	287656.31
18	559637.91	287657.57
19	559642.01	287671.66

NORTH

0' 20' 40'

SCALE IN FEET

EROSION CONTROL

ALL EROSION CONTROL PRACTICES INDICATED ON THIS PLAN ARE APPROXIMATE LOCATIONS ONLY. THE ACTUAL SITE MAY REQUIRE MORE OR LESS EROSION CONTROL DEPENDING ON THE CURRENT CONDITION OF THE SITE.

1. SILT FENCE IS REQUIRED DOWNSLOPE OF ANY DISTURBED LAND THAT MAY CARRY SEDIMENTS OFF SITE.
2. A TRACKING PAD IS REQUIRED AT ANY INGRESS/EGRESS LOCATION, WHERE SEDIMENT MAY BE TRACKED OFF-SITE.
3. PROPER INLET PROTECTION SHALL BE USED DEPENDING ON THE INLET TYPE.
4. ALL NECESSARY SITE DEWATERING SHALL BE PERFORMED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061.

DATE 27MAR15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4610-06-71 QUANTITY
0010	108.4300	RBC Progress Schedule	EACH	1.000	1.000
0020	201.0105	Clearing	STA	5.000	5.000
0030	201.0120	Clearing	ID	469.000	469.000
0040	201.0205	Grubbing	STA	5.000	5.000
0050	201.0220	Grubbing	ID	488.000	488.000
0060	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000
0070	204.0100	Removing Pavement	SY	162.000	162.000
0080	204.0110	Removing Asphaltic Surface	SY	454.000	454.000
0090	204.0130	Removing Curb	LF	100.000	100.000
0100	204.0150	Removing Curb & Gutter	LF	6,755.000	6,755.000
0110	204.0155	Removing Concrete Sidewalk	SY	3,290.000	3,290.000
0120	204.0165	Removing Guardrail	LF	90.000	90.000
0130	204.0195	Removing Concrete Bases	EACH	17.000	17.000
0140	204.0210	Removing Manholes	EACH	7.000	7.000
0150	204.0215	Removing Catch Basins	EACH	3.000	3.000
0160	204.0220	Removing Inlets	EACH	20.000	20.000
0170	204.0240	Site Clearance (parcel) 01. Parcel 37	LS	1.000	1.000
0180	204.0245	Removing Storm Sewer (size) 01. 10-Inch	LF	16.000	16.000
0190	204.0245	Removing Storm Sewer (size) 02. 12-Inch	LF	491.000	491.000
0200	204.0245	Removing Storm Sewer (size) 03. 15-Inch	LF	345.000	345.000
0210	204.0245	Removing Storm Sewer (size) 04. 18-Inch	LF	415.000	415.000
0220	204.0245	Removing Storm Sewer (size) 05. 30-Inch	LF	355.000	355.000
0230	204.0245	Removing Storm Sewer (size) 06. 42-Inch	LF	110.000	110.000
0240	204.0250	Abandoning Manholes	EACH	2.000	2.000
0250	204.0260	Abandoning Inlets	EACH	1.000	1.000
0260	204.0265	Abandoning Wells	EACH	1.000	1.000
0270	204.0280	Sealing Pipes	EACH	1.000	1.000
0280	204.0291.S	Abandoning Sewer	CY	59.000	59.000
0290	205.0100	Excavation Common	CY	22,547.000	22,547.000
0300	205.0200	Excavation Rock	CY	3,419.000	3,419.000
0310	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	220.000	220.000
0320	205.1300	Presplitting Rock	LF	800.000	800.000
0330	209.0100	Backfill Granular	CY	350.000	350.000
0340	213.0100	Finishing Roadway (project) 01. 4610-06-71	EACH	1.000	1.000
0350	214.0100	Obliterating Old Road	STA	2.000	2.000
0360	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,898.000	1,898.000
0370	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	11,920.000	11,920.000
0380	311.0110	Breaker Run	TON	920.000	920.000
0390	405.0100	Coloring Concrete Red	CY	100.000	100.000
0400	415.0080	Concrete Pavement 8-Inch	SY	19,660.000	19,660.000
0410	415.0210	Concrete Pavement Gaps	EACH	6.000	6.000
0420	415.1080	Concrete Pavement HES 8-Inch	SY	3,830.000	3,830.000
0430	416.0160	Concrete Driveway 6-Inch	SY	118.000	118.000
0440	416.1010	Concrete Surface Drains	CY	1.000	1.000
0450	440.4410.S	Incentive IRI Ride	DOL	3,600.000	3,600.000
0460	455.0122	Asphaltic Material PG64-34	TON	98.000	98.000
0470	455.0605	Tack Coat	GAL	490.000	490.000
0480	460.1101	HMA Pavement Type E-1	TON	1,736.000	1,736.000
0490	460.2000	Incentive Density HMA Pavement	DOL	840.000	840.000
0500	460.4000	HMA Cold Weather Paving	TON	100.000	100.000
0510	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	231.000	231.000

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DATE 27MAR15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4610-06-71 QUANTITY
0520	465.0125	Asphaltic Surface Temporary	TON	2,444.000	2,444.000
0530	465.0315	Asphaltic Flumes	SY	7.000	7.000
0540	520.8000	Concrete Collars for Pipe	EACH	6.000	6.000
0550	520.9700.S	Culvert Pipe Liners (size) 01. 30-INCH	LF	134.000	134.000
0560	520.9750.S	Cleaning Culvert Pipes for Liner Verification	EACH	1.000	1.000
0570	601.0205	Concrete Gutter 24-Inch	LF	218.000	218.000
0580	601.0342	Concrete Curb & Gutter Integral 18-Inch	LF	5,593.000	5,593.000
0590	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	2,284.000	2,284.000
0600	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	782.000	782.000
0610	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	229.000	229.000
0620	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,505.000	1,505.000
0630	601.0600	Concrete Curb Pedestrian	LF	257.000	257.000
0640	602.0405	Concrete Sidewalk 4-Inch	SF	42,590.000	42,590.000
0650	602.0415	Concrete Sidewalk 6-Inch	SF	4,375.000	4,375.000
0660	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	312.000	312.000
0670	602.1500	Concrete Steps	SF	58.000	58.000
0680	607.0406	Storm Sewer Pipe Composite 6-Inch	LF	13.000	13.000
0690	607.0408	Storm Sewer Pipe Composite 8-Inch	LF	47.000	47.000
0700	607.0410	Storm Sewer Pipe Composite 10-Inch	LF	17.000	17.000
0710	607.0412	Storm Sewer Pipe Composite 12-Inch	LF	11.000	11.000
0720	607.5000	Storm Sewer Rock Excavation	CY	2,300.000	2,300.000
0730	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	954.000	954.000
0740	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	471.000	471.000
0750	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	183.000	183.000
0760	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	716.000	716.000
0770	608.0427	Storm Sewer Pipe Reinforced Concrete Class IV 27-Inch	LF	173.000	173.000
0780	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	1,106.000	1,106.000
0790	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	1,002.000	1,002.000
0800	608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	262.000	262.000
0810	608.0454	Storm Sewer Pipe Reinforced Concrete Class IV 54-Inch	LF	49.000	49.000
0820	610.0143	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 43x68-Inch	LF	430.000	430.000
0830	610.0414	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 14x23-Inch	LF	108.000	108.000
0840	610.0424	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	459.000	459.000
0850	611.0535	Manhole Covers Type J-Special	EACH	34.000	34.000
0860	611.0609	Inlet Covers Type B-A	EACH	2.000	2.000
0870	611.0612	Inlet Covers Type C	EACH	5.000	5.000
0880	611.0624	Inlet Covers Type H	EACH	46.000	46.000
0890	611.0639	Inlet Covers Type H-S	EACH	6.000	6.000
0900	611.0645	Inlet Covers Type MS-A	EACH	2.000	2.000

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DATE 27MAR15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4610-06-71 QUANTITY
0910	611.0654	Inlet Covers Type V	EACH	3.000	3.000
0920	611.1004	Catch Basins 4-FT Diameter	EACH	17.000	17.000
0930	611.1005	Catch Basins 5-FT Diameter	EACH	2.000	2.000
0940	611.1006	Catch Basins 6-FT Diameter	EACH	1.000	1.000
0950	611.1230	Catch Basins 2x3-FT	EACH	41.000	41.000
0960	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0970	611.2005	Manholes 5-FT Diameter	EACH	11.000	11.000
0980	611.2006	Manholes 6-FT Diameter	EACH	12.000	12.000
0990	611.2007	Manholes 7-FT Diameter	EACH	2.000	2.000
1000	611.3220	Inlets 2x2-FT	EACH	1.000	1.000
1010	611.3901	Inlets Median 1 Grate	EACH	2.000	2.000
1020	611.8110	Adjusting Manhole Covers	EACH	4.000	4.000
1030	611.8120.S	Cover Plates Temporary	EACH	4.000	4.000
1040	611.9900.S	Drain Slotted Vane	EACH	1.000	1.000
1050	612.0106	Pipe Underdrain 6-Inch	LF	3,483.000	3,483.000
1060	612.0404	Pipe Underdrain Wrapped 4-Inch	LF	155.000	155.000
1070	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	209.000	209.000
1080	612.0902.S	Insulation Board Polystyrene (inch) 02. 4-Inch	SY	30.000	30.000
1090	616.0700.S	Fence Safety	LF	4,375.000	4,375.000
1100	618.0100	Maintenance And Repair of Haul Roads (project) 01. 4610-06-71	EACH	1.000	1.000
1110	619.1000	Mobilization	EACH	1.000	1.000
1120	620.0100	Concrete Corrugated Median	SF	230.000	230.000
1130	624.0100	Water	MGAL	206.300	206.300
1140	625.0100	Topsoil	SY	8,156.000	8,156.000
1150	628.1504	Silt Fence	LF	2,940.000	2,940.000
1160	628.1520	Silt Fence Maintenance	LF	936.000	936.000
1170	628.1905	Mobilizations Erosion Control	EACH	15.000	15.000
1180	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
1190	628.2008	Erosion Mat Urban Class I Type B	SY	5,554.000	5,554.000
1200	628.2037	Erosion Mat Class III Type C	SY	380.000	380.000
1210	628.7005	Inlet Protection Type A	EACH	55.000	55.000
1220	628.7010	Inlet Protection Type B	EACH	12.000	12.000
1230	628.7015	Inlet Protection Type C	EACH	69.000	69.000
1240	628.7020	Inlet Protection Type D	EACH	8.000	8.000
1250	628.7560	Tracking Pads	EACH	4.000	4.000
1260	628.7570	Rock Bags	EACH	108.000	108.000
1270	629.0205	Fertilizer Type A	CWT	6.000	6.000
1280	630.0140	Seeding Mixture No. 40	LB	116.000	116.000
1290	630.0200	Seeding Temporary	LB	233.000	233.000
1300	631.0300	Sod Water	MGAL	60.000	60.000
1310	631.1000	Sod Lawn	SY	2,630.000	2,630.000
1320	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	25.000	25.000
1330	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	14.000	14.000
1340	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	6.000	6.000
1350	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	5.000	5.000
1360	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	3.000	3.000
1370	637.2210	Signs Type II Reflective H	SF	393.620	393.620
1380	637.2230	Signs Type II Reflective F	SF	110.500	110.500
1390	638.2602	Removing Signs Type II	EACH	54.000	54.000
1400	638.3000	Removing Small Sign Supports	EACH	51.000	51.000
1410	642.5401	Field Office Type D	EACH	1.000	1.000

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DATE 27MAR15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4610-06-71 QUANTITY
1420	643.0100	Traffic Control (project) 01. 4610-06-71	EACH	1.000	1.000
1430	643.0300	Traffic Control Drums	DAY	19,035.000	19,035.000
1440	643.0420	Traffic Control Barricades Type III	DAY	6,070.000	6,070.000
1450	643.0705	Traffic Control Warning Lights Type A	DAY	8,255.000	8,255.000
1460	643.0715	Traffic Control Warning Lights Type C	DAY	6,750.000	6,750.000
1470	643.0900	Traffic Control Signs	DAY	9,950.000	9,950.000
1480	643.0920	Traffic Control Covering Signs Type II	EACH	11.000	11.000
1490	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
1500	643.2000	Traffic Control Detour (project) 01. 4610-06-71	EACH	1.000	1.000
1510	643.3000	Traffic Control Detour Signs	DAY	23,180.000	23,180.000
1520	646.0106	Pavement Marking Epoxy 4-Inch	LF	9,685.000	9,685.000
1530	646.0126	Pavement Marking Epoxy 8-Inch	LF	185.000	185.000
1540	646.0600	Removing Pavement Markings	LF	7,400.000	7,400.000
1550	647.0256	Pavement Marking Symbols Epoxy	EACH	4.000	4.000
1560	647.0456	Pavement Marking Curb Epoxy	LF	2,055.000	2,055.000
1570	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	88.000	88.000
1580	647.0656	Pavement Marking Parking Stall Epoxy	LF	5,510.000	5,510.000
1590	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	1,890.000	1,890.000
1600	647.0856	Pavement Marking Concrete Corrugated Median Epoxy	SF	90.000	90.000
1610	648.0100	Locating No-Passing Zones	MI	12.570	12.570
1620	649.0200	Temporary Pavement Marking Reflective Paint 4-Inch	LF	131,310.000	131,310.000
1630	650.4000	Construction Staking Storm Sewer	EACH	107.000	107.000
1640	650.4500	Construction Staking Subgrade	LF	5,557.000	5,557.000
1650	650.5000	Construction Staking Base	LF	1,496.000	1,496.000
1660	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,435.000	2,435.000
1670	650.7000	Construction Staking Concrete Pavement	LF	4,060.000	4,060.000
1680	650.8500	Construction Staking Electrical Installations (project) 01. 4610-06-71	LS	1.000	1.000
1690	650.9910	Construction Staking Supplemental Control (project) 01. 4610-06-71	LS	1.000	1.000
1700	650.9920	Construction Staking Slope Stakes	LF	5,549.000	5,549.000
1710	652.0215	Conduit Rigid Nonmetallic Schedule 40 1 1/4-Inch	LF	5,632.000	5,632.000
1720	654.0105	Concrete Bases Type 5	EACH	34.000	34.000
1730	654.0200	Concrete Control Cabinet Bases Type 6	EACH	1.000	1.000
1740	655.0610	Electrical Wire Lighting 12 AWG	LF	2,754.000	2,754.000
1750	655.0615	Electrical Wire Lighting 10 AWG	LF	9,808.000	9,808.000
1760	655.0620	Electrical Wire Lighting 8 AWG	LF	5,740.000	5,740.000
1770	655.0625	Electrical Wire Lighting 6 AWG	LF	850.000	850.000
1780	655.0630	Electrical Wire Lighting 4 AWG	LF	5,549.000	5,549.000
1790	655.0635	Electrical Wire Lighting 2 AWG	LF	11,193.000	11,193.000
1800	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. Station 625+45 RT	LS	1.000	1.000
1810	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000
1820	690.0150	Sawing Asphalt	LF	1,850.000	1,850.000
1830	690.0250	Sawing Concrete	LF	842.000	842.000
1840	715.0415	Incentive Strength Concrete Pavement	DOL	1,307.000	1,307.000
1850	999.1500.S	Crack and Damage Survey	LS	1.000	1.000

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DATE 27MAR15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4610-06-71 QUANTITY
1860	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	4,000.000	4,000.000
1870	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	5,280.000	5,280.000
1880	SPV.0035	Special 01. Sanitary Sewer and Water Main Rock Excavation	CY	570.000	570.000
1890	SPV.0035	Special 02. Rock Trenching Special	CY	700.000	700.000
1900	SPV.0035	Special 03. Coloring Concrete Brown	CY	52.000	52.000
1910	SPV.0060	Special 01. Sanitary Manhole Frame & Lid Special	EACH	4.000	4.000
1920	SPV.0060	Special 02. Sanitary Manhole Outside Drop Specia	EACH	2.000	2.000
1930	SPV.0060	Special 03. Exposing Existing Water Main	EACH	10.000	10.000
1940	SPV.0060	Special 04. Water Service Connection Set Special	EACH	1.000	1.000
1950	SPV.0060	Special 05. Sanitary Manhole Special	EACH	2.000	2.000
1960	SPV.0060	Special 06. Decorative Light Poles and Assemblie	EACH	34.000	34.000
1970	SPV.0060	Special 07. Salvaged Decorative Light Poles	EACH	9.000	9.000
1980	SPV.0060	Special 08. Stormwater Treatment Device	EACH	2.000	2.000
1990	SPV.0060	Special 09. Storm Sewer Tee 54-Inch x 18-Inch	EACH	1.000	1.000
2000	SPV.0060	Special 10. Storm Sewer Tap	EACH	5.000	5.000
2010	SPV.0060	Special 11. Storm Sewer Plug	EACH	2.000	2.000
2020	SPV.0060	Special 12. Manholes 10-FT Diameter	EACH	7.000	7.000
2030	SPV.0060	Special 13. Removing Tree Protectors	EACH	3.000	3.000
2040	SPV.0060	Special 14. Concrete 30x24-Inch Transition	EACH	1.000	1.000
2050	SPV.0060	Special 15. Adjusting Sanitary Manhole Cover	EACH	19.000	19.000
2060	SPV.0060	Special 16. Adjusting Water Valve Box	EACH	27.000	27.000
2070	SPV.0060	Special 17. Reconnecting Existing Storm Sewer Lateral	EACH	3.000	3.000
2080	SPV.0075	Special 01. Street Sweeping	HRS	72.000	72.000
2090	SPV.0090	Special 01. Water Service Lateral 1-Inch Copper Special	LF	39.000	39.000
2100	SPV.0090	Special 02. Water Main 6-Inch Ductile Iron Special	LF	30.000	30.000
2110	SPV.0090	Special 03. Water Main 8-Inch Ductile Iron Special	LF	334.000	334.000
2120	SPV.0090	Special 04. Water Main 10-Inch Ductile Iron Special	LF	90.000	90.000
2130	SPV.0090	Special 05. Sanitary Sewer 8-Inch PVC Special	LF	10.000	10.000
2140	SPV.0090	Special 06. Sanitary Sewer 10-Inch PVC Special	LF	586.000	586.000
2150	SPV.0090	Special 07. Sanitary Sewer Televising Special	LF	586.000	586.000
2160	SPV.0090	Special 08. Sanitary Sewer Lateral 4-Inch PVC Special	LF	42.000	42.000
2170	SPV.0090	Special 09. Timber Fence	LF	460.000	460.000
2180	SPV.0090	Special 10. Removing Timber Landscaping Wall	LF	237.000	237.000
2190	SPV.0090	Special 11. Removing Landscaping Wall	LF	133.000	133.000
2200	SPV.0090	Special 12. Abandoning Concrete Box Structure	LF	52.000	52.000
2210	SPV.0090	Special 13. Joint Ties	LF	1,745.000	1,745.000

3

DATE 27MAR15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4610-06-71 QUANTITY
2220	SPV.0090	Special 14. Covering Existing Parking Stall Line	LF	1,920.000	1,920.000
2230	SPV.0090	Special 15. Handrail Special	LF	30.000	30.000
2240	SPV.0090	Special 16. Concrete Curb and Gutter, Cold Weather Covering, Plastic 1 Layer	LF	1,847.000	1,847.000
2250	SPV.0090	Special 17. Concrete Curb and Gutter, Cold Weather Covering, Plastic 2 Layers	LF	924.000	924.000
2260	SPV.0090	Special 18. Concrete Curb and Gutter, Cold Weather Covering, Plastic/Hay/Plastic or	LF	924.000	924.000
2270	SPV.0090	Special 19. Salvaging and Resetting Landscaping Wall	LF	8.000	8.000
2280	SPV.0090	Special 20. Salvaged Timber Retaining Wall	LF	113.000	113.000
2290	SPV.0105	Special 01. Seismograph/Vibration Monitoring	LS	1.000	1.000
2300	SPV.0105	Special 02. Removing Landscaping Items From Parcel 37	LS	1.000	1.000
2310	SPV.0105	Special 03. Concrete Pavement Joint Layout	LS	1.000	1.000
2320	SPV.0120	Special 01. Water for Seeded Areas	MGAL	94.000	94.000
2330	SPV.0165	Special 01. Concrete Weir Inside Manhole	SF	38.000	38.000
2340	SPV.0165	Special 02. Removing Brick Pavers	SF	7,860.000	7,860.000
2350	SPV.0165	Special 03. Salvaging Brick Pavers	SF	285.000	285.000
2360	SPV.0165	Special 04. Setting Brick Pavers	SF	285.000	285.000
2370	SPV.0165	Special 05. Modular Block Wall	SF	438.000	438.000
2380	SPV.0165	Special 06. Stamped Concrete Sidewalk 4-Inch	SF	4,215.000	4,215.000
2390	SPV.0180	Special 01. Concrete Pavement, Cold Weather Covering, Plastic 1 Layer	SY	4,439.000	4,439.000
2400	SPV.0180	Special 02. Concrete Pavement, Cold Weather Covering, Plastic 2 Layers	SY	2,219.000	2,219.000
2410	SPV.0180	Special 03. Concrete Pavement, Cold Weather Covering, Plastic/Hay/Plastic or Blanket	SY	2,219.000	2,219.000
2420	SPV.0180	Special 04. Temporary Pavement	SY	640.000	640.000

3

CLEARING & GRUBBING

STATION	TO	STATION	LOCATION	CLEARING 201.0105 STA.	CLEARING 201.0120 I.D.	GRUBBING 201.0205 STA.	GRUBBING 201.0220 I.D.	REMARKS
603+00	-	604+00	LT	1	---	1	---	
611+00	-	612+00	LT & RT	1	---	1	---	
620+90			RT	---	10	---	10	
622+10			LT	---	8	---	8	
622+40			LT	---	10	---	10	
625+40			LT	---	12	---	12	
625+40			RT	---	3	---	3	
625+60			LT	---	10	---	10	
625+60			RT	---	6	---	6	
625+80			LT	---	9	---	9	
626+20			RT	---	6	---	6	
626+25			RT	---	6	---	6	
626+30			RT	---	6	---	6	
626+35			RT	---	6	---	6	
626+40			RT	---	---	---	7	
626+85			RT	---	16	---	16	
628+00	-	631+00	RT	3	---	3	---	
636+80			RT	---	22	---	22	
636+85			RT	---	15	---	15	
636+90			RT	---	14	---	14	
637+40			LT	---	10	---	10	
640+70			RT	---	---	---	12	
MILL ROAD PARKING LOT				---	300	---	300	
			TOTAL	5	469	5	488	

REMOVING PAVEMENT

STATION	LOCATION	204.0100 SY	REMARKS
50+50	RT	4	OLD BENCH BASE
617+65	LT	6	DRIVEWAY
617+90	LT	9	DRIVEWAY
618+25	LT	8	DRIVEWAY
625+30	RT	2	CONCRETE PAD
626+40	LT	15	BENCH AREA
626+80	LT	15	BENCH AREA
639+50	RT	79	BACK OF SIDEWALK TO SAWCUT
640+55	LT	24	DRIVEWAY
	TOTAL	162	

REMOVING ASPHALTIC SURFACES

STATION	TO	STATION	LOCATION	204.0110 SY	REMARKS
601+00			RT	20	DRIVEWAY
602+10			RT	5	SHARED USE PATH
602+75			RT	10	SHARED USE PATH
603+70			LT	14	DRIVEWAY
605+50			LT	13	DRIVEWAY
606+75	-	607+60	LT	10	ASPHALTIC DITCH
607+00	-	608+00	RT	58	PED PATH WEST OF DRIVEWAY
608+00	-	609+00	RT	68	PED PATH EAST OF DRIVEWAY
607+60	-	610+00	LT	123	ASPHALTIC DITCH
51+00	-	52+60	RT	127	PED PATH
90+50			LT	6	ASPHLATIC SWALE
			TOTAL	454	

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 EACH	REMARKS
605+37	LT	1	51' CMCP
610+10	LT	1	24' CMCP
32+20	RT	1	50' CMCP
	TOTAL	3	

REMOVING GUARDRAIL

STATION	TO	STATION	LOCATION	204.0165 LF	REMARKS
611+55	-	612+35	RT	79	
628+20			RT	11	LAST PANEL
			TOTAL	90	

REMOVING CURB

STATION	TO	STATION	LOCATION	204.0130 LF	REMARKS
637+50	-	638+50	RT	100	PED CURB BEHIND SIDEWALK
			TOTAL	100	

ALL ITEMS ARE CATEGORY 0010
UNLESS NOTED OTHERWISE

REMOVING CURB AND GUTTER

STATION	TO	STATION	LOCATION	204.0150 LF	REMARKS
600+00		602+25	RT	250	
600+60	-	601+35	LT	80	
601+70	-	602+70	LT	100	
602+65	-	603+00	RT	60	
603+00	-	603+85	LT	90	
50+25	-	52+50	RT	253	
50+10	-	54+95	LT	487	
613+10	-	616+40	LT	340	
613+30	-	616+75	RT	370	
616+80	-	622+55	LT	593	
617+20	-	622+35	RT	607	
622+65	-	636+35	RT	1411	
622+90	-	640+50	LT	1772	
636+65	-	640+00	RT	342	
			TOTAL	6755	

REMOVING CONCRETE SIDEWALK

STATION	TO	STATION	LOCATION	204.0155 SY	REMARKS
50+10	-	55+50	LT	282	
613+00	-	616+50	LT	230	
613+00	-	617+00	RT	238	
616+50	-	620+00	LT	205	
617+00	-	620+00	RT	170	
620+00	-	622+50	RT	160	
620+00	-	622+70	LT	140	
622+50	-	630+00	RT	400	
622+70	-	630+00	LT	460	
630+00	-	636+50	LT	295	
630+00	-	636+00	RT	310	
636+00	-	640+50	LT	220	
636+00	-	640+00	RT	180	
			TOTAL	3290	

REMOVING CONCRETE BASES

STATION	LOCATION	204.0195 EACH	REMARKS
50+47	30 RT	1	
50+58	30 RT	1	
51+35	35 RT	1	
51+99	35 RT	1	
33+64	35 LT	1	
90+43	18 RT	1	
621+17	20 RT	1	
632+67	27 LT	1	
633+60	27 LT	1	
634+41	28 LT	1	
635+30	31 LT	1	
636+13	32 LT	1	
637+24	27 LT	1	
638+18	27 LT	1	
639+02	26 LT	1	
639+65	27 RT	1	
639+87	27 LT	1	
	TOTAL	17	

REMOVING MANHOLES

STATION	LOCATION	204.0210 EACH	REMARKS
30+94	44 RT	1	
615+37	8 RT	1	
617+07	14 RT	1	
618+36	10 RT	1	
620+22	14 RT	1	
622+22	20 RT	1	
622+56	27 LT	1	
	TOTAL	7	

REMOVING CATCH BASINS

STATION	LOCATION	204.0215 EACH	REMARKS
616+16	22 LT	1	
616+38	35 LT	1	
90+45	23 LT	1	
	TOTAL	3	

REMOVING INLETS

STATION	LOCATION	204.0220 EACH	REMARKS
33+81	28 RT	1	
50+70	30 LT	1	
615+04	22 LT	1	
615+26	16 RT	1	
616+17	16 RT	1	
70+51	16 RT	1	
70+87	25 LT	1	
618+29	15 RT	1	
619+61	16 RT	1	
622+34	19 LT	1	
90+41	5 RT	1	
622+48	23 LT	1	
90+46	33 LT	1	
626+79	19 RT	1	
626+84	19 LT	1	
630+74	21 RT	1	
630+77	17 LT	1	
636+21	23 LT	1	
636+22	16 RT	1	
100+33	24 LT	1	
	TOTAL	20	

SITE CLEARANCE PARCEL 37

ITEM 204.0240	LS	REMARKS
SITE CLEARANCE PARCEL 37	1	REMOVE CONCRETE SLAB AND FOUNDATION WITHIN ROW TO THE SOUTH OF DRIVEWAY AT STA 628+10

REMOVING STORM SEWER

START LOCATION	END LOCATION	204.0245.01 10-INCH LF	204.0245.02 12-INCH LF	204.0245.03 15-INCH LF	204.0245.04 18-INCH LF	204.0245.05 30-INCH LF	204.0245.06 42-INCH LF	REMARKS
611+69, 23 LT	612+34, 33 LT	---	---	---	66	---	---	
52+99, 41 RT	51+99, 47 RT	---	---	---	---	---	110	
50+70, 30 LT	50+73, 45 RT	---	---	---	75	---	---	
615+04, 22 LT	615+04, 38 LT	16	---	---	---	---	---	
615+04, 23 LT	615+26, 16 RT	---	43	---	---	---	---	
615+26, 16 RT	616+17, 16 RT	---	92	---	---	---	---	
616+16, 23 LT	616+17, 16 RT	---	38	---	---	---	---	
616+38, 35 LT	616+16, 23 LT	---	25	---	---	---	---	
616+17, 16 RT	617+07, 14 RT	---	---	90	---	---	---	
70+51, 16 RT	617+07, 14 RT	---	45	---	---	---	---	
70+87, 25 LT	617+07, 14 RT	---	75	---	---	---	---	
70+87, 25 LT	70+96, 26 LT	---	8	---	---	---	---	
617+07, 14 RT	618+29, 15 RT	---	---	122	---	---	---	
618+29, 15 RT	619+61, 16 RT	---	---	133	---	---	---	
619+61, 16 RT	622+22, 20 RT	---	---	---	262	---	---	
90+56, 6 RT	90+41, 5 RT	---	---	---	---	16	---	
90+41, 5 RT	622+22, 20 RT	---	---	---	---	25	---	
90+56, 33 LT	90+46, 33 LT	---	8	---	---	---	---	
90+46, 33 LT	90+45, 23 LT	---	10	---	---	---	---	
90+45, 23 LT	90+41, 5 RT	---	29	---	---	---	---	
622+22, 20 RT	622+56, 27 LT	---	---	---	---	58	---	
622+56, 27 LT	80+27, 8 RT	---	---	---	---	25	---	
622+34, 19 LT	622+48, 23 LT	---	15	---	---	---	---	
622+48, 23 LT	622+56, 27 LT	---	9	---	---	---	---	
626+79, 19 RT	626+84, 19 LT	---	38	---	---	---	---	
626+84, 19 LT	626+84, 25 LT	---	5	---	---	---	---	
630+74, 21 RT	630+74, 30 RT	---	---	---	---	9	---	
630+74, 21 RT	630+77, 17 LT	---	---	---	---	38	---	
636+22, 16 RT	636+21, 23 LT	---	38	---	---	---	---	
101+46, 18 LT	101+25, 8 LT	---	---	---	---	30	---	
101+25, 8 LT	636+53, 16 LT	---	---	---	---	141	---	
100+33, 24 LT	100+32, 11 LT	---	13	---	---	---	---	
636+53, 16 LT	636+51, 28 LT	---	---	---	---	13	---	
638+91, 55 LT	638+98, 56 LT	---	---	---	6	---	---	
638+94, 39 LT	639+00, 40 LT	---	---	---	6	---	---	
	TOTAL	16	491	345	415	355	110	

ABANDONING SEWER

START LOCATION	END LOCATION	SIZE	204.0291.S CY	REMARKS
51+99, 47 RT	50+73, 45 RT	36-INCH	31	
612+10, 53 RT	612+34, 33 LT	36-INCH	24	INCLUDES FILLING MANHOLE STRUCTURE 7.0 TO SPECIFIED ELEVATION
626+84, 25 LT	626+80, 172 LT	12-INCH	4	FIELD VERIFY LOCATION
		TOTAL	59	

ABANDONING MANHOLES

STATION	LOCATION	204.0250 EACH	REMARKS
50+73	45 RT	1	
51+99	47 RT	1	
	TOTAL	2	

ABANDONING INLETS

STATION	LOCATION	204.0260 EACH	REMARKS
612+34	33 LT	1	
	TOTAL	1	

ABANDONING WELLS

STATION	LOCATION	204.0265 EACH	REMARKS
618+14	35 LT	1	
	TOTAL	1	

SEALING PIPES

START LOCATION	END LOCATION	204.0280 EACH	REMARKS
626+84, 25 LT	626+80, 172 LT	1	
	TOTAL	1	

ABANDONING CONCRETE BOX STRUCTURE

STATION	TO	STATION	LOCATION	SPV.0090.12 LF	REMARKS
40+88	-	41+38	BLUFFSIDE RT	52	
			TOTAL	52	

3

Category	From/To Station	Location	Excavation Common (CY) (1)		Rock Excavation (CY) (3) 205.0200	Unexpanded Fill (CY)	Expanded Fill (CY) (Expansion Factor 1.25)	Expanded Rock (CY) (Expansion Factor 1.15)	Mass Ordinate +/- (4)	Comment:
			Cut (CY) (2)	EBS (CY) (3)						
0010	600+00 - 640+86	STH 42	14,102	0	2,676	807	1,008	3,077	16,170	
	50+60 - 57+32	STH 57	1,873	0	0	144	180	0	1,693	
	10+40 - 10+73	Country Walk Drive	81	0	0	0	0	0	81	
	20+21 - 20+23	Sister Bluff Drive	15	0	0	0	0	0	15	
	30+61 - 33+60	Gateway Drive	1,115	0	487	93	116	560	1,559	
	40+91 - 41+67	Bluffside Drive	74	0	0	24	30	0	44	
	200+33 - 200+81	Driveway STH 42 611+44 LT	34	0	257	34	43	295	286	
	60+63 - 60+72	Maple Drive	25	0	0	0	0	0	25	
	70+43 - 70+88	CTH ZZ	108	0	0	0	0	0	108	
	80+27 - 80+31	Mill Road (West)	11	0	0	0	0	0	11	
	90+42 - 90+56	Mill Road (East)	35	0	0	0	0	0	35	
	100+50 - 101+50	Sunset Drive	192	0	0	0	0	0	192	
	110+42 - 110+60	Scandia Road	42	0	0	0	0	0	42	
		Temporary Asphalt Removal	3,390	0	0	0	0	0	3,390	
		Mill Road Parking Lot	1,425	25	0	0	0	0	1,450	
Project 4610-06-71 Subtotal			22,522	25	3,419	1,101	1,377	3,932	25,102	
Project 4610-06-71 Total			22,547		3,419					
Project 4610-06-71 Totals			**22,547**		**3,419**				**25,102**	

1) Excavation Common = Cut. Item number 205.0100.

2) Cut volume includes concrete and asphaltic surface material.

3) Rock Excavation limits as identified in the cross sections.

4) For the Mass Ordinate calculation, a positive quantity indicates an excess of material and a negative quantity indicates a shortage of material.
Mass Ordinate = Common Excavation - Borrow.Common Excavation and Borrow are balanced for quantity purposes but shall be verified in the field to guarantee the quality of Common Excavation, and if it can be reused onsite.

EXCAVATION SUMMARY

STATION	TO	STATION	205.1300 PRESPLITTING ROCK LF	607.5000 STORM SEWER ROCK EXCAVATION CY	* SPV.0035.01 SANITARY SEWER AND WATER MAIN ROCK EXCAVATION CY	SPV.0035.02 ROCK TRENCHING SPECIAL CY	REMARKS
600+00	-	603+50	---	415	---	67	
603+50	-	607+40	---	415	---	68	
607+40	-	609+50	160	380	---	---	
609+50	-	611+50	640	205	---	22	
30+61	-	31+10	---	---	25	---	
31+10	-	34+22	---	95	370	---	
50+07	-	52+71	---	212	175	25	
200+40	-	200+81	---	---	---	---	
611+50	-	614+50	---	343	---	295	
614+50	-	617+36	---	235	---	223	
		TOTAL	800	2300	570	700	

AGGREGATE SUMMARY

STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	624.0100 WATER MGAL	REMARKS
600+00	-	603+00	STH 42	6	703	---	9.9	
10+62	-	10+73	COUNTRY WALK DRIVE	2	17	14	0.5	
20+21	-	20+31	SISTER BLUFF DRIVE	1	11	11	0.3	
603+00	-	607+07	STH 42	---	685	---	9.6	
607+07	-	613+33	STH 42	44	1444	---	20.8	
30+60	-	33+69	GATEWAY DRIVE	---	519	390	12.7	
50+60	-	53+19	STH 57	---	845	---	11.8	
53+19	-	57+31	STH 57	31	1063	---	15.3	
40+88	-	41+67	BLUFFSIDE LANE	---	130	108	3.3	
613+33	-	619+87	STH 42	---	1339	---	18.7	
60+63	-	60+89	MAPLE DRIVE	---	41	37	1.1	
70+43	-	70+88	CTH ZZ	---	86	79	2.3	
619+87	-	640+86	STH 42	5	4783	70	68.0	
80+26	-	80+32	MILL ROAD (WEST)	---	6	7	0.2	
90+42	-	90+56	MILL ROAD (EAST)	---	22	19	0.6	
100+41	-	101+73	SUNSET DRIVE	8	200	165	5.2	
110+42	-	110+60	SCANDIA ROAD	1	26	20	0.7	
			MILL ROAD PARKING LOT	1800	---	---	25.2	
			TOTAL	1898	11920	920	206.3	

Aggregate includes roadway, sidewalk, and driveways

* CATEGORY 0020 ITEM

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

STATION	TO	STATION	205.0501.S TON	REMARKS
623+00	-	623+20	20	
626+80	-	627+50	70	
639+40	-	640+00	130	
		TOTAL	220	

OBLITERATING OLD ROAD

STATION	TO	STATION	LOCATION	214.0100 STA	REMARKS
607+00	-	609+00	GATEWAY	2	
			TOTAL	2	

CONCRETE PAVEMENT GAPS

INTERSECTION		415.0210 EACH	REMARKS
STH 42	STH 57	2	
STH 42	SUNSET	2	
UNDISTRIBUTED		2	
	TOTAL	6	

FINISHING ROADWAY PROJECT 4610-06-71

ITEM 213.0100	EACH
FINISHING ROADWAY PROJECT 4610-06-71	1

CONCRETE SURFACE DRAINS

STATION	LOCATION	416.1010 CY	REMARKS
33+87, 28 RT	GATEWAY	1	
	TOTAL	1	

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 SY	REMARKS
20+25 RT	SISTER BLUFF DRIVE	4	
110+45 LT	SCANDIA ROAD	3	
	TOTAL	7	

HMA COLD WEATHER PAVING

ITEM 460.4000	TON
HMA COLD WEATHER PAVING	100

CONCRETE PAVEMENT SUMMARY

STATION	TO	STATION	LOCATION	*** 405.0100 COLORING CONCRETE RED CY	*** SPV.0035.03 COLORING CONCRETE BROWN CY	*** SPV.0165.06 STAMPED CONCRETE SIDEWALK 4-INCH SF	415.0080 CONCRETE PAVEMENT 8-INCH SY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	415.1080 CONCRETE PAVEMENT HES 8-INCH SY	REMARKS
600+00	-	603+00	STH 42	---	---	---	1640	---	2190	
603+00	-	607+07	STH 42	---	14	1135	1460	15	---	
607+07	-	613+33	STH 42	23	38	3080	3260	26	105	
613+33	-	619+87	STH 42	28	---	---	2840	18	125	
619+87	-	640+86	STH 42	49	---	---	10400	59	1410	
MILL ROAD PARKING LOT				---	---	---	60	---	---	
			TOTAL	100	52	4215	19660	118	3830	

Includes all concrete, even side roads, within the station ranges

SPV.0180.04 TEMPORARY PAVEMENT

STATION	TO	STATION	LOCATION	SY
612+40	-	617+20	STH 42 LT	640
			TOTAL	640

ASPHALTIC CONCRETE PAVEMENT SUMMARY

STATION	TO	STATION	LOCATION	455.0122 ASPHALTIC MATERIAL PG64-34 TON	455.0605 TACK COAT GAL	460.1101 HMA PAVEMENT TYPE E-1 TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTERRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	REMARKS
600+00	-	603+00	STH 42	2	10	35	17	---	
10+62	-	10+73	COUNTRY WALK DRIVE	1	3	10	---	---	
20+21	-	20+31	SISTER BLUFF DRIVE	1	2	6	---	---	
603+00	-	607+07	STH 42	---	6	---	12	436	
607+07	-	613+33	STH 42	---	13	---	36	642	
30+60	-	33+69	GATEWAY DRIVE	13	62	236	41	---	
50+60	-	53+19	STH 57	16	57	285	---	90	
53+19	-	57+31	STH 57	21	75	373	5	---	
40+88	-	41+67	BLUFFSIDE LANE	4	19	74	---	---	
613+33	-	619+87	STH 42	---	8	---	17	212	
60+63	-	60+89	MAPLE DRIVE	1	5	19	0	---	
70+43	-	70+88	CTH ZZ	3	15	56	5	---	
619+87	-	640+86	STH 42	4	15	60	83	1064	
80+26	-	80+32	MILL ROAD (WEST)	1	1	4	---	---	
90+42	-	90+56	MILL ROAD (EAST)	1	3	11	3	---	
100+41	-	101+73	SUNSET DRIVE	7	32	121	12	---	
110+42	-	110+60	SCANDIA ROAD	1	4	16	---	---	
MILL ROAD PARKING LOT				24	160	430	---	---	
			TOTAL	98	490	1736	231	2444	

CULVERT PIPE LINER SUMMARY

STATION	TO	STATION	* 520.9700.S CULVERT PIPE LINER 30-INCH LF	* 520.9750.S CLEANING CULVERT PIPES FOR LINER VERIFICATION EACH	REMARKS
630+77, 17 LT	-	630+78, 151 LT	134	1	
		TOTAL	134	1	

* CATEGORY 0020 ITEM

*** CATEGORY 0040 ITEM

3

CONCRETE STEPS

STATION	LOCATION	602.1500 SF	REMARKS
616+10	STH 42	15	
616+24	STH 42	6	
627+81	STH 42	37	
	TOTAL	58	

CONCRETE PAVEMENT, COLD WEATHER COVERING

STATION	TO	STATION	LOCATION	SPV.0090.16 PLASTIC 1 LAYER LF	SPV.0090.17 PLASTIC 2 LAYERS LF	SPV.0090.18 PLASTIC/HAY/PLASTIC OR BLANKET LF	SPV.0180.01 PLASTIC 1 LAYER SY	SPV.0180.02 PLASTIC 2 LAYERS SY	SPV.0180.03 PLASTIC/HAY/PLASTIC OR BLANKET SY
600+00	-	603+00	STH 42	---	---	---	---	---	---
603+00	-	607+07	STH 42	143	71	71	220	110	110
607+07	-	613+33	STH 42	325	163	163	885	442	442
613+33	-	619+87	STH 42	324	162	162	623	312	312
619+87	-	640+86	STH 42	1055	528	528	2711	1355	1355
			TOTAL	1847	924	924	4439	2219	2219

CONCRETE SIDEWALK SUMMARY

STATION	TO	STATION	LOCATION	620.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	REMARKS
600+00	-	603+00	STH 42	200	---	40	
603+00	-	607+07	STH 42	2090	212	16	
607+07	-	613+33	STH 42	6280	502	64	
50+60	-	53+19	STH 57	1572	---	---	
53+19	-	57+31	STH 57	2160	312	8	
613+33	-	619+87	STH 42	8154	720	56	
619+87	-	640+86	STH 42	22134	2629	128	
			TOTAL	42590	4375	312	

CONCRETE CORRUGATED MEDIAN

STATION	TO	STATION	LOCATION	620.0100 SF	REMARKS
636+66	-	636+79	STH 42 LT	230	
			TOTAL	230	

CONCRETE CURB & GUTTER SUMMARY

STATION	TO	STATION	LOCATION	601.0205 CONCRETE GUTTER 24-INCH LF	601.0342 CONCRETE CURB & GUTTER INTEGRAL 18-INCH LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	REMARKS
600+00	-	603+00	STH 42	---	---	562	21	---	---	---	
603+00	-	607+07	STH 42	---	496	321	---	---	---	---	
607+07	-	613+33	STH 42	4	230	908	---	102	---	85	
30+60	-	33+69	GATEWAY DRIVE	---	---	---	---	---	618	---	
50+60	-	53+26	STH 57	---	---	---	---	127	425	---	
53+26	-	57+31	STH 57	---	---	---	---	---	416	---	
40+88	-	41+67	BLUFFSIDE LANE	73	---	---	81	---	---	---	
613-33	-	619+87	STH 42	19	1024	251	---	---	---	34	
60+63	-	60+75	MAPLE DRIVE	12	---	---	14	---	---	---	
70+43	-	70+88	CTH ZZ	---	---	---	10	---	46	---	30-INCH - DRIVEWAY ENTRANCE
619+87	-	640+86	STH 42	---	3843	242	---	---	---	138	
80+26	-	80+31	MILL ROAD (WEST)	---	---	---	10	---	---	---	
90+43	-	90+56	MILL ROAD (EAST)	---	---	---	28	---	---	---	
100+42	-	101+73	SUNSET DRIVE	110	---	---	---	---	---	---	
110+42	-	110+60	SCANDIA ROAD	---	---	---	18	---	---	---	
			MILL ROAD PARKING LOT	---	---	---	600	---	---	---	
			TOTAL	218	5593	2284	782	229	1505	257	

STORM SEWER PIPES

LOCATION	RIM ELEVATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0427 27-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	608.0454 54-INCH LF	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 610.0143 43x68-INCH LF	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 610.0414 14x23-INCH LF	610.0424 24x38-INCH LF	SPV.0090.13 JOINT TIES LF	% SLOPE	FROM STRUCTURE	TO STRUCTURE	INLET ELEVATION	DISCHARGE ELEVATION	REMARKS
Y = 286477.54 X = 558088.56	709.70	-	-	-	45	-	-	-	-	-	-	-	-	-	-	1.01	1.0	1.1	705.96	705.51	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
600+30, 5.5' LT	712.02	-	-	-	-	278	-	-	-	-	-	-	-	-	-	0.70	1.1	2.3	705.51	703.57	
602+53, 22.5' LT	709.97	-	47	-	-	-	-	-	-	-	-	-	-	-	-	1.01	2.0	2.1	706.25	705.78	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
602+95, 42.0' LT	709.83	-	-	39	-	-	-	-	-	-	-	-	-	-	-	0.41	2.1	2.3	705.78	705.37	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
603+08, 28.5' RT	708.40	-	-	-	-	34	-	-	-	-	-	-	-	-	-	0.68	2.2	2.3	703.82	703.59	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
603+08, 5.5' LT	709.99	-	-	-	-	-	-	342	-	-	-	-	-	-	-	1.76	2.3	3.2	703.77	697.06	
606+50, 14.5' LT	702.15	-	9	-	-	-	-	-	-	-	-	-	-	-	-	7.80	3.0	3.2	698.70	698.00	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
606+13, 14.5' RT	703.25	-	37	-	-	-	-	-	-	-	-	-	-	-	-	2.03	3.1	3.2	699.70	698.95	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
606+50, 14.5' RT	702.70	-	-	20	-	-	-	-	-	-	-	-	-	-	-	3.51	3.2	3.3	698.70	698.00	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
606+50, 5.5' LT	702.47	-	-	-	-	-	-	147	-	-	-	-	-	-	147	4.70	3.3	4.3	697.06	690.15	
607+85, 30.0' LT	697.55	-	-	-	21	-	-	-	-	-	-	-	-	-	-	2.38	4.0	4.3	694.00	693.50	INLET COVER SHALL HAVE NO SLOPE
608+00, 14.5' LT	697.51	-	-	-	9	-	-	-	-	-	-	-	-	-	-	4.79	4.1	4.3	693.50	693.07	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
607+69, 14.5' RT	699.96	-	38	-	-	-	-	-	-	-	-	-	-	-	-	4.92	4.2	4.3	694.50	692.65	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
608+00, 5.5' LT	698.00	-	-	-	-	-	-	147	-	-	-	-	-	-	147	6.16	4.3	5.0	690.15	681.11	
609+50, 16.9' LT	686.36	-	11	-	-	-	-	-	-	-	-	-	-	-	-	2.28	5.0	5.1	681.87	681.61	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
609+50, 5.5' LT	686.91	-	-	-	-	-	-	99	-	-	-	-	-	-	99	10.28	5.1	5.7	681.11	670.91	
610+50, 19.3' LT	676.18	-	14	-	-	-	-	-	-	-	-	-	-	-	-	2.17	5.5	5.7	672.50	672.20	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
610+50, 14.5' RT	676.48	-	20	-	-	-	-	-	-	-	-	-	-	-	-	3.00	5.6	5.7	672.80	672.20	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
610+50, 5.5' LT	676.59	-	-	-	-	-	-	143	-	-	-	-	-	-	143	10.32	5.7	6.2	670.91	656.16	
611+93, 22.5' LT	661.09	-	17	-	-	-	-	-	-	-	-	-	-	-	-	2.83	6.0	6.2	657.73	657.25	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
611+93, 23.5' RT	661.10	-	29	-	-	-	-	-	-	-	-	-	-	-	-	2.00	6.1	6.2	657.83	657.25	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
611+93, 5.5' LT	661.57	-	-	-	-	-	-	34	-	-	-	-	-	-	34	10.50	6.2	7.0	656.16	652.64	DEPTH DOES NOT INCLUDE TEMPORARY INVERT ELEVATION FOR STRUCTURE
612+26, 5.5' LT	658.05	-	-	-	-	-	-	46	-	-	-	-	-	-	46	12.29	7.0	14.0	650.64	645.00	
32+08, 26.5' RT	682.70	-	-	-	-	175	-	-	-	-	-	-	-	-	175	6.52	10.0	11.3	675.00	663.61	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
33+20, 25.0' LT	672.82	-	-	-	53	-	-	-	-	-	-	-	-	-	-	7.21	11.0	11.1	668.02	664.20	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
33+68, 16.5' LT	669.45	-	-	-	-	22	-	-	-	-	-	-	-	-	-	0.41	11.1	11.3	663.70	663.61	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
33+70, 26.5' RT	668.30	-	-	-	-	-	-	21	-	-	-	-	-	-	-	2.25	11.2	11.3	663.59	663.11	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
33+73, 5.5' RT	669.48	-	-	-	-	-	-	-	48	-	-	-	-	-	-	2.04	11.3	12.1	662.61	661.62	
52+71, 16.5' LT	667.02	-	22	-	-	-	-	-	-	-	-	-	-	-	-	1.00	12.0	12.1	663.58	663.36	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
52+71, 5.5' RT	668.05	-	-	-	-	-	-	-	195	-	-	-	-	-	195	7.36	12.1	13.2	661.62	647.24	
50+71, 16.3' LT	653.84	-	-	22	-	-	-	-	-	-	-	-	-	-	-	2.78	13.0	13.2	649.61	648.99	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
50+74, 34.8' RT	652.81	-	29	-	-	-	-	-	-	-	-	-	-	-	-	0.58	13.1	13.2	649.41	649.24	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
50+74, 34.8' RT	652.81	-	-	-	10	-	-	-	-	-	-	-	-	-	-	3.20	13.1	EXISTING MH	649.41	649.73	TEMPORARY PIPE - TO BE REMOVED AFTER USING PIPE FOR TEMPORARY DRAINAGE
50+75, 5.5' RT	654.20	-	-	-	-	-	-	-	68	-	-	-	-	-	68	8.35	13.2	14.0	647.24	641.54	
612+71, 5.5' RT	653.37	-	-	-	-	-	-	-	234	-	-	-	-	-	234	7.10	14.0	15.2	638.00	621.43	
614+89, 33.0' LT	628.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	625.00	-	INFORMATION FOR PIPE IS IN STORM SEWER PLANS AND SEPARATE TABLE
614+89, 22.5' LT	628.69	-	16	-	-	-	-	-	-	-	-	-	-	-	-	13.79	15.0	15.1	623.90	621.75	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
615+04, 22.5' LT	627.14	-	-	28	-	-	-	-	-	-	-	-	-	-	-	0.50	15.1	15.2	621.57	621.43	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
615+04, 5.5' RT	627.81	-	-	-	-	-	-	-	112	-	-	-	-	-	112	6.53	15.2	16.2	621.43	614.13	
616+06, 22.5' LT	620.03	-	10	-	-	-	-	-	-	-	-	-	-	-	-	6.40	16.0	16.1	616.69	616.05	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
616+16, 22.5' LT	619.50	-	-	28	-	-	-	-	-	-	-	-	-	-	-	2.40	16.1	16.2	615.80	615.13	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
616+16, 5.5' RT	619.93	-	-	-	-	-	-	-	54	-	-	-	-	-	54	5.30	16.2	17.4	613.38	610.50	
616+24, 14.5' RT	619.22	-	23	-	-	-	-	-	-	-	-	-	-	-	-	3.94	17.0	17.1	614.64	613.72	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
616+47, 14.5' RT	618.42	-	-	24	-	-	-	-	-	-	-	-	-	-	-	10.97	17.1	17.3	613.47	610.86	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
70+87, 24.9' LT	618.89	-	-	90	-	-	-	-	-	-	-	-	-	-	-	4.40	17.2	17.3	614.80	610.86	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
70+95, 24.9' LT	-	1	8	-	-	-	-	-	-	-	-	-	-	-	-	0.50	EXISTING	17.2	615.23	615.19	FIELD VERIFY INVERTS AND SLOPE
616+70, 14.5' RT	617.96	-	-	-	-	9	-	-	-	-	-	-	-	-	-	4.42	17.3	17.4	610.11	609.71	
616+70, 5.5' RT	617.89	-	-	-	-	-	-	-	159	-	-	-	-	-	159	5.70	17.4	18.2	606.50	597.43	
618+29, 22.5' LT	609.37	-	28	-	-	-	-	-	-	-	-	-	-	-	-	1.43	18.0	18.2	606.21	605.81	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
618+29, 14.5' RT	609.54	-	9	-	-	-	-	-	-	-	-	-	-	-	-	2.23	18.1	18.2	604.64	604.44	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
618+29, 5.5' RT	609.84	-	-	-	-	-	-	-	132	-	-	-	-	-	132	6.02	18.2	19.2	597.43	589.48	
619+61, 22.5' LT	598.98	-	28	-	-	-	-	-	-	-	-	-	-	-	-	3.83	19.0	19.2	595.50	594.43	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
619+61, 14.5' RT	599.35	-	9	-	-	-	-	-	-	-	-	-	-	-	-	16.95	19.1	19.2	593.00	591.48	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
619+61, 5.5' RT	599.68	-	-	-	-	-	-	-	-	246	-	-	-	-	-	2.44	19.2	20.2	587.48	582.97	
90+37, 12.2' RT	588.40	-	33	-	-	-	-	-	-	-	-	-	-	-	-	0.46	20.0	20.1	584.92	584.77	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
SUBTOTAL		1	437	251	138	518	0	979	1002	246	0	0	0	0	1745						

*RIM ELEVATION SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER.

*DEPTH SHOWN IS RIM ELEVATION SUBTRACTED FROM THE INLET ELEVATION.

STORM SEWER PIPES CONT.

LOCATION	RIM ELEVATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0427 27-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	608.0454 54-INCH LF	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 610.0143 43x68-INCH LF	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 610.0414 14x23-INCH LF	610.0424 24x38-INCH LF	SPV.0090.13 JOINT TIES LF	% SLOPE	FROM STRUCTURE	TO STRUCTURE	INLET ELEVATION	DISCHARGE ELEVATION	REMARKS
90+56, 6.1' RT	-	1	-	-	-	-	-	16	-	-	-	-	-	-	-	0.52	EXISTING	21.1	585.13	585.05	FIELD VERIFY INVERTS AND SLOPE
621+89, 22.5' RT	589.28	-	10	-	-	-	-	-	-	-	-	-	-	-	-	2.00	20.1	20.2	585.22	585.02	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
621+99, 22.5' RT	589.10	-	-	19	-	-	-	-	-	-	-	-	-	-	-	2.77	20.1	20.2	584.52	584.00	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
622+08, 5.5' RT	589.43	-	-	-	-	-	-	-	-	16	-	-	-	-	-	2.50	20.2	22.0	582.97	582.56	
622+08, 5.5' RT	589.43	-	-	-	-	-	-	31	-	-	-	-	-	-	-	0.94	20.2	20.4	583.77	583.06	
622+11, 22.5' LT	588.91	-	10	-	-	-	-	-	-	-	-	-	-	-	-	6.00	20.3	20.4	585.16	584.56	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
622+21, 22.5' LT	588.73	-	-	-	-	-	-	18	-	-	-	-	-	-	-	0.96	20.4	20.5	582.90	582.73	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
622+56, 27.1' LT	588.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING	20.5	EXISTING	582.73	EXISTING	
80+27, 7.8' RT	-	1	-	-	-	-	-	25	-	-	-	-	-	-	-	1.99	20.6	EXISTING	582.73	582.23	FIELD VERIFY INVERTS AND SLOPE
90+46, 33.2' LT	588.21	-	-	10	-	-	-	-	-	-	-	-	-	-	-	3.53	20.9	21.0	585.00	584.63	INLET COVER SHALL BE SINGLE SLOPE AT 10 TO 1 SLOPE
90+54, 33.2' LT	-	1	8	-	-	-	-	-	-	-	-	-	-	-	-	0.50	EXISTING	20.9	586.24	586.20	FIELD VERIFY INVERTS AND SLOPE
90+45, 22.8' LT	588.45	-	-	28	-	-	-	-	-	-	-	-	-	-	-	0.49	21.0	21.1	584.63	584.49	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
90+41, 5.2' RT	589.54	-	-	-	-	-	-	37	-	-	-	-	-	-	-	2.46	21.1	22.0	583.48	582.56	
622+24, 5.5' RT	589.15	-	-	-	-	-	-	-	-	-	-	69	-	-	-	0.74	22.0	23.0	582.56	582.05	
622+92, 5.5' LT	588.14	-	-	-	-	-	-	-	-	-	-	133	-	-	-	0.61	23.0	24.2	581.61	580.80	
624+25, 22.5' LT	586.82	-	14	-	-	-	-	-	-	-	-	-	-	-	-	9.95	24.0	24.2	583.30	581.91	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
624+25, 22.5' RT	586.73	-	31	-	-	-	-	-	-	-	-	-	-	-	-	4.49	24.1	24.2	583.30	581.91	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
624+25, 8.5' LT	587.37	-	-	-	-	-	-	-	-	-	-	147	-	-	-	0.61	24.2	25.2	580.80	579.90	
625+72, 22.5' LT	586.35	-	-	14	-	-	-	-	-	-	-	-	-	-	-	10.67	25.0	25.2	582.72	581.23	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
625+72, 22.5' RT	586.26	-	-	31	-	-	-	-	-	-	-	-	-	-	-	4.81	25.1	25.2	582.72	581.23	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
625+72, 8.5' LT	586.79	-	-	-	-	-	-	-	-	-	-	51	-	-	-	0.63	25.2	32.0	579.90	579.58	
630+67, 22.5' LT	584.66	-	40	-	-	-	-	-	-	-	-	-	-	-	-	1.00	30.0	30.1	581.42	581.02	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
630+28, 22.5' LT	584.66	-	-	-	14	-	-	-	-	-	-	-	-	-	-	0.64	30.1	30.4	580.52	580.43	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
630+67, 22.5' RT	584.60	-	40	-	-	-	-	-	-	-	-	-	-	-	-	0.38	30.2	30.3	581.45	581.30	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
630+27, 22.5' RT	584.55	-	-	-	-	-	-	-	-	-	-	-	31	-	-	0.32	30.3	30.4	581.00	580.90	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
630+28, 8.5' LT	585.08	-	-	-	-	-	-	-	-	-	-	-	-	103	-	0.21	30.4	31.2	580.43	580.21	
629+25, 22.5' LT	584.95	-	14	-	-	-	-	-	-	-	-	-	-	-	-	2.00	31.0	31.2	581.06	580.78	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
629+25, 22.5' RT	584.95	-	31	-	-	-	-	-	-	-	-	-	-	-	-	2.00	31.1	31.2	581.40	580.78	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
629+25, 8.5' LT	585.37	-	-	-	-	-	-	-	-	-	-	-	-	302	-	0.21	31.2	32.0	580.21	580.45	
626+23, 8.5' LT	586.58	-	-	-	-	-	-	-	-	-	-	30	-	-	-	0.13	32.0	33.0	579.58	579.54	
626+31, 37.4' LT	587.00	-	-	-	-	-	-	-	-	-	49	-	-	-	-	0.28	33.0	EXISTING	579.54	579.40	
626+15, 47.2' LT	587.00	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
635+70, 22.5' RT	585.23	-	19	-	-	-	-	-	-	-	-	-	-	-	-	0.53	40.0	40.1	582.17	582.07	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
635+88, 22.5' RT	585.19	-	28	-	-	-	-	-	-	-	-	-	-	-	-	0.57	40.1	40.4	582.07	581.91	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
635+70, 22.5' LT	585.10	-	18	-	-	-	-	-	-	-	-	-	-	-	-	0.29	40.2	40.3	582.02	581.97	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
635+88, 22.5' LT	585.08	-	17	-	-	-	-	-	-	-	-	-	-	-	-	0.35	40.3	40.4	581.97	581.91	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
635+88, 5.5' LT	585.78	-	-	-	-	-	-	-	-	-	-	-	77	-	-	0.40	40.4	42.0	581.91	581.60	
101+45, 17.9' LT	-	1	-	-	-	105	-	-	-	-	-	-	-	-	-	0.23	41.0	42.0	581.95	581.71	
636+62, 39.3' RT	585.21	-	-	-	-	45	-	-	-	-	-	-	-	-	-	0.24	42.0	43.0	581.71	581.60	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
636+67, 5.5' LT	585.99	-	-	-	-	-	-	-	-	-	-	-	-	54	-	0.17	43.0	44.2	581.60	581.51	
637+21, 22.5' LT	585.79	-	17	-	-	-	-	-	-	-	-	-	-	-	-	0.65	44.0	44.2	582.45	582.34	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
637+21, 22.5' RT	585.79	-	28	-	-	-	-	-	-	-	-	-	-	-	-	0.50	44.1	44.2	582.48	582.34	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
637+21, 5.5' LT	586.26	-	-	-	-	-	173	-	-	-	-	-	-	-	-	0.28	44.2	V4	581.51	581.03	
630+74, 30.5' RT	-	1	-	-	-	48	-	-	-	-	-	-	-	-	-	0.97	60.0	60.1	581.18	580.72	
630+77, 17.0' LT	584.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.1	EXISTING	580.72	EXISTING	
639+65, 22.5' LT	587.01	-	17	-	-	-	-	-	-	-	-	-	-	-	-	5.66	70.0	V3	583.46	582.50	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
639+65, 22.5' RT	586.90	-	-	28	-	-	-	-	-	-	-	-	-	-	-	2.50	70.1	V3	583.20	582.50	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
639+05, 48.4' LT	586.80	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
41+30, 12.9' LT	647.38	-	-	30	-	-	-	-	-	-	-	-	-	-	-	3.76	80.0	80.1	643.46	642.35	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
41+15, 12.5' RT	645.95	-	-	29	-	-	-	-	-	-	-	-	-	-	-	0.52	80.1	EXISTING	642.35	642.20	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
EX STM MH 126	-	-	-	31	-	-	-	-	-	-	-	-	-	-	-	0.25	EX STM MH 126	ST CATCH BASIN 1	582.84	582.76	MILL ROAD PARKING LOT
ST CATCH BASIN 1	588.00	-	160	-	-	-	-	-	-	-	-	-	-	-	-	0.25	ST CATCH BASIN 1	ST CATCH BASIN 2	583.24	582.84	MILL ROAD PARKING LOT
ST CATCH BASIN 2	587.00	-	15	-	-	-	-	-	-	-	-	-	-	-	-	0.25	ST CATCH BASIN 2	FUTURE CATCH BASIN	583.28	583.24	MILL ROAD PARKING LOT
SUBTOTAL		5	517	220	45	198	173	127	0	16	49	430	108	459	0						
PROJECT TOTAL		6	954	471	183	716	173	1106	1002	262	49	430	108	459	1745						

*RIM ELEVATION SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER.

*DEPTH SHOWN IS RIM ELEVATION SUBTRACTED FROM THE INLET ELEVATION.

STORM SEWER STRUCTURE COVERS / GRATES

STRUCTURE NUMBER	LOCATION	RIM ELEVATION	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0609 INLET COVERS TYPE B-A EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0654 INLET COVERS TYPE V EACH	REMARKS
1.0	Y = 286477.54 X = 558088.56	709.70	-	-	1	-	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
1.1	600+30, 5.5' LT	712.02	1	-	-	-	-	-	-	
2.0	602+53, 22.5' LT	709.97	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
2.1	602+95, 42.0' LT	709.83	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
2.2	603+08, 28.5' RT	708.40	-	-	1	-	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
2.3	603+08, 5.5' LT	709.99	1	-	-	-	-	-	-	
3.0	606+50, 14.5' LT	702.15	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
3.1	606+13, 14.5' RT	703.25	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
3.2	606+50, 14.5' RT	702.70	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
3.3	606+50, 5.5' LT	702.47	1	-	-	-	-	-	-	
4.0	607+85, 30.0' LT	697.55	-	-	-	-	-	1	-	INLET COVER SHALL HAVE NO SLOPE
4.1	608+00, 14.5' LT	697.51	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
4.2	607+69, 14.5' RT	699.96	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
4.3	608+00, 5.5' LT	698.00	1	-	-	-	-	-	-	
5.0	609+50, 16.9' LT	686.36	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
5.1	609+50, 5.5' LT	686.91	1	-	-	-	-	-	-	
5.5	610+50, 19.3' LT	676.18	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
5.6	610+50, 14.5' RT	676.48	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
5.7	610+50, 5.5' LT	676.59	1	-	-	-	-	-	-	
6.0	611+93, 22.5' LT	661.09	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
6.1	611+93, 23.5' RT	661.10	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
6.2	611+93, 5.5' LT	661.57	1	-	-	-	-	-	-	DEPTH DOES NOT INCLUDE TEMPORARY INVERT ELEVATION FOR STRUCTURE
7.0	612+26, 5.5' LT	658.05	1	-	-	-	-	-	-	
10.0	32+08, 26.5' RT	682.70	-	-	1	-	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
11.0	33+20, 25.0' LT	672.82	-	-	1	-	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
11.1	33+68, 16.5 LT	669.45	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
11.2	33+70, 26.5' RT	668.30	-	-	1	-	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
11.3	33+73, 5.5' RT	669.48	1	-	-	-	-	-	-	
12.0	52+71, 16.5' LT	667.02	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
12.1	52+71, 5.5' RT	668.05	1	-	-	-	-	-	-	
13.0	50+71, 16.3' LT	653.84	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
13.1	50+74, 34.8' RT	652.81	-	-	-	-	1	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
13.1	50+74, 34.8' RT	652.81	-	-	-	-	-	-	-	TEMPORARY PIPE - TO BE REMOVED AFTER USING PIPE FOR TEMPORARY DRAINAGE
13.2	50+75, 5.5' RT	654.20	1	-	-	-	-	-	-	
14.0	612+71, 5.5' RT	653.37	1	-	-	-	-	-	-	
14.9	614+89, 33.0' LT	628.50	-	1	-	-	-	-	-	INFORMATION FOR PIPE IS IN STORM SEWER PLANS AND SEPARATE TABLE
15.0	614+89, 22.5' LT	628.69	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
15.1	615+04, 22.5' LT	627.14	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
15.2	615+04, 5.5' RT	627.81	1	-	-	-	-	-	-	
16.0	616+06, 22.5' LT	620.03	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
16.1	616+16, 22.5' LT	619.50	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
16.2	616+16, 5.5' RT	619.93	1	-	-	-	-	-	-	
17.0	616+24, 14.5' RT	619.22	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
17.1	616+47, 14.5' RT	618.42	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
17.2	70+87, 24.9' LT	618.89	-	-	-	-	-	-	1	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
EXISTING 12" RCCP	70+95, 24.9' LT	-	-	-	-	-	-	-	-	FIELD VERIFY INVERTS AND SLOPE
17.3	616+70, 14.5' RT	617.96	1	-	-	-	-	-	-	
17.4	616+70, 5.5' RT	617.89	1	-	-	-	-	-	-	
18.0	618+29, 22.5' LT	609.37	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
18.1	618+29, 14.5' RT	609.54	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
18.2	618+29, 5.5' RT	609.84	1	-	-	-	-	-	-	
19.0	619+61, 22.5' LT	598.98	-	-	-	-	-	-	1	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
19.1	619+61, 14.5' RT	599.35	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
19.2	619+61, 5.5' RT	599.68	1	-	-	-	-	-	-	
20.0	90+37, 12.2' RT	588.40	-	-	-	-	1	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
	SUBTOTAL		18	1	5	24	2	1	2	

*RIM ELEVATION SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER.

*DEPTH SHOWN IS RIM ELEVATION SUBTRACTED FROM THE INLET ELEVATION.

STORM SEWER STRUCTURE COVERS / GRATES CONT.

STRUCTURE NUMBER	LOCATION	RIM ELEVATION	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0609 INLET COVERS TYPE B-A EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0654 INLET COVERS TYPE V EACH	REMARKS
EXISTING 30" RCCP	90+56, 6.1' RT	-	-	-	-	-	-	-	-	FIELD VERIFY INVERTS AND SLOPE
20.1	621+89, 22.5' RT	589.28	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
20.2	621+99, 22.5' RT	589.10	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
20.3	622+08, 5.5' RT	589.43	1	-	-	-	-	-	-	
20.3	622+08, 5.5' RT	589.43	-	-	-	-	-	-	-	
20.4	622+11, 22.5' LT	588.91	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
20.5	622+21, 22.5' LT	588.73	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
20.6	622+56, 27.1' LT	588.26	1	-	-	-	-	-	-	
EXISTING 30" RCCP	80+27, 7.8' RT	-	-	-	-	-	-	-	-	FIELD VERIFY INVERTS AND SLOPE
20.9	90+46, 33.2' LT	588.21	-	-	-	-	-	1	-	INLET COVER SHALL BE SINGLE SLOPE AT 10 TO 1 SLOPE
EXISTING 12" PVC PIPE	90+54, 33.2' LT	-	-	-	-	-	-	-	-	FIELD VERIFY INVERTS AND SLOPE
21.0	90+45, 22.8' LT	588.45	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
21.1	90+41, 5.2' RT	589.54	1	-	-	-	-	-	-	
22.0	622+24, 5.5' RT	589.15	1	-	-	-	-	-	-	
23.0	622+92, 5.5' LT	588.14	1	-	-	-	-	-	-	
24.0	624+25, 22.5' LT	586.82	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
24.1	624+25, 22.5' RT	586.73	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
24.2	624+25, 8.5' LT	587.37	1	-	-	-	-	-	-	
25.0	625+72, 22.5' LT	586.35	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
25.1	625+72, 22.5' RT	586.26	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
25.2	625+72, 8.5' LT	586.79	1	-	-	-	-	-	-	
30.0	630+67, 22.5' LT	584.66	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
30.1	630+28, 22.5' LT	584.66	-	-	-	-	1	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
30.2	630+67, 22.5' RT	584.60	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
30.3	630+27, 22.5' RT	584.55	-	-	-	-	1	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
30.4	630+28, 8.5' LT	585.08	1	-	-	-	-	-	-	
31.0	629+25, 22.5' LT	584.95	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
31.1	629+25, 22.5' RT	584.95	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
31.2	629+25, 8.5' LT	585.37	1	-	-	-	-	-	-	
32.0	626+23, 8.5' LT	586.58	1	-	-	-	-	-	-	
33.0	626+31, 37.4' LT	587.00	2	-	-	-	-	-	-	
S.W.T.D.	626+17, 47.2' LT	587.00	-	-	-	-	-	-	-	
40.0	635+70, 22.5' RT	585.23	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
40.1	635+88, 22.5' RT	585.19	-	-	-	-	1	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
40.2	635+70, 22.5' LT	585.10	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
40.3	635+88, 22.5' LT	585.08	-	-	-	-	1	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
40.4	635+88, 5.5' LT	585.78	1	-	-	-	-	-	-	
41.0	101+45, 17.9' LT	-	-	-	-	-	-	-	-	
42.0	636+62, 39.3' RT	585.21	-	-	-	-	-	-	1	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
43.0	636+67, 5.5' LT	585.99	1	-	-	-	-	-	-	
44.0	637+21, 22.5' LT	585.79	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
44.1	637+21, 22.5' RT	585.79	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
44.2	637+21, 5.5' LT	586.26	1	-	-	-	-	-	-	
60.0	630+74, 30.5' RT	-	-	-	-	-	-	-	-	
60.1	630+77, 17.0' LT	584.95	1	-	-	-	-	-	-	
70.0	639+65, 22.5' LT	587.01	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
70.1	639+65, 22.5' RT	586.90	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
S.W.T.D.	639+05, 48.4' LT	586.80	-	-	-	-	-	-	-	
80.0	41+30, 12.9' LT	647.38	-	1	-	-	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
80.1	41+15, 12.5' RT	645.95	-	-	-	1	-	-	-	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
ST CATCH BASIN 1	NE CORNER	588.00	-	-	-	1	-	-	-	MILL ROAD PARKING LOT
ST CATCH BASIN 2	NW CORNER	587.00	-	-	-	1	-	-	-	MILL ROAD PARKING LOT
	SUBTOTAL		16	1	0	22	4	1	1	
	PROJECT TOTAL		34	2	5	46	6	2	3	

*RIM ELEVATION SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER.

*DEPTH SHOWN IS RIM ELEVATION SUBTRACTED FROM THE INLET ELEVATION.

STORM SEWER STRUCTURES

STRUCTURE NUMBER	LOCATION	RIM ELEVATION	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.1230 CATCH BASINS 2x3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.3220 INLETS 2x2-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.12 MANHOLES 10-FT DIAMETER EACH	DEPTH IN FEET	REMARKS
1.0	Y = 286477.54 X = 558088.56	709.70	1	-	-	-	-	-	-	-	-	-	-	3.74	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
1.1	600+30, 5.5' LT	712.02	-	-	-	-	1	-	-	-	-	-	-	6.51	
2.0	602+53, 22.5' LT	709.97	1	-	-	-	-	-	-	-	-	-	-	3.72	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
2.1	602+95, 42.0' LT	709.83	1	-	-	-	-	-	-	-	-	-	-	4.05	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
2.2	603+08, 28.5' RT	708.40	1	-	-	-	-	-	-	-	-	-	-	4.58	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
2.3	603+08, 5.5' LT	709.99	-	-	-	-	-	-	1	-	-	-	-	6.22	
3.0	606+50, 14.5' LT	702.15	-	-	-	1	-	-	-	-	-	-	-	3.45	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
3.1	606+13, 14.5' RT	703.25	-	-	-	1	-	-	-	-	-	-	-	3.55	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
3.2	606+50, 14.5' RT	702.70	-	-	-	1	-	-	-	-	-	-	-	4.00	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
3.3	606+50, 5.5' LT	702.47	-	-	-	-	-	1	-	-	-	-	-	5.41	
4.0	607+85, 30.0' LT	697.55	-	-	-	-	-	-	-	-	-	1	-	3.55	INLET COVER SHALL HAVE NO SLOPE
4.1	608+00, 14.5' LT	697.51	1	-	-	-	-	-	-	-	-	-	-	4.01	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
4.2	607+69, 14.5' RT	699.96	1	-	-	-	-	-	-	-	-	-	-	5.46	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
4.3	608+00, 5.5' LT	698.00	-	-	-	-	-	-	1	-	-	-	-	7.85	
5.0	609+50, 16.9' LT	686.36	-	-	-	1	-	-	-	-	-	-	-	4.49	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
5.1	609+50, 5.5' LT	686.91	-	-	-	-	-	-	1	-	-	-	-	5.80	
5.5	610+50, 19.3' LT	676.18	-	-	-	1	-	-	-	-	-	-	-	3.68	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
5.6	610+50, 14.5' RT	676.48	-	-	-	1	-	-	-	-	-	-	-	3.68	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
5.7	610+50, 5.5' LT	676.59	-	-	-	-	-	1	-	-	-	-	-	5.68	
6.0	611+93, 22.5' LT	661.09	-	-	-	1	-	-	-	-	-	-	-	3.36	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
6.1	611+93, 23.5' RT	661.10	-	-	-	1	-	-	-	-	-	-	-	3.27	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
6.2	611+93, 5.5' LT	661.57	-	-	-	-	-	1	-	-	-	-	-	5.41	DEPTH DOES NOT INCLUDE TEMPORARY INVERT ELEVATION FOR STRUCTURE
7.0	612+26, 5.5' LT	658.05	-	-	-	-	-	1	-	-	-	-	-	7.41	
10.0	32+08, 26.5' RT	682.70	1	-	-	-	-	-	-	-	-	-	-	7.70	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
11.0	33+20, 25.0' LT	672.82	1	-	-	-	-	-	-	-	-	-	-	4.34	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
11.1	33+68, 16.5' LT	669.45	-	1	-	-	-	-	-	-	-	-	-	3.91	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
11.2	33+70, 26.5' RT	668.30	-	1	-	-	-	-	-	-	-	-	-	4.71	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
11.3	33+73, 5.5' RT	669.48	-	-	-	-	-	-	1	-	-	-	-	6.87	
12.0	52+71, 16.5' LT	667.02	-	-	-	1	-	-	-	-	-	-	-	3.44	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
12.1	52+71, 5.5' RT	668.05	-	-	-	-	-	-	1	-	-	-	-	6.43	
13.0	50+71, 16.3' LT	653.84	-	-	-	1	-	-	-	-	-	-	-	4.23	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
13.1	50+74, 34.8' RT	652.81	1	-	-	-	-	-	-	-	-	-	-	3.40	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
13.1	50+74, 34.8' RT	652.81	-	-	-	-	-	-	-	-	-	-	-	3.40	TEMPORARY PIPE - TO BE REMOVED AFTER USING PIPE FOR TEMPORARY DRAINAGE
13.2	50+75, 5.5' RT	654.20	-	-	-	-	-	-	-	1	-	-	-	6.96	
14.0	612+71, 5.5' RT	653.37	-	-	-	-	-	-	-	1	-	-	-	15.37	
14.9	614+89, 33.0' LT	628.50	-	-	-	-	-	-	-	-	1	-	-	3.50	INFORMATION FOR PIPE IS IN STORM SEWER PLANS AND SEPARATE TABLE
15.0	614+89, 22.5' LT	628.69	-	-	-	1	-	-	-	-	-	-	-	4.79	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
15.1	615+04, 22.5' LT	627.14	-	-	-	1	-	-	-	-	-	-	-	5.57	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
15.2	615+04, 5.5' RT	627.81	-	-	-	-	-	1	-	-	-	-	-	6.38	
16.0	616+06, 22.5' LT	620.03	-	-	-	1	-	-	-	-	-	-	-	3.34	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
16.1	616+16, 22.5' LT	619.50	-	-	-	1	-	-	-	-	-	-	-	3.70	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
16.2	616+16, 5.5' RT	619.93	-	-	-	-	-	-	1	-	-	-	-	6.55	
17.0	616+24, 14.5' RT	619.22	-	-	-	1	-	-	-	-	-	-	-	4.58	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
17.1	616+47, 14.5' RT	618.42	1	-	-	-	-	-	-	-	-	-	-	4.95	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
17.2	70+87, 24.9' LT	618.89	1	-	-	-	-	-	-	-	-	-	-	4.09	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
EXISTING 12" RCCP	70+95, 24.9' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	FIELD VERIFY INVERTS AND SLOPE
17.3	616+70, 14.5' RT	617.96	-	-	-	-	-	1	-	-	-	-	-	7.85	
17.4	616+70, 5.5' RT	617.89	-	-	-	-	-	-	1	-	-	-	-	11.39	
18.0	618+29, 22.5' LT	609.37	-	-	-	1	-	-	-	-	-	-	-	3.16	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
18.1	618+29, 14.5' RT	609.54	-	-	-	1	-	-	-	-	-	-	-	4.90	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
18.2	618+29, 5.5' RT	609.84	-	-	-	-	-	-	1	-	-	-	-	12.41	
19.0	619+61, 22.5' LT	598.98	1	-	-	-	-	-	-	-	-	-	-	3.48	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
19.1	619+61, 14.5' RT	599.35	-	-	-	1	-	-	-	-	-	-	-	6.35	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
19.2	619+61, 5.5' RT	599.68	-	-	-	-	-	-	1	-	-	-	-	12.20	
20.0	90+37, 12.2' RT	588.40	1	-	-	-	-	-	-	-	-	-	-	3.48	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
	SUBTOTAL		13	2	0	18	1	6	9	2	1	1	0		

*RIM ELEVATION SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER.

*DEPTH SHOWN IS RIM ELEVATION SUBTRACTED FROM THE INLET ELEVATION.

STORM SEWER STRUCTURES CONT.

STRUCTURE NUMBER	LOCATION	RIM ELEVATION	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.1230 CATCH BASINS 2x3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.3220 INLETS 2x2-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.12 MANHOLES 10-FT DIAMETER EACH	DEPTH IN FEET	REMARKS
EXISTING 30" RCCP	90+56, 6.1' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	FIELD VERIFY INVERTS AND SLOPE
20.1	621+89, 22.5' RT	589.28	-	-	-	1	-	-	-	-	-	-	-	4.06	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
20.2	621+99, 22.5' RT	589.10	1	-	-	-	-	-	-	-	-	-	-	4.58	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
20.3	622+08, 5.5' RT	589.43	-	-	-	-	-	-	-	-	-	-	1	6.46	
20.3	622+08, 5.5' RT	589.43	-	-	-	-	-	-	-	-	-	-	-	5.66	
20.4	622+11, 22.5' LT	588.91	-	-	-	1	-	-	-	-	-	-	-	3.75	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
20.5	622+21, 22.5' LT	588.73	-	-	1	-	-	-	-	-	-	-	-	5.83	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
20.6	622+56, 27.1' LT	588.26	-	-	-	-	-	1	-	-	-	-	-	5.53	
EXISTING 30" RCCP	80+27, 7.8' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	FIELD VERIFY INVERTS AND SLOPE
20.9	90+46, 33.2' LT	588.21	-	-	-	-	-	-	-	-	-	1	-	3.21	INLET COVER SHALL BE SINGLE SLOPE AT 10 TO 1 SLOPE
EXISTING 12" PVC PIPE	90+54, 33.2' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	FIELD VERIFY INVERTS AND SLOPE
21.0	90+45, 22.8' LT	588.45	-	-	-	1	-	-	-	-	-	-	-	3.82	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
21.1	90+41, 5.2' RT	589.54	-	-	-	-	-	1	-	-	-	-	-	6.06	
22.0	622+24, 5.5' RT	589.15	-	-	-	-	-	-	-	-	-	-	1	6.59	
23.0	622+92, 5.5' LT	588.14	-	-	-	-	-	-	-	-	-	-	1	6.53	
24.0	624+25, 22.5' LT	586.82	-	-	-	1	-	-	-	-	-	-	-	3.52	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
24.1	624+25, 22.5' RT	586.73	-	-	-	1	-	-	-	-	-	-	-	3.43	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
24.2	624+25, 8.5' LT	587.37	-	-	-	-	-	-	-	-	-	-	1	6.57	
25.0	625+72, 22.5' LT	586.35	-	-	-	1	-	-	-	-	-	-	-	3.63	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
25.1	625+72, 22.5' RT	586.26	-	-	-	1	-	-	-	-	-	-	-	3.54	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
25.2	625+72, 8.5' LT	586.79	-	-	-	-	-	-	-	-	-	-	1	6.89	
30.0	630+67, 22.5' LT	584.66	-	-	-	1	-	-	-	-	-	-	-	3.24	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
30.1	630+28, 22.5' LT	584.66	-	-	-	1	-	-	-	-	-	-	-	4.14	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
30.2	630+67, 22.5' RT	584.60	-	-	-	1	-	-	-	-	-	-	-	3.15	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
30.3	630+27, 22.5' RT	584.55	-	-	-	1	-	-	-	-	-	-	-	3.55	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
30.4	630+28, 8.5' LT	585.08	-	-	-	-	-	-	1	-	-	-	-	4.65	
31.0	629+25, 22.5' LT	584.95	-	-	-	1	-	-	-	-	-	-	-	3.89	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
31.1	629+25, 22.5' RT	584.95	-	-	-	1	-	-	-	-	-	-	-	3.55	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
31.2	629+25, 8.5' LT	585.37	-	-	-	-	-	-	1	-	-	-	-	5.16	
32.0	626+23, 8.5' LT	586.58	-	-	-	-	-	-	-	-	-	-	1	7.00	
33.0	626+31, 37.4' LT	587.00	-	-	-	-	-	-	-	-	-	-	1	7.46	
S.W.T.D.	626+17, 47.2' LT	587.00	-	-	-	-	-	-	-	-	-	-	-	-	
40.0	635+70, 22.5' RT	585.23	-	-	-	1	-	-	-	-	-	-	-	3.06	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
40.1	635+88, 22.5' RT	585.19	-	-	-	1	-	-	-	-	-	-	-	3.12	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
40.2	635+70, 22.5' LT	585.10	-	-	-	1	-	-	-	-	-	-	-	3.08	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
40.3	635+88, 22.5' LT	585.08	-	-	-	1	-	-	-	-	-	-	-	3.11	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
40.4	635+88, 5.5' LT	585.78	-	-	-	-	-	1	-	-	-	-	-	3.87	
41.0	101+45, 17.9' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	
42.0	636+62, 39.3' RT	585.21	1	-	-	-	-	-	-	-	-	-	-	3.50	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
43.0	636+67, 5.5' LT	585.99	-	-	-	-	-	-	1	-	-	-	-	4.39	
44.0	637+21, 22.5' LT	585.79	-	-	-	1	-	-	-	-	-	-	-	3.34	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
44.1	637+21, 22.5' RT	585.79	-	-	-	1	-	-	-	-	-	-	-	3.31	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
44.2	637+21, 5.5' LT	586.26	-	-	-	-	-	1	-	-	-	-	-	4.75	
60.0	630+74, 30.5' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	
60.1	630+77, 17.0' LT	584.95	-	-	-	-	-	1	-	-	-	-	-	4.23	
70.0	639+65, 22.5' LT	587.01	-	-	-	1	-	-	-	-	-	-	-	3.55	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
70.1	639+65, 22.5' RT	586.90	-	-	-	1	-	-	-	-	-	-	-	3.70	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
S.W.T.D.	639+05, 48.4' LT	586.80	-	-	-	-	-	-	-	-	-	-	-	-	
80.0	41+30, 12.9' LT	647.38	1	-	-	-	-	-	-	-	-	-	-	3.92	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
80.1	41+15, 12.5' RT	645.95	1	-	-	-	-	-	-	-	-	-	-	3.60	DEPTH DOES NOT INCLUDE 2 FEET DEEP SUMP
ST CATCH BASIN 1	NE CORNER	588.00	-	-	-	1	-	-	-	-	-	-	-	4.33	MILL ROAD PARKING LOT
ST CATCH BASIN 2	NW CORNER	587.00	-	-	-	1	-	-	-	-	-	-	-	2.93	MILL ROAD PARKING LOT
	SUBTOTAL		4	0	1	23	0	5	3	0	0	1	7		
	PROJECT TOTAL		17	2	1	41	1	11	12	2	1	2	7		

*RIM ELEVATION SHOWN FOR MANHOLES ARE AT RIM OF MANHOLE COVER AND FOR CATCH BASINS ARE AT FLOWLINE OF CURB AND GUTTER.

*DEPTH SHOWN IS RIM ELEVATION SUBTRACTED FROM THE INLET ELEVATION.

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3

OTHER STORM SEWER ITEMS

LOCATION	STORM SEWER PIPE COMPOSITE * 607.0406 6-INCH LF	* 607.0408 8-INCH LF	* 607.0410 10-INCH LF	* 607.0412 12-INCH LF	SPV.0060.08 STORMWATER TREATMENT DEVICE EACH	SPV.0060.09 STIORM SEWER TEE 54-INCH x 18-INCH EACH	SPV.0060.10 STORM SEWER TAP EACH	SPV.0060.11 STORM SEWER PLUG EACH	SPV.0060.14 CONCRETE 30X24-INCH TRANSITION EACH	SPV.0165.01 CONCRETE WEIR INSIDE MANHOLE SF	FROM STRUCTURE	TO STRUCTURE	INVERT ELEVATION	REMARKS
50+73, 45.3 RT	---	---	---	---	---	---	1	---	---	---	---	EXISTING MH	---	TEMPORARY CONNECTION
612+26, 5.5 LT	---	---	---	---	---	---	---	1	---	---	7.0	---	---	
50+75, 5.5 RT	---	---	---	---	---	---	---	1	---	---	13.2	---	---	
614+89, 33.0 LT	---	---	---	11	---	---	---	---	---	---	---	15.0	625.00	
614+98, 38.0 LT	---	---	17	---	---	---	---	---	---	---	---	15.1	622.90	
617+55, 29.7 RT	13	---	---	---	---	---	---	---	---	---	---	---	---	
619+43, 35.1 LT	---	34	---	---	---	---	---	---	---	---	---	19.0	596.05	
621+99, 29 RT	---	13	---	---	---	---	---	---	---	---	---	20.1	585.23	
626+34, 49.2 LT	---	---	---	---	---	1	---	---	---	---	---	---	587.00	
626+17, 47.2 LT	---	---	---	---	1	---	---	---	---	---	---	---	---	
626+31, 37.4 LT	---	---	---	---	---	---	---	---	---	38	33.0	---	---	
626+50 LT	---	---	---	---	---	---	1	---	---	---	---	EXISTING MH	---	FIELD VERIFY LOCATION OF MANHOLE
630+74, 30.5 RT	---	---	---	---	---	---	---	---	1	---	---	---	---	
638+94, 5.5 LT	---	---	---	---	---	---	1	---	---	---	---	V4	---	
639+05, 48.4 LT	---	---	---	---	1	---	---	---	---	---	---	---	---	
639+65, 5.5 LT	---	---	---	---	---	---	2	---	---	---	---	V3	---	
TOTAL	13	47	17	11	2	1	5	2	1	38				

ADJUSTING STORM SEWER

LOCATION	611.8110 ADJUSTING MANHOLE COVER EACH	611.8120.S TEMPORARY COVER PLATE EACH	REMARKS
638+98, 5.5 LT	1	1	
639+65, 5.5 LT	1	1	
640+07, 5.5 LT	1	1	
110+40, 18.2 LT	1	1	
TOTAL	4	4	

FENCE SAFETY

STATION	TO	STATION	LOCATION	616.0700.S LF	REMARKS
609+50	-	611+50	STH 42 RT	200	ROCK CUT
617+65	-	618+25	STH 42 LT	60	
626+14	-	626+47	STH 42 LT	160	
628+20	-	628+75	STH 42 RT	55	
628+87	-	629+32	STH 42 RT	45	
638+77	-	639+35	STH 42 LT	155	
UNDISTRIBUTED			STH 42	3700	TRENCHES
			TOTAL	4375	

MOBILIZATION

ITEM 619.1000	EACH
MOILIZATION	1

DRAIN SLOTTED VANE

STATION	LOCATION	611.9900.S EACH	REMARKS
50+81	STH 57	1	45 LF
	TOTAL	1	

* CATEGORY 0020 ITEM

RECONNECTING EXISTING STORM SEWER LATERAL

STATION	LOCATION	SPV.0060.17 EACH	REMARKS
616+16	STH 42 LT	1	
618+29	STH 42 RT	1	
619+61	STH 42 RT	1	
	TOTAL	3	

MAINTENANCE AND REPAIR OF HAUL ROADS (4610-06-71)

ITEM 618.0100	EACH	REMARKS
MAINTENANCE AND REPAIR OF HAUL ROADS	1	

REMOVING LANDSCAPING ITEMS FROM PARCEL 37

ITEM SPV.0105.02	LS
REMOVING LANDSCAPING ITEMS FROM PARCEL 37	1

PIPE UNDERDRAIN SUMMARY

STATION	TO	STATION	LOCATION	612.0106 6-INCH LF	612.0404 WRAPPED 4-INCH LF	REMARKS
607+00	-	607+15	RT	20	---	
607+00	-	607+15	LT	21	---	
607+15	-	STR 4.2	RT MAIN	57	---	
607+15	-	STR 4.1	LT MAIN	81	---	
607+50	-	607+65	RT	20	---	
607+50	-	607+65	LT	21	---	
608+09	-	608+25	RT	21	---	
608+09	-	608+25	LT	22	---	
608+25	-	STR 5.6	RT MAIN	234	---	
608+25	-	STR 5.0	LT MAIN	119	---	
608+50	-	608+66	RT	23	---	
608+50	-	608+66	LT	21	---	
609+00	-	609+17	RT	25	---	
609+00	-	609+17	LT	23	---	
609+50	-	609+65	RT	23	---	
609+50	-	609+69	LT	25	---	
609+69	-	STR 5.5	LT MAIN	80	---	
610+00	-	610+15	RT	21	---	
610+00	-	610+19	LT	26	---	
610+50	-	610+65	RT	21	---	
610+50	-	610+70	LT	28	---	
610+65	-	STR 6.1	RT MAIN	129	---	
610+70	-	STR 6.0	LT MAIN	123	---	
611+00	-	611+19	RT	27	---	
611+00	-	611+21	LT	30	---	
611+50	-	611+75	RT	33	---	
611+50	-	611+72	LT	32	---	
613+00	-	613+32	RT	31	---	
613+00	-	613+32	LT	32	---	
613+32	-	STR 17.0	RT MAIN	292	---	
613+32	-	STR 15.0	LT MAIN	156	---	
613+50	-	613+69	RT	27	---	
613+50	-	613+73	LT	32	---	
614+00	-	614+16	RT	22	---	
614+00	-	614+23	LT	32	---	
614+50	-	614+65	RT	21	---	
614+50	-	614+73	LT	32	---	
614+75	-	616+22	RT	---	155	For SPV.1065.05
615+00	-	615+15	RT	21	---	
615+00	-	615+23	LT	32	---	
			TOTAL	2036	155	

PIPE UNDERDRAIN SUMMARY CONT.

STATION	TO	STATION	LOCATION	612.0106 6-INCH LF	612.0404 WRAPPED 4-INCH LF	REMARKS
615+23	-	STR 16.0	LT MAIN	83	---	
615+50	-	615+65	RT	21	---	
615+50	-	615+73	LT	32	---	
616+00	-	616+15	RT	21	---	
616+00	-	616+00	LT	23	---	
616+30	-	STR 17.1	RT	20	---	
616+72	-	STR 17.3	RT	35	---	
617+25	-	614+40	RT	21	---	
617+25	-	617+48	LT	32	---	
617+40	-	STR 18.1	RT MAIN	90	---	
617+48	-	STR 18.0	LT MAIN	82	---	
617+50	-	617+65	RT	21	---	
617+50	-	617+73	LT	32	---	
618+00	-	618+15	RT	21	---	
618+00	-	618+23	LT	32	---	
618+50	-	618+65	RT	21	---	
618+50	-	618+73	LT	32	---	
618+65	-	STR 19.1	RT MAIN	97	---	
618+73	-	STR 19.0	LT MAIN	88	---	
619+00	-	619+15	RT	21	---	
619+00	-	619+23	LT	32	---	
619+35	-	619+49	RT	20	---	
619+35	-	619+59	LT	33	---	
620+00	-	620+23	RT	32	---	
620+00	-	620+23	LT	32	---	
620+23	-	STR 20.1	RT MAIN	166	---	
620+23	-	STR 20.4	LT MAIN	189	---	
620+95	-	621+17	RT	32	---	
620+95	-	621+17	LT	32	---	
621+90	-	STR 20.1	RT	22	---	
621+90	-	STR 20.4	LT	32	---	
			TOTAL	1447	0	
			PROJECT TOTAL	3483	155	

3

LANDSCAPING SUMMARY

STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	629.0205 FERTILIZER TYPE A CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY	SPV.0120.01 WATER FOR SEEDED AREAS MGAL	REMARKS
600+00	-	603+00	STH 42	318	0.20	6	8.6	---	---	5.5	
10+62	-	10+73	COUNTRY WALK DRIVE	10	0.01	1	0.2	---	---	0.5	
603+00	-	607+07	STH 42	542	0.34	10	15	---	---	9.2	
607+07	-	613+33	STH 42	1478	1.09	26	40	0.2	6	25	
30+60	-	33+69	GATEWAY DRIVE	1180	0.74	21	32	---	---	20	
50+60	-	53+19	STH 57	400	0.25	7	11	---	---	6.8	
53+19	-	57+31	STH 57	964	0.61	17	26	---	---	16	
40+88	-	41+67	BLUFFSIDE LANE	118	0.07	2	3.1	---	---	2.0	
613+33	-	619+87	STH 42	250	0.16	---	6.8	5.6	250	---	
70+43	-	70+88	CTH ZZ	---	---	---	---	---	---	---	
619+87	-	640+86	STH 42	1517	1.00	---	41	34	1517	---	
80+26	-	80+32	MILL ROAD (WEST)	3	---	---	0.1	0.2	3	---	
90+42	-	90+56	MILL ROAD (EAST)	5	---	---	0.1	0.2	5	---	
100+41	-	101+73	SUNSET DRIVE	35	0.02	---	1.0	1.0	35	---	
110+42	-	110+60	SCANDIA ROAD	4	---	---	0.1	0.2	4	---	
			MILL ROAD PARKING LOT	650	---	---	---	15	650	---	
			UNDISTRIBUTED	682	1.51	25	48.0	3.6	160	9.3	
			TOTAL	8156	6	116	233.0	60	2630	94	

ROCK BAGS

STATION	LOCATION	628.7570 EACH	REMARKS
31+57	GATEWAY RT	9	
31+94	GATEWAY RT	9	
32+45	GATEWAY LT	9	
32+46	GATEWAY RT	9	
32+66	GATEWAY LT	9	
32+67	GATEWAY RT	9	
32+88	GATEWAY LT	9	
32+89	GATEWAY RT	9	
33+10	GATEWAY RT	9	
33+12	GATEWAY LT	9	
33+31	GATEWAY RT	9	
33+53	GATEWAY RT	9	
	TOTAL	108	

MOBILIZATIONS EMERGENCY EROSION CONTROL

ITEM 628.1910	EACH
MOBILIZATIONS EMERGENCY EROSION CONTROL	6

EROSION CONTROL SUMMARY

STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2006 EROSION MAT URBAN CLASS I TYPE B SY	628.2037 EROSION MAT CLASS III TYPE C SY	INLET PROTECTION 628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH	REMARKS
600+00	-	603+00	STH 42	20	5	318	---	3	1	2	---	
10+62	-	10+73	COUNTRY WALK DRIVE	---	---	10	---	---	---	---	---	
603+00	-	607+07	STH 42	745	186	542	---	4	1	3	---	
607+07	-	613+33	STH 42	250	62	1472	---	8	1	7	1	
30+60	-	33+69	GATEWAY DRIVE	---	---	1180	336	3	2	1	2	
50+60	-	53+19	STH 57	30	7	400	12	2	---	3	1	
53+19	-	57+31	STH 57	460	115	964	---	---	---	---	---	
40+88	-	41+67	BLUFFSIDE LANE	80	20	118	---	2	1	1	---	
613+33	-	619+87	STH 42	---	---	---	---	11	1	17	---	
70+43	-	70+88	CTH ZZ	---	---	---	---	1	2	1	---	
619+87	-	640+86	STH 42	700	175	---	---	19	1	28	4	
80+26	-	80+32	MILL ROAD (WEST)	---	---	---	---	---	---	---	---	
90+42	-	90+56	MILL ROAD (EAST)	---	---	---	---	2	2	2	---	
100+41	-	101+73	SUNSET DRIVE	140	35	---	---	---	---	---	---	
110+42	-	110+60	SCANDIA ROAD	---	---	---	---	---	---	---	---	
			MILL ROAD PARKING LOT	270	270	---	---	---	---	4	---	
			UNDISTRIBUTED	245	61	550	32	---	---	---	---	
			TOTAL	2940	936	5554	380	55	12	69	8	

MOBILIZATIONS EROSION CONTROL

ITEM 628.1905	EACH
MOBILIZATIONS EROSION CONTROL	15

TRACKING PADS

ITEM 628.1910	EACH	REMARKS
TRACKING PADS	3	UNDISTRIBUTED
TRACKING PADS	1	MILL ROAD PARKING LOT
TOTAL	4	

3

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	634.0810 POSTS TUBULAR STEEL 2X2X10 EACH	634.0812 POSTS TUBULAR STEEL 2X2X12 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	STH 42, W. OF COUNTRY WALK DR	W14-3	48" X 36"	---	6.00	1	---	---	---	---	1	1	
2	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	1	---	30 MPH, MOUNT ON BACKSIDE OF SIGN #1
2A	"	W11-2	30" X 30"	---	6.25	1	---	---	---	---	---	---	
3	"	W7-1	30" X 30"	6.25	---	1	---	---	---	---	1	1	
4	"	W7-3	24" X 18"	3.00	---	---	---	---	---	---			11% GRADE, MOUNT BELOW SIGN #3
5	COUNTRY WALK DR	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
5A	STH 42, E. OF COUNTRY WALK DR	W11-2	30" X 30"	---	6.25	---	1	---	---	---	---	---	
5B	"	W16-7L	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN #5A
6	SISTER BLUFF RD	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
6A	STH 42, E. OF COUNTRY WALK DR	W11-2	30" X 30"	---	6.25	---	1	---	---	---	---	---	
6B	"	W16-7L	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN #6A
7	"	J1-1	24" X 39"	6.50	---	---	1	---	---	---	1	1	JCT STH 57
8	"	R7-1D	18" X 24"	3.00	---	1	---	---	---	---	1	1	
8A	"	W11-2	30" X 30"	---	6.25	1	---	---	---	---	---	---	
9	"	R7-1D	18" X 24"	3.00	---	1	---	---	---	---	1	1	
10	"	W8-5	30" X 30"	6.25	---	1	---	---	---	---	1	1	
11	"	W1-6	48" X 24"	---	8.00	---	---	---	1	---	1	1	CALL NE REGION TRAFFIC TO OBTAIN KLEEN BREAK MODEL 425 BRACKETS
12	"	J2-2	48" X 57"	19.00	---	---	---	---	---	2	1	1	NORTH STH 42, SOUTH STH 57, SEE PLAN SHEET, CALL NE REGION TRAFFIC TO OBTAIN KLEEN BREAK MODEL 425 BRACKETS
13	"	R2-1	24" X 30"	5.00	---	---	---	---	---	1	1	1	30 MPH, CALL NE REGION TRAFFIC TO OBTAIN KLEEN BREAK MODEL 425 BRACKETS
14	"	R7-1D	18" X 24"	3.00	---	---	---	---	---	---	1	---	MOUNT BELOW SIGN #13
15	OLD GATEWAY RD	W11-2		---	---	---	---	---	---	---	1	1	
16	"	W13-1		---	---	---	---	---	---	---	1	---	
17	"	SP		---	---	---	---	---	---	---	1	1	
18	NEW GATEWAY RD	R1-1	30" X 30"	5.18	---	---	---	---	1	---	1	1	CALL NE REGION TRAFFIC TO OBTAIN KLEEN BREAK MODEL 425 BRACKETS
19	STH 42/STH 57 INTERSECTION	D1-3	96" X 36"	24.00	---	---	---	---	2	---	1	2	CALL NE REGION TRAFFIC TO OBTAIN KLEEN BREAK MODEL 425 BRACKETS, SEE SIGN DETAIL SHEET
20	"	J3-1	24" X 57"	9.50	---	1	---	---	---	---	1	1	
21	"	R1-1		---	---	---	---	---	---	---	1	---	
22	"	J3-1	24" X 57"	9.50	---	---	---	---	---	---	1	---	MOUNT ON BACKSIDE OF SIGN #20
23	BLUFF SIDE LANE	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
24	STH 42/STH 57 INTERSECTION	J13-2	48" X 45"	15.00	---	---	---	---	1	---	1	1	LAKE MICHIGAN CIRCLE TOUR, STH 42, SEE PLAN SHEET, CALL NE REGION TRAFFIC TO OBTAIN KLEEN BREAK MODEL 425 BRACKETS
25	STH 57, S. OF STH 42	J4-2	48" X 36"	12.00	---	1	---	---	---	---	1	1	SOUTH STH 57, SOUTH SCENIC BYWAY, SEE PLAN SHEET
26	NEW GATEWAY RD	W3-1	36" X 36"	---	9.00	---	1	---	---	---	1	1	
27	"	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
28	"	W11-2		---	---	---	---	---	---	---	1	1	
29	STH 57, S. OF STH 42	D1-3	78" X 36"	19.50	---	---	2	---	---	---	1	2	SEE SIGN DETAIL SHEET
30	"	D2-2	102" X 24"	17.00	---	---	2	---	---	---	1	2	SEE SIGN DETAIL SHEET
31	"	R2-1	24" X 30"	5.00	---	1	---	---	---	---	1	1	35 MPH
32	"	J2-2	48" X 57"	19.00	---	---	1	---	---	---	1	1	SOUTH STH 42, NORTH STH 42, SEE PLAN SHEET
		PAGE SUBTOTAL		216.40	52.00	14	9	0	5	3	31	29	

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ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	634.0810 POSTS TUBULAR STEEL 2X2X10 EACH	634.0812 POSTS TUBULAR STEEL 2X2X12 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
33	CANTERBURY LANE	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
34	STH 57, S. OF CANTERBURY LANE	W3-1	36" X 36"	---	9.00	---	1	---	---	---	1	1	
35	STH 42/STH 57 INTERSECTION	R1-1	36" X 36"	7.46	---	---	1	---	---	---	1	1	
36	STH 42, N. OF STH 57	D1-3	96" X 36"	24.00	---	---	2	---	---	---	1	2	SEE SIGN DETAIL SHEET
37	"	I55-56		---	---	---	---	---	---	---	1	1	PORTSIDE BUILDERS INC
38	"	J2-2	48" X 57"	19.00	---	---	---	---	---	---	1	1	SOUTH STH 57, SOUTH STH 42, MOUNT TO LIGHT POLE VIA A5-10 PLATE, SEE PLAN SHEET
39	"	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
40	CTH ZZ	J13-1	24" X 45"	7.50	---	---	1	---	---	---	1	---	CTH ZZ, SEE PLAN SHEET
41	"	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
42	"	J13-1	24" X 45"	7.50	---	---	---	---	---	---	1	---	CTH ZZ, SEE PLAN SHEET, BACKSIDE OF SIGN #40
43	STH 42, N. OF CTH ZZ	J13-1	24" X 45"	7.50	---	---	---	---	---	---	1	1	CTH ZZ, SEE PLAN SHEET, MOUNT TO LIGHT POLE
44	"	J1-2	48" X 39"	13.00	---	---	---	---	---	---	1	1	JCT STH 57, JCT CTH ZZ, SEE PLAN SHEET, MOUNT TO LIGHT POLE
45	MILL ROAD	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
46	"	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
47	STH 42, N. OF MILL ROAD	R2-1	24" X 30"	5.00	---	---	---	---	---	---	1	1	30 MPH, MOUNT TO LIGHT POLE
48	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	1	1	30 MPH, MOUNT TO LIGHT POLE
49	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	1	1	30 MPH, MOUNT TO LIGHT POLE
49A	"	W11-2	30" X 30"	---	6.25	---	---	1	---	---	---	---	
49B	"	W16-7L	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN #49A
49C	"	W11-2	30" X 30"	---	6.25	---	---	---	---	---	---	---	MOUNT TO LIGHT POLE
49D	"	W16-7L	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN #49C
49E	STH 42, S. OF SUNSET ROAD	W11-2	30" X 30"	---	6.25	---	---	1	---	---	---	---	
49F	"	W16-7L	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN #49E
49G	"	W11-2	30" X 30"	---	6.25	---	---	1	---	---	---	---	
49H	"	W16-7L	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN #49G
50	"	R7-53R	18" X 24"	3.00	---	1	---	---	---	---	---	---	
50A	"	W11-2	30" X 30"	---	6.25	---	---	1	---	---	---	---	
50B	"	W16-7L	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN #50A
50C	"	W11-2	30" X 30"	---	6.25	---	---	1	---	---	---	---	
50D	"	W16-7L	24" X 12"	---	2.00	---	---	---	---	---	---	---	MOUNT BELOW SIGN #50C
51	"	R2-1	24" X 30"	5.00	---	1	---	---	---	---	1	1	30 MPH
52	SUNSET ROAD	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
53	STH 42, N. OF SUNSET ROAD	R7-53L	18" X 24"	3.00	---	1	---	---	---	---	---	---	
54	"	R7-53R	18" X 24"	3.00	---	1	---	---	---	---	1	1	
55	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	1	1	30 MPH, MOUNT TO LIGHT POLE
56	"	D7-57	54" X 36"	13.50	---	1	---	---	---	---	1	1	
57	SCANDIA ROAD	R1-1	30" X 30"	5.18	---	1	---	---	---	---	1	1	
58	STH 42, N. OF SCANDIA RD	I55-56	30" X 36"	7.50	---	---	---	---	---	---	---	---	PORTSIDE BUILDERS INC, MOUNT TO LIGHT POLE
		PAGE SUBTOTAL		177.22	58.50	11	5	6	0	0	23	22	
		PROJECT TOTAL		**393.62**	**110.50**	**25**	**14**	**6**	**5**	**3**	**54**	**51**	

TRAFFIC CONTROL DETOUR SIGNS: STAGE 1 - HWY 57 & EAST GATEWAY DR (CLOSED)

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	1000' S OF SIGN # 3 ON HWY 57 NB	W 20-2-A	48"x48"	1	45	45						
2	500' S OF SIGN # 3 ON HWY 57 NB	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 5-1-L	21"x21"	1	45	45						
3	SOUTH SIDE OF W1-7 (NIGHT ARROW) FACING HWY 57 (NB-NEAR RT)	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						LEFT
4	NE QUAD OF HWY 57 & COUNTRYWALK DR INTERSECTION (FAR LT)	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						LEFT
5	NE QUAD OF HWY 57 & COUNTRYWALK DR INTERSECTION	R 11-3	48"x30"	1	45	45	45	90				1/2 MILE
6	BELOW SIGN # 5	MO 4-9-L	30"x24"	1	45	45						
7	200' N OF HWY 57 INTERSECTION ON COUNTRYWALK DR	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						AHEAD
8	RT OF R1-1 (STOP SIGN) @ COUNTRYWALK DR & HWY 57	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						RIGHT
9	250' N OF SIGN # 8 ON COUNTRYWALK DR	MO 4-8-A	24"x18"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
10	500' S OF HWY 42 INTERSECTION ON COUNTRYWALK DR	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 5-1-R	21"x21"	1	45	45						
11	RT OF R1-1 (STOP SIGN) @ HWY 42 & COUNTRYWALK DR (NB)	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						RIGHT
12	200' S OF HWY 42 INTERSECTION ON COUNTRYWALK DR (SB)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						AHEAD
13	225' E OF FIELDCREST DR ON HWY 42	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	W 20-2-A	48"x48"	1	45	45						
14	225' E OF SIGN # 13 ON HWY 42	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 5-1-R	21"x21"	1	45	45						
		PAGE SUBTOTAL		43		1,935	45	90	0		0	

TRAFFIC CONTROL DETOUR SIGNS: STAGE 1 - HWY 57 & EAST GATEWAY DR (CLOSED) CONT.

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
15	SE QUAD OF COUNTRYWALK & HWY 42 INTERSECTION	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						RIGHT
16	NW QUAD OF COUNTRYWALK & HWY 42 INTERSECTION	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						RIGHT
17	BACKSIDE OF SIGN # 16 (FACING SB TRAFFIC)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						LEFT
18	BACKSIDE OF SIGN # 15 (FACING SB TRAFFIC)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						RIGHT
19	MODIFY J1-1 (JCT 57)	MO 4-8-A	24"x18"	1	45	45						
	"	M 1-6	EXISTING									57
20	J2-2 (N-42-AH; S-57-AH RT)									1	1	SOUTH 57 AH RT
21	D1-3 (AH-ELLISON BAY/GILLS ROCK; BAILEYS HARBOR-RT)									1	1	BAILEYS HARBOR-RT
22	J3-1 (S-57-RT)									1	1	SOUTH 57 RIGHT
23	MODIFY J3-1 (S-57-LT)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	EXISTING									
	"	M 1-6	EXISTING									57
	"	MO 6-1	21"x21"	1	45	45						AHEAD
24	ACROSS FROM SIGN # 23 (LT SIDE)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						57
	"	MO 6-1	21"x21"	1	45	45						AHEAD
25	J4-1 (SOUTH 57)									1	1	SOUTH 57
26	D1-3 (AH-EPHRAIM/FISH CREEK; LT-BAILEYS HARBOR)									1	1	LT- BAILEYS HARBOR
27	MODIFY J3-2 (S-57-AH LT; S-42-AH)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	EXISTING									
	"	M 1-6	EXISTING									57
	"	MO 6-1	21"x21"	1	45	45						AHEAD
28	ABOVE J1-2 (JCT 57; JCT ZZ)	M 1-6	24"x24"	1	45	45						57
	"	W 20-2-A	48"x48"	1	45	45						
29	SW QUAD OF HWY 57 & HWY 42 INTERSECTION	R 11-2	48"x30"	1	45	45	45	90				
30	BELOW SIGN # 29	MO 4-9-R	30"x24"	1	45	45						
31	FIELD LOCATED - STH 57 NB			1					7			
32	FIELD LOCATED - STH 57 SB			1					7			
		PAGE SUBTOTAL		29		1,305	45	90	14		5	
		STAGE TOTAL		72		3,240	90	180	14		5	

3

TRAFFIC CONTROL DETOUR SIGNS: STAGE 2A - HWY 42 (COUNTRY WALK RD- STH 57) & WEST GATEWAY DR (CLOSED)

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	GAP IN SIGN NUMBERING (33-39)											
40	225' E OF FIELDCREST DR ON HWY 42 (NB)	W 20-2-A	48"x48"	1	45	45						
41	225' E OF SIGN # 40 ON STH 42 (NB)	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 5-1-R	21"x21"	1	45	45						
42	SW QUAD OF COUNTRYWALK DR & HWY 42 INTERSECTION (NEAR RT)	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						RIGHT
43	NE QUAD OF COUNTRYWALK DR & HWY 42 INTERSECTION (FAR LT)	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						RIGHT
44	SE QUAD OF COUNTRYWALK DR & HWY 42 INTERSECTION	R 11-2	48"x30"	1	45	45	45	90				
45	BELOW SIGN # 44	MO 4-9-R	30"x24"	1	45	45						
46	200' S OF HWY 42 INTERSECTION ON COUNTRYWALK DR (SB)	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						AHEAD
47	RT OF R 1-1 (STOP SIGN) AT HWY 42 ON COUNTYWALK DR (NB)	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						LEFT
48	300' S OF SIGN # 47 ON COUNTRYWALK DR (NB)	MO 4-8-A	24"x18"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
49	500' N OF HWY 57 INTERSECTION ON COUNTRYWALK DR (SB)	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 5-1-L	21"x21"	1	45	45						
50	RT OF R 1-1 (STOP SIGN) AT HWY 57 ON COUNTRYWALK DR (SB)	MO 4-8	24"x12"	1	45	45						
	"	M 3-1	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						LEFT
51	RT OF W1-7 (NIGHT ARROW) @ COUNTRYWALK & HWY 57 (FACING HWY 57 NB)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						LEFT
52	500' W OF COUNTRYWALK INTERSECTION ON HWY 57	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 5-1-L	21"x21"	1	45	45						
53	500' W OF SIGN # 52 ON HWY 57	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	W 20-2-A	48"x48"	1	45	45						
		PAGE SUBTOTAL		43		1,935	45	90		0		

TRAFFIC CONTROL DETOUR SIGNS: STAGE 2A - HWY 42 (COUNTRY WALK RD - STH 57) & WEST GATEWAY DR (CLOSED) CONT.

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
54	200' N OF HWY 57 INTERSECTION ON COUNTRYWALK DR	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						AHEAD
55	NE QUAD OF HWY 57 & COUNTRYWALK DR INTERSECTION	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						RIGHT
56	ACROSS FROM SIGN # 55 (LEFT SIDE)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						RIGHT
57	350' E OF SIGN # 55 (ON HWY 57 SB)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 5-1-R	21"x21"	1	45	45						
58	MODIFY J1-1 (JCT 42)	MO 4-8-A	24"x18"	1	45	45						
		M 1-6	EXISTING									42
59	J2-2 (S-42-AH LT; N-42-AH RT)									1	1	SOUTH 42 AHEAD LEFT
60	D 1-3 (LT-EPHRAIM; ELLISON BAY/GILLS ROCK-RT)									1	1	LEFT EPHRAIM
61	MODIFY J4-1 (42 LT & RT)	M 1-6	EXISTING									42
	"	MO 6-1	21"x21"	1	45	45						RIGHT
62	ABOVE J1-2 (JCT 57; JCT ZZ)	M 1-6	24"x24"	1	45	45						42
	"	W 20-2-A	48"x48"	1	45	45						
63	MODIFY J2-2 (S-57-AH LT; S-42-AH)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	EXISTING									
	"	M 1-6	EXISTING									42
	"	MO 5-1-L	21"x21"	1	45	45						
64	D1-3 (AH-EPHRAIM/FISH CREEK; LT-BAILEYS HARBOR)											AH-EPHRAIM/FISH CREEK
65	LT OF J3-1 (S-57-LT)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						LEFT
66	ACROSS FROM SIGN # 26 (RIGHT SIDE)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
	"	MO 6-1	21"x21"	1	45	45						LEFT
67	ABOVE J4-1 (S-57)	MO 4-8	24"x12"	1	45	45						
	"	M 3-3	24"x12"	1	45	45						
	"	M 1-6	24"x24"	1	45	45						42
68	NW QUAD OF HWY 57 & HWY 42 INTERSECTION	R 11-2	48"x30"	1	45	45	45	90				
69	BELOW SIGN # 68	MO 4-9-L	30"x24"	1	45	45						
70	FIELD LOCATED - STH 42 NB	PCMS		1					7			
71	FIELD LOCATED - STH 42 SB	PCMS		1					7			
		PAGE SUBTOTAL		35		1,575	45	90	14		2	
		STAGE TOTAL		78		3,510	90	180	14		2	

3

TRAFFIC CONTROL DETOUR SIGNS: STAGE 2B - HWY 42 (MAPLE DR - SCANDIA RD) (CLOSED)

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	GAP IN SIGN NUMBERING (72-74)											
75	LT OF J3-2 (N-42-AH; S-57-AH RT) ON HWY 42 (NB)	W 20-2-A	48"x48"	1	50	50						
76	LT OF J2-1 (S-57-RT) ON HWY 42 (NB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 5-1-R	21"x21"	1	50	50						
77	LT OF J13-1 (ZZ-RT) ON HWY 42 (NB-FAR RT)	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						RIGHT
78	250' S OF HWY 42 INTERSECTION ON CTY ZZ (SB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						AHEAD
79	300' N OF WOODCREST RD INTERSECTION ON CTY ZZ(SB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 5-1-L	21"x21"	1	50	50						
80	SW QUAD OF WOODCREST RD & CTY ZZ (SB) INTERSECTION (NEAR RT)	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						LEFT
81	NE QUAD OF WOODCREST RD & CTY ZZ (SB) INTERSECTION (FAR LT)	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						LEFT
82	200' E OF CTY ZZ INTERSECTION ON WOODCREST RD (EB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						AHEAD
83	100' W OF S. CRESCENT RD INTERSECTION ON WOODCREST RD (EB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 5-1-L	21"x21"	1	50	50						
84	RT OF STOP SIGN @ WODDCREST RD & SCANDIA RD INTERSECTION	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						LEFT
85	100' N OF WOODCREST RD INTERSECTION ON SCANDIA RD (NB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						AHEAD
86	300' S OF HWY 42 INTERSECTION ON SCANDIA RD (NB)	MO 4-8-A	24"x18"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
87	RT OF STOP SIGN @ SCANDIA RD & HWY 42 INTERSECTION	M 3-1	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						RIGHT
		PAGE SUBTOTAL		46		2,300	0	0	0	0		

TRAFFIC CONTROL DETOUR SIGNS: STAGE 2B - HWY 42 (MAPLE DR - SCANDIA RD) (CLOSED) CONT.

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
88	300' N OF SIGN # 89 ON HWY 42 (SB)	W 20-2-A	48"x48"	1	50	50						
89	300' N OF SIGN # 90 ON HWY 42 (SB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 5-1-L	21"x21"	1	50	50						
90	NE QUAD OF HWY 42 & SCANDIA RD INTERSECTION (NEAR RT)	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						LEFT
91	SW QUAD OF HWY 42 & SCANDIA RD INTERSECTION (FAR LT)	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						LEFT
92	300' N OF WOODCREST RD INTERSECTION ON SCANDIA RD (SB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 5-1-R	21"x21"	1	50	50						
93	SW QUAD OF SCANDIA RD & WOODCREST RD INTERSECTION (NEAR RT)	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						RIGHT
94	NE QUAD OF SCANDIA RD & WOODCREST RD INTERSECTION (FAR LT)	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						RIGHT
95	150' W OF SCANDIA RD INTERSECTION ON WOODCREST RD (SB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						AHEAD
96	500' N OF CTY ZZ INTERSECTION ON WOODCREST RD (SB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 5-1-R	21"x21"	1	50	50						
97	RT OF STOP SIGN @ CTY ZZ & WOODCREST RD (WB) INTERSECTION	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						RIGHT
98	150' W OF WOODCREST RD INTERSECTION ON CTY ZZ (WB)	MO 4-8	24"x12"	1	50	50						
	"	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						AHEAD
99	MODIFY J1-2 (JCT 42; END - ZZ) ON CTY ZZ (WB)	MO 4-8-A	24"x18"	1	50	50						
	"	M 1-6	EXISTING									
100	RT OF STOP SIGN @ CTY ZZ (WB) & STH 42 INTERSECTION	M 3-3	24"x12"	1	50	50						
	"	M 1-6	24"x24"	1	50	50						42
	"	MO 6-1	21"x21"	1	50	50						LEFT
		PAGE SUBTOTAL		45		2,250	0	0	0	0		
		STAGE TOTAL		91		4,550	0	0	0	0		

TRAFFIC CONTROL DETOUR SIGNS: STAGE 3A & 3B - HWY 42 (ONE-LANE BETWEEN COUNTRYWALK RD - SCANDIA RD) NB DIRECTION

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	GAP IN SIGN NUMBERING (101-109)											
110	1000' N OF OLD STAGE RD ON HWY 42 (SB)	W 20-2-A	48"x48"	1	95	95						
111	500' N OF OLD STAGE RD ON HWY 42 (SB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 5-1-L	21"x21"	1	95	95						
112	RT OF W 1-7 (NIGHT ARROW) OLD STAGE RD & HWY 42 (FACING SB TRAFFIC - NEAR RT)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						LEFT
113	SE QUAD OF HWY 42 & OLD STAGE RD INTERSECTION (FAR LT)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						LEFT
114	SW QUAD OF HWY 42 & OLD STAGE RD INTERSECTION	R 11-3	60"x30"	1	95	95	95	190				3 MILES
115	BELOW SIGN # 114	MO 4-9-L	30"x24"	1	95	95						
116	200' S OF HWY 42 INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
117	200' S OF GREEN RD INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
118	200' S OF CTY Z (WILDWOOD RD) INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
119	500' S OF HILL RD INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
120	200' S OF CTY ZZ INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
121	200' W OF TRAILS END INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
122	200' W OF ORCHARD RD INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
123	500' E OF HWY 57 INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 5-1-R	21"x21"	1	95	95						
		PAGE SUBTOTAL		47		4,465	95	190	0	0		

3

TRAFFIC CONTROL DETOUR SIGNS: STAGE 3A & 3B - HWY 42 (ONE-LANE BETWEEN COUNTRY WALK RD - SCANDIA RD) NB DIRECTION CONT.

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
124	RT OF STOP SIGN @ OLD STAGE RD & HWY 57 INTERSECTION	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						RIGHT
125	250' N OF OLD STAGE RD INTERSECTION ON HWY 57 (NB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
126	200' N OF ORCHARD RD INTERSECTION ON HWY 57 (NB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
127	250' W OF COUNTRYWALK INTERSECTION ON HWY 57 (NB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 5-1-L	21"x21"	1	95	95						
128	RT OF W1-7 (NIGHT ARROW) @ COUNTRYWALK & HWY 57 (FACING HWY 57 NB - NEAR RT)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						LEFT
129	NW QUAD OF HWY 57 & COUNTRYWALK DR INTERSECTION (FACING NB HWY 57 - FAR LT)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						LEFT
130	200' N OF HWY 57 INTERSECTION ON COUNTRYWALK DR (NB)	MO 4-8	24"x12"	1	95	95						
	"	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						AHEAD
131	300' S OF SIGN # 132 ON COUNTRYWALK DR (NB)	MO 4-8-A	24"x18"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
132	RT OF R 1-1 (STOP SIGN) ON COUNTRYWALK @ HWY 42	M 3-3	24"x12"	1	95	95						
	"	M 1-6	24"x24"	1	95	95						42
	"	MO 6-1	21"x21"	1	95	95						LEFT
133	J2-2 (S-42-AH LT; N-42-AH RT) ON HWY 57 (NB)									1	1	SOUTH 42 AHEAD LEFT
134	D 1-3 (LT-EPHRAIM; ELLISON BAY/GILLS ROCK-RT) ON HWY 57 (NB)									1	1	LEFT EPHRAIM
135	MODIFY J4-1 (42 LT & RT) ON HWY 57 (NB)	M 1-6	EXISTING									42
	"	MO 6-1	21"x21"	1	95	95						RIGHT
136	NW QUAD OF HWY 57 & HWY 42 INTERSECTION	R 11-2	48"x30"	1	95	95	95	190				
137	SW QUAD OF HWY 42 & HIGHVIEW RD INTERSECTION	R 11-3	60"x30"	1	95	95	95	190				2 1/2 MILES
138	SW QUAD OF HWY 42 & GREEN RD INTERSECTION	R 11-3	60"x30"	1	95	95	95	190				2 MILES
139	SW QUAD OF HWY 42 & WILDWOOD RD INTERSECTION	R 11-3	60"x30"	1	95	95	95	190				1 1/2 MILES
140	SW QUAD OF HWY 42 & WATERS END RD INTERSECTION	R 11-3	60"x30"	1	95	95	95	190				1 MILES
141	SW QUAD OF HWY 42 & HILL RD INTERSECTION	R 11-3	60"x30"	1	95	95	95	190				1/2 MILES
142	SW QUAD OF HWY 42 & SCANDIA RD INTERSECTION	R 11-2	48"x30"	1	95	95	95	190				
		PAGE SUBTOTAL		41		3,895	665	1,330	0		2	
		STAGE SUBTOTAL		88		8,360	760	1,520	0		2	

TRAFFIC CONTROL DETOUR SIGNS: STAGE 3C - HWY 42 (ONE-LANE BETWEEN HIGHLAND RD - SCANDIA RD) NB DIRECTION

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	GAP IN SIGN NUMBERING (143-149)											
150	SW QUAD OF HWY 42 & FIELDCREST RD INTERSECTION	R 11-2	48"x30"	1	40	40	40	80				
151	RT OF R1-1 (STOP SIGN) @ COUNTRY LANE & HWY 42	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						LEFT
152	500' S OF HWY 42 INTERSECTION ON COUNTRY LANE (NB)	MO 4-8-A	24"x18"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
153	200 ' N OF HWY 57 INTERSECTION ON COUNTRY LANE	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						AHEAD
154	500' S OF SIGN # 155 ON HWY 57 (NB)	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	W 20-2-A	48"x48"	1	40	40						
155	500' S OF SIGN # 156 ON HWY 57 (NB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 5-1-L	21"x21"	1	40	40						
156	SE QUAD OF COUNTRY LANE INTERSECTION ON HWY 57 (NB-NEAR RT)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						LEFT
157	NW QUAD OF COUNTRY LANE INTERSECTION ON HWY 57 (SB-FAR LT)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						LEFT
158	250' N OF OLD STAGE RD INTERSECTION ON HWY 57 (NB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						AHEAD
159	RT OF STOP SIGN @ OLD STAGE RD & HWY 57 INTERSECTION	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						RIGHT
160	500' E OF HWY 57 INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 5-1-R	21"x21"	1	40	40						
161	200' W OF ORCHARD RD INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						AHEAD
162	200' W OF TRAILS END INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						AHEAD
		PAGE SUBTOTAL		45		1,800	40	80	0		0	

TRAFFIC CONTROL DETOUR SIGNS: STAGE 3C - HWY 42 (ONE-LANE BETWEEN HIGHLAND RD - SCANDIA RD) NB DIRECTION CONT.

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
163	200' S OF CTY ZZ INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						AHEAD
164	500' S OF HILL RD INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						AHEAD
165	200' S OF CTY Z (WILDWOOD RD) INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						AHEAD
166	200' S OF GREEN RD INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						AHEAD
167	200' S OF HWY 42 INTERSECTION ON OLD STAGE RD (SB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						AHEAD
168	SW QUAD OF HWY 42 & OLD STAGE RD INTERSECTION	R 11-3	60"x30"	1	40	40	40	80				3 MILES
169	BELOW SIGN # 168	MO 4-9-L	30"x24"	1	40	40						
170	SE QUAD OF HWY 42 & OLD STAGE RD INTERSECTION (FAR LT)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						LEFT
171	RT OF W 1-7 (NIGHT ARROW) OLD STAGE RD & HWY 42 (FACING SB TRAFFIC-NEAR RT)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 6-1	21"x21"	1	40	40						LEFT
172	500' N OF OLD STAGE RD ON HWY 42 (SB)	MO 4-8	24"x12"	1	40	40						
	"	M 3-3	24"x12"	1	40	40						
	"	M 1-6	24"x24"	1	40	40						42
	"	MO 5-1-L	21"x21"	1	40	40						
173	1000' N OF OLD STAGE RD ON HWY 42 (SB)	W 20-2-A	48"x48"	1	40	40						
174	SW QUAD OF HWY 42 & HIGHVIEW RD INTERSECTION	R 11-3	60"x30"	1	40	40	40	80				2 1/2 MILES
175	SW QUAD OF HWY 42 & GREEN RD INTERSECTION	R 11-3	60"x30"	1	40	40	40	80				2 MILES
176	SW QUAD OF HWY 42 & WILDWOOD RD INTERSECTION	R 11-3	60"x30"	1	40	40	40	80				1 1/2 MILES
177	SW QUAD OF HWY 42 & WATERS END RD INTERSECTION	R 11-3	60"x30"	1	40	40	40	80				1 MILES
178	SW QUAD OF HWY 42 & HILL RD INTERSECTION	R 11-3	60"x30"	1	40	40	40	80				1/2 MILES
179	SW QUAD OF HWY 42 & SCANDIA RD INTERSECTION	R 11-2	48"x30"	1	40	40	40	80				
180	J2-2 (S-42-AH LT; N-42-AH RT) ON HWY 57 (NB)									1	1	SOUTH 42 AHEAD LEFT
181	D 1-3 (LT-EPHRAIM; ELLISON BAY/GILLS ROCK-RT) ON HWY 57 (NB)									1	1	LEFT EPHRAIM
182	MODIFY J4-1 (42 LT & RT) ON HWY 57 (NB)	M 1-6	EXISTING									42
	"	MO 6-1	21"x21"	1	40	40						RIGHT
183	NW QUAD OF HWY 57 & HWY 42 INTERSECTION	R 11-2	48"x30"	1	40	40	40	80				
		PAGE SUBTOTAL		43		1,720	320	640	0		2	
		STAGE SUBTOTAL		88		3,520	360	720	0		2	

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TRAFFFIC CONTROL PROJECT 4610-06-71

643.0100	LS
TRAFFFIC CONTROL PROJECT 4610-06-71	1

TRAFFIC CONTROL DETOUR PROJECT 4610-06-71

643.2000	LS
TRAFFIC CONTROL DETOUR PROJECT 4610-06-71	1

TRAFFIC CONTROL DETOUR SIGNS: PROJECT TOTAL SUMMARY

STAGE	NUMBER IN SERVICE	APPROX. SERVICE PERIOD DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	643.0920 COVERING SIGNS NUMBER OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	72	45	3,240	90	180	14	5	5	
2A	78	45	3,510	90	180	14	2	2	
2B	91	50	4,550	-	-	-	-	-	
3A &3B	88	95	8,360	760	1,520	-	2	2	
3C	88	40	3,520	360	720	-	2	2	
PROJECT TOTAL	417	275	23,180	1,300 +	2,600 +	28	-	11	

TRAFFIC CONTROL SUMMARY

LOCATION	APPROX. SERVICE PERIOD DAYS	643.0300 DRUMS NO. IN SERVICE	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III NO. IN SERVICE	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A NO. IN SERVICE	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C NO. IN SERVICE	643.0715 WARNING LIGHTS TYPE C DAYS	643.0900 SIGNS NO. IN SERVICE	643.0900 SIGNS DAYS	REMARKS
30+00 TO 34+30	45	---	---	6	270	10	450	---	---	4	180	
50+00 TO 57+31	45	5	225	16	720	22	990	5	225	7	315	
STAGE 1 TOTAL		5	225	22	990	32	1440	5	225	11	495	
603+00 TO 612+80	45	---	---	12	540	13	585	---	---	1	45	
30+00 TO 34+30	45	---	---	5	225	8	360	---	---	2	90	
STAGE 2A TOTAL		---	---	17	765	21	945	---	---	3	135	
STAGE 2B TOTAL	50	---	---	16	800	24	1200	---	---	16	800	
603+00 TO 612+80	45	42	1890	6	270	6	270	10	450	5	225	
30+00 TO 34+30	45	---	---	5	225	8	360	---	---	2	90	
50+00 TO 57+31	45	14	630	---	---	---	---	14	630	8	360	
612+80 TO 616+90	45	14	630	2	90	---	---	2	90	6	270	
70+00 TO 71+38	45	9	405	---	---	---	---	9	405	6	270	
616+90 TO 622+60	45	20	900	3	135	---	---	2	90	10	450	
90+00 TO 90+74	45	7	315	---	---	---	---	7	315	8	360	
622+60 TO 636+50	45	68	3060	4	180	2	90	19	855	20	900	
636+50 TO EOP	45	14	630	1	45	2	90	---	---	13	585	
STAGE 3A TOTAL		188	8460	21	945	18	810	63	2835	78	3510	
603+00 TO 612+80	50	39	1950	5	250	4	200	2	100	11	550	
40+00 TO 42+16	50	8	400	---	---	---	---	8	400	5	250	
612+80 TO 616+90	50	14	700	2	100	---	---	2	100	6	300	
60+00 TO 61+30	50	6	300	---	---	---	---	6	300	7	350	
616+90 TO 622+60	50	24	1200	3	150	2	100	6	300	11	550	
80+00 TO 80+74	50	4	200	---	---	---	---	4	200	8	400	
622+60 TO 636+50	50	57	2850	4	200	2	100	9	450	21	1050	
100+00 TO 101+95	50	8	400	---	---	---	---	8	400	3	150	
636+50 TO EOP	50	23	1150	3	150	4	200	18	900	12	600	
STAGE 3B TOTAL		183	9150	17	850	12	600	63	3150	84	4200	
BOP - NORTHBOUND	20	20	400	6	120	8	160	8	160	8	160	
BOP - SOUTHBOUND	20	13	260	5	100	7	140	1	20	8	160	
EOP - NORTHBOUND	20	21	420	7	140	12	240	17	340	5	100	
EOP - SOUTHBOUND	20	6	120	3	60	6	120	1	20	6	120	
STAGE 3C TOTAL		60	1200	21	420	33	660	27	540	27	540	
PROJECT TOTAL		436	19035 +	114	4770 +	140	5655 +	158	6750	219	9680	

\+ ITEM SHOWN ELSEWHERE

3

PAVEMENT MARKING EPOXY 4-INCH

STATION	TO	STATION	LOCATION	646.0106 YELLOW SOLID LF	YELLOW DASHED LF	WHITE SOLID LF	WHITE DASHED LF	REMARKS
600+00	-	603+00	STH 42	190	50	255	102	
10+50	-	10+73	COUNTRY WALK DRIVE	44	---	---	---	
603+00	-	613+00	STH 42	1640	---	---	---	
30+30	-	34+10	GATEWAY DRIVE	755	---	---	---	
50+60	-	57+31	STH 57	1110	---	405	---	
613+00	-	617+00	STH 42	640	---	---	---	
70+25	-	70+88	CTH ZZ	125	---	---	---	
617+00	-	622+50	STH 42	985	---	---	---	
622+50	-	636+50	STH 42	2635	---	---	---	
636+50	-	640+00	STH 42	635	---	---	---	
640+00	-	640+86	STH 42	36	13	65	---	
			TOTAL	8795	63	725	102	

PAVEMENT MARKING CROSSWALK EPOXY 6-INCH

STATION	TO	STATION	LOCATION	647.0766 LF	REMARKS
602+00	-	604+00	STH 42	180	
608+50	-	609+50	STH 42	130	
612+00	-	613+50	STH 42	305	
616+00	-	617+50	STH 42	365	
622+00	-	623+50	STH 42	388	
626+00	-	633+00	STH 42	270	
636+00	-	637+00	STH 42	162	
637+00	-	640+86	STH 42	90	
			TOTAL	1890	

REMOVING PAVEMENT MARKINGS

LOCATION	646.0600 LF	REMARKS
STH 42	7400	TEMP CL
TOTAL	7400	

PAVEMENT MARKING STOP LINE EPOXY 18-INCH

APPROACH	LOCATION	647.0566 LF	REMARKS
COUNTRY WALK DRIVE	STH 42	25	
GATEWAY DRIVE	STH 42	22	
STH 57	STH 42	15	
CTH ZZ	STH 42	26	
	TOTAL	88	

COVERING EXISTING PARKING STALL LINES

STATION	TO	STATION	LOCATION	SPV.0090.14 LF	REMARKS
613+00	-	617+00	STH 42	150	
617+00	-	622+50	STH 42	520	
622+50	-	636+50	STH 42	1140	
636+50	-	640+86	STH 42	110	
			TOTAL	1920	

PAVEMENT MARKING EPOXY 8-INCH

STATION	TO	STATION	LOCATION	646.0126 LF	REMARKS
600+00	-	603+00	STH 42	100	
10+50	-	10+73	COUNTRY WALK DRIVE	22	
70+25	-	70+88	CTH ZZ	63	
			TOTAL	185	

3

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH

LOCATION	649.0200 LF	REMARKS
	YELLOW SOLID	
COUNTRY WALK DRIVE	4430	DETOUR CL
SCANDIA ROAD	3380	DETOUR CL
WOODCREST ROAD	5280	DETOUR CL
CTH ZZ	5910	DETOUR CL
OLD STAGE ROAD	74450	DETOUR CL
STH 57	17440	DETOUR CL
STH 42	8170	CL
COUNTRY LANE	12250	DETOUR CL
TOTAL	131310	

LOCATING NO-PASSING ZONES

ROADWAY NAME	TERMINI	648.0100 MI	REMARKS
COUNTRY WALK DRIVE	STH 42 - STH 57	0.42	
SCANDIA ROAD	STH 42 - WOODCREST ROAD	0.32	
WOODCREST ROAD	SCANDIA ROAD - CTH ZZ	0.50	
CTH ZZ	WOODCREST ROAD - STH 42	0.56	
OLD STAGE ROAD	STH 42 - STH 57	7.05	
STH 57	OLD STAGE ROAD - ORCHARD DRIVE	1.15	
STH 57	ORCHARD DRIVE - STH 42	0.64	
STH 42	STA 600+00 - STA 640+86	0.77	
COUNTRY LANE	STH 57 - STH 42	1.16	
	TOTAL	12.57	

PAVEMENT MARKING SYMBOLS EPOXY (YELLOW)

LOCATION	647.0256 EACH	REMARKS
MILL ROAD PARKING LOT	4	
TOTAL	4	

PAVEMENT MARKING PARKING STALL EPOXY

LOCATION	647.0656 LF	REMARKS
MILL ROAD PARKING LOT	1700	YELLOW
TOTAL	1700	

PAVEMENT MARKING PARKING STALL EPOXY

STATION	TO	STATION	LOCATION	* 647.0656 LF	REMARKS
613+00	-	617+00	STH 42 LT	170	
617+00	-	622+50	STH 42 LT	435	
617+00	-	622+50	STH 42 RT	275	
622+50	-	628+80	STH 42 RT	485	
622+50	-	628+80	STH 42 LT	560	
628+80	-	636+50	STH 42 RT	555	
628+80	-	636+50	STH 42 LT	825	
636+50	-	640+00	STH 42 RT	225	
636+50	-	640+00	STH 42 LT	280	
			TOTAL	3810	

PAVEMENT MARKING CURB EPOXY

STATION	TO	STATION	LOCATION	* 647.0456 LF	REMARKS
611+50	-	616+80	STH 42	535	
616+80	-	622+60	STH 42	520	
622+60	-	628+80	STH 42	325	
628+80	-	636+50	STH 42	375	
636+50	-	640+86	STH 42	300	
			TOTAL	2055	

PAVEMENT MARKING CONCRETE CORRUGATED MEDIAN EPOXY

STATION	LOCATION	* 647.0856 SF	REMARKS
636+73	STH 42 LT	90	
	TOTAL	90	

* CATEGORY 0020 ITEM

3

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL PROJECT 4610-06-71

ITEM 650.9910	LS
CONSTRUCTION STAKING SUPPLEMENTAL CONTROL PROJECT 4610-06-71	1

FIELD OFFICE TYPE D

ITEM 642.5401	EACH
FIELD OFFICE TYPE D	1

CRACK AND DAMAGE SURVEY

ITEM 999.1500.S	LS
CRACK AND DAMAGE SURVEY	1

STREET SWEEPING

ITEM SPV.0075.01	HRS
STREET SWEEPING	72

SALVAGING TIMBER RETAINING WALL

				SPV.0090.18	
STATION	TO	STATION	LOCATION	LF	REMARKS
615+18	-	615+96	RT	108	
616+11	-	616+16	RT	5	
			TOTAL	113	

SEISMOGRAPH/VIBRATION MONITORING

ITEM SPV.0105.01	LS
SEISMOGRAPH/VIBRATION MONITORING	1

CONSTRUCTION STAKING SUMMARY

STATION	TO	STATION	LOCATION	650.4000 STORM SEWER EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.7000 CONCRETE PAVEMENT LF	650.9920 SLOPE STAKES LF	REMARKS
600+00	-	603+00	STH 42	3	300	21	21	279	300	
10+62	-	10+73	COUNTRY WALK DRIVE	---	11	10	---	---	10	
20+21	-	20+31	SISTER BLUFF DRIVE	1	10	10	---	---	10	
603+00	-	607+07	STH 42	8	407	---	---	407	407	
607+07	-	613+33	STH 42	14	626	---	---	626	626	
30+60	-	33+69	GATEWAY DRIVE	5	309	309	605	---	309	
50+60	-	53+19	STH 57	5	259	259	433	---	259	
53+19	-	57+31	STH 57	---	412	412	368	---	412	
40+88	-	41+67	BLUFFSIDE LANE	2	79	79	155	---	79	
613-33	-	619+87	STH 42	18	654	---	---	654	654	
60+63	-	60+89	MAPLE DRIVE	---	26	26	24	---	26	
70+43	-	70+88	CTH ZZ	2	45	45	60	---	45	
619+87	-	640+86	STH 42	40	2099	5	---	2094	2100	INCLUDES VORTECHICS
80+26	-	80+32	MILL ROAD (WEST)	---	6	6	12	---	6	
90+42	-	90+56	MILL ROAD (EAST)	5	14	14	30	---	14	
100+41	-	101+73	SUNSET DRIVE	2	132	132	109	---	132	
110+42	-	110+60	SCANDIA ROAD	---	18	18	18	---	10	
			MILL ROAD PARKING LOT	2	150	150	600	---	150	
			TOTAL	107	5557	1496	2435	4060	5549	

SALVAGING AND RESETTING LANDSCAPING WALL

				SPV.0090.19	
STATION	TO	STATION	LOCATION	LF	REMARKS
628+37	-	628+45	STH 42 LT	8	
			TOTAL	8	

MODULAR BLOCK WALL

				SPV.0165.05	
STATION	TO	STATION	LOCATION	SF	REMARKS
614+75	-	615+97	STH 42 RT	438	
			TOTAL	438	

CONCRETE PAVEMENT JOINT LAYOUT

ITEM SPV.0105.03	LS
CONCRETE PAVEMENT JOINT LAYOUT	1

3

SAWING ASPHALT

STATION	LOCATION	690.0150 LF	REMARKS
600+00	STH 42	40	CONSTRUCTION LIMITS
600+23	STH 42 RT	55	PATH REPLACEMENT
600+46	STH 42 LT	30	DRIVEWAY REPLACEMENT
600+67	STH 42 RT	55	DRIVEWAY REPLACEMENT
601+53	STH 42 LT	34	DRIVEWAY REPLACEMENT
602+13	STH 42 RT	10	PATH REPLACEMENT
10+73	COUNTRY WALK DRIVE	44	CONSTRUCTION LIMITS
602+82	STH 42 RT	10	PATH REPLACEMENT
20+21	SISTER BLUFF DRIVE	22	CONSTRUCTION LIMITS
605+30	STH 42 LT	56	DRIVEWAY REPLACEMENT
606+85	STH 42 RT	10	PATH REPLACEMENT
607+95	STH 42 RT	19	DRIVEWAY REPLACEMENT
31+75	GATEWAY DRIVE LT	55	DRIVEWAY REPLACEMENT
32+22	GATEWAY DRIVE RT	27	DRIVEWAY REPLACEMENT
33+43	GATEWAY DRIVE LT	18	DRIVEWAY REPLACEMENT
55+23	STH 57 LT	27	DRIVEWAY REPLACEMENT
56+03	STH 57 LT	15	DRIVEWAY REPLACEMENT
57+31	STH 57	64	CONSTRUCTION LIMITS
40+88	BLUFFSIDE LANE	36	CONSTRUCTION LIMITS
614+49	STH 42 LT	38	DRIVEWAY REPLACEMENT
614+66	STH 42 RT	48	DRIVEWAY REPLACEMENT
616+00	STH 42 LT	10	DRIVEWAY REPLACEMENT
60+63	MAPLE DRIVE	48	CONSTRUCTION LIMITS
70+88	CTH ZZ	48	CONSTRUCTION LIMITS
70+65	CTH ZZ	46	DRIVEWAY REPLACEMENT
618+82	STH 42 LT	56	PAVEMENT REPLACEMENT
619+30	STH 42 RT	9	DRIVEWAY REPLACEMENT
619+50	STH 42 LT	22	DRIVEWAY REPLACEMENT
620+91	STH 42 RT	10	DRIVEWAY REPLACEMENT
621+54	STH 42 LT	31	DRIVEWAY REPLACEMENT
90+56	MILL ROAD EAST	31	CONSTRUCTION LIMITS
90+50	MILL ROAD EAST LT	21	PAVEMENT REPLACEMENT
80+26	MILL ROAD WEST	30	CONSTRUCTION LIMITS
623+39	STH 42 LT	26	PATH REPLACEMENT
624+62	STH 42 RT	20	DRIVEWAY REPLACEMENT
625+18	STH 42 LT	22	DRIVEWAY REPLACEMENT
626+00	STH 42 LT	20	DRIVEWAY REPLACEMENT
626+03	STH 42 RT	28	DRIVEWAY REPLACEMENT
626+62	STH 42 LT	5	PATH REPLACEMENT
	SUBTOTAL	1196	

SAWING ASPHALT CONT.

STATION	LOCATION	690.0150 LF	REMARKS
628+10	STH 42 RT	21	DRIVEWAY REPLACEMENT
628+53	STH 42 LT	11	DRIVEWAY REPLACEMENT
629+43	STH 42 RT	16	DRIVEWAY REPLACEMENT
630+49	STH 42 RT	43	DRIVEWAY REPLACEMENT
632+30	STH 42 RT	33	DRIVEWAY REPLACEMENT
632+67	STH 42 RT	33	DRIVEWAY REPLACEMENT
633+06	STH 42 RT	14	DRIVEWAY REPLACEMENT
633+85	STH 42 RT	25	DRIVEWAY REPLACEMENT
635+04	STH 42 RT	11	DRIVEWAY REPLACEMENT
101+01	SUNSET DRIVE LT	91	DRIVEWAY REPLACEMENT
101+73	SUNSET DRIVE	23	CONSTRUCTION LIMITS
636+76	STH 42 LT	165	DRIVEWAY REPLACEMENT
638+85	STH 42 RT	52	DRIVEWAY REPLACEMENT
110+60	SCANDIA ROAD	38	CONSTRUCTION LIMITS
640+86	STH 42	38	CONSTRUCTION LIMITS
	MILL ROAD PARKING LOT	40	
	SUBTOTAL	654	
	PROJECT TOTAL	1850	

SAWING CONCRETE

STATION	LOCATION	690.0250 LF	REMARKS
600+00	STH 42 RT	2	CURB AND GUTTER
615+66	STH 42 LT	165	SIDEWALK REPLACEMENT - INCLUDES RETAINING WALL AT 614+95
616+42	STH 42 RT	83	SIDEWALK REPLACEMENT - LEAVE 3X5-FT PAD IN FRONT OF DOOR
617+19	STH 42 LT	64	SIDEWALK REPLACEMENT
618+03	STH 42 RT	105	SIDEWALK REPLACEMENT - INCLUDES RETAINING WALL AT 618+53
618+08	STH 42 LT	105	DRIVEWAY AND SIDEWALK REPLACEMENT
618+91	STH 42 RT	3	SIDEWALK REPLACEMENT
618+98	STH 42 RT	4	SIDEWALK REPLACEMENT
619+29	STH 42 LT	30	PATIO SAWCUT
90+56	MILL ROAD EAST	18	CONSTRUCTION LIMITS
80+26	MILL ROAD WEST	10	CONSTRUCTION LIMITS
623+36	STH 42 RT	3	PATH REPLACEMENT
624+20	STH 42 LT	5	PATH REPLACEMENT
625+74	STH 42 LT	7	PATH REPLACEMENT
626+39	STH 42 RT	4	PATH REPLACEMENT
626+63	STH 42 RT	23	DRIVEWAY REPLACEMENT
627+46	STH 42 LT	9	PATH REPLACEMENT
627+78	STH 42 LT	28	PATH REPLACEMENT
630+37	STH 42 RT	5	PAVEMENT REMOVAL
632+74	STH 42 LT	10	PATH REPLACEMENT
636+98	STH 42 RT	5	PATH REPLACEMENT
638+06	STH 42 RT	10	PATH REPLACEMENT
639+31	STH 42 RT	93	DRIVEWAY AND SIDEWALK REPLACEMENT
110+51	SCANDIA ROAD RT	33	DRIVEWAY REPLACEMENT
640+58	STH 42 LT	18	DRIVEWAY REPLACEMENT
	TOTAL	842	

3

ADJUSTING WATER VALVE BOX

SPV.0060.16

LOCATION	EACH	REMARKS
612+64, 29.7 LT	1	
615+35, 3.2 LT	1	
616+69, 10.7 LT	1	
616+73, 13.3 LT	1	
616+89, 5.1 LT	1	
616+93, 10 LT	1	
70+48, 12 LT	1	
619+17, 26.9 LT	1	LATERAL
619+65, 25.7 RT	1	LATERAL
622+56, 6.5 LT	1	
622+61, 20.1 LT	1	
622+68, 26.8 RT	1	
90+41, 28.4 LT	1	TO HYDRANT
622+81, 7.9 RT	1	
626+99, 8 RT	1	
627+04, 31.4 RT	1	TO HYDRANT
628+10, 34 LT	1	LATERAL
629+51, 8 RT	1	
630+76, 7.9 RT	1	
630+81, 27.8 RT	1	TO HYDRANT
630+81, 28.8 LT	1	LATERAL
632+87, 8 RT	1	
636+25, 3.7 RT	1	
636+29, 25.9 LT	1	
636+29, 32.2 LT	1	
640+10, 26.6 RT	1	
640+37, 22.2 RT	1	
TOTAL	27	

TIMBER FENCE

SPV.0090.09

STATION	TO	STATION	LOCATION	LF	REMARKS
608+05	-	609+93	STH 42 LT	175	
609+60	-	611+30	STH 42 RT	175	
610+45	-	611+44	STH 42 LT	110	
			TOTAL	460	

REMOVING TREE PROTECTORS

SPV.0060.13

STATION	LOCATION	EACH	REMARKS
625+45	29 RT	1	
625+66	29 RT	1	
625+86	29 RT	1	
	TOTAL	3	

REMOVING BRICK PAVERS

SPV.0165.02

STATION	LOCATION	SF	REMARKS
620+64	32 LT	205	
621+16	27 LT	193	
621+91	37 LT	122	
624+81	31 RT	72	
628+81	32 RT	218	
MILL ROAD PARKING LOT		7050	
	TOTAL	7860	

HANDRAIL SPECIAL

SPV.0090.15

STATION	LOCATION	LF	REMARKS
616+10	STH 42 LT	30	REPLACE EXISTING
	TOTAL	30	

REMOVING TIMBER LANDSCAPING WALL

SPV.0090.10

STATION	LOCATION	LF	REMARKS
611+93	50 LT	35	
614+55	22 RT	7	
614+85	29 LT	22	
615+00	23 RT	80	
617+49	29 LT	23	
621+67	31 RT	28	
621+69	35 LT	15	
622+10	26 RT	27	
	TOTAL	237	

SALVAGING AND SETTING BRICK PAVERS

STATION	LOCATION	SPV.0165.03 SF	SPV.0165.04 SF	REMARKS
621+91	37 LT	71	71	
624+81	31 RT	44	44	
628+81	32 RT	170	170	
	TOTAL	285	285	

ADJUSTING SANITARY MANHOLE COVER

SPV.0060.15

LOCATION	EACH	REMARKS
55+47, 26.5 RT	1	
41+76, 13.7 RT	1	
613+02, 16 LT	1	
615+33, 16 LT	1	
60+85, 15.5 LT	1	
617+07, 14.1 RT	1	
617+23, 16.6 LT	1	
620+22, 14.6 LT	1	
622+10, 15.5 LT	1	
622+59, 25.5 RT	1	
622+66, 16 RT	1	
626+58, 16 RT	1	
630+53, 16 RT	1	
633+84, 17.7 RT	1	
635+19, 13.8 RT	1	
636+34, 36.9 LT	1	
636+41, 12.6 RT	1	
636+63, 35 LT	1	
640+08, 19.6 RT	1	
TOTAL	19	

REMOVING LANDSCAPING WALL

SPV.0090.11

STATION	LOCATION	LF	REMARKS
603+08	32 LT	10	
611+65	50 LT	64	
611+96	29 LT	10	
614+77	25 RT	10	
622+24	32 RT	15	
625+45	29 RT	8	
625+66	29 RT	8	
625+86	29 RT	8	
	TOTAL	133	

3

SANITARY STRUCTURES

SANITARY MANHOLE NUMBER	STATION		LOCATION	ITEM NO. SPV.0060.02 SANITARY MANHOLE OUTSIDE DROP SPECIAL EACH	ITEM NO. SPV.0060.05 SANITARY MANHOLE SPECIAL EACH	ITEM NO. SPV.0060.01 SANITARY MANHOLE FRAME & LID SPECIAL EACH
49A	30+94.32	GATEWAY	44.06 RT	1	---	1
47A	31+02.26	GATEWAY	12.60 RT	1	---	1
45A	32+49.25	GATEWAY	1.70 RT	---	1	1
43A	52+40.42	STH 57	7.64 LT	---	1	1
TOTALS				**2**	**2**	**4**

SANITARY PIPE AND LATERALS

STRUCTURE FROM	STRUCTURE TO	ITEM NO. SPV.0090.05 SANITARY SEWER 8" PVC SPECIAL LF	ITEM NO. SPV.0090.06 SANITARY SEWER 10" PVC SPECIAL LF	ITEM NO. SPV.0090.07 SANITARY SEWER TELEVISING SPECIAL LF	ITEM NO. SPV.0090.08 SANITARY SEWER LATERAL 4-INCH SPECIAL LF	NOTES
49A	47A	10	43	43	---	ADDITIONAL 8" AND 10" FOR RECONNECTION TO EXISTING PIPES
47A	45A	---	149	149	---	
45A	43A	---	193	193	---	
43A	STA. 50+39.80	---	201	201	---	
LATERAL		---	---	---	42	LATERAL AT STATION 32+10 LT
TOTALS		**10**	**586**	**586**	**42**	

WATER PIPE AND SERVICES

LOCATION FROM	LOCATION TO	ITEM NO. SPV.0090.02 WATER MAIN 6-INCH DIP SPECIAL EACH	ITEM NO. SPV.0090.03 WATER MAIN 8-INCH DIP SPECIAL EACH	ITEM NO. SPV.0090.04 WATER MAIN 10-INCH DIP SPECIAL EACH	ITEM NO. SPV.0090.01 WATER SERVICE 1-INCH COPPER SPECIAL EACH	ITEM NO. SPV.0060.04 WATER SERVICE CONNECTION SET SPECIAL EACH	ITEM NO. SPV.0060.03 EXPOSING EXISTING WATER MAIN EACH	NOTES
30+87.27	30+92.01	---	27	---	---	---	---	
30+92.01	32+39.53	---	155	---	---	---	---	
32+39.53	33+30.40	---	89	---	---	---	---	
RELAY AND CONNECTION		---	33	---	---	---	---	CONNECTION TO AND RELAY OF EXISTING
WATER SEVICE		---	---	---	39	1	---	WATER SERVICE AT STATION 32+13 LT
601+55		---	30	---	---	---	1	PIPE QUANTITY TO BE USED ONLY IF CONFLICT IDENTIFIED
605+40		30	---	---	---	---	1	PIPE QUANTITY TO BE USED ONLY IF CONFLICT IDENTIFIED
615+50		---	---	30	---	---	1	PIPE QUANTITY TO BE USED ONLY IF CONFLICT IDENTIFIED
622+10		---	---	30	---	---	1	PIPE QUANTITY TO BE USED ONLY IF CONFLICT IDENTIFIED
622+90		---	---	30	---	---	1	PIPE QUANTITY TO BE USED ONLY IF CONFLICT IDENTIFIED
UNDISTRIBUTED		---	---	---	---	---	5	FOR LOCATING WATERMAIN TO DETERMINE IF INSULATION REQURIED.
TOTALS		**30**	**334**	**90**	**39**	**1**	**10**	

INSULATING WATER MAIN

LOCATION FROM	LOCATION TO	ITEM NO. 612.0902.S.01 INSULATION BOARD POLYSTYRENE, 2-INCH SY	ITEM NO. 612.0902.S.02 INSULATION BOARD POLYSTYRENE, 4-INCH SY	ITEM NO. 209.0100 BACKFILL GRANULAR CY	NOTES
601+55 RT	603+03 RT	65	---	110	WATER MAIN
601+55		---	2	---	BETWEEN WATER SERVICE AND STORM SEWER
603+55		---	2	---	BETWEEN WATER SERVICE AND STORM SEWER
605+40		---	2	---	BETWEEN WATER SERVICE AND STORM SEWER
606+80 RT	607+27 RT	23	---	40	WATER MAIN
607+80 RT	608+10 RT	13	---	25	WATER MAIN
STH 42 / STH 57 INTERSECTION		61	---	100	WATER MAIN
615+50		---	2	---	BETWEEN WATER MAIN AND STORM SEWER
616+00		---	2	---	BETWEEN WATER SERVICE AND STORM SEWER
618+40		---	2	---	BETWEEN WATER SERVICE AND STORM SEWER
619+41		---	2	---	BETWEEN WATER SERVICE AND STORM SEWER
619+65		---	2	---	BETWEEN HYDRANT LEAD AND STORM SEWER
621+08		---	2	---	BETWEEN WATER SERVICE AND STORM SEWER
622+10		---	2	---	BETWEEN WATER MAIN AND STORM SEWER
622+90		---	2	---	BETWEEN WATER MAIN AND STORM SEWER
628+06		---	2	---	BETWEEN WATER SERVICE AND STORM SEWER
637+21		---	2	---	BETWEEN WATER MAIN AND STORM SEWER
639+65		---	2	---	BETWEEN WATER MAIN AND STORM SEWER
101+25		---	2	---	BETWEEN WATER SERVICE AND STORM SEWER
54+85 'FS'	55+45 'FS'	47	---	75	WATER MAIN
TOTALS		**209**	**30**	**350**	

ALL ITEMS ON THIS SHEET ARE CATEGORY 0020

3

CONCRETE BASE AND DECORATIVE POLE QUANTITIES

POLE / LUMINAIRE NUMBER	STATION	LOCATION	ITEM NO. 654.0105 CONCRETE BASES TYPE 5* EACH	ITEM NO. SPV.0060.06 DECORATIVE LIGHT POLES AND ASSEMBLIES EACH
A1	624+86.33	30.58 LT	1	1
A2	623+09.45	30.58 LT	1	1
A3	621+75.89	30.58 LT	1	1
A4	620+30.00	30.58 LT	1	1
A5	618+87.05	30.58 LT	1	1
A6	617+20.89	30.58 LT	1	1
A7	616+20.89	30.58 LT	1	1
A8	614+82.58	30.58 LT	1	1
A9	613+13.21	30.58 LT	1	1
B1	623+93.51	30.58 RT	1	1
B2	622+09.97	30.58 RT	1	1
B3	620+73.77	30.58 RT	1	1
B4	618+69.95	22.58 RT	1	1
B5	617+40.91	22.58 RT	1	1
B6	615+63.98	22.58 RT	1	1
B7	613+73.78	26.94 RT	1	1
B8	611+93.63	33.58 RT	1	1
C1	626+56.10	30.58 LT	1	1
C2	628+44.27	30.58 LT	1	1
C3	630+19.09	30.58 LT	1	1
C4	631+95.55	30.58 LT	1	1
C5	634+09.00	30.58 LT	1	1
C6	635+79.85	30.58 LT	1	1
C7	637+69.89	30.58 LT	1	1
C8	639+56.27	30.58 LT	1	1
D1	625+66.52	30.58 RT	1	1
D2	627+58.51	30.58 RT	1	1
D3	629+29.98	29.58 RT	1	1
D4	631+00.47	30.58 RT	1	1
D5	632+94.67	30.58 RT	1	1
D6	634+72.75	30.58 RT	1	1
D7	636+80.04	30.58 RT	1	1
D8	638+58.21	30.58 RT	1	1
D9	640+63.72	30.58 RT	1	1
TOTALS			**34**	**34**

* TYPE 5 CONCRETE BASE ANCHOR BOLTS AND PATTERN MODIFIED TO MATCH DECORATIVE LIGHT POLE AND ASSEMBLIES. CONTRACTOR TO COORDINATE WITH DECORATIVE LIGHT POLE AND ASSEMBLIES MANUFACTURER.

CONDUIT AND WIRE QUANTITIES

FROM	TO *	ITEM NO. 652.0215 CONDUIT RIGID NON-METALLIC SCHEDULE 40 1 1/4-INCH LF	ITEM NO. 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	ITEM NO. 655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF	ITEM NO. 655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	ITEM NO. 655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	ITEM NO. 655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	ITEM NO. 655.0635 ELECTRICAL WIRE LIGHTING 2 AWG LF
CABINET	A1	123	---	286	143	---	143	286
A1	A2	177	---	396	198	---	198	396
A2	A3	134	---	308	154	---	154	308
A3	A4	146	---	334	167	---	167	334
A4	A5	143	---	328	164	---	164	328
A5	A6	131	---	304	152	---	152	304
A6	A7	136	---	312	156	---	156	312
A7	A8	139	318	---	159	---	159	318
A8	A9	170	380	---	190	---	---	380
CABINET	B1	154	---	350	175	---	175	350
B1	B2	184	---	408	204	---	204	408
B2	B3	137	---	314	157	---	157	314
B3	B4	204	---	450	225	---	225	450
B4	B5	130	---	300	150	---	---	450
B5	B6	177	396	---	198	---	---	594
B6	B7	191	422	---	211	211	422	---
B7	B8	181	402	---	201	---	402	---
CABINET	C1	148	---	336	168	---	168	336
C1	C2	189	---	418	209	---	209	418
C2	C3	175	---	392	196	---	196	392
C3	C4	177	---	394	197	---	197	394
C4	C5	214	---	468	234	---	234	468
C5	C6	171	---	384	192	---	192	384
C6	C7	191	422	---	211	---	211	422
C7	C8	187	414	---	207	---	---	414
CABINET	D1	21	---	---	84	42	---	126
D1	D2	192	---	426	---	213	---	639
D2	D3	172	---	384	---	384	---	384
D3	D4	171	---	382	---	---	---	---
D4	D5	195	---	430	215	---	215	430
D5	D6	179	---	398	199	---	199	398
D6	D7	208	---	456	---	---		456
D7	D8	179	---	398	398	---	398	---
D8	D9	206	---	452	226	---	452	---
TOTALS		**5632**	**2754**	**9808**	**5740**	**850**	**5549**	**11193**

* = WIRE IN THE POLE TO THE FIXTURE IS INCLUDED IN THE "TO" POLE.

LIGHTING CONTROL CABINETS AND BASES AND ELECTRICAL SERVICE METER BREAKER PEDESTALS

STATION	LOCATION	ITEM NO. 659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	ITEM NO. 654.0200 CONCRETE CONTROL CABINET BASES TYPE 6 EACH	ITEM NO. 656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL LS
625+45	RT	1	1	1
TOTALS		**1**	**1**	**1**

SALVAGED DECORATIVE LIGHT POLES

STATION	LOCATION	ITEM NO. SPV.0060.07 SALVAGED DECORATIVE LIGHT POLES EACH
90+43	RT	1
632+67	LT	1
633+60	LT	1
634+41	LT	1
635+30	LT	1
637+24	LT	1
638+18	LT	1
639+02	LT	1
639+87	LT	1
TOTALS		**9**

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS PROJECT 4610-06-71, ITEM NO. 650.8500

ITEM	LS
CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS PROJECT 4610-06-71	1

ALL ITEMS ON THIS SHEET ARE CATEGORY 0030

TRANSPORTATION PROJECT PLAT NO: 4610-06-21 – 4.01
AMENDMENT NO: 1

AMENDS PARCEL NO: 6 OF TRANSPORTATION PROJECT PLAT 4610-06-21-4.01 RECORDED AS DOCUMENT NO: 773120

THAT PART OF LOT 2 OF CSM NO. 876, LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 4 AND ALSO PART OF THE SW 1/4 OF THE SW 1/4, OF SECTION 5; ALSO THAT PART OF LOT 17, BLOCK 5 OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO.1, LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 4 OF SECTION 5; AND THAT PART OF COUNTRY WALK LTD. CONDOMINIUM LOCATED IN AND INCLUDING PART OF THE NE 1/4 OF THE NW 1/4 OF SECTION 8; AND ALSO PART OF THE NW 1/4 OF THE NW 1/4 OF SECTION 8, 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) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE 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.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT:
TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.34 DOC. 730335 GATEWAY DRIVE RE-ESTABLISHED FROM EXISTING PAVEMENT, VILLAGE OF SISTER BAY ASSESSOR'S PLAT No. 1, BIRCHWOOD LODGE CONDOMINIUM AND COUNTY GIS MAPPING.

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

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

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

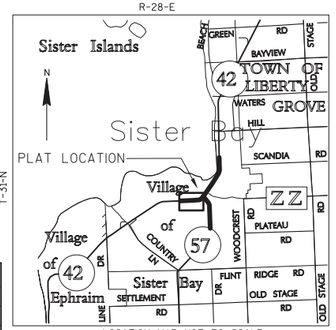
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	TLE ACRES OR S.F.	HE ACRES OR S.F.
1	BAYLAKE BANK	TLE		0.009	
2	CHAMPEAU FAMILY LIMITED PARTNERSHIP	TLE		0.010	
3	ST ROSALIA'S CATHOLIC CHURCH	TLE		0.096	
4	DENNIS G & LISA K VOIGHT	TLE		0.017	
6	COUNTRY WALK, LTD	HE, TLE		0.016	0.001
7	CHURCH HILL INN, INC	TLE		0.258	

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

FOUND EXISTING MONUMENTATION COORDINATE TABLE

STATION	OFFSET	Y	X	DESC.
600+65.95	-33.62'	286485.48	558164.87	IP
602+02.37	31.57'	286419.07	558300.70	IP
602+02.75	131.56'	286319.08	558300.18	IP
602+62.10	-134.68'	286584.77	558361.92	IP
602+62.53	-34.87'	286484.96	558361.45	IP
602+72.10	30.63'	286419.38	558370.44	IP
602+72.71	130.67'	286319.34	558370.15	IP
603+12.06	-134.87'	286584.51	558411.88	IP
603+12.48	-34.91'	286484.55	558411.40	IP
603+78.97	-35.62'	286484.66	558477.90	IP
606+66.94	28.78'	286417.68	558765.42	IP
606+83.68	-35.95'	286482.69	558780.80	IP
608+80.63	116.90'	286406.27	559030.76	IP
608+87.57	32.42'	286481.68	558991.78	IP

R-28-E



LOCATION MAP NOT TO SCALE

STATION OFFSET TABLE

POINT	STATION	OFFSET		Y	X
PRW601	602+83.00	31.26	R	286418.65	558381.33
PRW600	10CW+42.00	32.94	L	286408.30	558370.62
TLE303	600+23.00	33.67	L	286485.92	558121.92
TLE304	600+23.00	44.00	L	286496.25	558122.02
TLE324	600+45.00	42.00	R	286410.05	558143.24
TLE323	600+45.00	32.24	R	286419.81	558143.33
TLE306	600+63.00	33.84	L	286485.72	558161.92
TLE305	600+63.00	44.00	L	286495.89	558162.02
TLE364	601+15.00	42.00	R	286409.42	558213.24
TLE384	601+15.00	31.95	R	286419.47	558213.33
TLE307	601+31.00	34.12	L	286485.39	558229.92
TLE308	601+31.00	44.00	L	286495.27	558230.01
TLE310	601+76.00	34.30	L	286485.17	558274.92
TLE309	601+76.00	44.00	L	286494.87	558275.01
TLE326	601+92.00	31.63	R	286419.10	558290.33
TLE311	602+57.00	34.64	L	286484.78	558355.92
TLE312	602+62.51	39.83	L	286489.92	558361.48
TLE329	602+85.00	36.00	R	286413.89	558383.29
TLE328	603+10.00	36.00	R	286413.67	558408.29
TLE327	603+10.00	31.15	R	286418.52	558408.33
TLE314	603+12.49	45.00	L	286494.64	558411.50
TLE315	604+59.00	45.00	L	286493.33	558558.01
TLE316	604+59.00	51.00	L	286499.33	558558.06
TLE319	605+69.00	35.92	L	286483.26	558667.92
TLE313	605+69.00	51.00	L	286498.34	558668.06
TLE332	606+76.69	29.83	R	286416.73	558775.94
TLE333	606+76.15	52.48	R	286394.07	558775.83
TLE335	607+37.32	60.07	R	286393.72	558846.51
TLE334	607+35.81	69.46	R	286384.16	558846.46
TLE321	608+15.00	43.00	L	286514.51	558893.50
TLE320	608+15.00	33.01	L	286505.28	558897.31
TLE523	609+37.74	34.93	L	286565.41	558990.78
TLE322	609+39.33	43.00	L	286572.42	558986.52
TLE533	607+58.61	75.41	R	286384.03	558874.31
TLE534	607+52.68	105.82	R	286352.74	558874.16
TLE535	608+02.58	125.78	R	286352.41	558942.39
TLE536	608+06.30	113.07	R	286366.03	558942.46
TLE537	608+64.97	151.58	R	286365.60	559030.56
TLE325	10CW+42.00	37.06	R	286408.30	558300.62
TLE330	10CW+81.00	45.61	L	286369.30	558383.29
TLE331	10CW+81.00	32.75	L	286369.30	558370.44

COURSE TABLE C/L ALIGNMENT

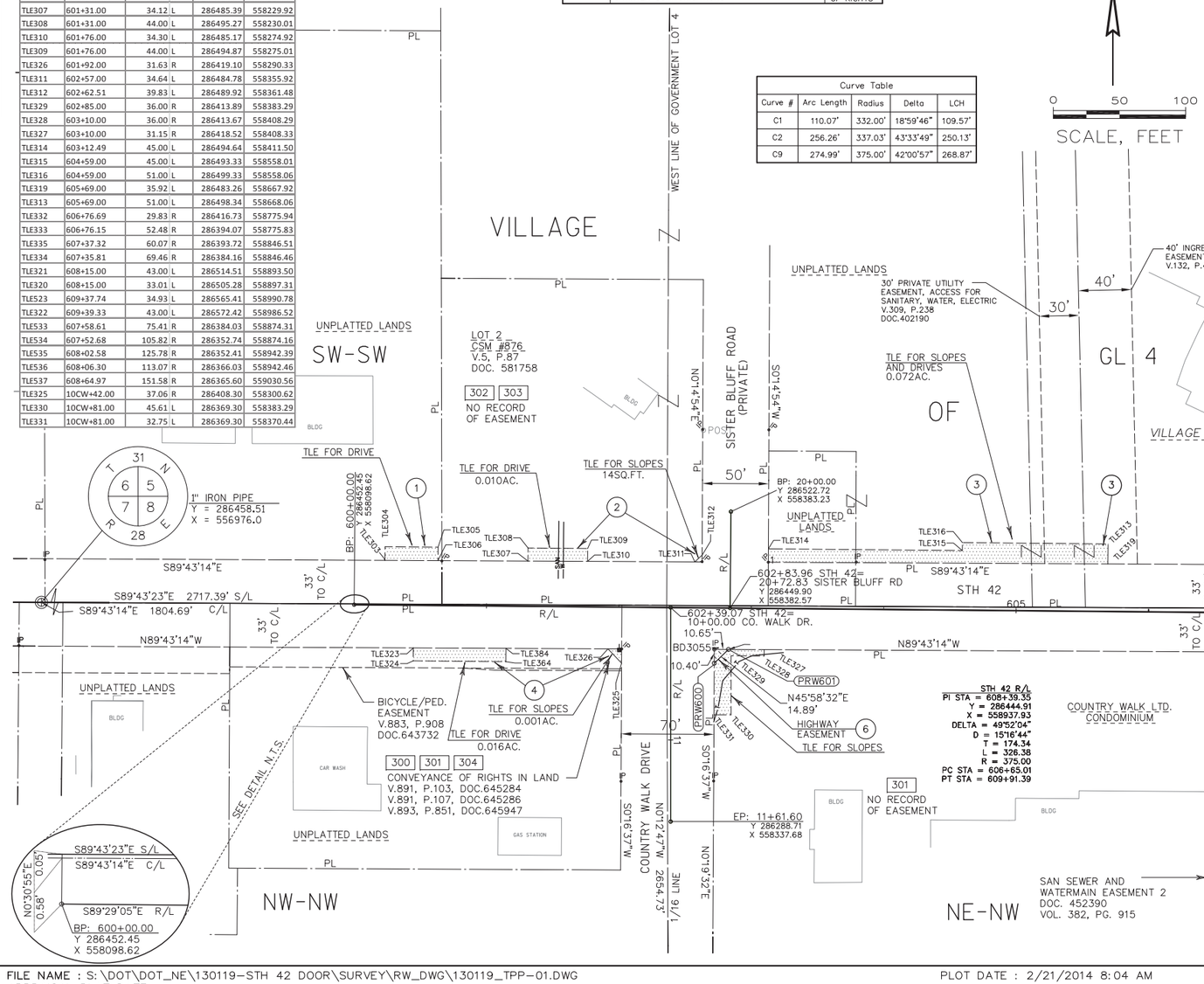
POINT TO POINT		BEARING	DISTANCE
SEC1079	PC3032	S89°43'14"E	1804.69'
*PC3032	POC3034	N68°29'52"E	250.13'

* INDICATES LCH AND LCB

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
300	WPS – ELECTRIC	RELEASE OF RIGHTS
301	VERIZON– TELEPHONE	RELEASE OF RIGHTS
302	VILLAGE OF SISTER BAY – WATERMAIN	RELEASE OF RIGHTS
303	VILLAGE OF SISTER BAY – SANITARY SEWER MAIN	RELEASE OF RIGHTS
304	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

Curve Table				
Curve #	Arc Length	Radius	Delta	LCH
C1	110.07'	332.00'	18°59'46"	109.57'
C2	256.26'	337.03'	43°33'49"	250.13'
C9	274.99'	375.00'	42°00'57"	268.87'



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 H.E. LINE	———	DOCUMENT	DOC.
PROPERTY LINE	———	HIGHWAY EASEMENT	H.E.
EASEMENT LINE	———	LAND CONTRACT	LC
CORPORATE LIMITS	———	MONUMENT	MON.
EXISTING CENTERLINE	———	PAGE	P.
LOT & TIE LINES	———	PERMANENT LIMITED EASEMENT	PLE
UTILITIES (TELEPHONE,GAS,ELECTRIC,CABLE TV,FIBER OPTIC)	——— FO (TYPE)	PROPERTY LINE	PL
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)	◆◆◆◆◆	RECORDED AS	(100')
ACCESS RESTRICTED (BY ACQUISITION)	|||||||	REFERENCE LINE	R/L
NO ACCESS (BY STATUTORY AUTHORITY)	●●●●●●●	REMAINING	REM.
FEE (HATCH VARIES)		RIGHT-OF-WAY	R/W
TEMPORARY LIMITED EASEMENT		SECTION	SEC.
PERMANENT LIMITED EASEMENT		SECTION LINE	S/L
PARCEL NUMBER	(102)	SQUARE FEET	SQ.FT.
UTILITY PARCEL NUMBER	(92)	STATION	STA.
SIGN NUMBER (OFF PREMISE)	21-	TEMPORARY LIMITED EASEMENT	TLE
BUILDING		VOLUME	V.
FOUND IRON PIPE/PIN	I,P (1" UNLESS NOTED)		
R/W MONUMENT	○ ●(SET)		
R/W STANDARD	△ ▲(SET)		
SIGN	ISIGN		
SECTION CORNER SYMBOL	N.T.S.		
WATERMAIN	——W——		
SANITARY SEWER	——SAN——		
TELEPHONE	——T——		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR 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, MICHAEL V. BECKER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4610-06-21 – 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL V. BECKER S-2574 PORT WASHINGTON WISCONSIN LAND SURVEYOR

SIGNATURE Michael V. Becker DATE 02/17/2014
MICHAEL V. BECKER, R.L.S. S-2574

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.
SIGNATURE Curt Van Erem DATE 2/21/2014
PRINT CURT VAN EREM

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4610-06-21-4.01
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN DOOR COUNTY, WISCONSIN AT 10:58AM ON MARCH 3, 2014 AS DOCUMENT # 777898 AND FILED IN Image 623

SIGNATURE OF REGISTER OF DEEDS

FILE NAME : S:\DOT\DOT_NE\130119-STH 42 DOOR\SURVEY\RW_DWG\130119_TPP-01.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 2/21/2014 8:04 AM PLOT BY : RAISA KHAYTINA PLOT NAME : PLOT SCALE : 1:50

4.01

TRANSPORTATION PROJECT PLAT NO: 4610-06-21 - 4.02

THAT PART OF LOT 1, BLOCK 4 AND LOT 15 & 16, BLOCK 5 OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 1, AND THAT PART OF LOT 1, BLOCK 3 OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 2, ALL LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 4 OF SECTION 5 AND THAT PART OF LOT 1 & 2, BLOCK 4 OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 2, AND THAT PART OF BIRCHWOOD LODGE CONDOMINIUM, ALL LOCATED IN AND INCLUDING PART OF THE NE 1/4 OF THE NW 1/4 OF SECTION 8, 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 PROJECT.

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

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.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT:
TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.34 DOC. 730335
VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 2 DOC. 761269
BIRCHWOOD LODGE CONDOMINIUM DECLARATION V. 762 P. 460 DOC. 614756
GATEWAY DRIVE ESTABLISHED FROM EXISTING PAVEMENT, VILLAGE OF SISTER BAY ASSESSOR'S PLAT No. 1, BIRCHWOOD LODGE CONDOMINIUM AND COUNTY GIS MAPPING.

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

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

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

COURSE TABLE C/L ALIGNMENT

POINT TO POINT		BEARING	DISTANCE
*POC3034	PI3033	N43°31'21"E	37.55'
PI3033	PI3035	N40°19'44"E	306.31'
PI3035	BD3047	N40°45'06"E	207.63'

* INDICATES LCH AND LCB

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	*OWNER	INTEREST REQUIRED
300	WPS ELECTRIC	RELEASE OF RIGHTS
301	VERIZON- TELEPHONE	RELEASE OF RIGHTS
302	VILLAGE OF SISTER BAY-WATERMAIN	RELEASE OF RIGHTS
303	VILLAGE OF SISTER BAY-SANITARY SEWER MAIN	RELEASE OF RIGHTS

FOUND EXISTING MONUMENTATION COORDINATE TABLE

STATION	OFFSET	Y	X	DESC.
608+87.57	32.42'	286481.68	558991.78	IP
609+20.86	144.66'	286415.20	559091.01	IP
609+53.97	95.08'	286481.24	559091.36	IP
609+75.09	-36.40'	286589.94	559014.05	IP
611+23.34	663.91'	286244.82	559641.18	IP
611+57.66	702.76'	286245.56	559693.01	IP
611+95.40	115.10'	286656.99	559271.72	IP
612+29.62	63.17'	286716.79	559254.61	IP
612+50.69	152.10'	286674.85	559335.81	IP 2IN
612+51.07	151.15'	286675.75	559335.34	IP
612+51.92	-101.18'	286840.76	559144.44	IP
612+58.70	27.68'	286761.97	559246.63	IP
612+59.33	-38.39'	286805.48	559196.91	IP
612+85.04	100.23'	286734.70	559318.83	IP 2IN
612+85.79	99.32'	286735.86	559318.63	IP
612+91.67	-105.90'	286874.00	559166.75	IP
612+99.63	-38.44'	286836.10	559223.12	IP
613+05.67	-31.45'	286836.12	559232.36	IP
613+06.97	-26.67'	286834.00	559236.83	IP PK
614+19.30	28.63'	286883.20	559351.96	IP

Curve Table

Curve #	Arc Length	Radius	Delta	LCH
C3	37.57'	337.03'	6°23'14"	37.55'
C10	51.39'	375.00'	7°51'07"	51.35'
C11	44.51'	370.03'	6°53'28"	44.48'
C12	45.91'	225.41'	11°40'12"	45.83'
C14	157.35'	162.14'	55°36'07"	151.25'
C15	33.89'	304.03'	6°23'14"	33.87'
C20	30.10'	332.00'	5°11'39"	30.09'
C21	66.80'	606.43'	6°18'42"	66.77'

STH 57 R/L
PI =51+11.39
Y = 286696.72
X = 559292.08
DELTA = 14°28'35"
D = 19°05'55"
T = 38.10
L = 75.80
R = 300.00
PC STA = 50+73.29
PT STA = 51+49.08

STH 57 R/L
PI STA = 57+96.49
Y = 286156.09
X = 559696.78
DELTA = 43°21'38"
D = 9°42'40"
T = 234.55
L = 446.50
R = 590.00
PC STA = 55+61.94
PT STA = 60+08.44

STH 57 R/L
PI STA = 52+70.09
Y = 286542.95
X = 559332.95
DELTA = 28°21'30"
D = 12°43'57"
T = 113.69
L = 222.73
R = 450.00
PC STA = 51+56.39
PT STA = 53+79.12

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	PLE ACRES	TLE ACRES
3	ST ROSALIA'S CATHOLIC CHURCH	FEE, TLE	0.001		0.331
8	GRUBE FAMILY, LLC	TLE			0.002
9	JOHN G & MARY ANN GUTERMAN	TLE			0.042
19	VILLAGE OF SISTER BAY	FEE, TLE	0.103		0.251
21	BIRCHWOOD LODGE CONDOMINIUM	FEE,PLE, TLE	0.009	0.061	0.230
22	JANE KAYSER	TLE			0.030

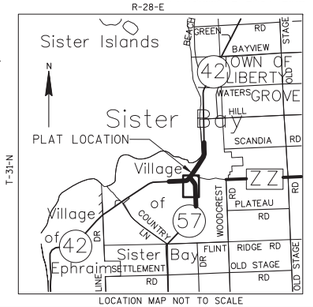
COURSE TABLE NEW RIGHT-OF-WAY

POINT TO POINT		BEARING	DIST.
BD3052	PRW653	S0°16'37"E	33.10'
PRW653	PRW652	S0°16'46"W	5.00'
PRW652	PRW651	N89°43'14"W	82.04'
PRW651	PRW650	N0°16'46"E	5.00'
PRW650	PRW602	N36°05'22"W	81.97'
PRW602	PRW603	N24°25'13"W	37.06'
PRW610	PRW611	N58°13'26"E	1.10'
PRW611	BD3048	N36°00'09"E	20.14'
PRW602	BD656	S89°43'14"E	170.66'
BD656	PRW654	N79°27'32"E	117.96'
PRW654	PRW655	S83°12'57"E	6.25'
*PRW655	BD657	S35°15'32"E	66.77'
*TLE523	POC3057	N43°31'21"E	33.88'
*POC3056	PRW603	S43°46'28"W	44.48'

* INDICATES LCH AND LCB

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

APPROXIMATE EAST LINE OF GOVERNMENT LOT 4



SW-SE

I, MICHAEL V. BECKER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4610-06-21 - 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN LAND SURVEYOR
MICHAEL V. BECKER
S-2574
PORT WASHINGTON, WISCONSIN

SIGNATURE Michael V. Becker DATE 09/12/2013
MICHAEL V. BECKER, R.L.S. S-2574

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.
SIGNATURE Curt Van Erem DATE 09/27/2013
PRINT CURT VAN EREM

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 H.E. LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MONUMENT	MON.
EXISTING CENTERLINE		PAGE	P.
LOT & TIE LINES		PERMANENT LIMITED EASEMENT	PLE
UTILITIES (TELEPHONE,GAS,ELECTRIC,CABLE TV,FIBER OPTIC)	FO (TYPE)	PROPERTY LINE	PL
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		RECORDED AS	(100')
ACCESS RESTRICTED (BY ACQUISITION)		REFERENCE LINE	R/L
NO ACCESS (BY STATUTORY AUTHORITY)		REMAINING	REM.
FEE (HATCH VARIES)		RIGHT-OF-WAY	R/W
TEMPORARY LIMITED EASEMENT		SECTION	SEC.
PERMANENT LIMITED EASEMENT		SECTION LINE	S/L
PARCEL NUMBER	102	SQUARE FEET	SQ.FT.
UTILITY PARCEL NUMBER	92	STATION	STA.
SIGN NUMBER (OFF PREMISE)	21	TEMPORARY LIMITED EASEMENT	TLE
BUILDING		VOLUME	V.
FOUND IRON PIPE/PIN	I.P (1" UNLESS NOTED)	CURVE DATA	
R/W MONUMENT	○ (SET)	LONG CHORD	LCH
R/W STANDARD	△ (SET)	LONG CHORD BEARING	LCB
SIGN	ISIGN	RADIUS	R
SECTION CORNER SYMBOL	N.T.S.	DEGREE OF CURVE	D
WATERMAIN	W	CENTRAL ANGLE OR DELTA	DELTA
SANITARY SEWER	SAN	LENGTH OF CURVE	L
TELEPHONE	T	TANGENT	TAN
ELECTRIC	E		

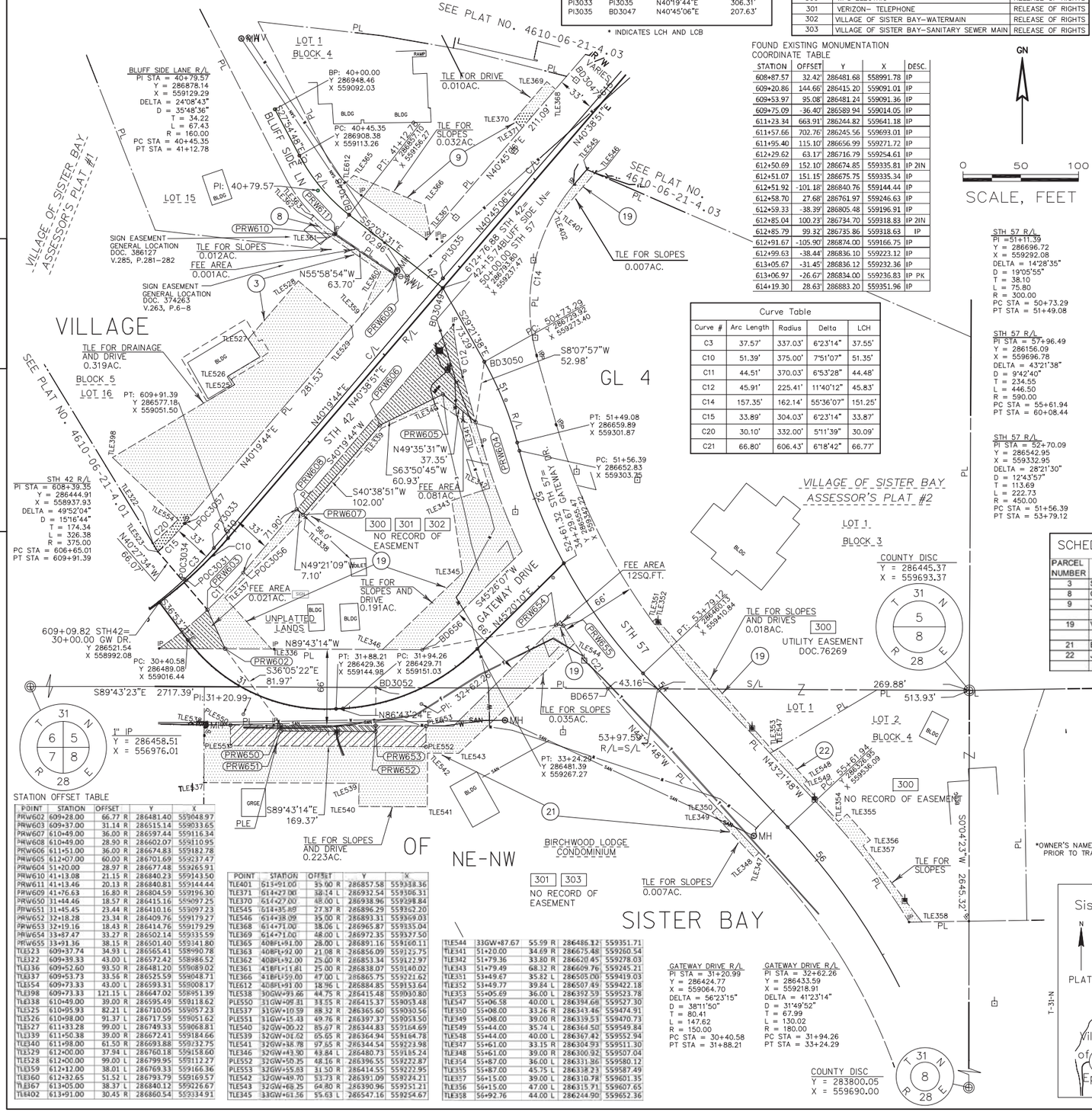
	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4610-06-21-4.02
AMENDMENT NO: ___

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN ___ DOOR ___ COUNTY, WISCONSIN AT 11:51 AM ON SEPTEMBER 30, 2013 AS DOCUMENT # 774475 AND FILED IN Hanger 634

SIGNATURE OF REGISTER OF DEEDS


SEE PLAT NO. 4610-06-21-4.03
LOT 1
BLOCK 4
BLUFF SIDE LANE R/L
PI STA = 40+79.57
Y = 286678.14
X = 559129.29
DELTA = 24°08'43"
D = 35°48'36"
T = 34.22
L = 67.43
R = 160.00
PC STA = 40+45.35
PT STA = 41+12.78
BP: 40+00.00
Y 286948.46
X 559092.03
PC: 40+45.35
Y 286908.38
X 559113.26
PT: 41+12.78
Y 286678.10
X 559156.27
TLE FOR DRIVE 0.010AC.
TLE FOR SLOPES 0.032AC.
VILLAGE OF SISTER BAY ASSESSOR'S PLAT #1
LOT 15
PI: 40+79.57
SIGN EASEMENT GENERAL LOCATION DOC. 386127 V.285, P.281-282
TLE FOR SLOPES 0.012AC.
FEE AREA 0.001AC.
SIGN EASEMENT GENERAL LOCATION DOC. 374263 V.263, P.6-8
TLE FOR SLOPES 0.007AC.
VILLAGE
TLE FOR DRAINAGE AND DRIVE 0.319AC.
BLOCK 5
LOT 16
PT: 609+91.39
Y 286577.18
X 559051.50
SEE PLAT NO. 4610-06-21-4.01
STH 42 R/L
PI STA = 608+39.35
Y = 286444.91
X = 558937.93
DELTA = 49°52'04"
D = 15°16'44"
T = 174.34
L = 326.38
R = 375.00
PC STA = 606+65.01
PT STA = 609+91.39
609+92.82 STH42= 30+00.00 GW DR.
Y 286521.54
X 558992.08
PC: 30+40.58
Y 286489.08
X 559016.44
PT: 31+88.21
Y 286429.36
X 559144.98
PC: 31+94.26
Y 286429.71
X 559151.03
PI: 31+20.99
1" IP
Y = 286458.51
X = 556976.01
TLE FOR SLOPES AND DRIVE 0.223AC.
TLE FOR SLOPES AND DRIVES 0.018AC.
UTILITY EASEMENT DOC.76269
FEE AREA 0.021AC.
UNPLATTED LANDS
TLE FOR SLOPES AND DRIVE 0.191AC.
NO RECORD OF EASEMENT
FEE AREA 0.081AC.
TLE FOR SLOPES 0.035AC.
TLE FOR SLOPES 0.007AC.
NO RECORD OF EASEMENT
BIRCHWOOD LODGE CONDOMINIUM
NO RECORD OF EASEMENT
TLE FOR SLOPES
SISTER BAY
OF
NE-NW
GL 4
STH 42
STH 57
GATEWAY DRIVE
66'
BD3052
BD3050
BD656
BD657
BD3049
PRW610
PRW611
PRW602
PRW603
PRW605
PRW606
PRW607
PRW650
PRW651
PRW652
PRW653
PRW654
PRW655
POC3056
POC3057
POC3034
POC3035
POC3036
POC3037
PI3033
PI3035
PC: 50+73.29
Y 286729.95
X 559273.40
PT: 51+49.08
Y 286659.89
X 559301.87
PC: 51+56.39
Y 286652.83
X 559303.25
PT: 53+79.12
Y 286460.65
X 559410.84
PT: 33+24.29
Y 286481.39
X 559267.27
PC: 55+61.94
Y 286206.98
X 559536.09
VILLAGE OF SISTER BAY ASSESSOR'S PLAT #2
LOT 1
BLOCK 3
COUNTY DISC
Y = 286445.37
X = 559693.37
LOT 1
LOT 2
BLOCK 4
COUNTY DISC
Y = 283800.05
X = 559690.00
GATEWAY DRIVE R/L
PI STA = 31+20.99
Y = 286424.77
X = 559064.70
DELTA = 56°23'15"
D = 38°11'50"
T = 80.41
L = 147.62
R = 150.00
PC STA = 30+40.58
PT STA = 31+88.21
GATEWAY DRIVE R/L
PI STA = 32+62.26
Y = 286433.59
X = 559218.91
DELTA = 41°23'14"
D = 31°49'52"
T = 67.99
L = 130.02
R = 180.00
PC STA = 31+94.26
PT STA = 33+24.29
S89°43'23"E 2717.39'
S89°43'14"E 169.37'
N89°43'14"W
S36°05'22"E 81.97'
N49°21'09"W 7.10'
S40°38'51"W 102.00'
N49°35'31"W 37.35'
S63°50'45"W 60.93'
S8°07'57"W 52.98'
S0°04'23"W 2645.32'
N40°19'44"E 281.53'
N40°38'51"E
N40°45'06"E
N43°21'48"W
S45°26'07"W 66.68'
N45°20'10"E
S20°31'51"E 102.96'
N55°58'54"W 63.70'
S22°54'48"E 211.09'
N40°35'51"E 211.09'
S0°16'37"E 33.10'
S0°16'46"W 5.00'
N89°43'14"W 82.04'
N0°16'46"E 5.00'
N36°05'22"W 81.97'
N24°25'13"W 37.06'
N58°13'26"E 1.10'
N36°00'09"E 20.14'
S89°43'14"E 170.66'
N79°27'32"E 117.96'
S83°12'57"E 6.25'
S35°15'32"E 66.77'
N43°31'21"E 33.88'
S43°46'28"W 44.48'
N43°27'34"W 66.07'
N86°43'24"E 43.16'
S89°43'14"E 269.88'
PL 513.93'
53+97.58 R/L=S/L
N43°21'48"W
S/L
Z
S6
S5
S4
TLE FOR SLOPES AND DRIVES 0.018AC.
TLE FOR SLOPES 0.035AC.
TLE FOR SLOPES 0.007AC.
TLE FOR SLOPES
TLE FOR SLOPES AND DRIVE 0.191AC.
TLE FOR SLOPES AND DRIVE 0.223AC.
TLE FOR DRIVE 0.010AC.
TLE FOR SLOPES 0.032AC.
TLE FOR SLOPES 0.012AC.
FEE AREA 0.001AC.
TLE FOR DRAINAGE AND DRIVE 0.319AC.
TLE FOR SLOPES 0.007AC.
TLE FOR SLOPES AND DRIVE 0.191AC.
TLE FOR SLOPES 0.035AC.
TLE FOR SLOPES AND DRIVES 0.018AC.
TLE FOR SLOPES AND DRIVE 0.223AC.
TLE FOR SLOPES 0.032AC.
TLE FOR SLOPES 0.012AC.
TLE FOR SLOPES 0.007AC.
TLE FOR SLOPES
TLE FOR SLOPES AND DRIVE 0.191AC.
TLE FOR SLOPES AND DRIVE 0.223AC.
TLE FOR SLOPES AND DRIVES 0.018AC.
TLE FOR SLOPES 0.035

TRANSPORTATION PROJECT PLAT NO: 4610-06-21 - 4.03

THAT PART OF LOT 1 & 2 OF CSM NO. 2672, THAT PART OF LOT 2 OF CSM NO. 408, THAT PART OF LOT 1, 2 & 4, BLOCK 3 AND LOT 2 & 3, BLOCK 4 OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 1, AND THAT PART OF LOT 1, BLOCK 1, AND LOTS 2 & 3, BLOCK 3 OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 2, ALL LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 4 OF SECTION 5, 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 PROJECT.

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

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.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT:
TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.34 DOC. 730335
VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 2 DOC. 761269
BIRCHWOOD LODGE CONDOMINIUM DECLARATION V. 762 P. 460 DOC. 614756
GATEWAY DRIVE ESTABLISHED FROM EXISTING PAVEMENT, VILLAGE OF SISTER BAY ASSESSOR'S PLAT No. 1, BIRCHWOOD LODGE CONDOMINIUM AND COUNTY GIS MAPPING.

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

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

FOUND EXISTING MONUMENTATION COORDINATE TABLE

STATION	OFFSET	Y	X	DESC.
615+91.90	-126.74'	287115.37	559346.51	IP
616+38.88	-37.11'	287092.16	559443.73	IP
616+41.58	-148.87'	287163.93	559358.01	IP
616+73.11	30.53'	287077.45	559518.04	IP
616+92.86	139.07'	287029.18	559617.50	IP
616+96.05	-35.13'	287135.09	559479.16	IP
617+48.09	129.21'	287083.08	559643.66	IP
618+93.55	-24.96'	287290.49	559600.01	IP
619+12.97	-35.15'	287312.26	559602.72	IP
619+43.17	-35.05'	287336.07	559619.27	IP
619+50.76	31.50'	287306.39	559679.31	IP
619+60.64	-34.55'	287350.48	559629.16	IP
620+83.80	-31.47'	287452.37	559700.21	IP

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

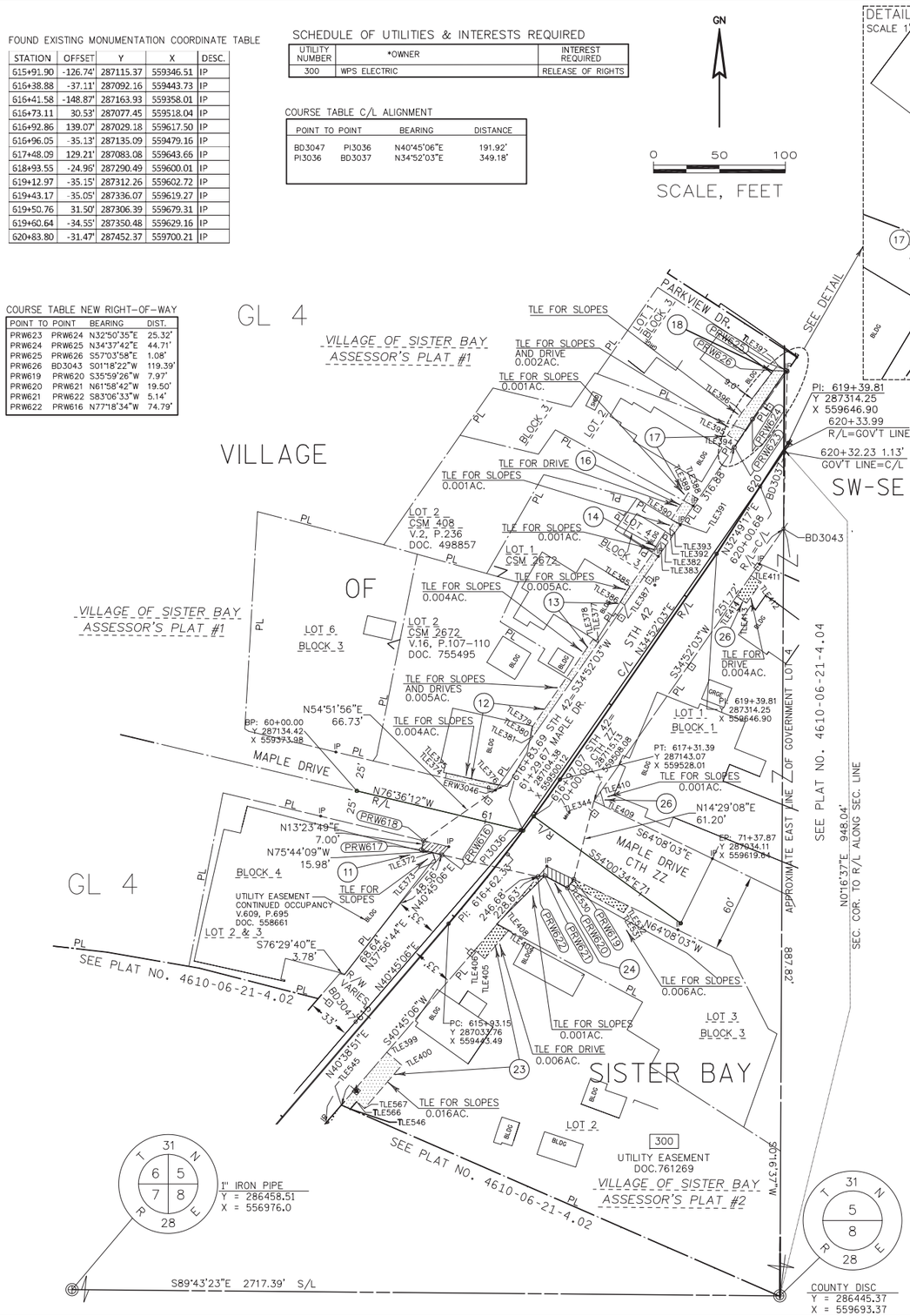
UTILITY NUMBER	*OWNER	INTEREST REQUIRED
300	WPS ELECTRIC	RELEASE OF RIGHTS

COURSE TABLE C/L ALIGNMENT

POINT TO POINT		BEARING	DISTANCE
BD3047	PI3036	N40°45'06"E	191.92'
PI3036	BD3037	N34°52'03"E	349.18'

COURSE TABLE NEW RIGHT-OF-WAY

POINT TO POINT		BEARING	DIST.
PRW623	PRW624	N32°50'35"E	25.32'
PRW624	PRW625	N34°37'42"E	44.71'
PRW625	PRW626	S57°03'58"E	1.08'
PRW626	BD3043	S01°18'22"W	119.39'
PRW619	PRW620	S35°59'26"W	7.97'
PRW620	PRW621	N61°58'42"W	19.50'
PRW621	PRW622	S83°06'33"W	5.14'
PRW622	PRW616	N77°18'34"W	74.79'


GN
0 50 100
SCALE, FEET
DETAIL
SCALE 1"=20'
PARKVIEW DR.
STH 42
SEE DETAIL
GL 4
VILLAGE OF SISTER BAY ASSESSOR'S PLAT #1
VILLAGE OF SISTER BAY ASSESSOR'S PLAT #2
SISTER BAY
MAPLE DRIVE
MAPLE DRIVE CTH ZZ
SEE PLAT NO. 4610-06-21-4.02
SEE PLAT NO. 4610-06-21-4.04
APPROXIMATE EAST LINE OF GOVERNMENT LOT 4
SEC. COR. TO R/L ALONG SEC. LINE
PI: 619+39.81
Y 287314.25
X 559646.90
620+33.99 R/L=GOV'T LINE
620+32.23 1.13' GOV'T LINE=C/L
SW-SE
PC: 615+93.15
Y 287037.76
X 559493.49
PT: 617+31.39
Y 287143.07
X 559528.01
BP: 60+00.00
Y 287134.42
X 559373.98
EP: 71+37.87
Y 287034.11
X 559619.64
TLE FOR SLOPES 0.001AC.
TLE FOR SLOPES AND DRIVE 0.002AC.
TLE FOR DRIVE 0.001AC.
TLE FOR SLOPES 0.004AC.
TLE FOR SLOPES 0.005AC.
TLE FOR SLOPES AND DRIVES 0.005AC.
TLE FOR SLOPES 0.016AC.
TLE FOR DRIVE 0.004AC.
TLE FOR SLOPES 0.006AC.
TLE FOR SLOPES 0.001AC.
TLE FOR DRIVE 0.006AC.
TLE FOR SLOPES 0.001AC.
LOT 1 CSM 2672
LOT 2 CSM 408 V.2, P.236 DOC. 498857
LOT 2 CSM 2672 V.16, P.107-110 DOC. 755495
LOT 6 BLOCK 3
LOT 1 BLOCK 1
LOT 2
LOT 3 BLOCK 3
BLOCK 4
BLOCK 3
UTILITY EASEMENT CONTINUED OCCUPANCY V.609, P.695 DOC 556661
300 UTILITY EASEMENT DOC.761269
1" IRON PIPE Y = 286458.51 X = 556976.0
COUNTY DISC Y = 286445.37 X = 559693.37
S89°43'23"E 2717.39' S/L
N0°16'37"E 948.04'
S0°16'37"W 882.82'
N54°51'56"E 66.73'
N76°36'12"W
N13°23'49"E 7.00'
N75°44'09"W 15.98'
S76°29'40"E 3.78'
N40°45'06"E 68.64'
N0°16'37"E 246.88'
S40°45'06"W 68.64'
N40°38'51"E 151.30'
S64°08'03"E 61.20'
N14°29'08"E 61.20'
S64°08'03"E
N64°08'03"W
S34°52'03"W
N34°52'03"E
S40°45'06"W
N40°45'06"E
N0°16'37"E 616+62.30
S0°16'37"W 617+62.69
N0°16'37"E 618+70.00
R/L
C/L
BD3043
BD3037
BD3047
BD3036
PI3036
PRW618
PRW617
PRW616
PRW626
PRW625
PRW624
PRW623
PRW622
PRW621
PRW620
PRW619
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TLE411

TRANSPORTATION PROJECT PLAT NO: 4610-06-21 - 4.04

THAT PART OF LOT 5 & 6, BLOCK 2, AND LOT 1 & 2, BLOCK 1, OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 1, LOCATED IN GOVERNMENT LOT 3 OF SECTION 5; ALSO THAT PART OF LOT 13, BLOCK 6, OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 2, LOCATED IN AND INCLUDING PART OF THE SW 1/4 OF THE SE 1/4 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.

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.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1"X24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

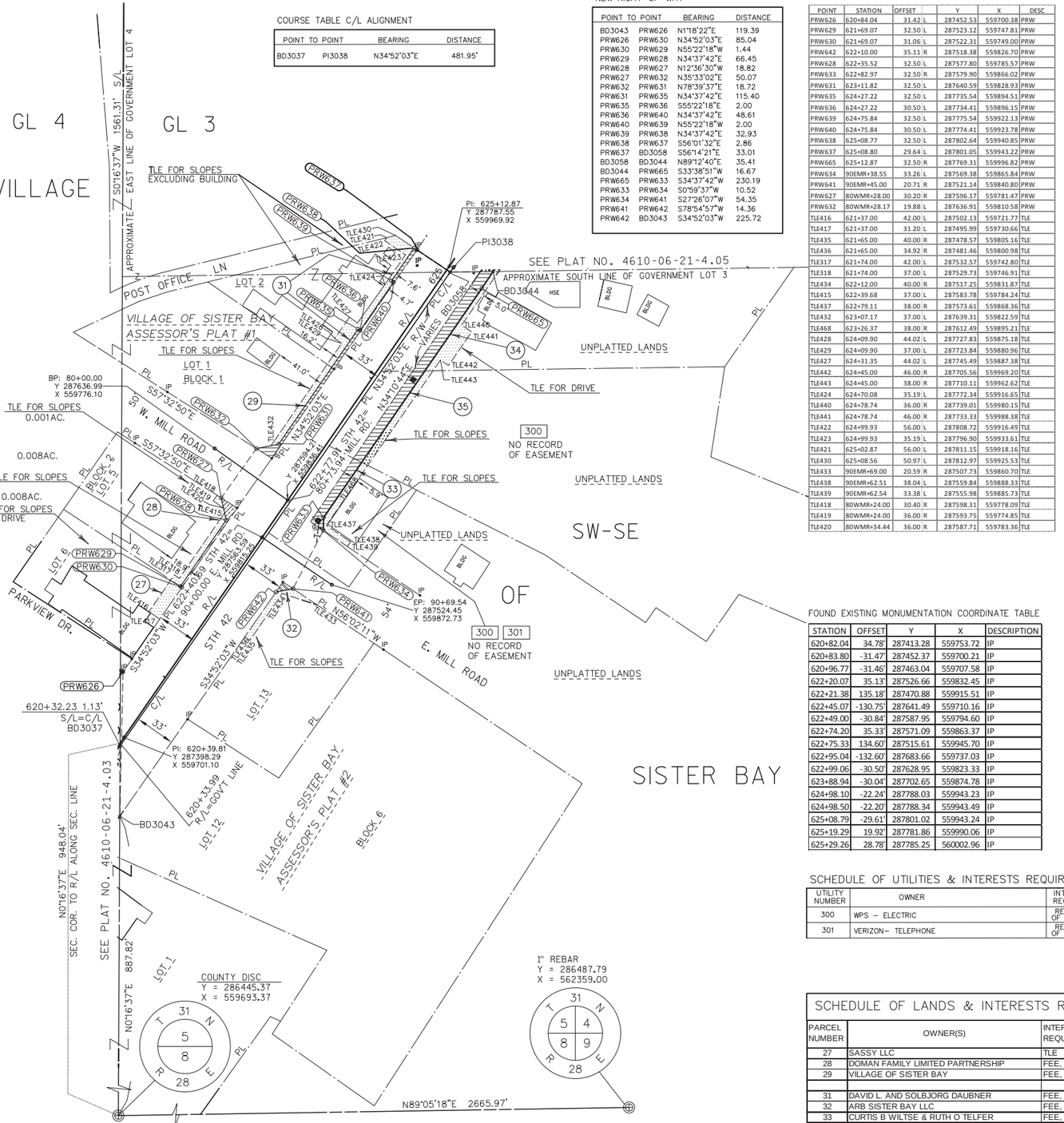
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT:
TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.35 AMENDMENT No. 1, DOC. 774152

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

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



COURSE TABLE C/L ALIGNMENT

POINT TO POINT		BEARING	DISTANCE
BD3037	PI3038	N34°52'03"E	481.95'

COURSE TABLE
NEW RIGHT-OF-WAY

POINT TO POINT		BEARING	DISTANCE
BD3043	PRW626	N1°18'22"E	119.39
PRW626	PRW630	N34°52'03"E	85.04
PRW630	PRW629	N55°22'18"W	1.44
PRW629	PRW628	N34°37'42"E	66.45
PRW628	PRW627	N12°36'30"W	18.82
PRW627	PRW632	N35°33'02"E	50.07
PRW632	PRW631	N78°39'37"E	18.72
PRW631	PRW635	N34°37'42"E	115.40
PRW635	PRW636	S55°22'18"E	2.00
PRW636	PRW640	N34°37'42"E	48.61
PRW640	PRW639	N55°22'18"W	2.00
PRW639	PRW638	N34°37'42"E	32.93
PRW638	PRW637	S56°01'32"E	2.86
PRW637	BD3058	S56°14'21"E	33.01
BD3058	BD3044	N89°12'40"E	35.41
BD3044	PRW665	S33°38'51"W	16.67
PRW665	PRW633	S34°37'42"W	230.19
PRW633	PRW634	S0°59'37"W	10.52
PRW634	PRW641	S27°26'07"W	54.35
PRW641	PRW642	S78°54'57"W	14.36
PRW642	BD3043	S34°52'03"W	225.72

STATION OFFSET TABLE

POINT	STATION	OFFSET	Y	X	DESC
PRW626	620+84.04	31.42' L	287452.53	559700.38	PRW
PRW629	621+69.07	32.50' L	287523.12	559747.81	PRW
PRW630	621+69.07	31.06' L	287522.31	559749.00	PRW
PRW642	622+10.00	35.11' R	287518.38	559826.70	PRW
PRW628	622+35.52	32.50' L	287577.80	559785.57	PRW
PRW633	622+82.97	32.50' R	287579.90	559866.02	PRW
PRW631	623+11.82	32.50' L	287640.59	559828.93	PRW
PRW635	624+27.22	32.50' L	287735.54	559894.51	PRW
PRW636	624+27.22	30.50' L	287734.41	559896.15	PRW
PRW639	624+75.84	32.50' L	287775.54	559922.13	PRW
PRW640	624+75.84	30.50' L	287774.41	559923.78	PRW
PRW638	625+08.77	32.50' L	287802.64	559940.85	PRW
PRW637	625+08.80	29.64' L	287801.05	559943.22	PRW
PRW665	625+12.87	32.50' R	287769.31	559996.82	PRW
PRW634	90EMR+38.55	33.26' L	287569.38	559865.84	PRW
PRW641	90EMR+45.00	20.71' R	287521.14	559840.80	PRW
PRW627	80WMR+28.00	30.20' R	287596.17	559781.47	PRW
PRW632	80WMR+28.17	19.88' L	287636.91	559810.58	PRW
TLE416	621+37.00	42.00' L	287502.13	559721.77	TLE
TLE417	621+37.00	31.20' L	287495.99	559730.66	TLE
TLE435	621+65.00	40.00' R	287478.57	559805.16	TLE
TLE436	621+65.00	34.92' R	287481.46	559800.98	TLE
TLE317	621+74.00	42.00' L	287532.57	559742.80	TLE
TLE318	621+74.00	37.00' L	287529.73	559746.91	TLE
TLE434	622+12.00	40.00' R	287517.25	559831.87	TLE
TLE415	622+39.68	37.00' L	287583.78	559784.24	TLE
TLE437	622+79.11	38.00' R	287573.61	559868.36	TLE
TLE432	623+07.17	37.00' L	287639.31	559822.59	TLE
TLE468	623+26.37	38.00' R	287612.49	559895.21	TLE
TLE428	624+09.90	44.02' L	287727.83	559875.18	TLE
TLE429	624+09.90	37.00' L	287723.84	559880.96	TLE
TLE427	624+31.35	44.02' L	287745.49	559887.38	TLE
TLE442	624+45.00	46.00' R	287705.56	559969.20	TLE
TLE443	624+45.00	38.00' R	287710.11	559962.62	TLE
TLE424	624+70.08	35.19' L	287772.34	559916.65	TLE
TLE440	624+78.74	36.00' R	287739.01	559980.15	TLE
TLE441	624+78.74	46.00' R	287733.33	559988.38	TLE
TLE422	624+99.93	56.00' L	287808.72	559916.49	TLE
TLE423	624+99.93	35.19' L	287796.90	559933.61	TLE
TLE421	625+02.87	56.00' L	287811.15	559918.16	TLE
TLE430	625+08.56	50.97' L	287812.97	559925.53	TLE
TLE433	90EMR+69.00	20.59' R	287507.73	559860.70	TLE
TLE438	90EMR+62.51	38.04' L	287559.84	559888.33	TLE
TLE439	90EMR+62.54	33.38' L	287555.98	559885.73	TLE
TLE418	80WMR+24.00	30.40' R	287598.31	559778.09	TLE
TLE419	80WMR+24.00	36.00' R	287593.75	559774.85	TLE
TLE420	80WMR+34.44	36.00' R	287587.71	559783.36	TLE

FOUND EXISTING MONUMENTATION COORDINATE TABLE

STATION	OFFSET	Y	X	DESCRIPTION
620+82.04	34.78'	287413.28	559753.72	IP
620+83.80	-31.47'	287452.37	559700.21	IP
620+96.77	-31.46'	287463.04	559707.58	IP
622+20.07	35.13'	287526.66	559832.45	IP
622+21.38	135.18'	287470.88	559915.51	IP
622+45.07	-130.75'	287641.49	559710.16	IP
622+49.00	-30.84'	287587.95	559794.60	IP
622+74.20	35.33'	287571.09	559863.37	IP
622+75.33	134.60'	287515.61	559945.70	IP
622+95.04	-132.60'	287683.66	559737.03	IP
622+99.06	-30.50'	287628.95	559823.33	IP
623+88.94	-30.04'	287702.65	559874.78	IP
624+98.10	-22.24'	287788.03	559943.23	IP
624+98.50	-22.20'	287788.34	559943.49	IP
625+08.79	-29.61'	287801.02	559943.24	IP
625+19.29	19.92'	287781.86	559990.06	IP
625+29.26	28.78'	287785.25	560002.96	IP

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
300	WPS – ELECTRIC	RELEASE OF RIGHTS
301	VERIZON– TELEPHONE	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

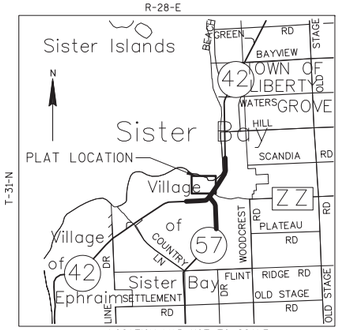
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	TLE ACRES OR S.F.
27	SASSY LLC	TLE		0.008
28	DOMAN FAMILY LIMITED PARTNERSHIP	FEE, TLE	0.005	0.009
29	VILLAGE OF SISTER BAY	FEE, TLE	0.006	0.008
31	DAVID L. AND SOLBJORG DAUBNER	FEE, TLE	0.005	0.019
32	ARB SISTER BAY LLC	FEE, TLE	0.001	0.008
33	CURTIS B WILTSE & RUTH O TELFER	FEE, TLE	0.011	0.010
34	REBECCA FRUENDT	FEE, TLE	0.019	0.016
35	INVESTMENTS LLC	FEE, TLE	0.016	0.012

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

GN

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SCALE, FEET



LOCATION MAP NOT TO SCALE

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 H.E. LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MONUMENT	MON.
EXISTING CENTERLINE		PAGE	P.
LOT & TIE LINES		PERMANENT LIMITED EASEMENT	PLE
UTILITIES (TELEPHONE,GAS,ELECTRIC,CABLE TV,FIBER OPTIC)	FO (FIBER OPTIC)	PROPERTY LINE	PL
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		RECORDED AS	(100')
ACCESS RESTRICTED (BY ACQUISITION)		REFERENCE LINE	R/L
NO ACCESS (BY STATUTORY AUTHORITY)		REMAINING	REM.
FEE (HATCH VARIES)		RIGHT-OF-WAY	R/W
TEMPORARY LIMITED EASEMENT		SECTION	SEC.
PERMANENT LIMITED EASEMENT		SECTION LINE	S/L
PARCEL NUMBER	102	SQUARE FEET	SQ.FT.
UTILITY PARCEL NUMBER	92	STATION	STA.
SIGN NUMBER (OFF PREMISE)	21-3	TEMPORARY LIMITED EASEMENT	TLE
BUILDING		VOLUME	V.
FOUND IRON PIPE/PIN	I.P (1" UNLESS NOTED)	CURVE DATA	
R/W MONUMENT	○ •(SET)	LONG CHORD	LCH
R/W STANDARD	△ •(SET)	LONG CHORD BEARING	LCB
SIGN	SIGN	RADIUS	R
SECTION CORNER SYMBOL	N.T.S.	DEGREE OF CURVE	D
		CENTRAL ANGLE OR DELTA	DELTA
		LENGTH OF CURVE	L
		TANGENT	TAN

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
WATERMAIN	—W—	
SANITARY SEWER	—SAN—	
TELEPHONE	—T—	

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

I, MICHAEL V. BECKER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4610-06-21 - 4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL V. BECKER S-2574 PORT WASHINGTON WISCONSIN LAND SURVEYOR

SIGNATURE Michael V. Becker DATE 11/06/2013
MICHAEL V. BECKER, R.L.S. S-2574

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.
SIGNATURE Curt Van Erem DATE 11/18/2013
PRINT CURT VAN EREM

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4610-06-21-4.04
AMENDMENT NO: ___

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN Door COUNTY, WISCONSIN AT 2:41 PM ON Nov 20, 2013 AS DOCUMENT # 775755 AND FILED IN Hanover 640
SIGNATURE OF REGISTER OF DEEDS

FILE NAME : S:\DOT\DOT_NE\130119-STH 42 DOOR\SURVEY\RW_DWG\130119_TPP-01.DWG
APPRAISAL PLAT DATE : _____
PLOT DATE : 11/14/2013 2:49 PM PLOT BY : RAISA KHAYTINA PLOT NAME : PLOT SCALE : 1:50

4.04

TRANSPORTATION PROJECT PLAT NO: 4610-06-21 - 4.05 AMENDMENT NO:1

AMENDS PARCEL NO: 36 OF TRANSPORTATION PROJECT PLAT 4610-06-21-4.05 RECORDED AS DOCUMENT NO: 775754

THAT PART OF UNPLATTED LANDS LOCATED IN GOVERNMENT LOT 3 OF SECTION 5; ALSO THAT PART OF LOT 53, OF SPRING GROVE PLAT LOCATED IN GOVERNMENT LOT 2 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.

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.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1"X24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT:TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.35 AMENDMENT No. 1, DOC. 774152

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

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

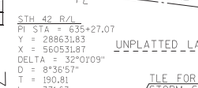
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	TLE ACRES OR S.F.
29	VILLAGE OF SISTER BAY	FEE, TLE	0.253	0.960
36	MATTHEW B & NANCY MYRE	TLE		0.014
37	AXEL A. JOHNSON A/K/A AXEL ALBERT JOHNSON A/K/A AL JOHNSON AND INGERT M JOHNSON A/K/A INGRET MARIA JOHNSON	FEE, TLE	0.076	0.153
38	GREGORY K & DEBORAH L CASPERSON	FEE, TLE	0.024	0.046
39	ANNIKA JOHNSON	FEE, TLE	0.011	0.014
41	SWITCH HOSPITALITY OF WISCONSIN LLC	FEE, TLE	0.010	0.020
42	MARINA VIEW LLC	FEE, TLE	0.038	0.021
43	JODY C & HEATHER A OLSON	FEE, TLE	0.041	0.075
44	ADVANTAGE COMMUNITY BANK	TLE		0.012
46	DENNIS G & SUSAN R BHIRDO	TLE		0.016
47	RAELYNN INVESTMENTS	TLE		0.009

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

0 50 100 ℄

SCALE, FEET

Curve Table				
Curve #	Arc Length	Radius	Delta	LCH
C5	347.22'	636.62'	31°14'59"	342.93'
C6	258.58'	5729.58'	2°35'09"	258.55'
C7	37.04'	697.50'	3°02'34"	37.04'
C8	353.47'	632.50'	32°01'09"	348.88'
C16	171.94'	697.50'	14°07'27"	171.51'
C17	14.72'	669.62'	1°15'36"	14.72'
C18	174.64'	625.00'	16°00'34"	174.07'
C19	70.26'	615.00'	6°32'44"	70.22'
C22	30.24'	701.00'	2°28'18"	30.24'
C23	35.79'	711.50'	2°52'56"	35.79'
C24	98.38'	699.50'	8°03'31"	98.30'
C25	104.53'	688.35'	8°42'01"	104.43'
C26	83.02'	694.50'	6°50'56"	82.97'



FOUND EXISTING MONUMENTATION COORDINATE TABLE

STATION	OFFSET	Y	X	DESCRIPTION
625+29.26	28.78'	287785.25	560002.96	IP
627+91.85	-19.84'	288030.78	560107.98	IP
628+11.15	-23.55'	288048.91	560115.59	IP
629+95.35	28.71'	288173.29	560261.15	IP SIN IP BENT
629+95.43	28.75'	288173.34	560261.23	IP
630+89.36	-19.29'	288278.15	560273.29	IP
630+90.06	23.13'	288255.22	560308.98	IP SIDEWALK
630+90.08	23.12'	288255.24	560308.99	IP
630+91.60	28.53'	288253.51	560314.33	IP
633+39.98	36.26'	288456.17	560458.49	IP IP W\DOT CAP
633+40.36	-29.81'	288492.78	560403.49	IP IP W\ DOTCAP
633+64.69	25.67'	288483.69	560463.35	IP SIN
633+69.84	-20.80'	288512.04	560426.16	IP
633+69.84	-20.80'	288512.04	560426.16	IP
633+70.44	21.77'	288490.80	560463.06	IP
634+60.46	24.47'	288572.65	560507.47	IP SIN
636+26.87	34.78'	288736.71	560564.46	IP W\DOT CAP
636+27.28	134.75'	288722.23	560663.37	IP W\DOT CAP
636+27.30	28.40'	288738.11	560558.21	IP
636+86.50	33.66'	288799.15	560569.94	IP W\DOT CAP
637+57.49	34.65'	288871.16	560573.34	IP
638+45.61	-23.98'	288960.91	560517.24	IP 6406
638+87.46	-30.07'	289002.91	560512.34	IP W\CAP
639+76.39	23.40'	289090.29	560568.31	IP
639+76.91	-19.54'	289092.03	560525.40	IP
640+42.62	35.60'	289155.91	560582.73	IP W\DOT CAP
640+43.05	36.89'	289156.30	560584.04	IP

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 H.E. LINE		DOCUMENT	DOC.
PROPERTY LINE		HIGHWAY EASEMENT	H.E.
EASEMENT LINE		LAND CONTRACT	LC
CORPORATE LIMITS		MONUMENT	MON.
EXISTING CENTERLINE		PAGE	P.
LOT & TIE LINES		PERMANENT LIMITED EASEMENT	PLE
UTILITIES (TELEPHONE,GAS,ELECTRIC,CABLE TV,FIBER OPTIC)	F.O. (TYPE)	PROPERTY LINE	PL
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		RECORDED AS	(100')
ACCESS RESTRICTED (BY ACQUISITION)		REFERENCE LINE	R/L
NO ACCESS (BY STATUTORY AUTHORITY)		REMAINING	REM.
FEE (HATCH VARIES)		RIGHT-OF-WAY	R/W
TEMPORARY LIMITED EASEMENT		SECTION	SEC.
PERMANENT LIMITED EASEMENT		SECTION LINE	S/L
PARCEL NUMBER	102	SQUARE FEET	SQ.FT.
UTILITY PARCEL NUMBER	32	STATION	STA.
SIGN NUMBER (OFF PREMISE)	21-1	TEMPORARY LIMITED EASEMENT	TLE
BUILDING		VOLUME	V.
FOUND IRON PIPE/PIN (1" UNLESS NOTED)	↓IP		
R/W MONUMENT	○ •(SET)		
R/W STANDARD	△ ▲(SET)		
SIGN	ISIGN		
SECTION CORNER SYMBOL	N.T.S.		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
WATERMAIN	W	
SANITARY SEWER	SAN	
TELEPHONE	T	

COURSE TABLE NEW RIGHT-OF-WAY

POINT TO POINT		BEARING	DISTANCE
BD1087	ERW1088	S1°12'29"W	25.01
ERW1088	ERW1092	S1°51'32"W	105.90
ERW1092	ERW1093	S2°23'07"W	201.05
ERW1093*	PRW645	S3°00'55"W	14.72
PRW645	PRW646	S58°13'13"E	17.54
PRW646	PRW647	S81°35'08"E	125.56
PRW647	PRW648	S10°00'52"W	11.01
PRW648	BD1089	S10°00'52"W	30.01
BD1089	PRW644	N81°35'07"W	116.11
PRW644	PRW643	S7°30'51"W	27.52
PRW643*	PRW682	S16°41'38"W	171.51
PRW682	PRW681	N66°14'39"W	3.00
PRW681*	PRW680	S27°10'49"W	82.97
PRW680	PRW679	S59°23'43"E	3.00
PRW679*	PRW678	S32°07'34"W	37.04
PRW678	PRW677	S33°38'51"W	148.23
PRW677	PRW676	N56°21'09"W	2.00
PRW676	PRW683	S31°30'43"W	26.33
PRW683	PRW675	S39°27'20"W	9.13
PRW675	PRW674	S51°04'27"E	1.95
PRW674	PRW673	S33°38'51"W	218.83
PRW673	PRW672	N56°21'09"W	2.00
PRW672	PRW671	S33°38'51"W	111.90
PRW671	PRW670	S56°21'09"E	2.00

* INDICATES LCH AND LCB

STATION OFFSET TABLE

POINT	STATION	OFFSET		Y	X
PRW658	625+25.81	29.60	L	287814.72	559952.45
PRW659	625+25.83	32.50	L	287816.34	559950.04
PRW667	626+12.69	30.50	R	287853.75	560050.62
PRW666	626+12.69	32.50	R	287852.64	560052.29
PRW668	626+44.00	30.50	R	287879.81	560067.97
PRW669	626+44.00	32.50	R	287878.70	560069.63
PRW671	628+21.72	30.50	R	288027.76	560166.44
PRW670	628+21.72	32.50	R	288026.65	560168.11
PRW672	629+33.63	30.50	R	288120.92	560228.44
PRW673	629+33.63	32.50	R	288119.81	560230.11

STATION OFFSET TABLE

POINT	STATION	OFFSET		Y	X	DESC
PRW674	631+52.46	32.50	R	288301.97	560351.36	PRW
PRW675	631+52.64	30.56	R	288303.20	560349.84	PRW
PRW683	631+61.72	31.48	R	288310.25	560355.65	PRW
PRW676	631+88.03	30.50	R	288332.70	560369.41	PRW
PRW677	631+88.03	32.50	R	288331.59	560371.07	PRW
PRW660	633+36.26	32.50	L	288491.00	560399.09	PRW
PRW678	633+36.26	32.50	R	288454.99	560453.20	PRW
PRW680	633+71.58	29.50	R	288487.88	560470.32	PRW
PRW679	633+71.58	32.50	R	288486.35	560472.90	PRW
PRW681	634+51.07	29.50	R	288561.69	560508.22	PRW
PRW682	634+51.07	32.50	R	288560.48	560510.96	PRW
PRW643	636+15.00	32.50	R	288724.76	560560.23	PRW
PRW645	636+72.53	33.97	R	288784.49	560569.21	PRW
PRW661	637+07.89	32.50	L	288823.49	560504.80	PRW
PRW662	639+85.55	32.50	L	289101.13	560512.70	PRW
PRW663	640+14.71	32.50	L	289130.37	560513.71	PRW
PRW664	640+14.74	29.92	L	289130.32	560516.29	PRW
PRW646	100SNT+48.70	26.45	L	288775.26	560584.12	PRW
PRW644	100SNT+57.00	14.56	R	288733.48	560586.33	PRW
PRW647	101SNT+74.00	19.77	L	288756.88	560708.33	PRW
PRW648	101SNT+74.00	8.77	L	288746.05	560706.41	PRW

STATION OFFSET TABLE

POINT	STATION	OFFSET		Y	X	DESC
TLE463	625+25.96	56.01	L	287829.48	559930.55	TLE
TLE431	625+29.59	55.98	L	287832.48	559932.58	TLE
TLE569	625+86.77	55.52	L	287879.83	559964.65	TLE
TLE670	625+88.95	55.52	L	287881.64	559965.86	TLE
TLE462	625+88.96	185.00	L	287953.40	559858.08	TLE
TLE464	625+89.88	36.00	R	287831.71	560042.56	TLE
TLE465	625+89.88	50.00	R	287823.96	560054.21	TLE
TLE466	626+15.33	50.00	R	287845.14	560068.31	TLE
TLE470	626+36.02	47.00	R	287864.02	560077.28	TLE
TLE521	626+48.33	35.00	L	287919.71	560015.84	TLE
TLE520	626+48.33	125.00	L	287969.57	559940.92	TLE
TLE460	627+02.45	35.00	L	287964.76	560045.83	TLE
TLE459	627+02.45	48.00	L	287971.97	560035.01	TLE
TLE461	627+09.46	125.00	L	288020.46	559974.79	TLE
TLE568	627+09.46	185.00	L	288053.71	559924.84	TLE
TLE458	627+62.17	42.40	L	288018.58	560072.76	TLE
TLE457	627+62.17	48.00	L	288021.68	560068.10	TLE
TLE455	627+88.98	40.33	L	288039.74	560089.33	TLE
TLE456	627+88.98	42.40	L	288040.89	560087.61	TLE
TLE473	628+24.76	47.00	R	288021.15	560181.86	TLE
TLE522	628+42.68	40.33	L	288084.46	560119.09	TLE
TLE524	628+42.68	186.87	L	288165.65	559997.10	TLE
TLE453	628+69.43	34.68	L	288103.59	560138.62	TLE
TLE454	628+69.43	163.58	L	288175.01	560031.31	TLE
TLE557	628+78.63	187.32	L	288195.82	560016.64	TLE
TLE481	629+30.12	46.50	R	288109.13	560239.82	TLE
TLE483	629+56.00	36.31	R	288136.32	560245.67	TLE
TLE482	629+56.00	46.50	R	288130.67	560254.16	TLE
TLE487	630+35.00	36.31	R	288202.09	560289.45	TLE
TLE486	630+35.00	46.50	R	288196.44	560297.93	TLE
TLE558	630+67.16	151.79	L	288333.08	560150.68	TLE
TLE559	631+05.60	150.02	L	288364.10	560173.45	TLE
TLE560	631+50.12	149.81	L	288401.05	560198.30	TLE
TLE561	631+51.15	136.46	L	288394.50	560209.98	TLE
TLE485	631+51.16	46.50	R	288293.14	560362.30	TLE
TLE562	631+65.17	114.19	L	288393.83	560236.28	TLE
TLE563	631+65.17	134.55	L	288405.11	560219.34	TLE
TLE484	631+83.32	36.00	R	288325.73	560371.37	TLE
TLE491	632+12.72	36.00	R	288350.20	560387.66	TLE
TLE490	632+12.72	46.50	R	288344.38	560396.40	TLE
TLE452	632+67.44	34.68	L	288434.91	560359.14	TLE
TLE556	632+67.44	40.00	L	288437.86	560354.71	TLE
TLE488	633+18.01	36.00	R	288437.85	560446.00	TLE
TLE489	633+18.01	46.50	R	288432.03	560454.74	TLE
TLE407	633+36.26	36.00	R	288453.05	560456.12	TLE

STATION OFFSET TABLE

POINT	STATION	OFFSET		Y	X	DESC
TLE571	633+36.26	40.00	L	288495.16	560392.85	TLE
TLE495	633+68.55	36.00	R	288481.82	560474.28	TLE
TLE494	633+68.55	46.50	R	288476.44	560483.29	TLE
TLE492	634+02.00	34.50	R	288513.24	560490.28	TLE
TLE493	634+02.00	46.50	R	288507.61	560500.87	TLE
TLE499	634+95.53	34.50	R	288603.08	560530.19	TLE
TLE498	634+95.53	46.26	R	288599.07	560541.24	TLE
TLE496	635+14.95	38.14	R	288621.24	560540.32	TLE
TLE497	635+14.95	46.12	R	288618.74	560547.90	TLE
TLE447	635+22.08	40.00	L	288652.08	560468.18	TLE
TLE446	635+22.08	50.00	L	288655.11	560458.65	TLE
TLE451	635+98.05	50.00	L	288723.14	560476.07	TLE
TLE564	635+98.05	75.29	L	288728.01	560451.25	TLE
TLE503	636+13.88	36.96	R	288722.84	560564.42	TLE
TLE565	636+54.98	80.46	L	288778.46	560453.69	TLE
TLE450	636+55.52	67.67	L	288777.56	560466.46	TLE
TLE508	636+75.86	54.55	R	288786.41	560590.00	TLE
TLE504	636+99.59	56.82	R	288811.94	560593.78	TLE
TLE506	637+09.73	40.00	R	288823.27	560577.33	TLE
TLE507	637+09.73	52.83	R	288822.90	560590.15	TLE
TLE448	637+62.96	43.00	L	288778.83	560564.42	TLE
TLE449	637+62.96	65.29	L	288879.47	560473.60	TLE
TLE517	638+62.43	40.00	R	288975.90	560581.67	TLE
TLE516	638+62.43	49.00	R	288975.65	560590.66	TLE
TLE403	638+75.90	43.00	L	288991.73	560499.08	TLE
TLE510	638+75.90	85.00	L	288992.92	560457.10	TLE
TLE555	639+35.93	41.31	L	289051.68	560502.48	TLE
TLE515	639+35.93	85.00	L	289052.92	560458.81	TLE
TLE511	639+47.90	36.48	R	289061.43	560580.58	TLE
TLE512	639+47.90	49.00	R	289061.08	560593.09	TLE
TLE444	640+71.00	31.06	L	289186.58	560517.09	TLE
TLE445	640+71.00	41.00	L	289186.92	560507.16	TLE
TLE500	101SNT+44.64	18.85	R	288720.44	560674.48	TLE
TLE501	101SNT+44.07	25.33	R	288714.01	560673.53	TLE
TLE502	100SNT+51.06	21.06	R	288727.92	560579.51	TLE
TLE509	101SNT+74.00	31.66	L	288768.59	560710.39	TLE

COURSE TABLE NEW RIGHT-OF-WAY

POINT TO POINT		BEARING	DISTANCE
PRW670	PRW669	S33°38'51"W	177.72
PRW669	PRW668	N56°21'09"W	2.00
PRW668	PRW667	S33°38'51"W	31.31
PRW667	PRW666	S56°21'09"E	2.00
PRW666	BD3044	S33°38'51"W	83.43
BD3044	BD3058	S89°12'40"W	35.41
BD3058	PRW658	N29°37'35"W	36.83
PRW658	PRW659	N56°01'32"W	2.90
PRW659	PRW660	N33°38'51"E	810.44
PRW660*	PRW661	N17°38'16"E	348.88
PRW661	PRW662	N1°37'42"E	277.75
PRW662	PRW663	N1°58'46"E	29.26
PRW663	PRW664	S88°49'19"E	2.58
PRW664	BD1087	N89°28'27"E	66.03

* INDICATES LCH AND LCB

STATION OFFSET TABLE

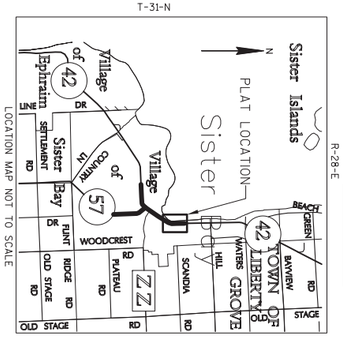
POINT	STATION	OFFSET		Y	X	DESC
TLE571	633+36.26	40.00	L	288495.16	560392.85	TLE
TLE495	633+68.55	36.00	R	288481.82	560474.28	TLE
TLE494	633+68.55	46.50	R	288476.44	560483.29	TLE
TLE492	634+02.00	34.50	R	288513.24	560490.28	TLE
TLE493	634+02.00	46.50	R	288507.61	560500.87	TLE
TLE499	634+95.53	34.50	R	288603.08	560530.19	TLE
TLE498	634+95.53	46.26	R	288599.07	560541.24	TLE
TLE496	635+14.95	38.14	R	288621.24	560540.32	TLE
TLE497	635+14.95	46.12	R	288618.74	560547.90	TLE
TLE447	635+22.08	40.00	L	288652.08	560468.18	TLE
TLE446	635+22.08	50.00	L	288655.11	560458.65	TLE
TLE451	635+98.05	50.00	L	288723.14	560476.07	TLE
TLE564	635+98.05	75.29	L	288728.01	560451.25	TLE
TLE503	636+13.88	36.96	R	288722.84	560564.42	TLE
TLE565	636+54.98	80.46	L	288778.46	560453.69	TLE
TLE450	636+55.52	67.67	L	288777.56	560466.46	TLE
TLE508	636+75.86	54.55	R	288786.41	560590.00	TLE
TLE504	636+99.59	56.82	R	288811.94	560593.78	TLE
TLE506	637+09.73	40.00	R	288823.27	560577.33	TLE
TLE507	637+09.73	52.83	R	288822.90	560590.15	TLE
TLE448	637+62.96	43.00	L	288778.83	560564.42	TLE
TLE449	637+62.96	65.29	L	288879.47	560473.60	TLE
TLE517	638+62.43	40.00	R	288975.90	560581.67	TLE
TLE516	638+62.43	49.00	R	288975.65	560590.66	TLE
TLE403	638+75.90	43.00	L	288991.73	560499.08	TLE
TLE510	638+75.90	85.00	L	288992.92	560457.10	TLE
TLE555	639+35.93	41.31	L	289051.68	560502.48	TLE
TLE515	639+35.93	85.00	L	289052.92	560458.81	TLE
TLE511	639+47.90	36.48	R	289061.43	560580.58	TLE
TLE512	639+47.90	49.00	R	289061.08	560593.09	TLE
TLE444	640+71.00	31.06	L	289186.58	560517.09	TLE
TLE445	640+71.00	41.00	L	289186.92	560507.16	TLE
TLE500	101SNT+44.64	18.85	R	288720.44	560674.48	TLE
TLE501	101SNT+44.07	25.33	R	288714.01	560673.53	TLE
TLE502	100SNT+51.06	21.06	R	288727.92	560579.51	TLE
TLE509	101SNT+74.00	31.66	L	288768.59	560710.39	TLE

COURSE TABLE C/L ALIGNMENT

POINT TO POINT		BEARING	DISTANCE
PI3038	PC3039	N33°38'06"E	826.00'
*PC3039	PT3040	N18°00'37"E	342.93'
PT3040	PC3041	N02°23'07"E	201.05'
*PC3041	PT3042	N01°05'33"E	258.55'

* INDICATES LCH AND LCB

T-31-N



LOCATION MAP NOT TO SCALE

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
300	WPS - ELECTRIC	RELEASE OF RIGHTS
301	VERIZON- TELEPHONE	RELEASE OF RIGHTS
302	VILLAGE OF SISTER BAY - WATERMAIN	RELEASE OF RIGHTS
303	VILLAGE OF SISTER BAY - SANITARY SEWER MAIN	RELEASE OF RIGHTS

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

I, MICHAEL V. BECKER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4610-06-21 - 4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN MICHAEL V. BECKER S-2574 PORT WASHINGTON WISCONSIN LAND SURVEYOR

SIGNATURE Michael V. Becker DATE 11/06/2013
MICHAEL V. BECKER, R.L.S. S-2574

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE Curt Van Erem DATE 3/17/2014
PRINT CURT VAN EREM

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4610-06-21-4.05
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN Door COUNTY, WISCONSIN AT 12:27 PM ON March 25, 2014 AS DOCUMENT # 778377 AND FILED IN Hanger 641

SIGNATURE/OF REGISTER OF DEEDS

FILE NAME : S:\DOT\DOT_NE\130119-STH 42 DOOR\SURVEY\RW_DWG\130119_TPP-01.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 3/13/2014 10:11 AM PLOT BY : RAISA KHAYTINA PLOT NAME : PLOT SCALE :

4.05

EXISTING LANDSCAPING WALL (TO REMAIN)

STA 600+46 LT DRIVEWAY (ASPHALTIC SURFACE)

STA 601+53 LT DRIVEWAY (ASPHALTIC SURFACE)

EXISTING LANDSCAPING WALL (TO REMAIN)

CONSTRUCTION LIMITS 20+21SB

SISTER BLUFF DR

BP: 20+00.00SB

EXISTING R/W

N

MATCH LINE 604+30.00

CONCRETE SIDEWALK 4-INCH

TLE

DRIVEWAY REMOVED

SLOPE INTERCEPT

BP: 600+00.00FT

BEGIN PROJECT 600+00FT

Y = 286452.455
X = 558098.622

Y = 286464.508
X = 558037.169

601+00FT

602+00FT

603+00FT

604+00FT

605+00FT

STH 42

BP: 10+00.00CW

STA 602+83.96 FT= STA 20+72.83 SB

EP: 20+72.83SB

STA 602+39.07 FT= STA 10+00.00 CW

22'

S0° 30' 55"W

S0° 00' 00"E

PROPOSED HIGHWAY EASEMENT

BIKE PATH

STA 600+67 RT DRIVEWAY (ASPHALTIC SURFACE)

GRADE TO DRAIN

CONSTRUCTION LIMITS 10+73CW

LEGEND

STAMPED CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE BROWN

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
626	603+35 RT	CHISELED "X" ON SE BOLT FIRE HYDRANT	710.26

EXISTING GROUND

-0.60%

FINISHED PROFILE ON ℄

STA 600+00.00 EL 712.31

VPC STA 602+40.20FT VPC EL 710.87

VPI STA 602+92.70FT VPI EL 710.55

VPT STA 603+45.20FT VPT EL 709.38

VCL = 105.00

K = 64.39

EXISTING GRADE (TYP)

PROPOSED GRADE (TYP)

710.00

705.00

700.00

600 601 602 603 604

712.31 712.31
711.96 712.01
711.70 711.71
711.50 711.41
711.35 711.11
711.15 710.80
710.83 710.23
710.07 709.27
708.73 708.16
707.92 707.49

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 42	SHEET 249	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050101_PP.DWG PLOT DATE : 3/1/2015 1:02 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

DRIVEWAY REMOVED

STA 605+30 LT
DRIVEWAY (ASPHALTIC SURFACE)

CONCRETE SIDEWALK 4-INCH

SLOPE INTERCEPT

SLOPE INTERCEPT

PI STA = 608+39.35FT
Y = 286444.907
X = 558937.934
DELTA = 49°52'04"
D = 15°16'44"
T = 174.34'
L = 326.38'
R = 375.00'
RUNOFF = 77'
SE = 0.04%
SE TRANSITION = 116'
PC STA = 606+65.01FT

TIMBER FENCE

STA 609+09.82 FT=
STA 30+00.00 GW

CONCRETE PEDESTRIAN CURB. SEE CURB RAMP DETAILS.

CONCRETE PEDESTRIAN CURB SEE CONSTRUCTION DETAILS

CONCRETE SIDEWALK 4-INCH

STA 607+95 RT
DRIVEWAY (ASPHALTIC SURFACE)

LEGEND

STAMPED CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE BROWN

604+00FT
605+00FT
606+00FT
607+00FT
608+00FT
609+00FT
610+00FT
609+80.00
PT: 609+91.82FT
PC: 606+65.01FT
PP: 30+00.00GW
PC: 30+40.58GW
604+30.00
MATCH LINE
STH 42
BIKE PATH
GATEWAY DR
31+00GW
PROPOSED R/W
EXISTING R/W
TLE
14'
14'

EXISTING GROUND

VPI STA 608+44.67FT
VPI EL 698.241

VPT STA 609+67.17FT
VPT EL 685.38

IDENTICAL POINT

IDENTICAL POINT

VPC STA 607+22.17FT
VPC EL 700.97

FINISHED PROFILE ON ℄

-2.23%

VCL = 245.00
K = 29.63

EXISTING GRADE (TYP)

PROPOSED GRADE (TYP)

710.00
705.00
700.00
695.00
690.00
685.00
684.00

604 605 606 607 608 609

708.73 708.16
707.38 707.04
706.01 705.93
704.93 704.81
704.14 703.70
703.59 702.58
702.93 701.47
702.07 700.22
701.01 698.21
699.07 695.36
696.56 691.67
692.52 687.13
689.46 684.03

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 42	SHEET 250	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050101_PP.DWG PLOT DATE : 3/1/2015 1:01 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44

STA 610+11 LT
DRIVEWAY (ASPHALTIC SURFACE TO 10 FEET BEHIND SIDEWALK AND BASE AGGREGATE DENSE 1 1/4-INCH BEHIND ASPHALTIC SURFACE)

TIMBER FENCE

CONCRETE SIDEWALK 4-INCH

SLOPE INTERCEPT

PTE: 609+91.39FT

609+82 FT=
0.00 GW

ALIGNMENT FOR DRIVEWAY FOR STH 42 STA 611+44 LT

610+00FT

611+00FT

612+00FT

613+00FT

614+00FT

615+00FT

STH 42

200+00

201+09

STA 611+43 LT
DRIVEWAY (ASPHALTIC SURFACE)

TLE

PROPOSED R/W

EXISTING R/W

CONCRETE PEDESTRIAN CURB. SEE CURB RAMP DETAILS.

BP: 50+00.00FS

EP: 42+15.74BL

BLUFFSIDE LN

42+00BL

STA 612+76.88 FT=
STA 42+15.74 BL

STA 612+76.88 FT=
STA 50+00.00 FS

SLOPE INTERCEPT

STA 41+32 LT
PARKING AREA (ASPHALTIC SURFACE)

STA 614+49 LT
DRIVEWAY (ASPHALTIC SURFACE)

INSTALL SHREDDED HARDWOOD BULK MULCH

SLOPE INTERCEPT

MATCH LINE
615+30.00

REPLACE CONCRETE TO FACE OF BUILDING OR WALL

CONCRETE SIDEWALK 4-INCH

EXISTING R/W

TLE

609+80.00

MATCH LINE

SLOPE INTERCEPT

CONCRETE SIDEWALK 4-INCH

TIMBER FENCE

LEGEND

STAMPED CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE BROWN

PC: 50+73.23FT

CONCRETE SIDEWALK 4-INCH

STA 614+66 RT
DRIVEWAY (ASPHALTIC SURFACE)

START MODULAR BLOCK WALL SEE CONSTRUCTION DETAILS

CONCRETE SIDEWALK 4-INCH

SLOPE INTERCEPT

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
627	612+55 LT	CHISELED "X" ON SE BURY BOLT FIRE HYDRANT	654.55

EXISTING GROUND

FINISHED PROFILE ON ℄

IDENTICAL POINT

-10.50%

EXISTING GRADE (TYP)

PROPOSED GRADE (TYP)

VPC STA 612+58.36FT
VPC EL 654.80

VPI STA 613+10.86FT
VPI EL 649.291

VPT STA 613+63.36FT
VPT EL 643.25

VCL = 105.00
K = 105.00

-11.50%

VPC STA 614+33.76FT
VPC EL 635.16

VCL = 240.00
K = 28.14

695.00 685.00 675.00 665.00 650.00 640.00

690.00 680.00 670.00 660.00 645.00 635.00

685.00 675.00 665.00 655.00 640.00 630.00

681.00 671.00 660.00 650.00 635.00 625.00

610 611 612 613 614 615

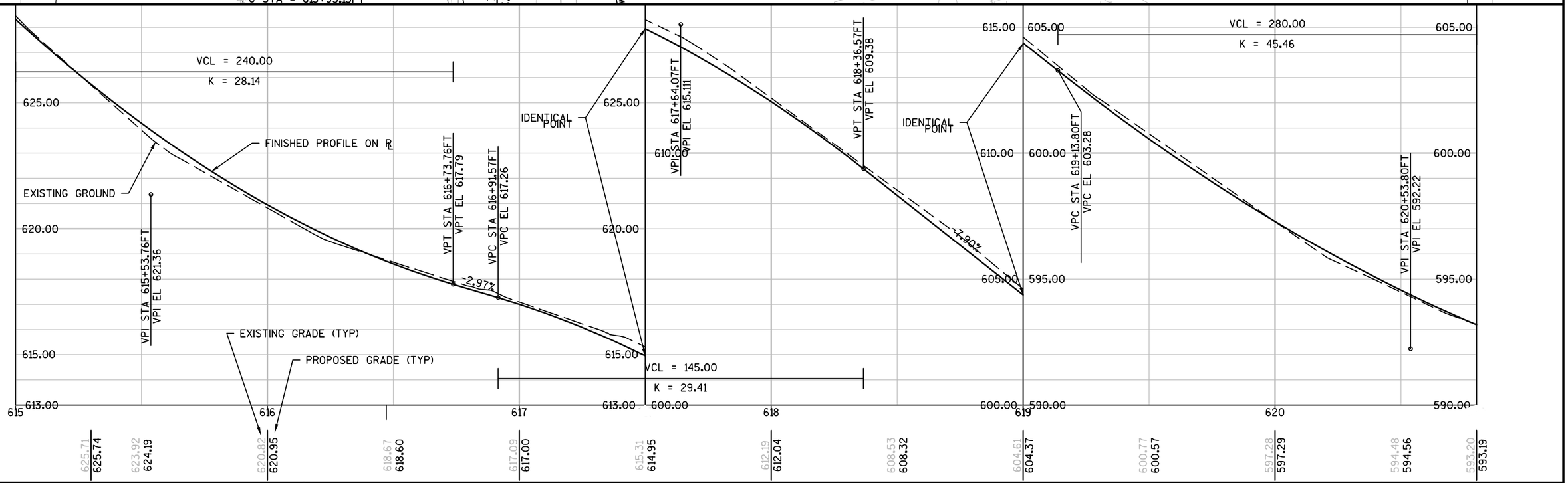
689.46 684.03 | 687.09 681.93 | 681.26 676.68 | 675.21 671.43 | 669.44 666.18 | 662.96 660.93 | 656.77 655.68 | 650.94 650.35 | 645.05 644.78 | 639.19 639.04 | 633.65 633.34 | 628.46 628.32 | 625.71 625.74

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 42	SHEET 251	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050101_PP.DWG PLOT DATE : 3/1/2015 1:03 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44

SLOPE INTERCEPT
STA 60+78 LT
PARKING AREA
(ASPHALTIC SURFACE)
CONCRETE STEP AND
HANDRAIL FOR STEPS
SEE CONSTRUCTION DETAILS
REPLACE CONCRETE TO
FACE OF BUILDING OR WALL
MATCH LINE
EXISTING R/W
PROPOSED R/W
TLE
MAPLE DR
S76° 36' 11"E
CONSTRUCTION LIMITS
60+63MA
TRANSITION GUTTER
SEE CONSTRUCTION DETAIL
SLOPE INTERCEPT
REPLACE CONCRETE TO
FACE OF BUILDING OR STEPS
STA 617+65 LT
DRIVEWAY (CONCRETE
SURFACE)
SEE NON-DEPRESSED
DRIVEWAY DETAIL.
SAFETY FENCE
REQUIRED
STA 617+92 LT
DRIVEWAY (CONCRETE
SURFACE)
SEE NON-DEPRESSED
DRIVEWAY DETAIL.
REMOVE EXISTING
DRIVEWAY ACCESS
EXISTING WALL
(TO REMAIN)
CONCRETE SIDEWALK
4-INCH
SLOPE INTERCEPT
EXISTING CONCRETE PATIO
(REMOVAL BY OTHERS)
EXISTING CONCRETE PATIO
AND RETAINING WALL
(REMOVAL BY OTHERS)
STA 620+91 LT
DRIVEWAY (ASPHALTIC
SURFACE)
MATCH LINE
620+80.00
PC: 615+93.15FT
PI: 617+31.39FT
PI: 619+39.81FT
PI: 620+39.81FT
INSTALL MODULAR
BLOCK WALL WITH
CONFIGURATION MATCHING
EXISTING WALL
615+00FT
STH 42
616+00FT
CONCRETE
PEDESTRIAN CURB
SEE CONSTRUCTION DETAILS
S76° 36' 11"E
STA 616+83.69 FT=
STA 61+29.67 MA
617+00FT
CONCRETE
PEDESTRIAN CURB
SEE CONSTRUCTION DETAILS
618+00FT
619+00FT
STA 619+50 LT
DRIVEWAY (ASPHALTIC
SURFACE)
620+00FT
621+00FT
STH 42
PP: 70+00.00ZZ
STA 616+97.07 FT=
STA 70+00.00 ZZ
PP: 617+31.57MA
S54° 00' 34"E
CTH ZZ
EXISTING R/W
CONCRETE SIDEWALK
4-INCH
SLOPE INTERCEPT
END MODULAR BLOCK WALL
SEE CONSTRUCTION DETAILS
615+30.00
MATCH LINE
STA 616+00 RT
DRIVEWAY (ASPHALTIC
SURFACE)
PI STA = 616+62.33FT
Y = 287086.249
X = 559488.552
DELTA = 5°52'02"
D = 4°14'39"
T = 69.18'
L = 138.24'
R = 1350.00'
RUNOFF = 19'
SE = 0.01%
SE TRANSITION = 39'
PC STA = 615+93.15FT
REPLACE CONCRETE
TO FACE OF BUILDING
REPLACE CONCRETE TO
FACE OF BUILDING OR STEPS
STA 70+65 LT
DRIVEWAY (ASPHALTIC
SURFACE)
CONSTRUCTION LIMITS
70+88ZZ
SLOPE INTERCEPT
STA 619+30 RT
DRIVEWAY (ASPHALTIC
SURFACE)
CONCRETE SIDEWALK
4-INCH
DRIVEWAY REMOVED
(BY OTHERS)
WALLS
SIGN
MH
SAN
W
SAN
INL
OH
GUY
WV



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 42	SHEET 252	E

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
628	622+70 RT	CHISELED "X" ON SW BOLT FIRE HYDRANT	589.88

STA 620+91 LT
DRIVEWAY (ASPHALTIC SURFACE)

STA 621+54 LT
DRIVEWAY (ASPHALTIC SURFACE)
SEE NON-DEPRESSED DRIVEWAY DETAIL.

SALVAGE AND RESET BRICK PAVERS (UP TO THE STAIRS)

CONSTRUCTION LIMITS
80+26MW

BP: 80+00.00MW

MILL RD

S54° 38' 46"E

PATH (ASPHALTIC SURFACE)

SLOPE INTERCEPT

CONCRETE SIDEWALK 4-INCH

STA 625+18 LT
DRIVEWAY (ASPHALTIC SURFACE)

SAFETY FENCE REQUIRED

MATCH LINE

626+30.00

STA 626+00 LT
DRIVEWAY (ASPHALTIC SURFACE)

CONDUIT TO BE INSTALLED BY VILLAGE. COORDINATE WITH VILLAGE UTILITIES DIRECTOR.

PI: 625+12.87FT

STA 622+77.91 FT=
STA 80+73.94 MW

EP: 80+73.94MW

STA 622+40.69 FT=
STA 90+00.00 ME

BP: 90+00.00ME

CONSTRUCTION LIMITS
90+56ME

EP: 90+89.54ME

S55° 44' 50"E

STA 624+62 RT
DRIVEWAY (ASPHALTIC SURFACE)

DRIVEWAY REMOVED (BY OTHERS)

SLOPE INTERCEPT

CONCRETE SIDEWALK 4-INCH

SALVAGE AND RESET BRICK PAVERS

SALVAGE LANDSCAPING MULCH

STA 626+03 RT
DRIVEWAY (ASPHALTIC SURFACE)

STA 626+63 RT
DRIVEWAY (CONCRETE SURFACE)

CONCRETE PEDESTRIAN CURB
SEE CONSTRUCTION DETAILS

PI: 620+53.80FT

620+80.00

621+00FT

622+00FT

623+00FT

624+00FT

625+00FT

626+00FT

STH 42

TLE

PROPOSED R/W

EXISTING R/W

SAN

W

SS

OH

MH

HP

SIGN

VCL = 280.00
K = 45.46

VCL = 105.00
K = 78.30

FINISHED PROFILE ON ℄

EXISTING GROUND

EXISTING GRADE (TYP)

PROPOSED GRADE (TYP)

IDENTICAL POINT

VPI STA 620+53.80FT
VPI EL 592.22

VPT STA 621+93.80FT
VPT EL 589.78

VPC STA 622+39.50FT
VPC EL 588.99

VPI STA 622+92.00FT
VPI EL 588.07

VPT STA 623+44.50FT
VPT EL 587.86

-1.74%

595.00
590.00
585.00
580.00

621
622
623
624
625
626

593.20 593.19
592.49 592.39
591.05 590.76
589.78 589.68
588.65 588.81
588.06 588.17
587.72 587.84
587.55 587.64
587.33 587.44
587.19 587.24
587.10 587.04
586.98 586.84
586.89 586.72

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 42	SHEET 253	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050101_PP.DWG PLOT DATE : 3/1/2015 1:13 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44

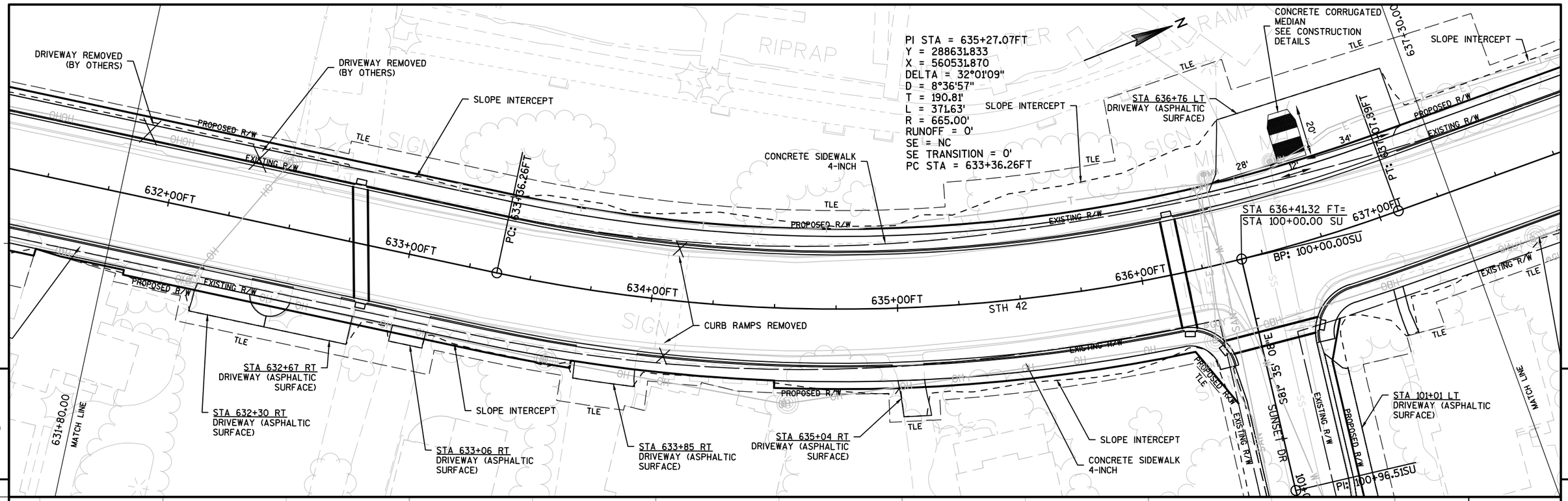
SAFETY FENCE REQUIRED
CONCRETE PEDESTRIAN CURB SEE CONSTRUCTION DETAILS
SALVAGE AND RESET TIMBER LANDSCAPING WALL
CONCRETE STEP SEE CONSTRUCTION DETAIL
SLOPE INTERCEPT
CONCRETE SIDEWALK 4-INCH
STA 628+53 LT DRIVEWAY (ASPHALTIC SURFACE)
DRIVEWAY REMOVED (BY OTHERS)
SLOPE INTERCEPT
CONCRETE SIDEWALK 4-INCH
DRIVEWAY REMOVED (BY OTHERS)
631+80.00
MATCH LINE
TLE
PROPOSED R/W
EXISTING R/W
STA 626+00 LT DRIVEWAY (ASPHALTIC SURFACE)
626+00FT
627+00FT
628+00FT
629+00FT
630+00FT
631+00FT
632+00FT
STH 42
SALVAGE AND RESET BRICK PAVERS (TO SLOPE INTERCEPT)
CURB RAMPS REMOVED
SLOPE INTERCEPT
STA 626+63 RT DRIVEWAY (CONCRETE SURFACE)
SAFETY FENCE REQUIRED
STA 630+49 RT DRIVEWAY (ASPHALTIC SURFACE)
CONCRETE SIDEWALK 4-INCH
626+30.00
CONCRETE PEDESTRIAN CURB SEE CONSTRUCTION DETAILS
CONCRETE SIDEWALK 4-INCH
STA 628+10 RT DRIVEWAY (ASPHALTIC SURFACE)
STA 629+43 RT DRIVEWAY (ASPHALTIC SURFACE)
STA 626+03 RT DRIVEWAY (ASPHALTIC SURFACE)
CH LINE
5
5

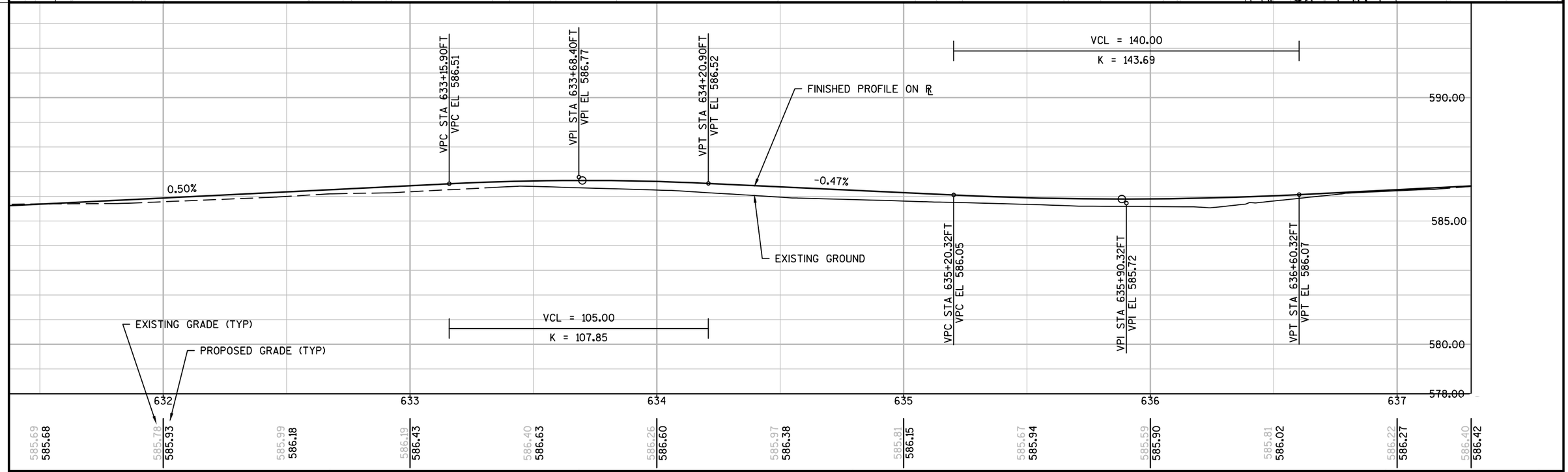
VCL = 130.00
K = 144.49
590.00
585.00
580.00
578.00
EXISTING GROUND
-0.40%
FINISHED PROFILE ON ℄
EXISTING GRADE (TYP)
PROPOSED GRADE (TYP)
VPC STA 629+69.71FT
VPC EL 585.36
VPI STA 630+34.71FT
VPI EL 585.10
VPT STA 630+99.71FT
VPT EL 585.43
626
627
628
629
630
631

586.98	586.84	586.66	586.44	586.35	586.04
586.84	586.64	586.52	586.24	586.19	585.84
585.96	585.64	585.86	585.44	585.82	585.27
585.67	585.27	585.64	585.43	585.69	585.68
585.71	585.83				

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 42	SHEET 254	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050101_PP.DWG PLOT DATE : 3/1/2015 1:15 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF





PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 42	SHEET 255	E

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
629	640+58 RT	CHISELED "X" ON NE BOLT FIRE HYDRANT	588.75
630	OFF ALIGNMENT	CHISELED "X" ON NE BOLT FIRE HYDRANT, 30 FEET EAST OF CENTERLINE OF STH 42, 50 FEET NORTH OF SOUTHERLY ENTRANCE TO HOUSE *924, AND 425 FEET NORTH OF SCANDIA ROAD	588.91

CONCRETE CORRUGATED MEDIAN SEE CONSTRUCTION DETAILS

CONCRETE SIDEWALK 4-INCH

SAFETY FENCE REQUIRED

STA 636+76 LT DRIVEWAY (ASPHALTIC SURFACE)

STA 640+58 RT DRIVEWAY (CONCRETE SURFACE)

SLOPE INTERCEPT

PT: 637+07.89FT

PI: 639+35.55FT

EP: 640+85.54FT

PROPOSED R/W

EXISTING R/W

TLE

28'

34'

20'

12'

STA 636+41.32 FT= STA 100+00.00 SU

STA 640+15.08 FT= STA 110+00.00 SC

BP: 100+00.00SU

BP: 110+00.00SC

END PROJECT 640+86FT

636+00FT

637+00FT

638+00FT

639+00FT

640+00FT

STH 42

N

SLOPE INTERCEPT

CONCRETE SIDEWALK 4-INCH

EXISTING SIGN-TO BE REMOVED BY OTHERS

S87° 42' 49"E

SCANDIA RD

SUNSET DR

S81° 35' 08"E

PROPOSED R/W

EXISTING R/W

STA 101+01 LT DRIVEWAY (ASPHALTIC SURFACE)

STA 637+58 - STA 638+00 CONCRETE PEDESTRIAN CURB SEE CONSTRUCTION DETAILS

STA 638+10 - STA 638+58 CONCRETE PEDESTRIAN CURB SEE CONSTRUCTION DETAILS

STA 638+85 RT DRIVEWAY (ASPHALTIC SURFACE)

STA 639+31 RT DRIVEWAY (CONCRETE SURFACE)

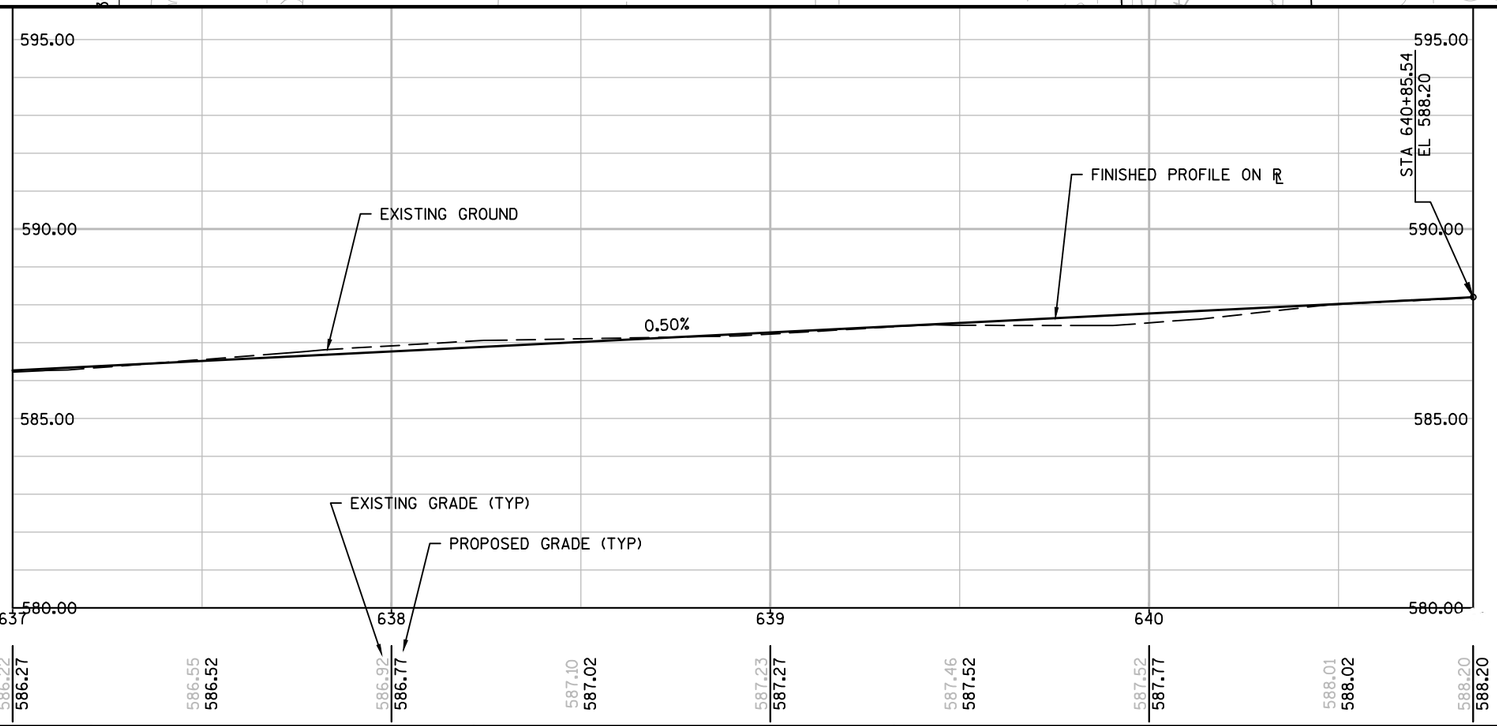
TRANSITION DRIVEWAY ENTRANCE CURB SEE CONSTRUCTION DETAIL

SLOPE INTERCEPT

EP: 110+67.03SC

CONSTRUCTION LIMITS 110+60SC

MATCH LINE



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 42	SHEET 256	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050101_PP.DWG PLOT DATE : 3/1/2015 1:17 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44

PI STA = 51+11.39FS
Y = 286696.715
X = 559292.084
DELTA = 14°28'35"
D = 19°05'55"
T = 38.10'
L = 75.80'
R = 300.00'
RUNOFF = 34'
SE = 0.02%
SE TRANSITION = 68'
PC STA = 50+73.29FS

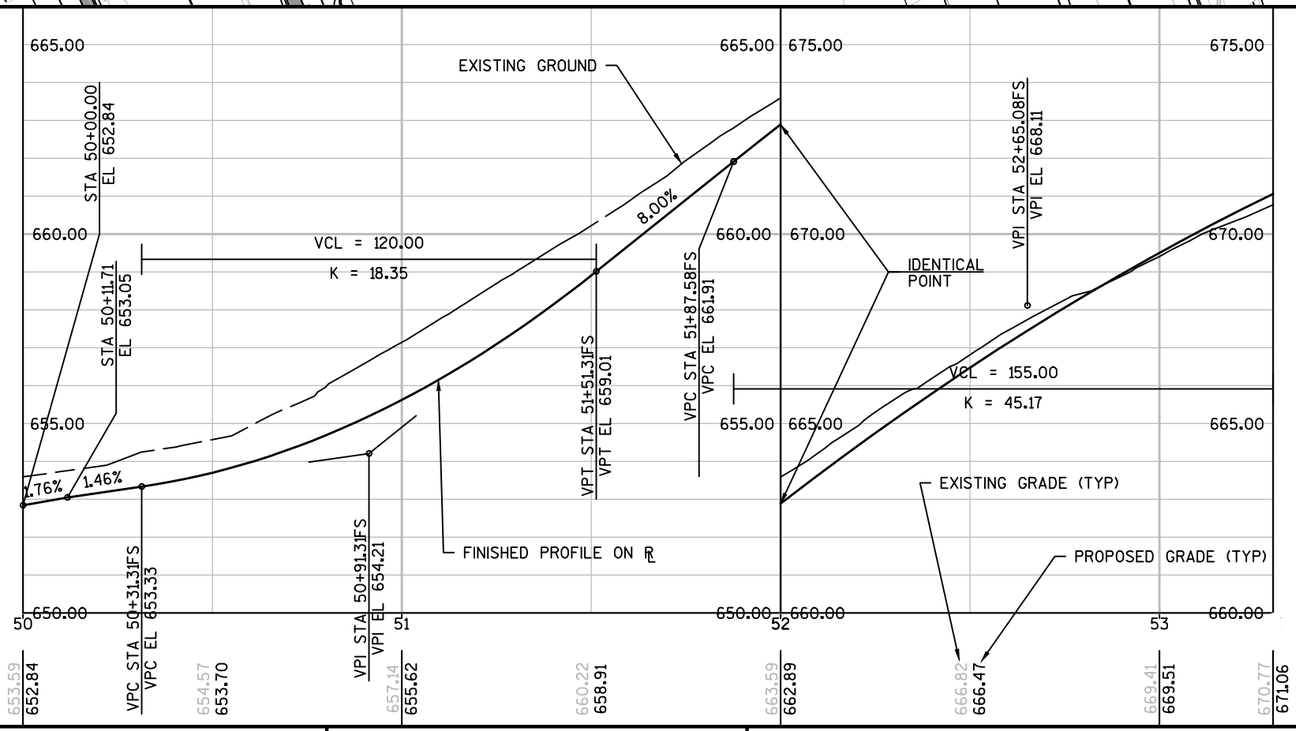
PI STA = 52+70.09FS
Y = 286542.950
X = 559332.953
DELTA = 28°21'30"
D = 12°43'57"
T = 113.69'
L = 222.73'
R = 450.00'
RUNOFF = 73'
SE = 0.04%
SE TRANSITION = 110'
PC STA = 51+56.39FS

CONCRETE SIDEWALK 4-INCH
SLOPE INTERCEPT
TRANSITION GUTTER SEE CONSTRUCTION DETAIL
STA 614+50 LT PARKING AREA (ASPHALTIC SURFACE)
EXISTING R/W
PROPOSED R/W
TLE
PT: 41+42.78BL
PC: 50+73.29FS
STA 612+76.88 FT= STA 50+00.00 FS
STA 612+76.88 FT= STA 42+15.74 BL
BP: 50+00.00FS
EP: 42+15.74BL
PT: 51+49.08FS
PC: 51+56.39FS
EP: 34+29.67GW
STA 52+61.32 FS= STA 34+29.67 GW
PT: 53+19.12FS
STA 33+43 LT DRIVEWAY (ASPHALTIC SURFACE)
41+00BL
42+00BL
51+00FS
52+00FS
53+00FS
54+00FS
34+00GW
612+00FT
STH 57
BLUFFSIDE LN
CONSTRUCTION LIMITS 40+88BL
TRANSITION CURB AND GUTTER TO MATCH EXISTING PAVEMENT AND CURB IN LAST 5 FEET

LEGEND
STAMPED CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE BROWN

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
600	53+39 RT	RR SPIKE IN POWER POLE #103 1369	672.01



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 57	SHEET 257	E

PI STA = 52+70.09FS
Y = 286542.950
X = 559332.953
DELTA = 28°21'30"
D = 12°43'57"
T = 113.69'
L = 222.73'
R = 450.00'
RUNOFF = 73'
SE = 0.04%
SE TRANSITION = 110'
PC STA = 51+56.39FS

N

STA 55+23 LT
DRIVEWAY (ASPHALTIC SURFACE)

CONCRETE SIDEWALK
4-INCH

TRANSITION CURB AND GUTTER TO MATCH EXISTING PAVEMENT AND SHOULDER

STA 56+01 LT
DRIVEWAY (ASPHALTIC SURFACE)

CONSTRUCTION LIMITS
200+46CA

EP: 200+46.87CA

SLOPE INTERCEPT

TLE

EXISTING R/W

PT: 53+79.12FS

PC: 55+61.94FS

CANTERBURY LN

STA 57+31.57 FS=
STA 200+00.00 CA

BP: 200+00.00CA

53+00FS

54+00FS

55+00FS

56+00FS

57+00FS

STH 57

STA 52+61.32 FS=
STA 34+29.67 GW

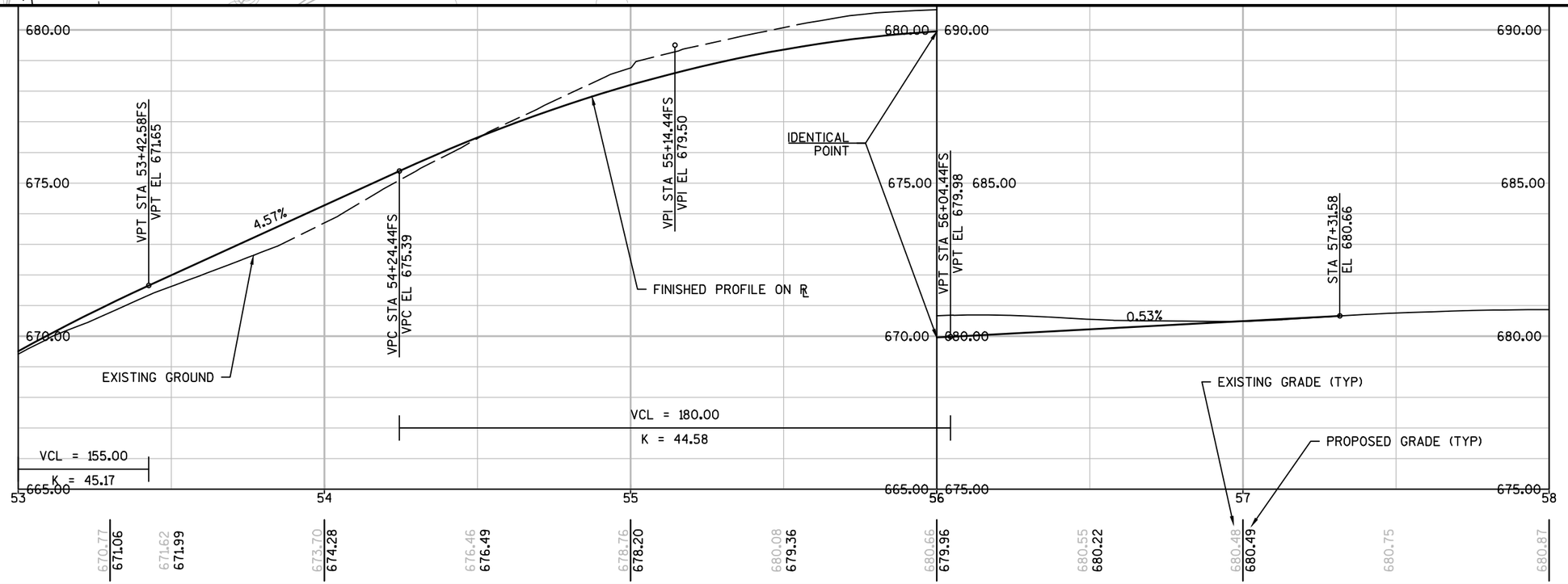
34+00GW

PI STA = 57+96.49FS
Y = 286156.091
X = 559696.781
DELTA = 43°21'38"
D = 9°42'40"
T = 234.55'
L = 446.50'
R = 590.00'
RUNOFF = 83'
SE = 0.04%
SE TRANSITION = 125'
PC STA = 55+61.94FS

CONSTRUCTION LIMITS
57+31FS

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
601	OFF ALIGNMENT	RR SPIKE IN POWER POLE *3128-8E41, SE QUAD OF STH 57 AND CANTERBURY LANE	680.75
602	OFF ALIGNMENT	CHISELED "X" ON NE BURY BOLT FIRE HYDRANT, NORTH OF CENTERLINE OF COUNTRY WALK DRIVE ON EAST OF STH 57	694.49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: STH 57	SHEET 258	E

BENCH MARKS

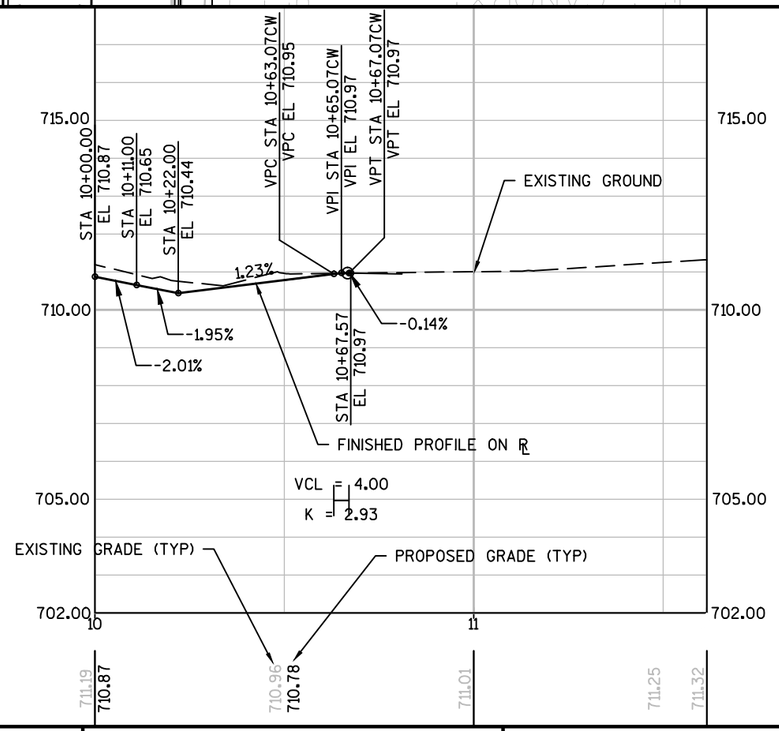
NO.	STATION	DESCRIPTION	ELEV.
626	603+35 RT	CHISELED "X" ON SE BOLT FIRE HYDRANT	710.26

LEGEND

STAMPED CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE BROWN

N

EXISTING R/W
BP: 20+00.00SB
603+00FT
EP: 20+72.83SB
SISTER BLUFF DR
S0° 30' 55"W
CONSTRUCTION LIMITS 20+21SB
EXISTING R/W
TLE
SLOPE INTERCEPT
EXISTING R/W
EXISTING LANDSCAPING WALL (TO REMAIN)
STA 601+53 LT DRIVEWAY (ASPHALTIC SURFACE)
TLE
602+00FT
BP: 10+00.00CW
STH 42
STA 602+83.96 FT= STA 20+72.83 SB
STA 602+39.07 FT= STA 10+00.00 CW
PROPOSED R/W
TLE
EXISTING R/W
EP: 11+61.60CW
11+00CW
S0° 00' 00"E
COUNTRY WALK DR
CONSTRUCTION LIMITS 10+73CW
EXISTING R/W
TLE
SLOPE INTERCEPT
EXISTING R/W
GRADE TO DRAIN



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: COUNTRY WALK DR	SHEET 259	E

DRIVEWAY REMOVED

TLE

EXISTING R/W

BP: 20+00.00SB

SISTER BLUFF DR

S0° 30' 55"W

603+00FT

EP: 20+72.83SB

CONSTRUCTION LIMITS
20+21SB

EXISTING R/W

TLE

SLOPE INTERCEPT

EXISTING R/W

EXISTING LANDSCAPING WALL (TO REMAIN)

602+00FT

BP: 10+00.00CW

EXISTING R/W

TLE

PROPOSED R/W

TLE

EXISTING R/W

STA 602+83.96 FT=
STA 20+72.83 SB

STA 602+39.07 FT=
STA 10+00.00 CW

11+00CW

S0° 00' 00"E

COUNTRY WALK DR

EP: 11+61.60CW

CONSTRUCTION LIMITS
10+73CW

HO OH

HO

EXISTING R/W

TLE

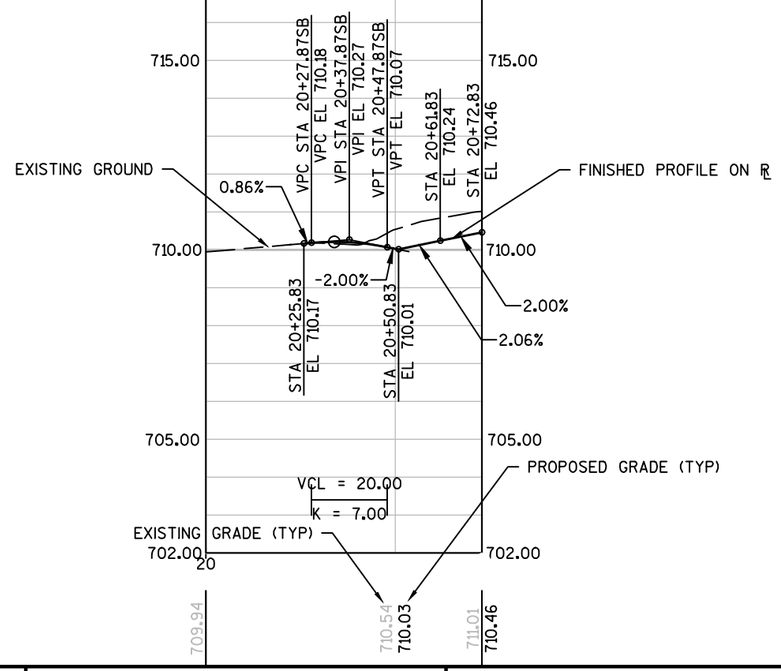
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
626	603+35 RT	CHISELED "X" ON SE BOLT FIRE HYDRANT	710.26

LEGEND

STAMPED CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE BROWN

N



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: SISTER BLUFF DR	SHEET 260	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
627	612+55 LT	CHISELED "X" ON SE BURY BOLT FIRE HYDRANT	654.55

LEGEND

STAMPED CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE BROWN

CONSTRUCTION LIMITS
40+88BL

TRANSITION GUTTER
SEE CONSTRUCTION DETAIL

SLOPE INTERCEPT

STA 614+50 LT
PARKING AREA
(ASPHALTIC SURFACE)

BP: 40+00.00BL

PC: 40+45.35BL

PT: 41+12.78BL

S27° 54' 48"E

41+00BL

BLUFFSIDE LN

S52° 03' 31"E

42+00BL

S29° 21' 38"E

612+00FT

CONCRETE SIDEWALK
4-INCH

STA 612+76.88 FT=
STA 50+00.00 FS

SLOPE INTERCEPT

BP: 50+00.00FS

EP: 42+15.74BL

PC: 50+73.29FS

51+00FS

STA 612+76.88 FT=
STA 42+15.74 BL

STH 57

52+00FS

PROPOSED R/W

EXISTING R/W

TLE

PT: 51+49.08FS

PC: 51+56.39FS

SLOPE INTERCEPT

EP: 3

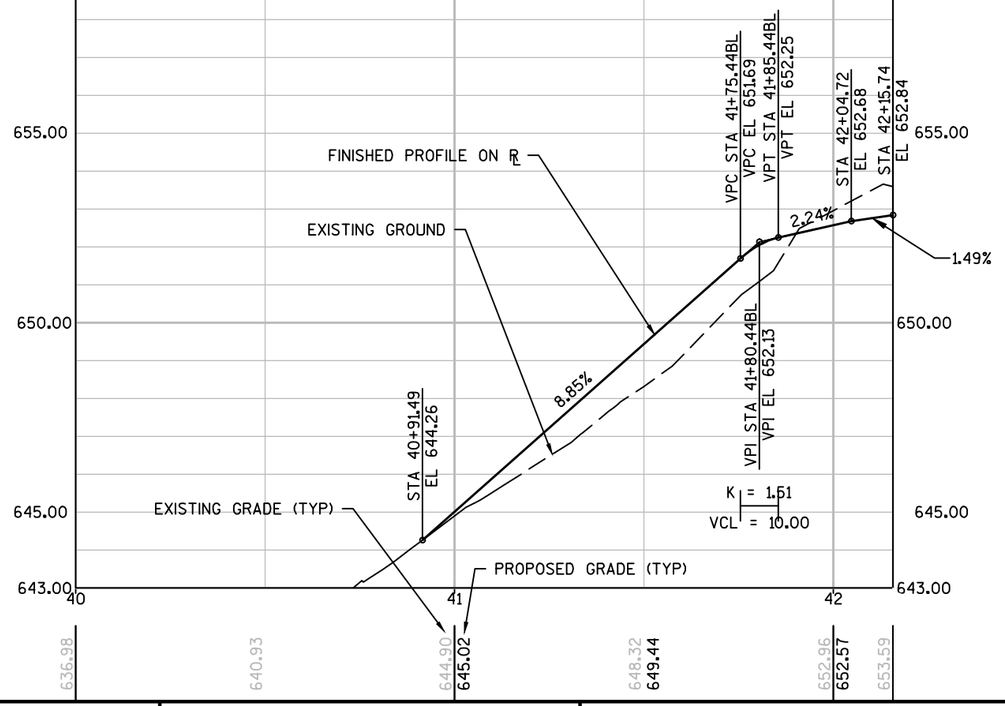
PI STA = 51+11.39FS
Y = 286696.715
X = 559292.084
DELTA = 14°28'35"
D = 19°05'55"
T = 38.10'
L = 75.80'
R = 300.00'
RUNOFF = 34'
SE = 0.02%
SE TRANSITION = 68'
PC STA = 50+73.29FS

PI STA = 40+79.57BL
Y = 286878.141
X = 559129.285
DELTA = 24°08'43"
D = 35°48'36"
T = 34.22'
L = 67.43'
R = 160.00'
RUNOFF = 0'
SE = NC
SE TRANSITION = 0'
PC STA = 40+45.35BL

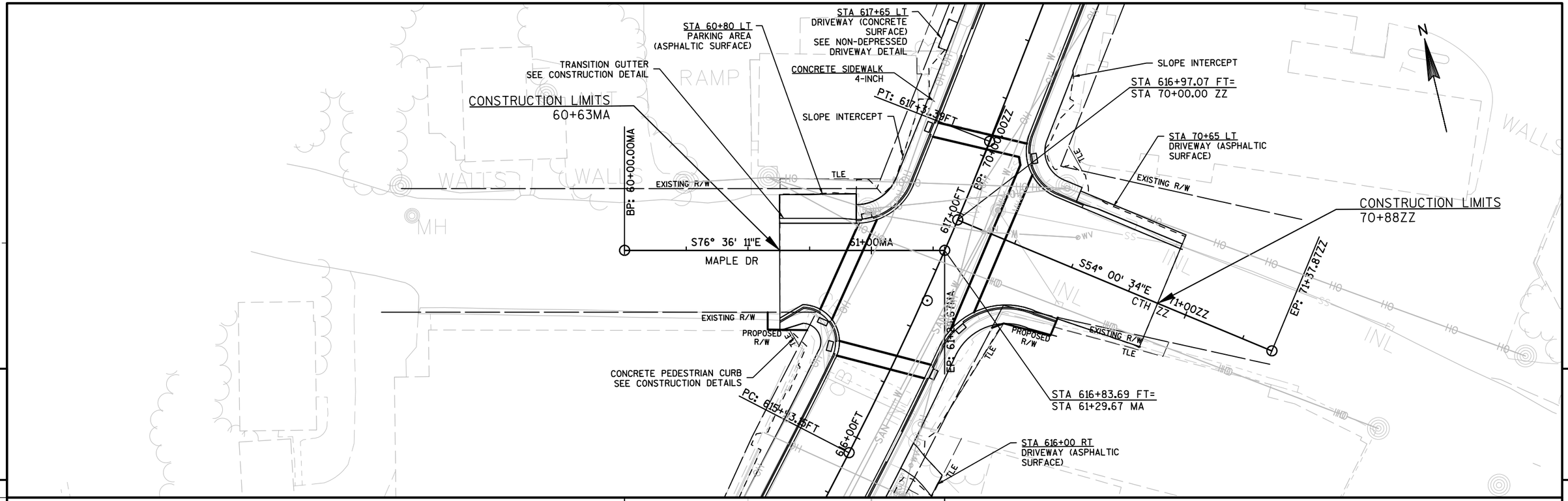
TRANSITION CURB AND GUTTER
TO MATCH EXISTING PAVEMENT
AND CURB IN LAST 5 FEET

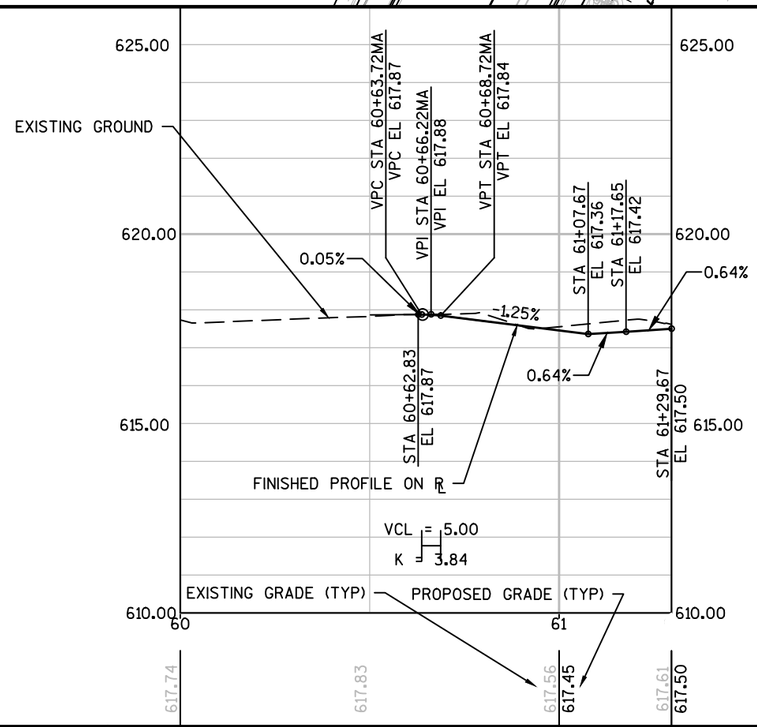
CONCRETE SIDEWALK
4-INCH

SLOPE INTERCEPT



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: BLUFFSIDE LN	SHEET 261	E

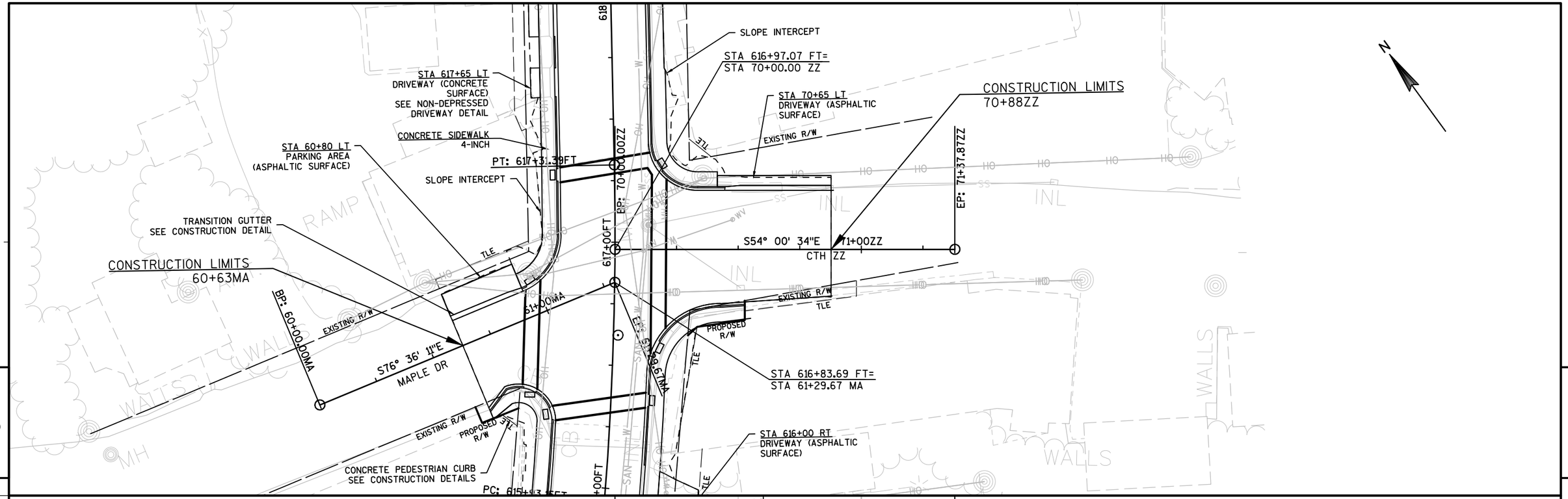


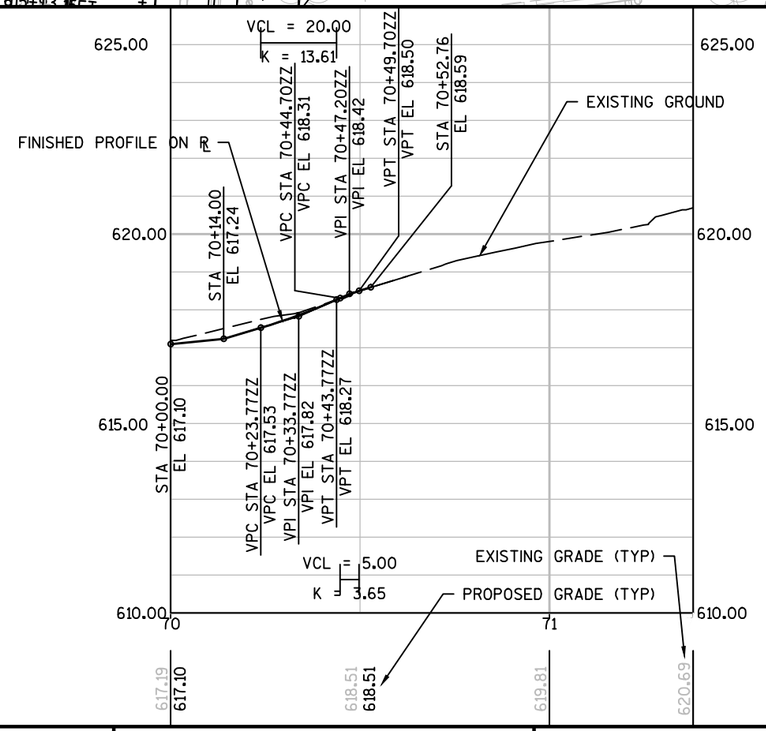


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: MAPLE DR	SHEET 262	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050301_PP.DWG PLOT DATE : 3/1/2015 1:46 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44

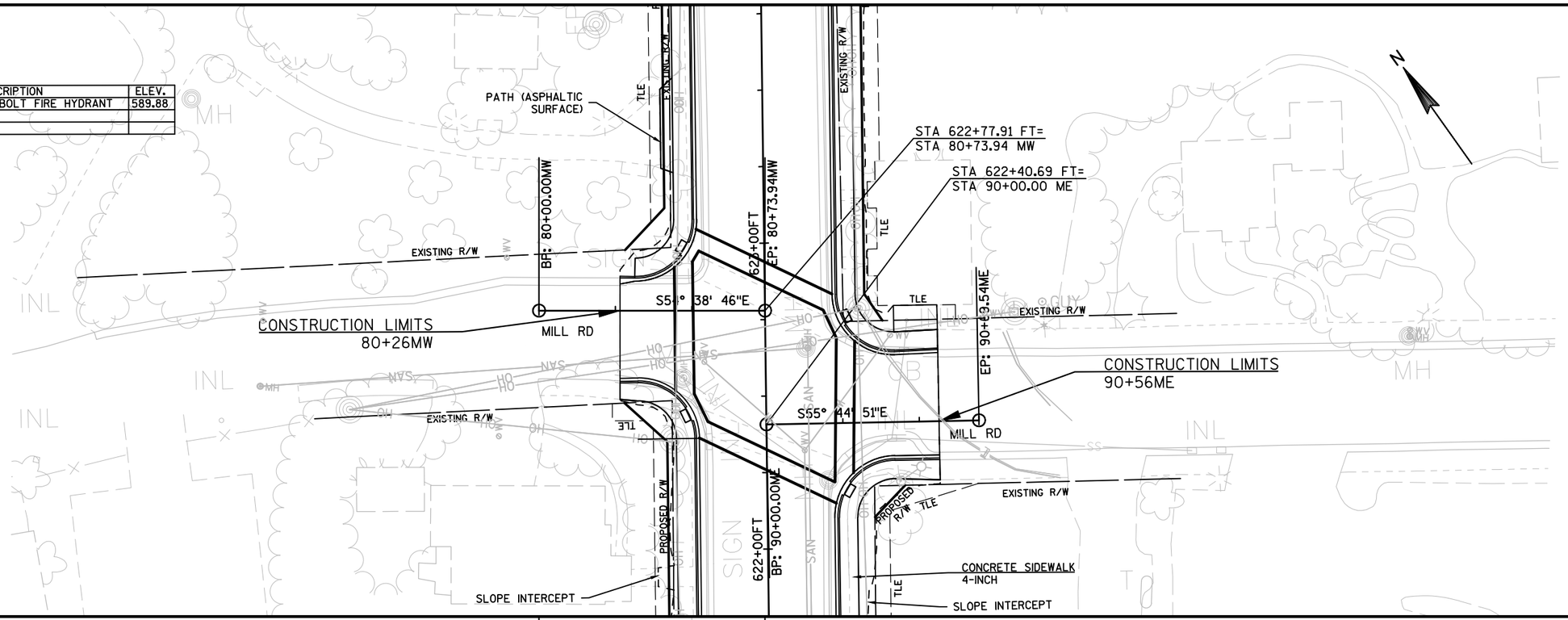


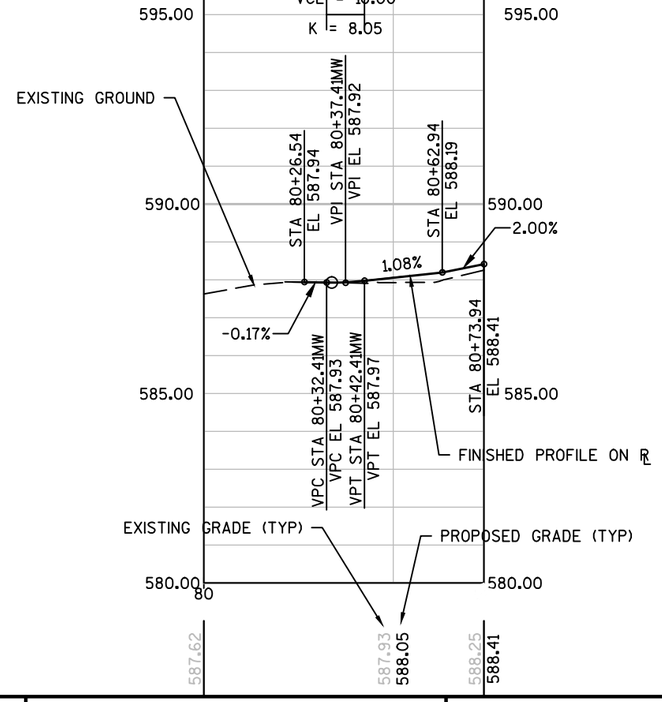


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: CTH ZZ	SHEET 263	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
628	622+70 RT	CHISELED "X" ON SW BOLT FIRE HYDRANT	589.88

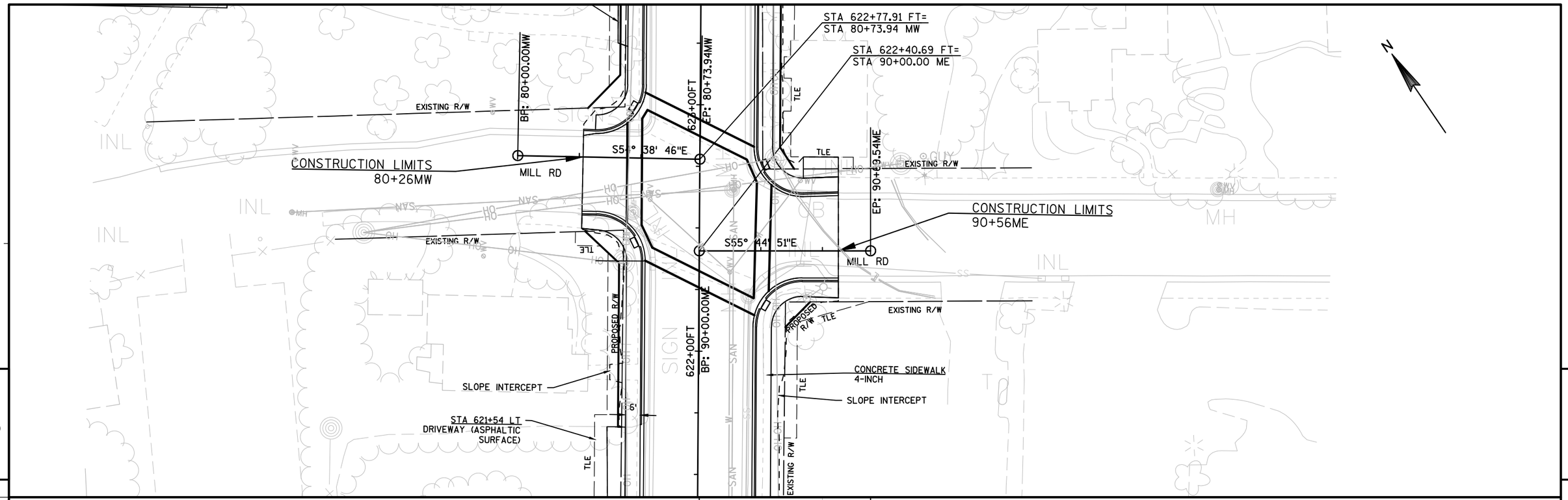




PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: MILL RD - WEST OF STH 42	SHEET 264	E

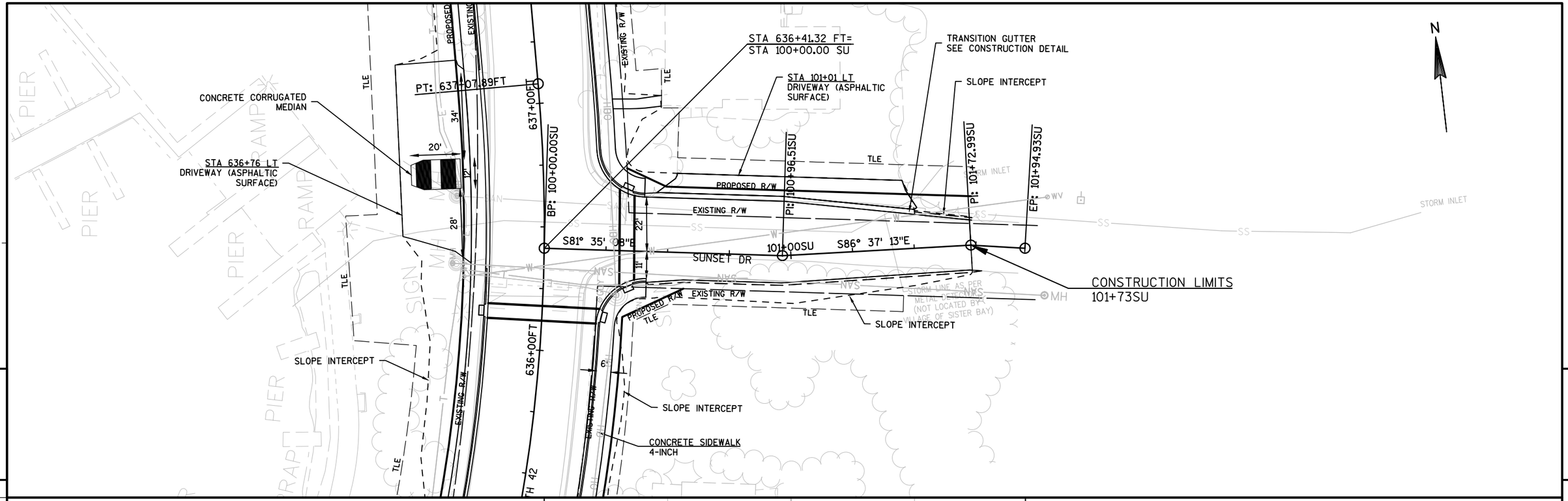
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050301_PP.DWG PLOT DATE : 3/1/2015 1:48 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

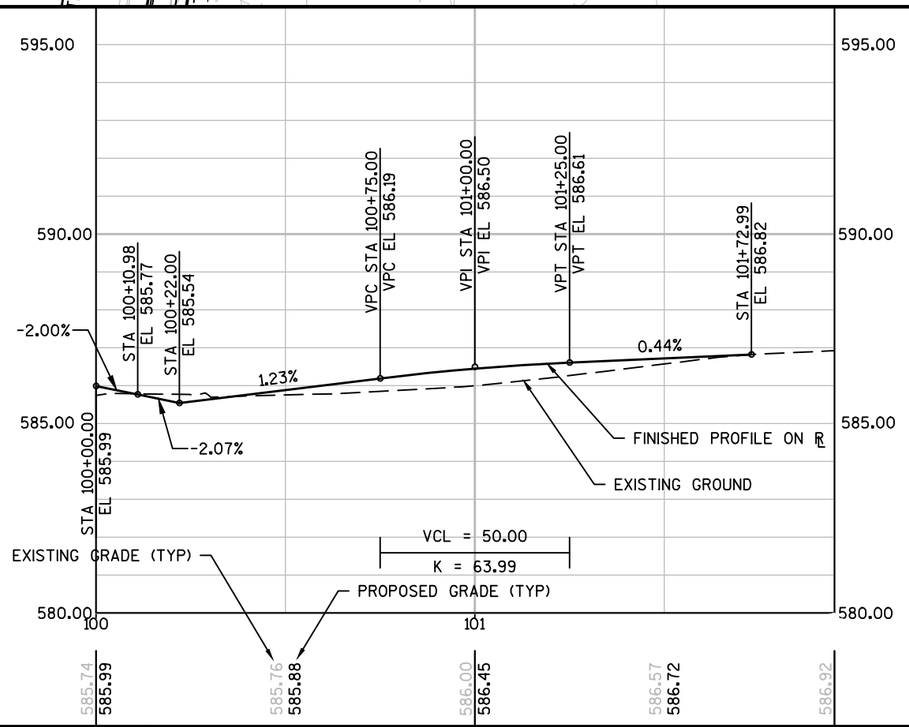
WISDOT/CADDS SHEET 44



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: MILL RD - EAST OF STH 42	SHEET 265	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050301_PP.DWG PLOT DATE : 3/1/2015 1:49 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 40'_XREF

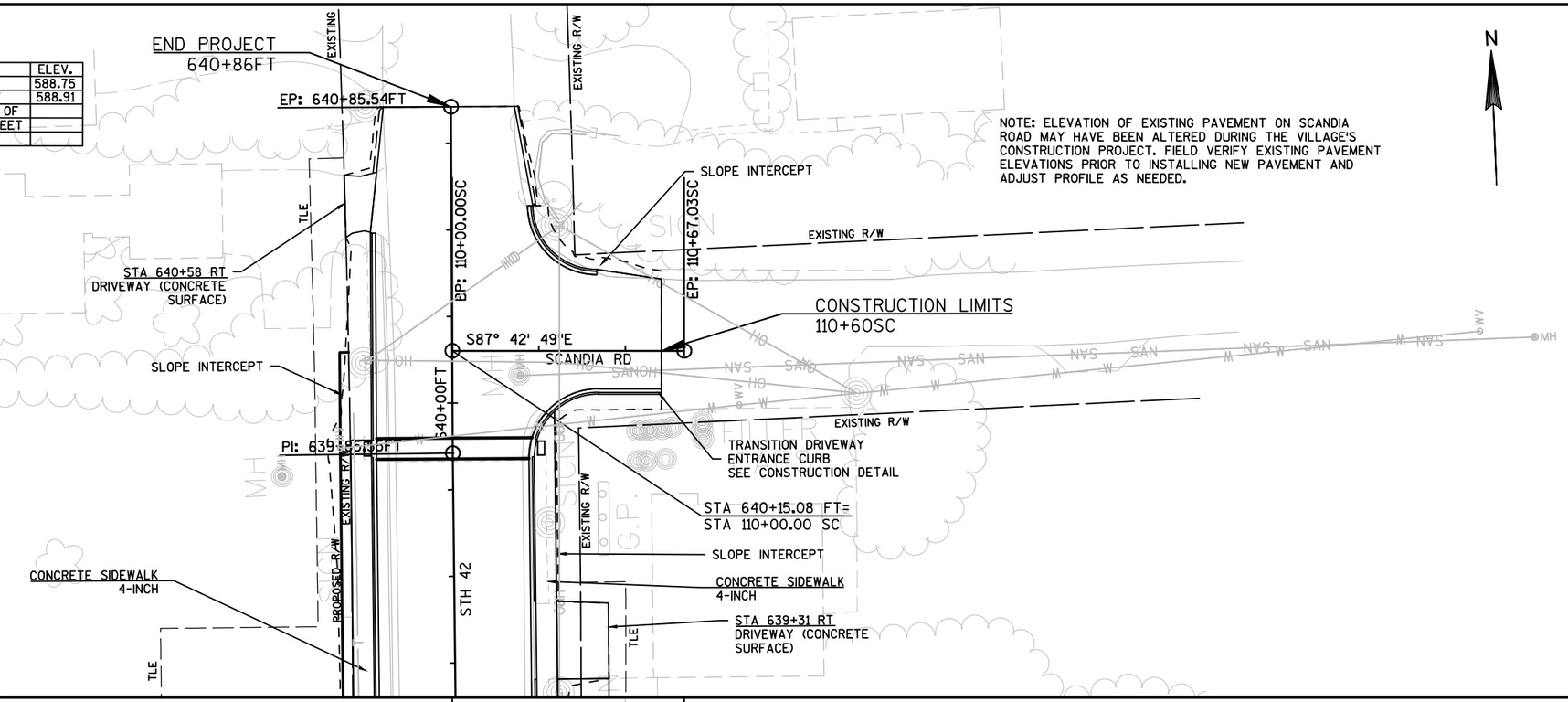


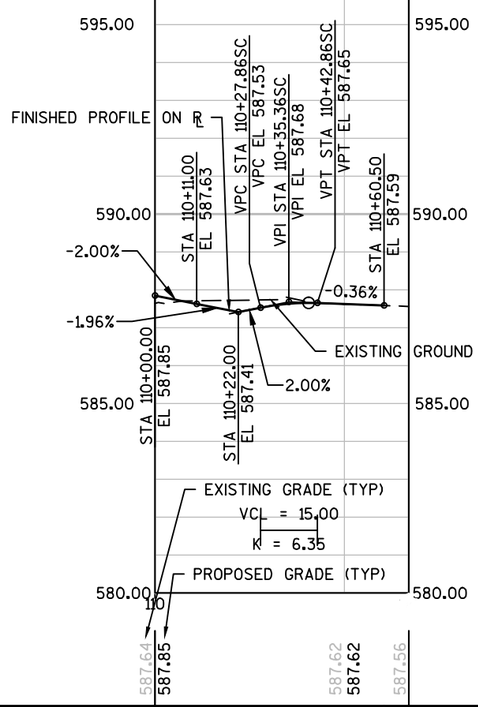


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: SUNSET DR	SHEET 266	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
629	640+58 RT	CHISELED "X" ON NE BOLT FIRE HYDRANT	588.75
630	OFF ALIGNMENT	CHISELED "X" ON NE BOLT FIRE HYDRANT, 30 FEET EAST OF CENTERLINE OF STH 42, 50 FEET NORTH OF SOUTHERLY ENTRANCE TO HOUSE *924, AND 425 FEET NORTH OF SCANDIA ROAD	588.91





PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: SCANDIA RD	SHEET 267	E

PC: 30+40.58GW

PROPOSED R/W

EXISTING R/W

TLE

GATEWAY DR

31+00GW

STA 31+75 LT
DRIVEWAY (ASPHALTIC SURFACE)

STA 33+43 LT
DRIVEWAY (ASPHALTIC SURFACE)

SLOPE INTERCEPT

PI: 31+88.21GW
PC: 31+94.26GW

PI: 33+24.29GW

34+00GW

N45° 20' 10"E

32+00GW

33+00GW

GATEWAY DR

PI STA = 31+20.99GW
Y = 286424.766
X = 559064.704
DELTA = 56°23'15"
D = 38°11'50"
T = 80.41'
L = 147.62'
R = 150.00'
RUNOFF = 0'
SE = NC
SE TRANSITION = 0'
PC STA = 30+40.58GW

PLE

PROPOSED R/W

EXISTING R/W

SLOPE INTERCEPT

SLOPE INTERCEPT

TLE

PLE

TLE

TLE

STA 32+22 RT
DRIVEWAY (ASPHALTIC SURFACE)

PI STA = 32+62.26GW
Y = 286433.595
X = 559218.910
DELTA = 41°23'14"
D = 31°49'52"
T = 67.99'
L = 130.02'
R = 180.00'
RUNOFF = 0'
SE = NC
SE TRANSITION = 0'
PC STA = 31+94.26GW

EXISTING R/W

TLE

EXISTING R/W

STA 52+61.32 FS=
STA 34+29.67 GW

PI STA = 52+70.09FS
Y = 286542.950
X = 559332.953
DELTA = 28°21'30"
D = 12°43'57"
T = 113.69'
L = 222.73'
R = 450.00'
RUNOFF = 73'
SE = 0.04%
SE TRANSITION = 110'
PC STA = 51+56.39FS

53+00FS

STH 57

54+00FS

PT: 53+71.12FS

SLOPE INTERCEPT

EXISTING R/W

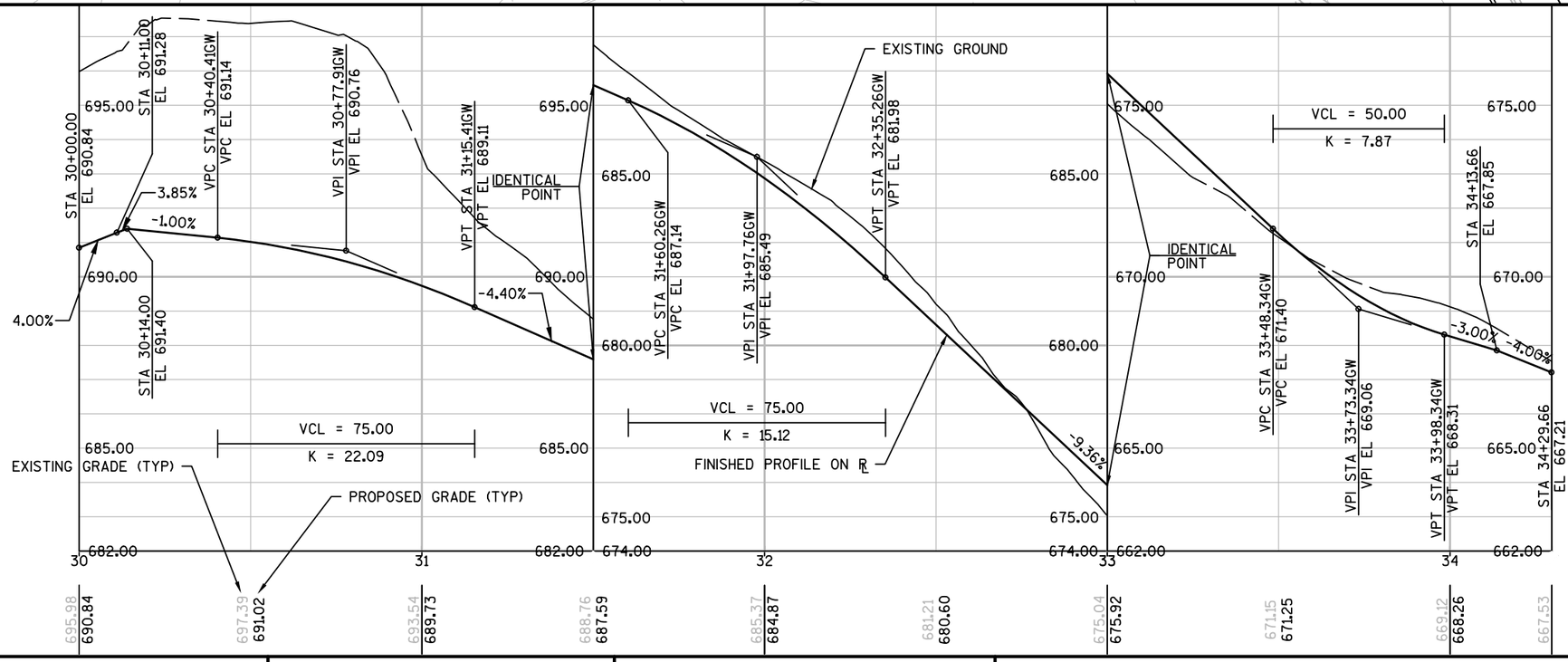
TLE

LEGEND

STAMPED CONCRETE SIDEWALK 4-INCH AND COLORED CONCRETE BROWN

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
600	53+39 RT	RR SPIKE IN POWER POLE *103 1369	672.01



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PLAN AND PROFILE: GATEWAY DRIVE	SHEET 268	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\PLANPROFILE\050301_PP.DWG
LAYOUT NAME - 051201

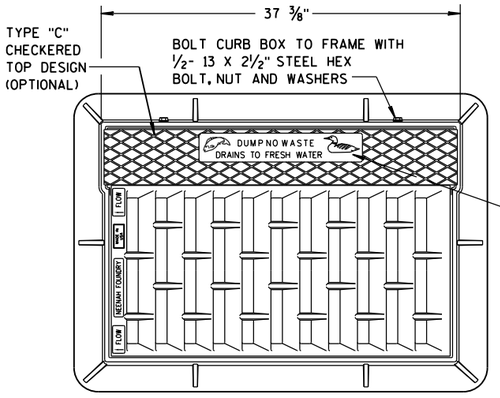
PLOT DATE : 3/1/2015 1:54 PM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

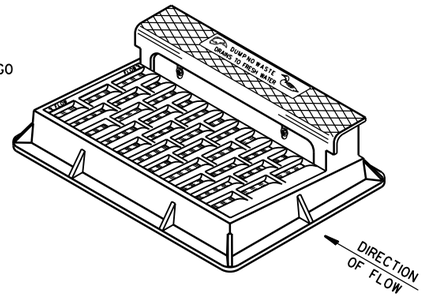
Standard Detail Drawing List

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
08A08-01	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-01	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-15A	CURB RAMPS TYPES 1 AND 1-A
08D05-15B	CURB RAMPS TYPES 2 AND 3
08D05-15C	CURB RAMPS TYPES 4A AND 4A1
08D05-15D	CURB RAMPS TYPE 4B AND 4B1
08D05-15E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D14-01	SLOTTED VANE DRAIN
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-08	CONDUIT UNDER PAVED HIGHWAYS
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C05-09	CONCRETE CONTROL CABINET BASES
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-01	LIGHTING CONTROL CABINET
11B01-05	CONCRETE CORRUGATED MEDIAN
13C01-17	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-08	URBAN DOWELED CONCRETE PAVEMENT
13C18-02A	CONCRETE PAVEMENT JOINTING
13C18-02B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-02C	CONCRETE PAVEMENT JOINT TIES
13C18-02D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-02	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12A	PAVEMENT MARKING SYMBOLS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-02	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE

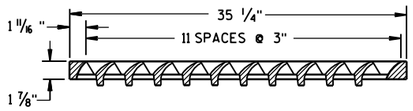
6

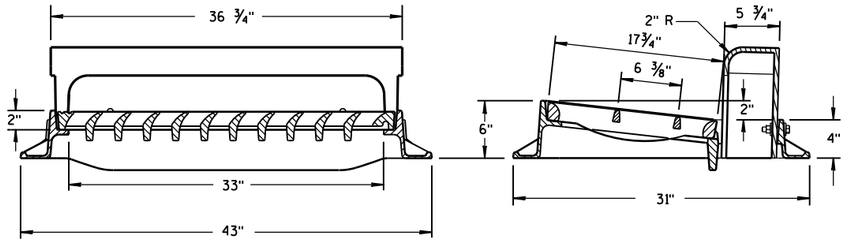


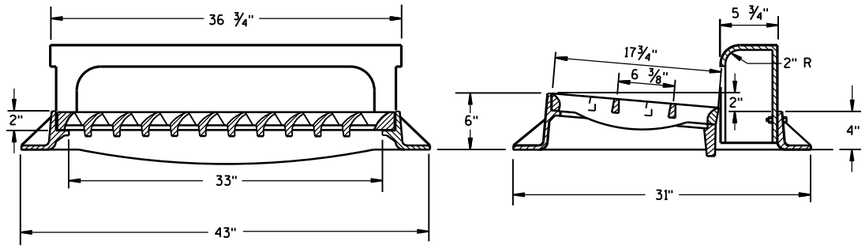
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

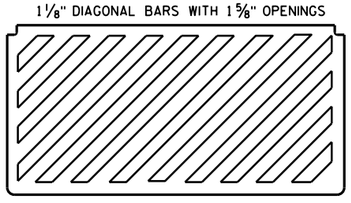






TYPE "H"

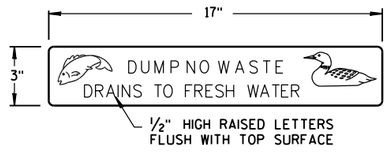
NOTE: EITHER CASTING IS ACCEPTABLE



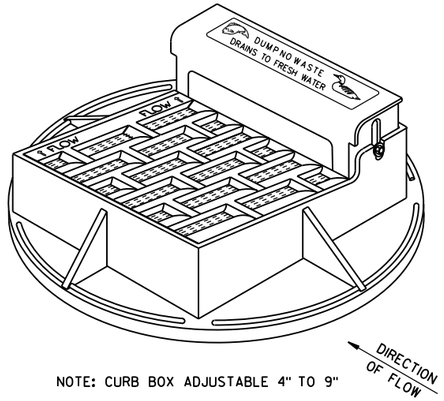
SPECIAL GRATE FOR TYPE "H" COVER

(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"

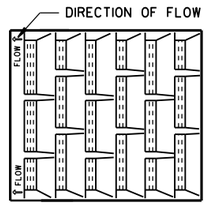
NOTE:
GRATE IS REVERSIBLE.

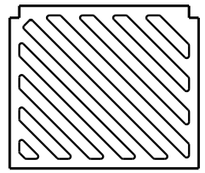
GENERAL NOTES

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.

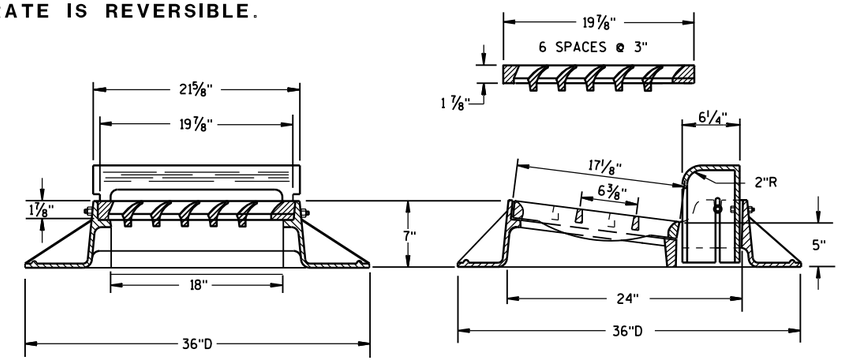




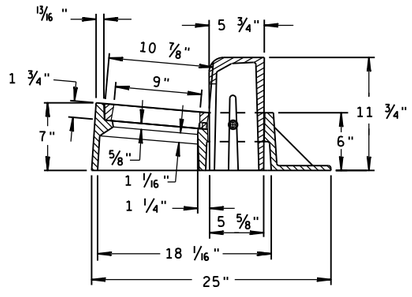
SPECIAL GRATE FOR TYPE "A" COVER

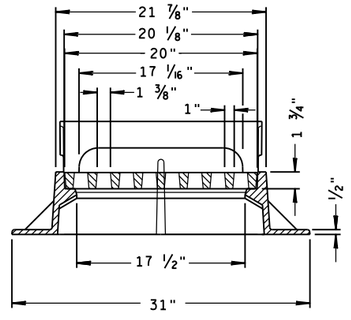
(MEASURES 19 3/4" X 17" X 1 7/8")

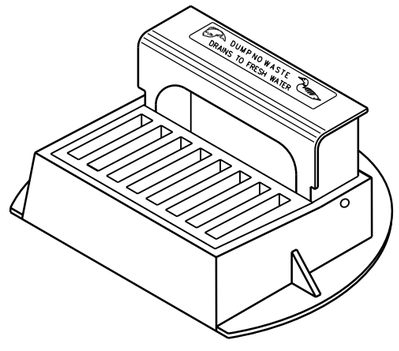
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

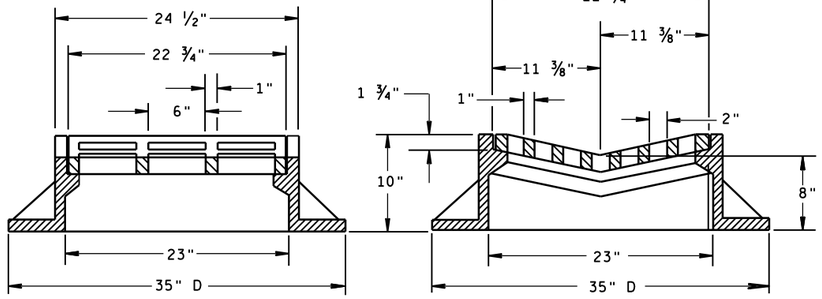
INLET COVERS
TYPE A, H, A-S, H-S & Z

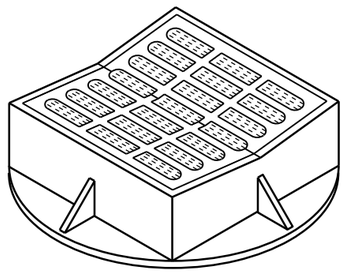
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

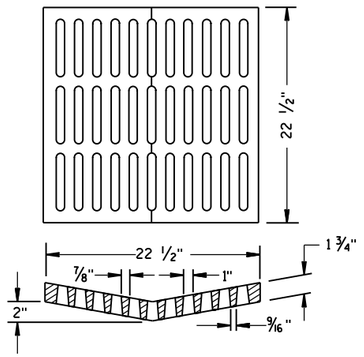
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S.D.D. 8 A 5-19a



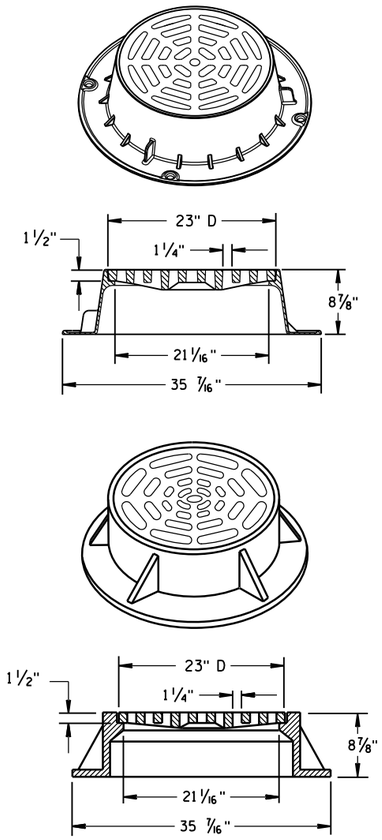


TYPE "B"



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"

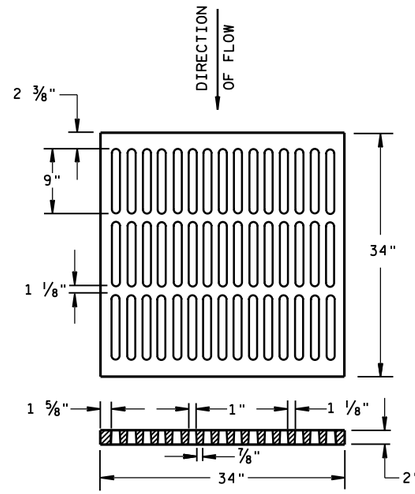
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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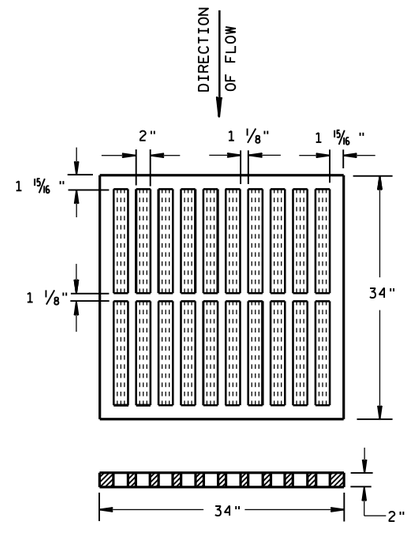
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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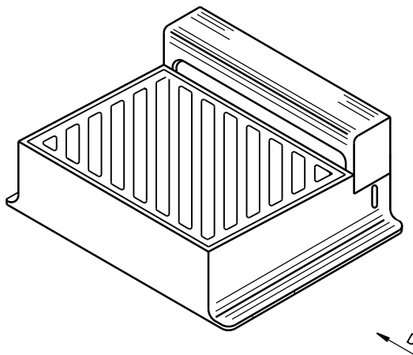
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

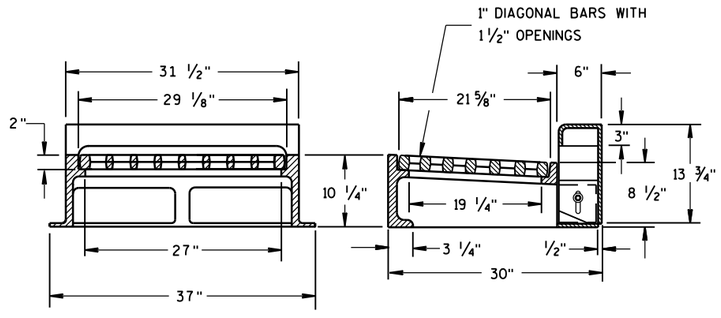


TYPE "MS"

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"

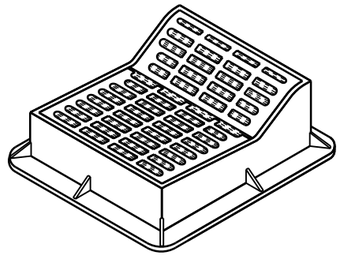
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

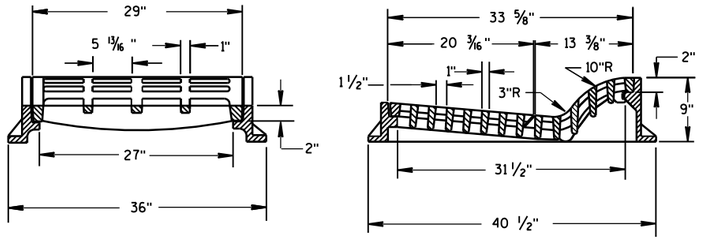
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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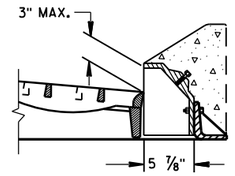
S.D.D. 8 A 5-19b





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

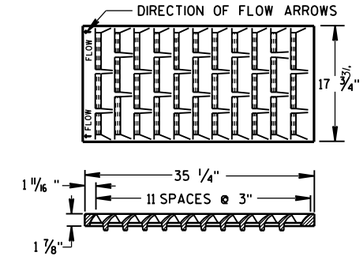
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

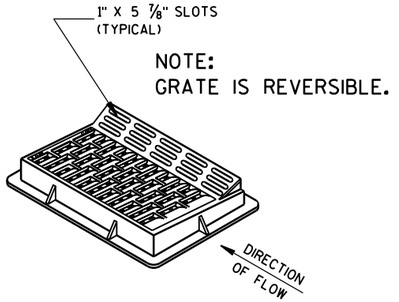
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

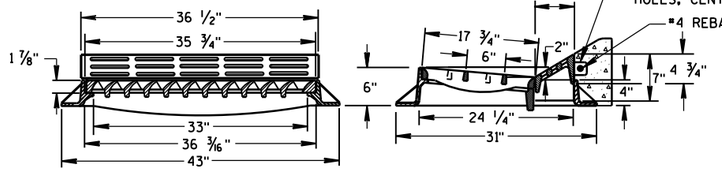
GENERAL NOTES

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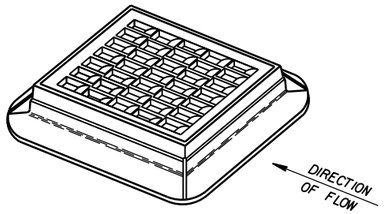


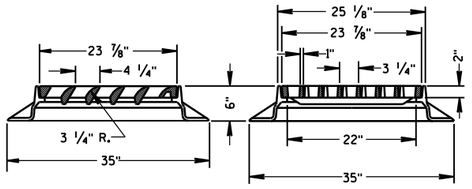


TYPE "HM"

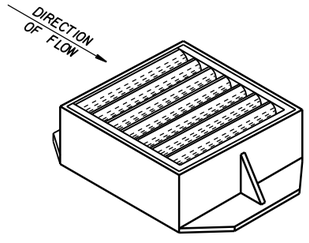
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

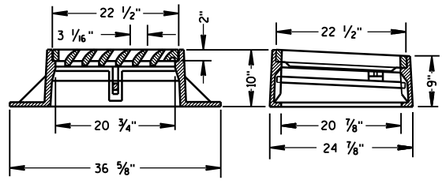
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



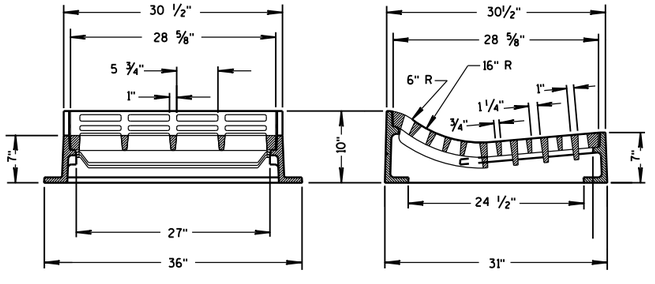


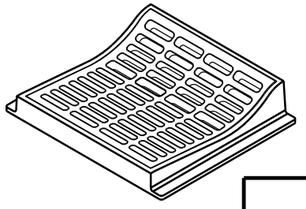
TYPE "S"





TYPE "V"





TYPE "T"

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

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

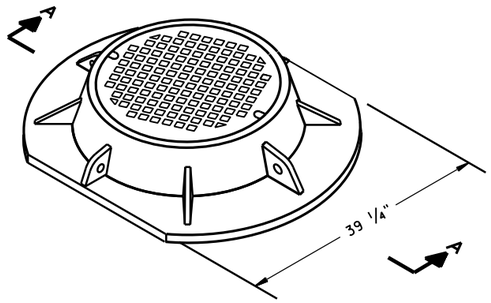
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

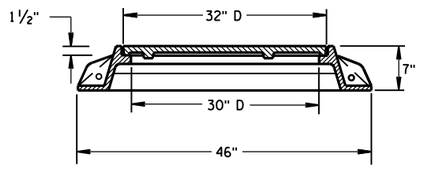
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

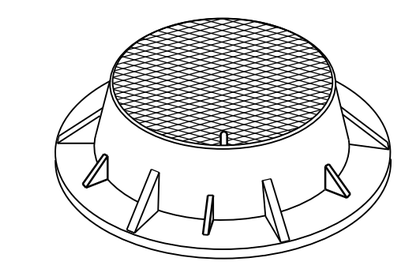
FHWA

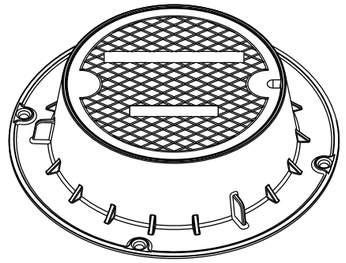
6
S.D.D. 8 A 5-19c

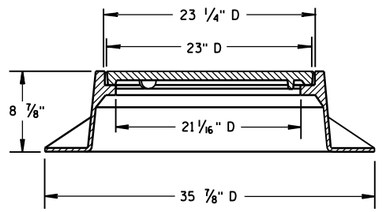


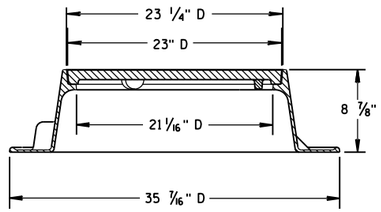


SECTION A-A
TYPE "K"









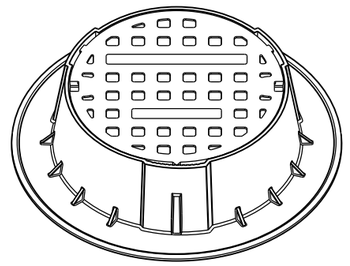
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

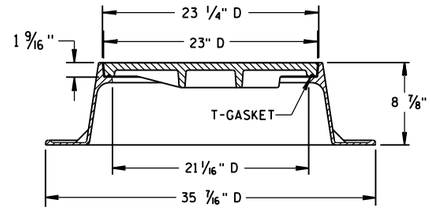
GENERAL NOTES

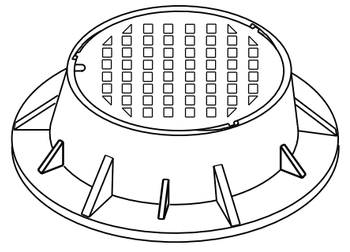
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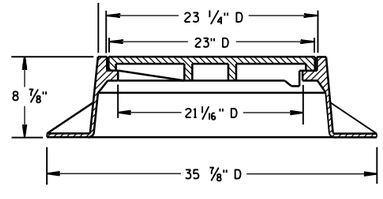
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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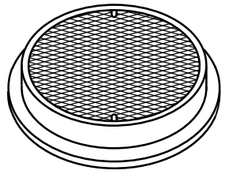


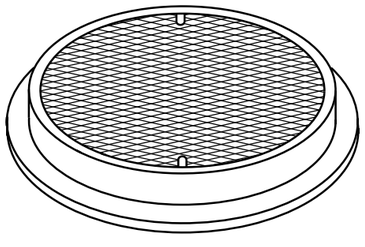


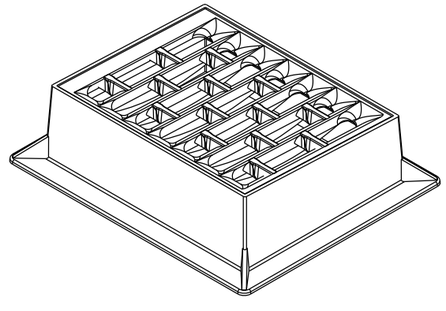


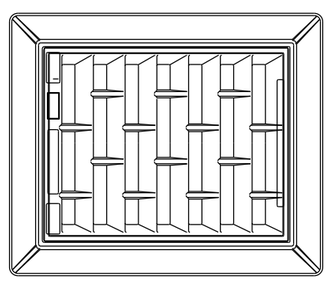


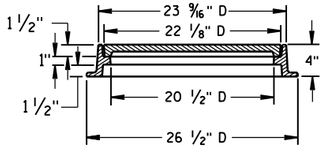
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



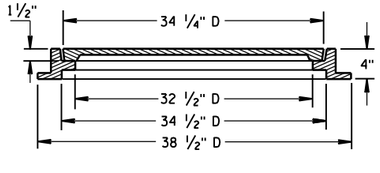




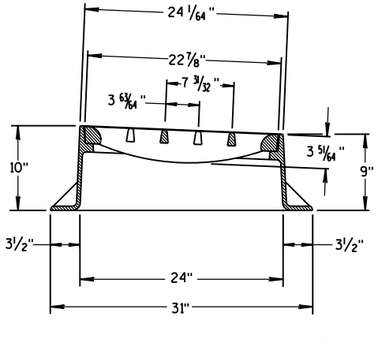


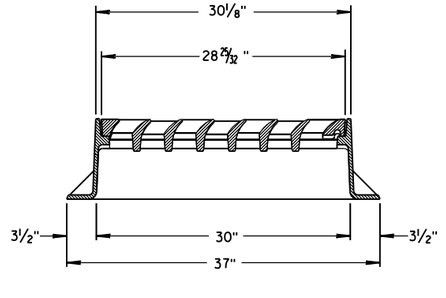


TYPE "L"



TYPE "M"





INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

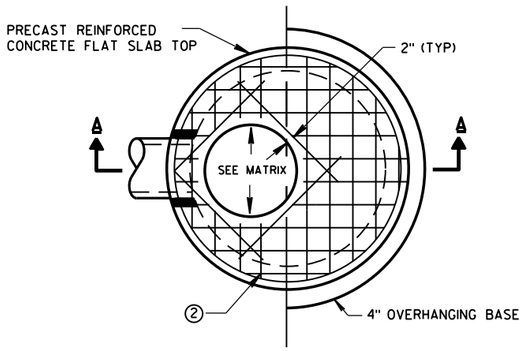
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

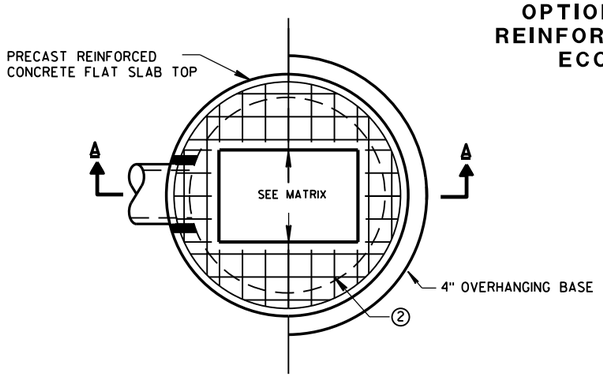
S.D.D. 8 A 5-19d

6

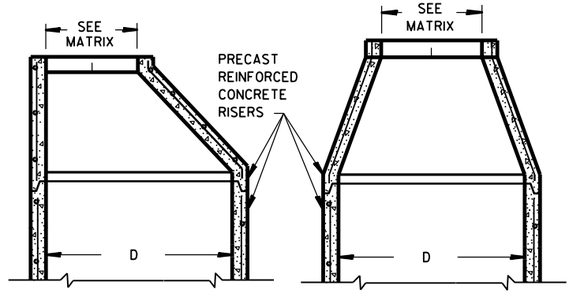
S.D.D. 8 A 5-19d



PLAN VIEW CIRCULAR OPENING

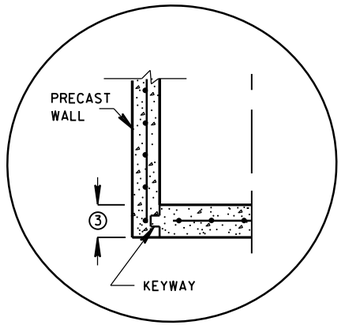


PLAN VIEW RECTANGULAR OPENING

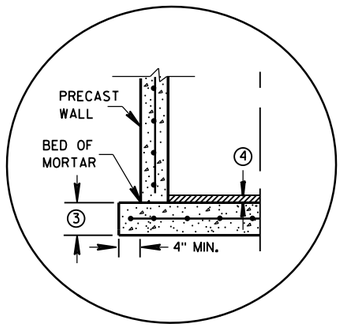


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

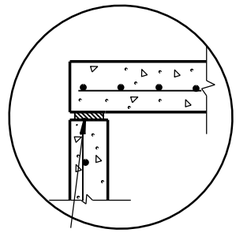


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



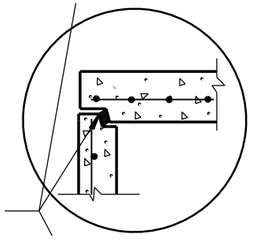
SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

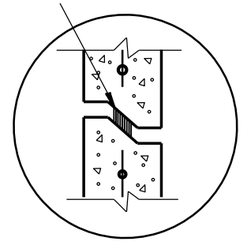


TOP WITH PLAIN END JOINT

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

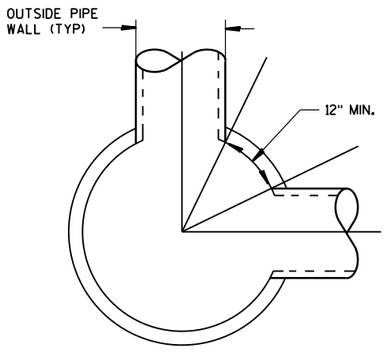


TOP WITH TONGUE AND GROOVE JOINT

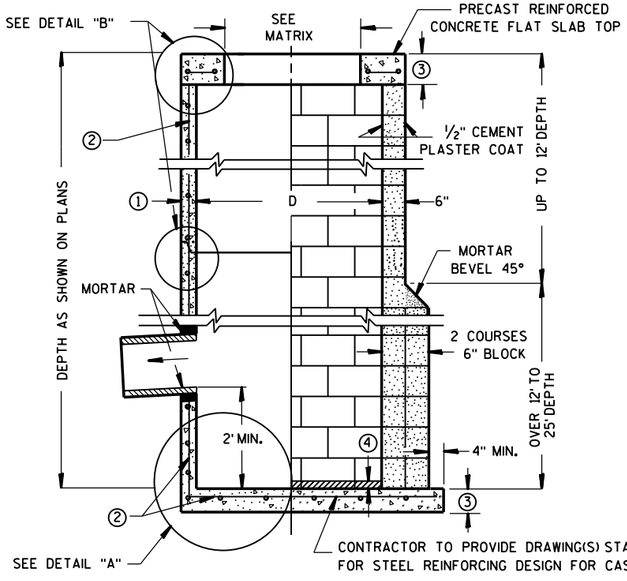


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



DETAIL "C"



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

SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE 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 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 GRANULAR 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. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

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 1/2 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

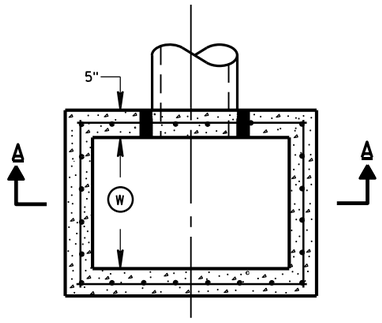
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

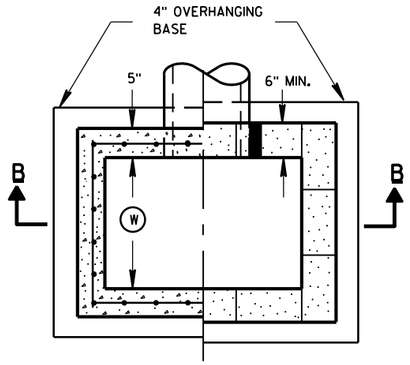
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

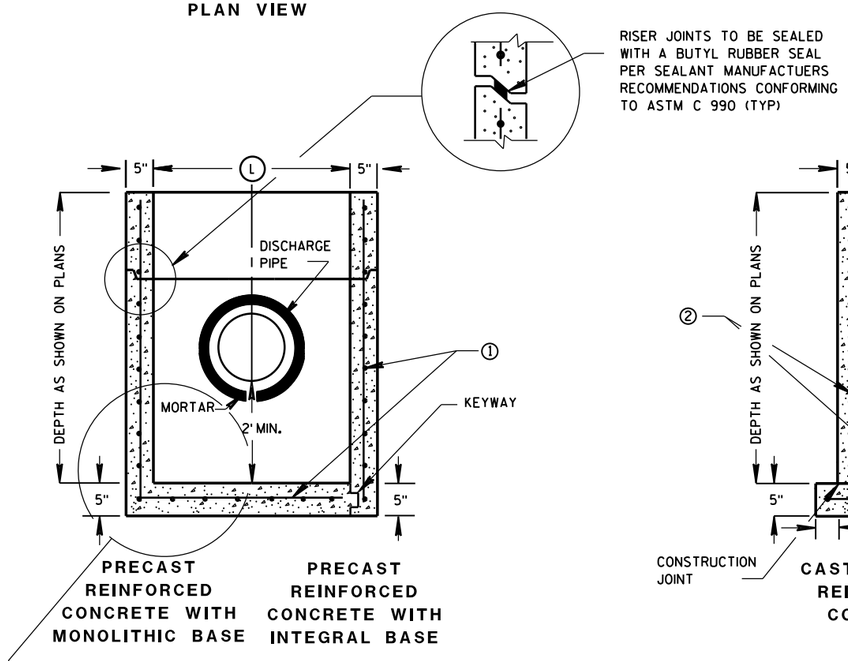
S.D.D. 8 A 8-1



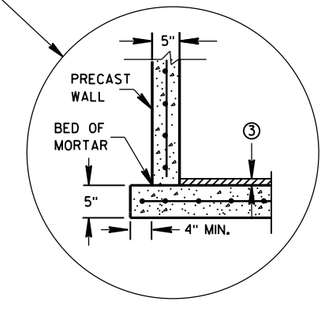
PLAN VIEW



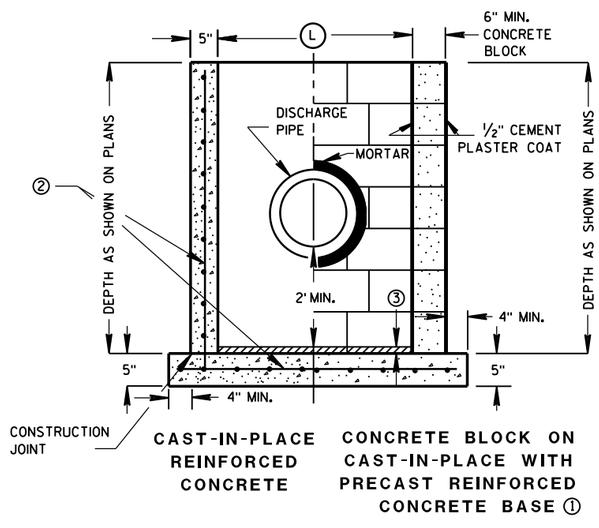
PLAN VIEW



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 GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

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

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN 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.

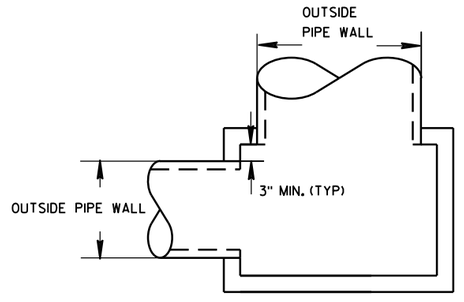
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

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



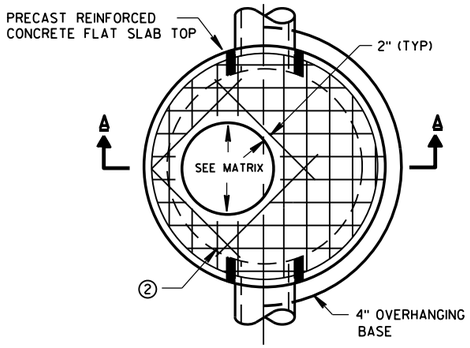
DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

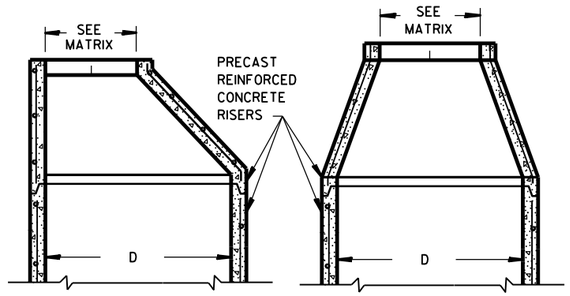
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
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FHWA

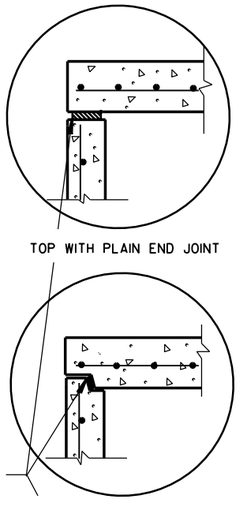


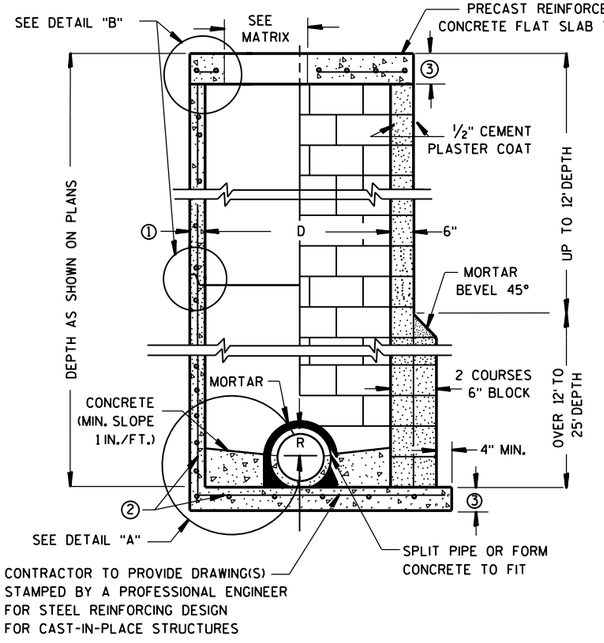
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

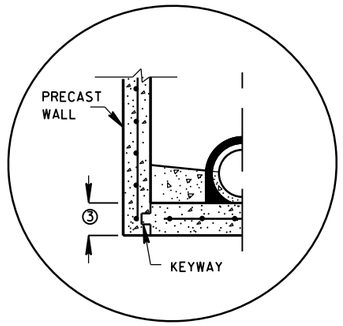
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



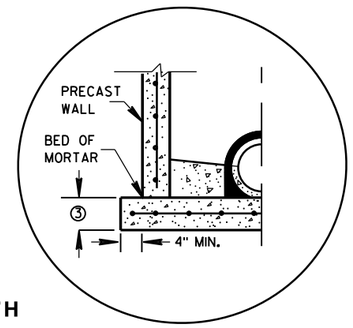


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

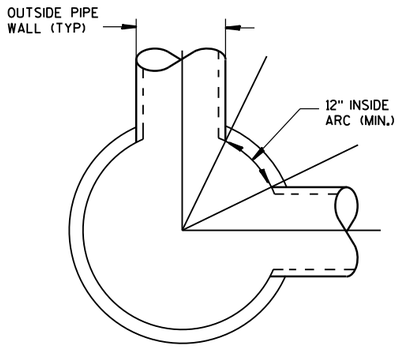


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

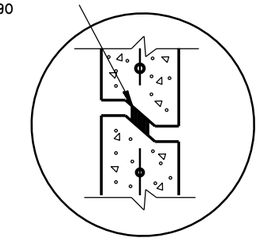


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



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 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 GRANULAR 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. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

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

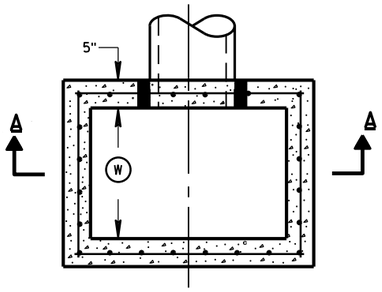
MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

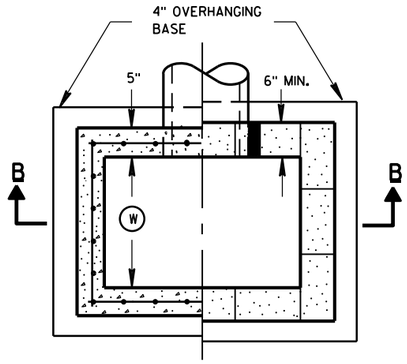
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

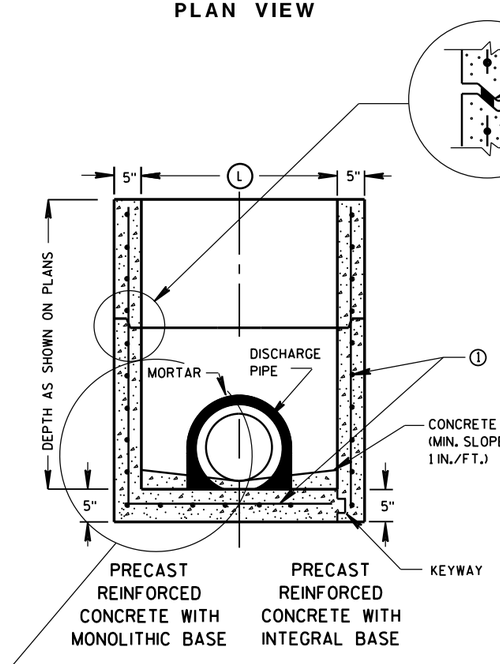
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S.D.D. 8 B 9-1



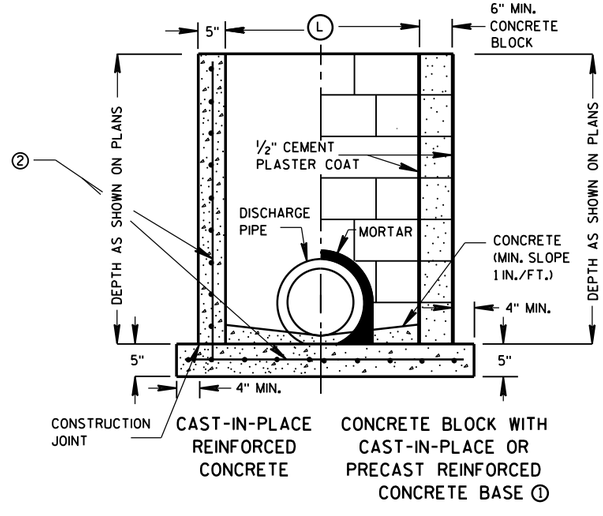
PLAN VIEW



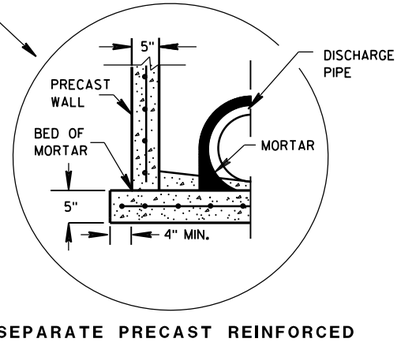
PLAN VIEW



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 GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

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

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

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

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

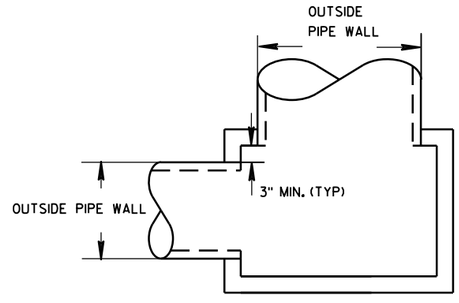
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



DETAIL "A"

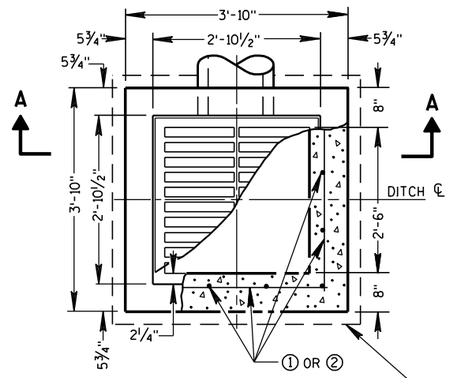
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

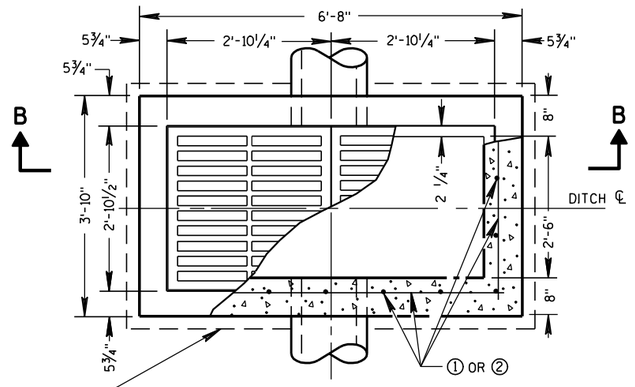
APPROVED
6/5/2012
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DE
ENGINEER
FHWA

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S.D.D. 8 C 7-1

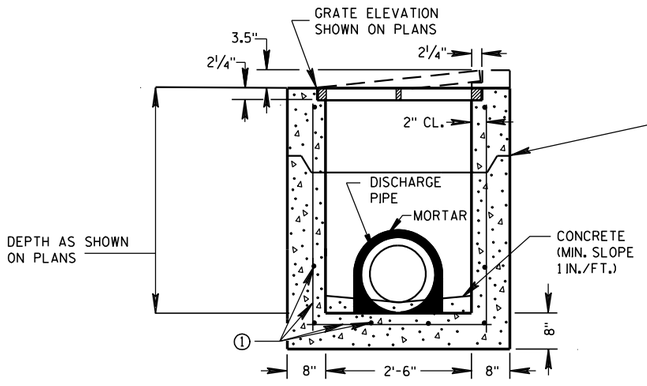


PLAN VIEW

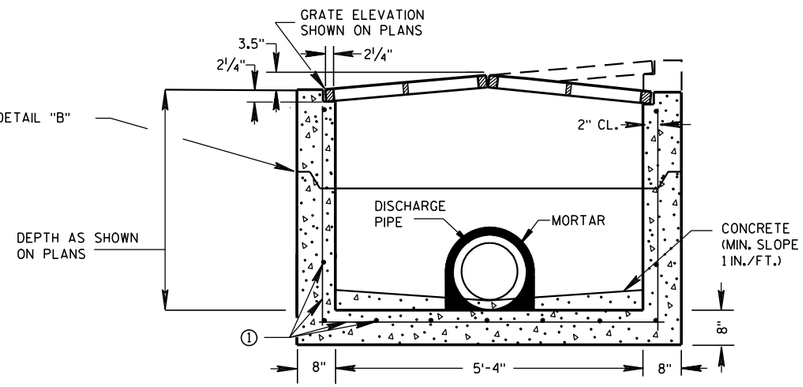


PLAN VIEW

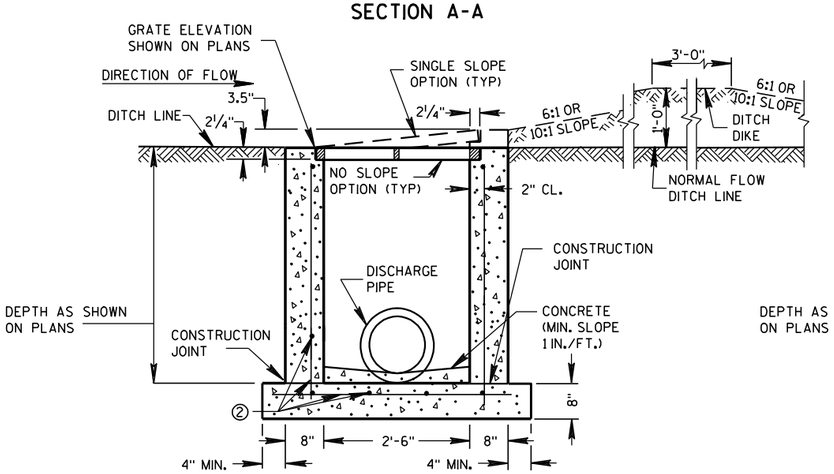
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



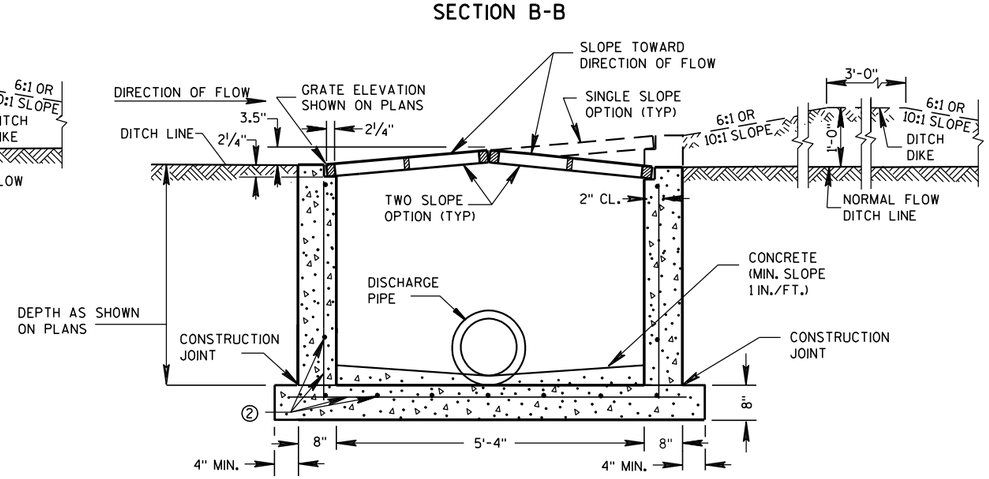
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

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

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

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

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

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

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

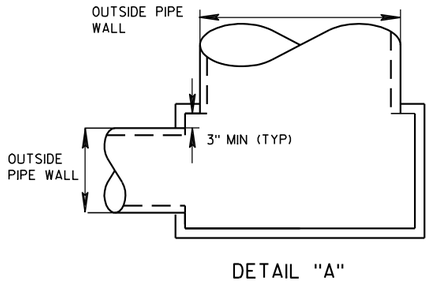
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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

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

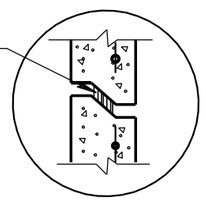
PIPE MATRIX

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



DETAIL "A"

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



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

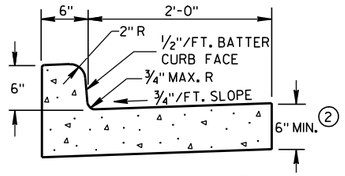
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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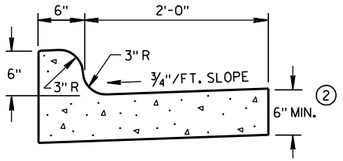
S.D.D. 8 C 8-1

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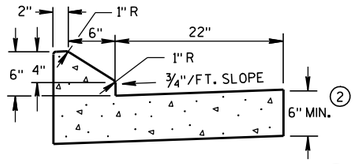
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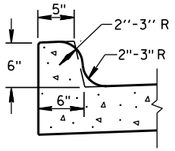
TYPES A & D (1)



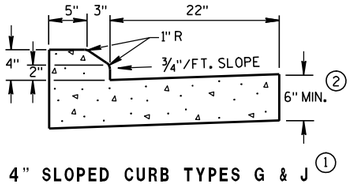
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

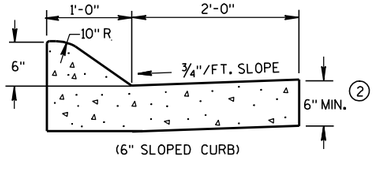


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

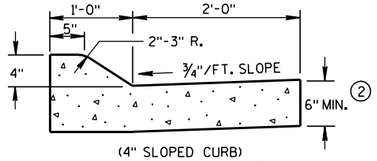


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

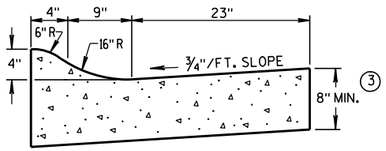


(6" SLOPED CURB)



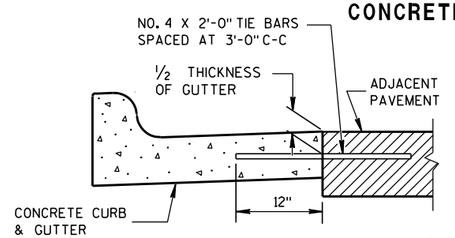
(4" SLOPED CURB)

TYPES A & D (1)

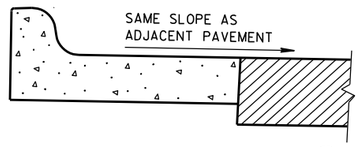


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"



TYPICAL TIE BAR LOCATION (1)



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

GENERAL NOTES

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

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

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

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

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

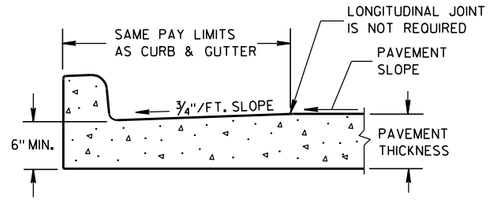
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

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

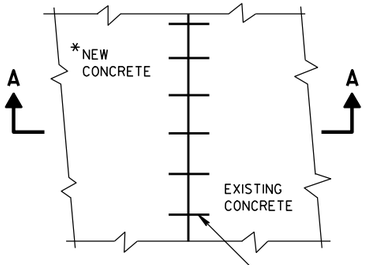
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

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

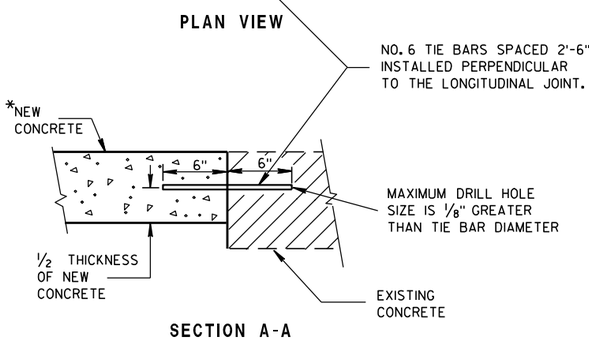


PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



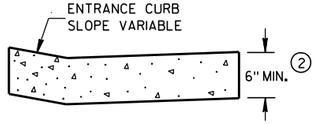
PLAN VIEW

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

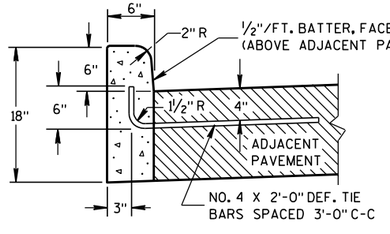


SECTION A-A

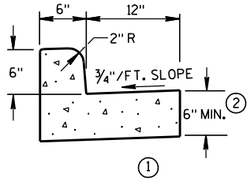
TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

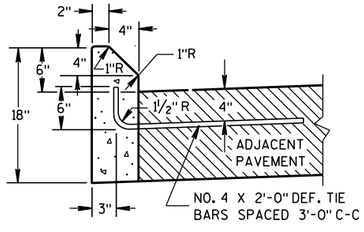


(1) TYPES A & D

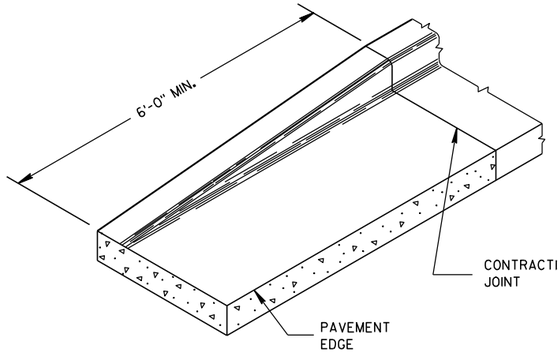


(1) TYPES A & D

CONCRETE CURB & GUTTER 18"



(1) TYPES G & J



END SECTION CURB & GUTTER

CONCRETE CURB

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

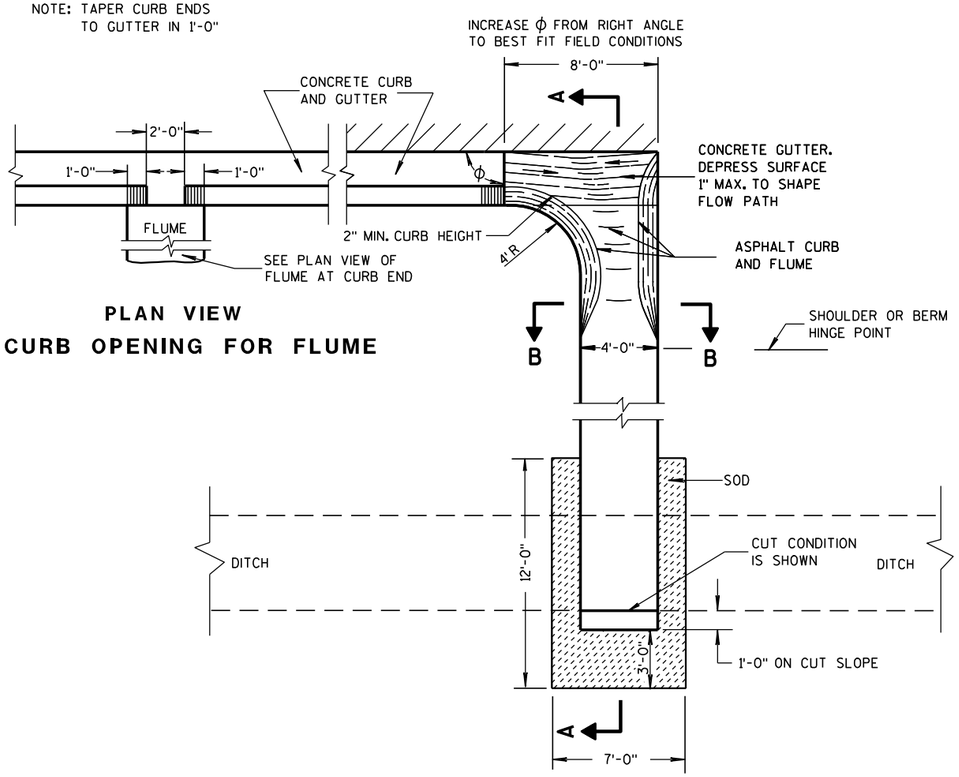
APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

FHWA ENT

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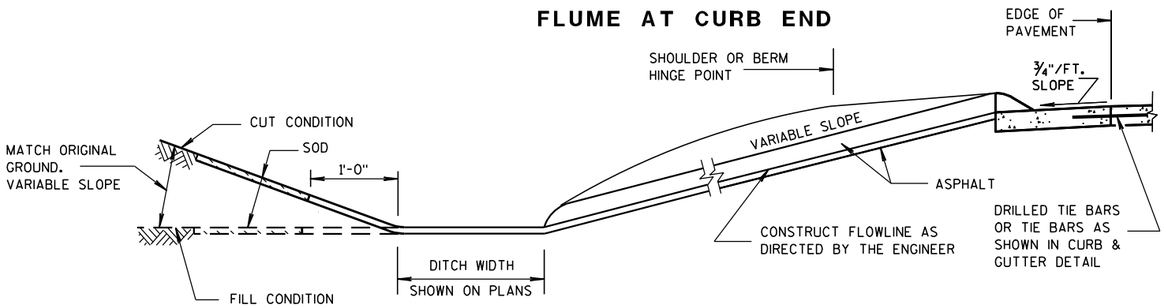
S.D.D. 8 D 1-17

ASPHALTIC FLUME

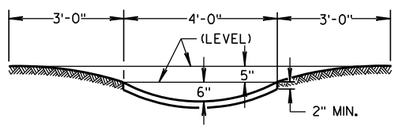


PLAN VIEW
CURB OPENING FOR FLUME

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.

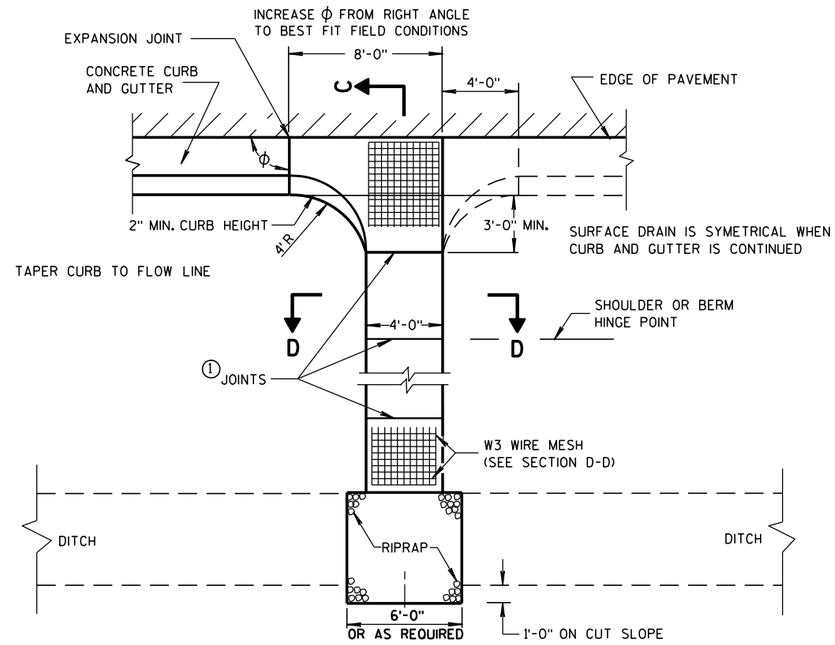
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

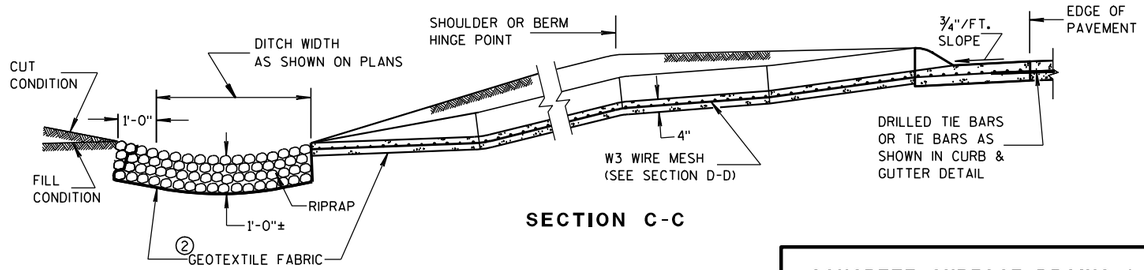
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

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

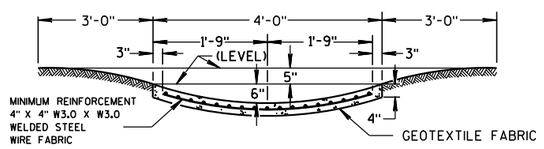
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

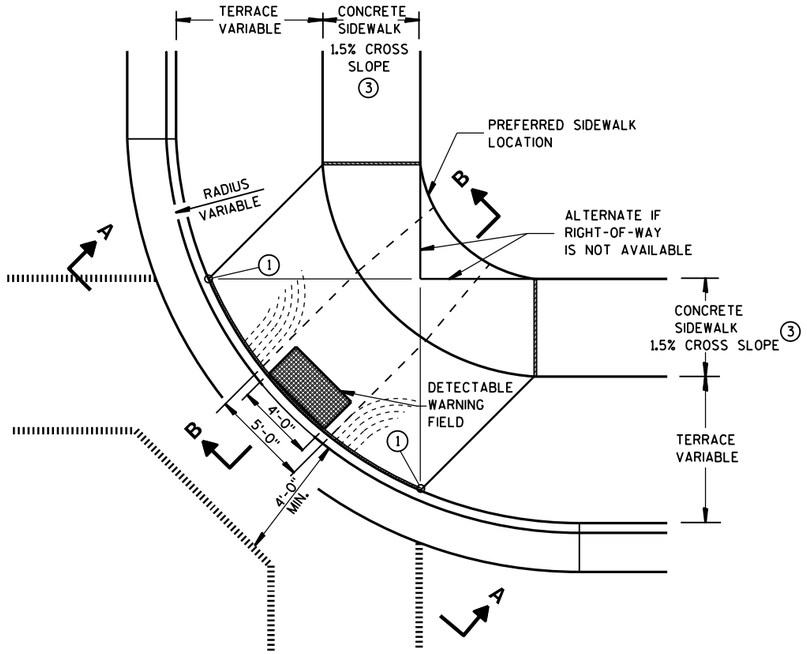
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
280
MENT
FHWA

6

S.D.D. 8 D 4-5

6

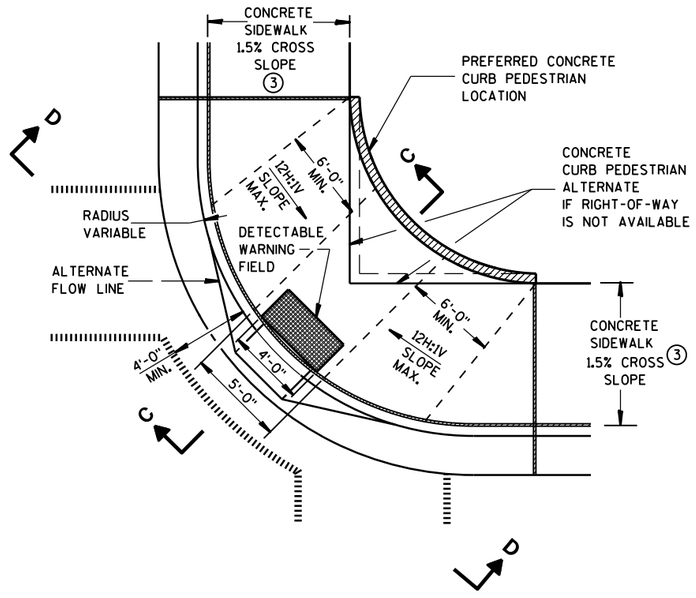
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

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.

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. 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.

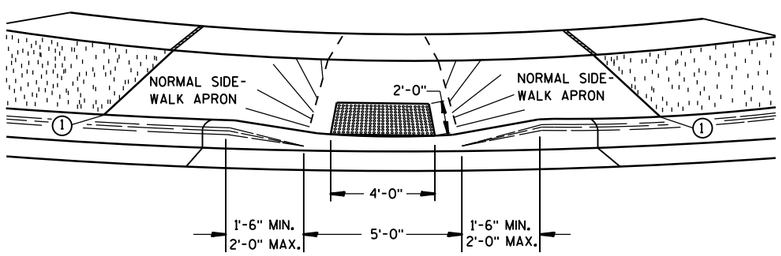
① THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

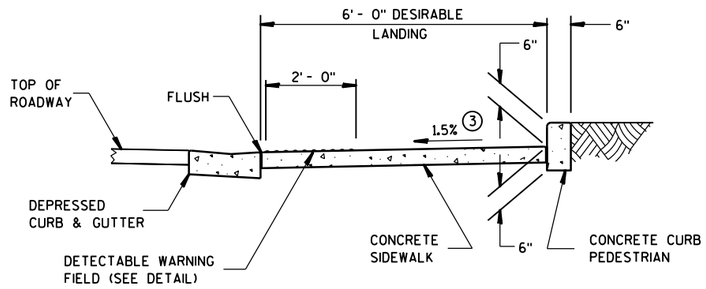
③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

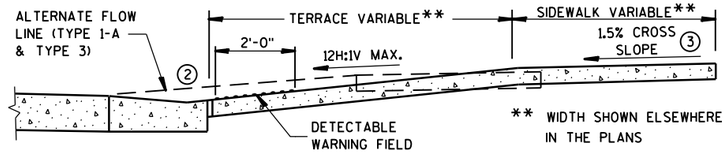
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



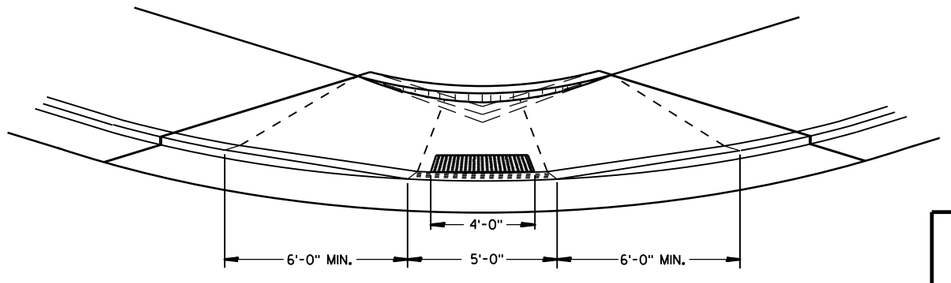
VIEW A-A



SECTION C-C



SECTION B-B



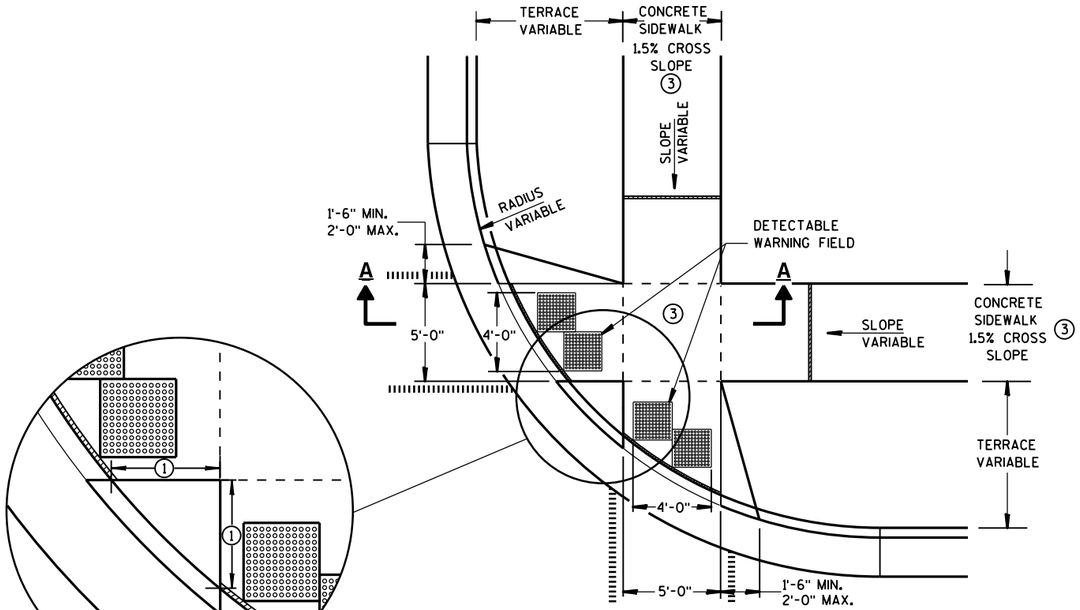
VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

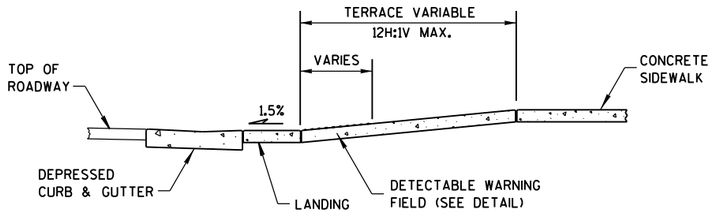
S.D.D. 8 D 5-15a



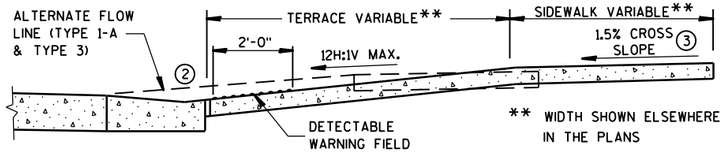
PLAN VIEW

TYPE 2 RAMP

(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

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

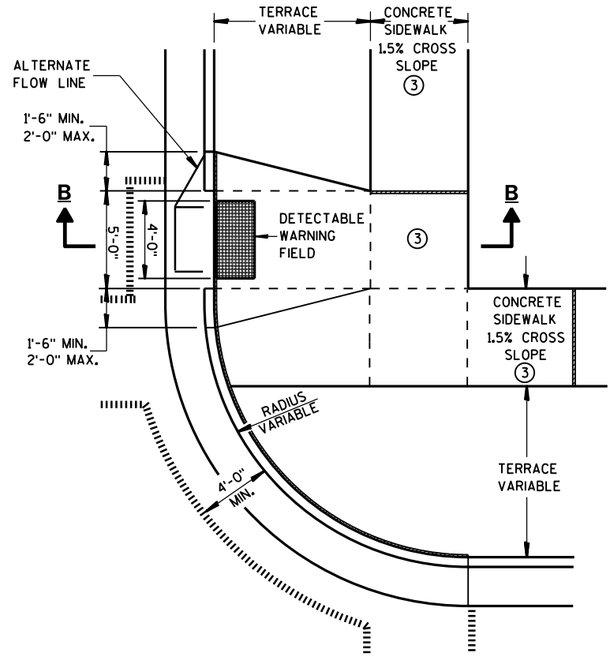
① WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

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



PLAN VIEW

TYPE 3 RAMP

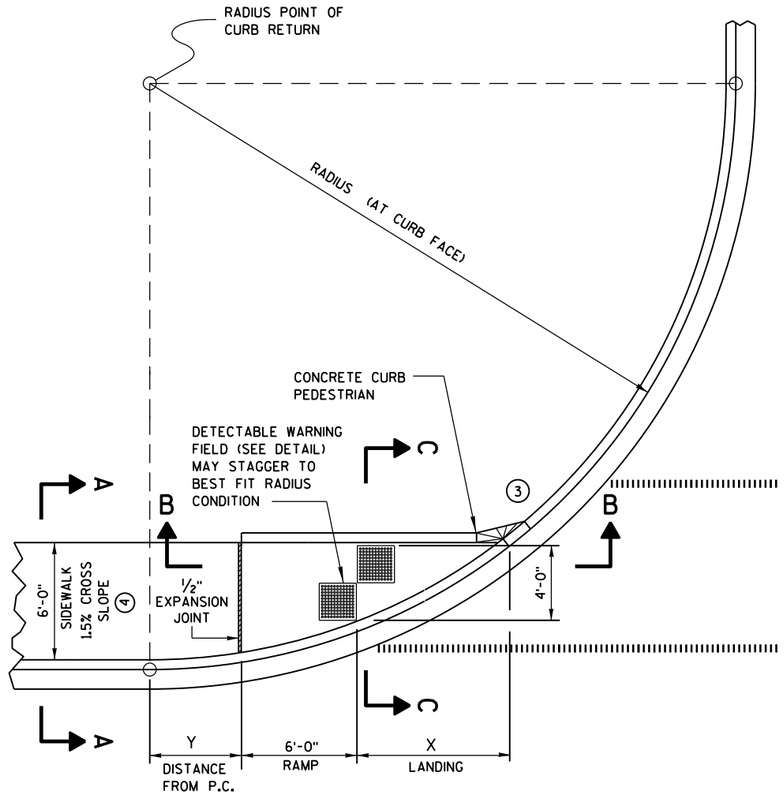
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

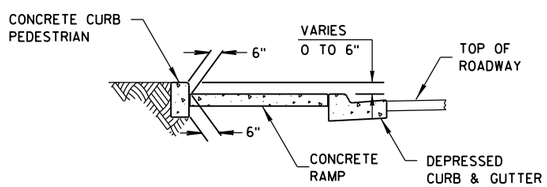
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

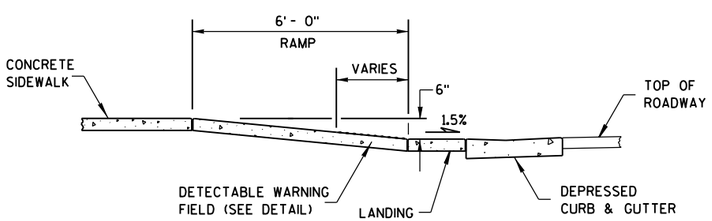
S.D.D. 8 D 5-15b



CURB RAMP TYPE 4A
PLAN VIEW



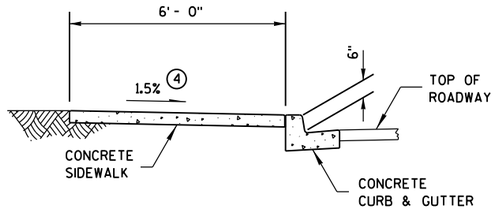
SECTION C-C FOR TYPE 4A



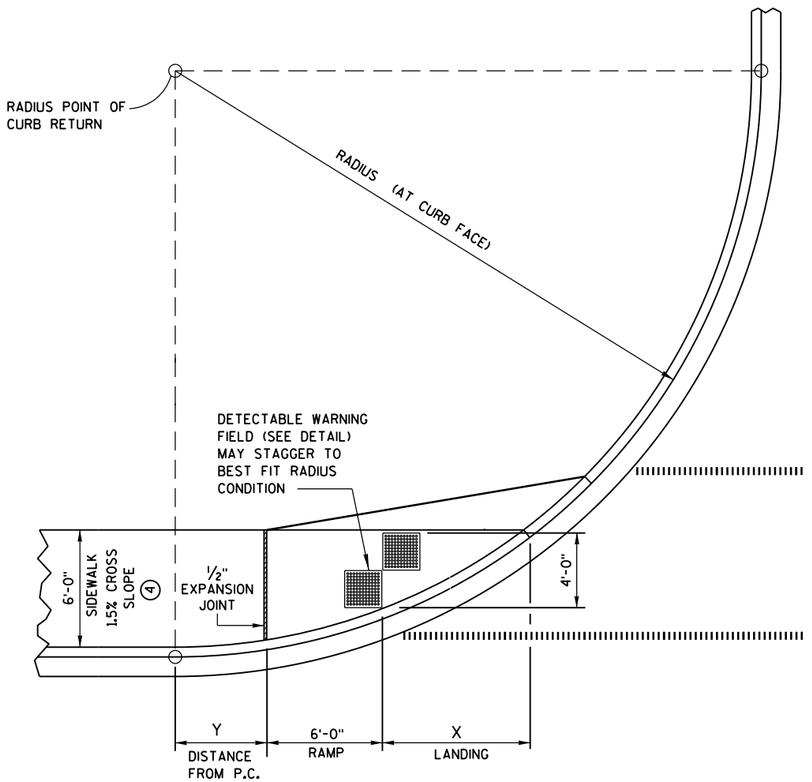
SECTION B-B FOR TYPE 4A

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

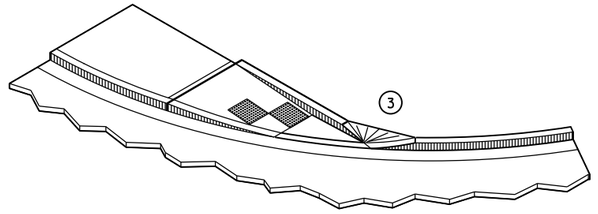
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

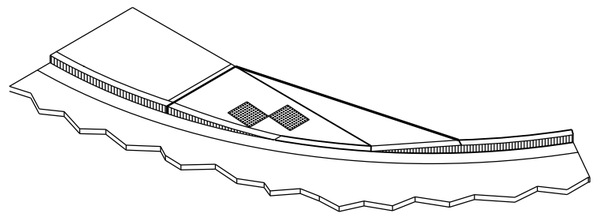
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

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

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



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

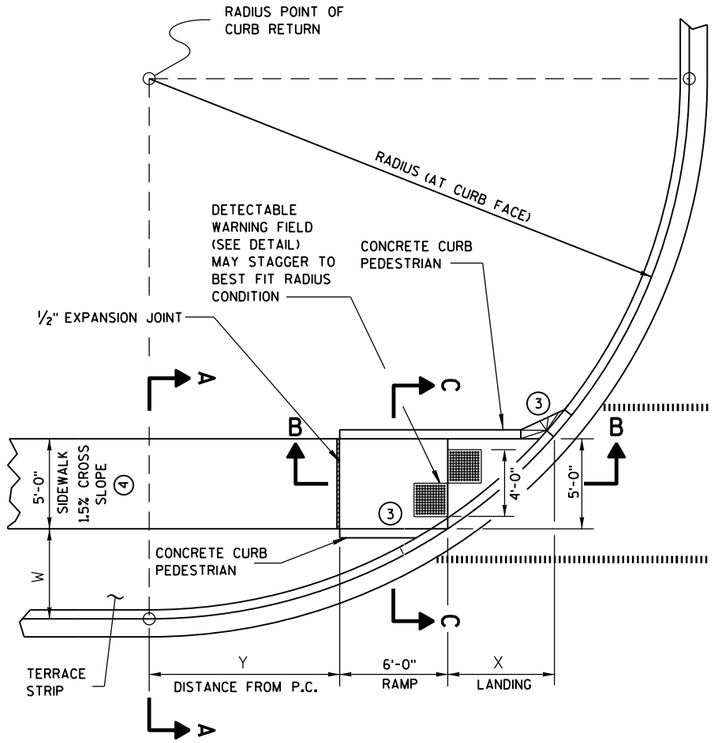
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

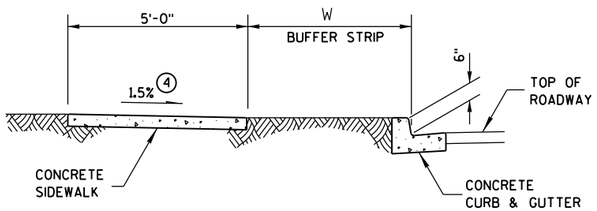
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

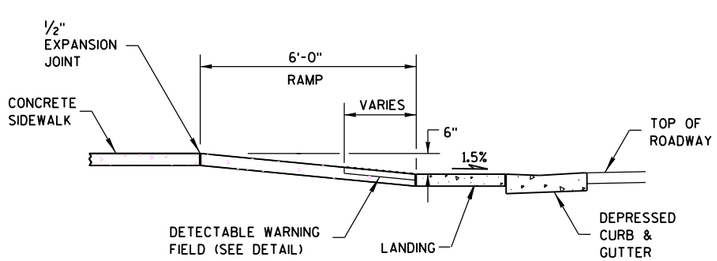
S.D.D. 8 D 5-15c



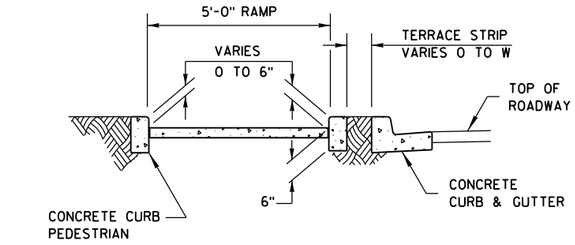
CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



SECTION B-B FOR TYPE 4B



SECTION C-C FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

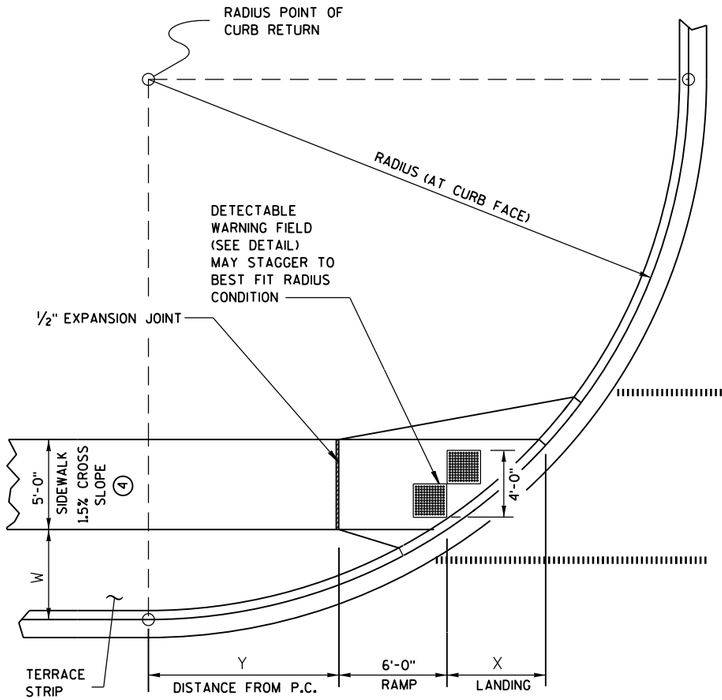
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

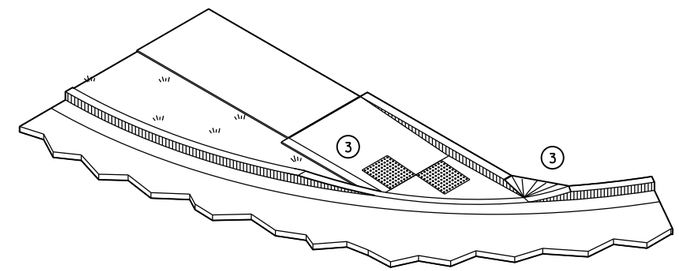
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

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

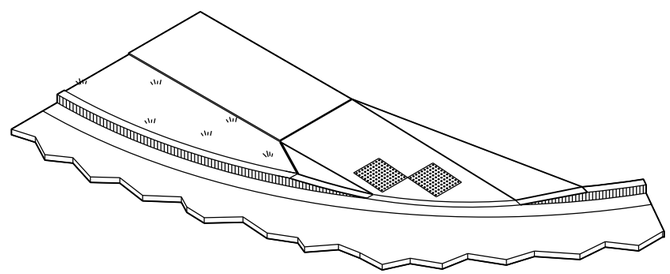
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



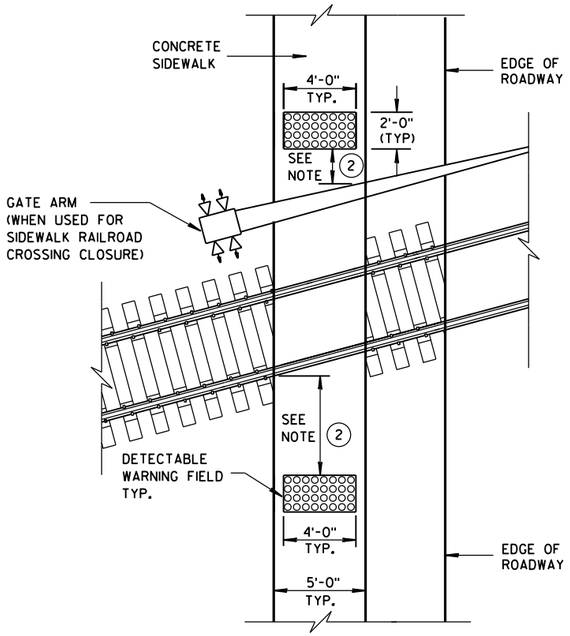
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

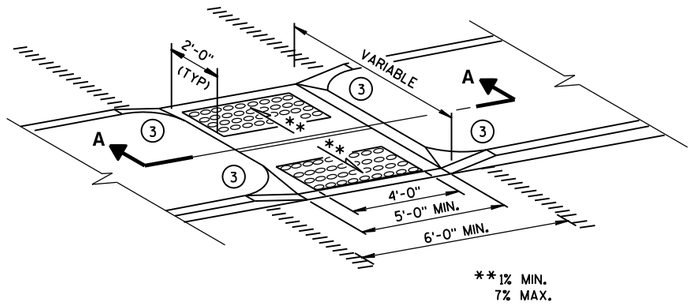
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

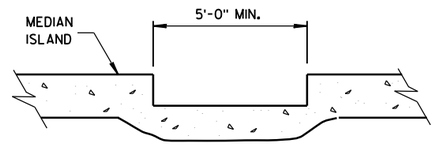
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

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

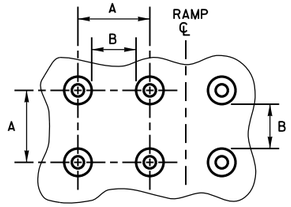
(2) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET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

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

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



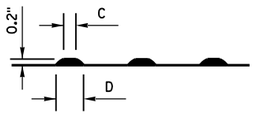
SECTION A-A



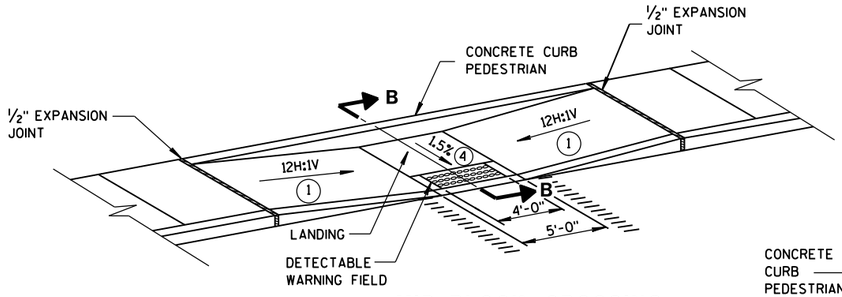
PLAN VIEW

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

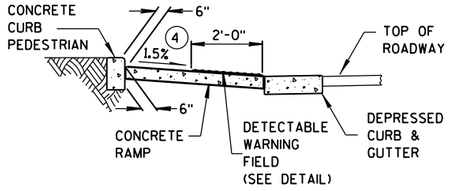
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



ELEVATION VIEW

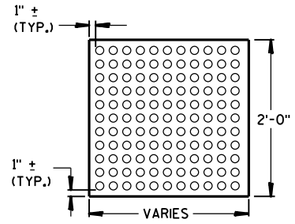


MID-BLOCK CROSSING
TYPE 7A



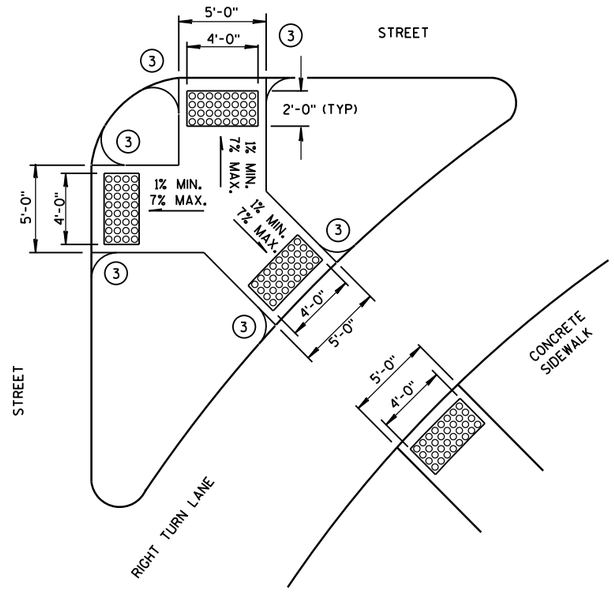
SECTION B-B

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

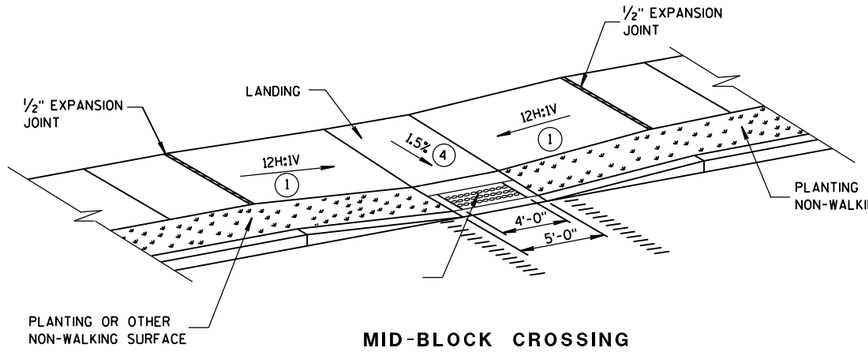


PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)



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 TRANSPORTATION

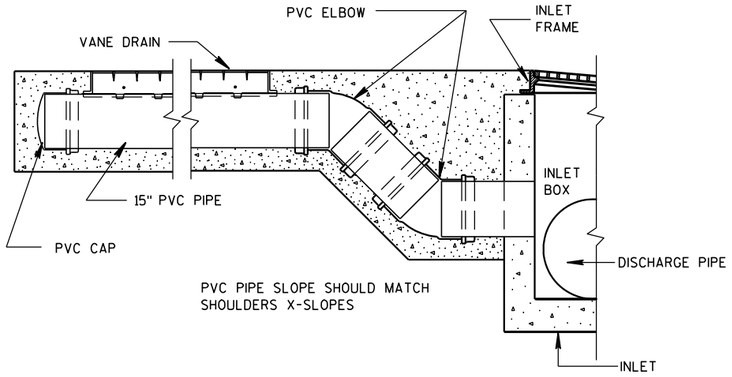
APPROVED
2-6-2013 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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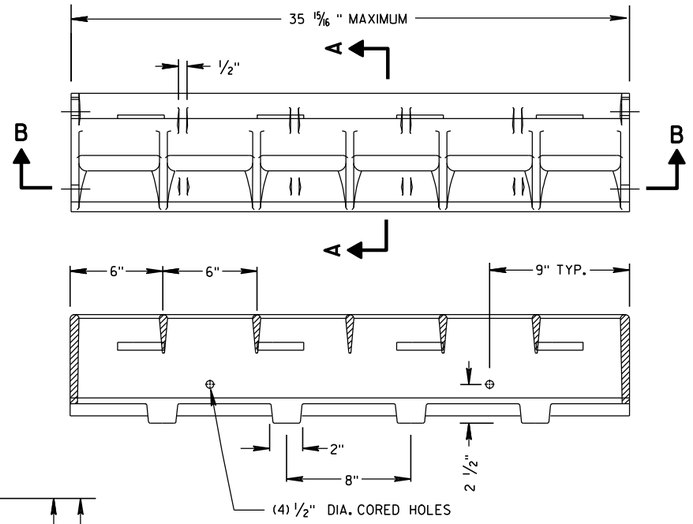
S.D.D. 8 D 5-15e

6

S.D.D. 8 D 5-15e



TYPICAL SLOTTED VANE DRAIN CONFIGURATION



SECTION B-B

SLOTTED VANE DRAIN DETAIL

(APPROXIMATE WEIGHT 87 LBS.)

GENERAL NOTES

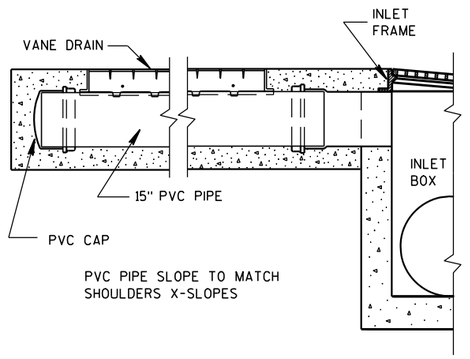
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ENCASEMENT: THE ENCASING MATERIAL AROUND THE PIPE SHALL BE IN ACCORDANCE WITH SPECIFICATIONS OF 501.4.3.3 FOR CONCRETE PAVEMENT.

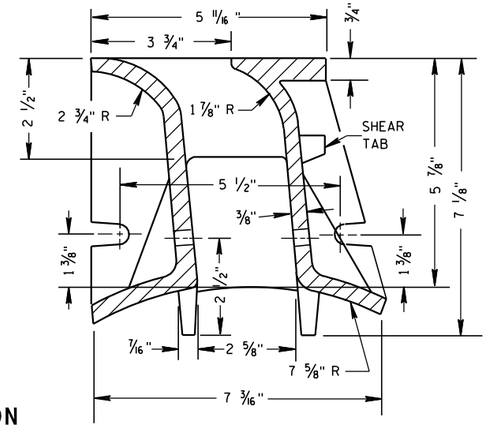
THE PIPE USED SHALL BE A 15" DIAMETER SDR-35 POLYVINYL CHLORIDE SEWER PIPE. THE PIPE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN STANDARD SPECIFICATION 612.2.6

SURFACE DRAIN: BEFORE PAVING OVER THE DRAIN, COVER THE TOP OF THE DRAIN TO KEEP MATERIAL OUT OF THE PIPE. THE FINISHED GRADE SHOULD BE FLUSH WITH THE TOP OF THE DRAIN.

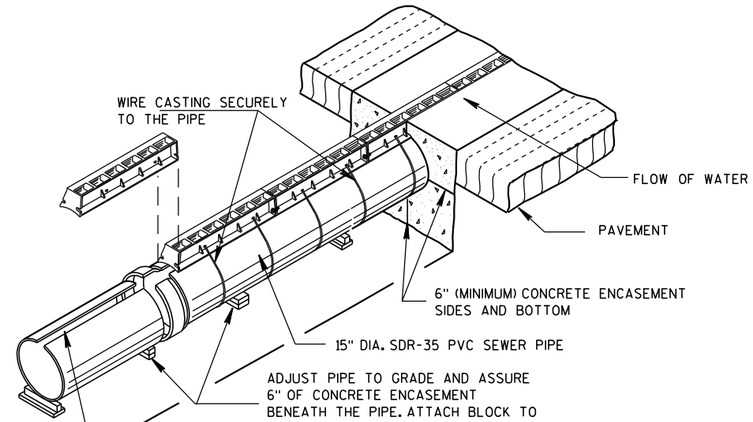
THE ANGLE OF THE DRAIN TO THE FLOW OF WATER SHOULD BE AS CLOSE TO 90° AS POSSIBLE.



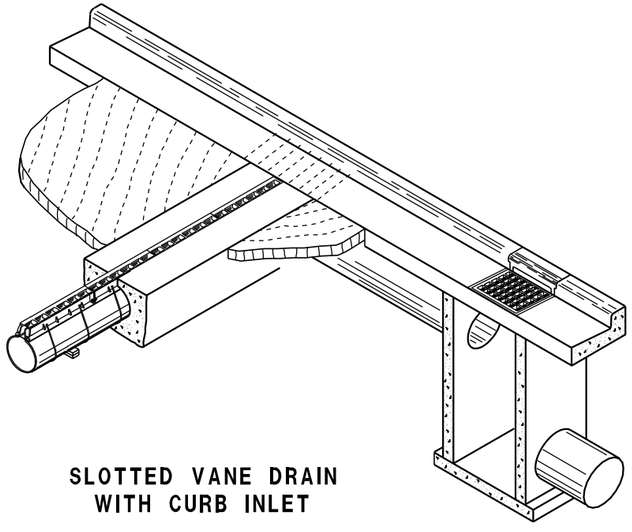
TYPICAL SLOTTED VANE DRAIN CONFIGURATION



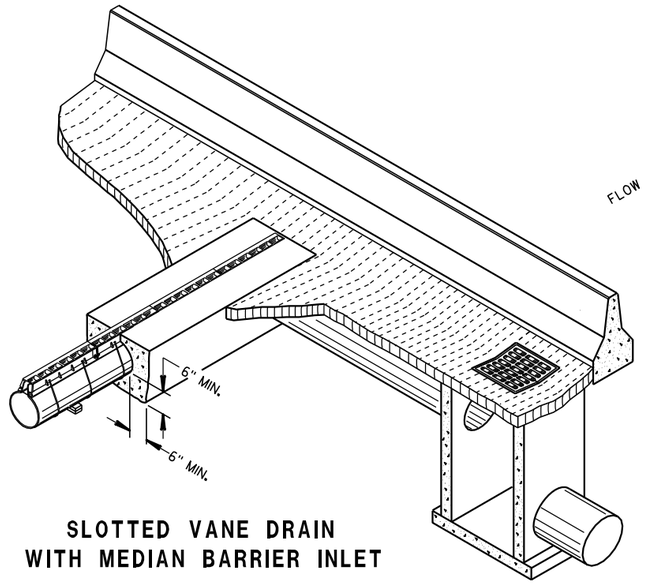
SECTION A-A



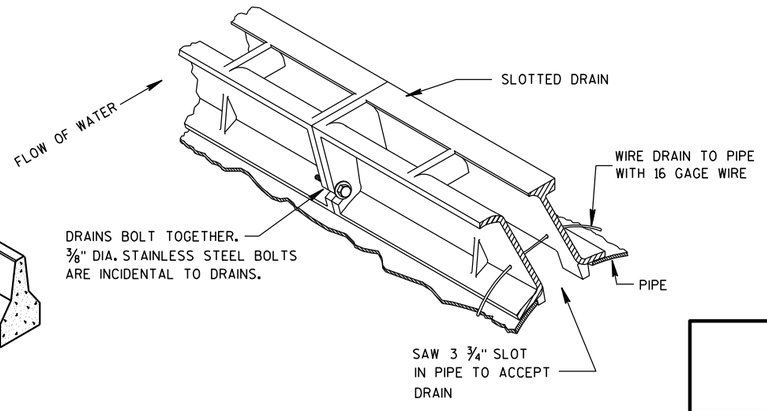
INSTALLATION OF SLOTTED VANE DRAIN



SLOTTED VANE DRAIN WITH CURB INLET



SLOTTED VANE DRAIN WITH MEDIAN BARRIER INLET



ISOMETRIC VIEW

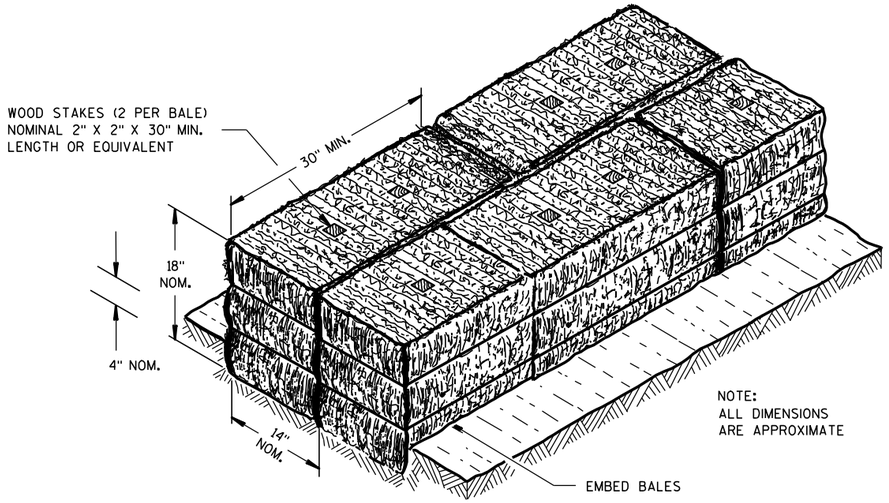
SLOTTED VANE DRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

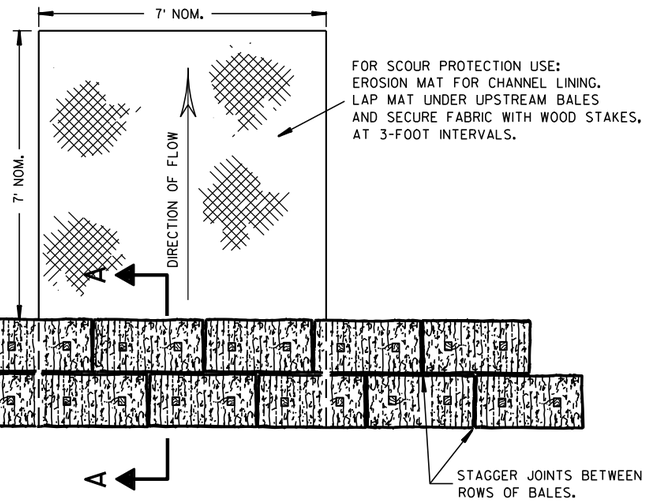
APPROVED
6/13/00 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6 S.D.D. 8 D 14-1

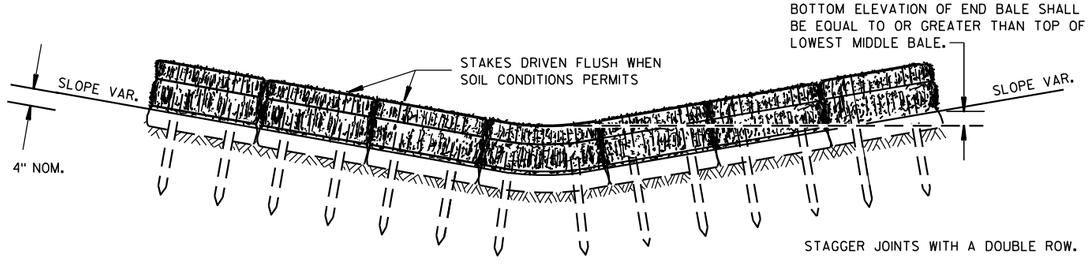
6 S.D.D. 8 D 14-1



SECTION A-A



PLAN VIEW



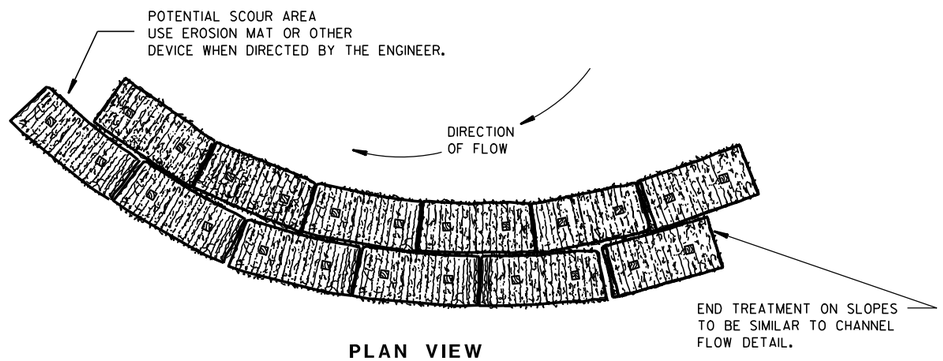
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

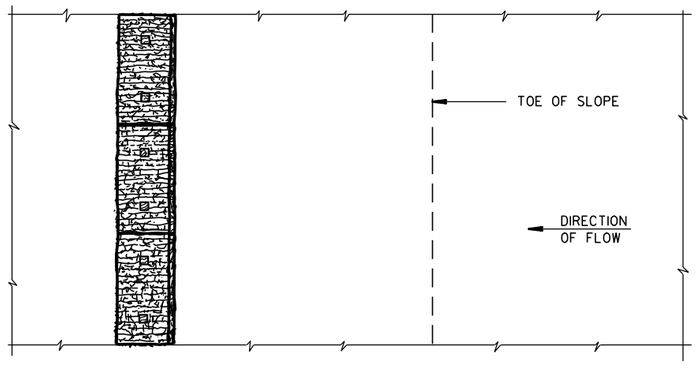
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

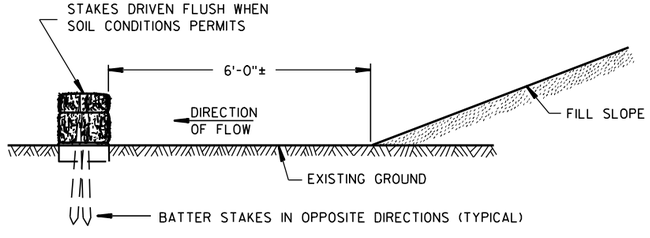


PLAN VIEW

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

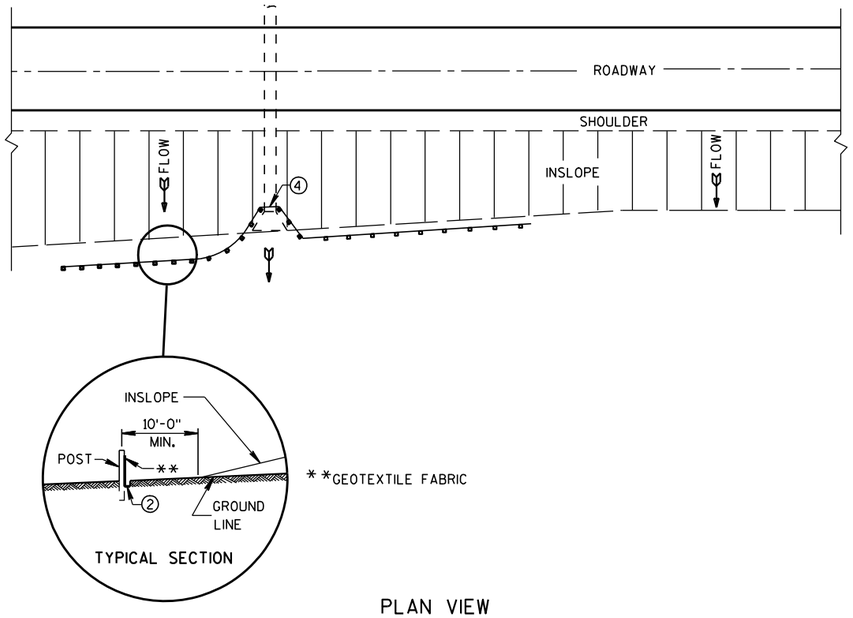
FHWA

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S.D.D. 8 E 8-3

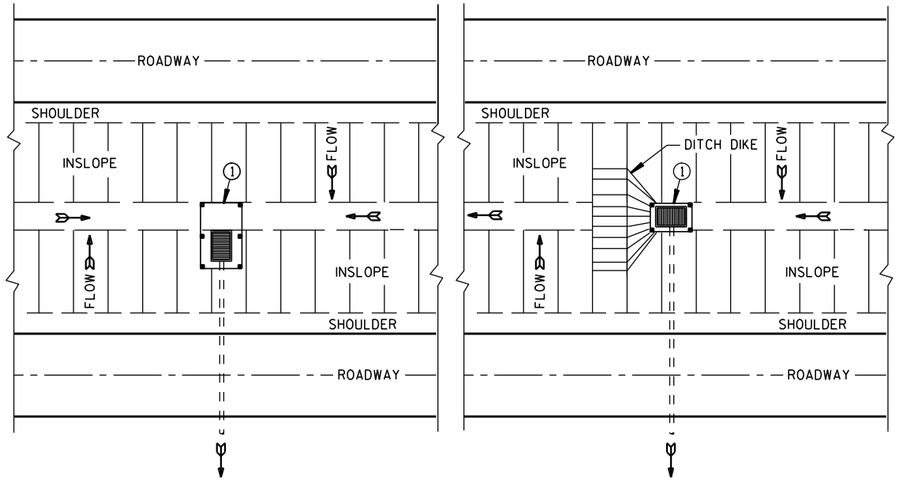
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



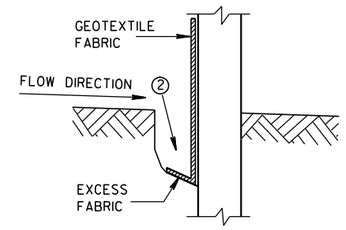
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

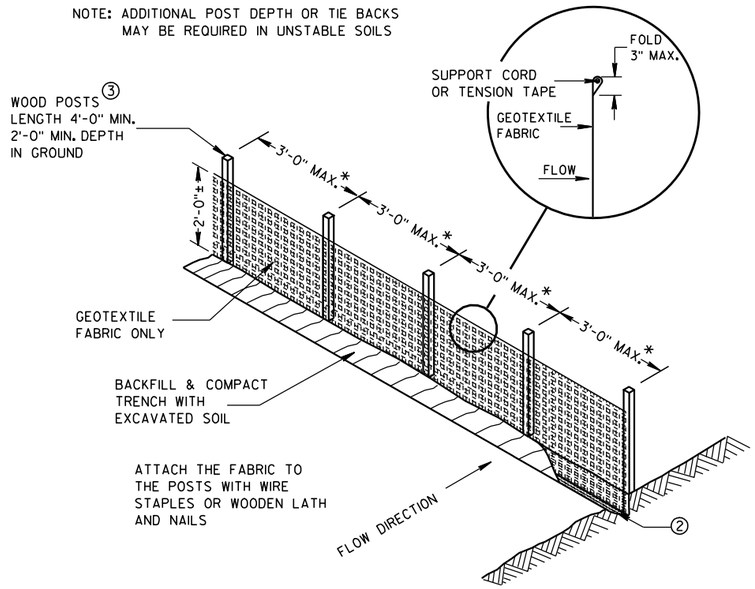
GENERAL NOTES

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

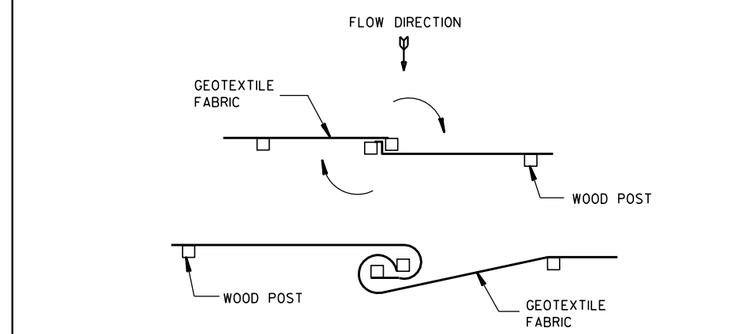
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



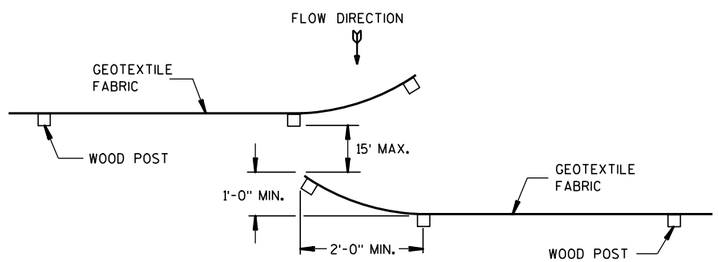
TRENCH DETAIL



SILT FENCE

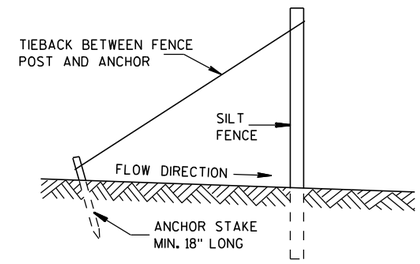


TWIST METHOD



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

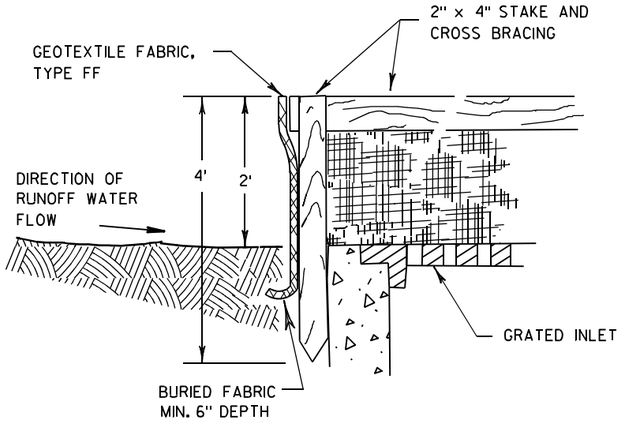
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

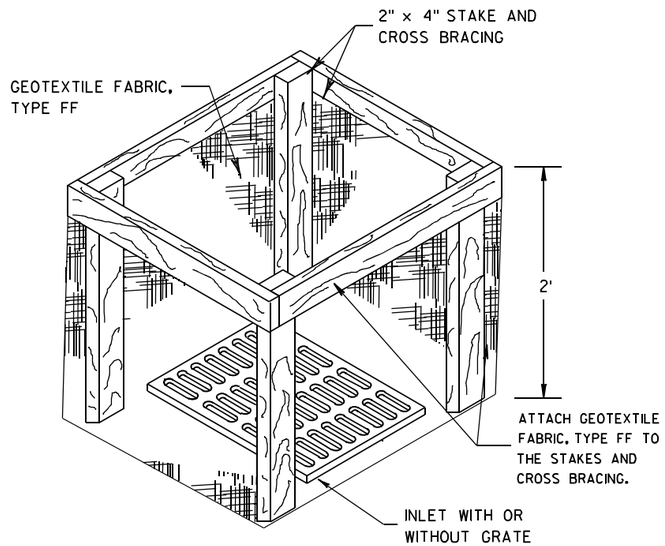
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S.D.D. 8 E 9-6

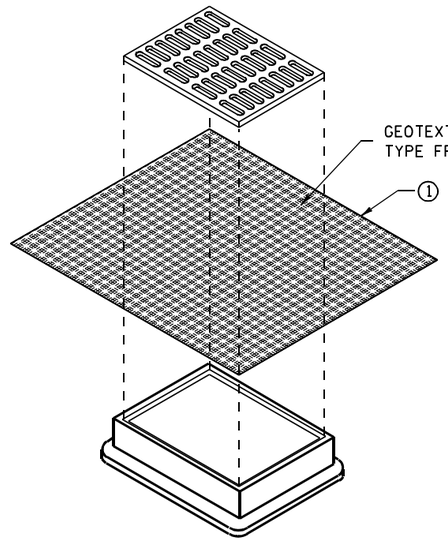
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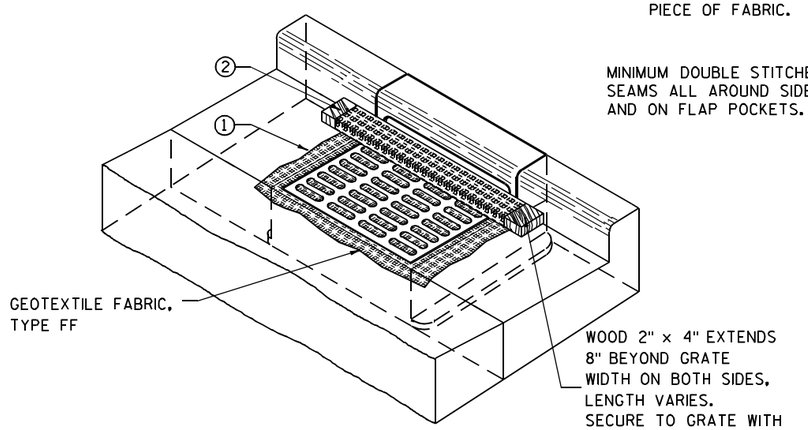


INLET PROTECTION, TYPE A

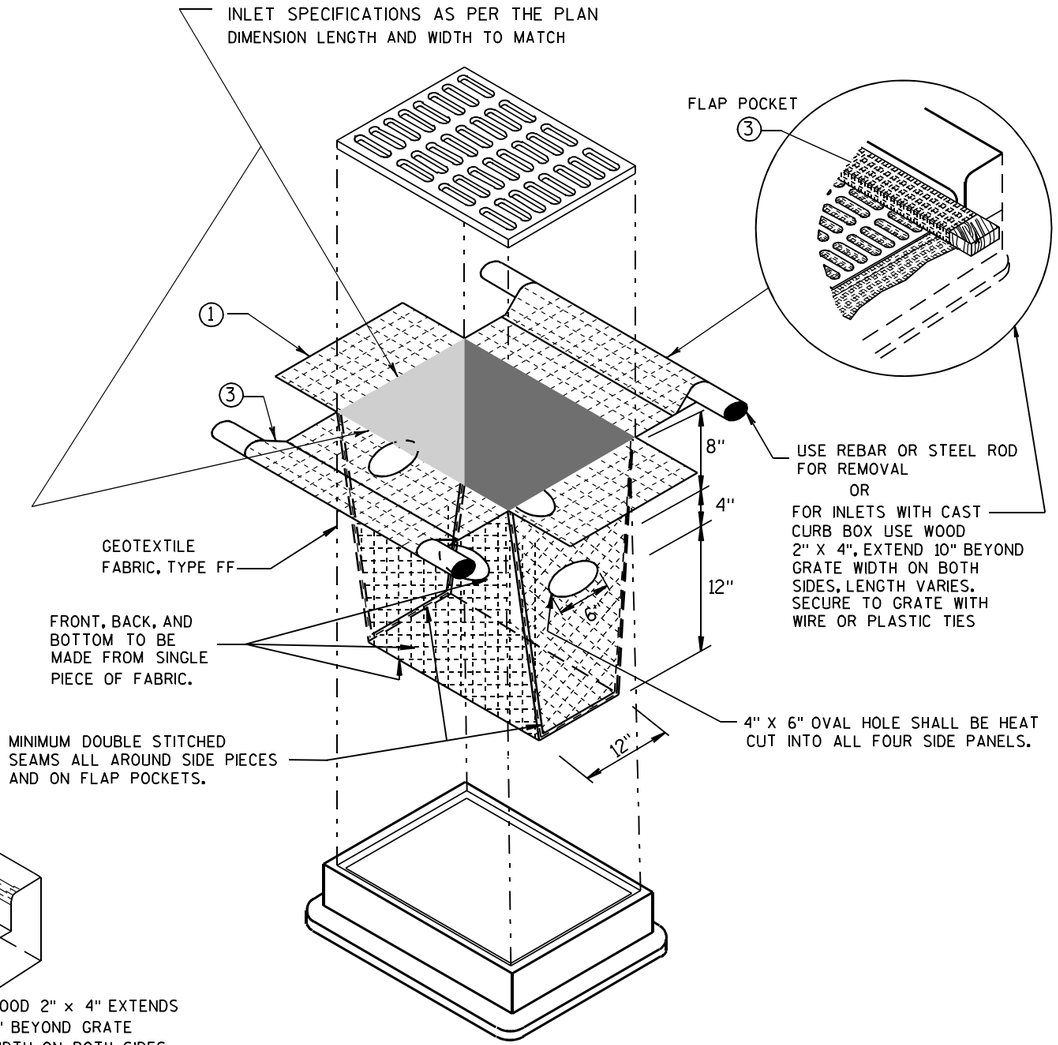


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

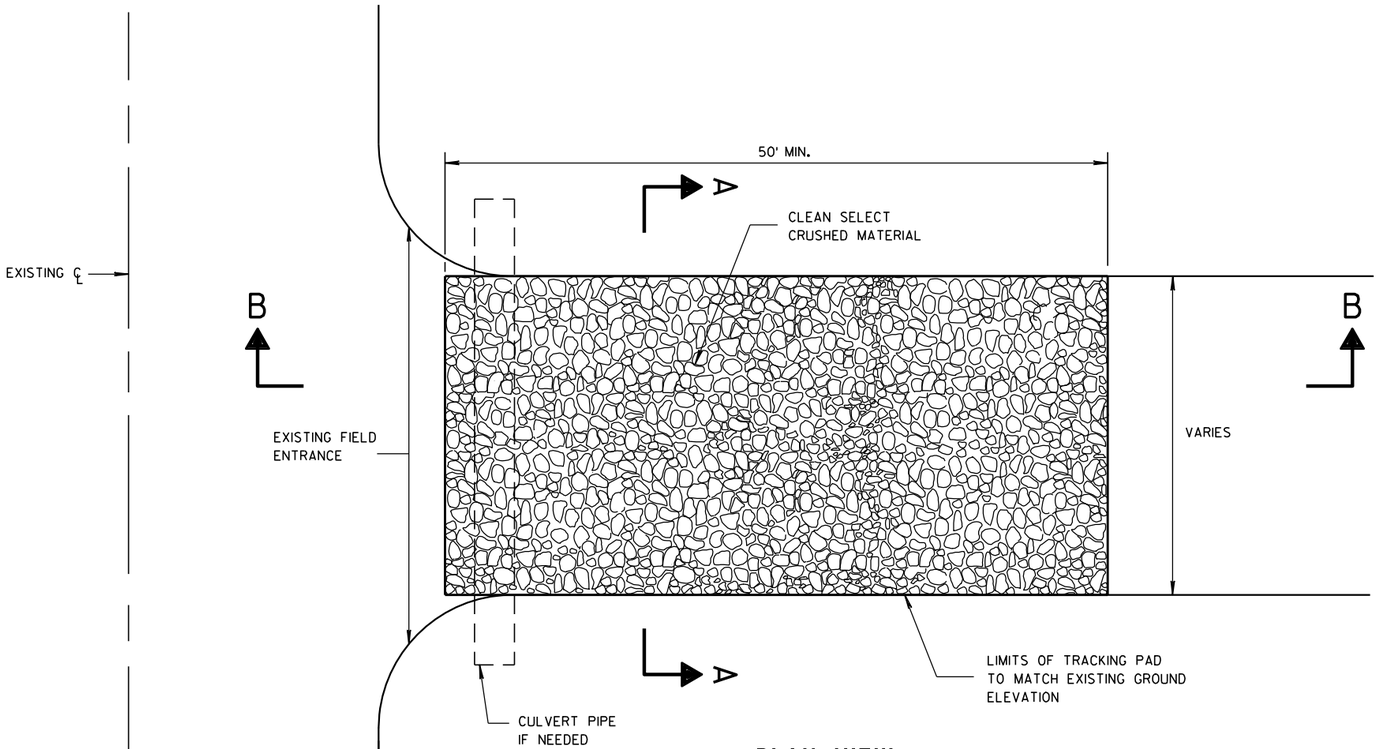
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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

INLET PROTECTION
TYPE A, B, C, AND D

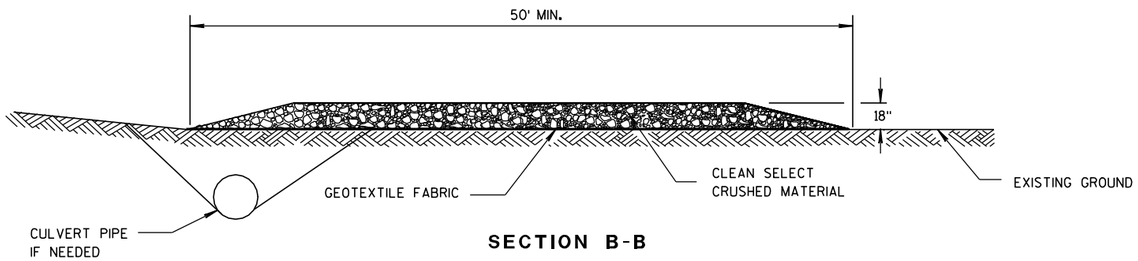
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 8 E 10-2



PLAN VIEW



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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

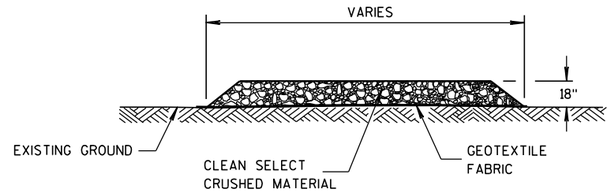
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

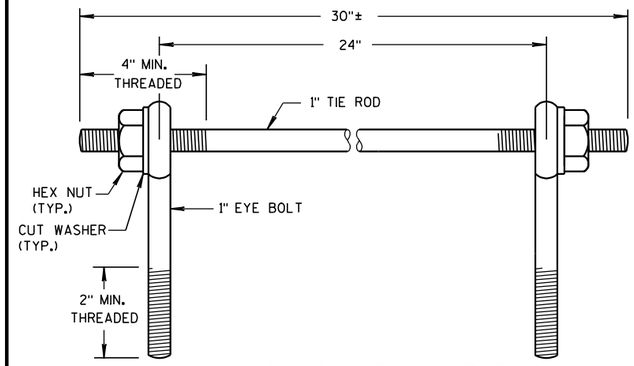
3/24/2011	/S/ Jerry H. Zoda	
DATE	ROADWAY STANDARDS ENGINEER	ENT

FHWA

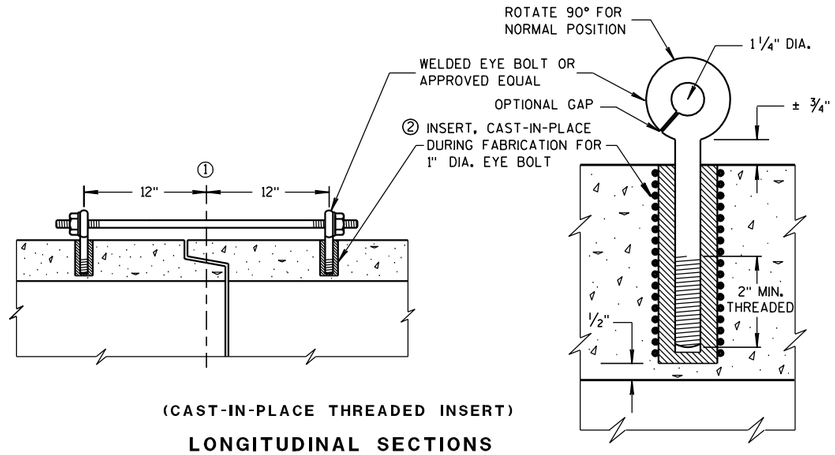
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S.D.D. 8 E 14-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

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

GENERAL NOTES

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

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

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

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

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

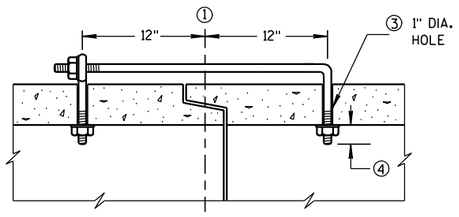
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

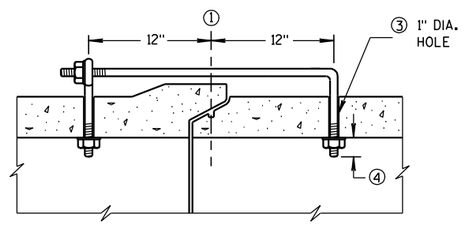
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

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



(TONGUE & GROOVE PIPE)

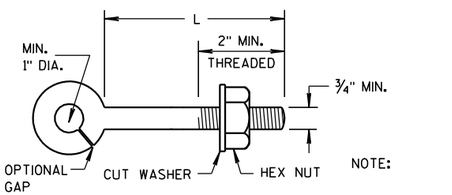


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

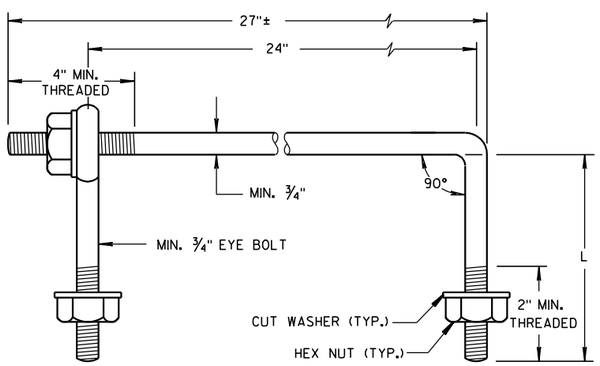
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

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



EYE BOLT AND TIE ROD

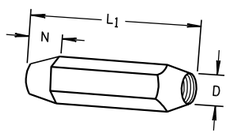
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

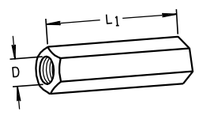
ADJUSTABLE TIE ROD TABLE

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

DIMENSIONS SHOWN ARE IN INCHES



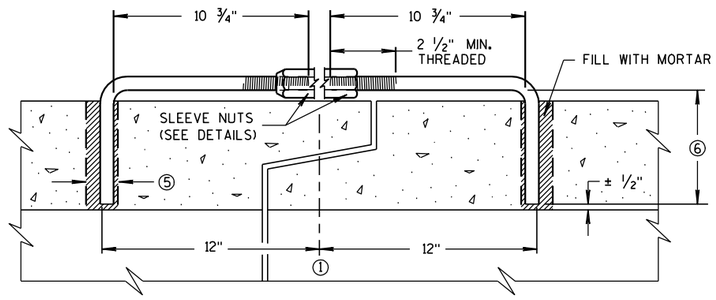
TAPERED



PLAIN

RIGHT AND LEFT THREADS

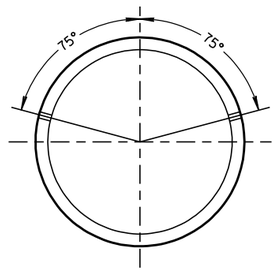
SLEEVE NUTS



LONGITUDINAL SECTION

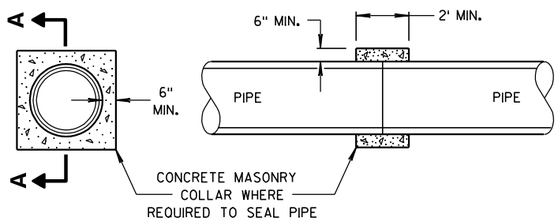
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

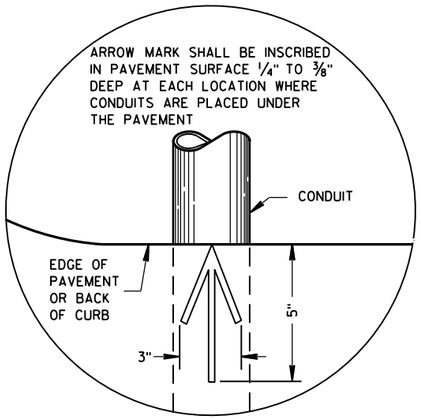
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 F 4-7

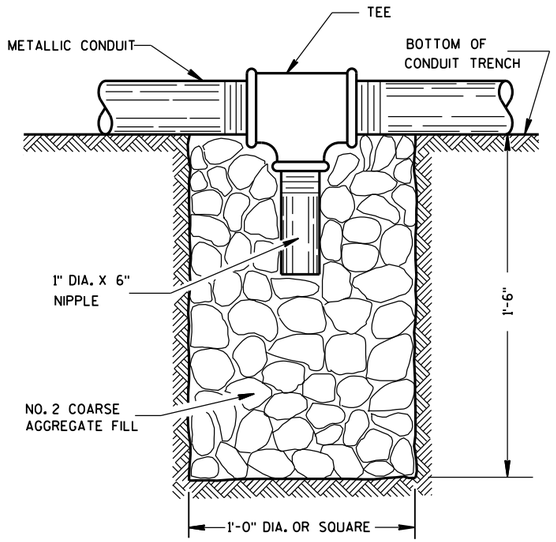
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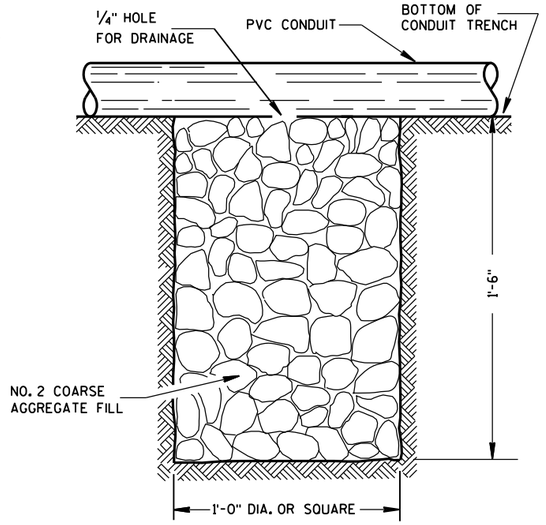
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

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.

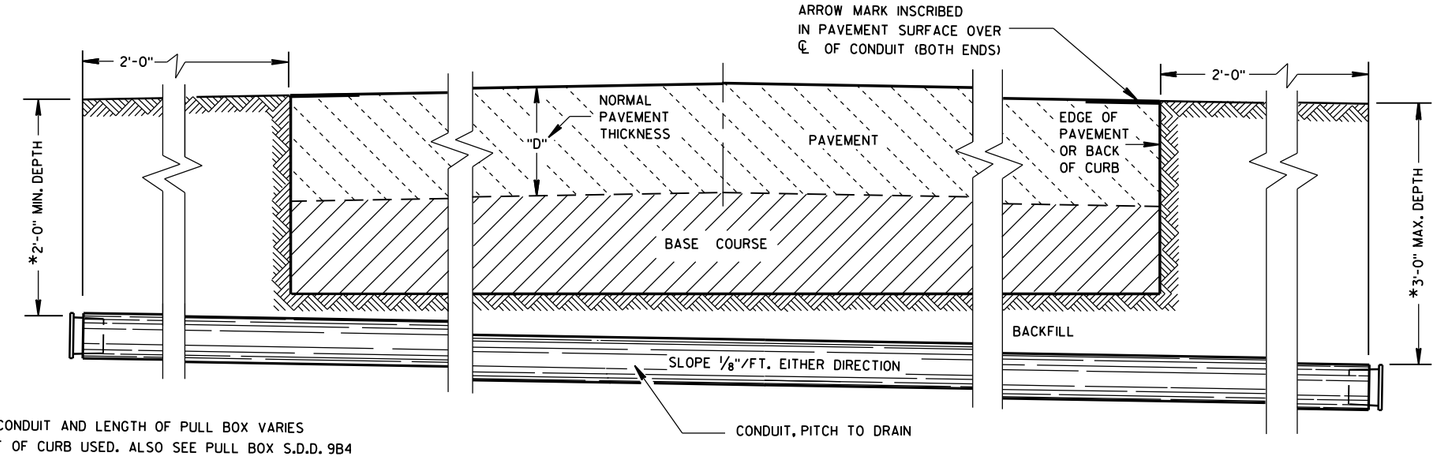
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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.).

POLY ROPE OR A PULL 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.



*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

CONDUIT UNDER PAVED HIGHWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 — DATE

/S/ Ahmet Demirbilek — STATE ELECTRICAL

FHWA

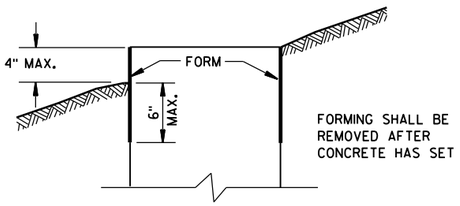
6

S.D.D. 9 B 2-8

6

S.D.D. 9 B 2-8

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



FORMING DETAIL

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

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS 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.

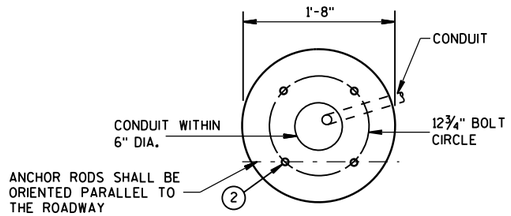
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

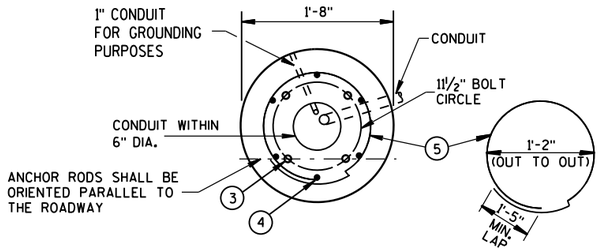
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

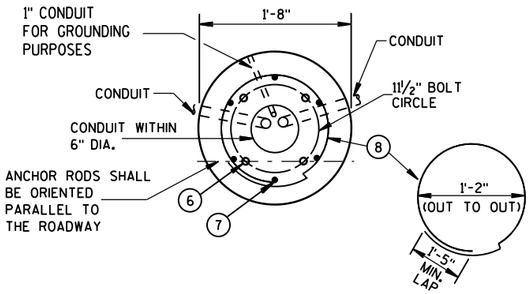
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



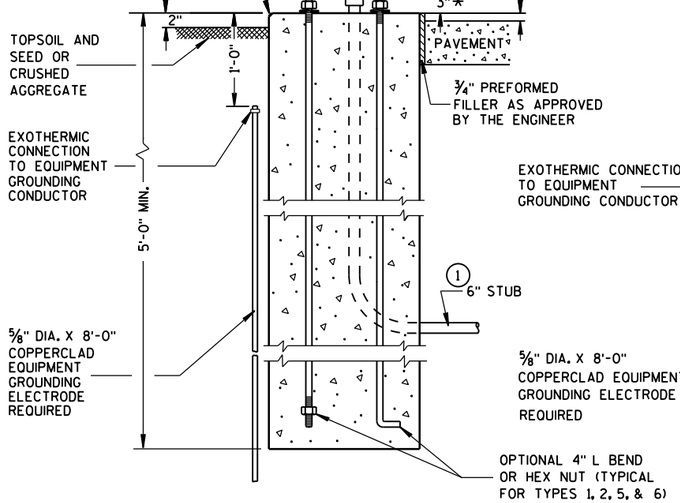




FORM ALL EXPOSED CONCRETE. PROVIDE 1" CHAMFER ALL AROUND

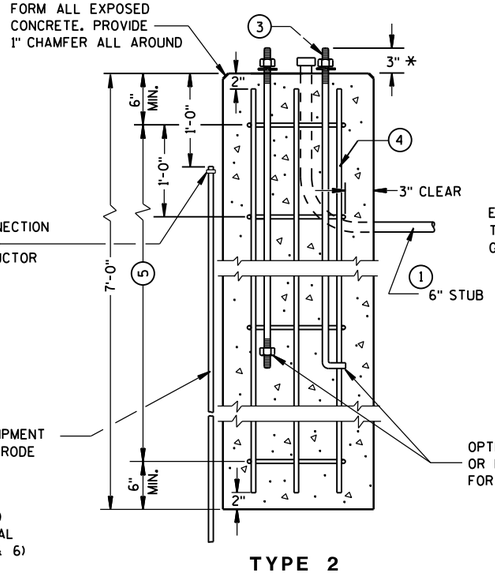
HALF SECTION IN UNPAVED AREA

(TYPICAL FOR TYPES 1, 2, 5, & 6)

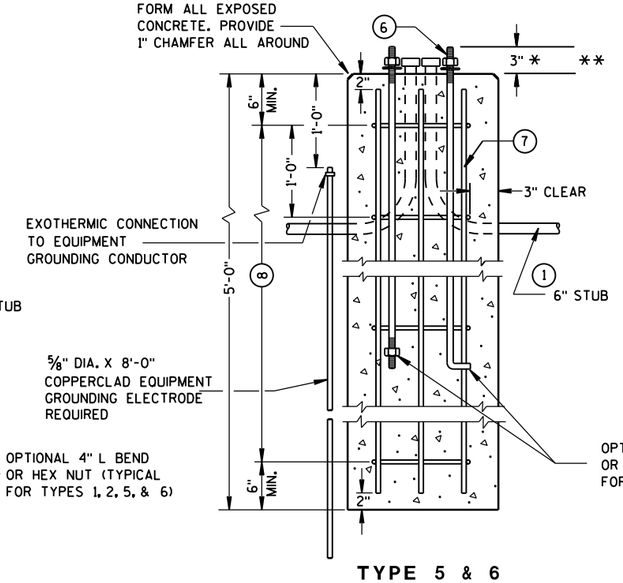


HALF SECTION IN PAVEMENT

(TYPICAL FOR TYPES 1, 2, 5, & 6)



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

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DEPARTMENT OF TRANSPORTATION

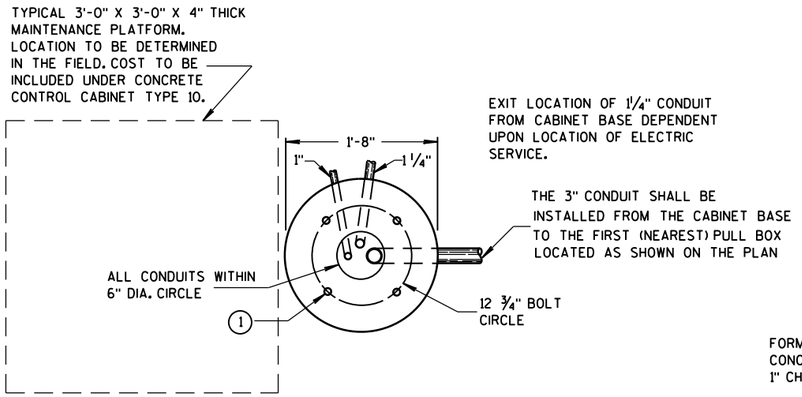
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Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

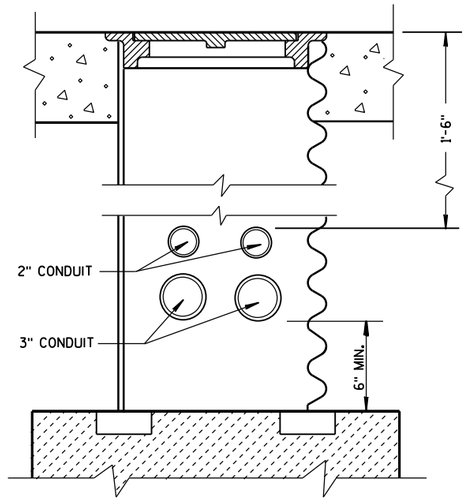
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S.D.D. 9 C 2-7

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 *

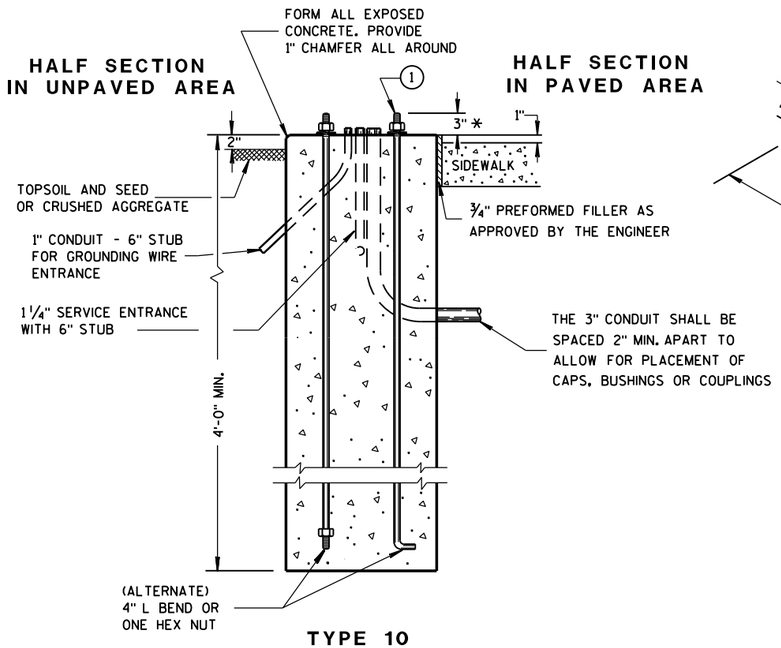
* INCLUDES MAINTENANCE PLATFORM.



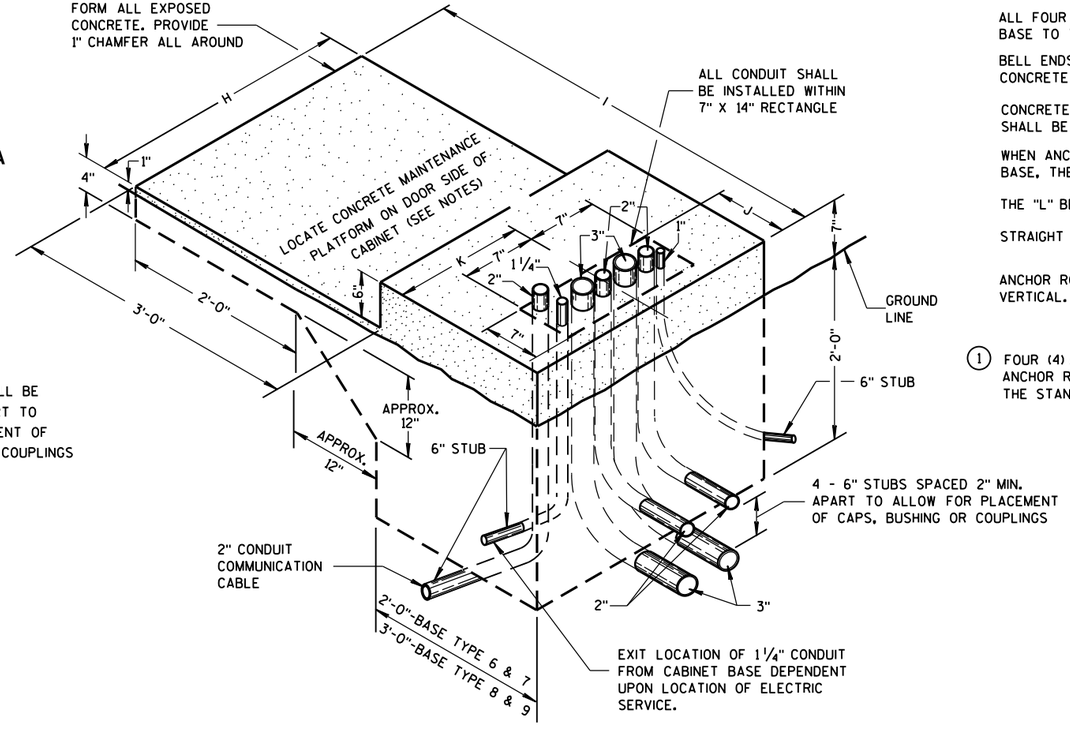


CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)



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.

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.

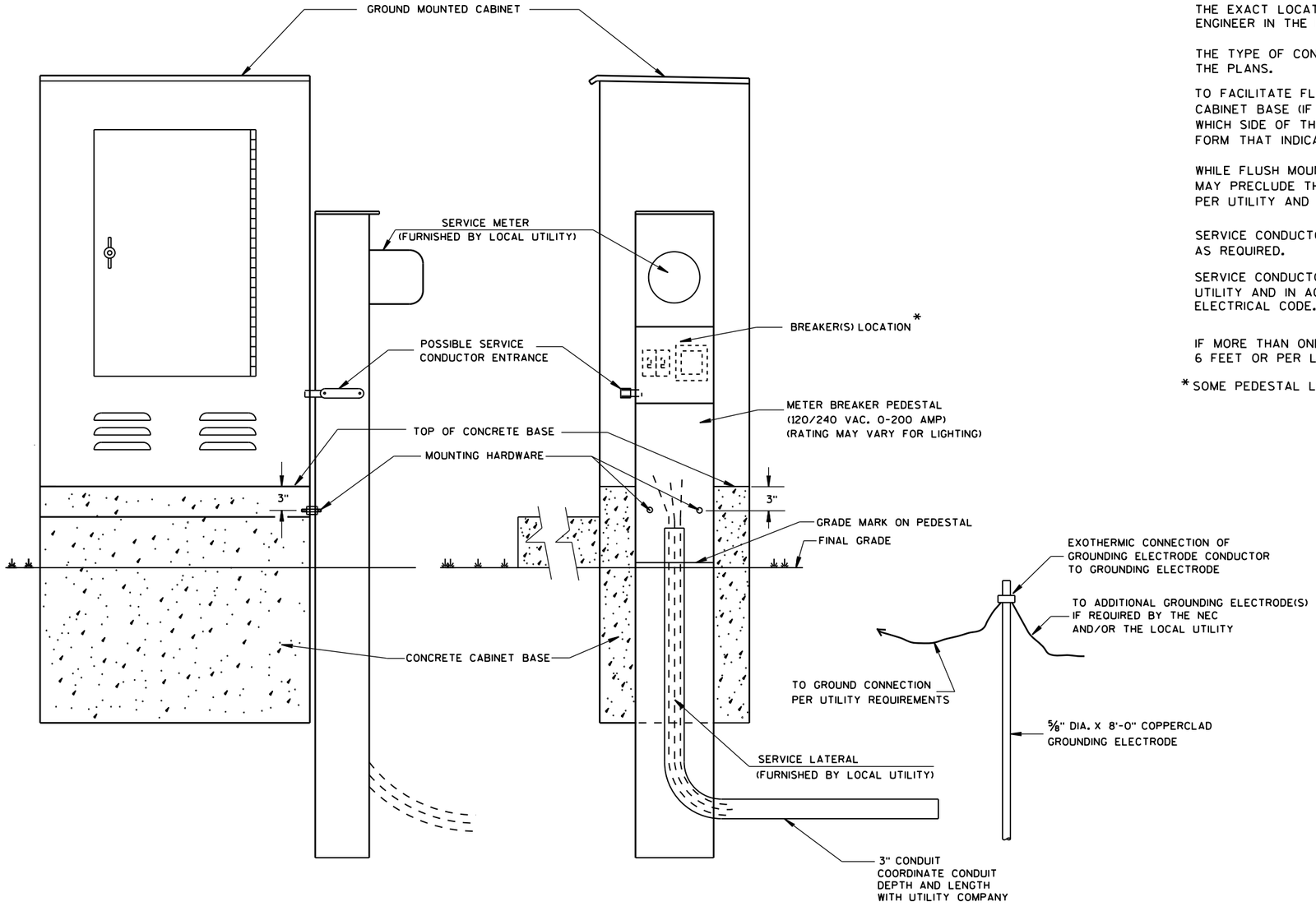
CONCRETE CONTROL CABINET BASES

CONCRETE CONTROL CABINET BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

GENERAL NOTES

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

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

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

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

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

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

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

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

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 9 D 1-5

GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE-WIRED BY THE CABINET FABRICATOR.

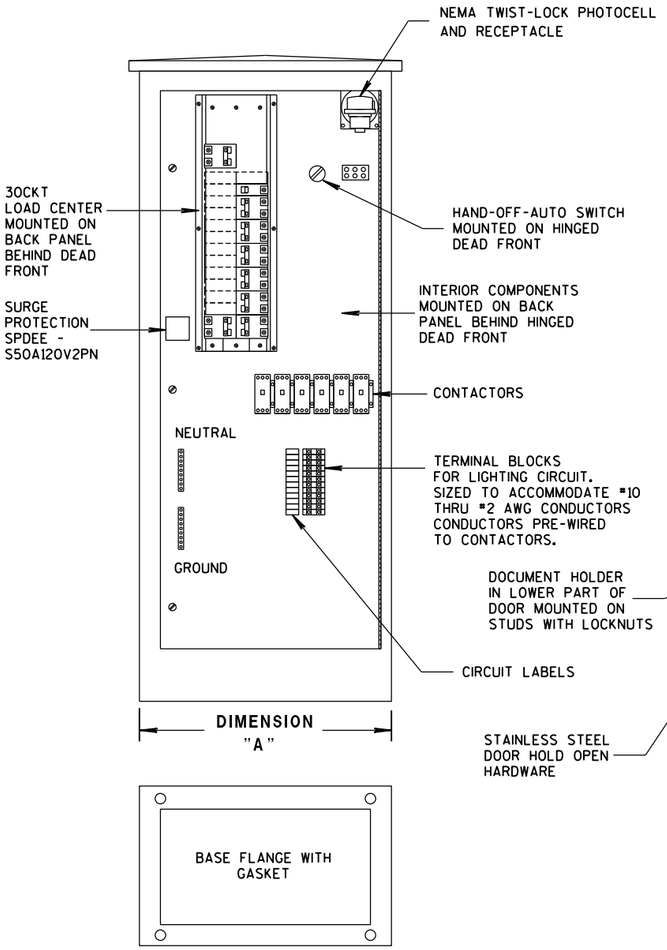
ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

FRONT INTERIOR ELEVATION



SIDE VIEW

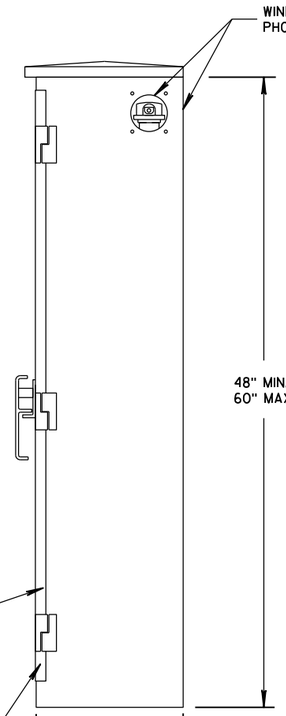
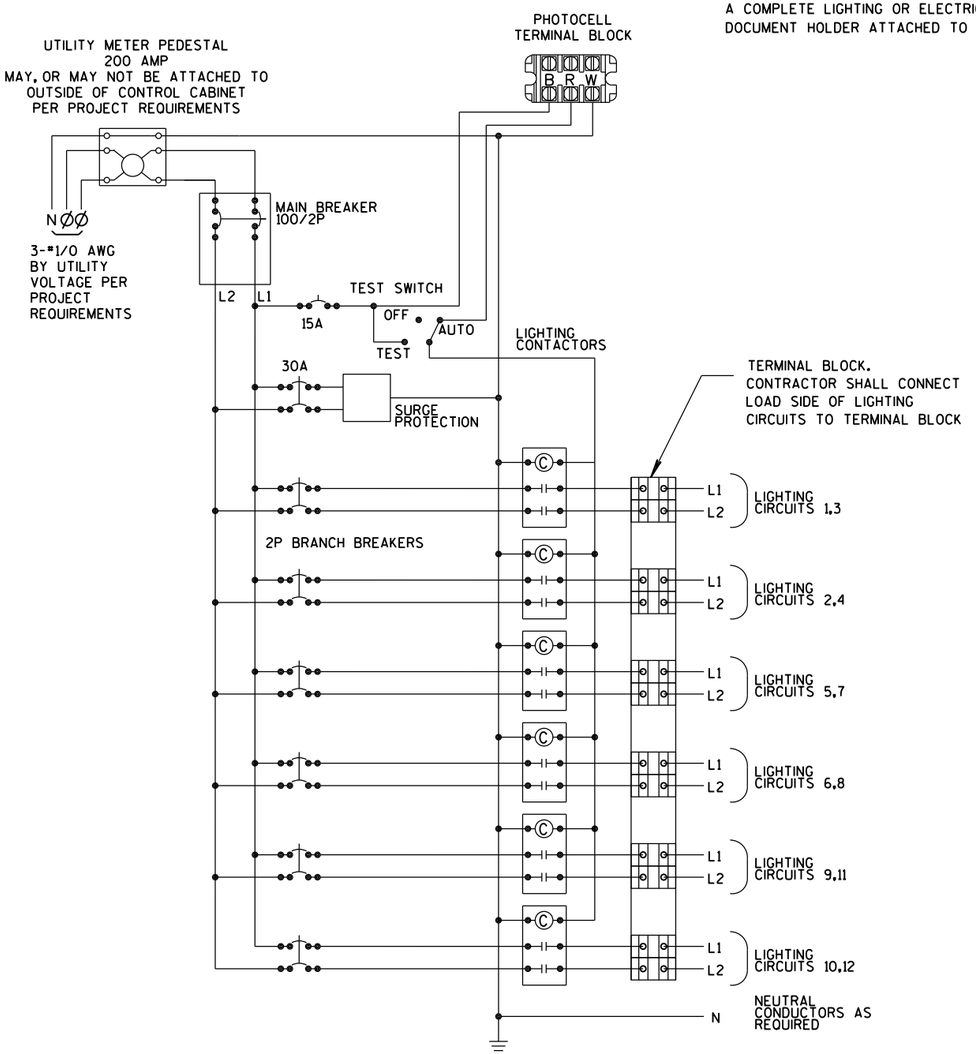


TABLE OF DIMENSIONS (INCHES)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"



CONTROL CABINET SCHEMATIC

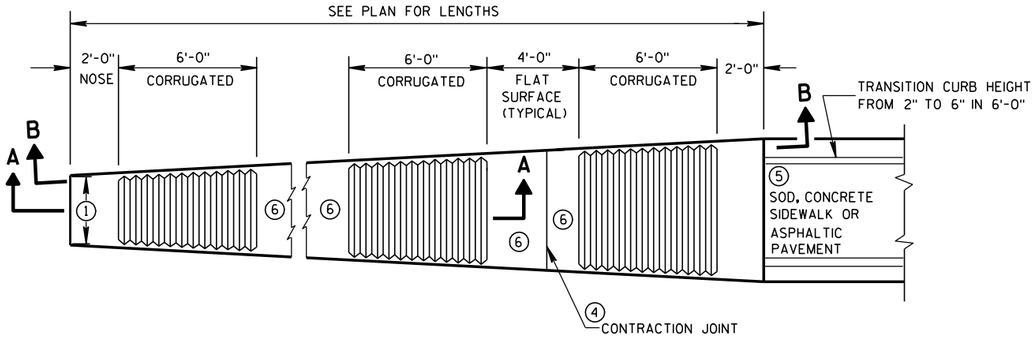
LIGHTING CONTROL CABINET

LIGHTING CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

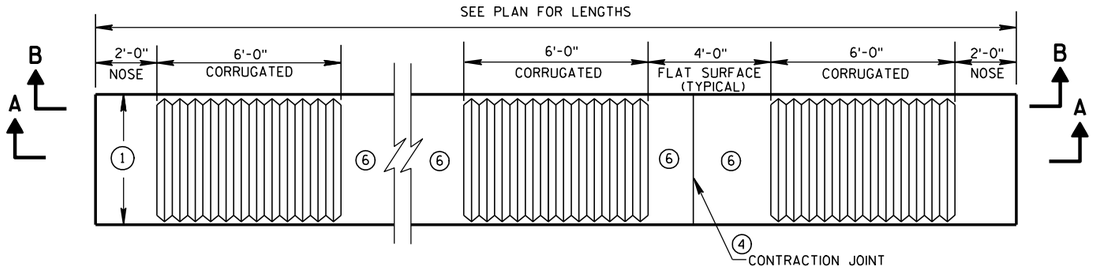
APPROVED
June 2014 — DATE
/S/ Thomas Gonring — STATE LIGHTING ENGINEER
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FHWA

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S.D.D. 9 D 4-1



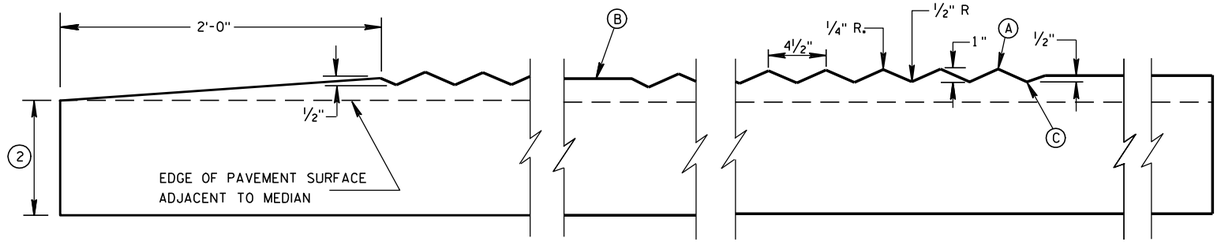
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

(2) THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN.

ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

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

(3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.

(3) 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.

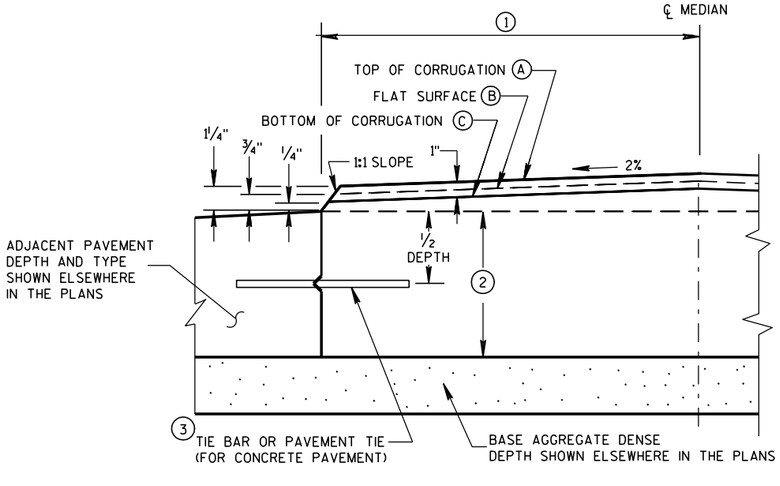
INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP).

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR 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.

(4) CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.

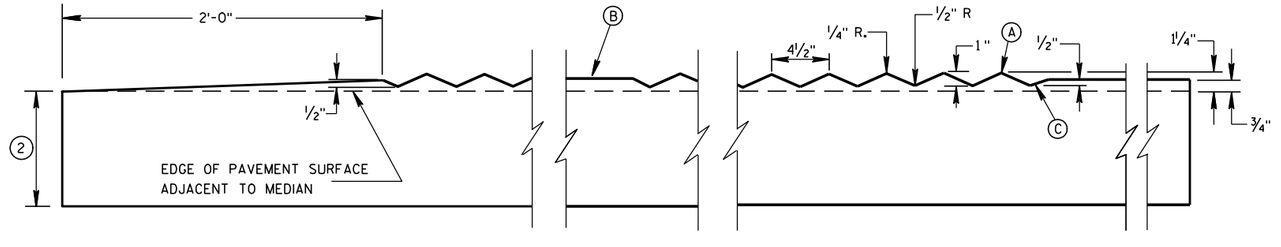
(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.

(6) YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



HALF CROSS SECTION

(2) CONCRETE CORRUGATED MEDIAN AND ADJACENT PAVEMENT



SECTION B-B

LONGITUDINAL SECTION

CONCRETE CORRUGATED MEDIAN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/07
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

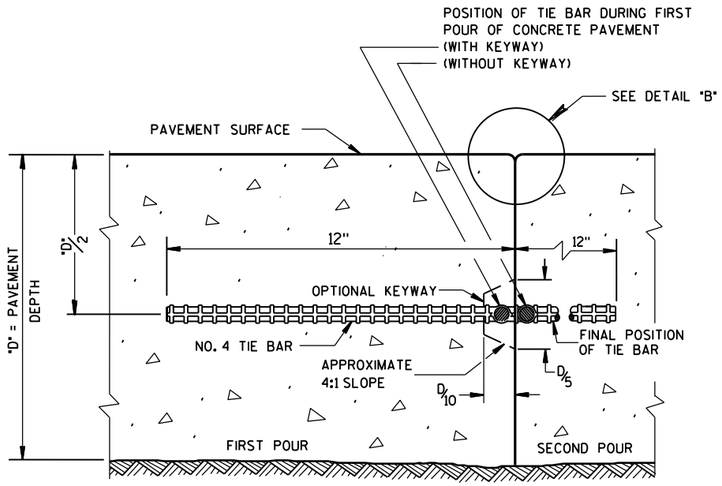
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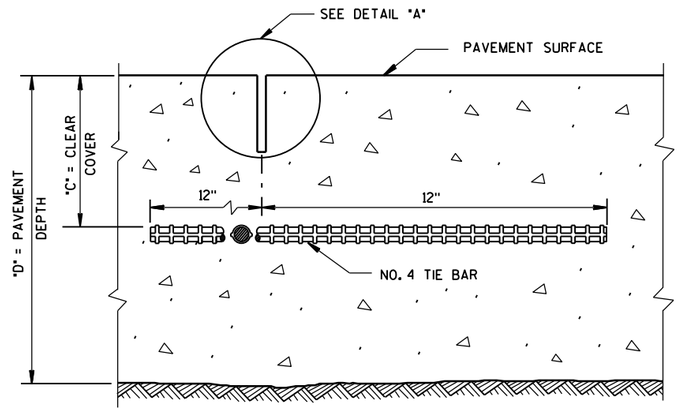
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S.D.D. 11 B 1-5



CONSTRUCTION JOINT



SAWED JOINT

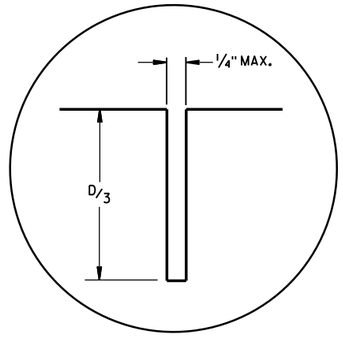
GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

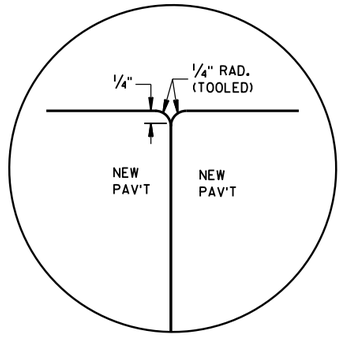
CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

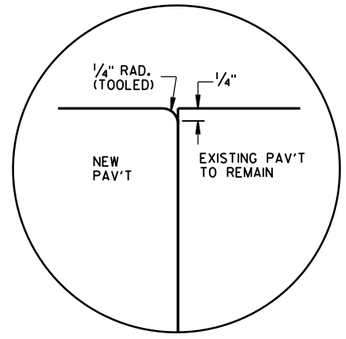
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



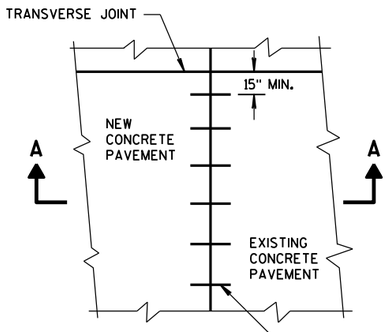
DETAIL "A"



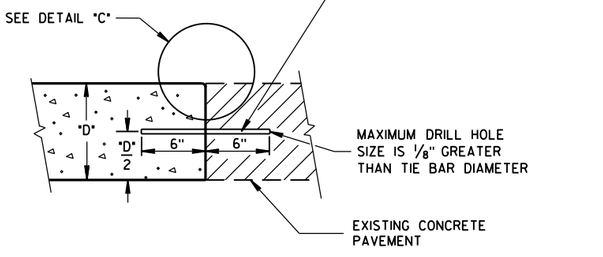
DETAIL "B"



DETAIL "C"



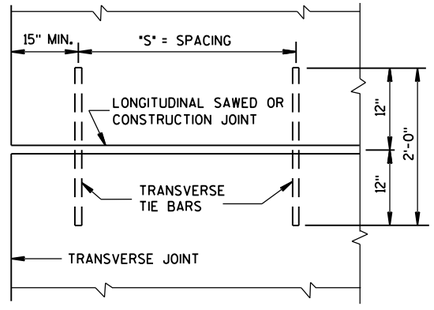
PLAN VIEW



SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

PAVEMENT DEPTH "D"	CLEAR COVER "C"	MAXIMUM TIE BAR SPACING "S"	
		PAVEMENT WIDTH	
		24' OR 26'	≥30'
6, 6 1/2"	3"±1/2"	48"	42"
7, 7 1/2"	3 1/4"±1"	45"	36"
8, 8 1/2"	3 3/4"±1"	39"	30"
9, 9 1/2"	4 1/4"±1"	33"	27"
10, 10 1/2"	4 3/4"±1"	30"	24"
11, 11 1/2"	5 1/4"±1"	27"	21"
12"	5 3/4"±1"	24"	21"



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

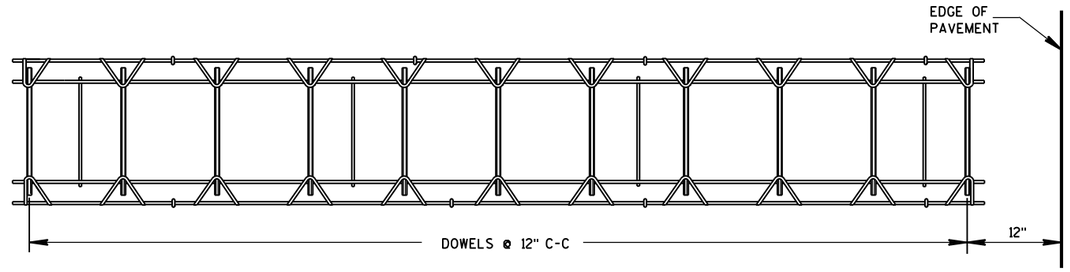
9/2014 DATE

/S/ Deb Bischoff
PAVEMENT POLICY & DE ...NEER

FHWA

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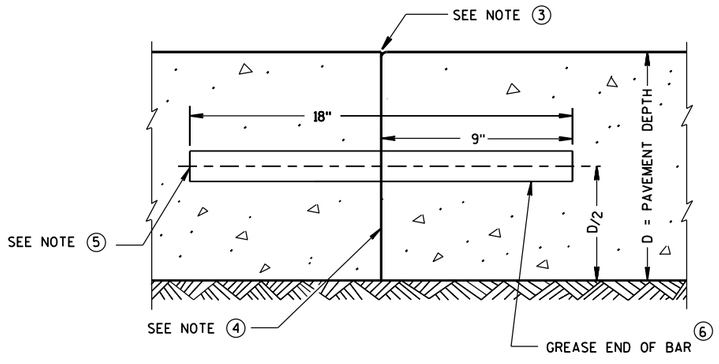


PLAN VIEW

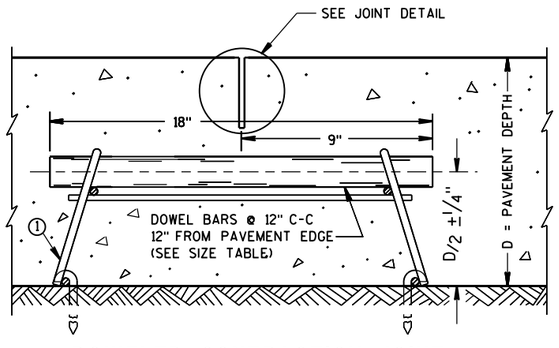


SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



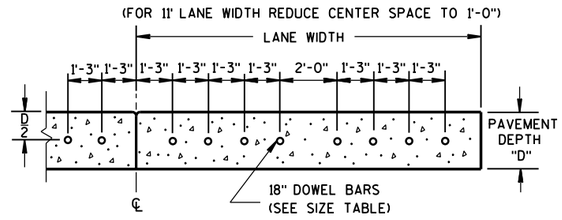
TRANSVERSE CONSTRUCTION JOINT



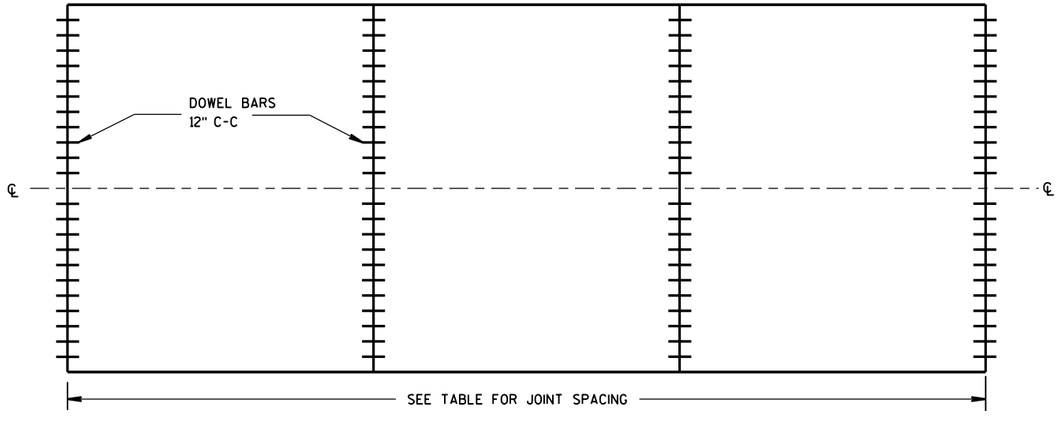
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① **OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.**

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

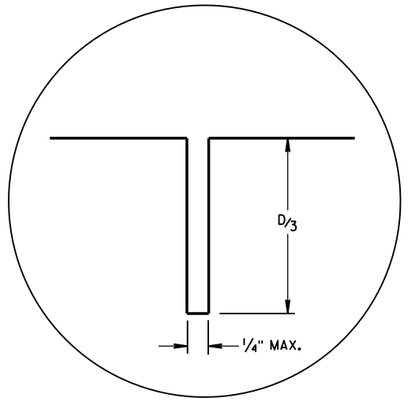
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



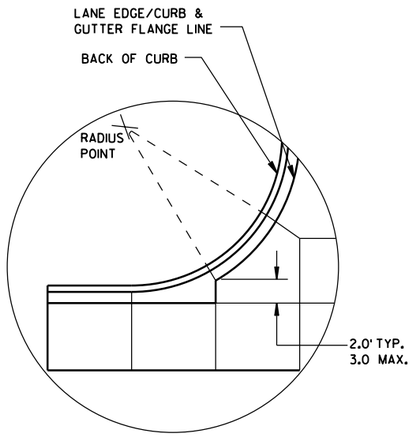
JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

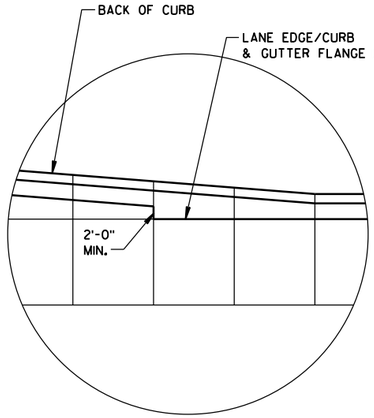
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/3/2013 DATE
/S/ Deb Bischoff
PAVEMENT POLICY & DE ENGINEER
FHWA

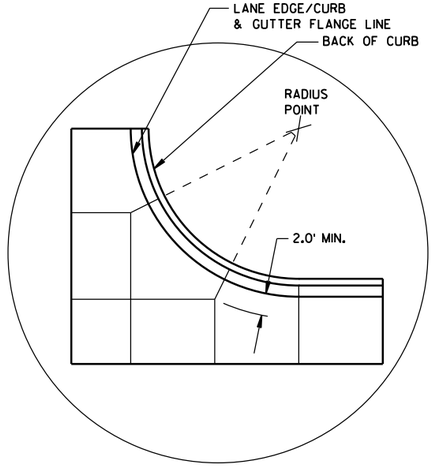
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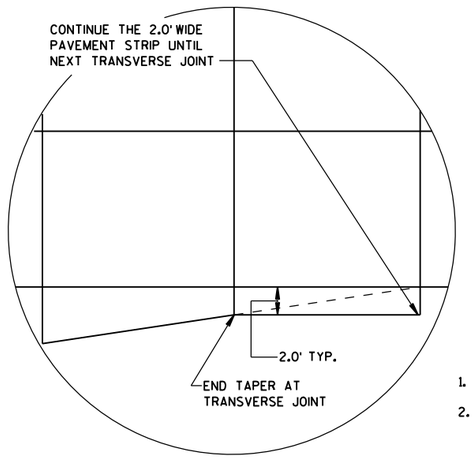
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

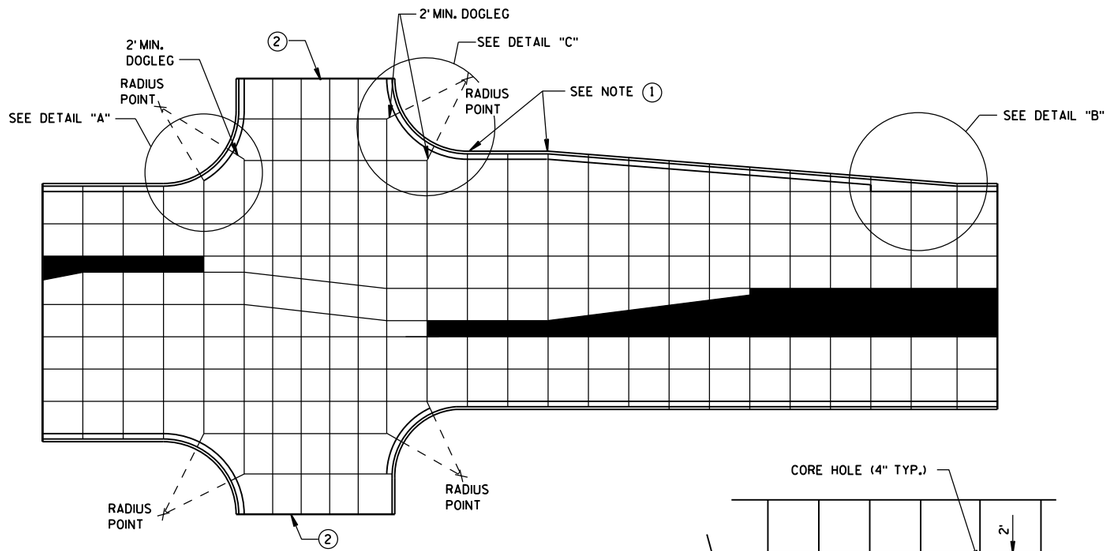
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

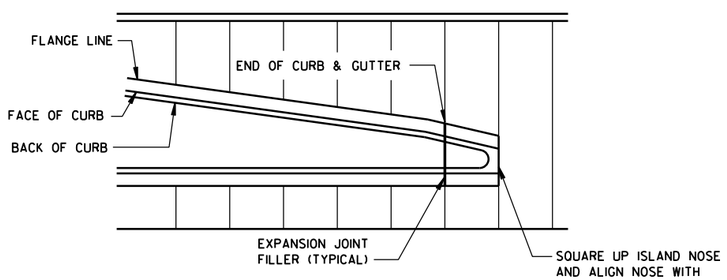


STANDARD INTERSECTION

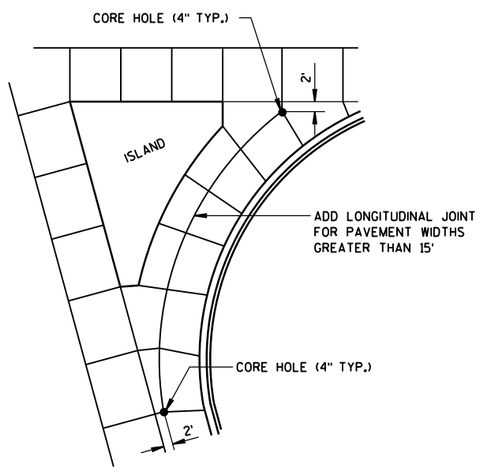
PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 300

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S.D.D. 13 C 18-2a

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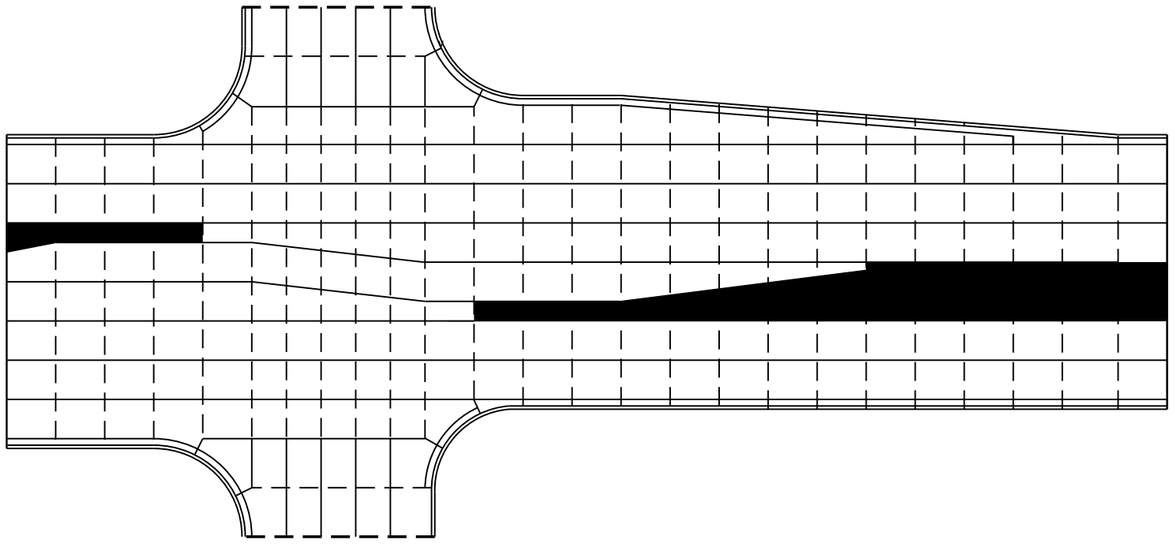
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LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

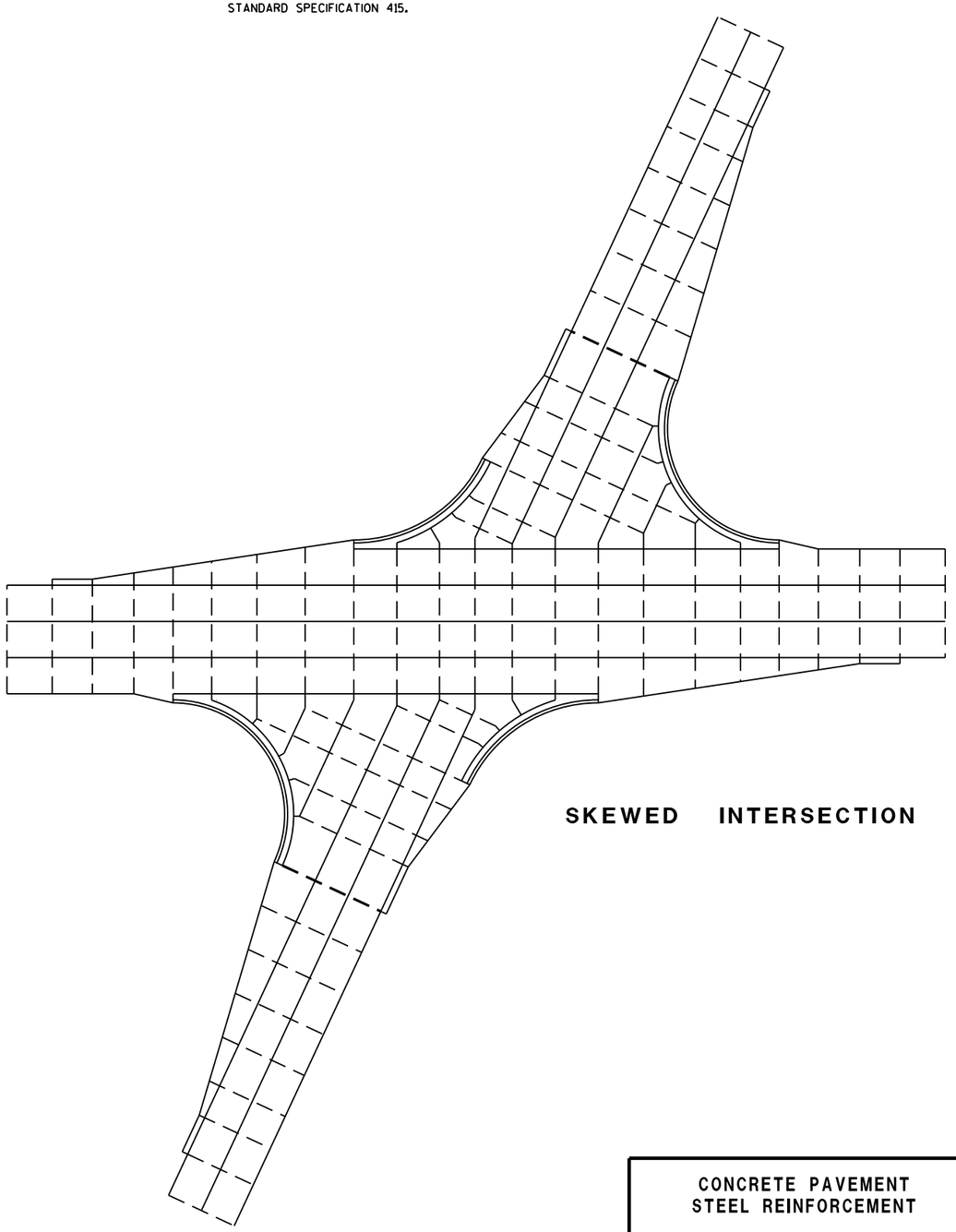
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

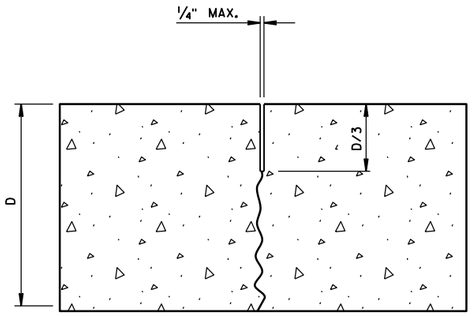
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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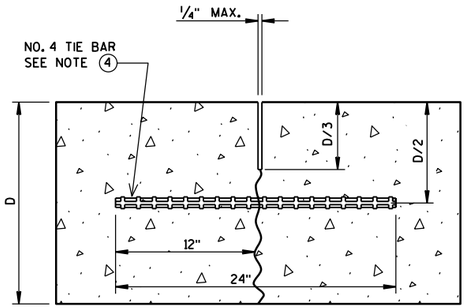
S.D.D. 13 C 18-2b

6

S.D.D. 13 C 18-2b



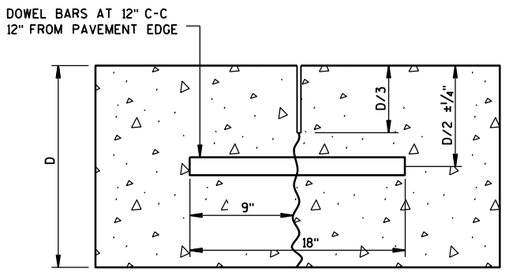
UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

GENERAL NOTES

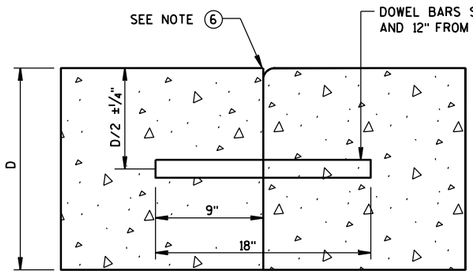
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. SPACE TIE BARS AT LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C1.
5. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
6. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.



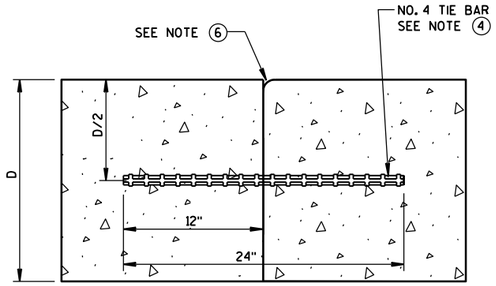
DOWELED-TRANSVERSE

CONTRACTION JOINTS

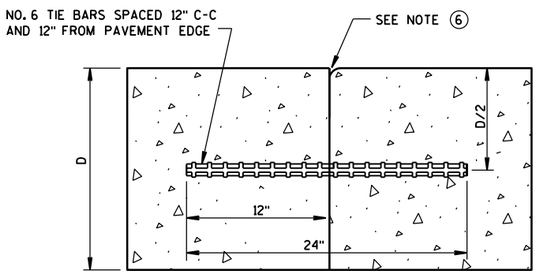
SEE NOTE (2)



DOWELED TRANSVERSE

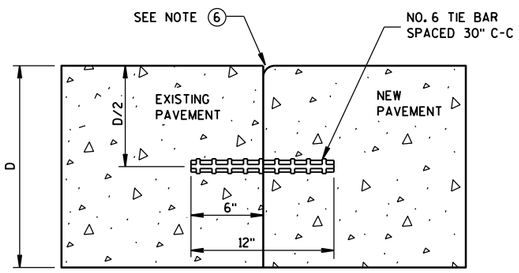


TIED LONGITUDINAL



TIED TRANSVERSE

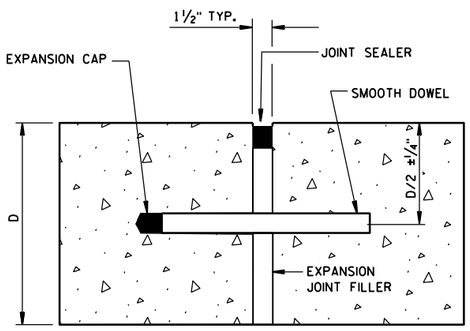
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

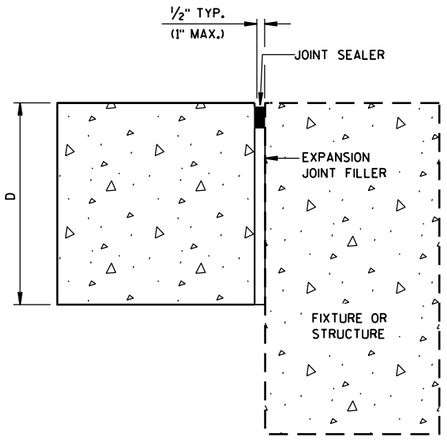
CONSTRUCTION JOINTS

SEE NOTE (5)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

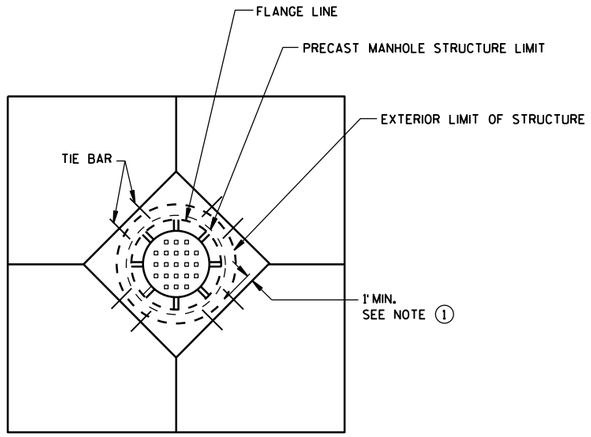
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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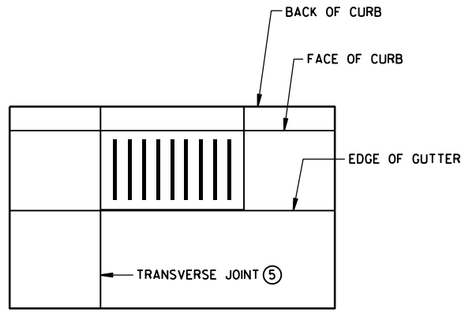
S.D.D. 13 C 18-2c

6

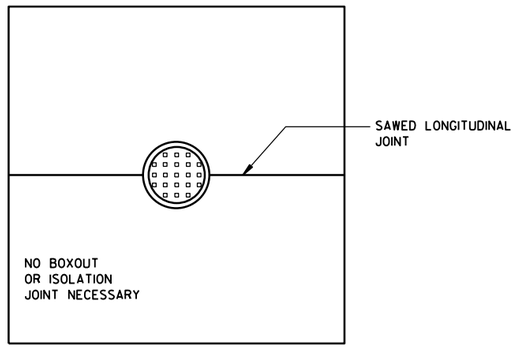
S.D.D. 13 C 18-2c



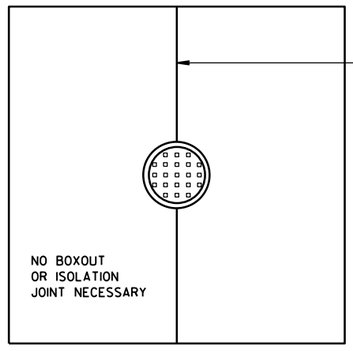
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



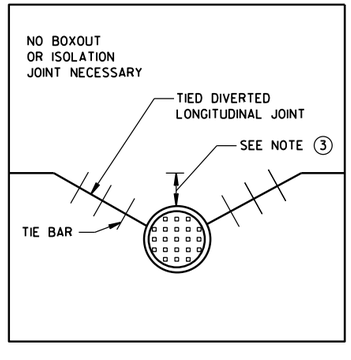
INLET WITH TRANSVERSE JOINT



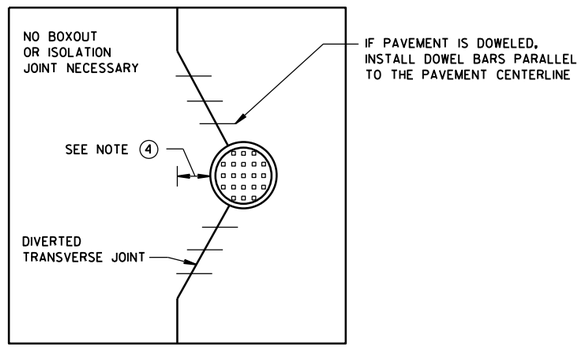
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-3-2013
DATE

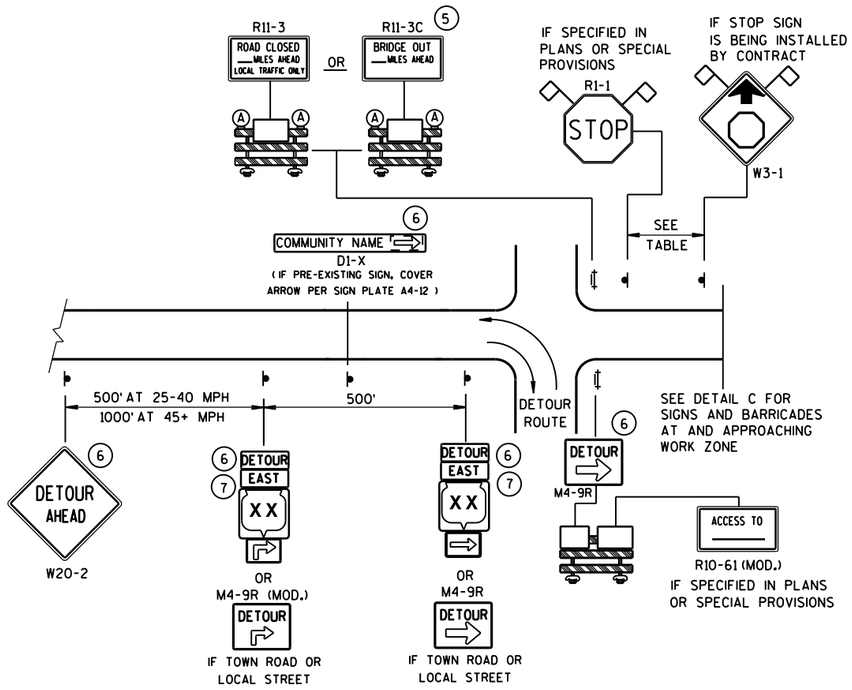
/S/ Deb Bischoff
PAVEMENT POLICY & DE

NEER

FHWA

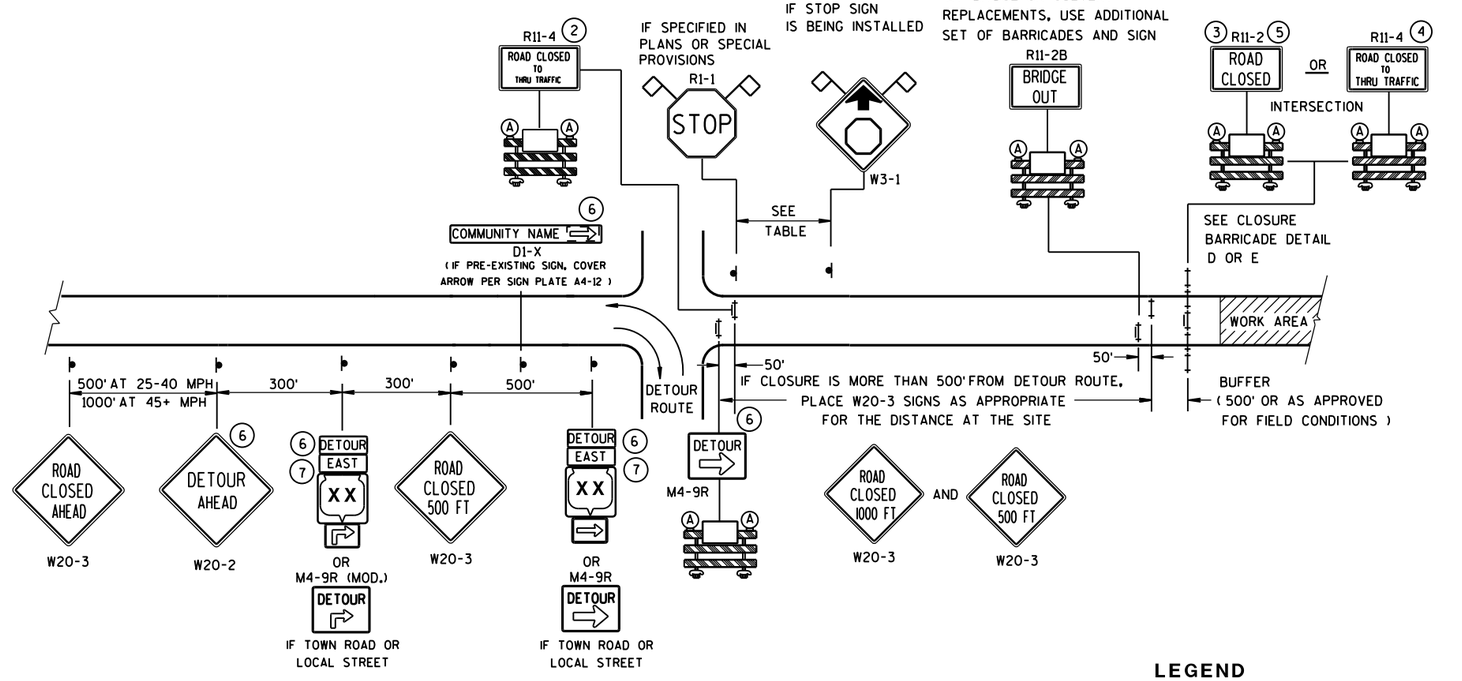
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S.D.D. 13 C 18-2d



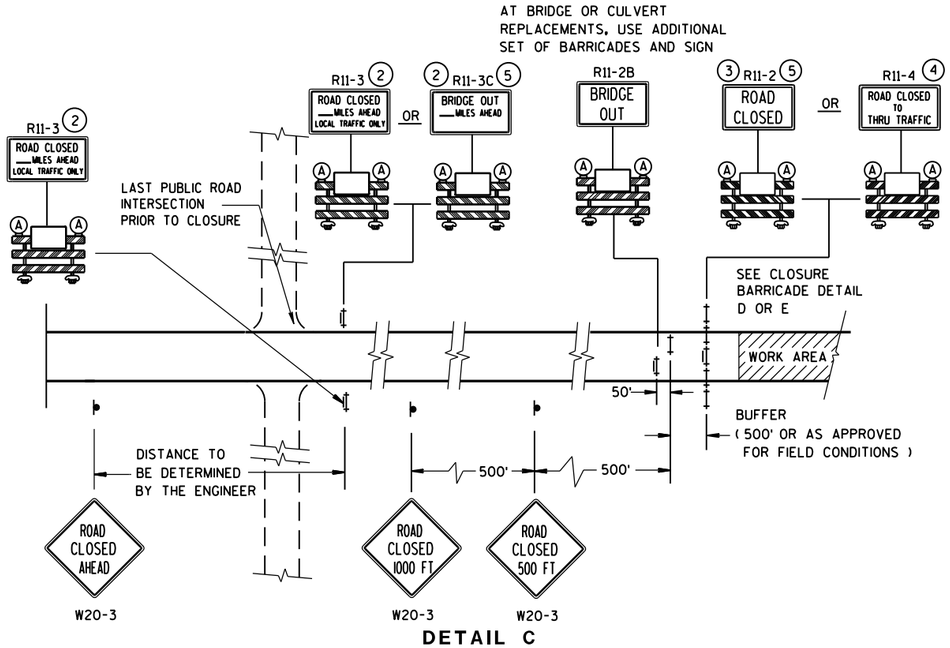
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

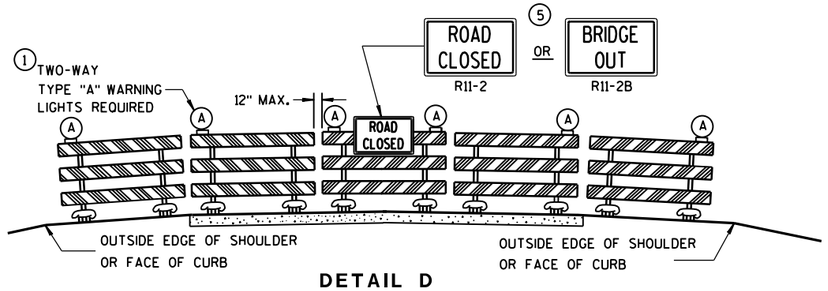
8/2013 DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA

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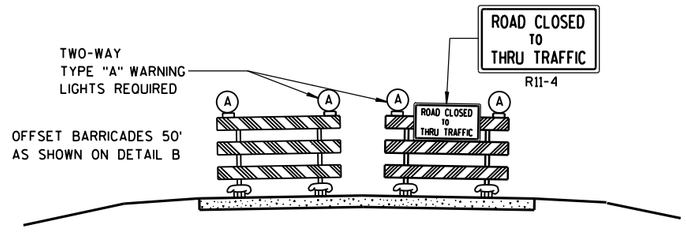
S.D.D. 15 C 2-5a



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

8/2013 DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA

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S.D.D. 15 C 2-5b

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.

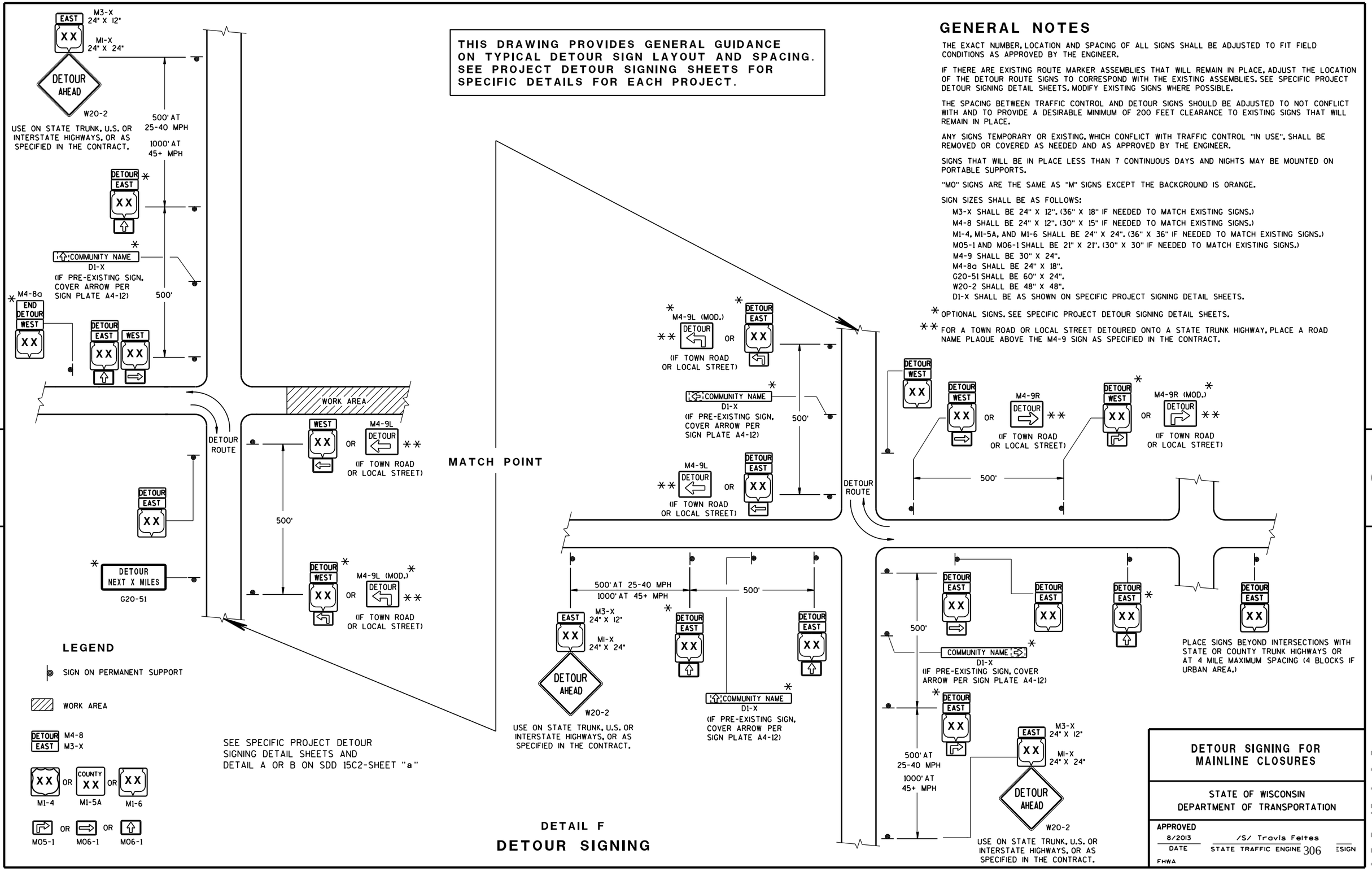
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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

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

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



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- M05-1 OR M06-1 OR M06-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

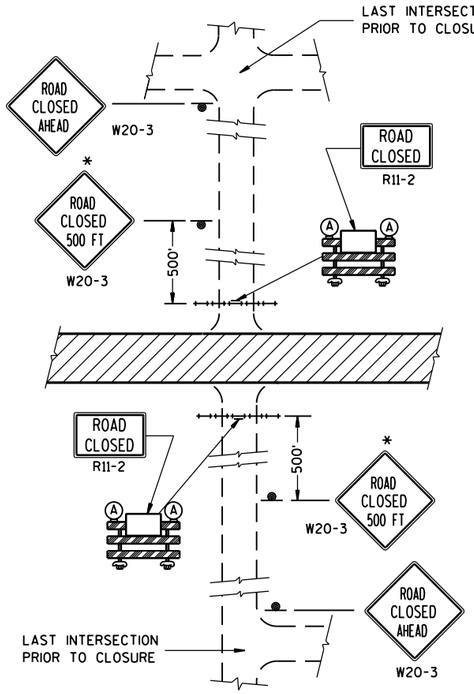
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

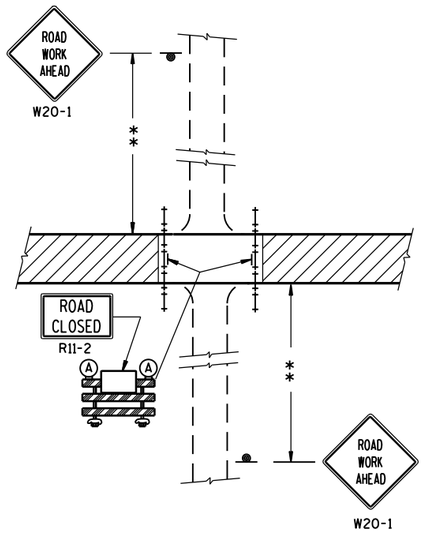
APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

S.D.D. 15 C 2-5c



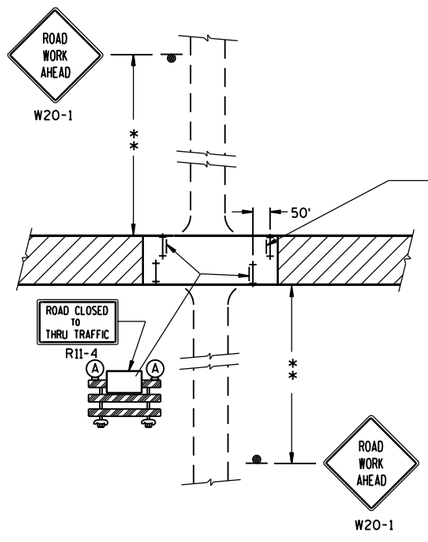
DETAIL 1

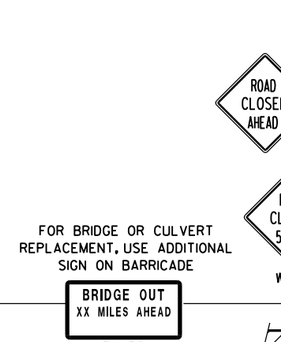
(NO ACCESS TO PROJECT)



DETAIL 2

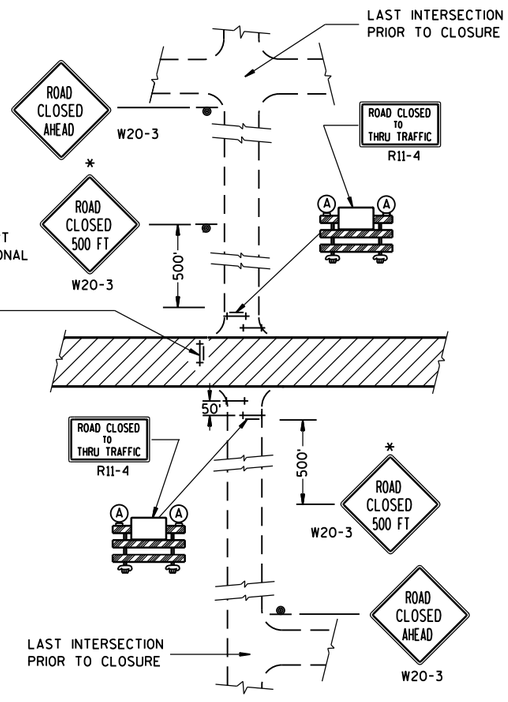
(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).





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
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

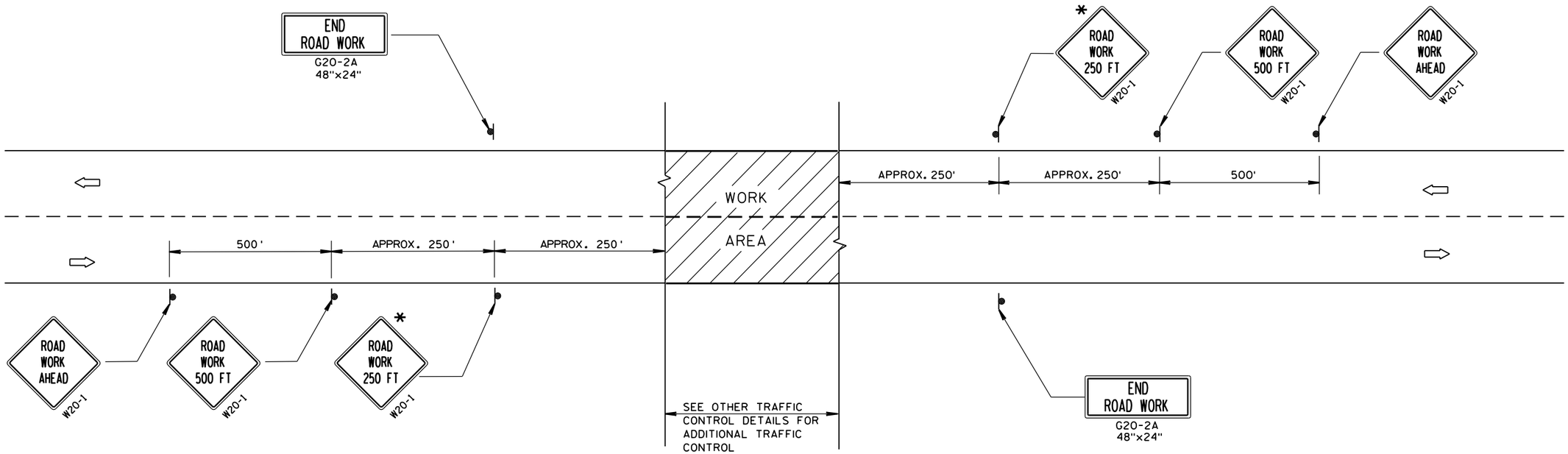
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S.D.D. 15 C 3-2

6

S.D.D. 15 C 3-2

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

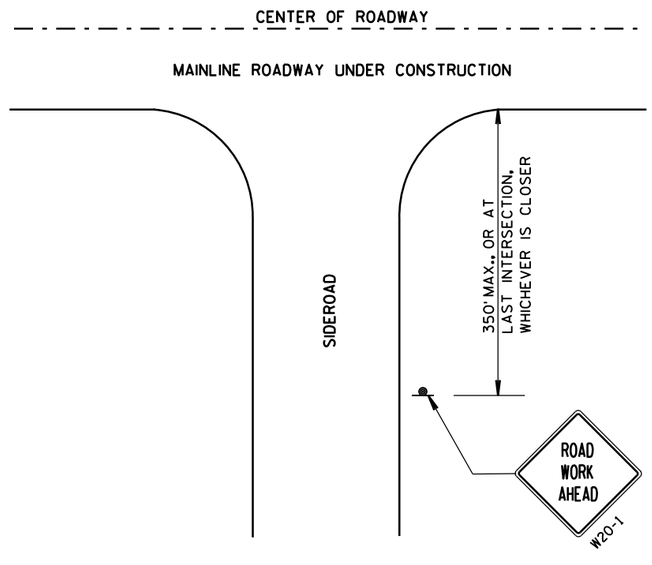
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

8/2013 DATE — /S/ Travis Feltes STATE TRAFFIC ENGINEER — SIGN

FHWA

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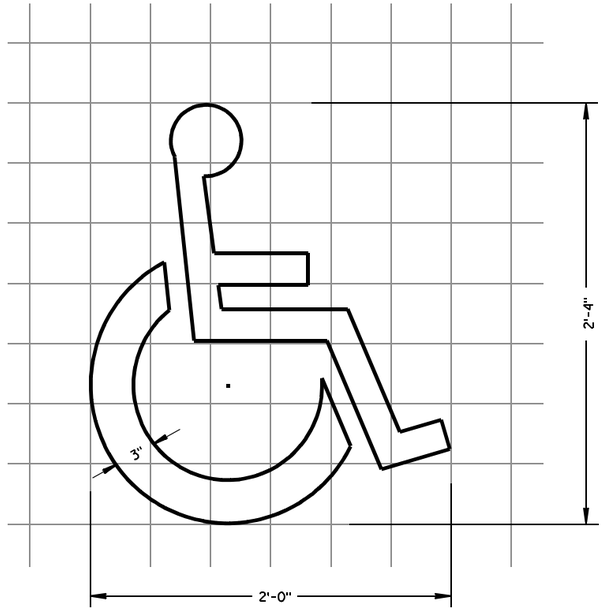
S.D.D. 15 C 5-2

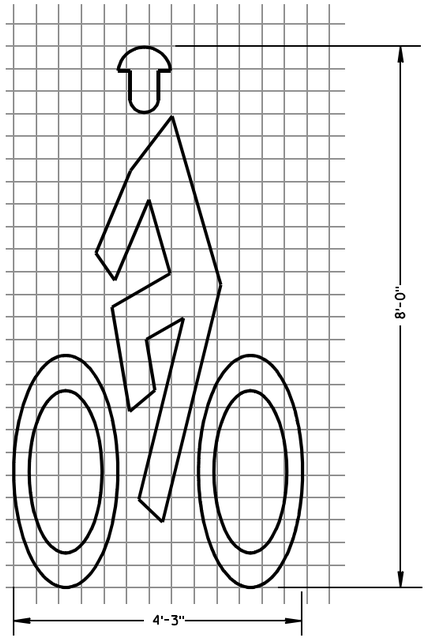
GENERAL NOTES

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.

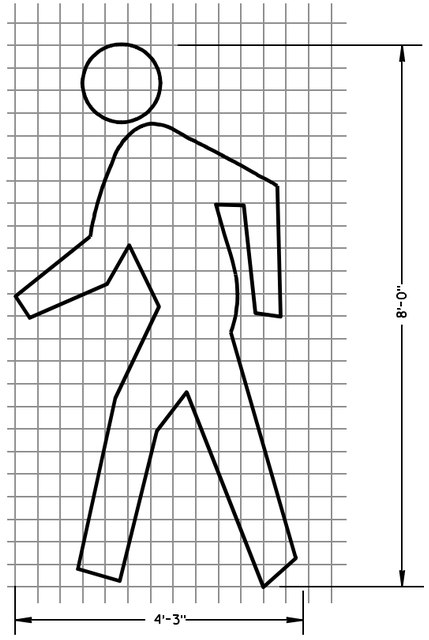
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

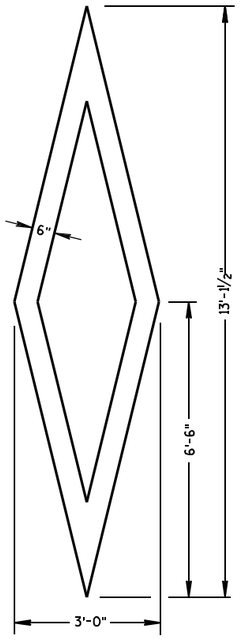




BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL LANE SYMBOL

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S.D.D. 15 C 7-12a

S.D.D. 15 C 7-12a

PAVEMENT MARKING SYMBOLS

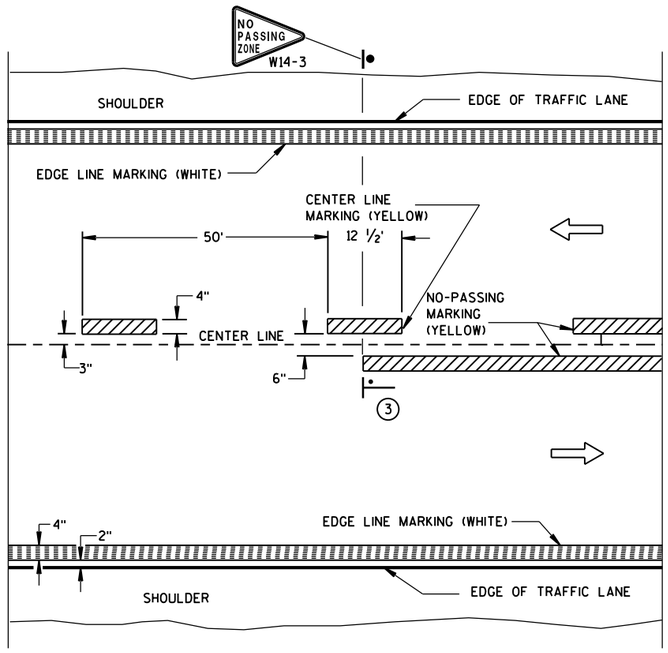
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

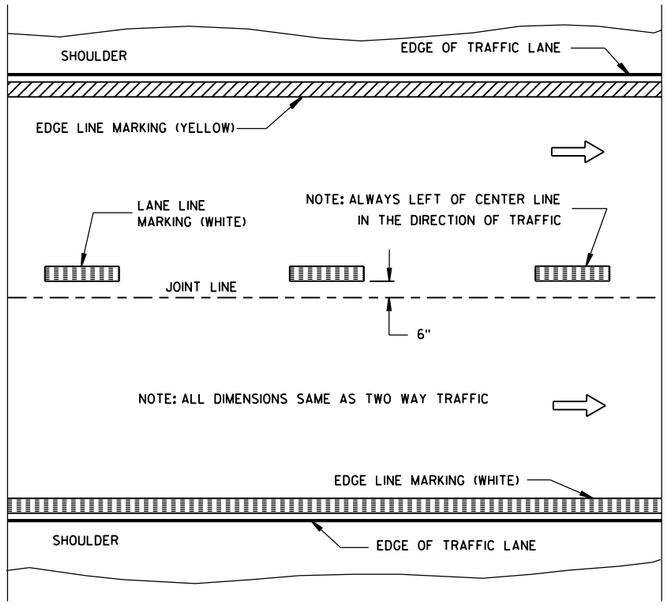
7/1/11 DATE

/S/ Thomas N Nathan STATE TRAFFIC ENGINEER

FHWA

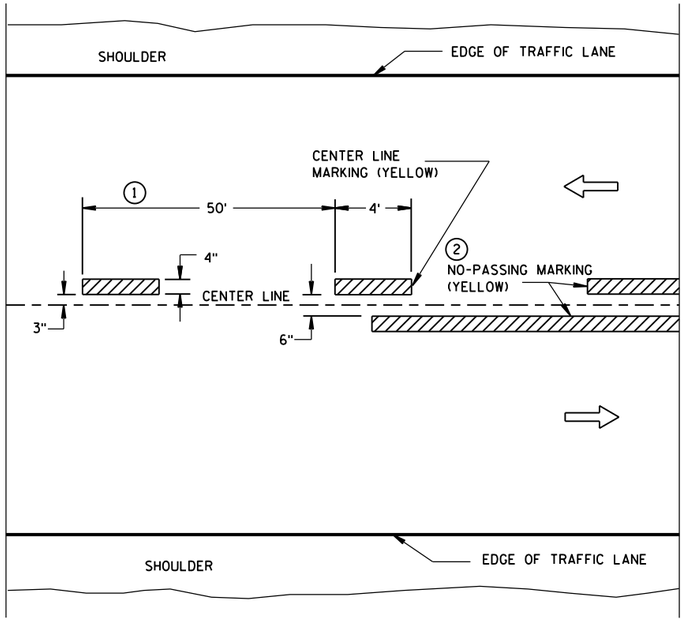


TWO WAY TRAFFIC

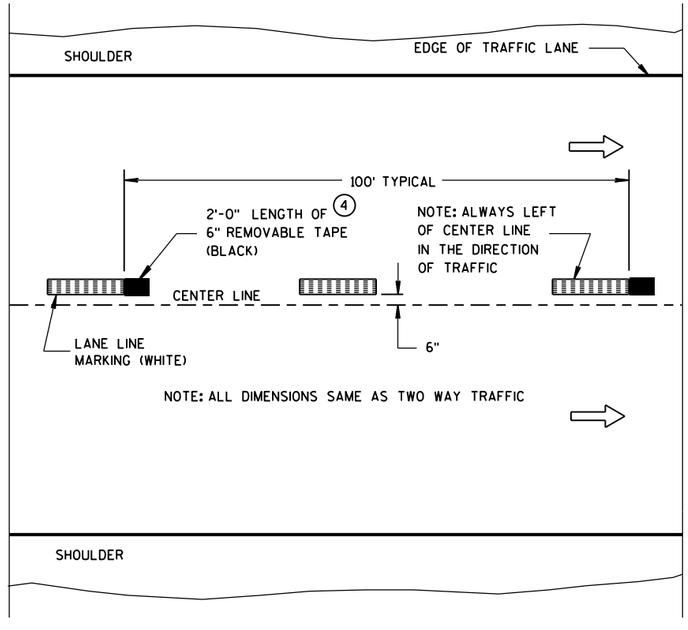


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

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

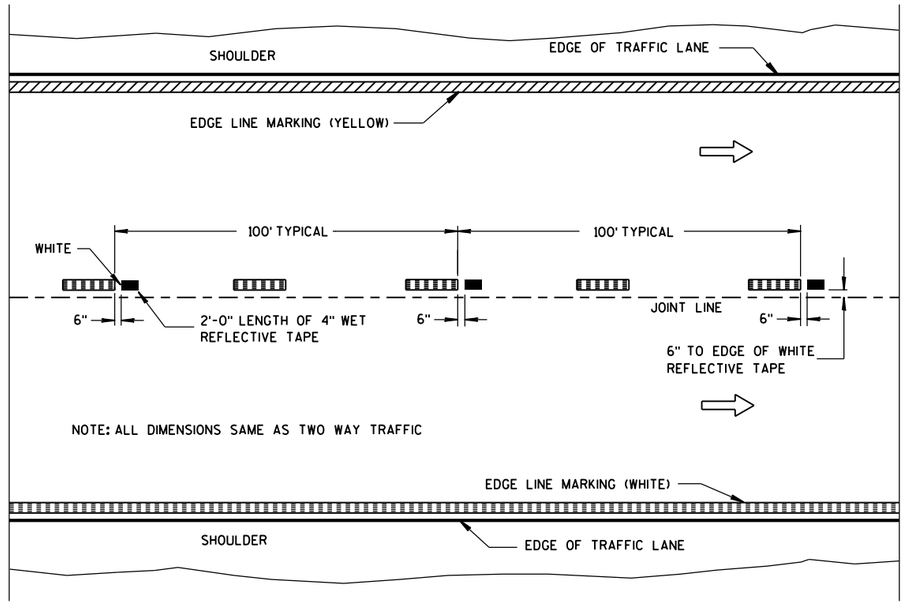
GENERAL NOTES

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

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

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



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

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

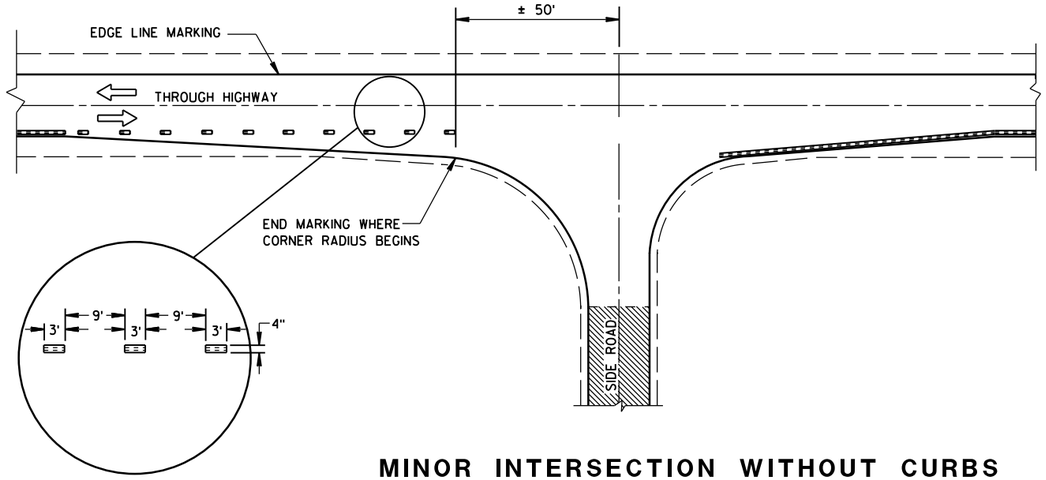
FHWA

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S.D.D. 15 C 8-16a

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S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

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

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

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

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

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

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

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

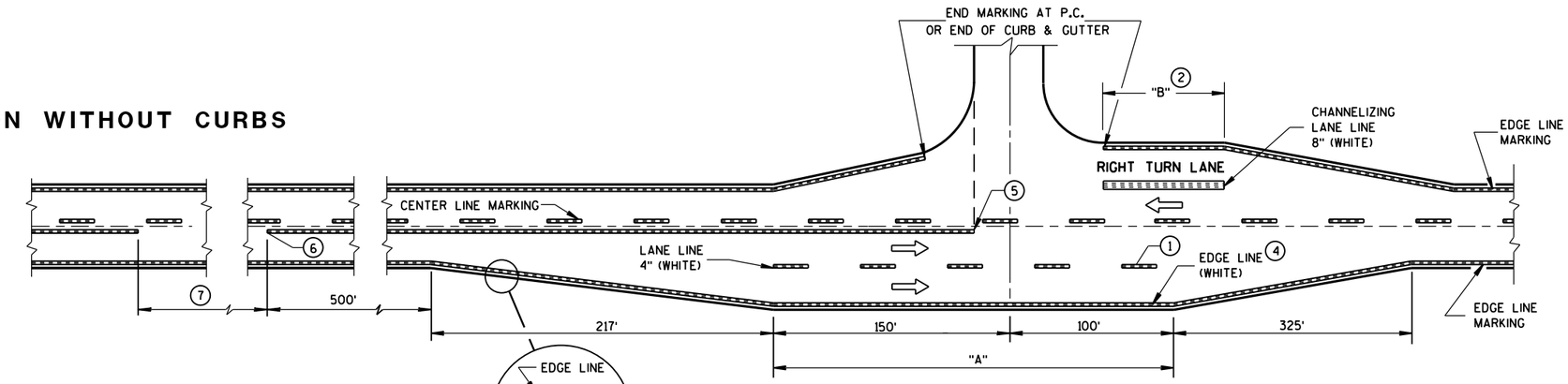
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

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

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

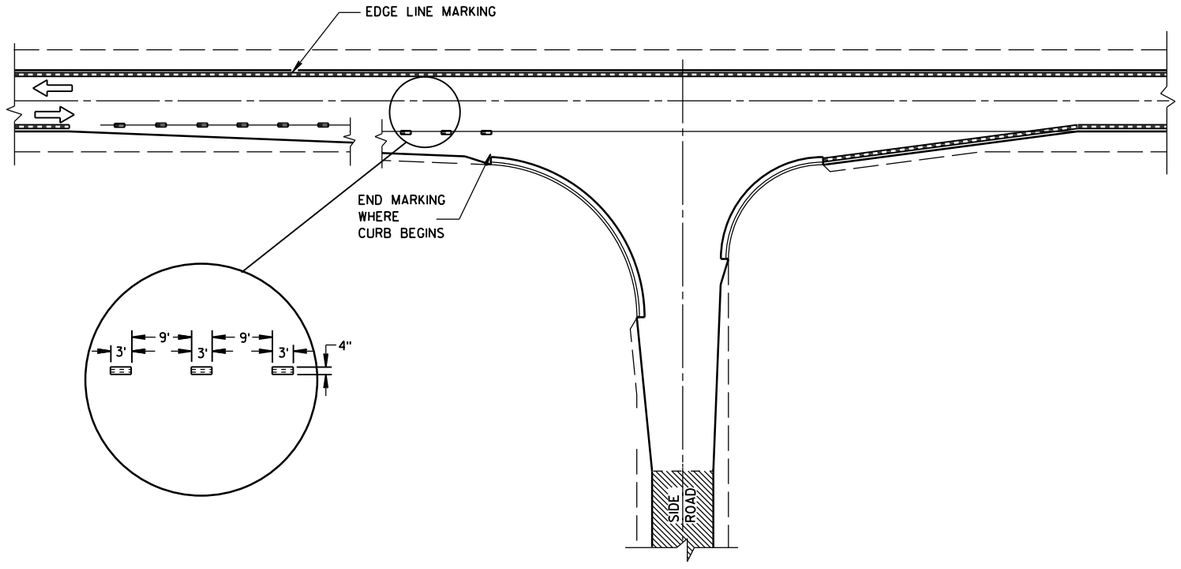
(7)

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



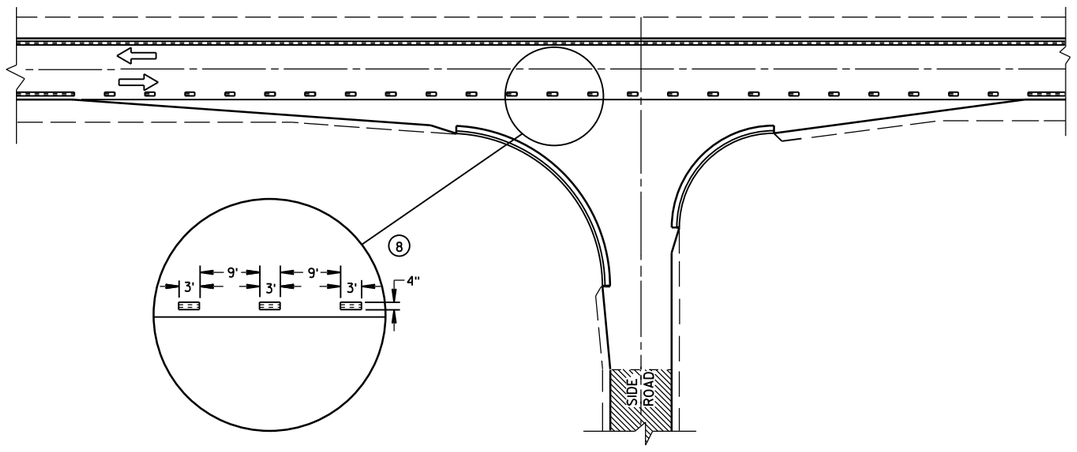
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

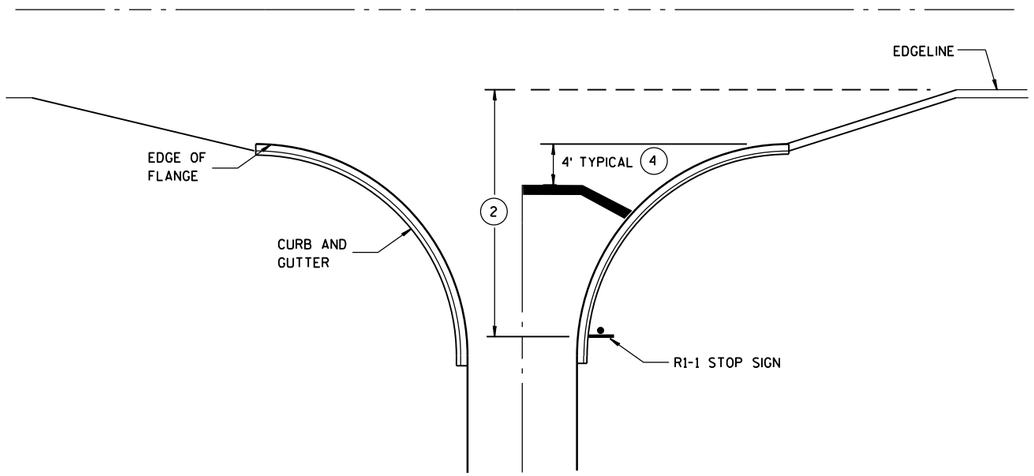
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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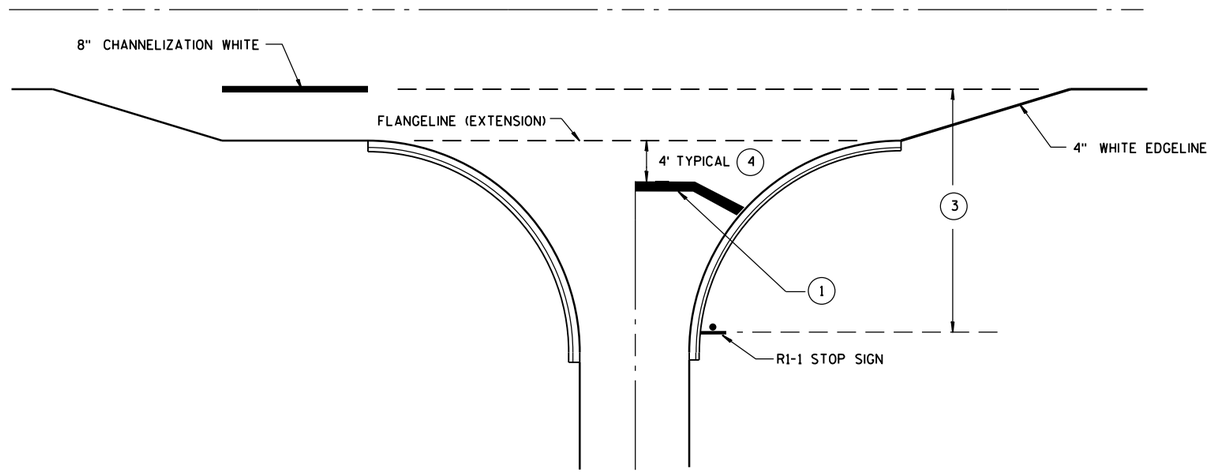
S.D.D. 15 C 8-16b

6

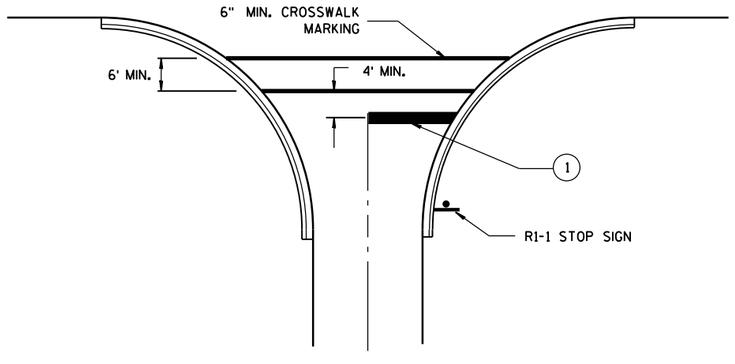
S.D.D. 15 C 8-16b



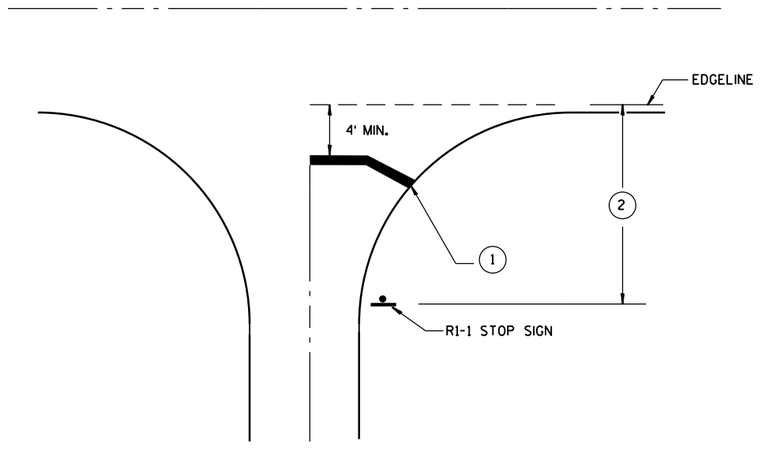
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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

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.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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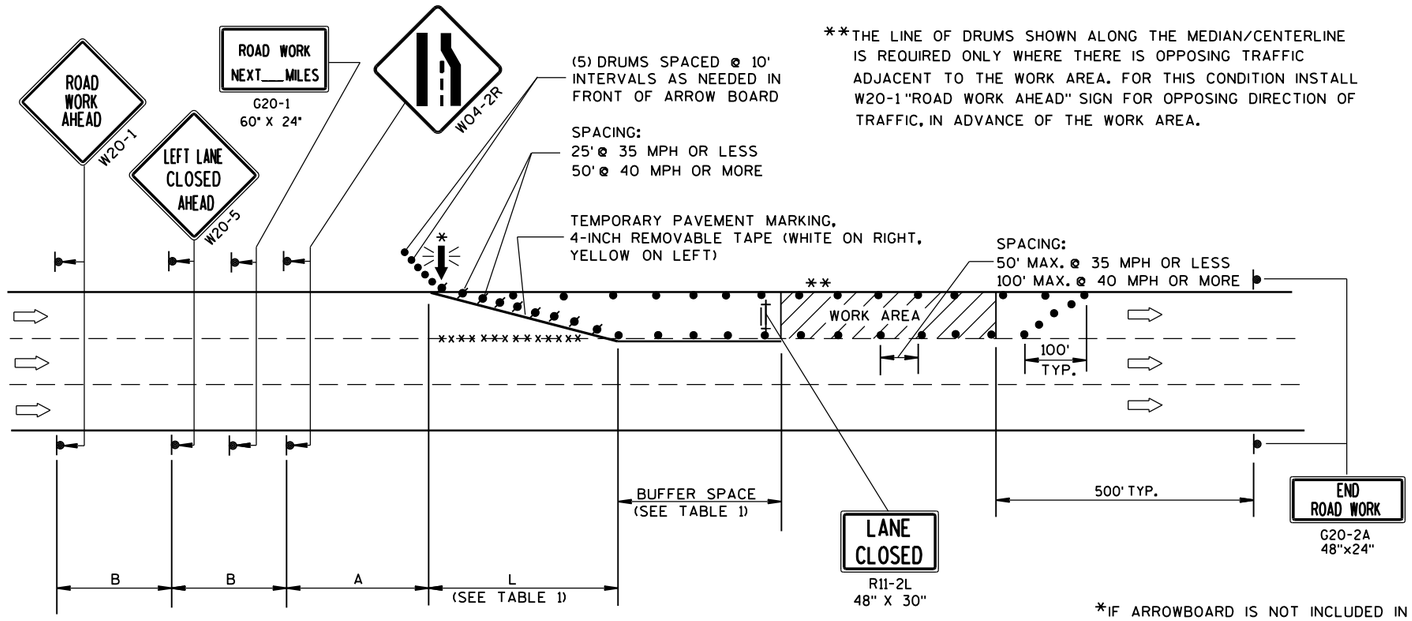
4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

6

S.D.D. 15 C 33-1



**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"

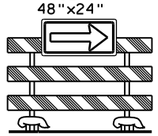


TABLE 1
TAPER AND BUFFER SPACE FOR 12' LANE WIDTH

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.

W20-1, 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.

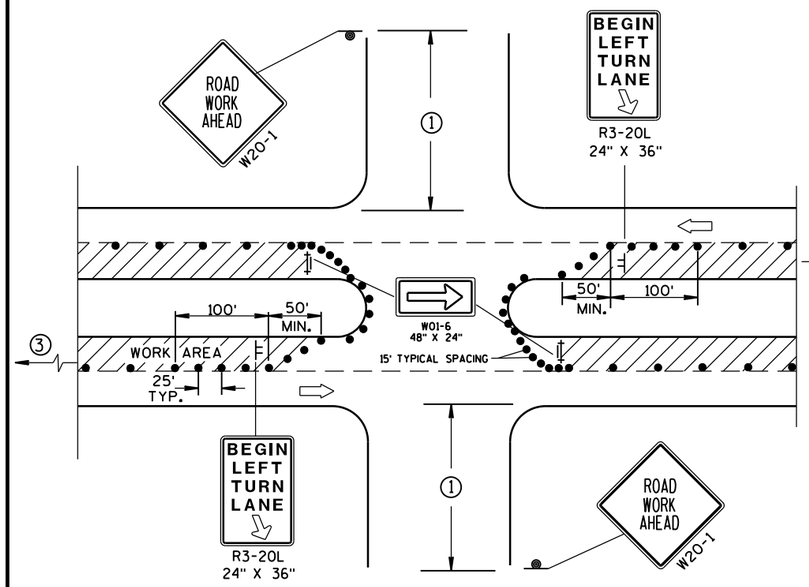
TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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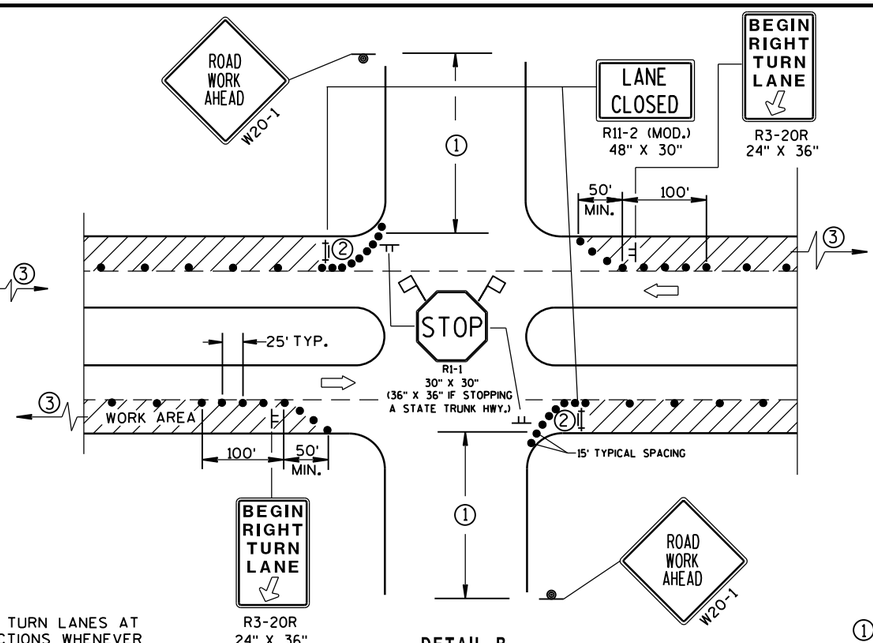
S.D.D. 15 D 20-2



DETAIL A

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

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 B

FOR RIGHT LANE CLOSURE AT INTERSECTION

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.

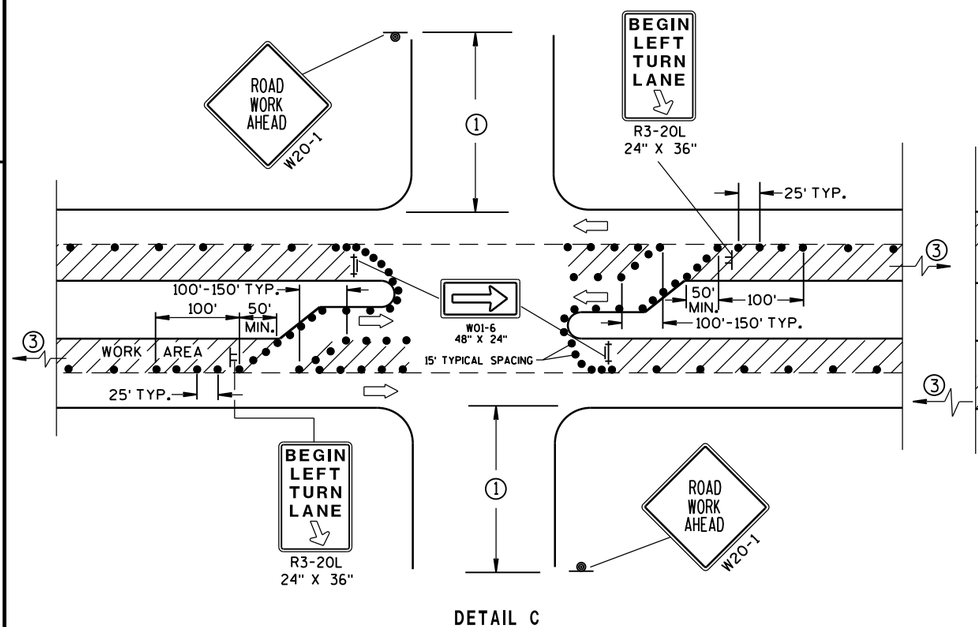
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

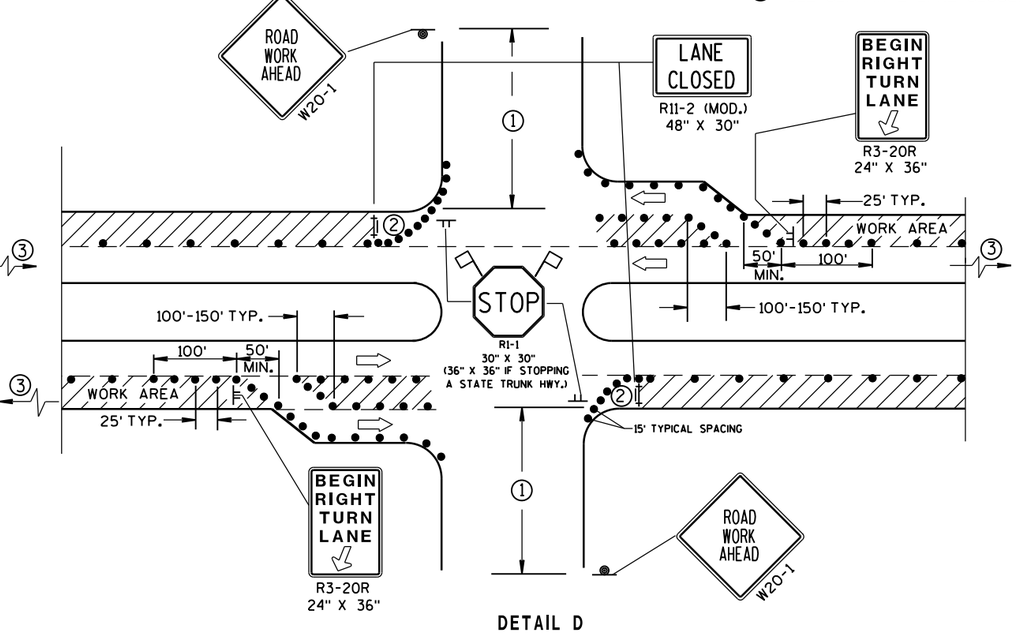
② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



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)

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

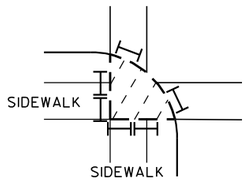
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

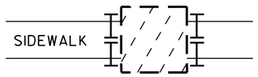
APPROVED
Nov. 2014 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

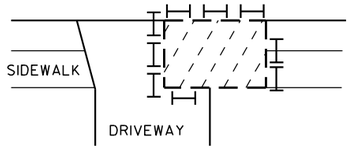
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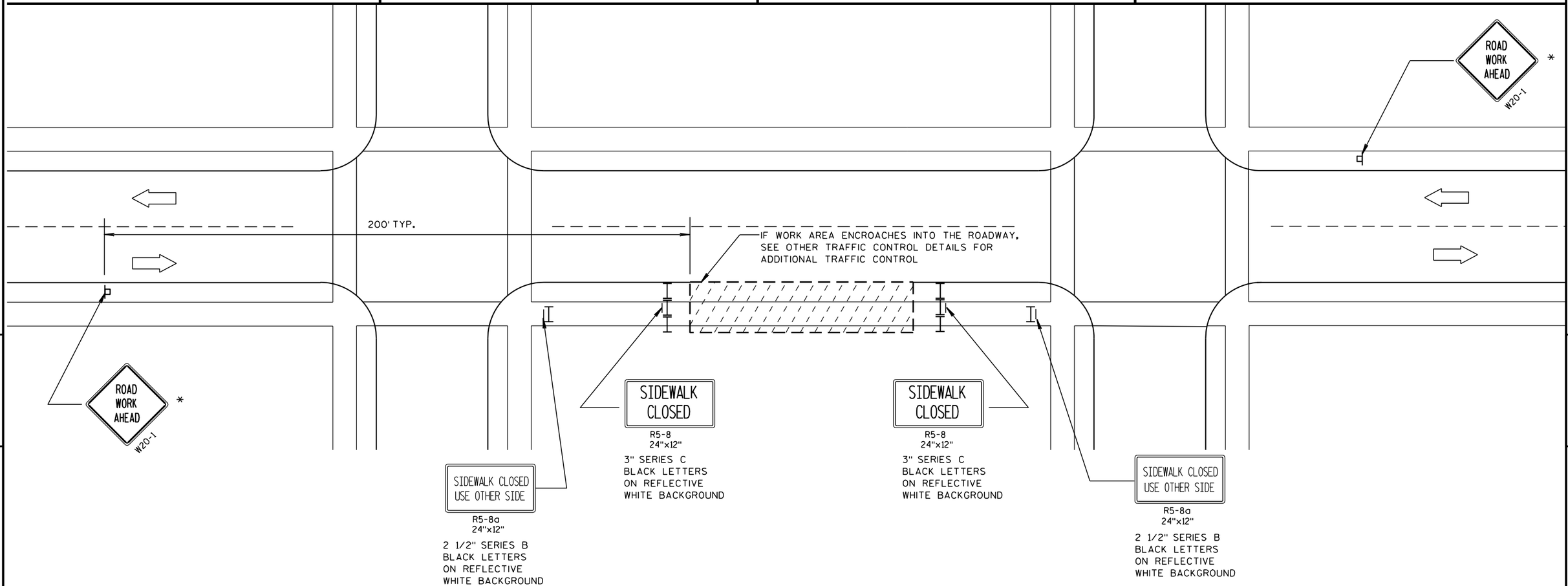
S.D.D. 15 D 21-3

WARNING OF LOCALIZED SIDEWALK WORK AREAS









LEGEND

- POST MOUNTED SIGN
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC FLOW

GENERAL NOTES :

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

THE EXACT LOCATION AND PLACEMENT OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

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

* "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.

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

TRAFFIC CONTROL, SIDEWALK CLOSURE

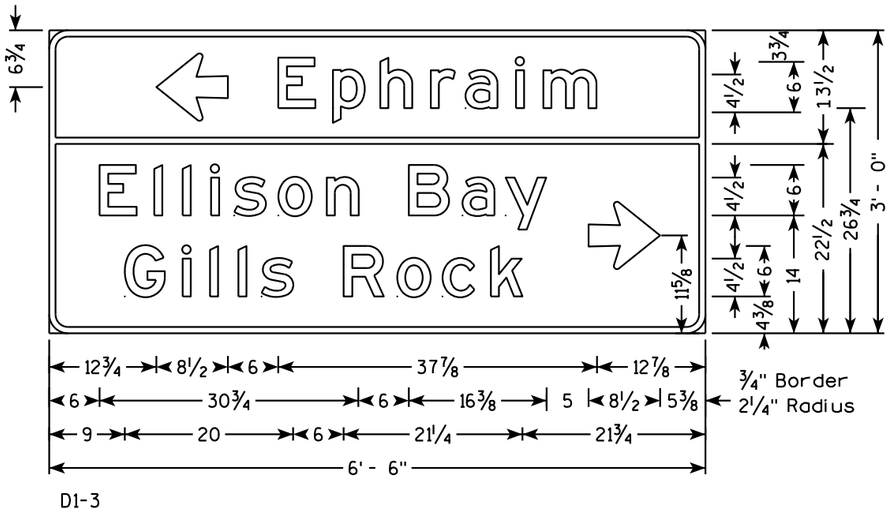
TRAFFIC CONTROL, SIDEWALK CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/2000 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible]NEER
FHWA

6

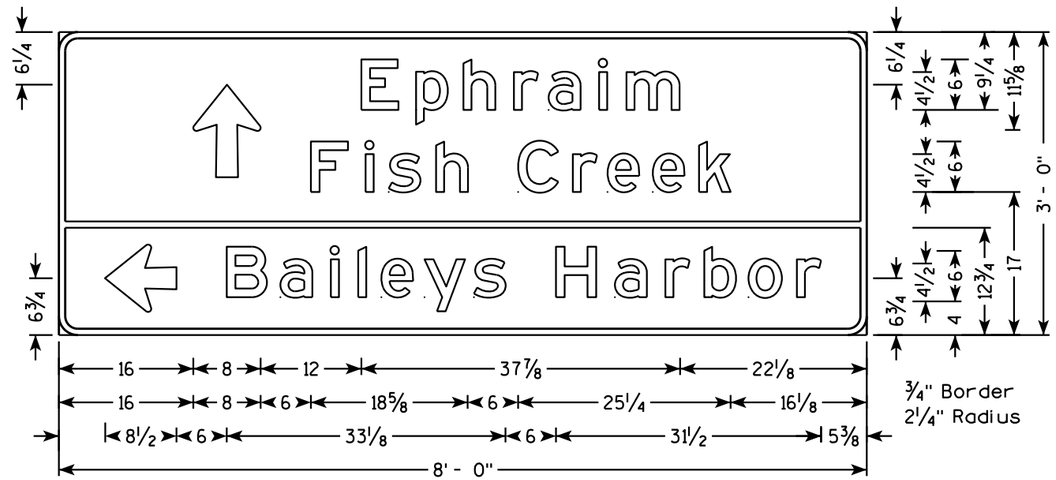
S.D.D. 15 D 30-1



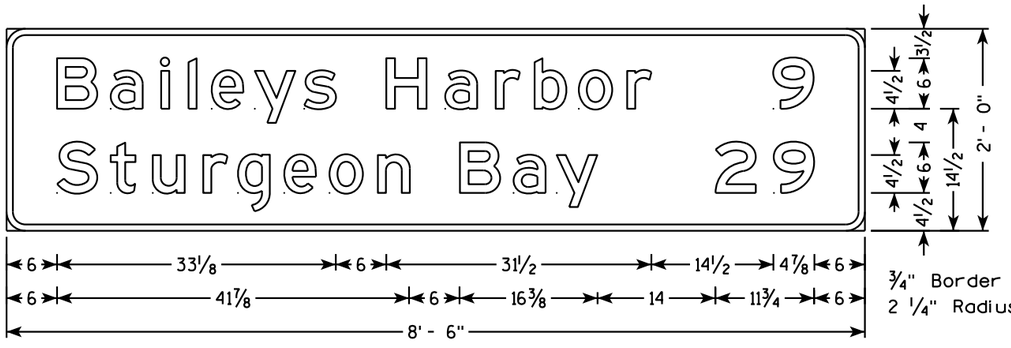
D1-3

NOTES

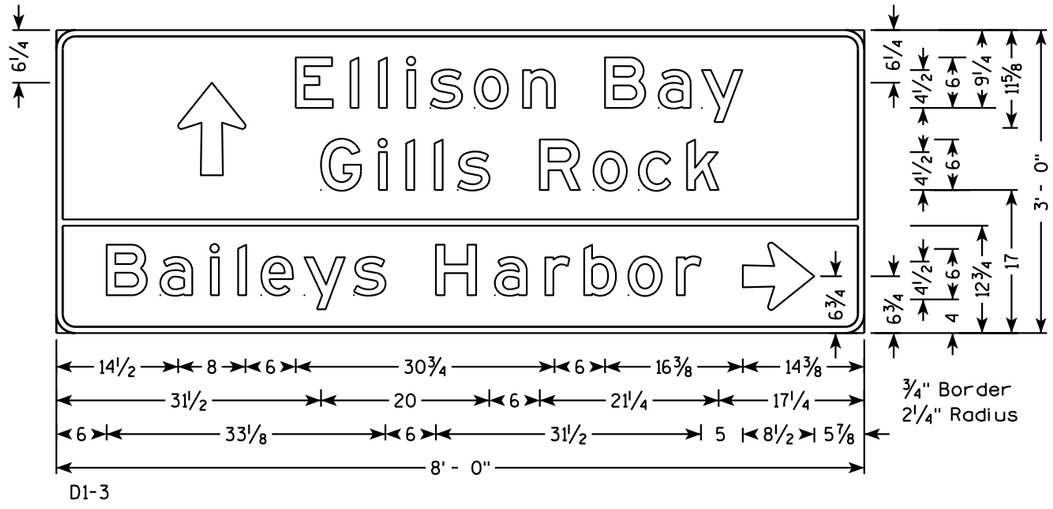
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E



D1-3



D2-2

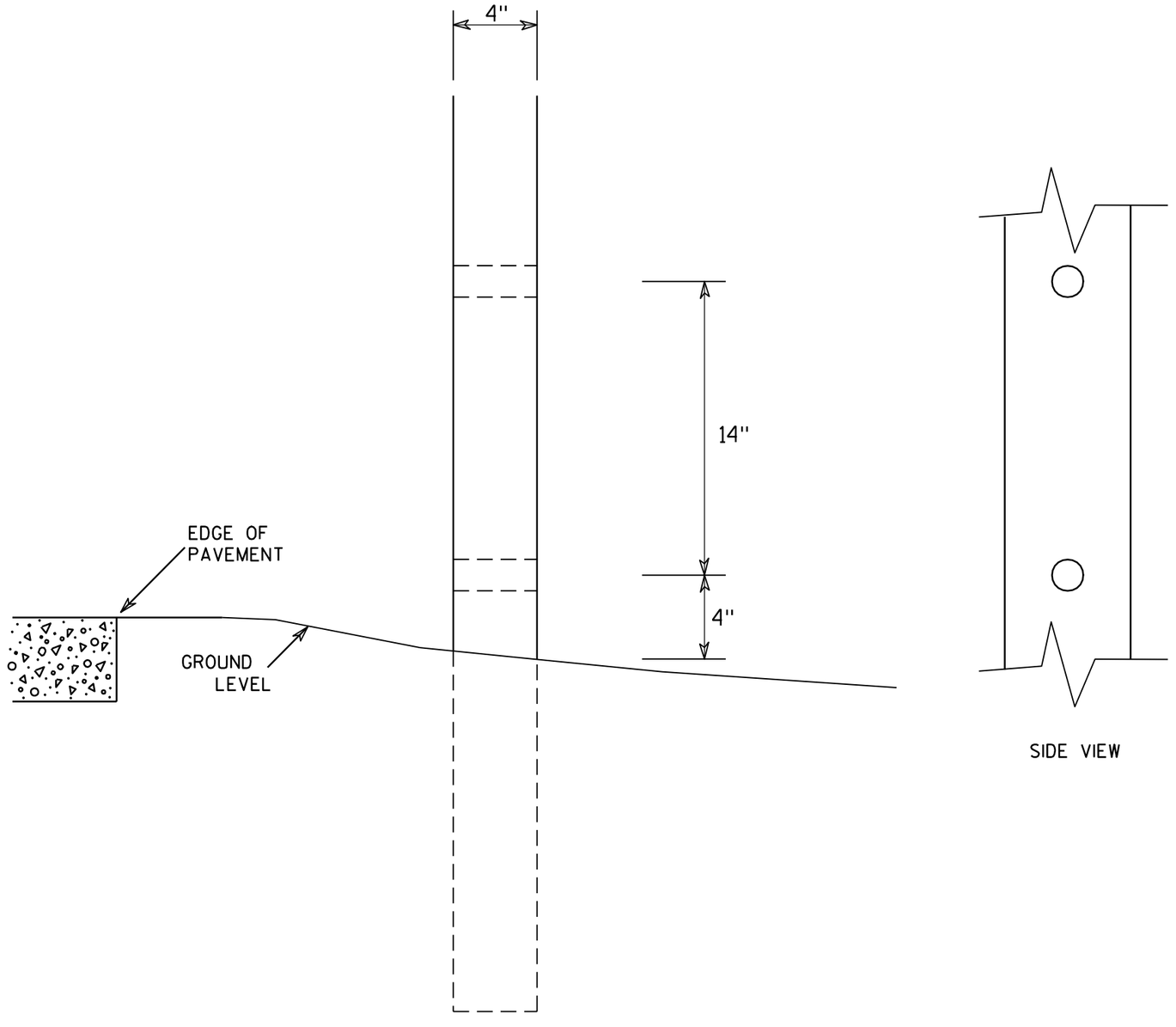


D1-3

7

7

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	PERMANENT SIGNING	SHEET NO: 316	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.

7

7

4 X 6 WOOD POST MODIFICATIONS

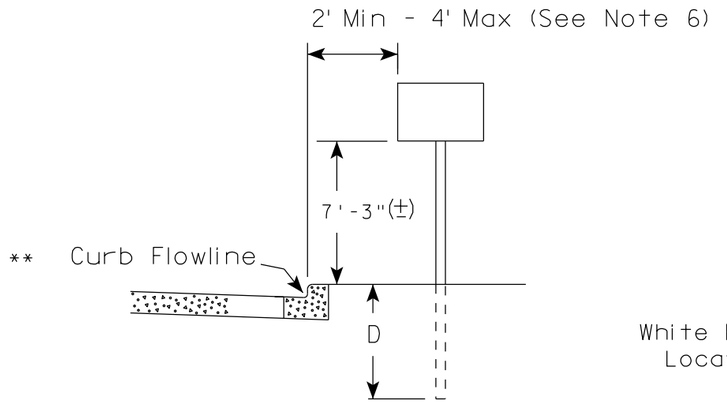
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

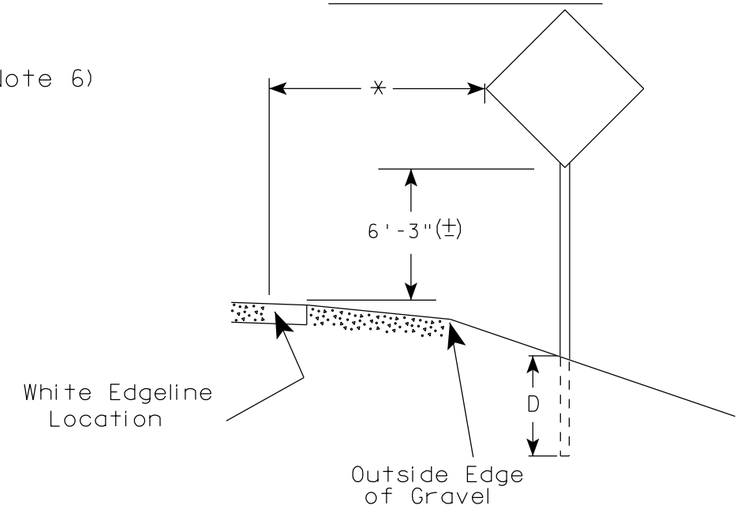
DATE 3/27/97 PLATE NO. A4-11.2

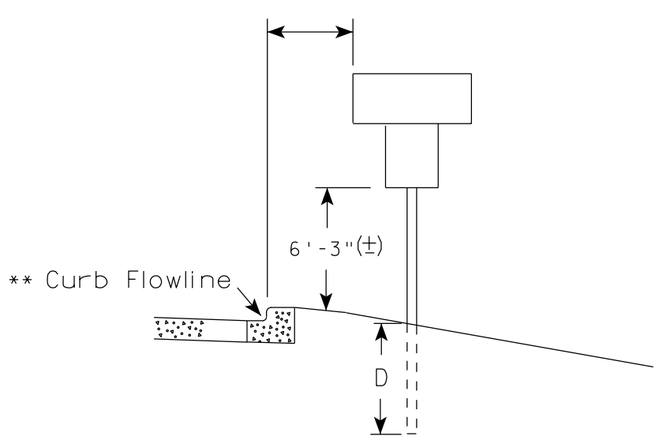
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 317	E

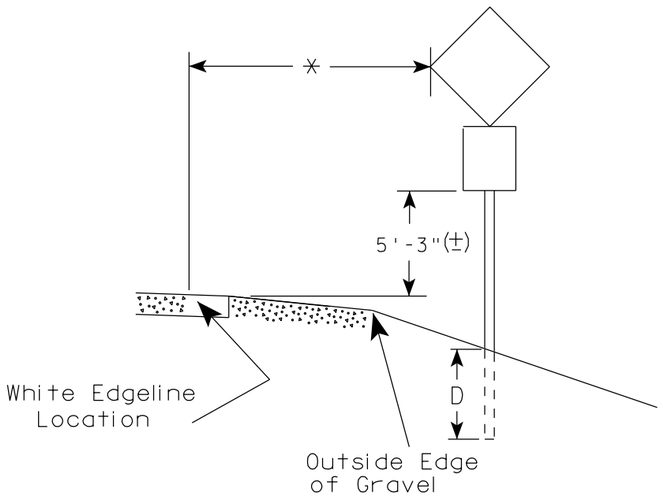
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet, 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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding 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" (±).

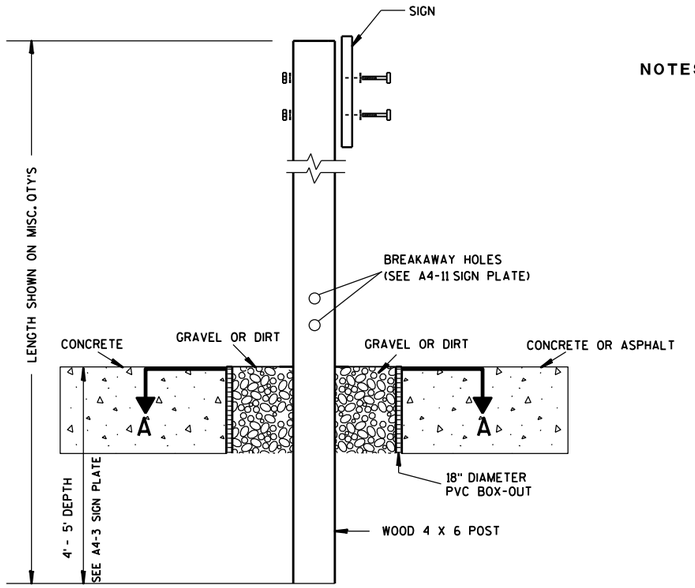
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-3.19

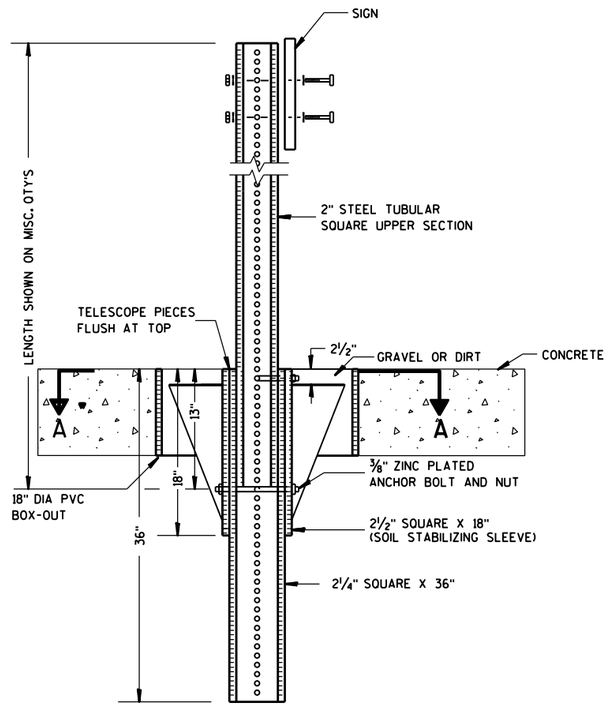
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

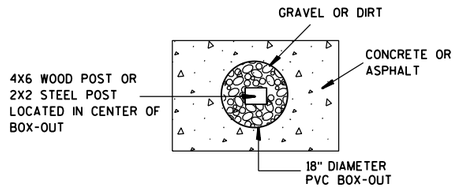
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

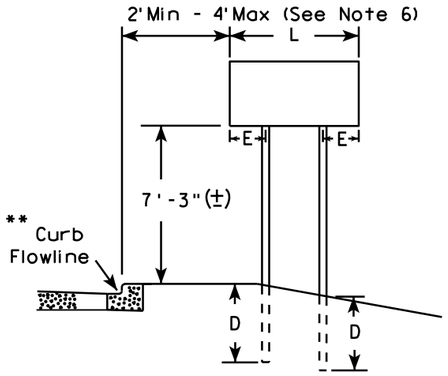
APPROVED Matthew R Rauch
for State Traffic Engineer

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

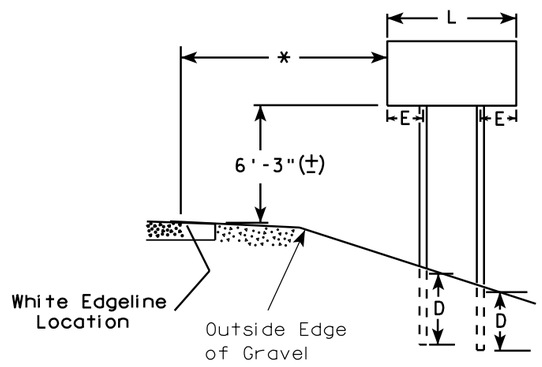
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

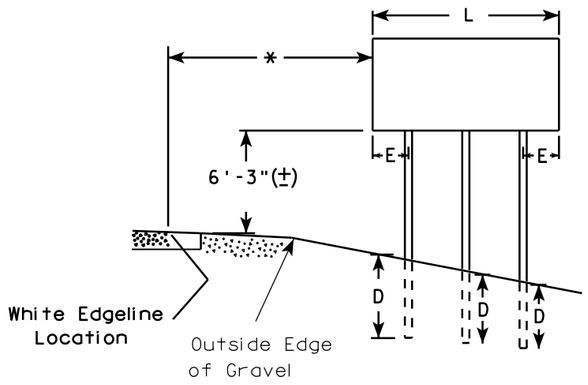
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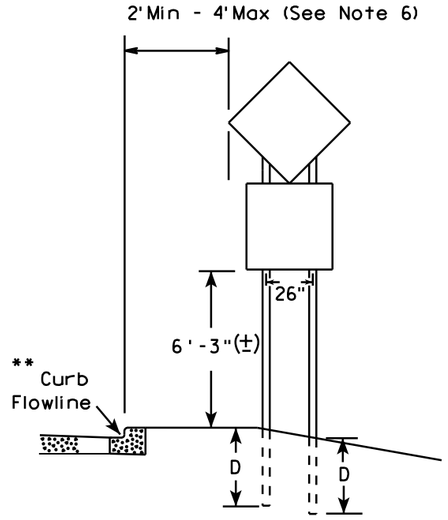
URBAN AREA



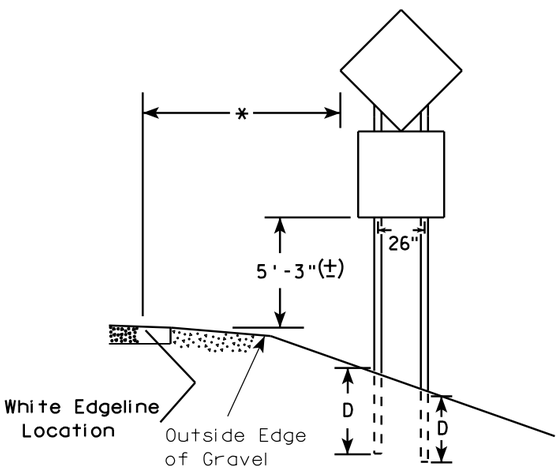
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding 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 or less than 20 S.F. in area.

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

***

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

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

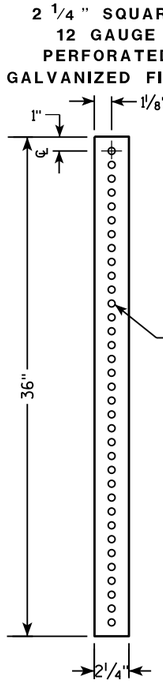
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-4 320 13

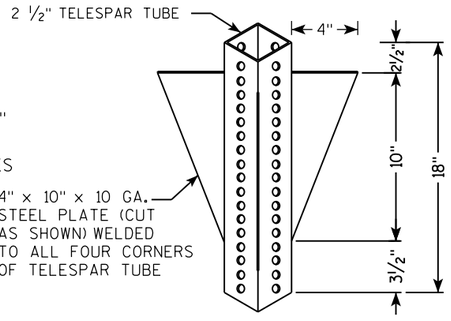
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

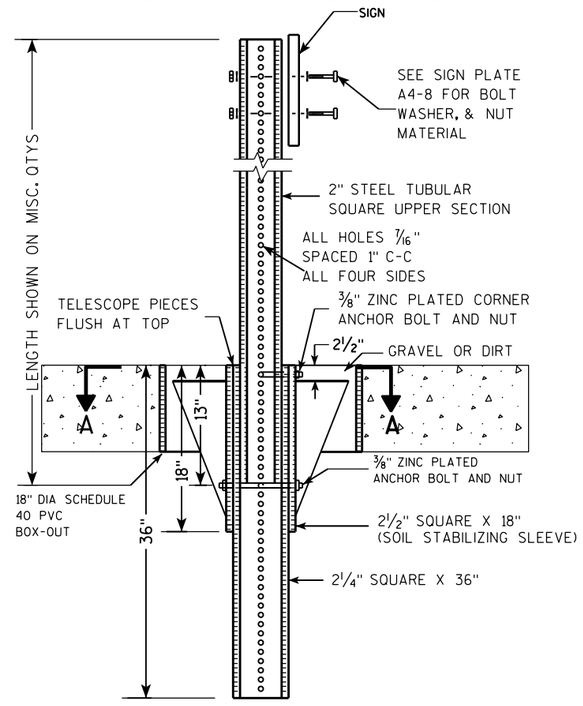
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



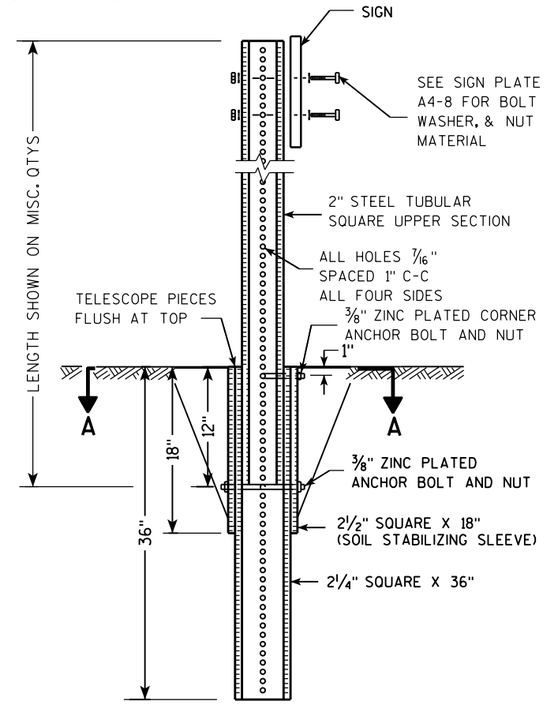
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

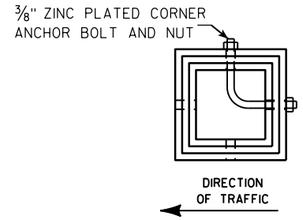


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

TUBULAR STEEL
SIGN POST
A4-9

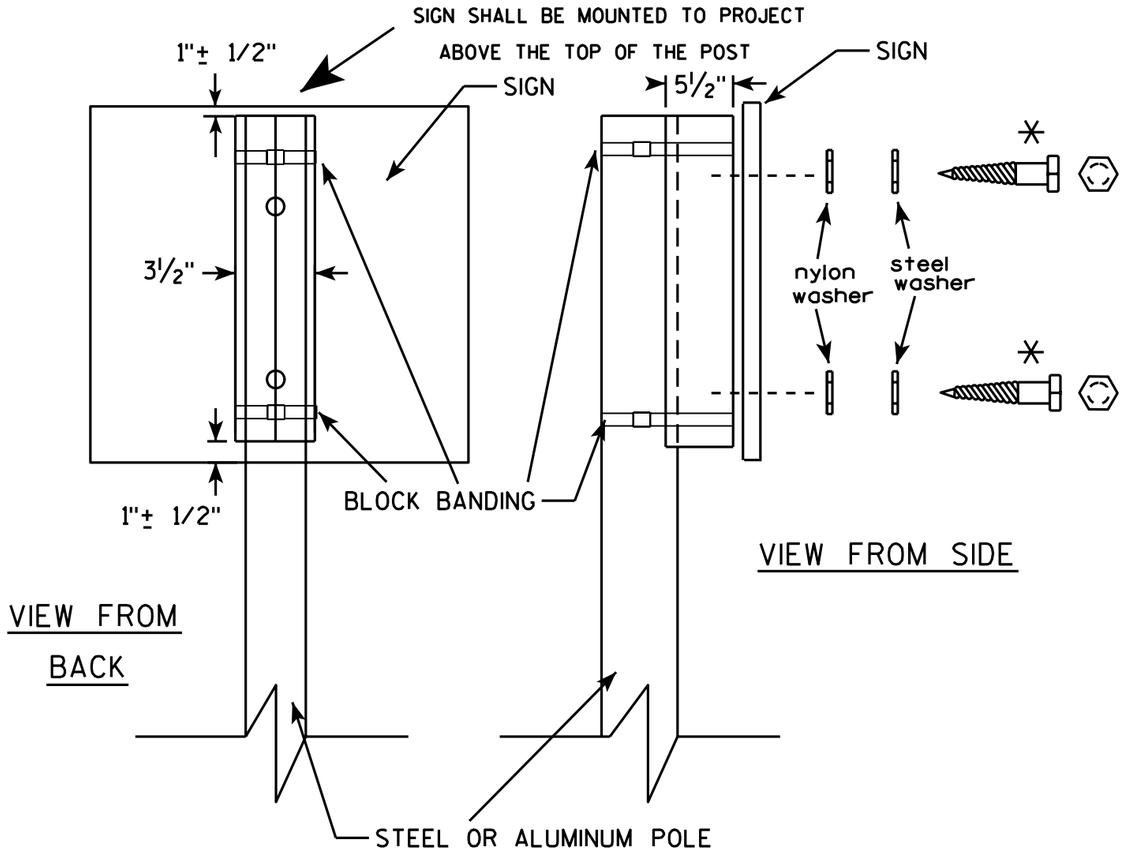
WISCONSIN DEPT OF TRANSPORTATION

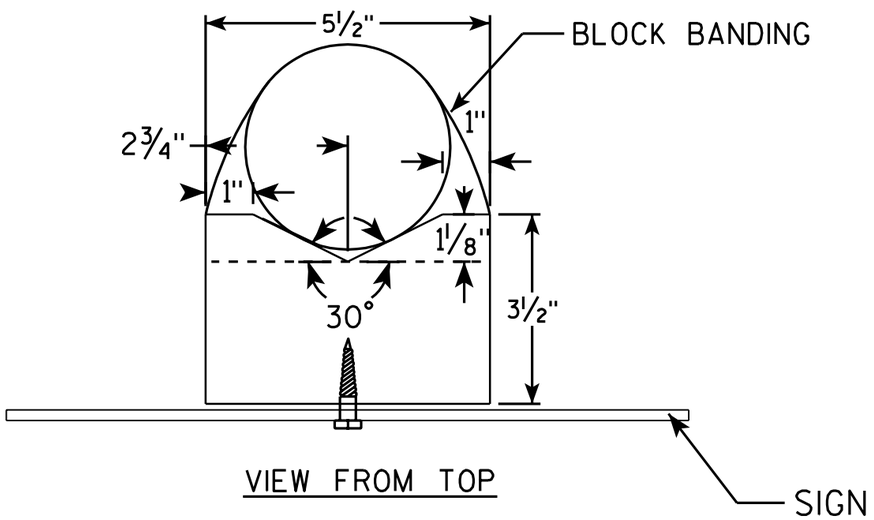
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42





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:

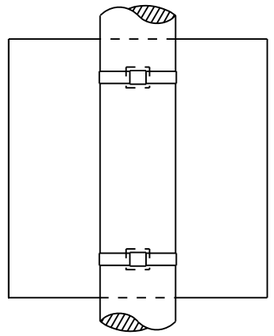
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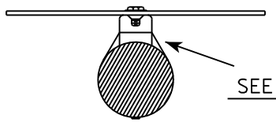
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WISDOT/CADDS SHEET 42

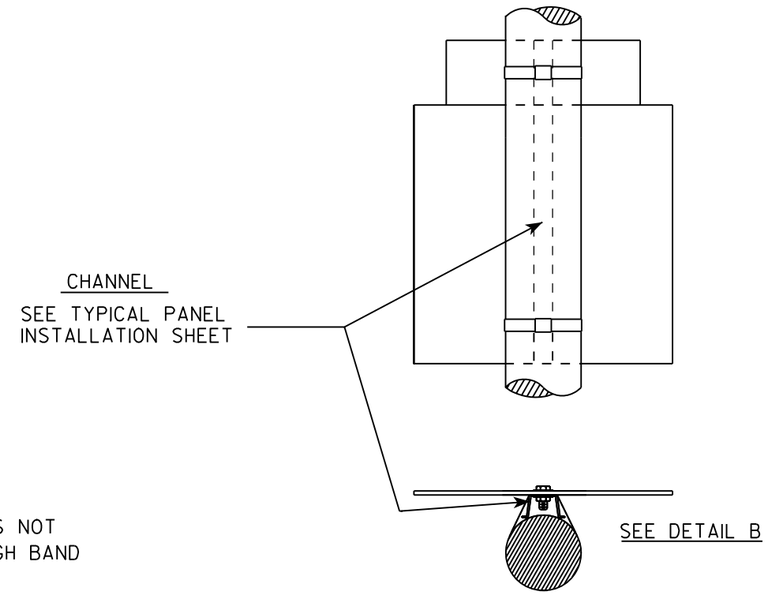
BANDING

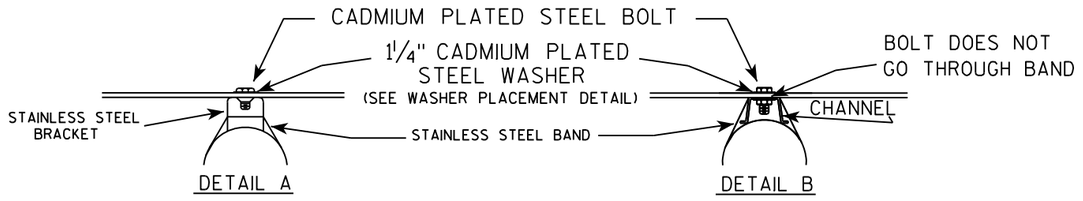
SINGLE SIGN



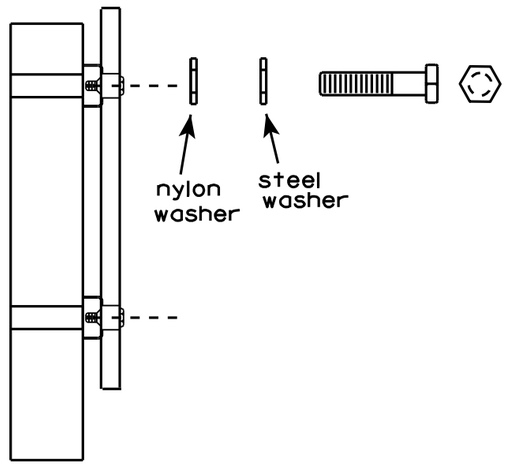


"J" ASSEMBLY





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.

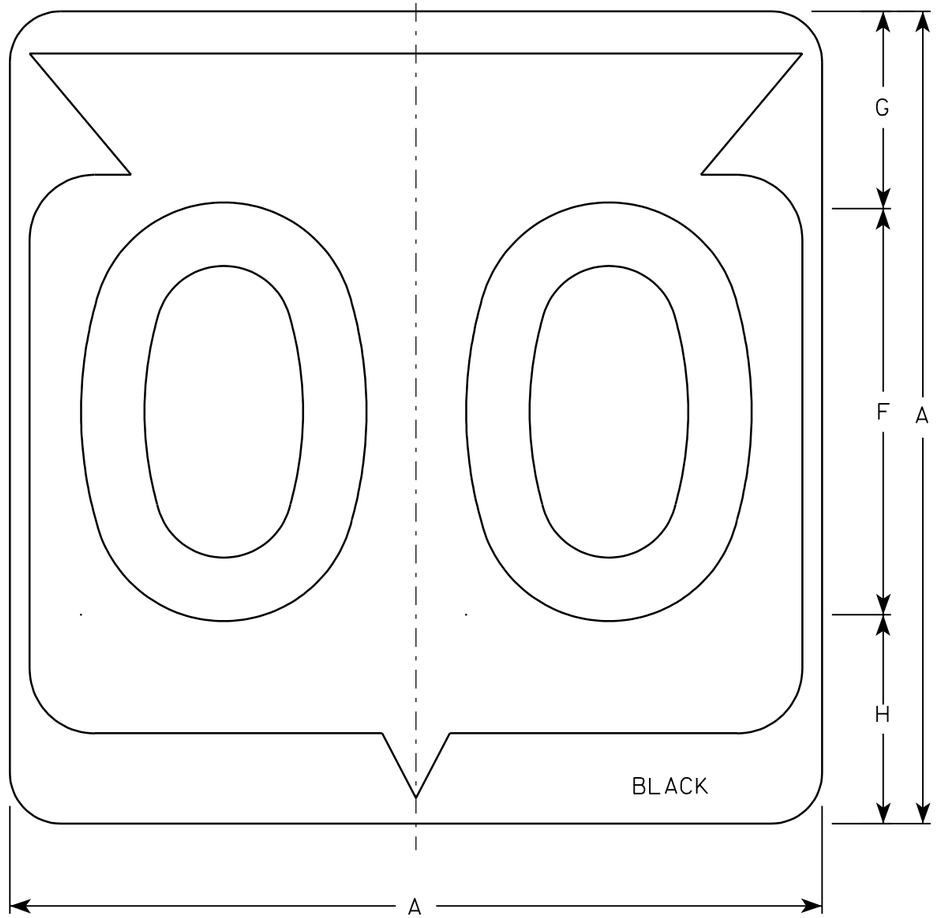
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

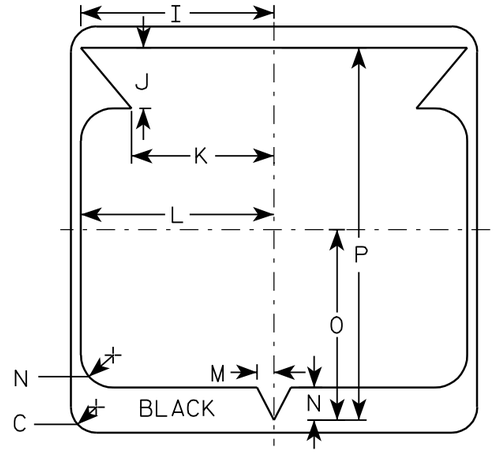
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 323	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

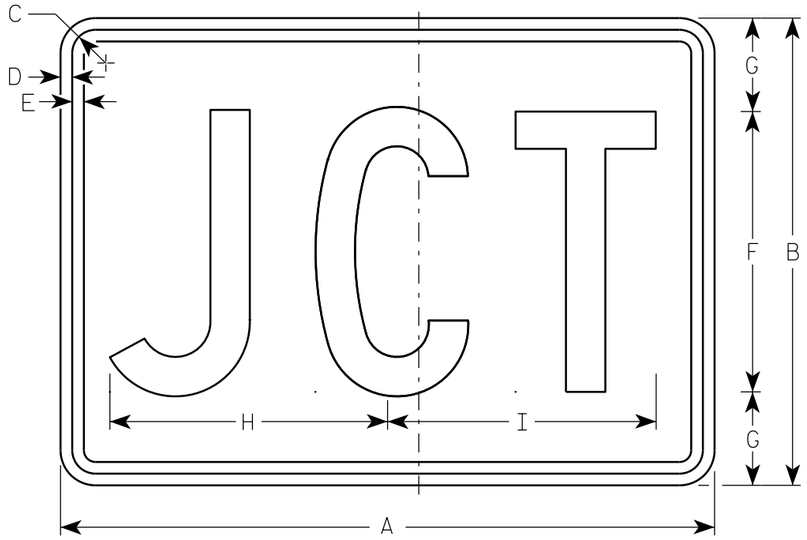
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

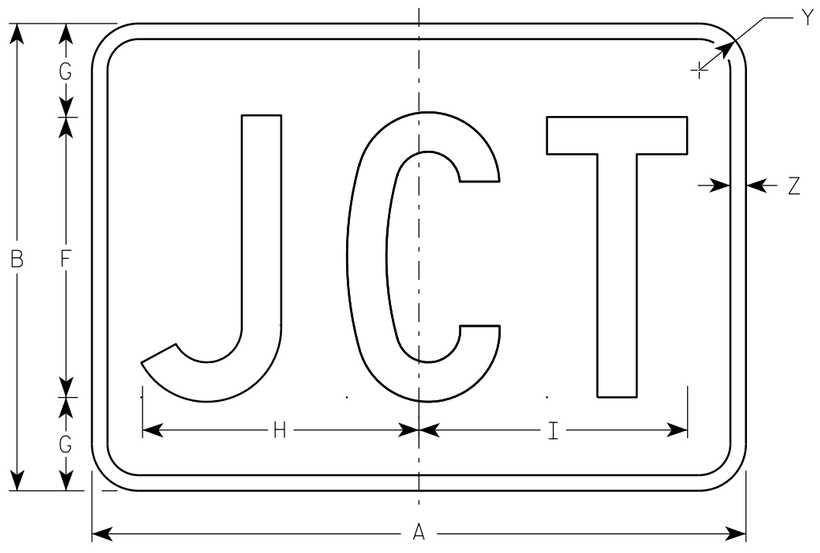
APPROVED Chester J Spang for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 324	E



M2-1
MK2-1
MM2-1
MN2-1
MR2-1



MB2-1

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
   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

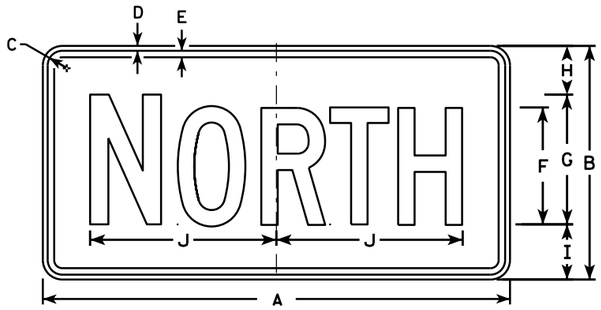
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

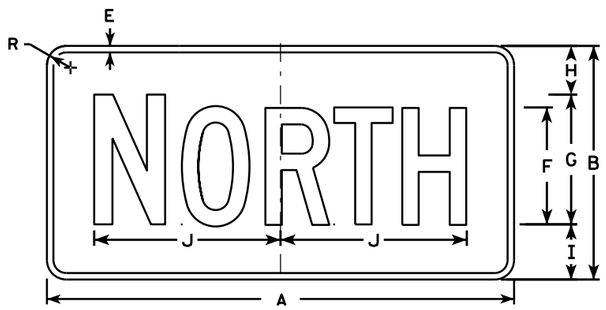
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/30/14 PLATE 325 12-1.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M3-1
MK3-1
MM3-1
MN3-1



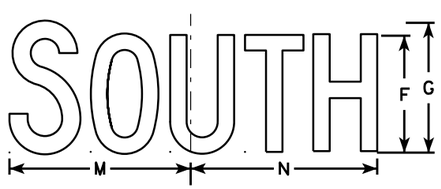
MB3-1



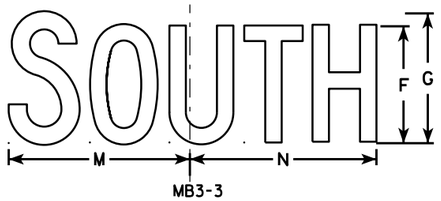
M3-2
MK3-2
MM3-2
MN3-2



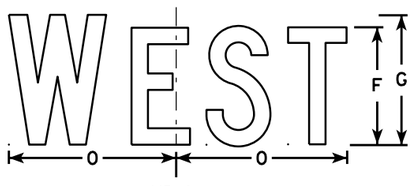
MB3-2



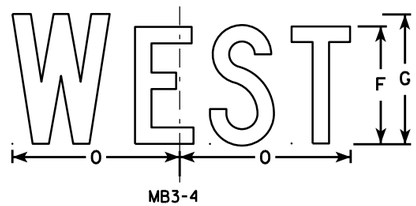
M3-3
MK3-3
MM3-3
MN3-3



MB3-3



M3-4
MK3-4
MM3-4
MN3-4



MB3-4

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
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

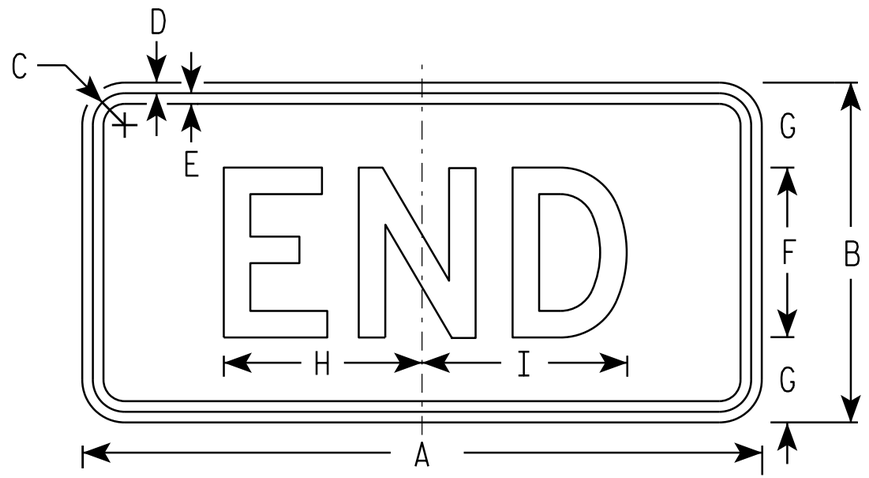
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

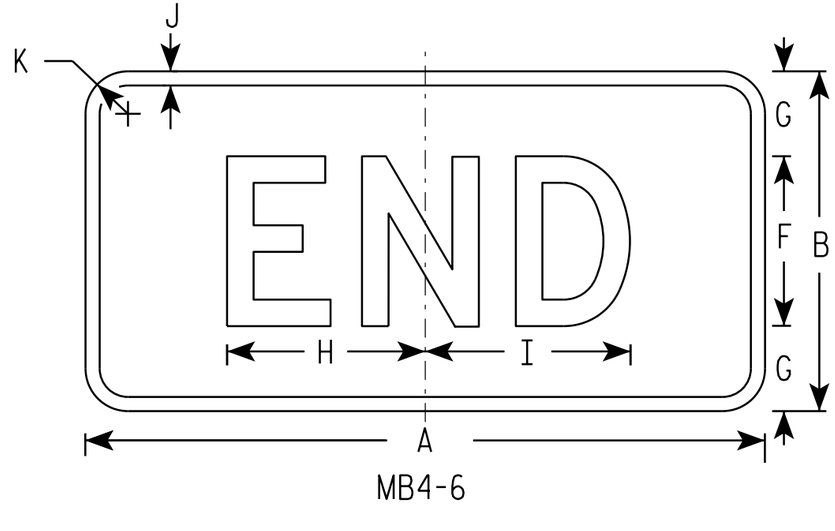
DATE 6/30/14 PLATE NO M3-1.13

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

7



M4-6
MK4-6
MM4-6
MN4-6
MR4-6



MB4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MR4-6 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

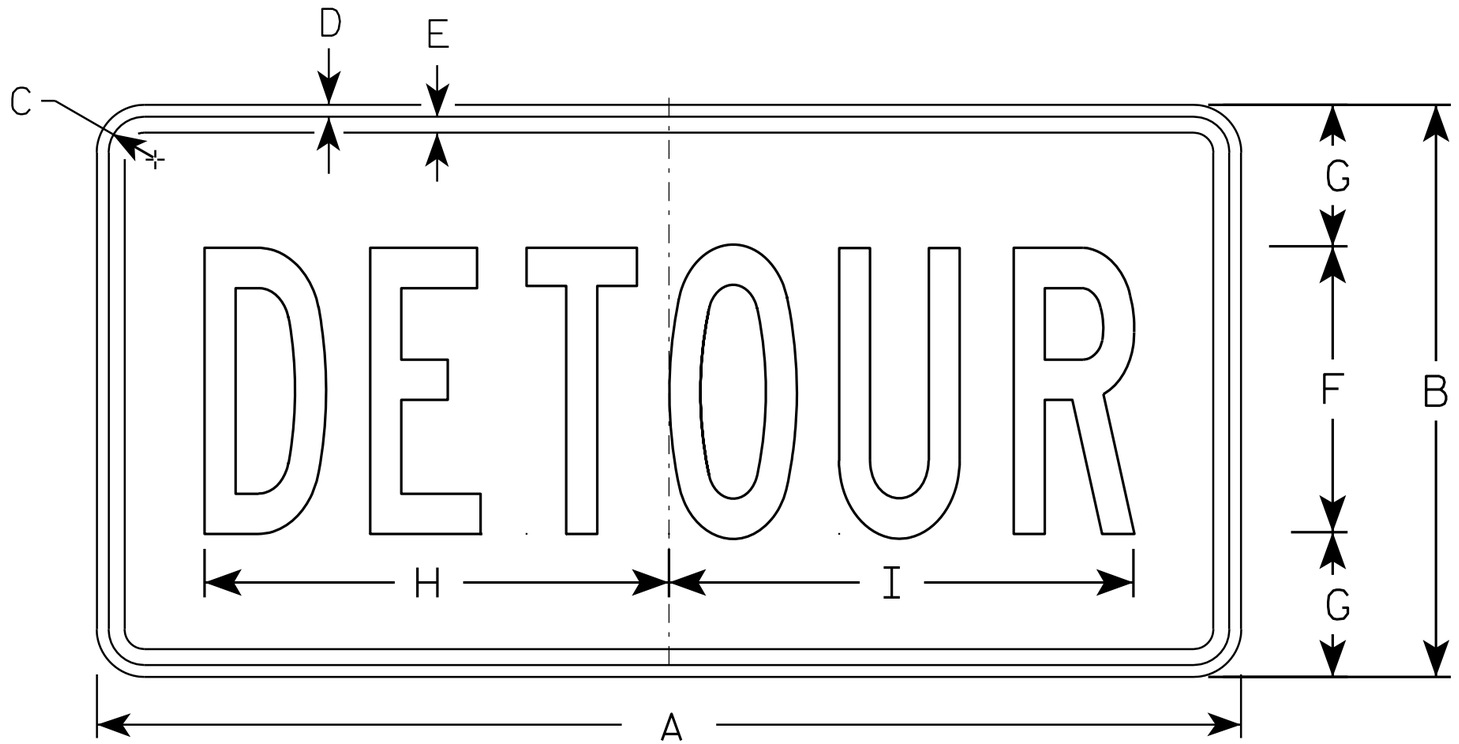
STANDARD SIGN
M4-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE 14-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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																											

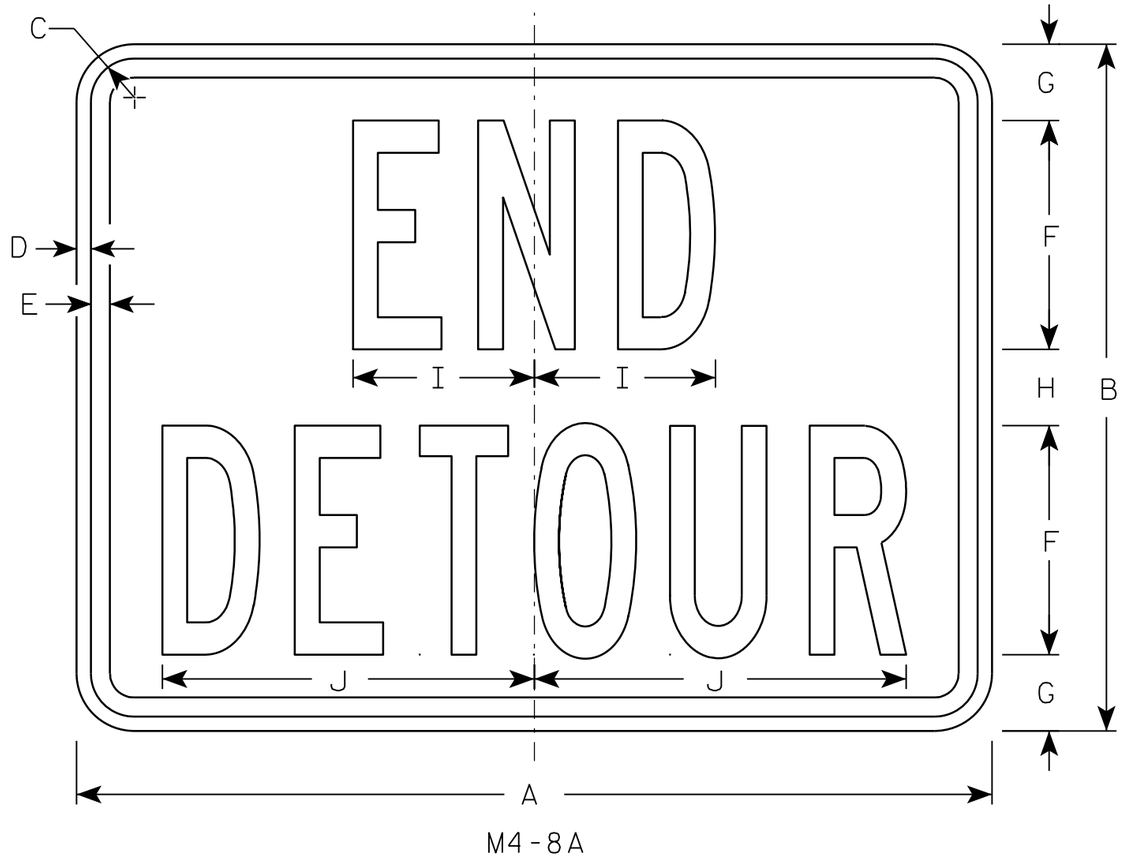
STANDARD SIGN
M4-8

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: 328 | 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																											

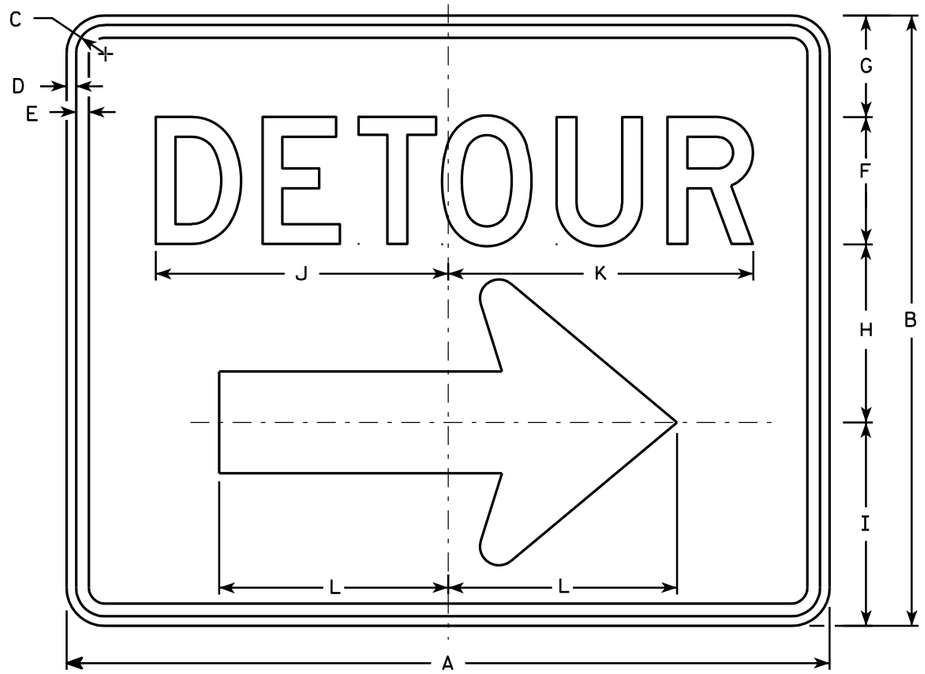
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

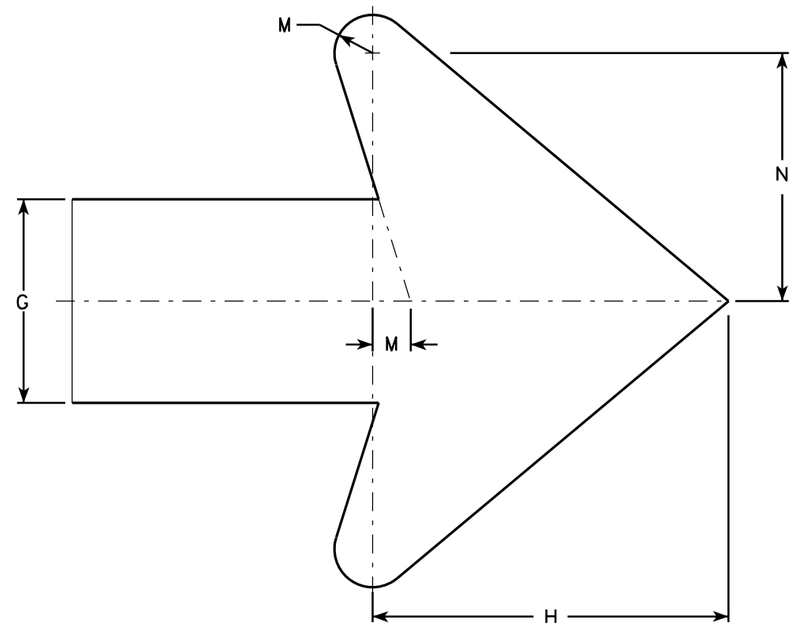
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 329	E



M4-9R

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow 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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

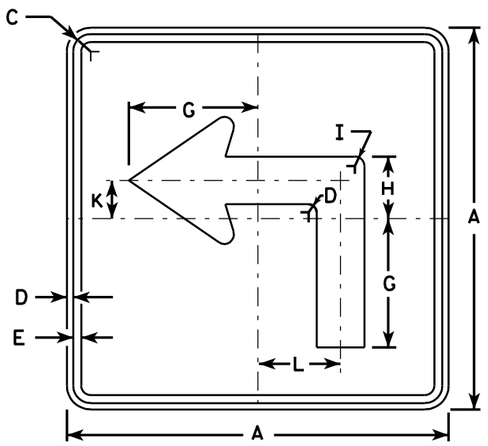
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

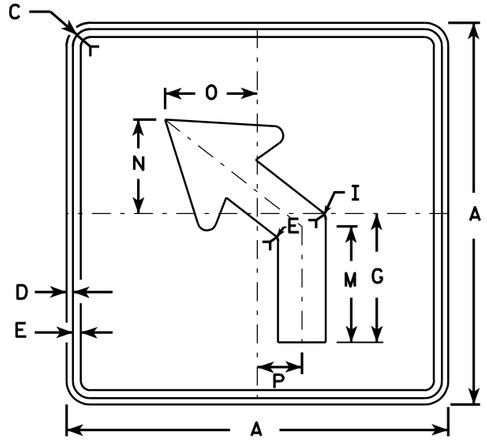
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

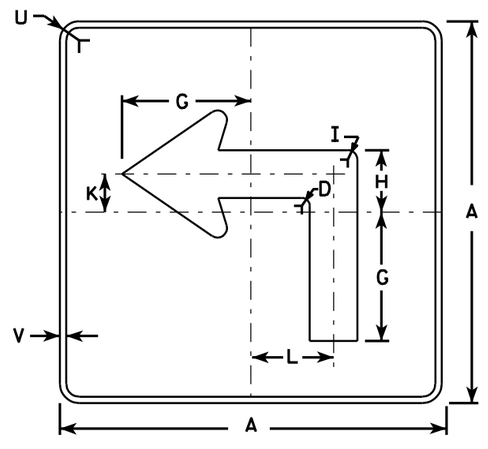
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 330 | E



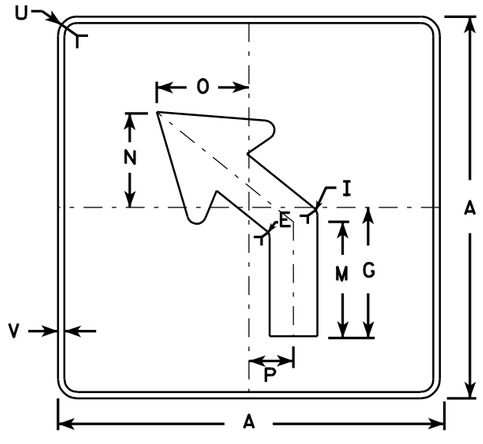
M5-1L
MK5-1L
MM5-1L
MO5-1L
MP5-1L
MR5-1L



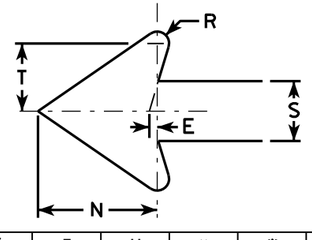
M5-2L
MK5-2L
MM5-2L
MO5-2L
MP5-2L
MR5-2L



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



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



NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White - Type H Reflective
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White - Type H Reflective
   MG5-1 and MG5-2 Background - Green
   Message - White - Type H Reflective
   MK5-1 and MK5-2 Background - Green
   Message - White Type H Reflective
   MM5-1 and MM5-2 Background - White - Type H Reflective
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White - Type H Reflective
   MO5-1 and MO5-2 Background - Orange - 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 - Type H Reflective
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

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 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

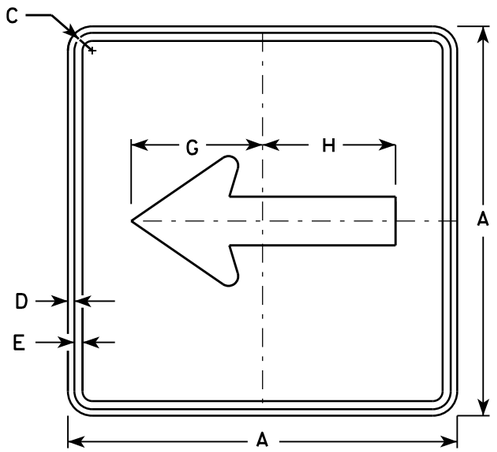
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M5-1.12

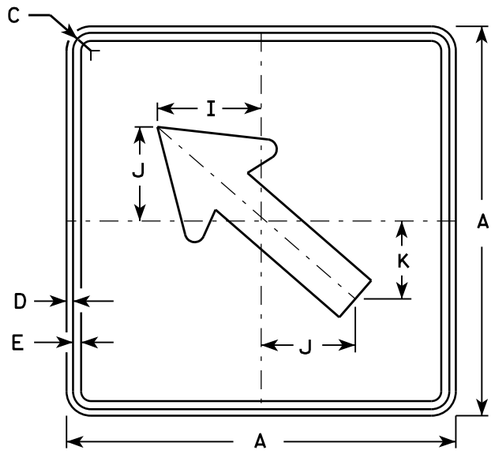
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 331	E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 29-JUL-2013 13:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.908552:1.000000
WISDOT/CADDS SHEET 42



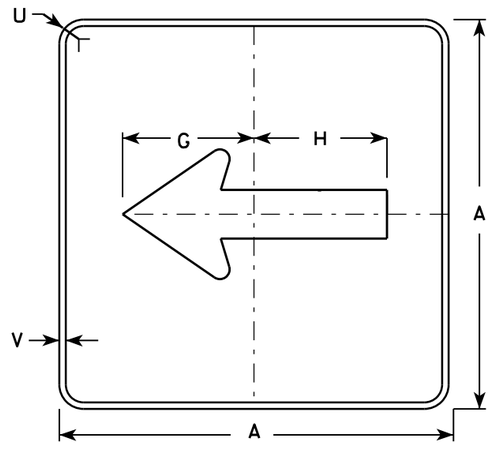
M6-1
MK6-1
MM6-1
MN6-1
MO6-1
MP6-1
MR6-1



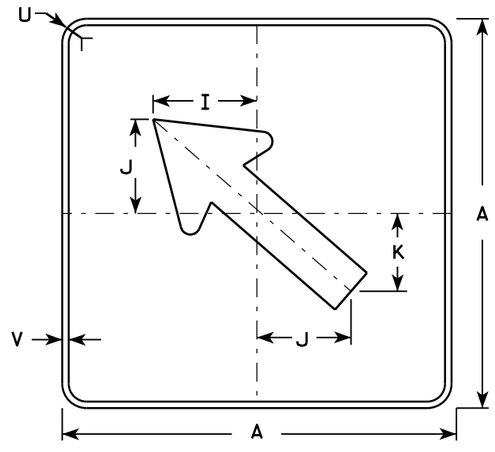
M6-2
MK6-2
MM6-2
MN6-2
MO6-2
MP6-2
MR6-2

NOTES

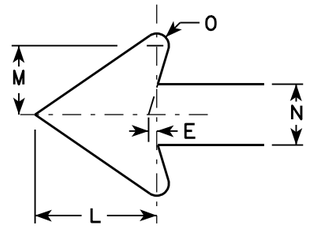
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MG6-1 and MG6-2 Background - Green
   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



MB6-2



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

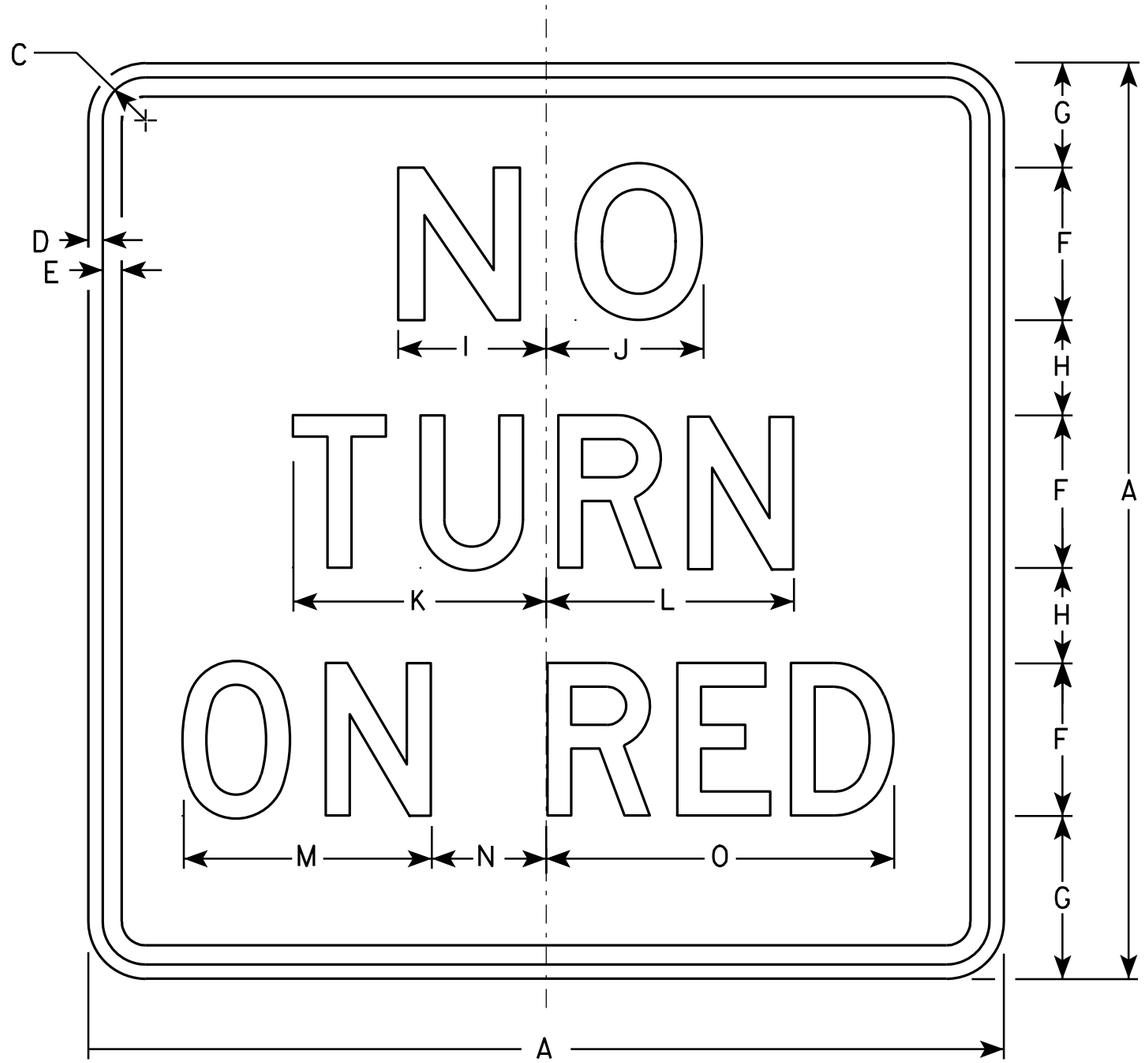
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/03/14 PLATE 332 M6-1.14

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



R10-11B

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 - 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 E.
   Lines 2 and 3 are Series D.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8	3/8	3/8	3	2 3/4	1 3/4	3	3 1/8	5	4 7/8	5 1/4	1 7/8	7 1/8												2.25
2S	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
3	30		1 3/8	1/2	5/8	5	4 1/2	3	4 7/8	5 1/4	8 1/4	8 1/8	7 3/4	4 1/8	11 7/8												6.25
4																											
5																											

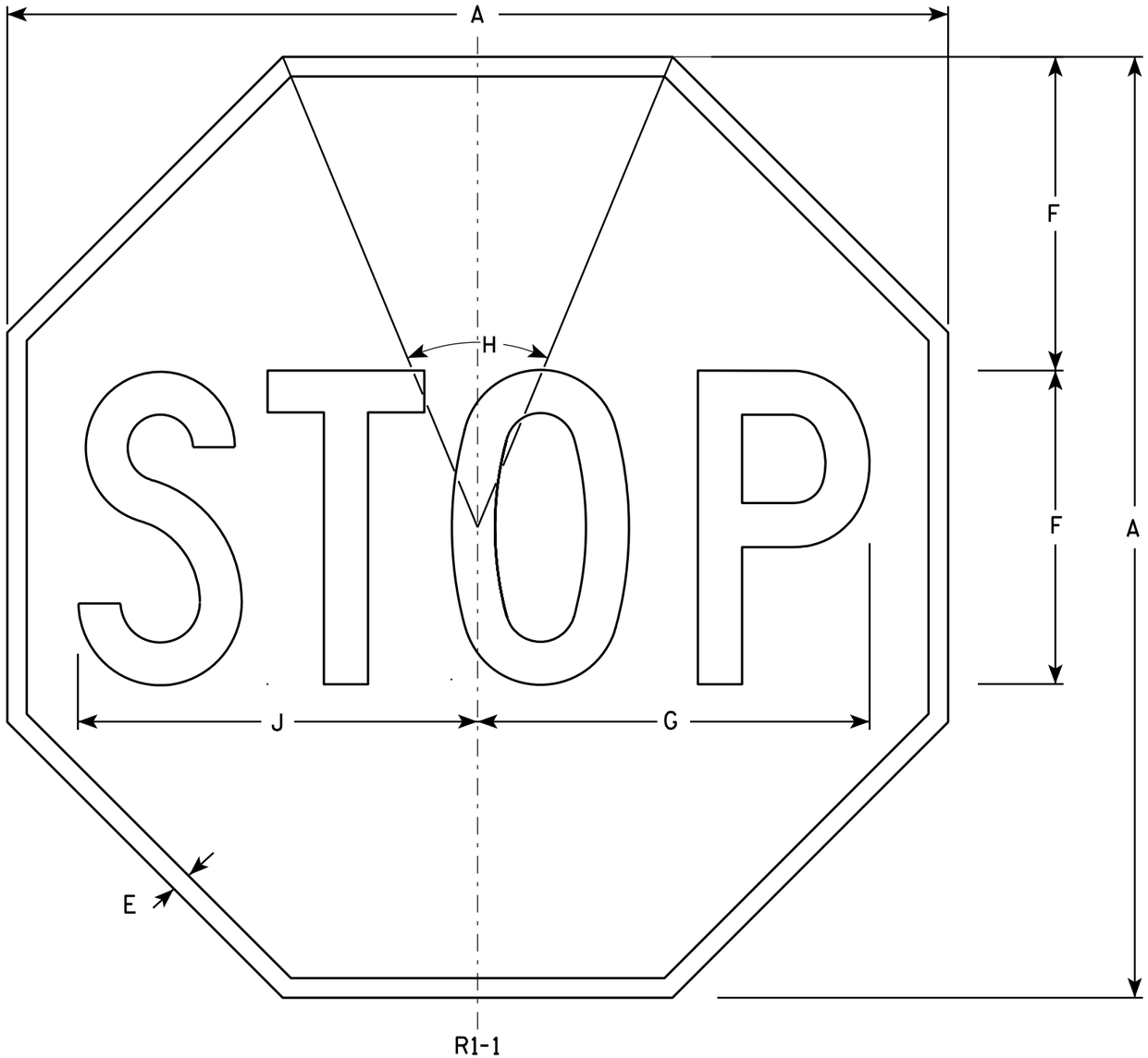
STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-11B.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 333 | E



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

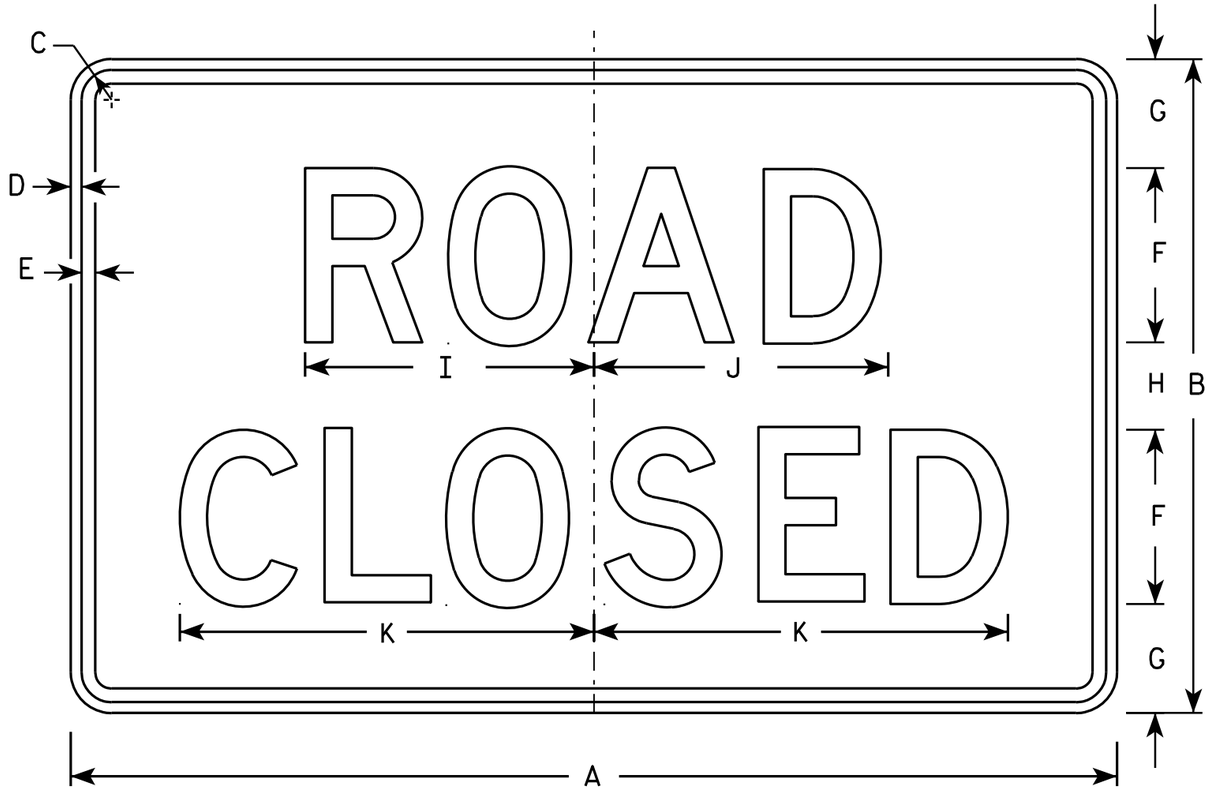
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

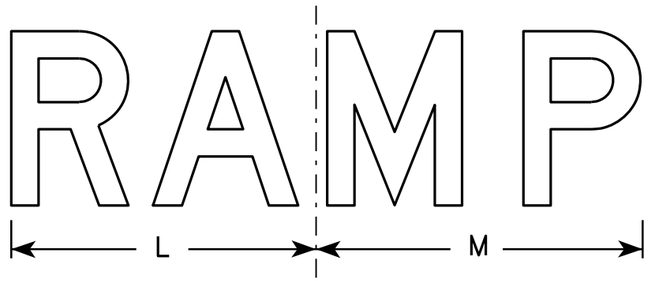
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 334	E



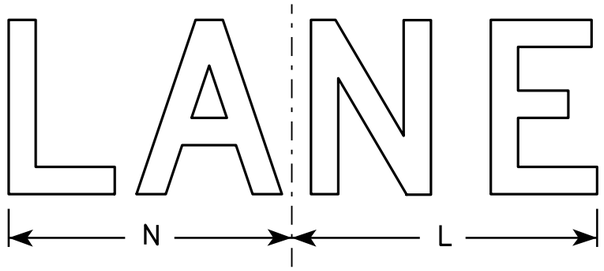
R11-2

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

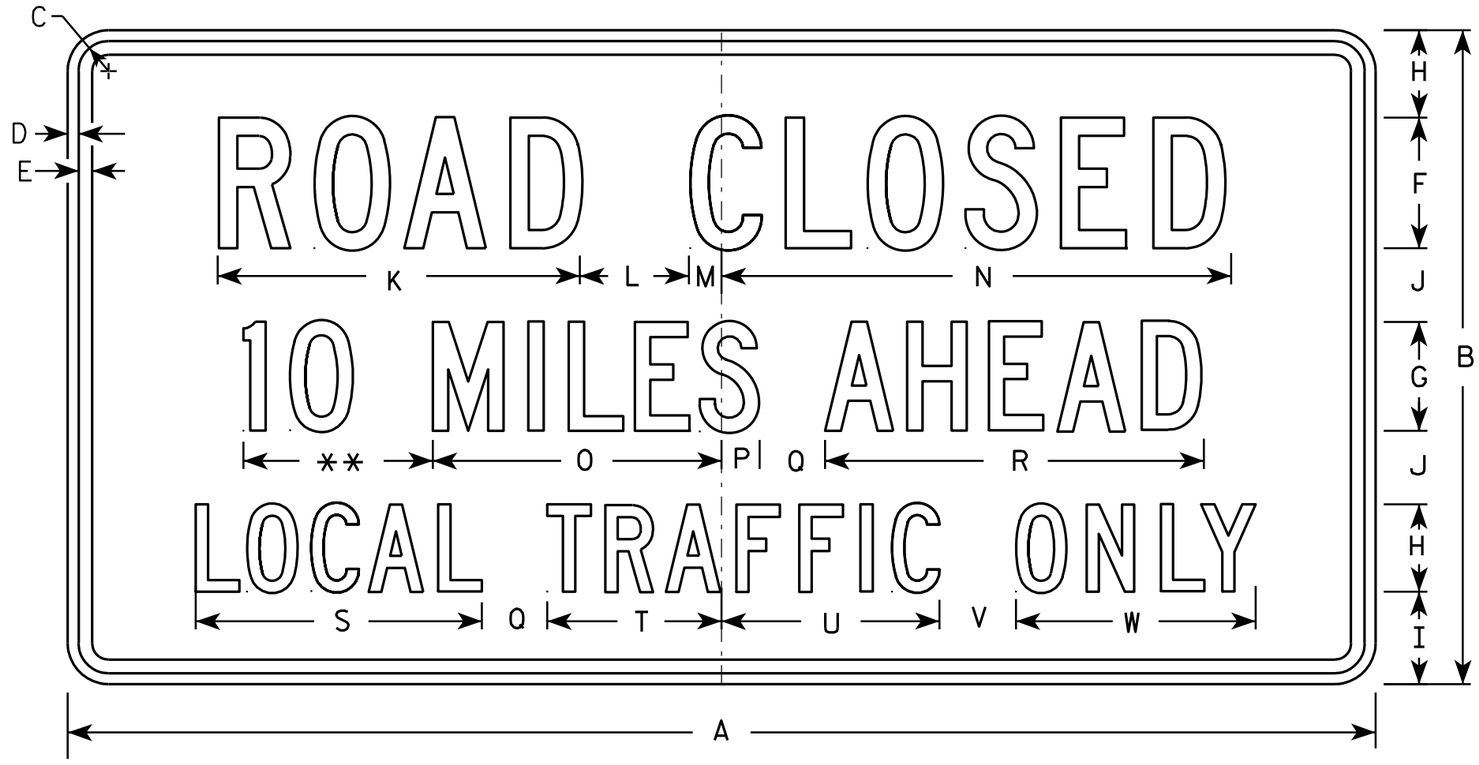
STANDARD SIGN
R11-2

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: 335	E



R11-3

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.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

** See Note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	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				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				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				12.5
3																											
4																											
5																											

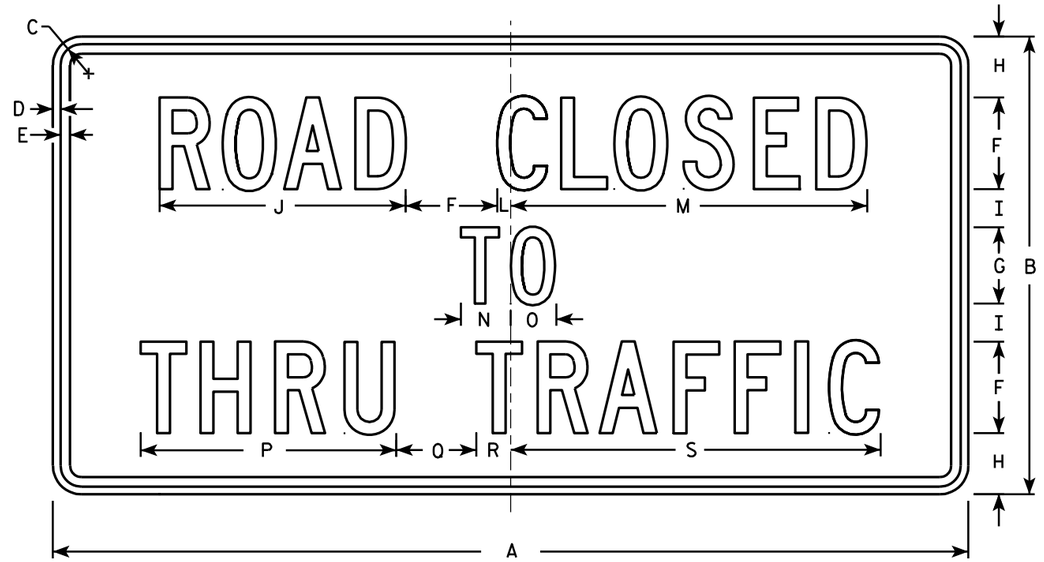
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-3.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 336 | 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																											

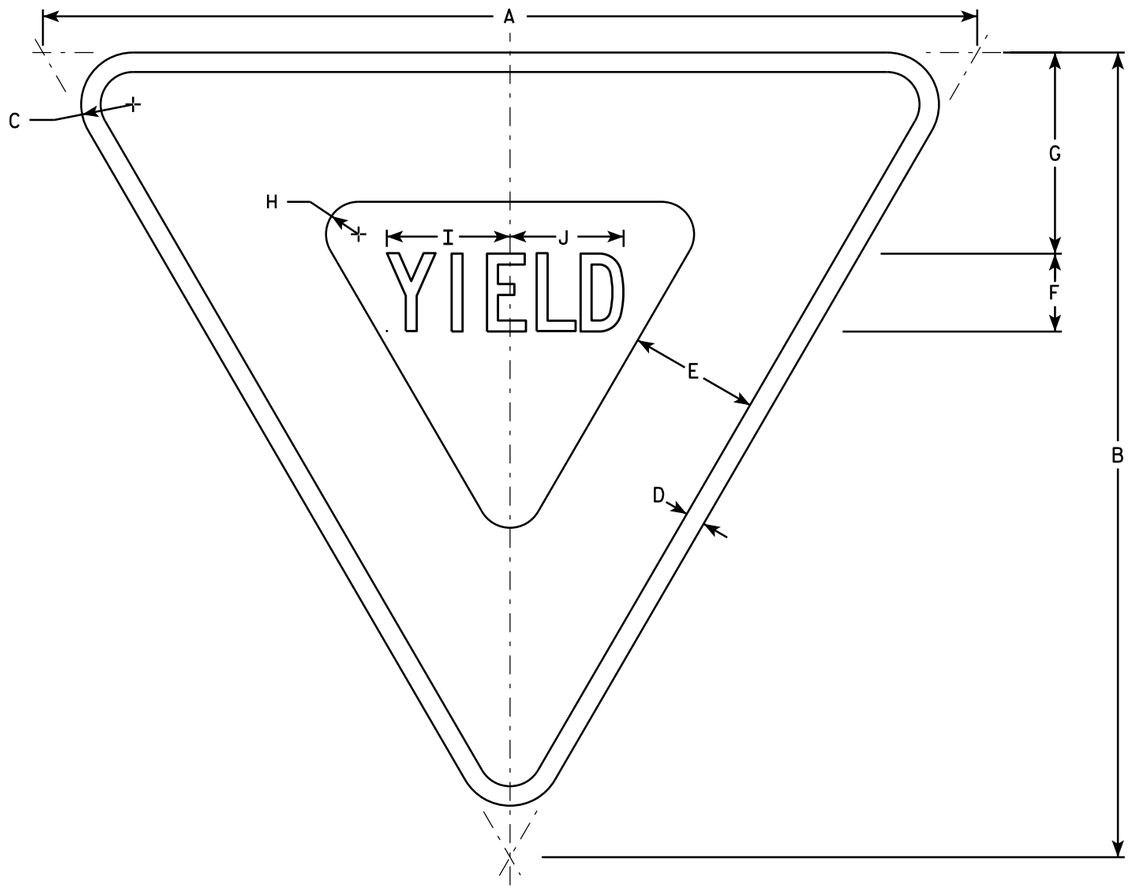
STANDARD SIGN
R11 - 4

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: 337 | E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

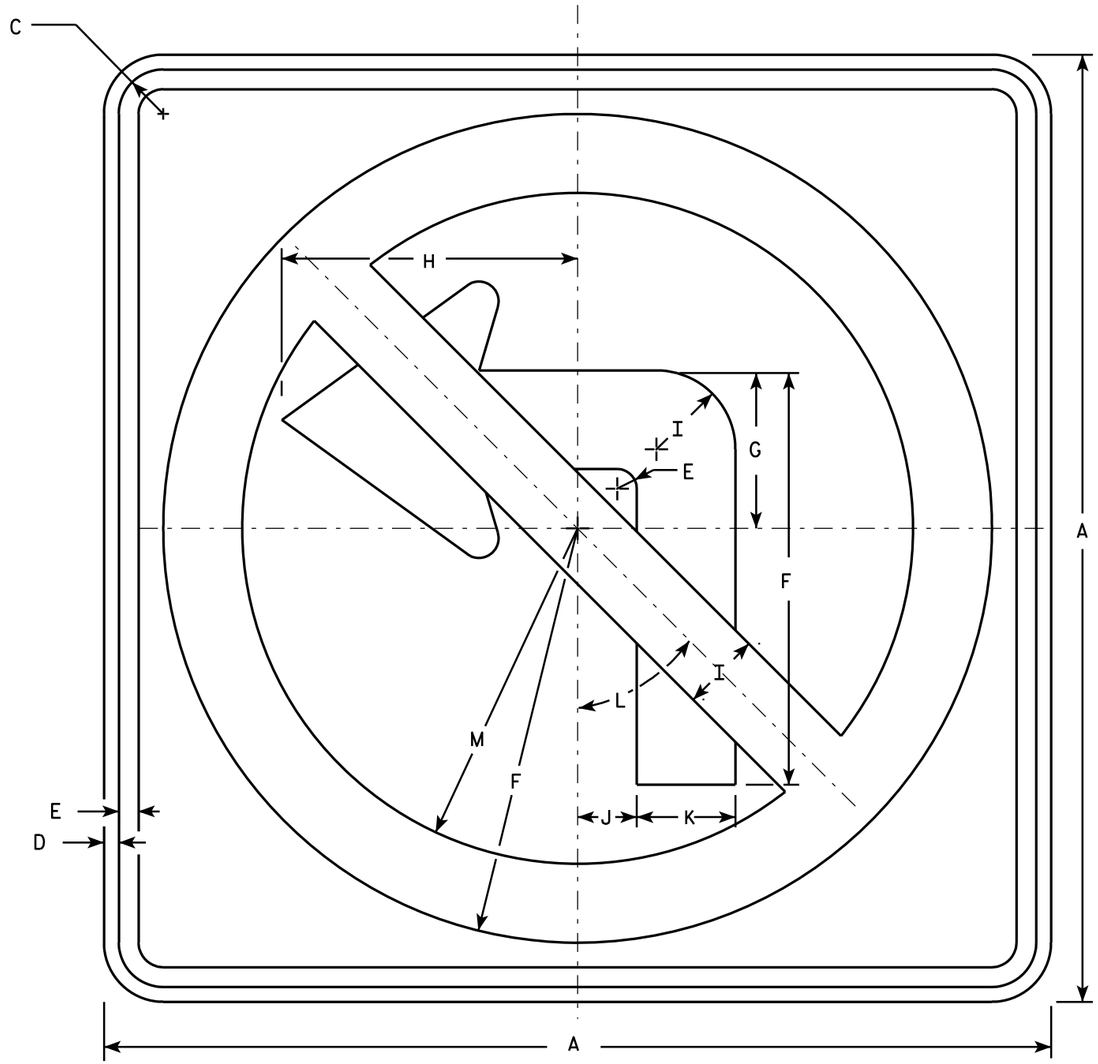
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

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

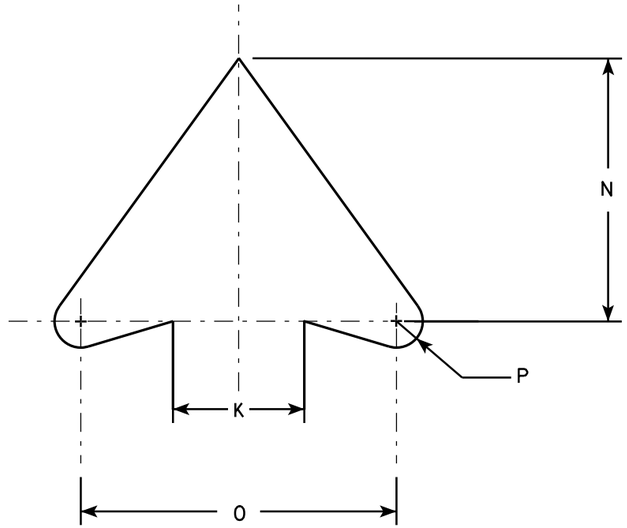
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

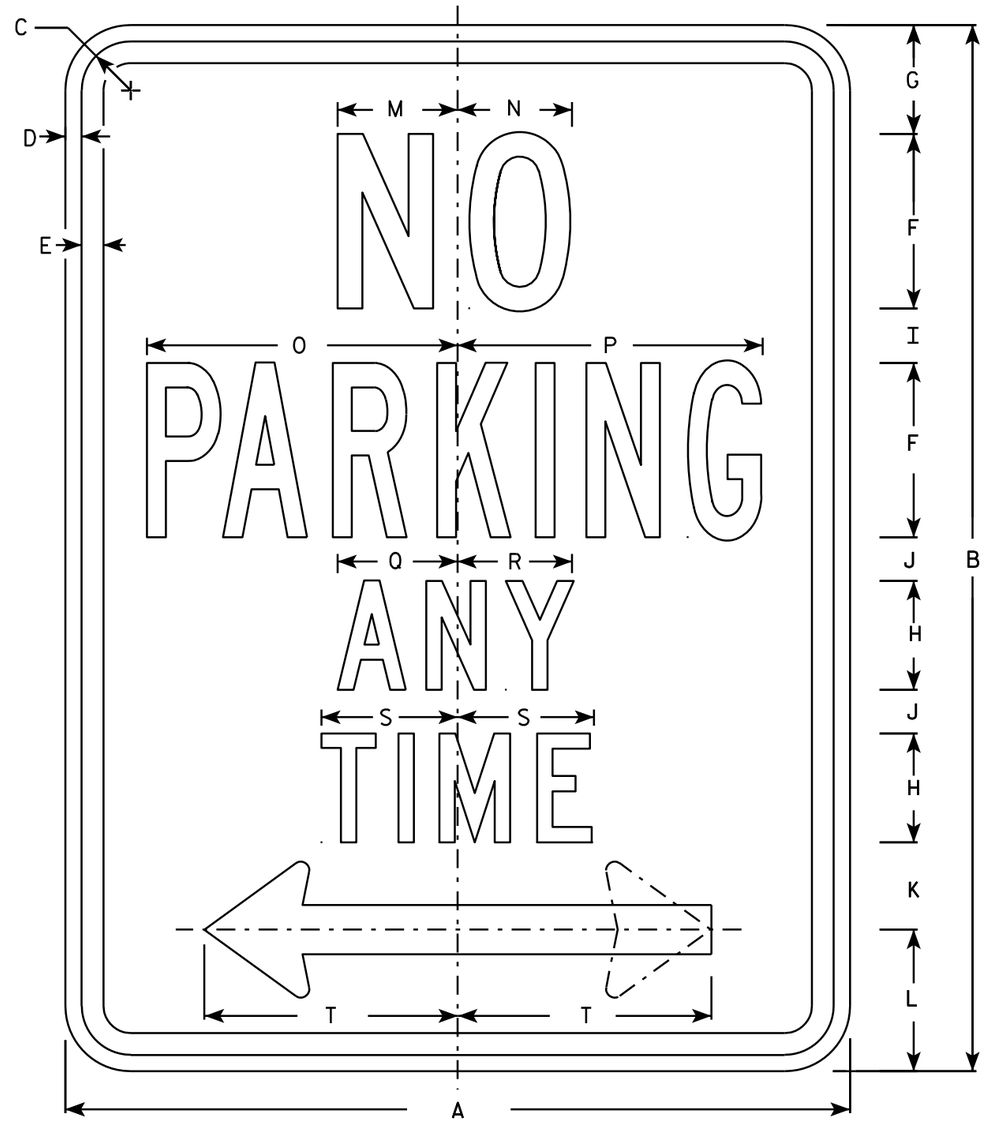
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

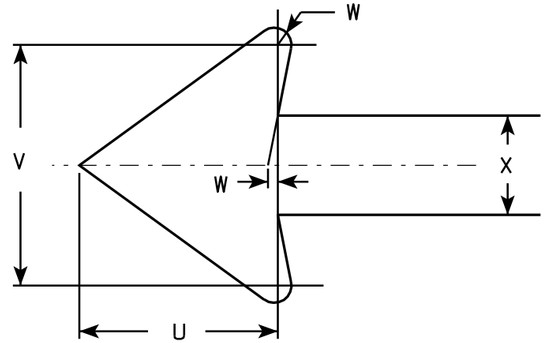
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 339 | E



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

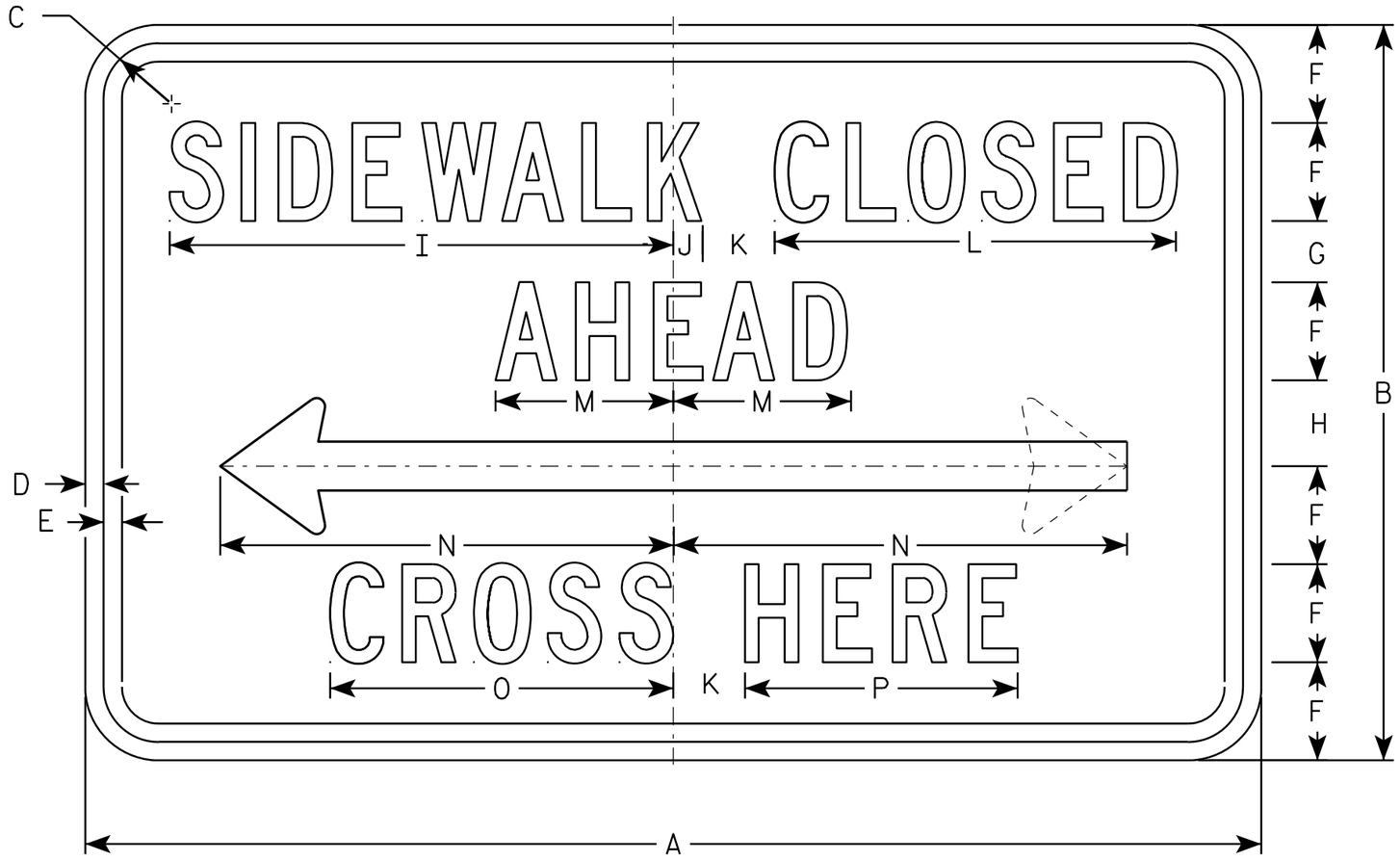
APPROVED Matthew R Rauch
for State Traffic Engineer

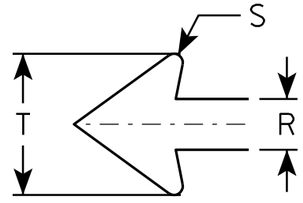
DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 340 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.DGN PLOT DATE : 31-MAR-2011 09:20 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.476110:1.000000

WISDOT/CADDS SHEET 42





R9-11

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 except Size 1 is 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	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2S	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
2M	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
3																											
4																											
5																											

STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2012 PLATE NO. R9-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 341	E



R9-55

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 - 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 E.
   Lines 2, 3 and 4 are Series C.

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

STANDARD SIGN
R9-55

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/2011 PLATE NO. R9-55.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 342	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R955.DGN PLOT DATE : 04-APR-2011 14:38 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.972696:1.000000

WISDOT/CADDS SHEET 42

7

7



R9-9

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	30	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
2M	30	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
3																											
4																											
5																											

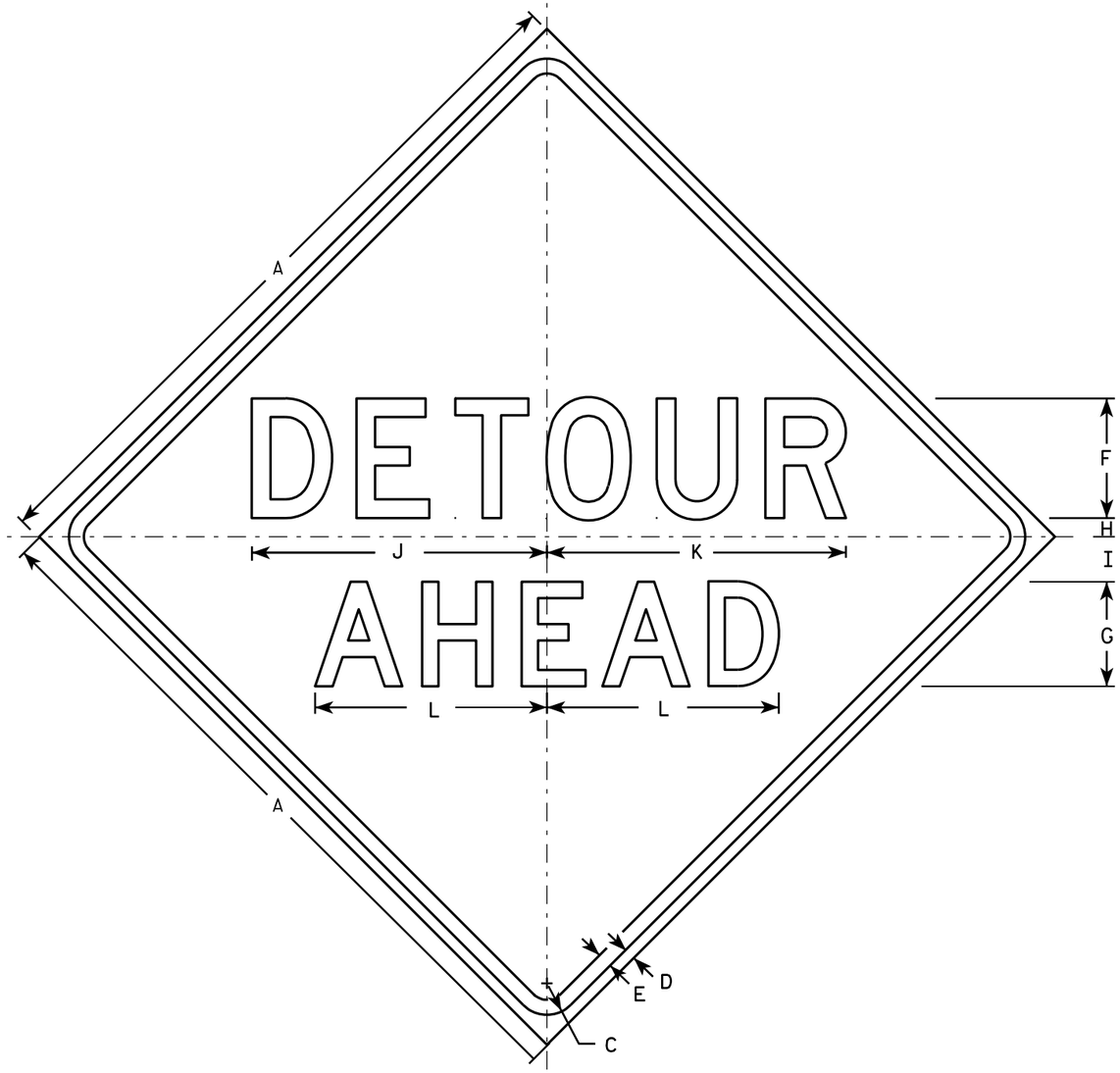
STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

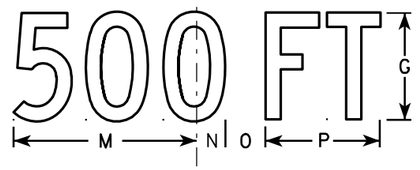
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R9-9.5

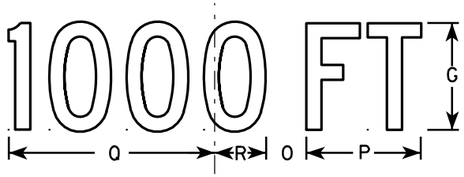
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 343	E



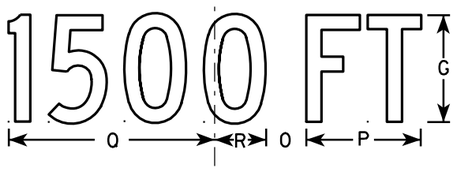
W20-2A



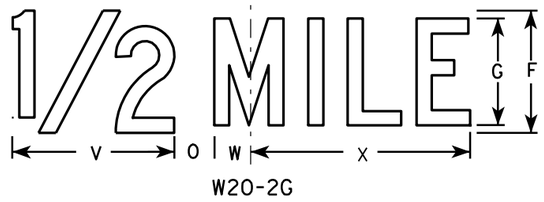
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

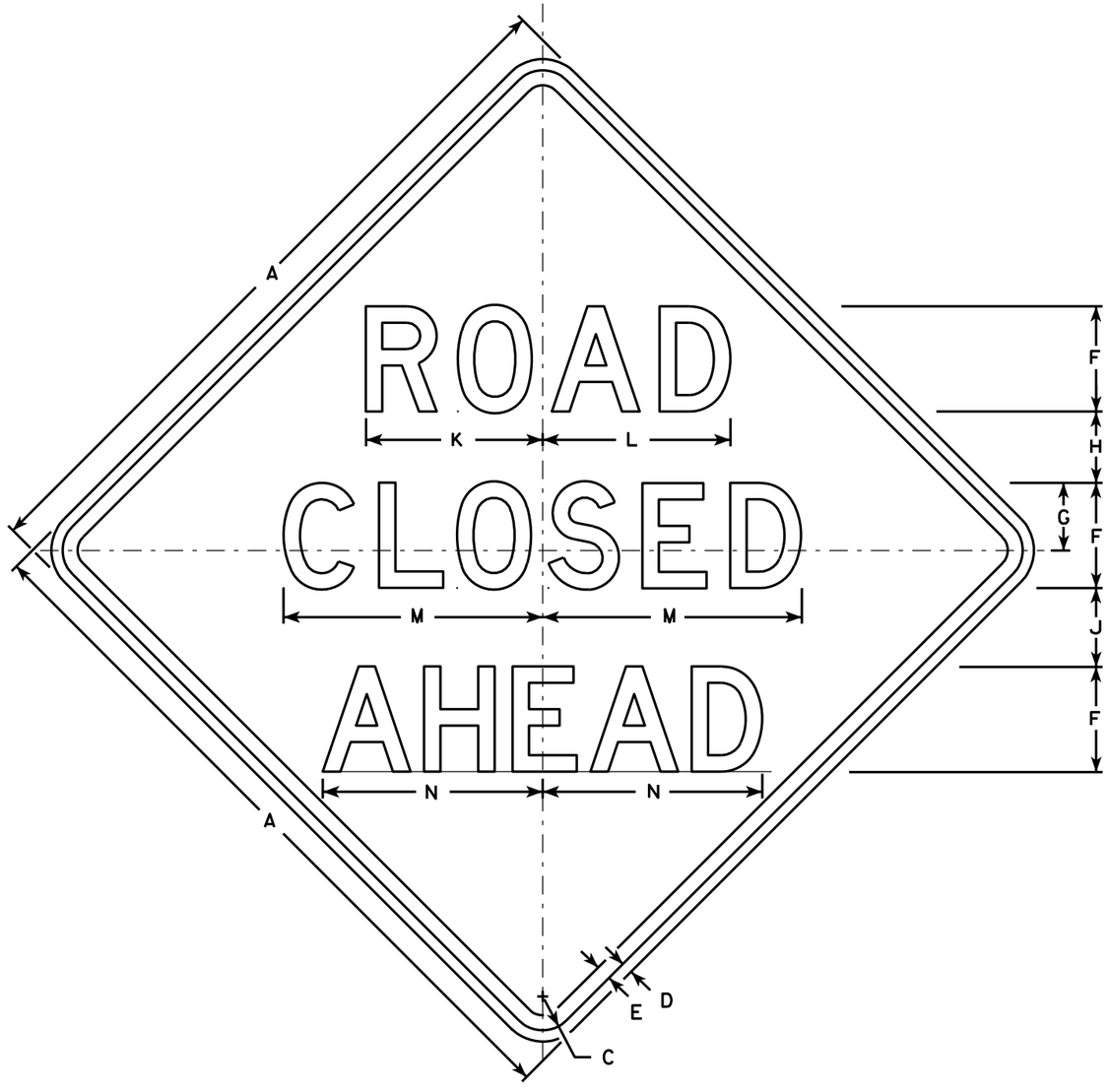
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

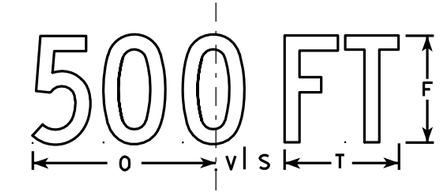
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 344 | E

7

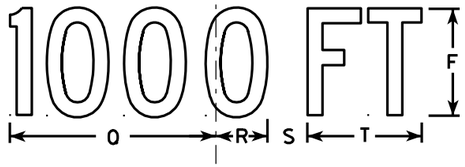
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



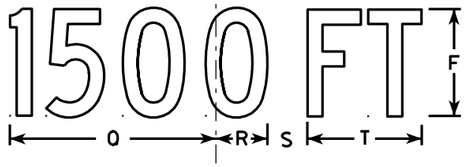
W20-3A



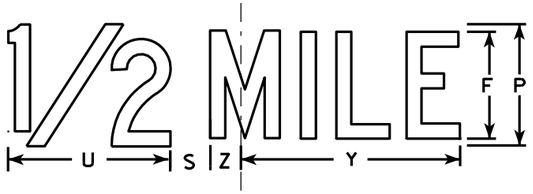
W20-3D



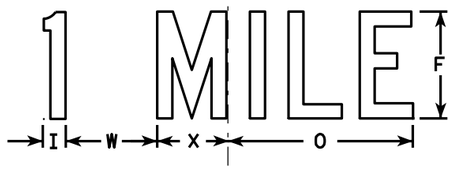
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

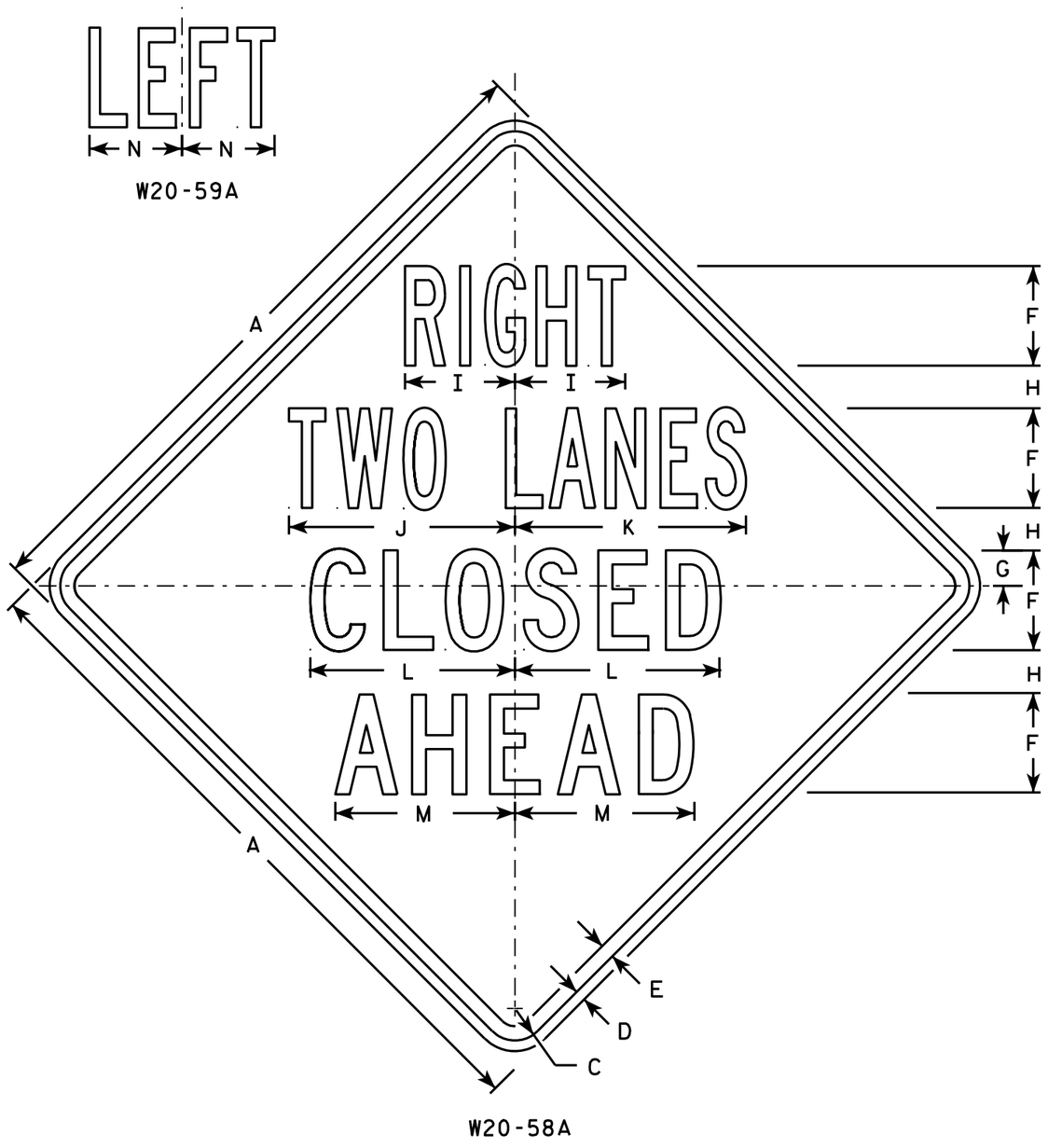
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

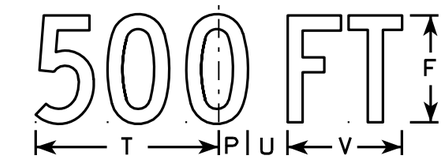
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

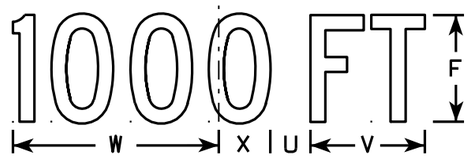
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 345 | E



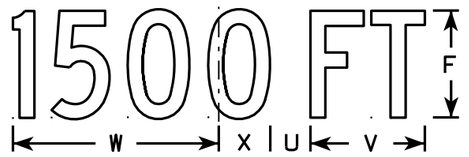
W20-58A



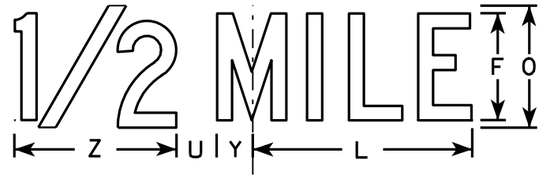
W20-58D



W20-58C



W20-58B



W20-58G



W20-58F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 & 2 Series B.
   Lines 3 & 4 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	36		1 5/8	5/8	3/4	5	1 7/8	2 1/4	5 7/8	11 7/8	12 1/8	10 3/4	9 1/2	4 7/8	6	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

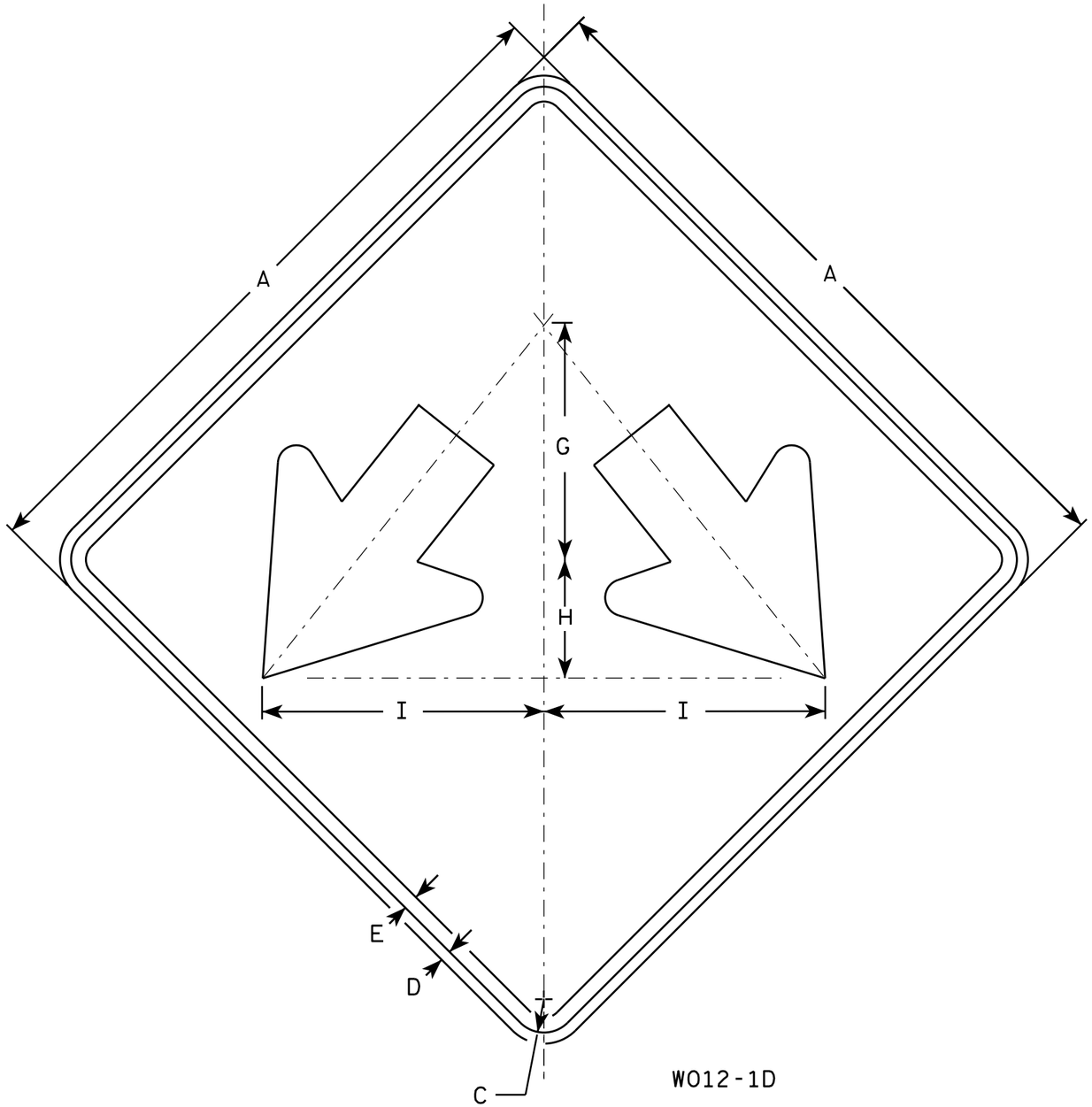
STANDARD SIGN
W20-58A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-58.4

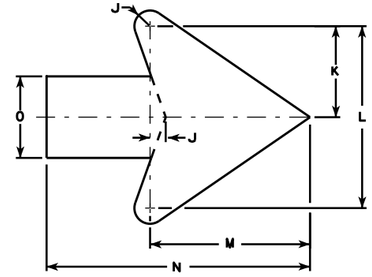
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 346	E



W012-1D

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.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
2S	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0
2M	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0
3	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0
4	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W012-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 347 W012-1D.1

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

PROJECT ID 4610-06-71
STH 42

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	Rock Excavation (In Cross Sections)	Cut	Fill	Rock Excavation	Cut	Fill	Rock Excavation	
600+00 AH	60000.00	0.00	53.03	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600+50	60050.00	50.00	54.07	1.70	0.00	99.17	1.92	0.00	99.17	1.92	0.00	97.25
600+60	60060.00	10.00	54.14	4.05	0.00	20.04	1.06	0.00	119.21	2.98	0.00	116.22
601+00	60100.00	40.00	57.15	4.01	0.00	82.44	5.97	0.00	201.64	8.95	0.00	192.69
601+50	60150.00	50.00	64.38	2.73	0.00	112.53	6.24	0.00	314.17	15.19	0.00	298.98
601+88	60187.63	37.63	72.08	0.22	0.00	95.08	2.06	0.00	409.25	17.25	0.00	392.00
602+00	60200.00	12.38	76.27	1.04	0.00	34.00	0.29	0.00	443.25	17.54	0.00	425.71
602+50	60250.00	50.00	101.57	0.06	0.00	164.67	1.02	0.00	607.91	18.56	0.00	589.36
602+53	60252.96	2.96	103.30	0.04	0.00	11.25	0.01	0.00	619.16	18.56	0.00	600.60
603+00	60300.00	47.04	108.12	0.26	0.00	184.15	0.26	0.00	803.31	18.82	0.00	784.49
603+00	60300.00	0.00	106.23	0.59	0.00	0.00	0.00	0.00	803.31	18.82	0.00	784.49
603+15	60314.96	14.96	83.29	1.45	0.00	52.52	0.57	0.00	855.83	19.39	0.00	836.44
603+50	60350.00	35.04	92.29	0.86	0.00	113.92	1.50	0.00	969.75	20.89	0.00	948.86
604+00	60400.00	50.00	74.94	8.58	0.00	154.84	8.74	0.00	1124.59	29.63	0.00	1094.97
604+50	60450.00	50.00	61.52	15.29	0.00	126.35	22.10	0.00	1250.94	51.73	0.00	1199.22
605+00	60500.00	50.00	44.83	15.83	0.00	98.47	28.81	0.00	1349.42	80.54	0.00	1268.87
605+25	60525.00	25.00	44.86	14.50	0.00	41.52	14.04	0.00	1390.94	94.59	0.00	1296.35
605+50	60550.00	25.00	46.73	2.04	0.00	42.40	7.66	0.00	1433.34	102.24	0.00	1331.10
606+00	60600.00	50.00	58.79	4.47	0.00	97.70	6.03	0.00	1531.05	108.27	0.00	1422.78
606+50	60650.00	50.00	77.14	2.36	0.00	125.86	6.32	0.00	1656.91	114.59	0.00	1542.31
607+00	60700.00	50.00	114.45	0.00	0.00	177.40	2.19	0.00	1834.31	116.78	0.00	1717.53
607+50	60750.00	50.00	130.16	15.88	20.10	226.49	14.70	18.61	2060.79	131.48	18.61	1910.70
607+90	60790.00	40.00	205.07	26.91	54.90	248.31	31.69	55.56	2309.11	163.17	74.17	2071.77
608+00	60800.00	10.00	196.02	27.05	68.90	74.28	9.99	22.93	2383.38	173.16	97.10	2113.12
608+49	60848.80	48.80	201.05	28.22	75.60	358.82	49.94	130.58	2742.20	223.11	227.68	2291.42
608+50	60850.00	1.20	196.91	27.89	80.00	8.85	1.25	3.46	2751.05	224.35	231.14	2295.56
609+00	60900.00	50.00	388.34	44.40	247.30	541.90	66.94	303.06	3292.95	291.29	534.20	2467.46
609+50	60950.00	50.00	225.78	24.70	159.70	568.63	63.98	376.85	3861.58	355.27	911.05	2595.26
609+59	60958.59	8.59	184.45	27.70	185.10	65.24	8.33	54.84	3926.82	363.60	965.89	2597.33
610+00	61000.00	41.41	170.09	28.32	152.80	271.89	42.95	259.13	4198.70	406.55	1225.02	2567.13
610+25	61025.00	25.00	171.89	51.94	278.40	158.32	37.16	199.63	4357.02	443.71	1424.65	2488.67
610+50	61050.00	25.00	226.09	29.31	132.70	184.25	37.61	190.32	4541.27	481.32	1614.97	2444.98
611+00	61100.00	50.00	255.94	36.04	205.40	446.32	60.50	313.06	4987.59	541.82	1928.03	2517.74
611+25	61125.00	25.00	180.31	42.21	338.40	201.97	36.22	251.76	5189.56	578.05	2179.79	2431.72
611+50	61150.00	25.00	158.77	35.07	148.30	156.98	35.78	225.32	5346.54	613.82	2405.11	2327.60
611+70	61170.00	20.00	119.39	49.06	169.10	103.02	31.16	117.56	5449.56	644.98	2522.67	2281.91
611+99	61198.63	28.63	144.12	44.12	53.50	139.70	49.40	118.01	5589.26	694.38	2640.68	2254.20
612+00	61200.00	1.37	143.62	39.80	46.50	7.31	2.13	2.54	5596.57	696.51	2643.22	2256.83
612+38	61237.62	37.62	205.62	1.03	0.00	243.31	28.44	32.40	5839.87	724.95	2675.62	2439.30
612+50	61250.00	12.38	212.24	0.00	0.00	95.79	0.24	0.00	5935.66	725.19	2675.62	2534.85

PROJECT ID 4610-06-71
STH 42 Continued

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	Rock Excavation (In Cross Sections)	Cut	Fill	Rock Excavation	Cut	Fill	Rock Excavation	
613+00	61300.00	50.00	88.86	59.27	0.00	278.80	54.88	0.00	6214.46	780.07	2675.62	2758.77
613+12	61311.70	11.70	84.84	6.02	0.00	37.64	14.15	0.00	6252.10	794.22	2675.62	2782.26
613+28	61327.93	16.22	87.15	0.27	0.00	51.67	1.89	0.00	6303.77	796.11	2675.62	2832.04
613+50	61350.00	22.07	83.64	0.09	0.00	69.82	0.15	0.00	6373.59	796.26	2675.62	2901.71
614+00	61400.00	50.00	88.53	0.09	0.00	159.42	0.17	0.00	6533.01	796.42	2675.62	3060.96
614+50	61450.00	50.00	76.33	0.00	0.00	152.65	0.08	0.00	6685.65	796.51	2675.62	3213.53
614+70	61470.00	20.00	74.95	0.26	0.00	56.03	0.10	0.00	6741.68	796.60	2675.62	3269.46
615+00	61500.00	30.00	62.74	0.23	0.00	76.49	0.27	0.00	6818.18	796.87	2675.62	3345.68
615+50	61550.00	50.00	52.50	0.00	0.00	106.70	0.21	0.00	6924.88	797.09	2675.62	3452.17
616+00	61600.00	50.00	56.29	1.32	0.00	100.73	1.22	0.00	7025.61	798.31	2675.62	3551.68
616+25	61625.35	25.35	60.63	0.00	0.00	54.88	0.62	0.00	7080.49	798.93	2675.62	3605.94
616+48	61648.17	22.82	95.01	0.00	0.00	65.78	0.00	0.00	7146.27	798.93	2675.62	3671.72
616+50	61650.00	1.83	95.43	0.01	0.00	6.46	0.00	0.00	7152.73	798.93	2675.62	3678.18
617+00	61700.00	50.00	88.80	0.00	0.00	170.58	0.01	0.00	7323.31	798.94	2675.62	3848.76
617+03	61703.07	3.07	86.36	0.00	0.00	9.95	0.00	0.00	7333.27	798.94	2675.62	3858.71
617+39	61739.44	36.37	70.99	0.00	0.00	105.98	0.00	0.00	7439.25	798.94	2675.62	3964.69
617+50	61750.00	10.56	77.90	0.00	0.00	29.12	0.00	0.00	7468.37	798.94	2675.62	3993.81
617+90	61790.00	40.00	70.32	0.00	0.00	109.79	0.00	0.00	7578.16	798.94	2675.62	4103.60
618+00	61800.00	10.00	68.49	0.00	0.00	25.71	0.00	0.00	7603.86	798.94	2675.62	4129.31
618+25	61825.00	25.00	69.00	0.00	0.00	63.65	0.00	0.00	7667.52	798.94	2675.62	4192.96
618+50	61850.00	25.00	69.60	0.04	0.00	64.17	0.02	0.00	7731.68	798.96	2675.62	4257.11
619+00	61900.00	50.00	67.49	0.00	0.00	126.94	0.04	0.00	7858.62	798.99	2675.62	4384.00
619+30	61930.00	30.00	65.46	0.11	0.00	73.86	0.06	0.00	7932.48	799.06	2675.62	4457.80
619+50	61950.00	20.00	67.48	0.42	0.00	49.24	0.20	0.00	7981.72	799.25	2675.62	4506.85
620+00	62000.00	50.00	68.58	0.00	0.00	125.98	0.39	0.00	8107.70	799.64	2675.62	4632.44
620+50	62050.00	50.00	60.52	2.92	0.00	119.54	2.70	0.00	8227.24	802.34	2675.62	4749.27
620+90	62090.00	40.00	76.27	0.00	0.00	101.33	2.16	0.00	8328.56	804.51	2675.62	4848.43
621+00	62100.00	10.00	73.80	0.00	0.00	27.79	0.00	0.00	8356.35	804.51	2675.62	4876.23
621+50	62150.00	50.00	88.91	0.00	0.00	150.66	0.00	0.00	8507.01	804.51	2675.62	5026.88
622+00	62200.00	50.00	82.23	0.00	0.00	158.46	0.00	0.00	8665.47	804.51	2675.62	5185.35
622+10	62209.97	9.97	77.89	0.00	0.00	29.55	0.00	0.00	8695.02	804.51	2675.62	5214.90
622+36	62236.44	26.47	87.99	0.00	0.00	81.32	0.00	0.00	8776.35	804.51	2675.62	5296.22
622+50	62250.00	13.56	90.30	0.00	0.00	44.77	0.00	0.00	8821.12	804.51	2675.62	5340.99
622+83	62282.97	32.97	72.71	0.00	0.00	99.52	0.00	0.00	8920.64	804.51	2675.62	5440.51
623+00	62300.00	17.03	66.79	0.00	0.00	44.00	0.00	0.00	8964.64	804.51	2675.62	5484.51
623+09	62309.45	9.45	62.52	0.00	0.00	22.62	0.00	0.00	8987.26	804.51	2675.62	5507.13
623+50	62350.00	40.55	63.82	0.01	0.00	94.88	0.01	0.00	9082.14	804.51	2675.62	5602.00
624+00	62400.00	50.00	65.10	0.06	0.00	119.37	0.06	0.00	9201.51	804.58	2675.62	5721.31
624+20	62420.00	20.00	64.11	0.17	0.00	47.86	0.09	0.00	9249.37	804.66	2675.62	5769.08

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STH 42 Continued

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	Rock Excavation (In Cross Sections)	Cut	Fill	Rock Excavation	Cut	Fill	Rock Excavation	
624+50	62450.00	30.00	64.95	0.00	0.00	71.70	0.09	0.00	9321.07	804.76	2675.62	5840.69
624+60	62460.00	10.00	69.75	0.04	0.00	24.94	0.01	0.00	9346.01	804.77	2675.62	5865.62
625+00	62500.00	40.00	68.86	0.00	0.00	102.67	0.03	0.00	9448.68	804.80	2675.62	5968.27
625+15	62515.00	15.00	88.01	0.00	0.00	43.58	0.00	0.00	9492.26	804.80	2675.62	6011.84
625+50	62550.00	35.00	74.78	0.00	0.00	105.51	0.00	0.00	9597.77	804.80	2675.62	6117.35
625+75	62575.00	25.00	76.35	0.00	0.00	69.97	0.00	0.00	9667.74	804.80	2675.62	6187.32
626+00	62600.00	25.00	106.90	0.00	0.00	84.84	0.00	0.00	9752.58	804.80	2675.62	6272.16
626+50	62650.00	50.00	75.64	0.00	0.00	169.02	0.00	0.00	9921.59	804.80	2675.62	6441.18
626+65	62665.00	15.00	82.04	0.00	0.00	43.80	0.00	0.00	9965.39	804.80	2675.62	6484.98
627+00	62700.00	35.00	80.08	0.00	0.00	105.08	0.00	0.00	10070.47	804.80	2675.62	6590.06
627+45	62745.00	45.00	83.34	0.00	0.00	136.18	0.00	0.00	10206.66	804.80	2675.62	6726.24
627+50	62750.00	5.00	84.02	0.00	0.00	15.50	0.00	0.00	10222.15	804.80	2675.62	6741.74
628+00	62800.00	50.00	99.95	0.05	0.00	170.34	0.05	0.00	10392.49	804.84	2675.62	6912.03
628+10	62810.00	10.00	95.52	0.40	0.00	36.20	0.08	0.00	10428.69	804.93	2675.62	6948.15
628+50	62850.00	40.00	95.34	0.00	0.00	141.38	0.30	0.00	10570.07	805.22	2675.62	7089.23
628+80	62880.00	30.00	92.42	0.00	0.00	104.31	0.00	0.00	10674.38	805.22	2675.62	7193.54
629+00	62900.00	20.00	89.32	0.00	0.00	67.31	0.00	0.00	10741.69	805.22	2675.62	7260.85
629+40	62940.00	40.00	98.59	0.00	0.00	139.19	0.00	0.00	10880.89	805.22	2675.62	7400.04
629+50	62950.00	10.00	98.75	0.00	0.00	36.54	0.00	0.00	10917.43	805.22	2675.62	7436.59
630+00	63000.00	50.00	94.89	0.00	0.00	179.30	0.00	0.00	11096.73	805.22	2675.62	7615.88
630+50	63050.00	50.00	96.60	0.00	0.00	177.31	0.00	0.00	11274.03	805.22	2675.62	7793.19
631+00	63100.00	50.00	78.65	0.00	0.00	162.27	0.00	0.00	11436.30	805.22	2675.62	7955.46
631+50	63150.00	50.00	69.22	0.00	0.00	136.92	0.00	0.00	11573.22	805.22	2675.62	8092.37
632+00	63200.00	50.00	62.72	0.19	0.00	122.17	0.18	0.00	11695.38	805.40	2675.62	8214.37
632+30	63230.00	30.00	70.32	0.00	0.00	73.91	0.11	0.00	11769.29	805.50	2675.62	8288.17
632+50	63250.00	20.00	64.54	0.00	0.00	49.95	0.00	0.00	11819.24	805.50	2675.62	8338.12
632+65	63265.00	15.00	70.58	0.00	0.00	37.53	0.00	0.00	11856.78	805.50	2675.62	8375.65
633+00	63300.00	35.00	71.30	0.00	0.00	91.96	0.00	0.00	11948.74	805.50	2675.62	8467.61
633+05	63305.00	5.00	70.30	0.00	0.00	13.11	0.00	0.00	11961.85	805.50	2675.62	8480.72
633+50	63350.00	45.00	58.35	0.04	0.00	107.21	0.03	0.00	12069.06	805.54	2675.62	8587.90
633+85	63385.00	35.00	59.53	0.00	0.00	76.40	0.03	0.00	12145.46	805.56	2675.62	8664.28
634+00	63400.00	15.00	54.10	0.00	0.00	31.56	0.00	0.00	12177.02	805.56	2675.62	8695.84
634+50	63450.00	50.00	57.67	0.00	0.00	103.49	0.00	0.00	12280.51	805.56	2675.62	8799.33
635+00	63500.00	50.00	64.33	0.00	0.00	112.96	0.00	0.00	12393.48	805.56	2675.62	8912.29
635+05	63505.00	5.00	69.54	0.27	0.00	12.40	0.03	0.00	12405.87	805.59	2675.62	8924.66
635+50	63550.00	45.00	75.64	0.00	0.00	120.98	0.23	0.00	12526.86	805.81	2675.62	9045.42
636+00	63600.00	50.00	67.61	0.46	0.00	132.64	0.43	0.00	12659.49	806.24	2675.62	9177.64
636+11	63611.16	11.16	59.54	0.35	0.00	26.28	0.17	0.00	12685.77	806.41	2675.62	9203.75
636+50	63650.00	38.84	106.15	0.00	0.00	119.17	0.25	0.00	12804.95	806.66	2675.62	9322.67

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STH 42 Continued

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	Rock Excavation (In Cross Sections)	Cut	Fill	Rock Excavation	Cut	Fill	Rock Excavation	
636+80	63680.01	30.01	91.78	0.00	0.00	110.00	0.00	0.00	12914.94	806.66	2675.62	9432.67
637+00	63700.00	19.99	93.64	0.00	0.00	68.64	0.00	0.00	12983.58	806.66	2675.62	9501.31
637+50	63750.00	50.00	83.06	0.00	0.00	163.61	0.00	0.00	13147.19	806.66	2675.62	9664.92
638+00	63800.00	50.00	87.41	0.00	0.00	157.84	0.00	0.00	13305.04	806.66	2675.62	9822.76
638+05	63805.00	5.00	90.68	0.00	0.00	16.49	0.00	0.00	13321.53	806.66	2675.62	9839.25
638+50	63850.00	45.00	89.65	0.00	0.00	150.28	0.00	0.00	13471.80	806.66	2675.62	9989.52
638+85	63885.00	35.00	86.05	0.03	0.00	113.88	0.02	0.00	13585.68	806.68	2675.62	10103.38
639+00	63900.00	15.00	84.12	0.00	0.00	47.27	0.01	0.00	13632.95	806.69	2675.62	10150.64
639+35	63935.00	35.00	79.65	0.00	0.00	106.15	0.00	0.00	13739.10	806.69	2675.62	10256.79
639+50	63950.00	15.00	62.58	0.05	0.00	39.51	0.01	0.00	13778.61	806.70	2675.62	10296.29
639+97	63996.93	46.93	61.37	0.00	0.00	107.72	0.04	0.00	13886.33	806.74	2675.62	10403.96
640+00	64000.00	3.07	71.46	0.00	0.00	7.55	0.00	0.00	13893.88	806.74	2675.62	10411.52
640+50	64050.00	50.00	67.96	0.00	0.00	129.09	0.00	0.00	14022.97	806.74	2675.62	10540.61
640+57	64056.86	6.86	66.52	0.00	0.00	17.08	0.00	0.00	14040.06	806.74	2675.62	10557.69
640+86 BK	64085.54	28.68	49.76	0.00	0.00	61.76	0.00	0.00	14101.81	806.74	2675.62	10619.45
					Column totals	14101.81	806.74	2675.61				

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STH 57

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	Rock Excavation (In Cross Sections)	Cut	Fill	Rock Excavation	Cut	Fill	Rock Excavation	
50+60 AH	5059.61	0.00	33.95	30.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50+86	5086.43	26.82	178.59	8.27	0.00	105.57	19.13	0.00	105.57	19.13	0.00	86.43
51+00	5100.00	13.57	149.39	1.28	0.00	82.42	2.40	0.00	187.99	21.53	0.00	166.45
51+50	5150.00	50.00	105.26	0.00	0.00	235.79	1.19	0.00	423.77	22.72	0.00	401.06
52+00	5200.00	50.00	76.73	1.16	0.00	168.51	1.07	0.00	592.28	23.79	0.00	568.49
52+08	5207.66	7.66	74.00	1.22	0.00	21.38	0.34	0.00	613.66	24.13	0.00	589.53
52+50	5250.00	42.34	106.52	5.37	0.00	141.55	5.17	0.00	755.21	29.30	0.00	725.91
53+00	5300.00	50.00	64.14	5.70	0.00	158.02	10.25	0.00	913.22	39.55	0.00	873.68
53+26	5325.85	25.85	35.16	3.16	0.00	47.53	4.24	0.00	960.75	43.79	0.00	916.96
53+50	5350.00	24.15	32.56	1.95	0.00	30.29	2.29	0.00	991.04	46.07	0.00	944.97
54+00	5400.00	50.00	40.31	1.32	0.00	67.47	3.03	0.00	1058.51	49.10	0.00	1009.41
54+50	5450.00	50.00	59.46	0.00	0.00	92.38	1.22	0.00	1150.89	50.32	0.00	1100.57
55+00	5500.00	50.00	71.63	0.00	0.00	121.38	0.00	0.00	1272.27	50.32	0.00	1221.95
55+25	5525.00	25.00	85.66	0.00	0.00	72.82	0.00	0.00	1345.09	50.32	0.00	1294.77
55+50	5550.00	25.00	85.59	1.72	0.00	79.28	0.80	0.00	1424.38	51.12	0.00	1373.26
56+00	5600.00	50.00	75.22	0.23	0.00	148.90	1.81	0.00	1573.27	52.92	0.00	1520.35
56+50	5650.00	50.00	58.06	18.27	0.00	123.41	17.13	0.00	1696.68	70.05	0.00	1626.63
57+00	5700.00	50.00	49.39	35.48	0.00	99.49	49.77	0.00	1796.17	119.82	0.00	1676.35
57+32 BK	5731.57	31.57	81.25	5.27	0.00	76.37	23.82	0.00	1872.54	143.64	0.00	1728.90
					Column totals	1872.54	143.64	0.00				

PROJECT ID 4610-06-71
Country Walk Drive

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	Rock Excavation (In Cross Sections)	Cut	Fill	Rock Excavation	Cut	Fill	Rock Excavation	
10+40 AH	1040.00	0.00	88.66	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+50	1050.00	10.00	68.60	0.02	0.00	29.12	0.05	0.00	29.12	0.05	0.00	29.06
10+73 BK	1072.57	22.57	55.58	0.00	0.00	51.90	0.01	0.00	81.02	0.06	0.00	80.96
					Column totals	81.02	0.06	0.00				

PROJECT ID 4610-06-71
Sister Bluff Drive

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
20+21	AH	2020.84	0.00	32.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20+33	BK	2032.83	11.99	37.63	0.27	0.00	15.50	0.06	0.00	15.50	0.06	0.00	15.44
						Column totals	15.50	0.06	0.00				

PROJECT ID 4610-06-71
Gateway Drive

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
30+61	AH	3060.58	0.00	57.11	41.10	429.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30+75		3075.00	14.42	70.82	39.97	406.70	34.15	21.64	223.17	34.15	21.64	223.17	-210.66
31+00		3100.00	25.00	254.99	19.51	54.50	150.83	27.53	213.52	184.99	49.18	436.69	-300.88
31+50		3150.00	50.00	125.29	0.00	0.00	352.11	18.06	50.46	537.09	67.24	487.15	-17.29
31+75		3175.00	25.00	86.36	0.00	0.00	97.99	0.00	0.00	635.08	67.24	487.15	80.69
32+00		3200.00	25.00	115.39	0.00	0.00	93.40	0.00	0.00	728.48	67.24	487.15	174.10
32+25		3225.00	25.00	99.46	0.20	0.00	99.47	0.09	0.00	827.95	67.33	487.15	273.47
32+50		3250.00	25.00	92.90	0.00	0.00	89.06	0.09	0.00	917.01	67.42	487.15	362.43
33+00		3300.00	50.00	24.53	8.84	0.00	108.73	8.19	0.00	1025.74	75.61	487.15	462.98
33+20		3320.00	20.00	25.48	10.57	0.00	18.52	7.19	0.00	1044.26	82.79	487.15	474.31
33+50		3350.00	30.00	60.42	4.83	0.00	47.72	8.56	0.00	1091.98	91.35	487.15	513.48
33+60	BK	3360.50	10.49	56.23	2.62	0.00	22.67	1.45	0.00	1114.65	92.80	487.15	534.70
						Column totals	1114.65	92.80	487.15				

PROJECT ID 4610-06-71
Bluffside Lane

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
40+91	AH	4091.49	0.00	58.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41+00		4100.00	8.51	52.73	0.51	0.00	17.46	0.09	0.00	17.46	0.09	0.00	17.38
41+25		4125.00	25.00	26.26	4.02	0.00	36.57	2.10	0.00	54.03	2.19	0.00	51.85
41+50		4150.00	25.00	7.62	20.09	0.00	15.69	11.16	0.00	69.72	13.35	0.00	56.37
41+67	BK	4166.93	16.93	6.22	13.23	0.00	4.34	10.45	0.00	74.06	23.80	0.00	50.26
						Column totals	74.06	23.80	0.00				

PROJECT ID 4610-06-71
Driveway For STH 42 Sta 611+44 LT

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
200+33	AH	20032.50	0.00	16.20	16.20	221.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200+50		20050.00	17.50	22.31	22.31	195.00	12.48	12.48	134.81	12.48	12.48	134.81	-134.81
200+58		20058.00	8.00	19.94	19.94	130.00	6.26	6.26	48.15	18.74	18.74	182.96	-182.96
200+81	BK	20081.37	23.37	15.98	15.98	40.00	15.55	15.55	73.57	34.28	34.28	256.53	-256.53
						Column totals	34.28	34.28	256.54				

PROJECT ID 4610-06-71
Maple Drive

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
60+63	AH	6062.93	0.00	73.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60+72	BK	6071.99	9.06	73.45	0.00	0.00	24.59	0.00	0.00	24.59	0.00	0.00	24.59
						Column totals	24.59	0.00	0.00				

PROJECT ID 4610-06-71
CTH ZZ

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
70+43	AH	7042.78	0.00	59.32	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70+50		7050.00	7.22	64.39	0.00	0.00	16.53	0.00	0.00	16.53	0.00	0.00	16.53
70+70		7070.00	20.00	65.34	0.00	0.00	48.05	0.00	0.00	64.58	0.00	0.00	64.58
70+88	BK	7087.74	17.74	66.76	0.00	0.00	43.39	0.00	0.00	107.97	0.00	0.00	107.96
						Column totals	107.97	0.00	0.00				

PROJECT ID 4610-06-71
Mill Road (West)

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
80+27	AH	8026.55	0.00	58.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80+31	BK	8031.42	4.86	62.88	0.00	0.00	10.90	0.00	0.00	10.90	0.00	0.00	10.90
						Column totals	10.90	0.00	0.00				

PROJECT ID 4610-06-71
Mill Road (East)

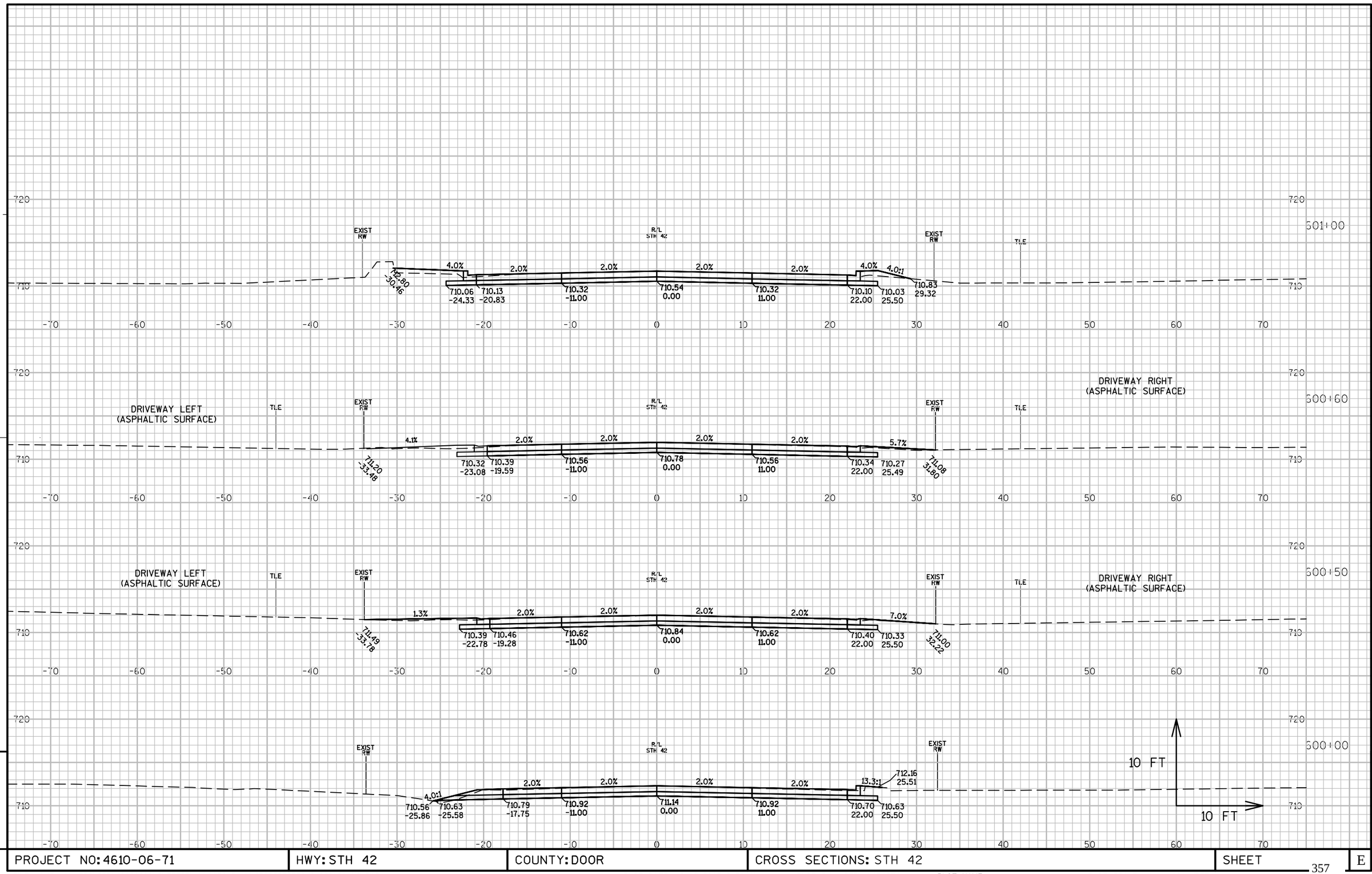
STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
90+42	AH	9042.28	0.00	69.32	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90+50		9050.00	7.72	66.20	0.02	0.00	19.37	0.04	0.00	19.37	0.04	0.00	19.33
90+56	BK	9056.47	6.47	62.53	0.00	0.00	15.42	0.00	0.00	34.80	0.04	0.00	34.75
						Column totals	34.80	0.04	0.00				

PROJECT ID 4610-06-71
Sunset Drive

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
100+50	AH	10050.00	0.00	65.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101+00		10100.00	50.00	51.86	0.00	0.00	108.61	0.00	0.00	108.61	0.00	0.00	108.61
101+50	BK	10150.00	50.00	38.66	0.00	0.00	83.81	0.00	0.00	192.43	0.00	0.00	192.43
						Column totals	192.43	0.00	0.00				

PROJECT ID 4610-06-71
Scandia Road

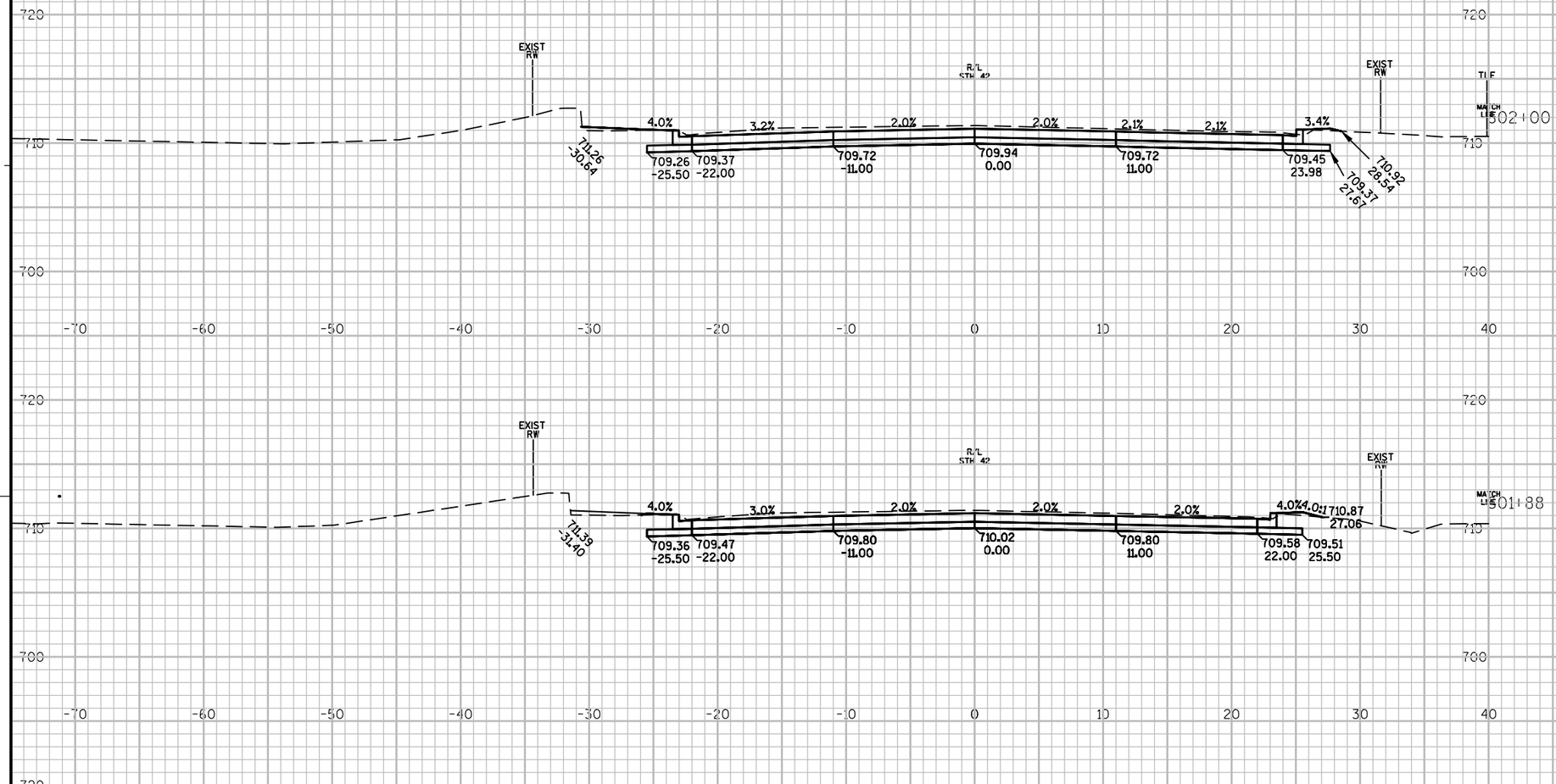
STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) Rock Excavation (In Cross Sections)	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) Rock Excavation	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) Rock Excavation	Mass Ordinate
110+42	AH	11041.78	0.00	59.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110+50		11050.00	8.22	62.71	0.00	0.00	18.65	0.00	0.00	18.65	0.00	0.00	18.65
110+60	BK	11060.39	10.39	59.44	0.00	0.00	23.50	0.00	0.00	42.15	0.00	0.00	42.15
						Column totals	42.15	0.00	0.00				

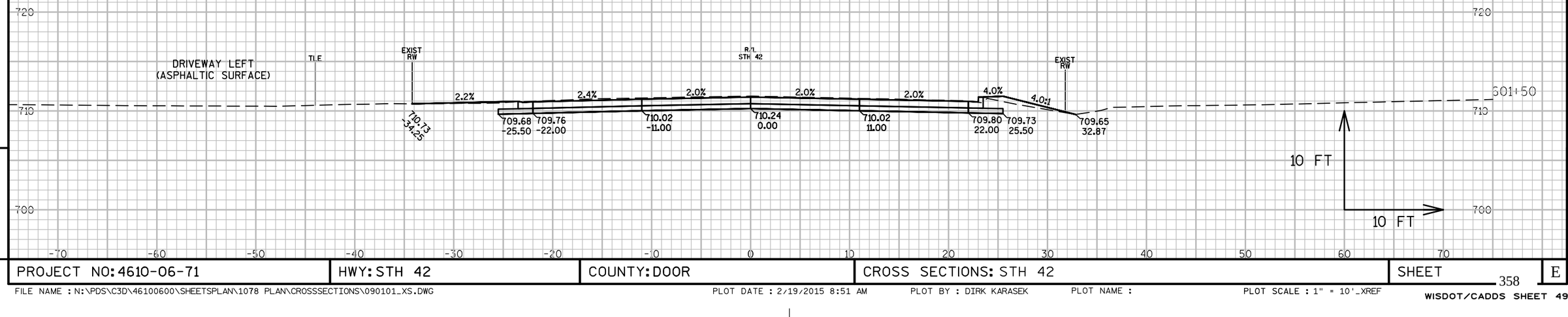


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 357	E

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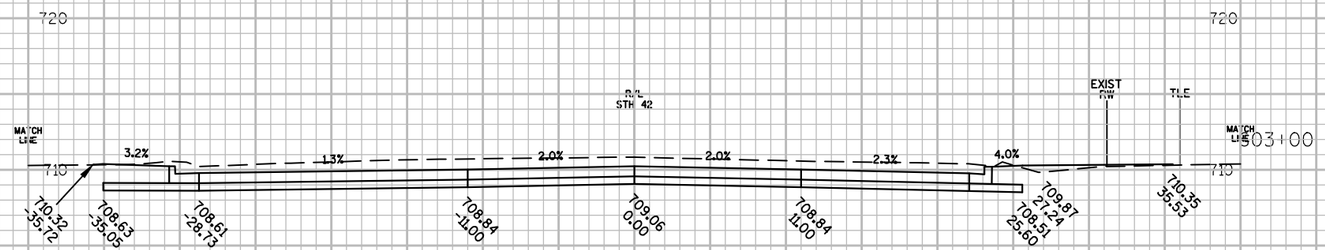
WISDOT/CADDS SHEET 49

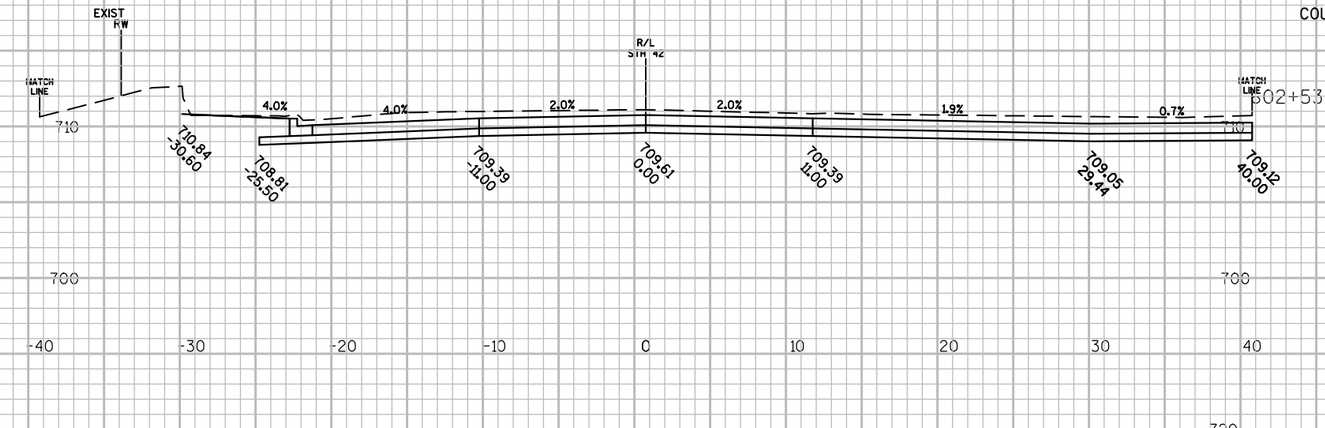




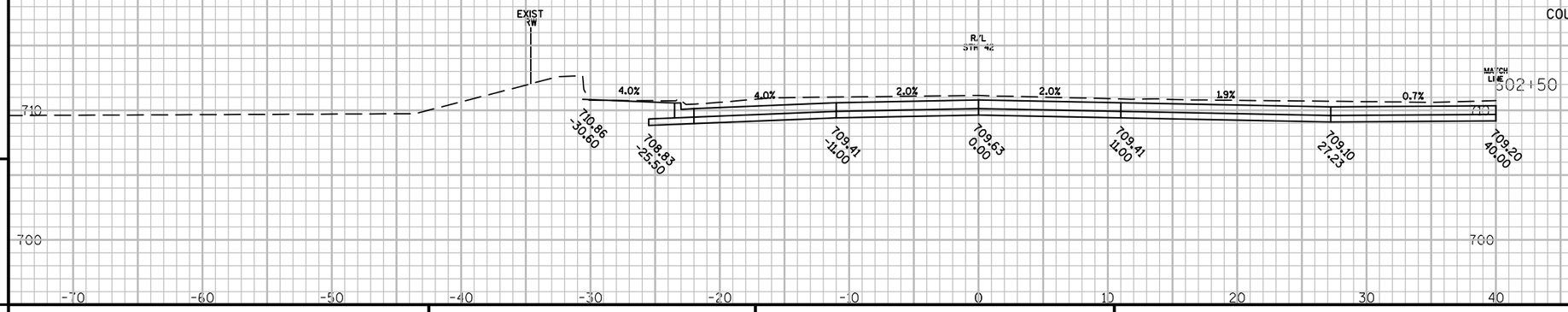
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WISDOT/CADDS SHEET 49

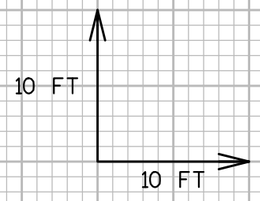




COUNTRY WALK DRIVE



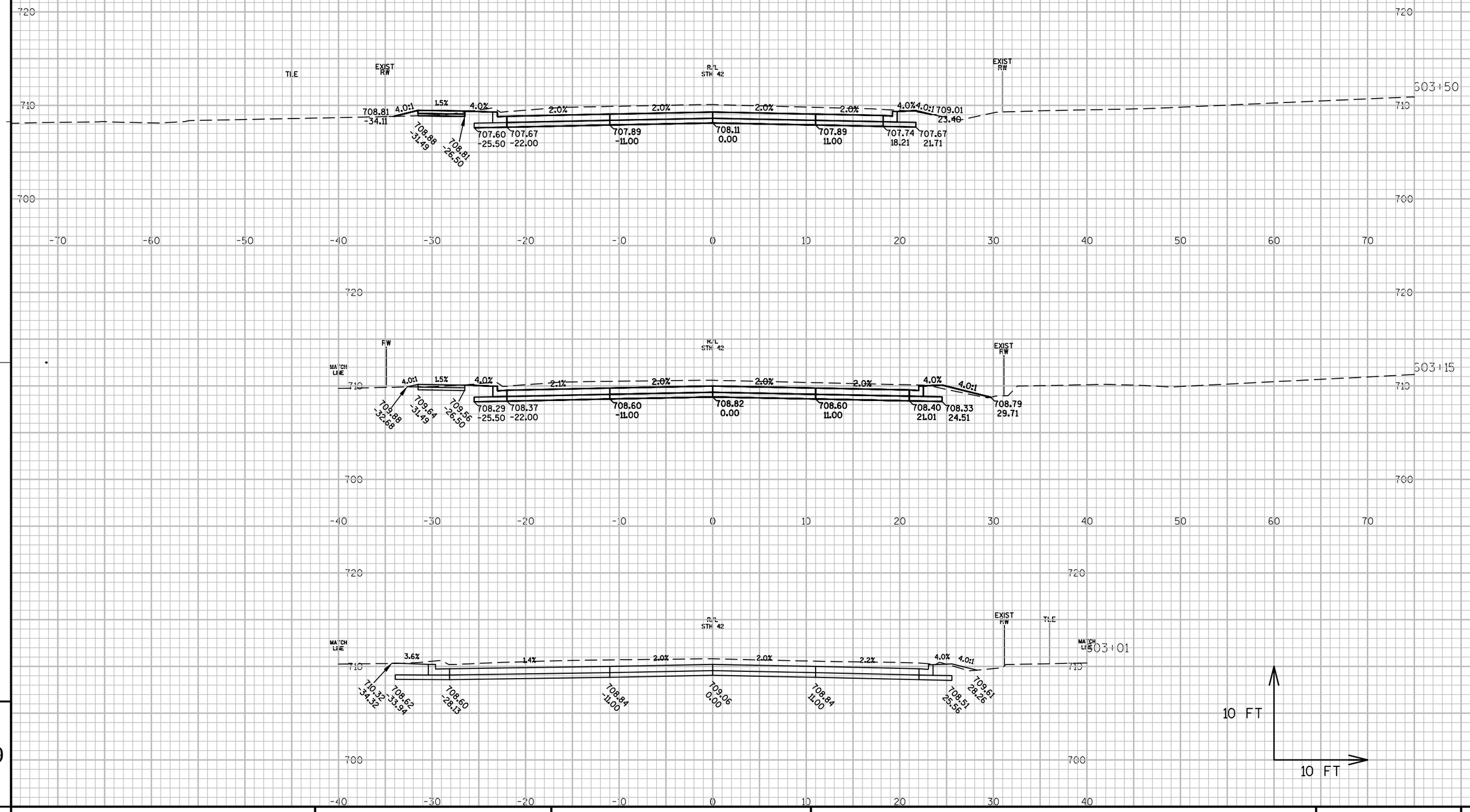
COUNTRY WALK DRIVE



9

9

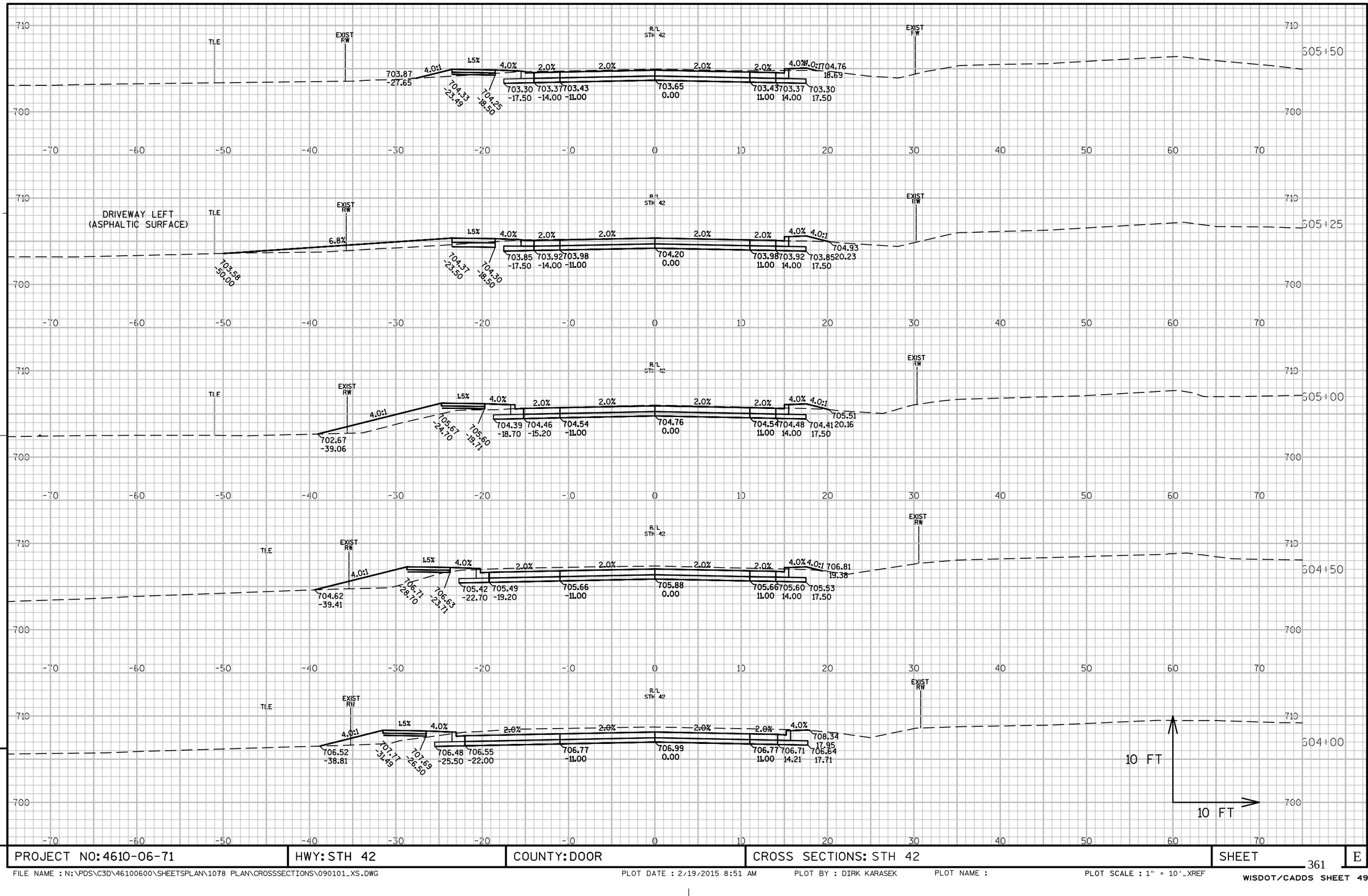
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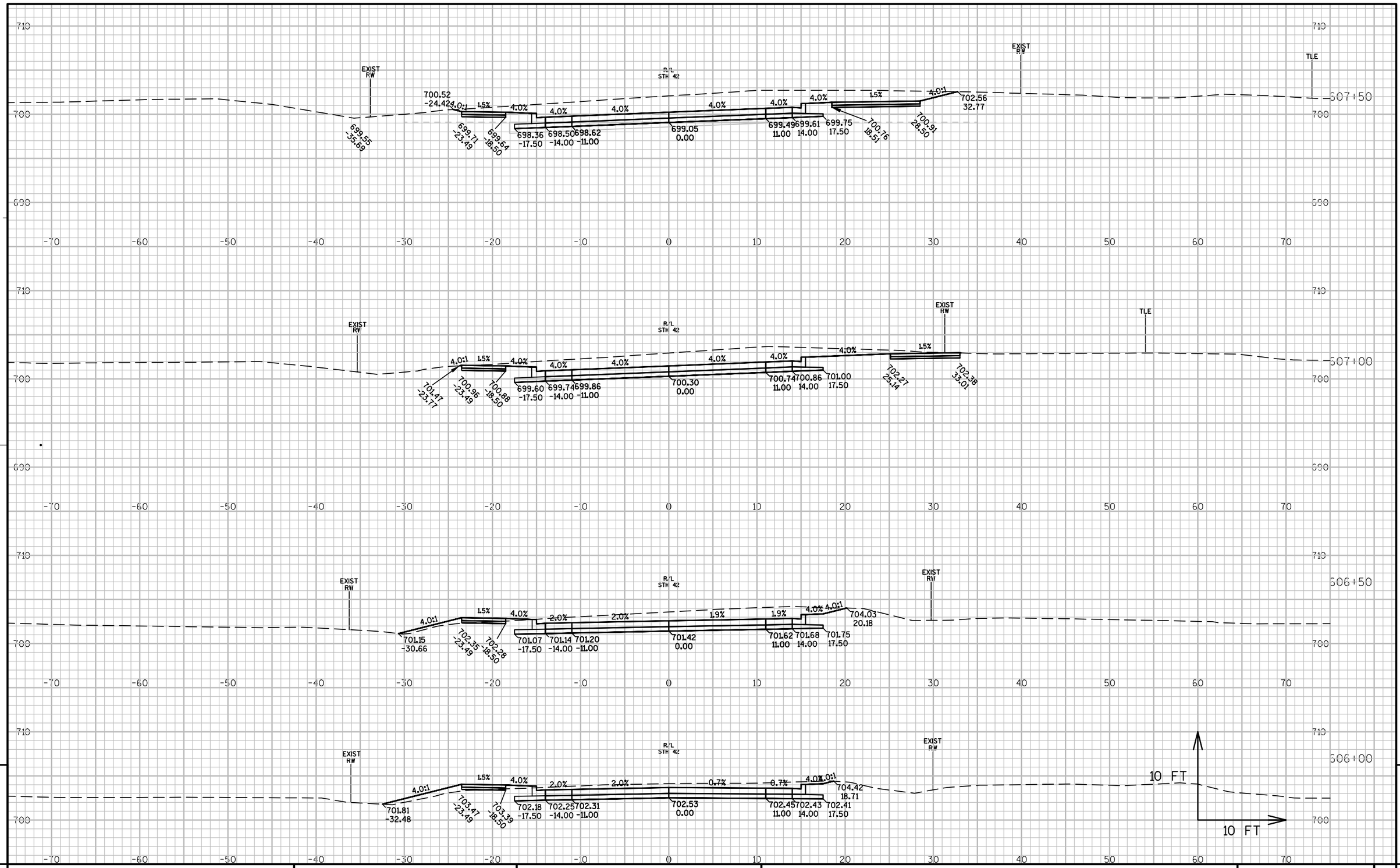
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WISDOT/CADDS SHEET 49



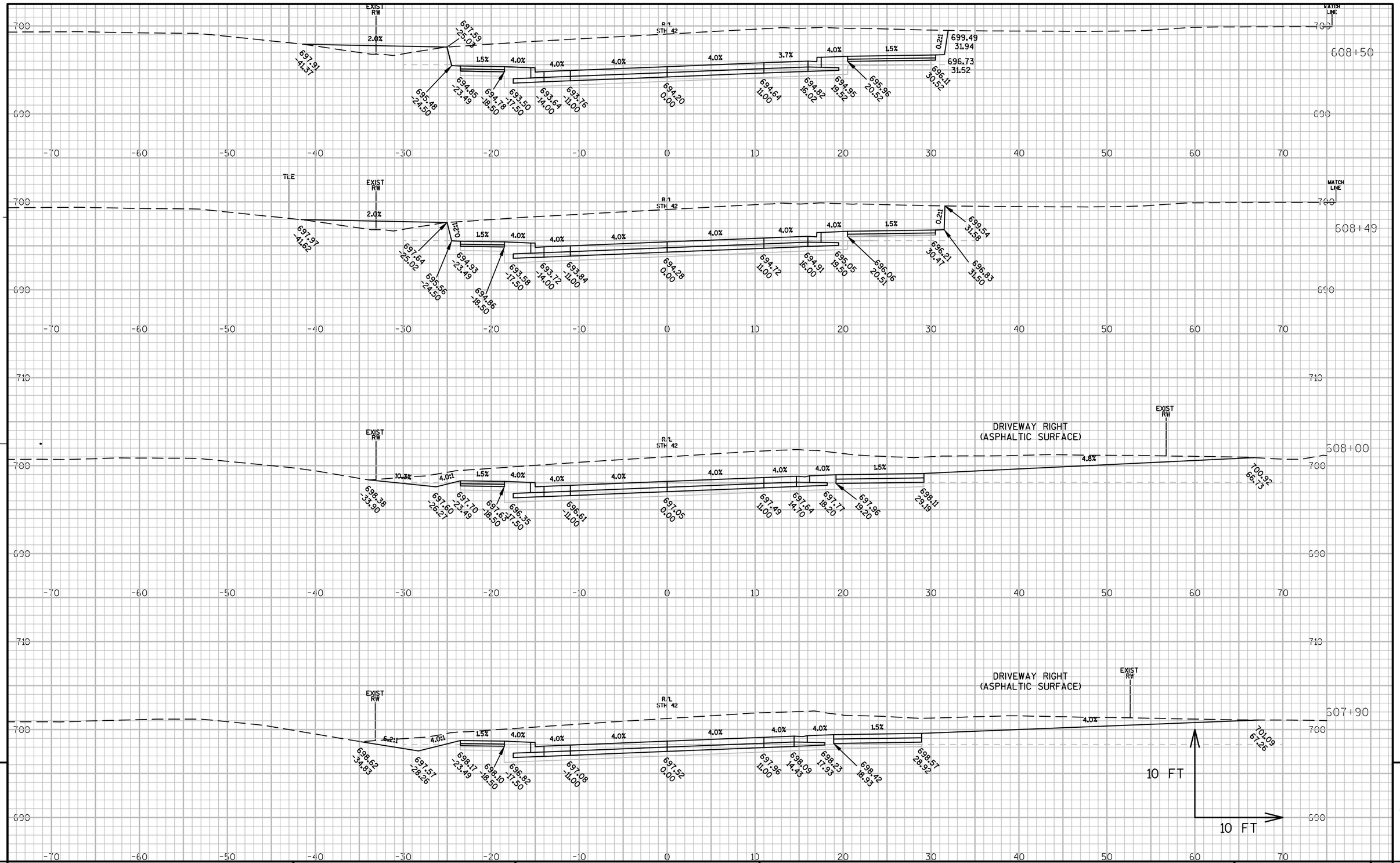
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9

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

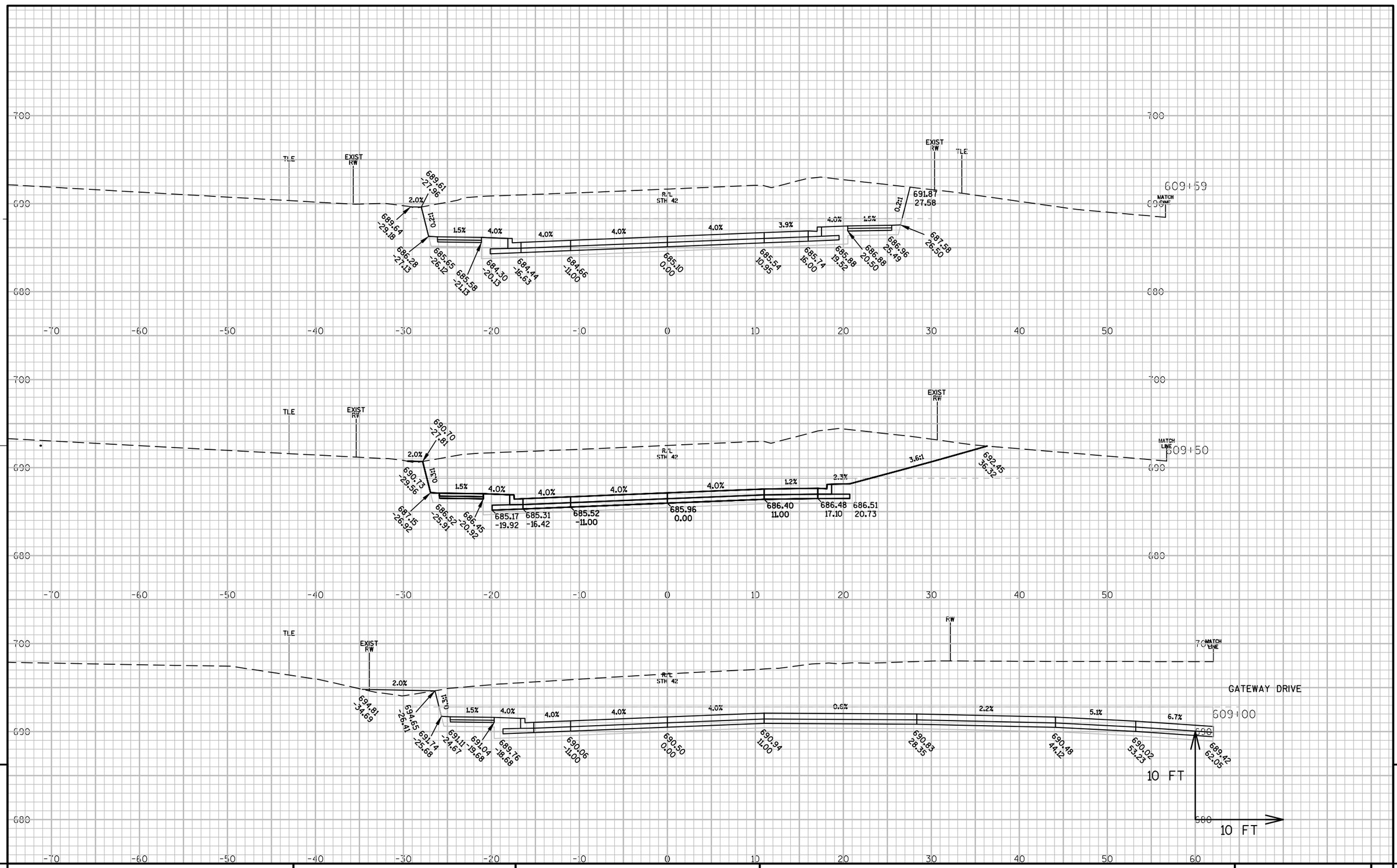
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 363	E

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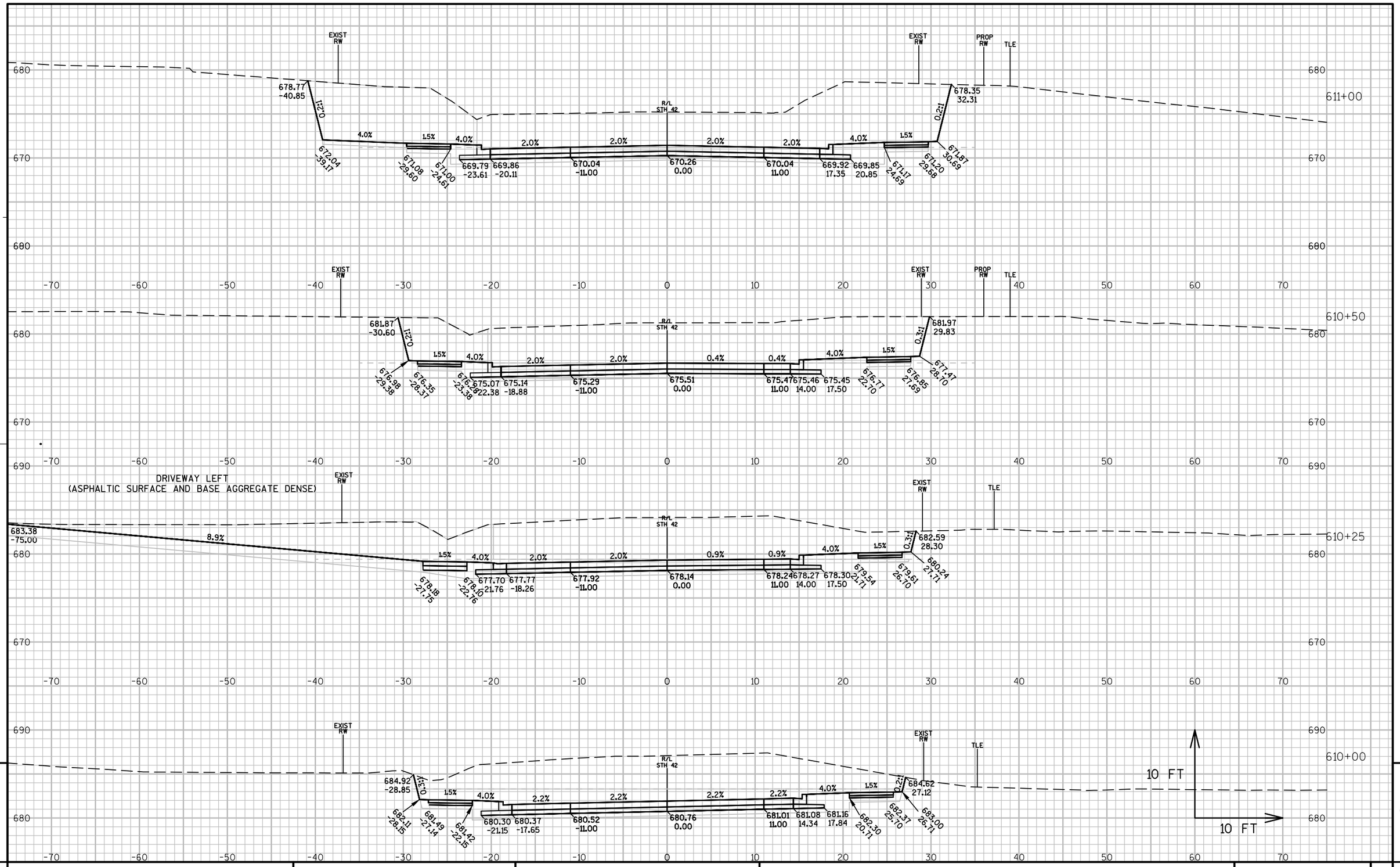
WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

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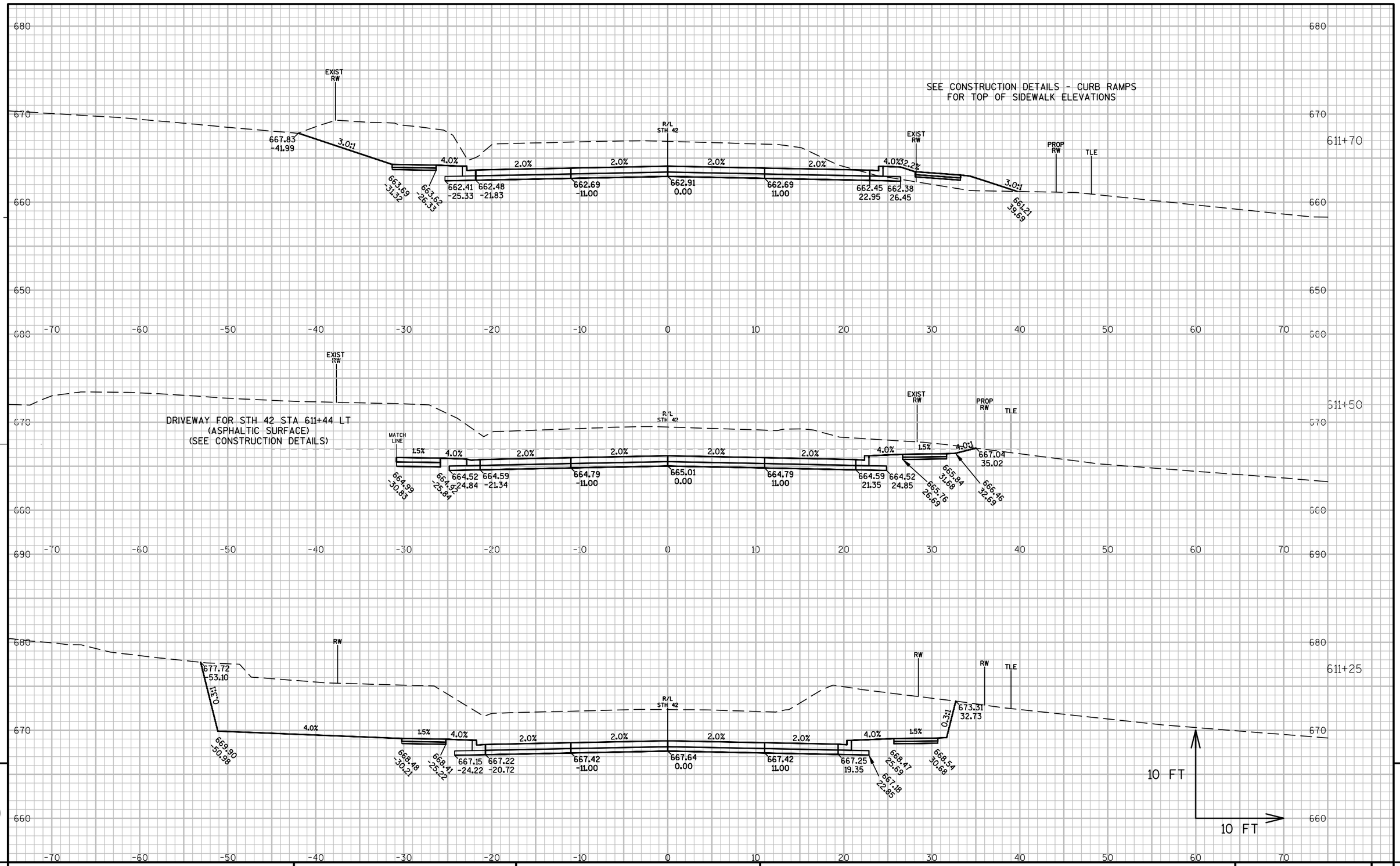
WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 365	E

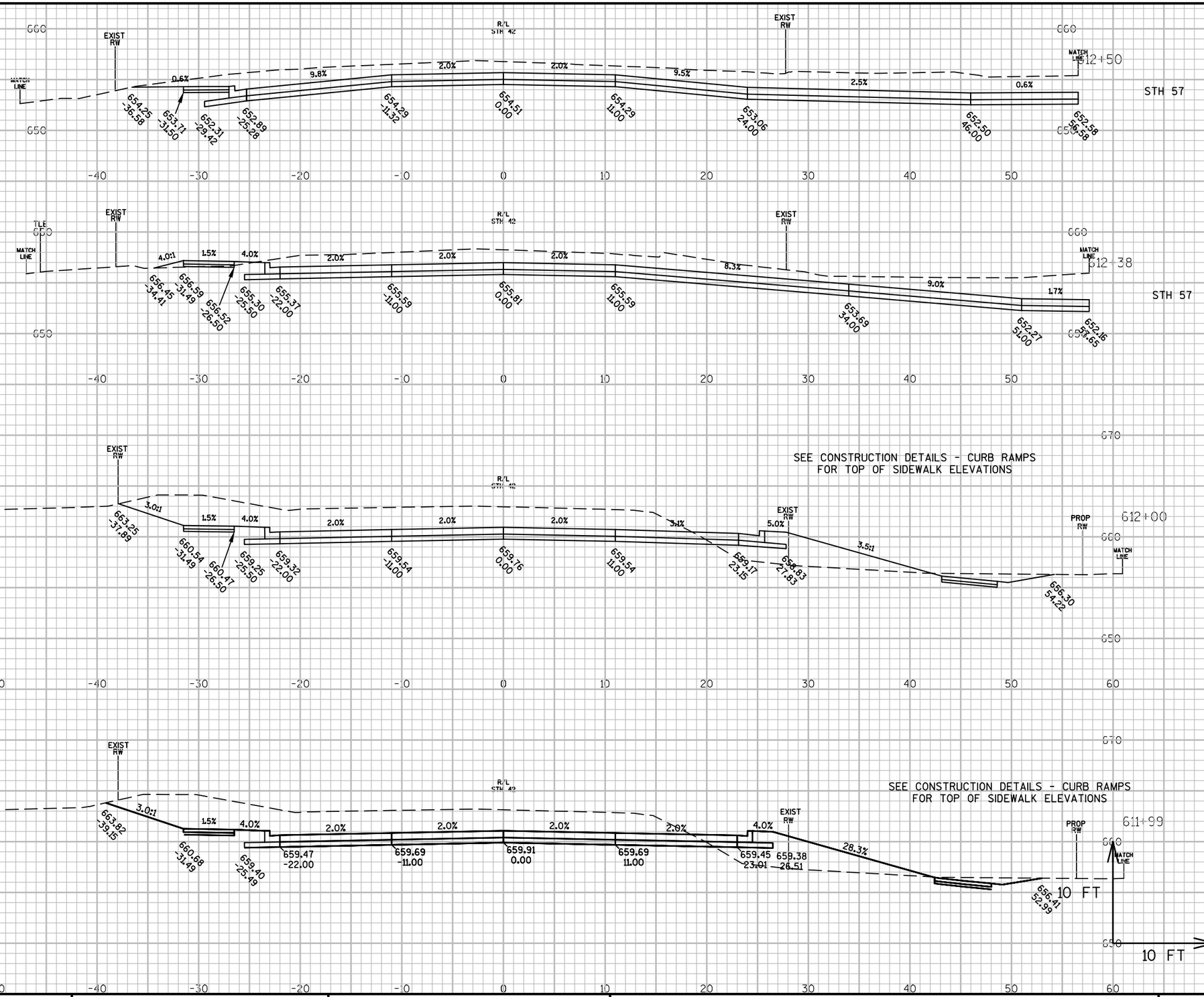
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WISDOT/CADDS SHEET 49



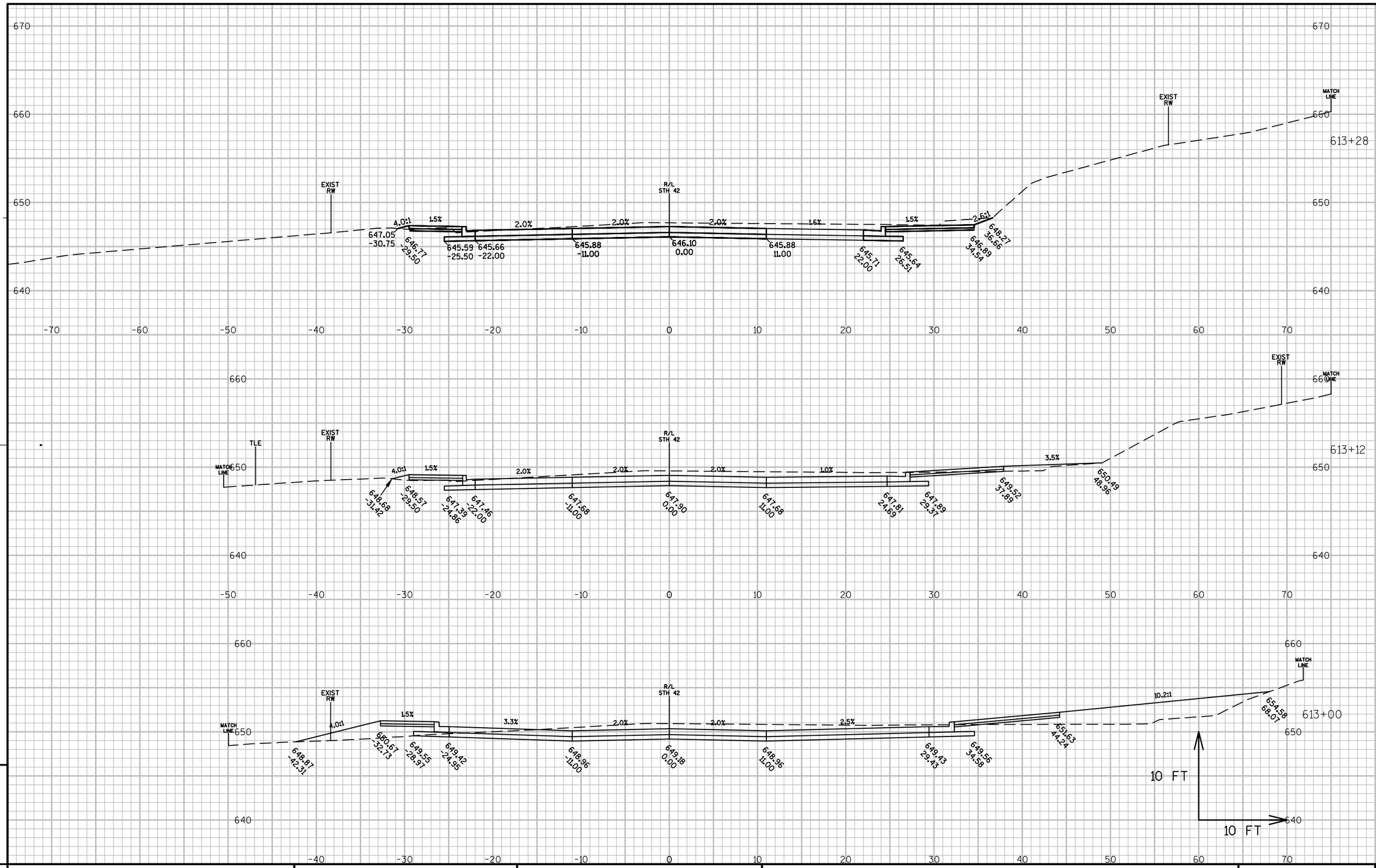
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WISDOT/CADDS SHEET 49



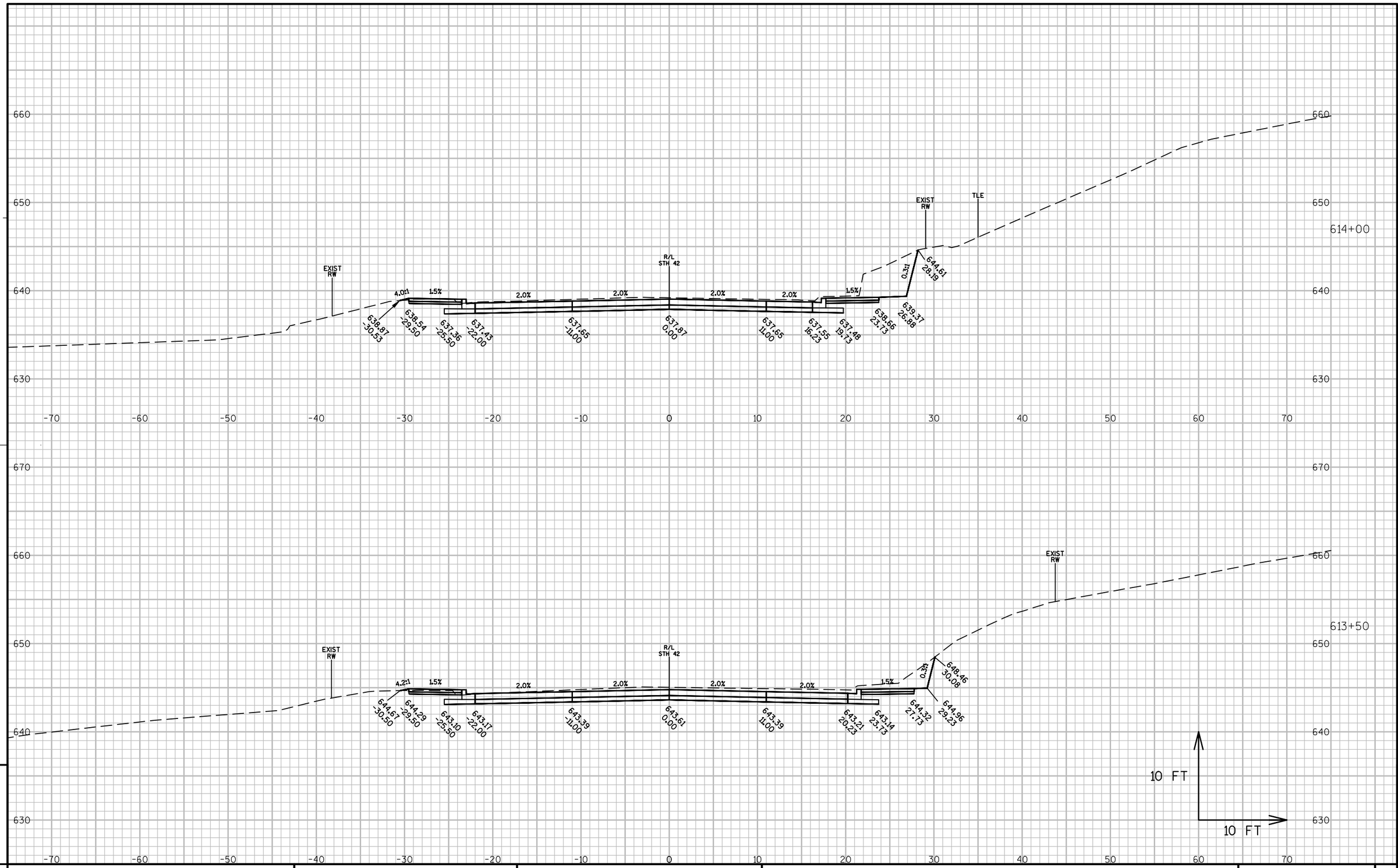
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FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 3/1/2015 10:37 AM PLOT BY : FARRELL, ALAN E PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/19/2015 8:53 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



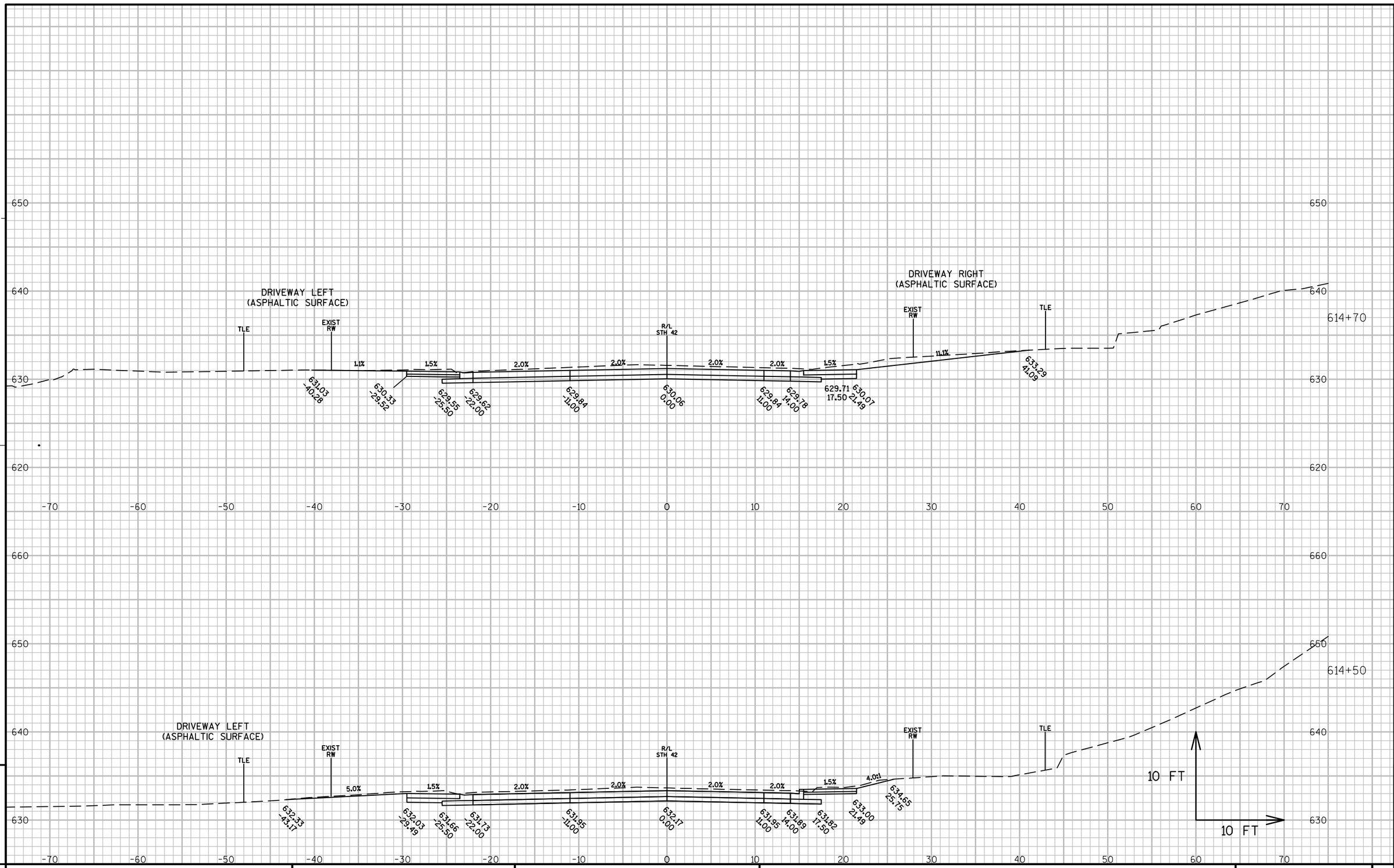
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

9

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 10:58 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



9

PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

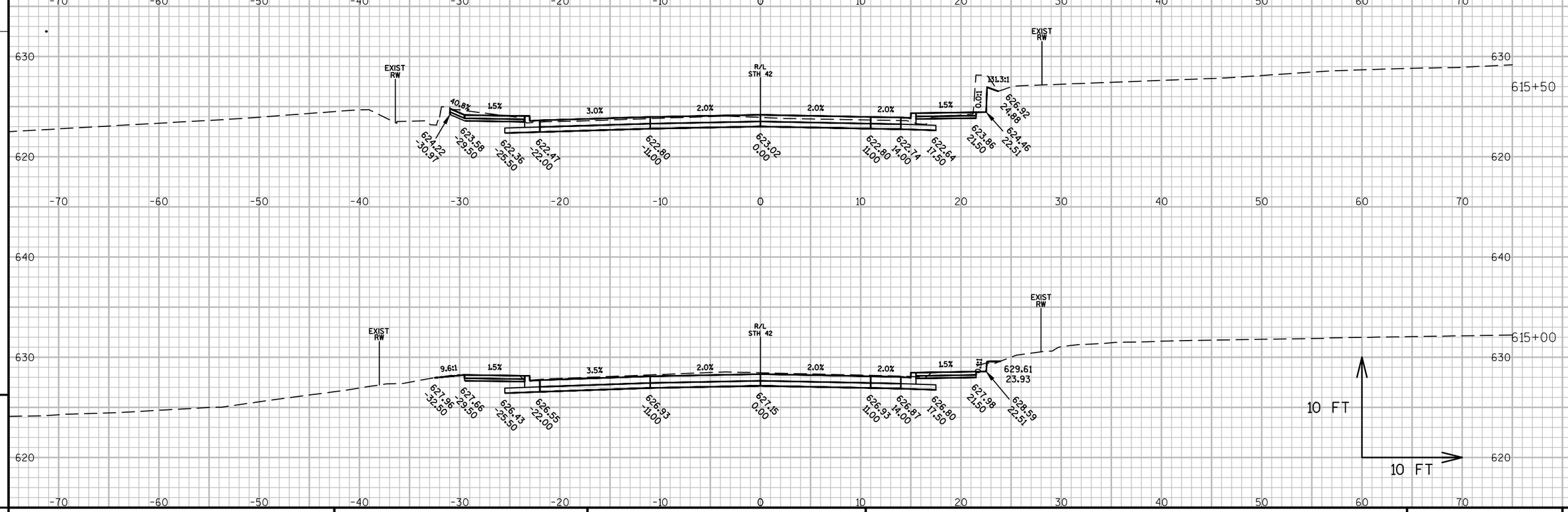
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FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 10:58 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

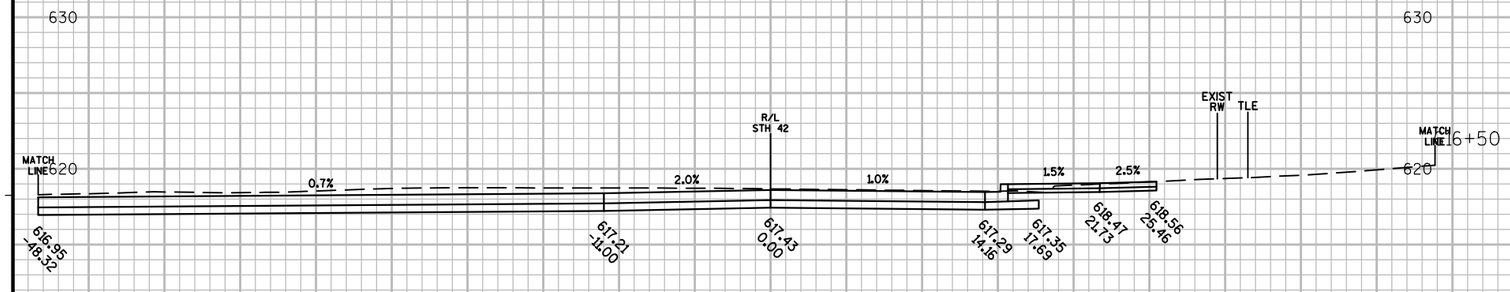
DRIVEWAY RIGHT
(ASPHALTIC SURFACE)

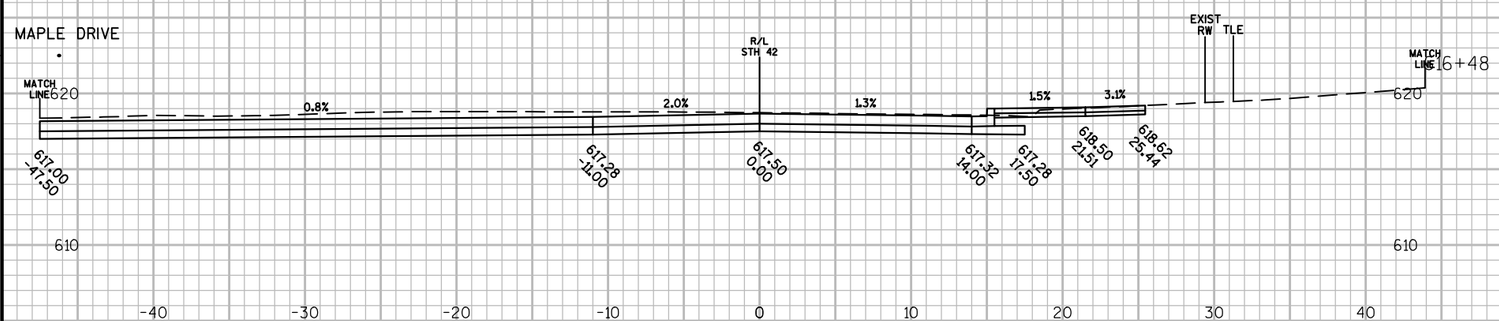


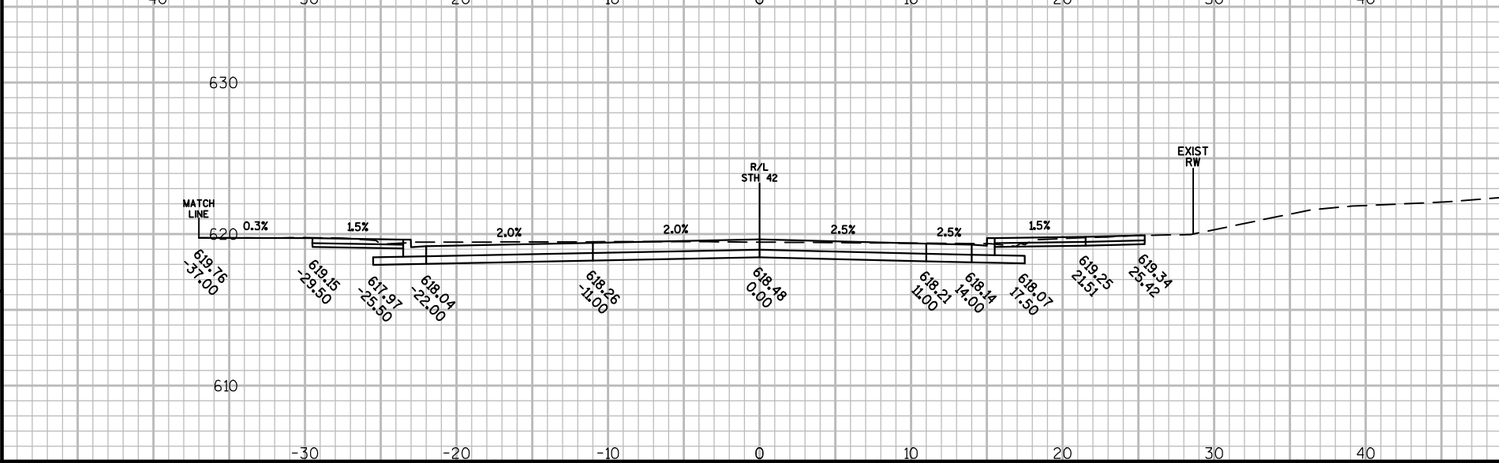


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 10:58 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF





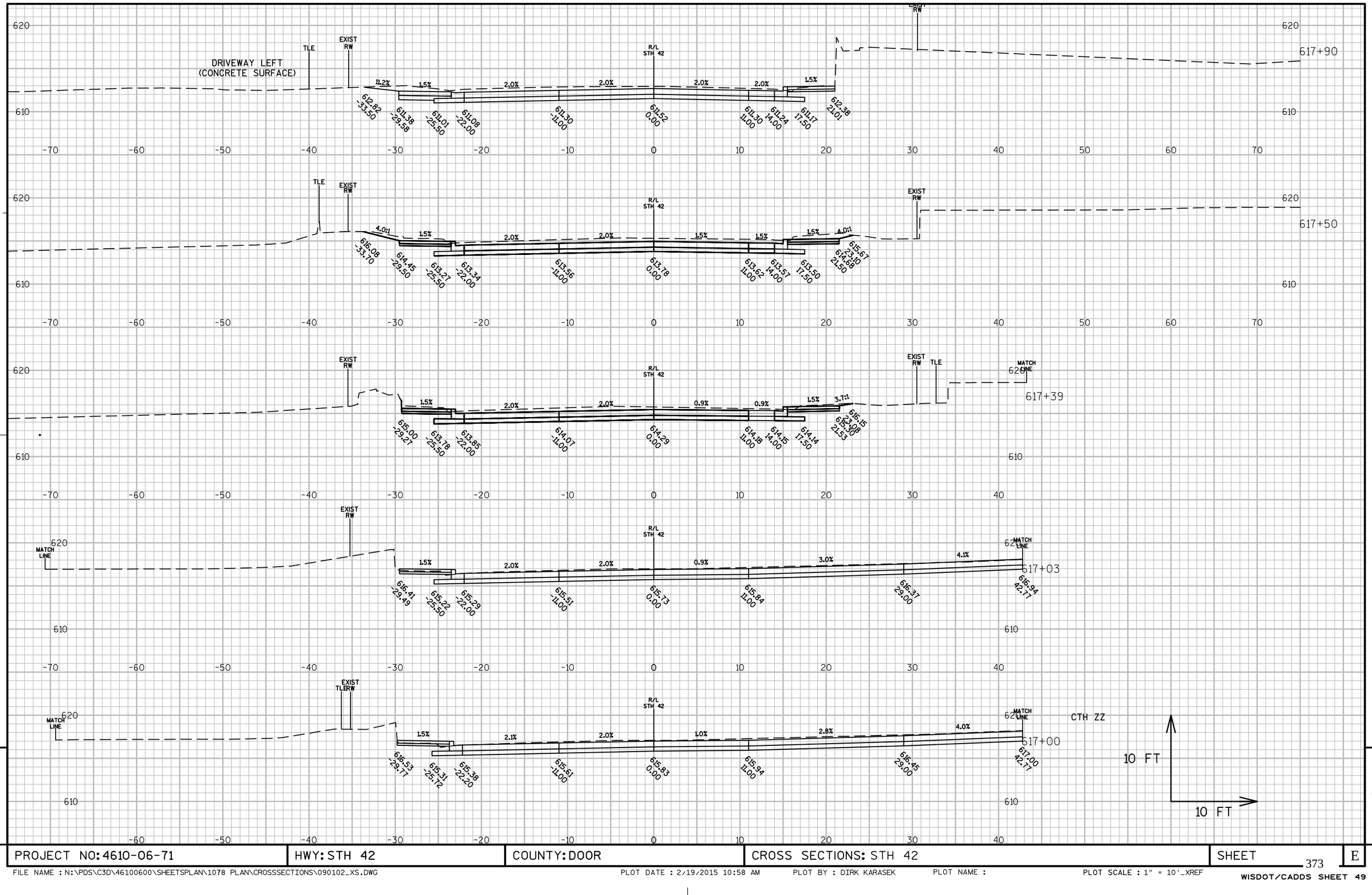


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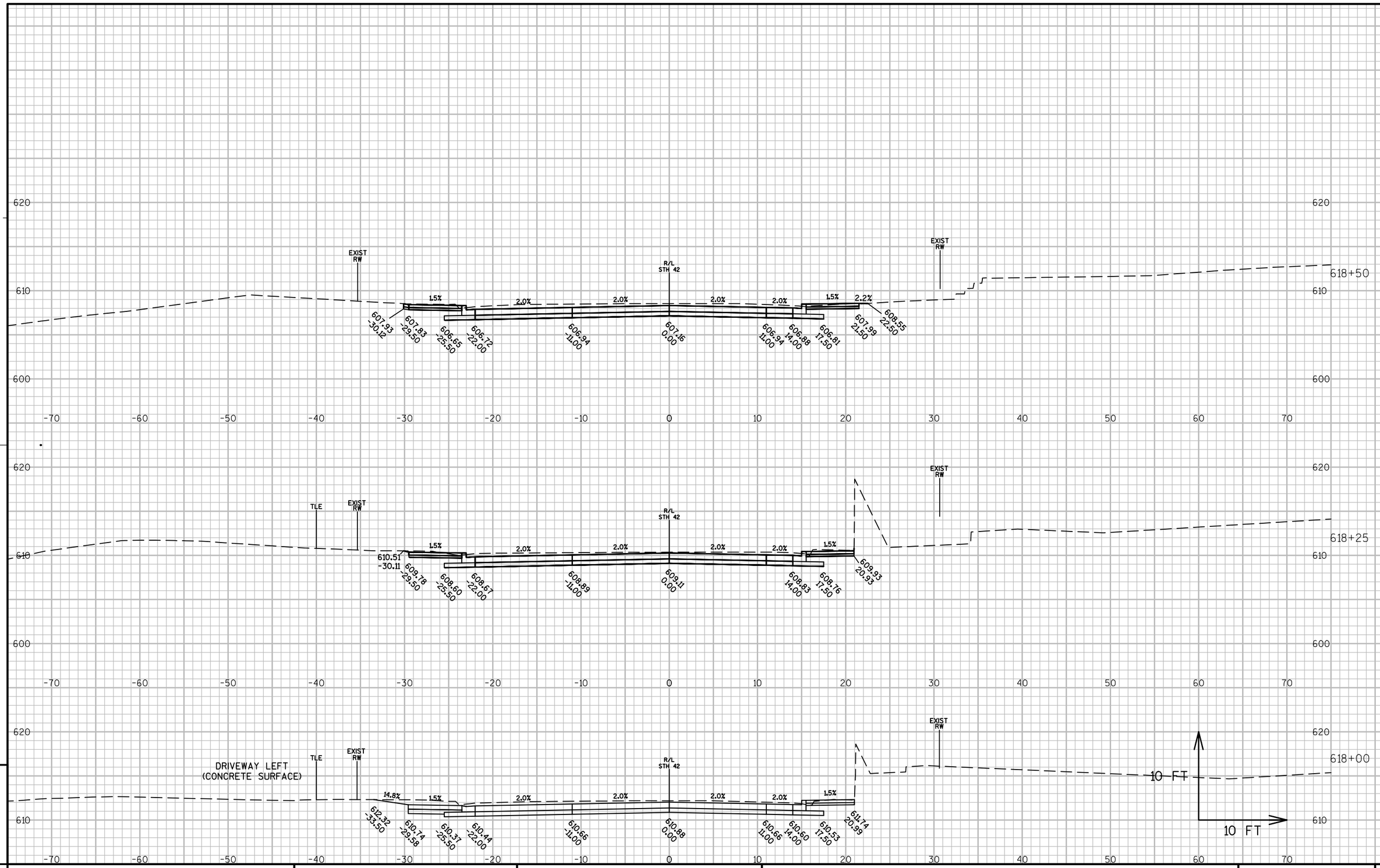
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 10:58 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E



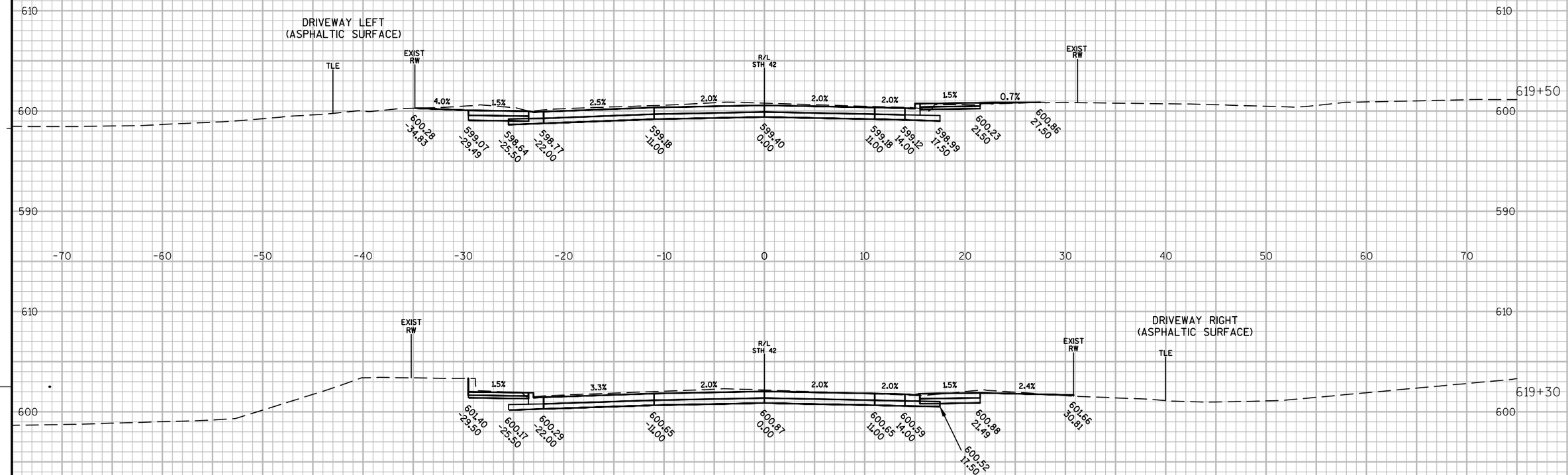
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

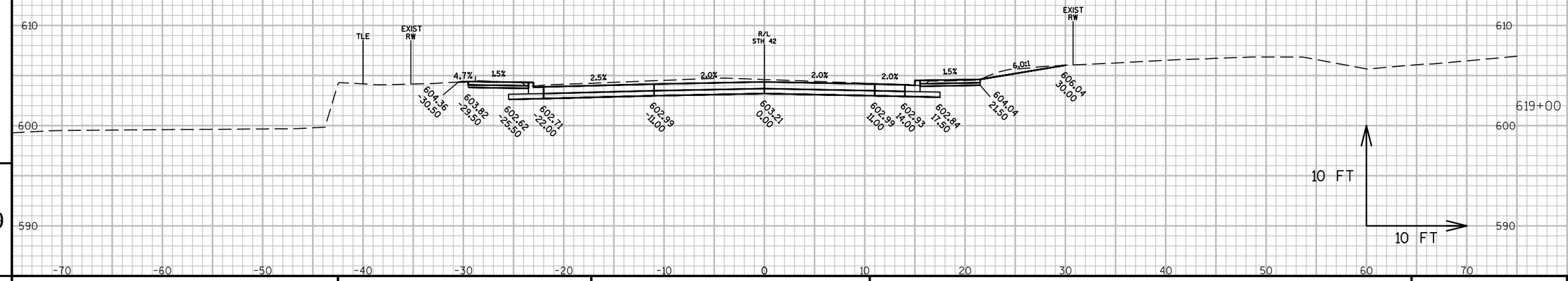
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FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 10:59 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

DRIVEWAY LEFT
(ASPHALTIC SURFACE)



DRIVEWAY RIGHT
(ASPHALTIC SURFACE)



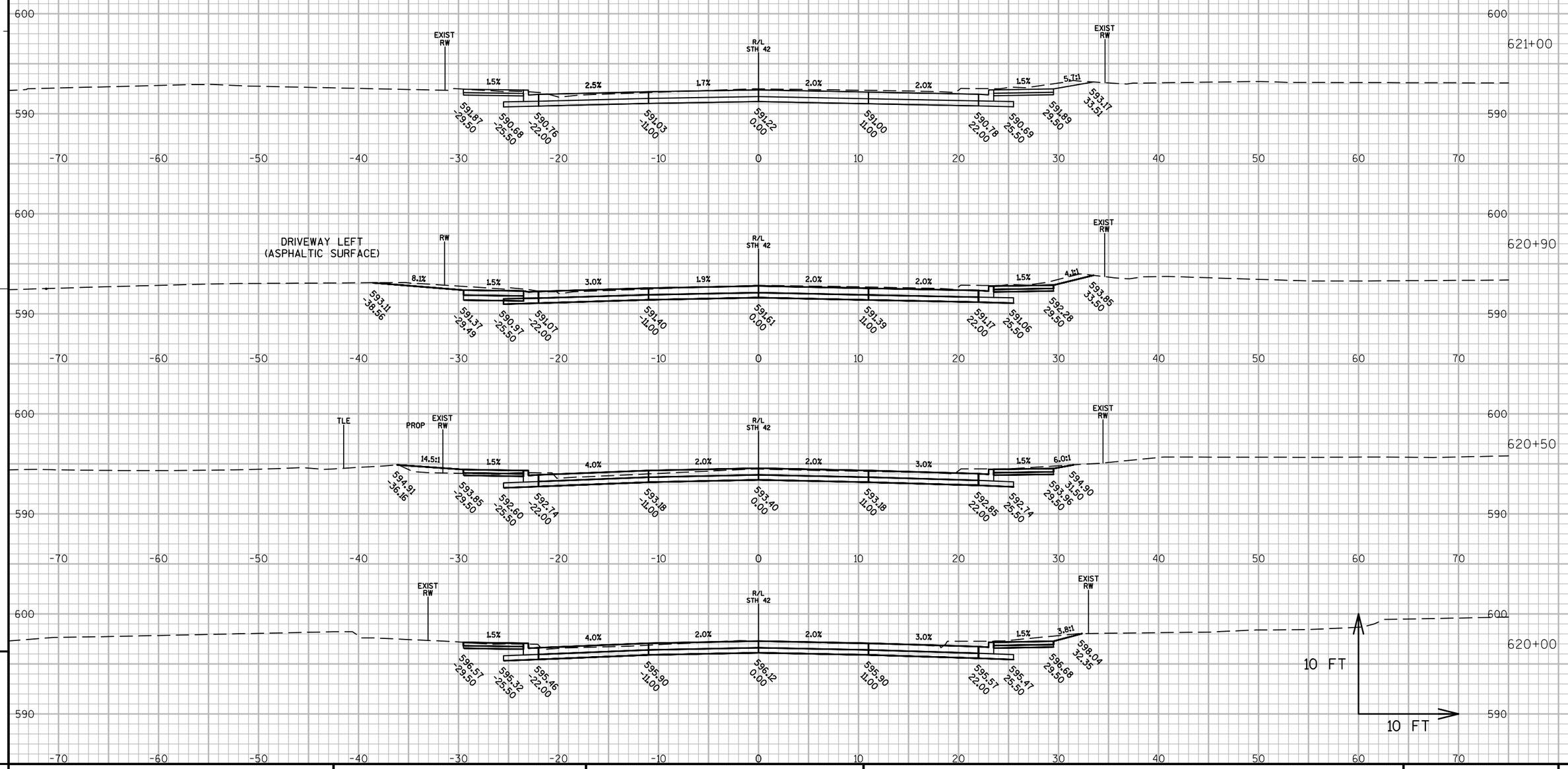
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 10:59 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

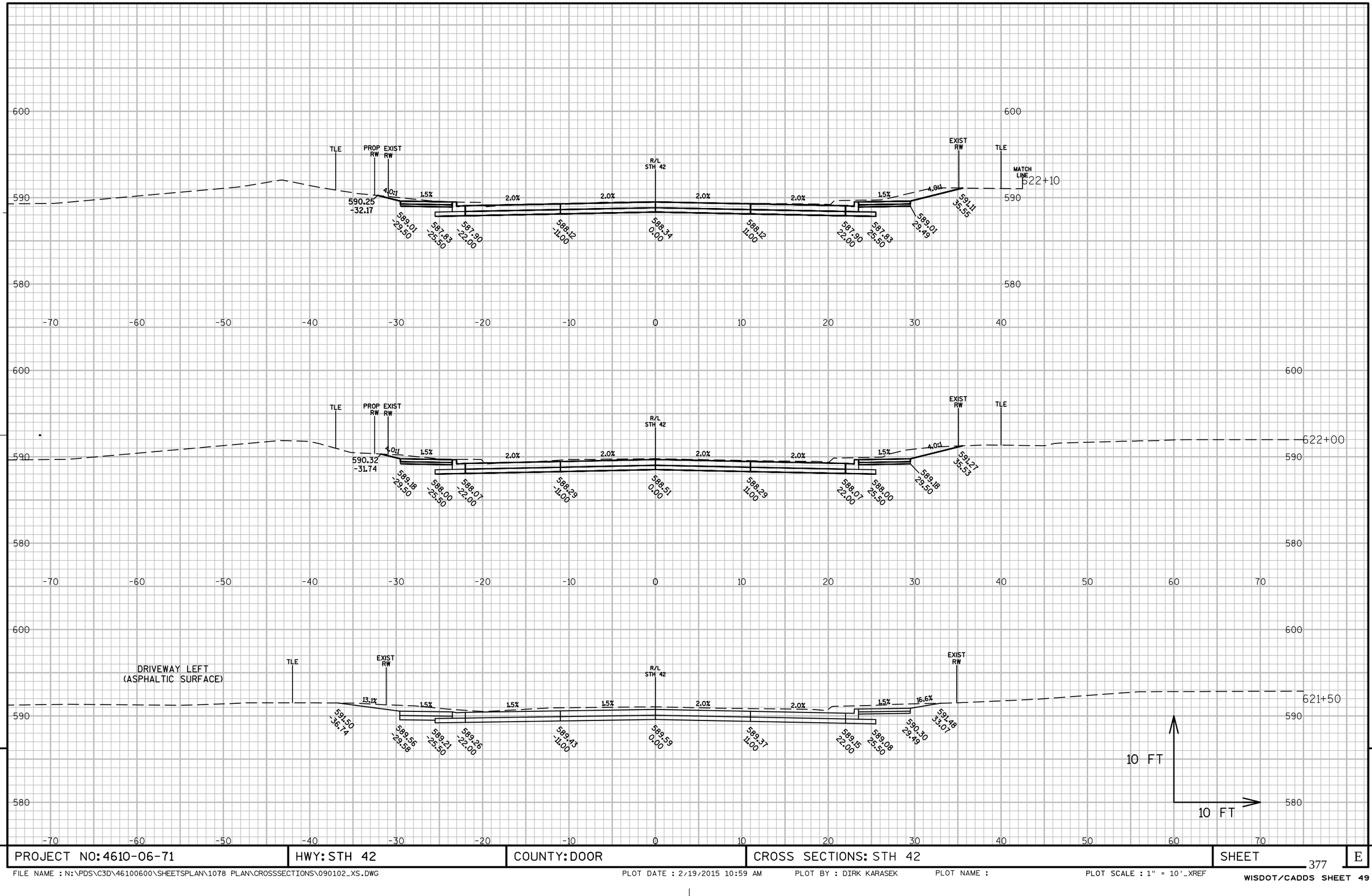
WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 376	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 10:59 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

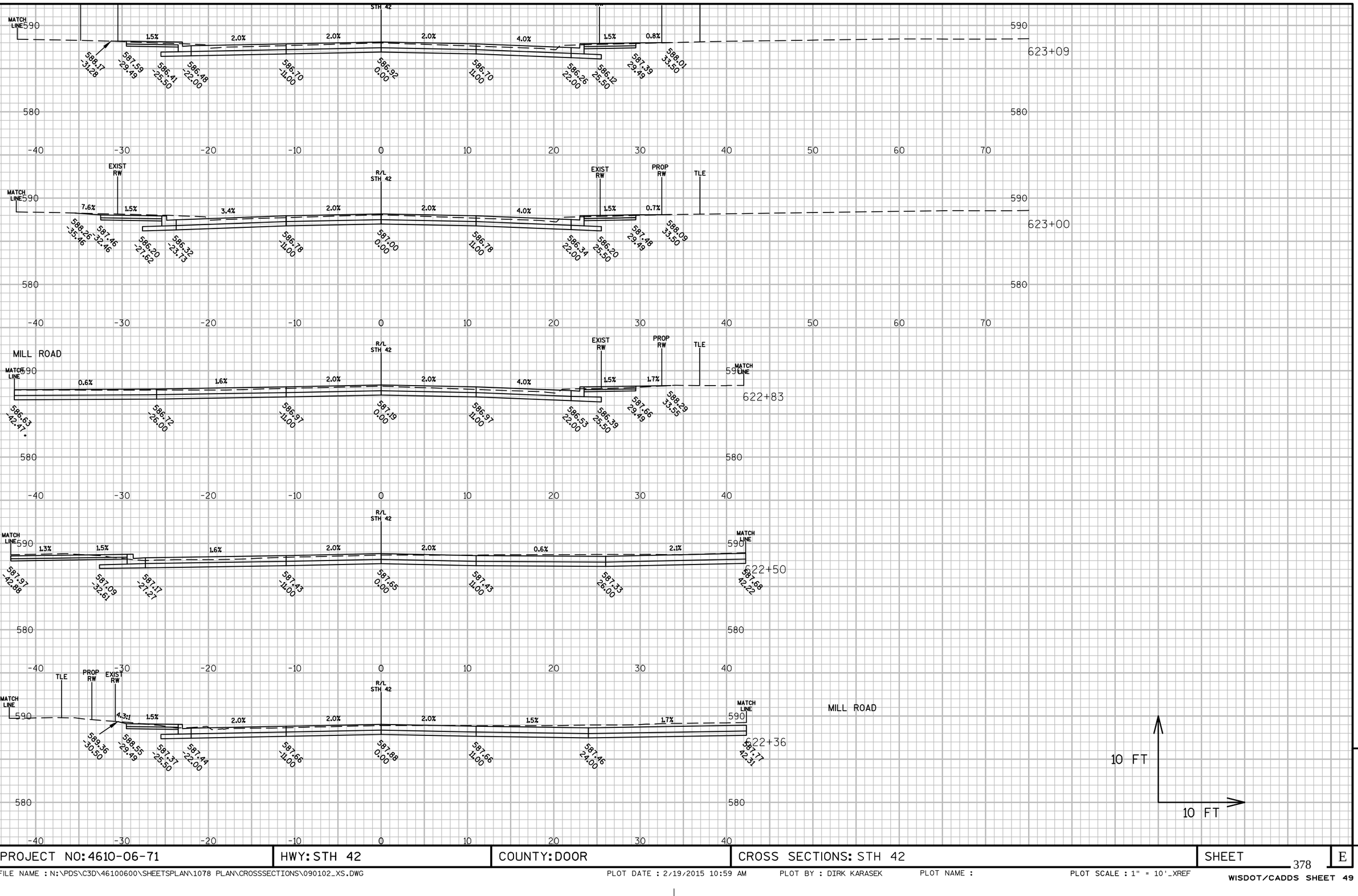
WISDOT/CADDS SHEET 49



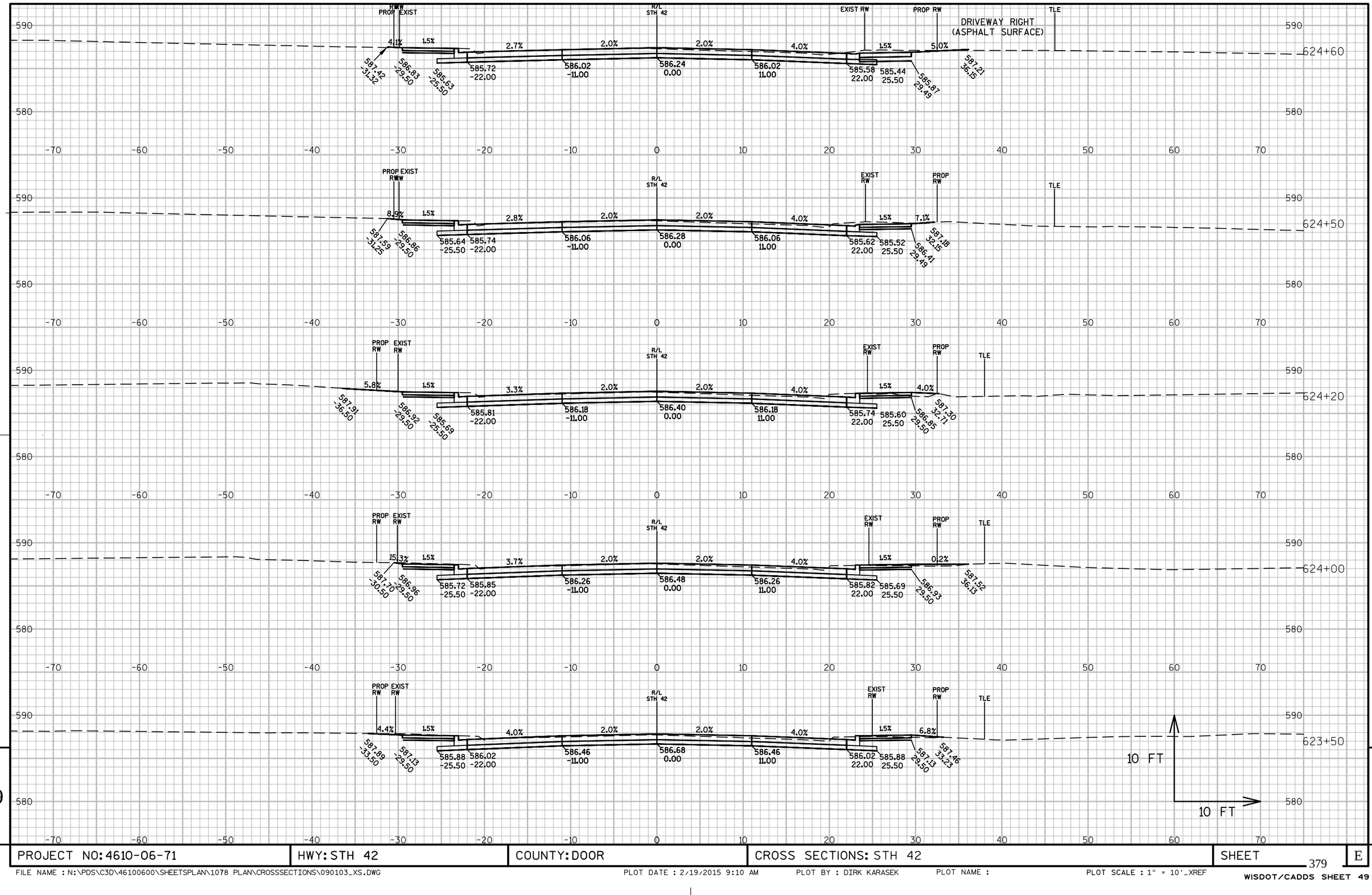
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 377	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 10:59 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

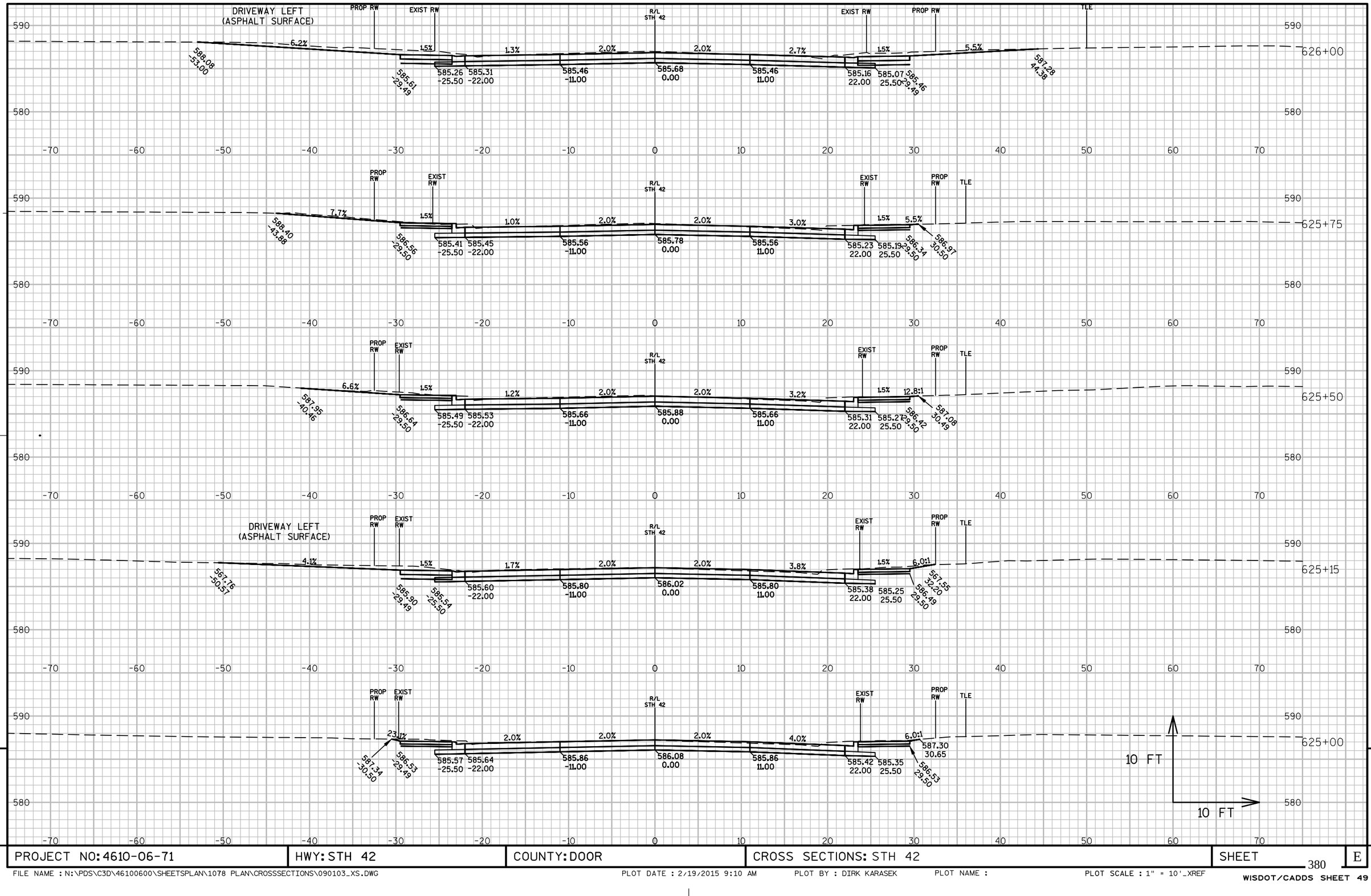
WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E



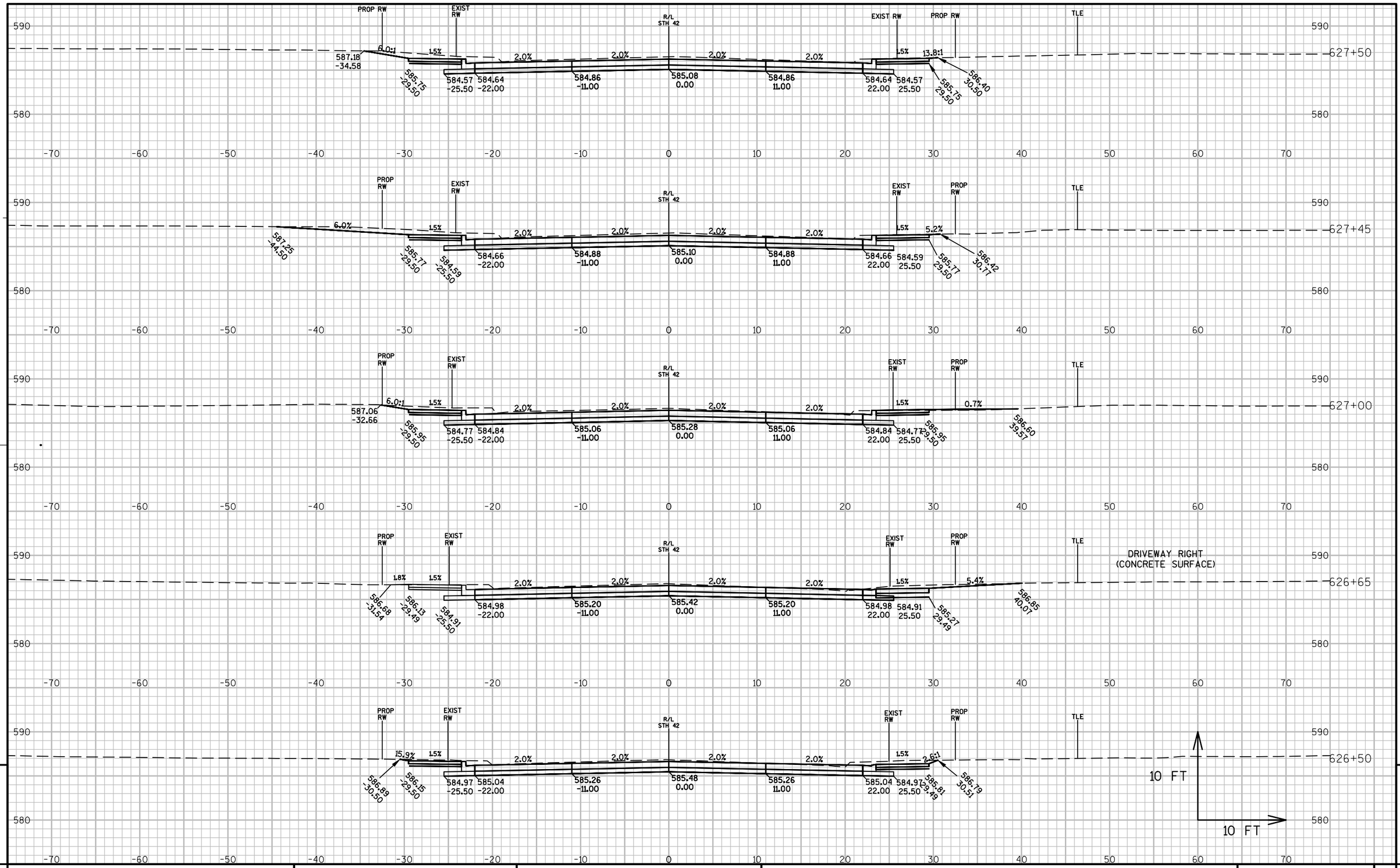
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 379	E



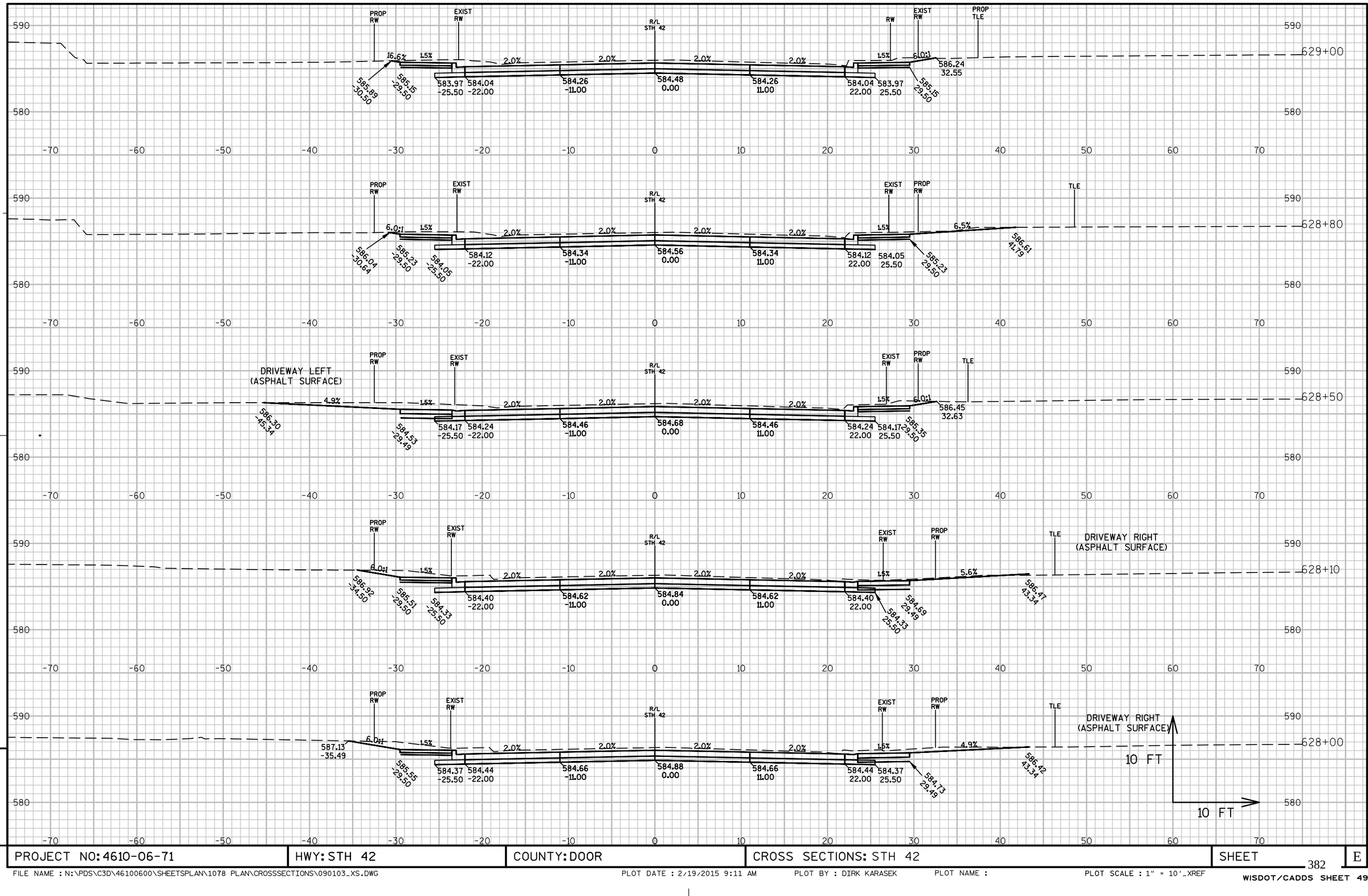
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 380	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090103_XS.DWG PLOT DATE : 2/19/2015 9:10 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

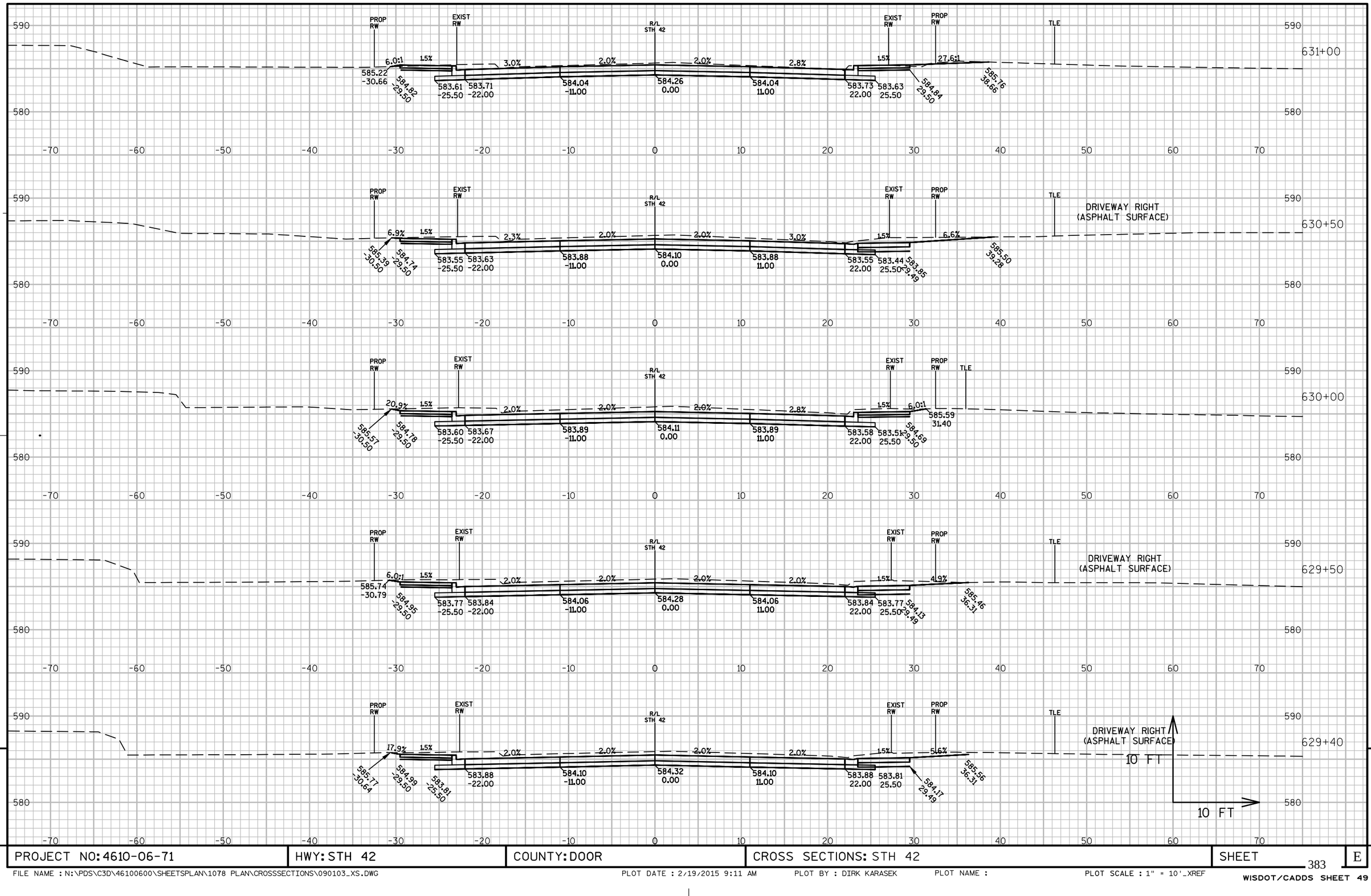
WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 381	E



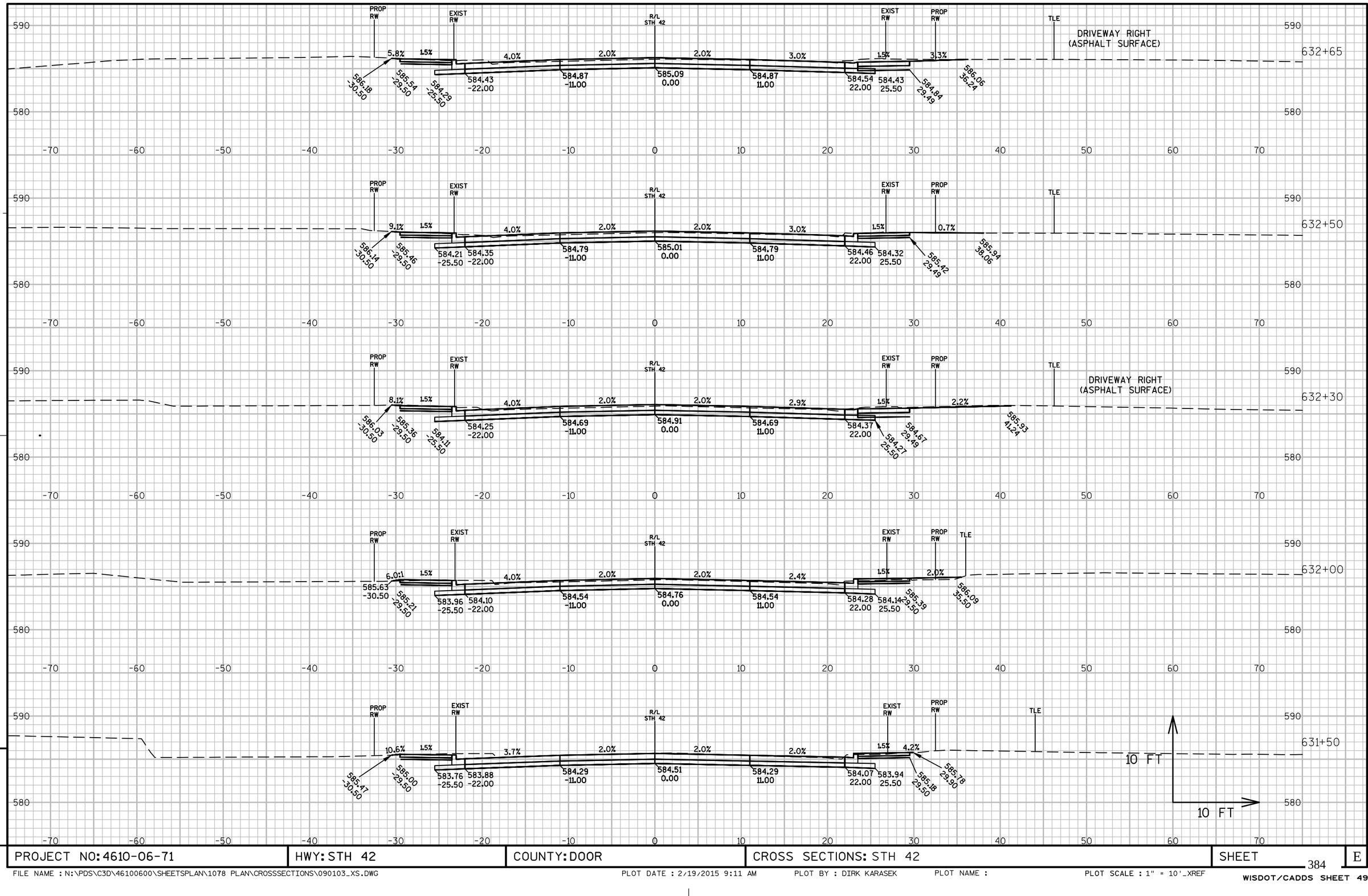
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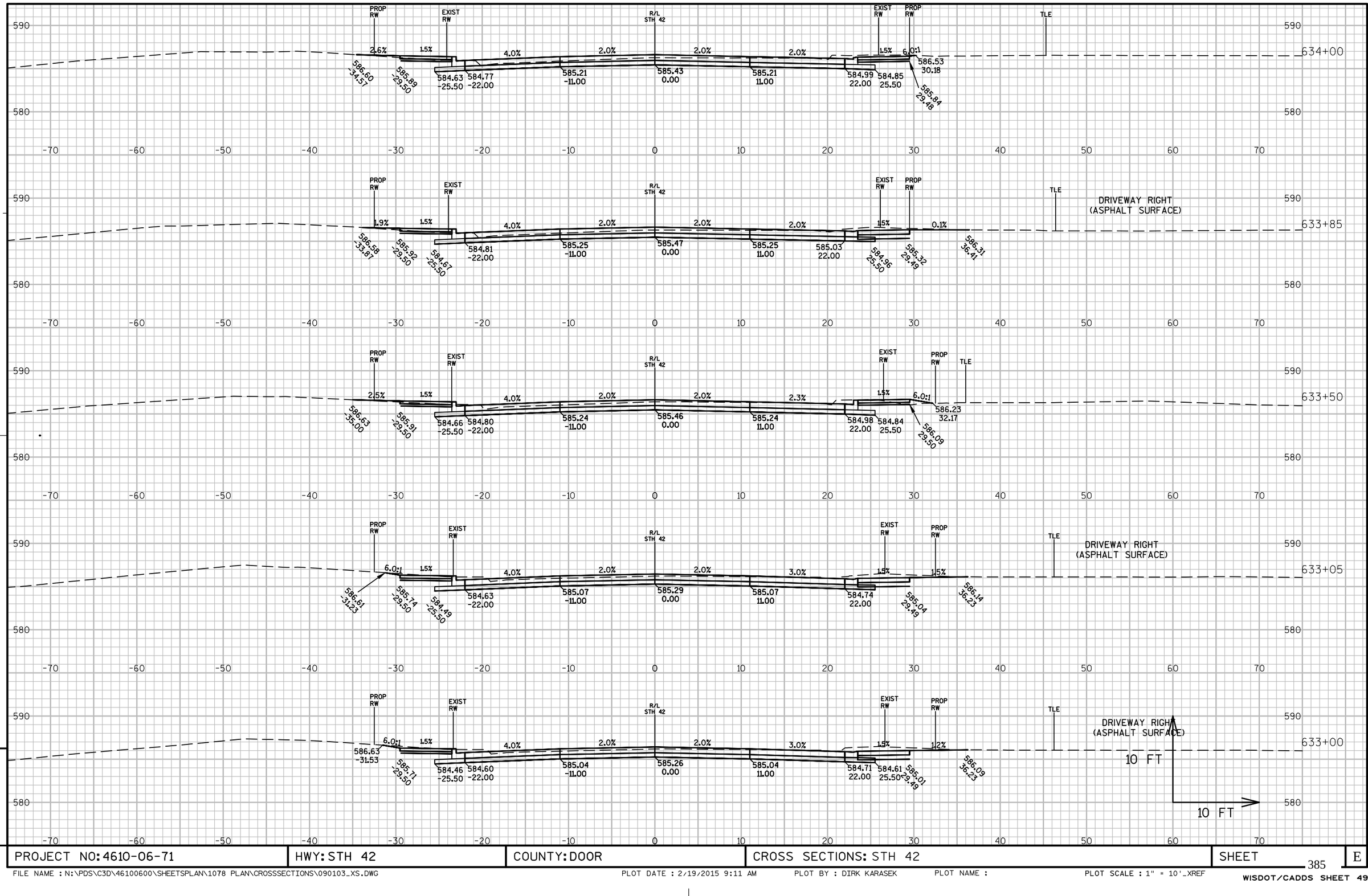
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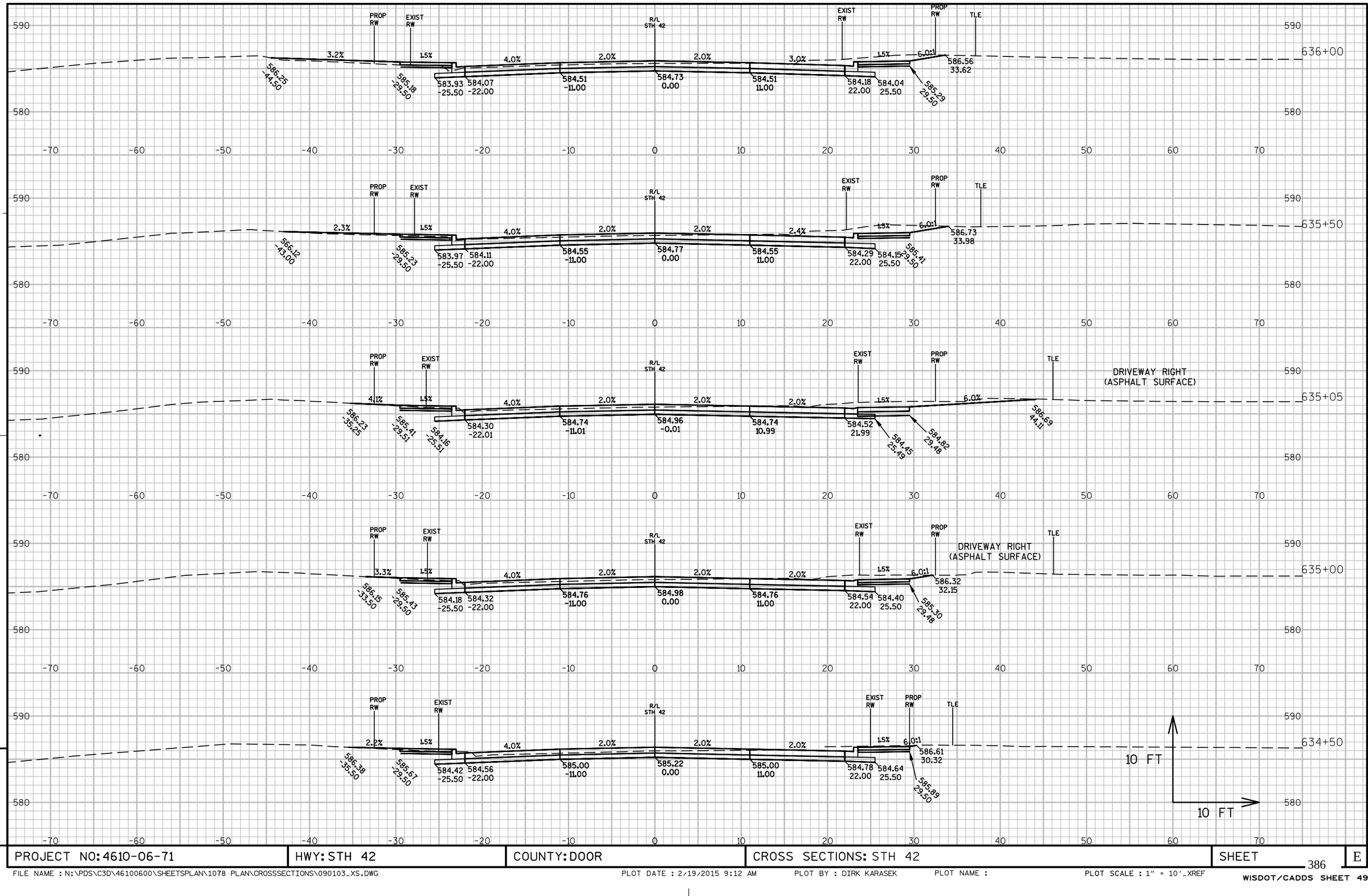
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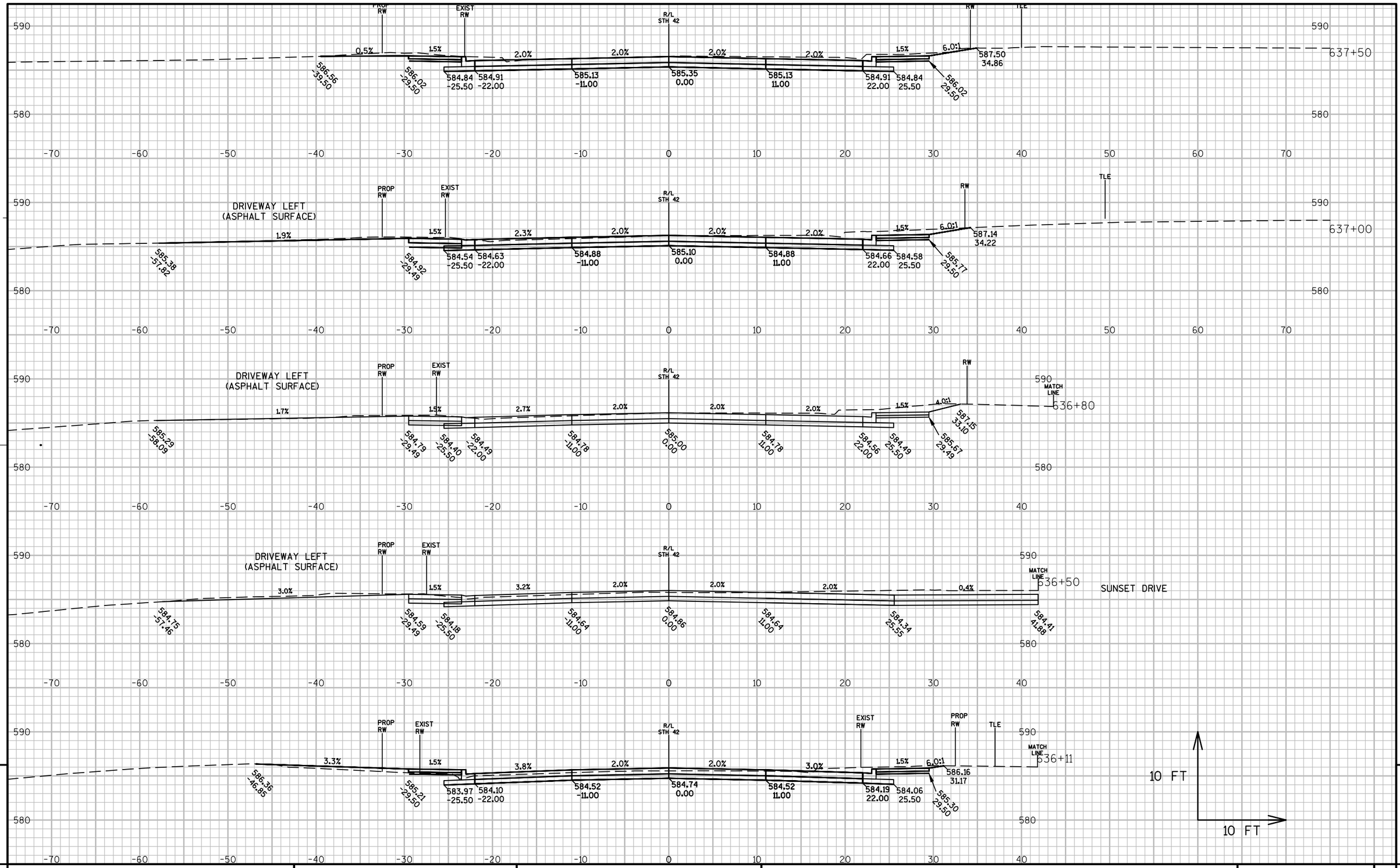
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 384	E



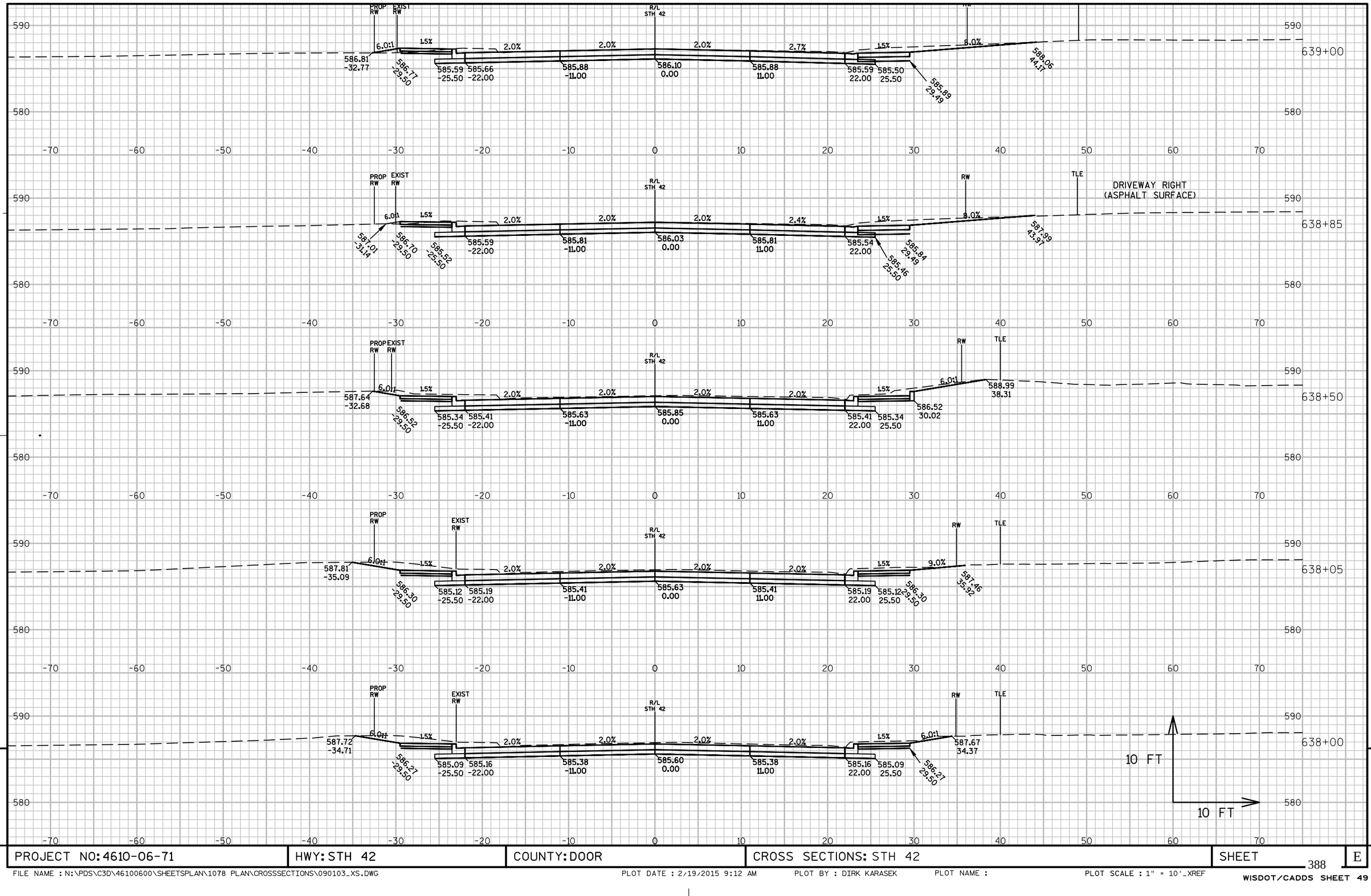
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 385	E



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 386	E

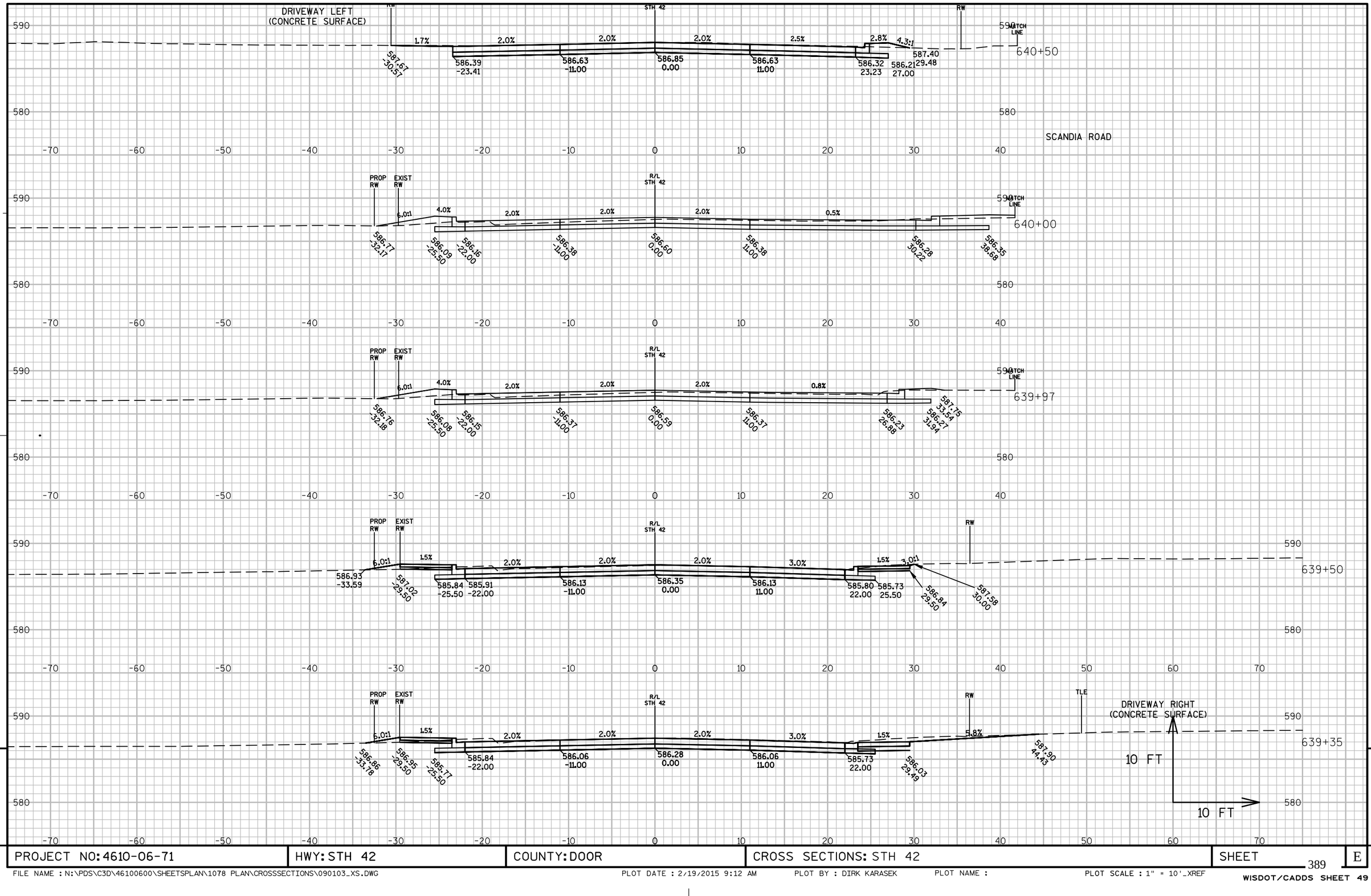


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 387	E

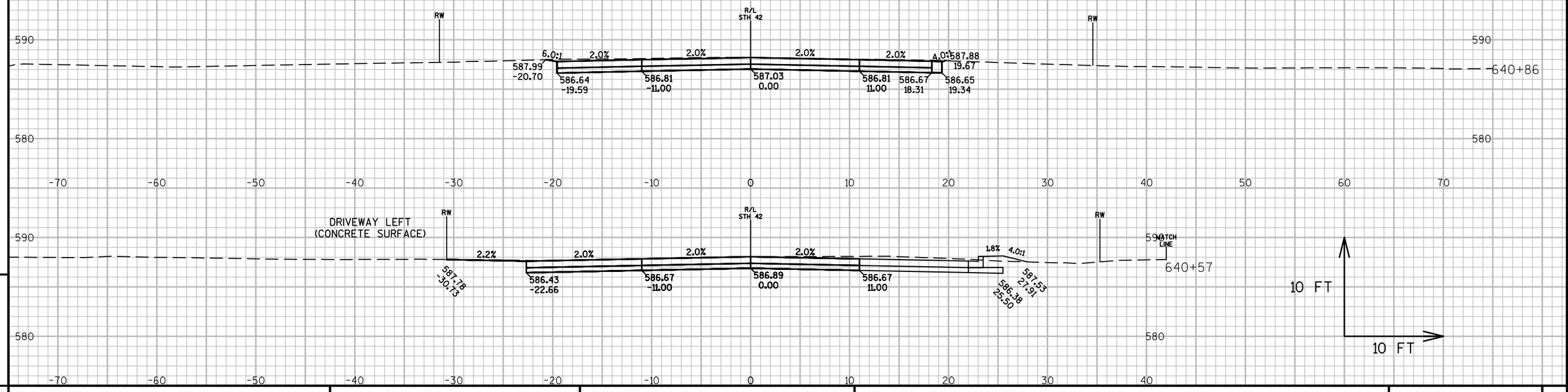


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E

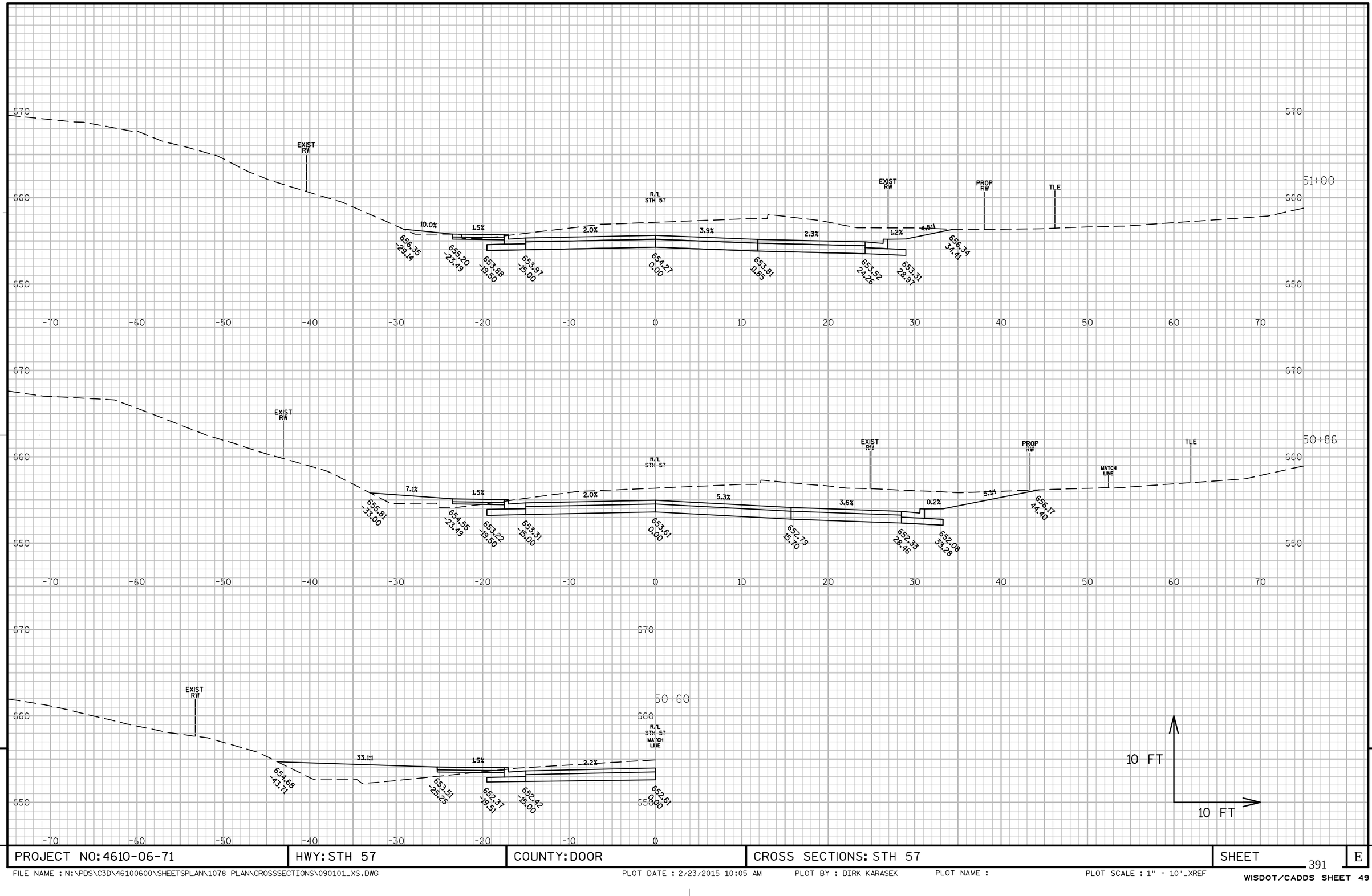
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WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET 389	E



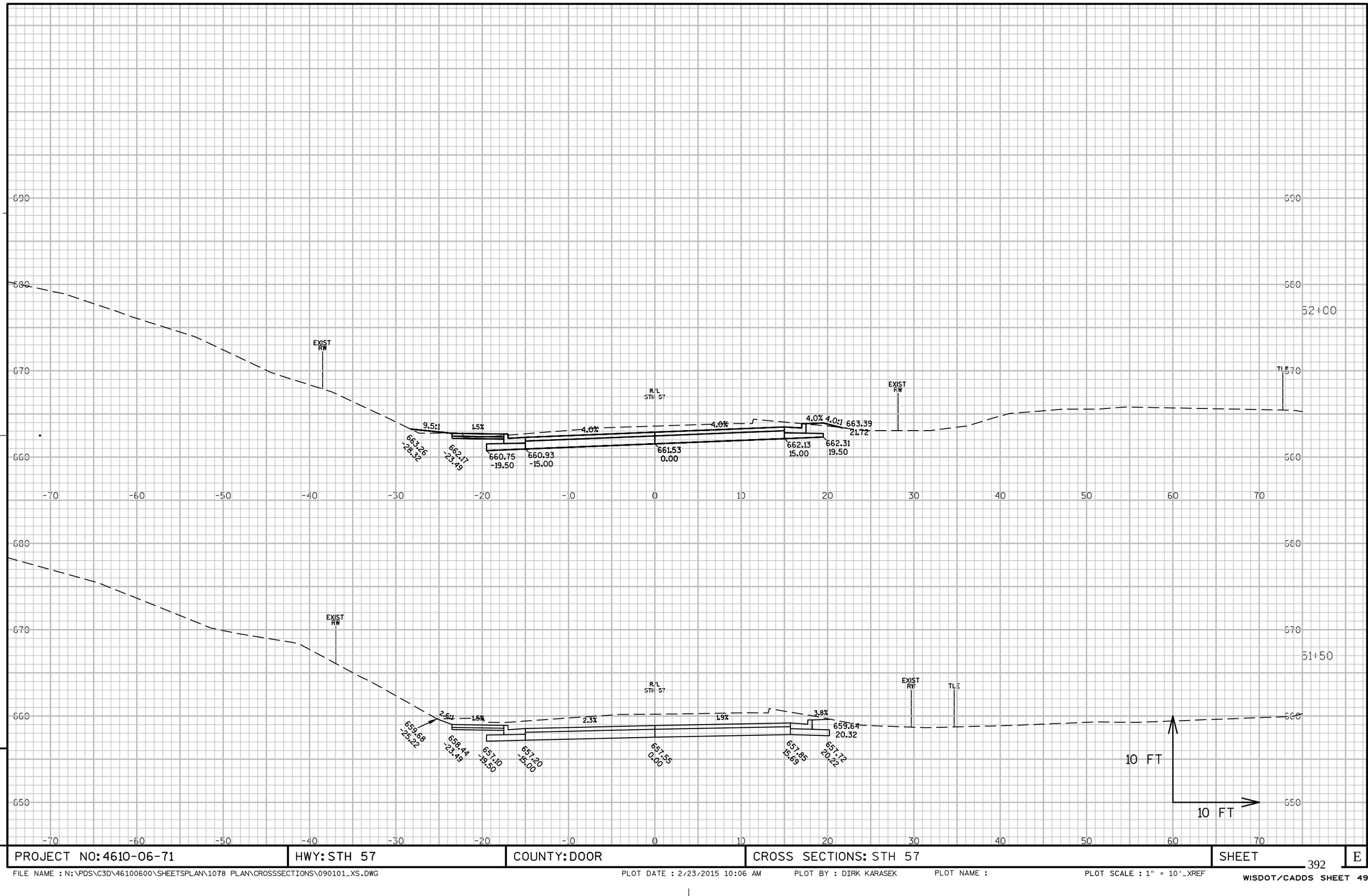
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: STH 42	SHEET	E



PROJECT NO: 4610-06-71	HWY: STH 57	COUNTY: DOOR	CROSS SECTIONS: STH 57	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/23/2015 10:05 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

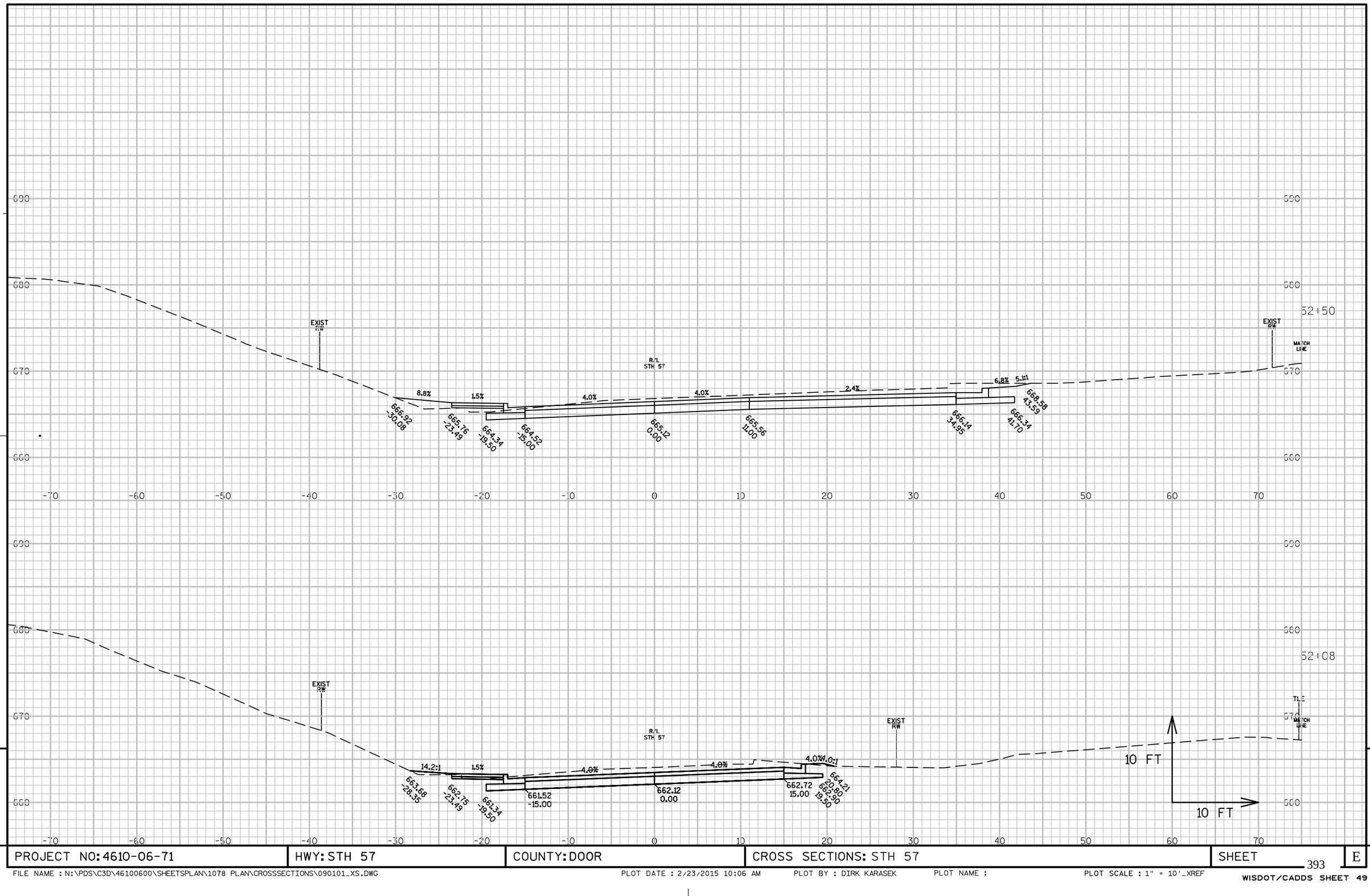
WISDOT/CADDS SHEET 49



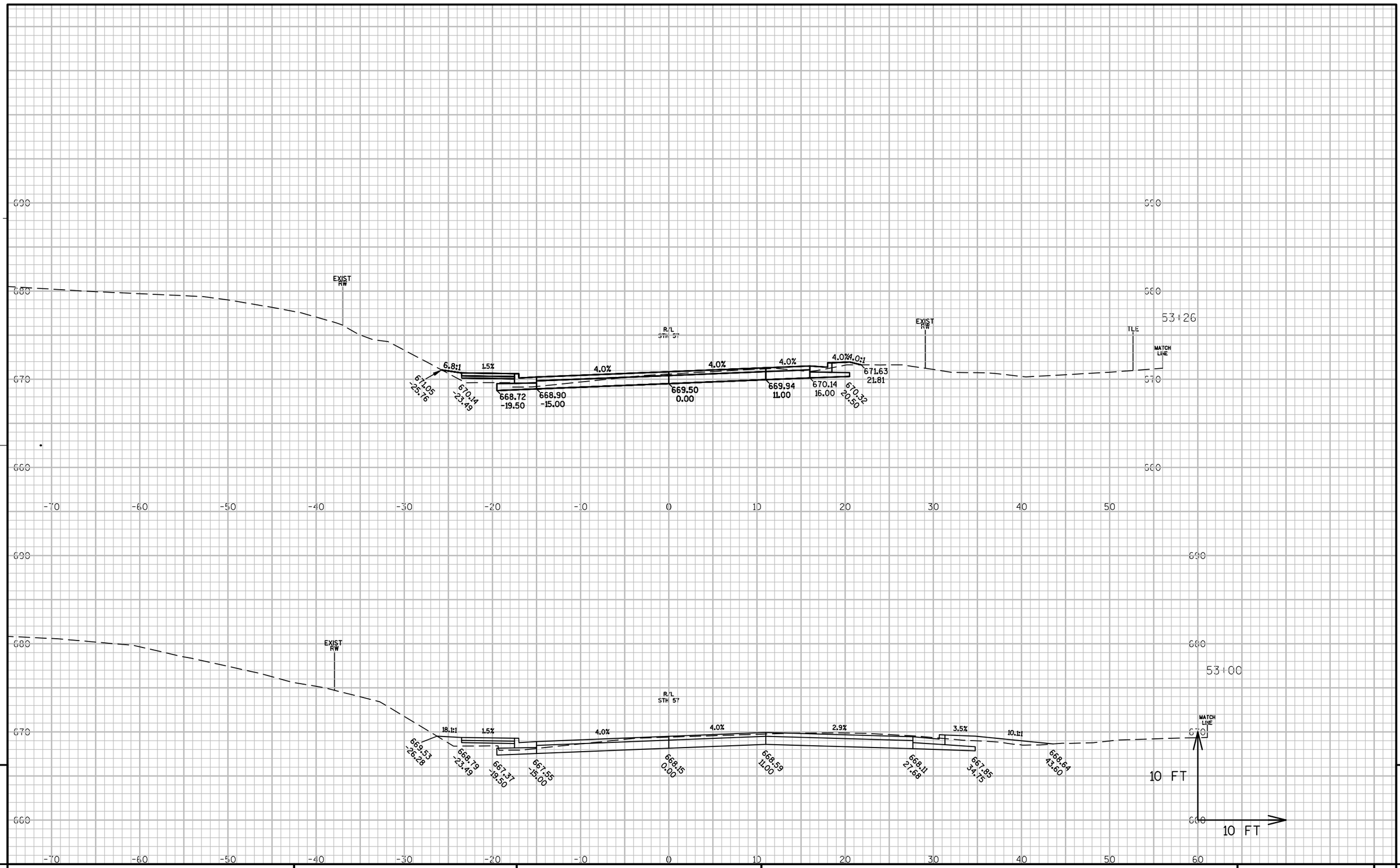
PROJECT NO: 4610-06-71	HWY: STH 57	COUNTY: DOOR	CROSS SECTIONS: STH 57	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/23/2015 10:06 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



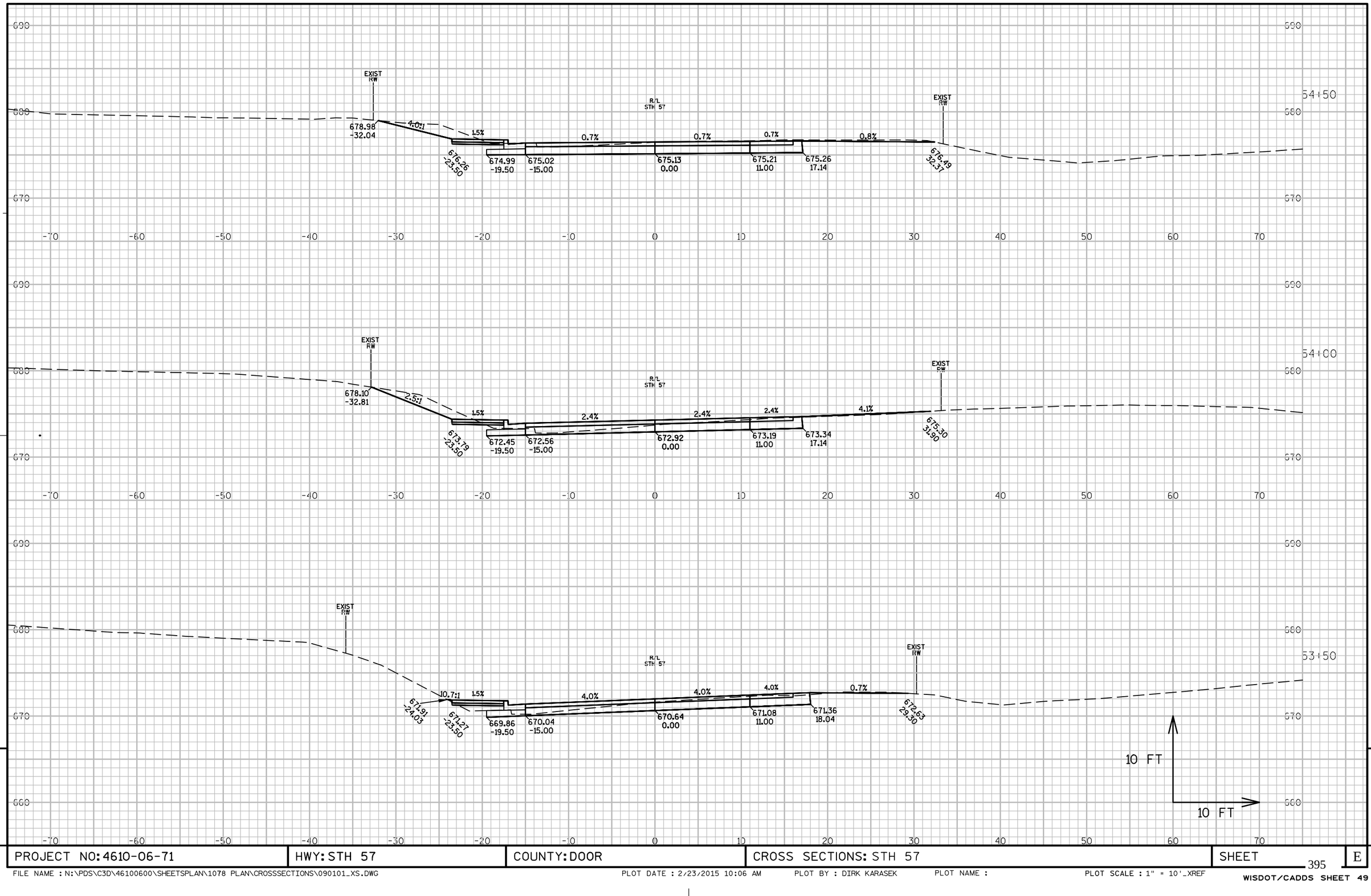
PROJECT NO: 4610-06-71	HWY: STH 57	COUNTY: DOOR	CROSS SECTIONS: STH 57	SHEET	E



PROJECT NO: 4610-06-71	HWY: STH 57	COUNTY: DOOR	CROSS SECTIONS: STH 57	SHEET	E

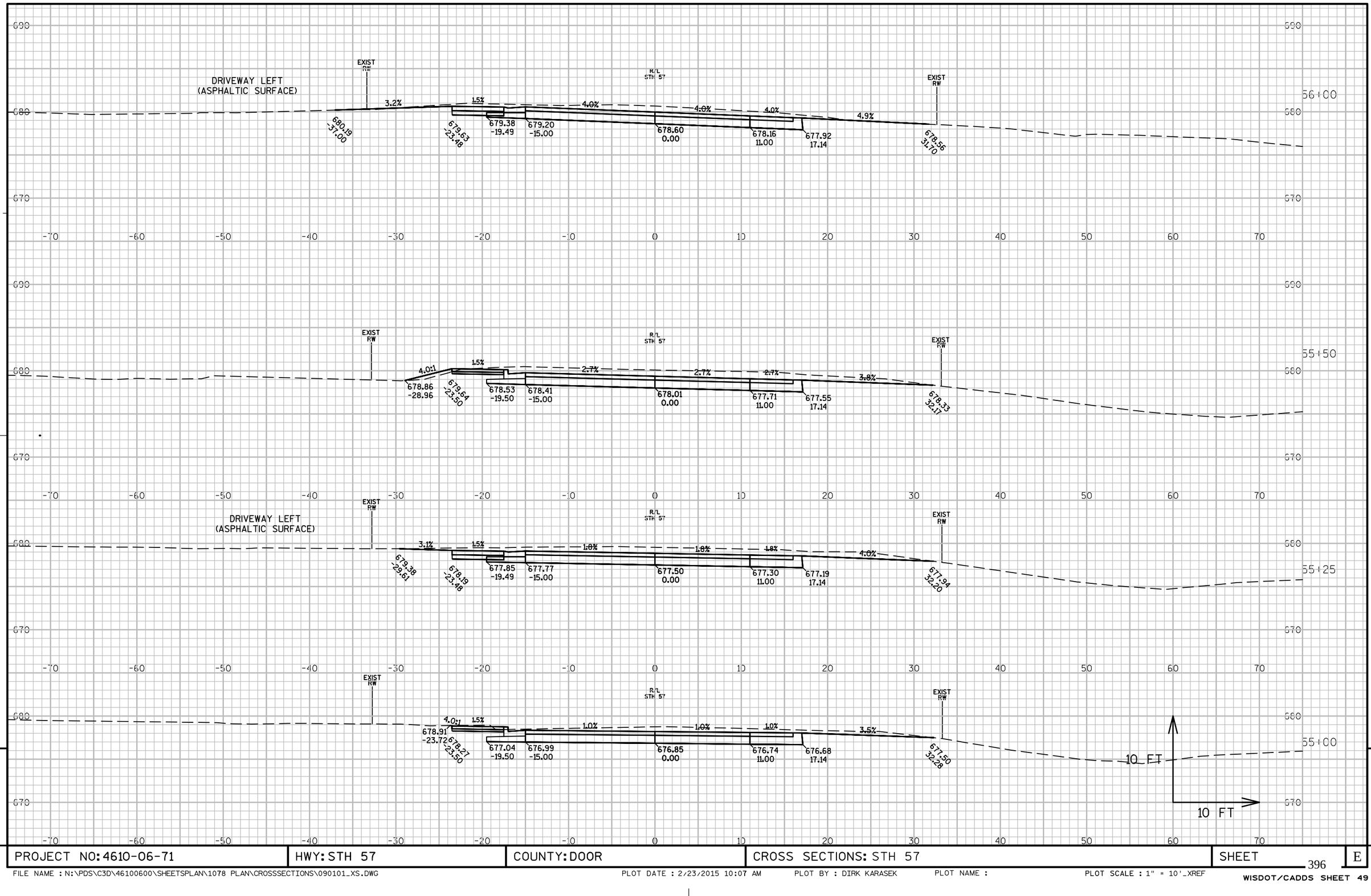
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/23/2015 10:06 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 57	COUNTY: DOOR	CROSS SECTIONS: STH 57	SHEET 395	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/23/2015 10:06 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 4610-06-71	HWY: STH 57	COUNTY: DOOR	CROSS SECTIONS: STH 57	SHEET	E

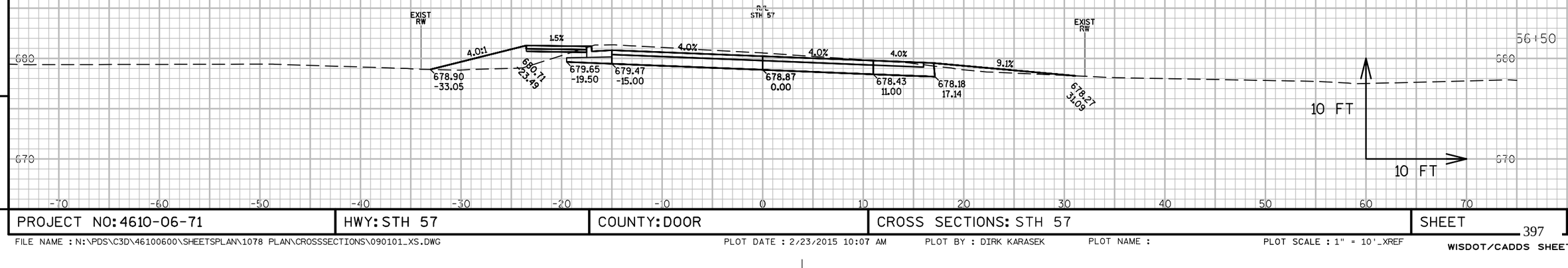
CANTERBURY LANE



57+32



57+00



56+50

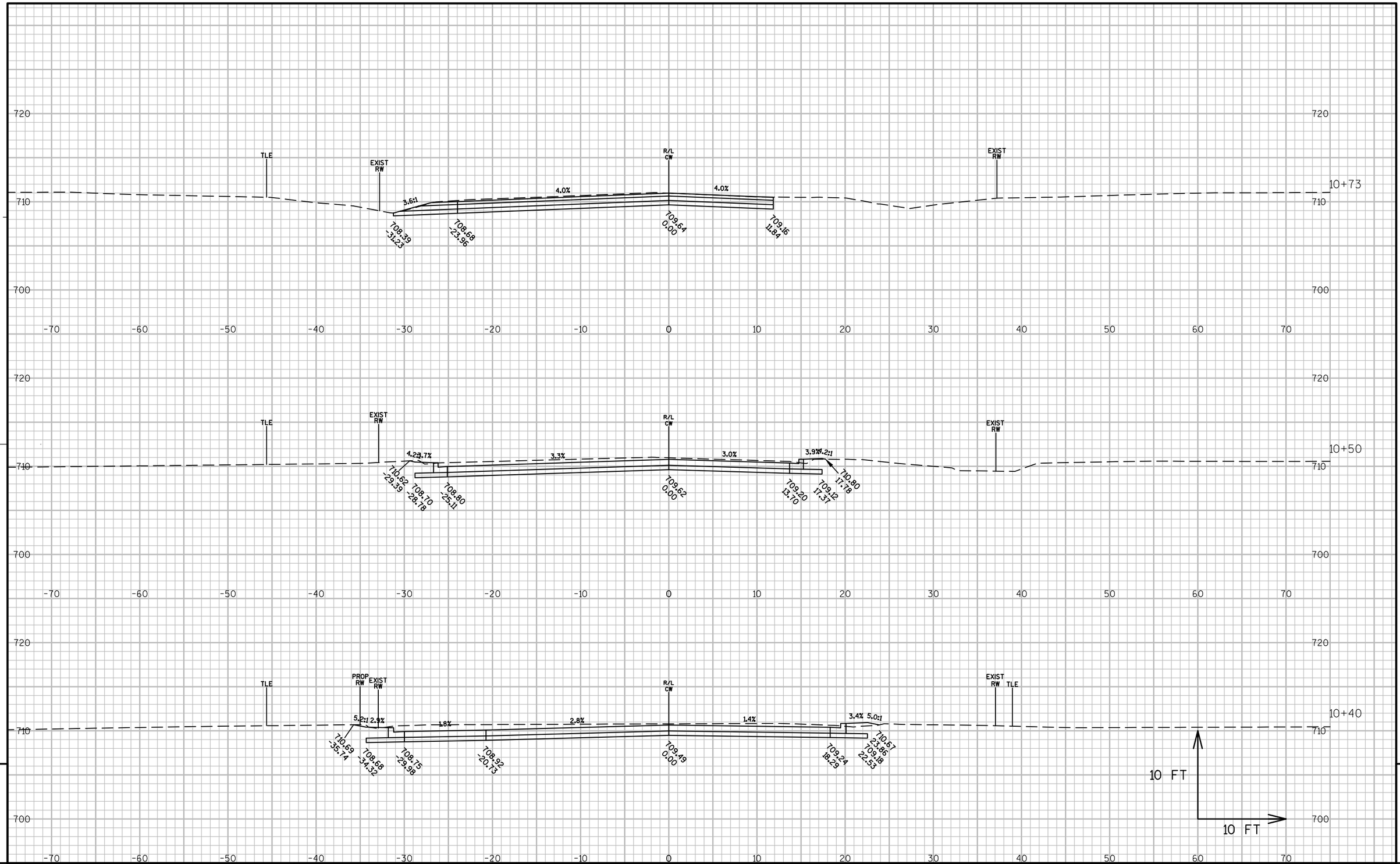
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9

PROJECT NO: 4610-06-71	HWY: STH 57	COUNTY: DOOR	CROSS SECTIONS: STH 57	SHEET 397	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/23/2015 10:07 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

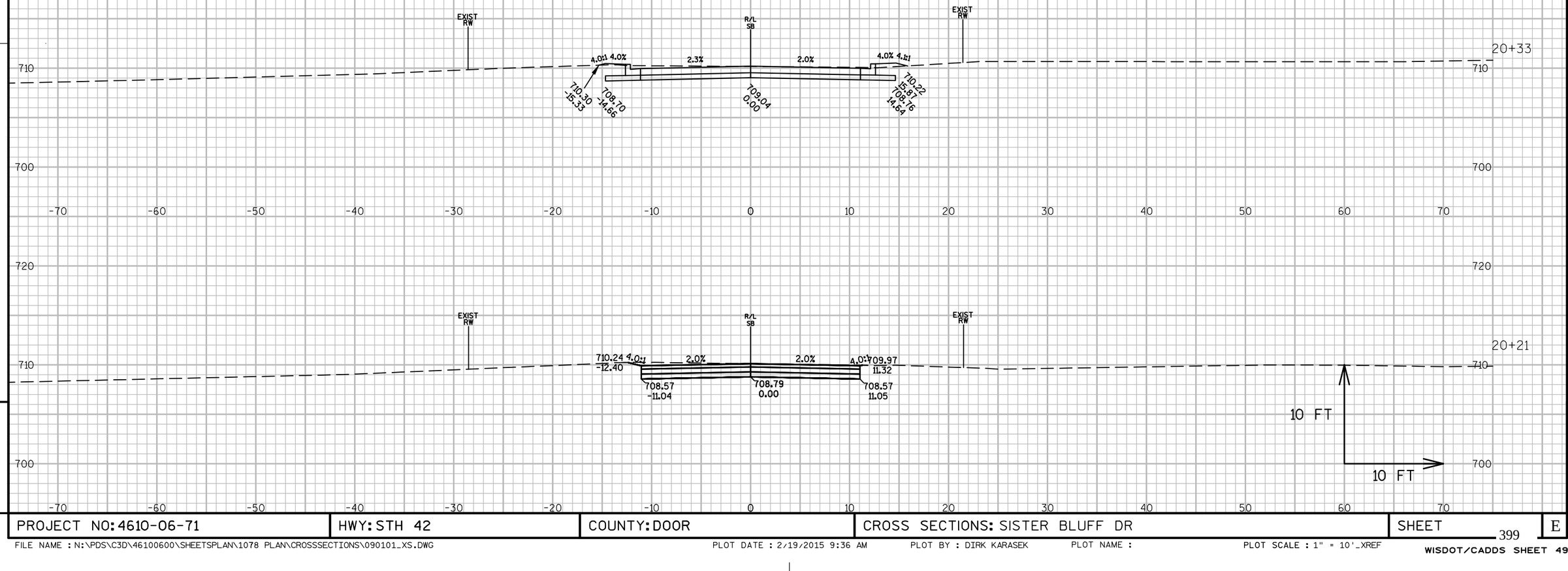
WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: COUNTRY WALK DR	SHEET 398	E

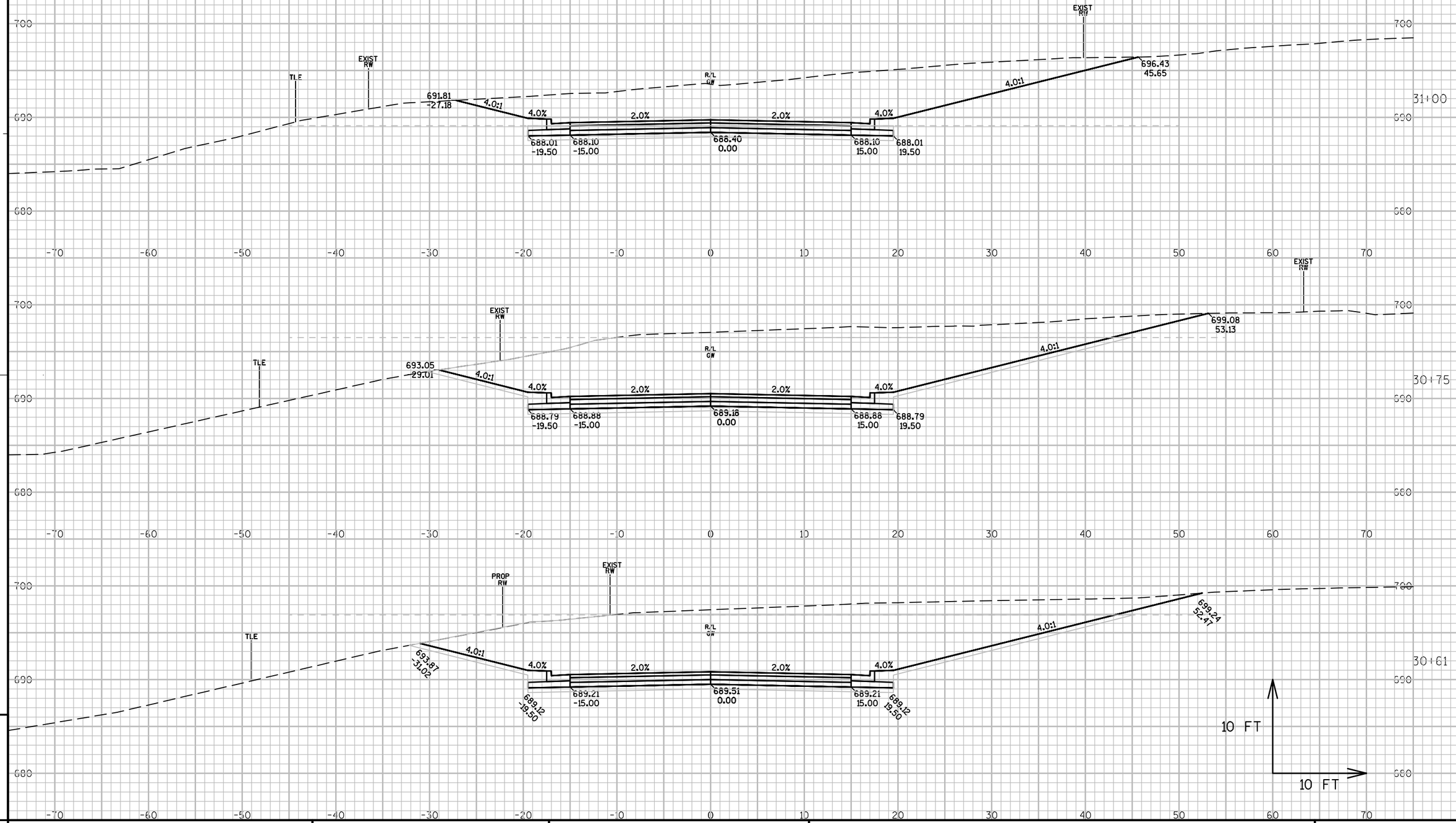
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/19/2015 9:30 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SISTER BLUFF DR	SHEET 399	E

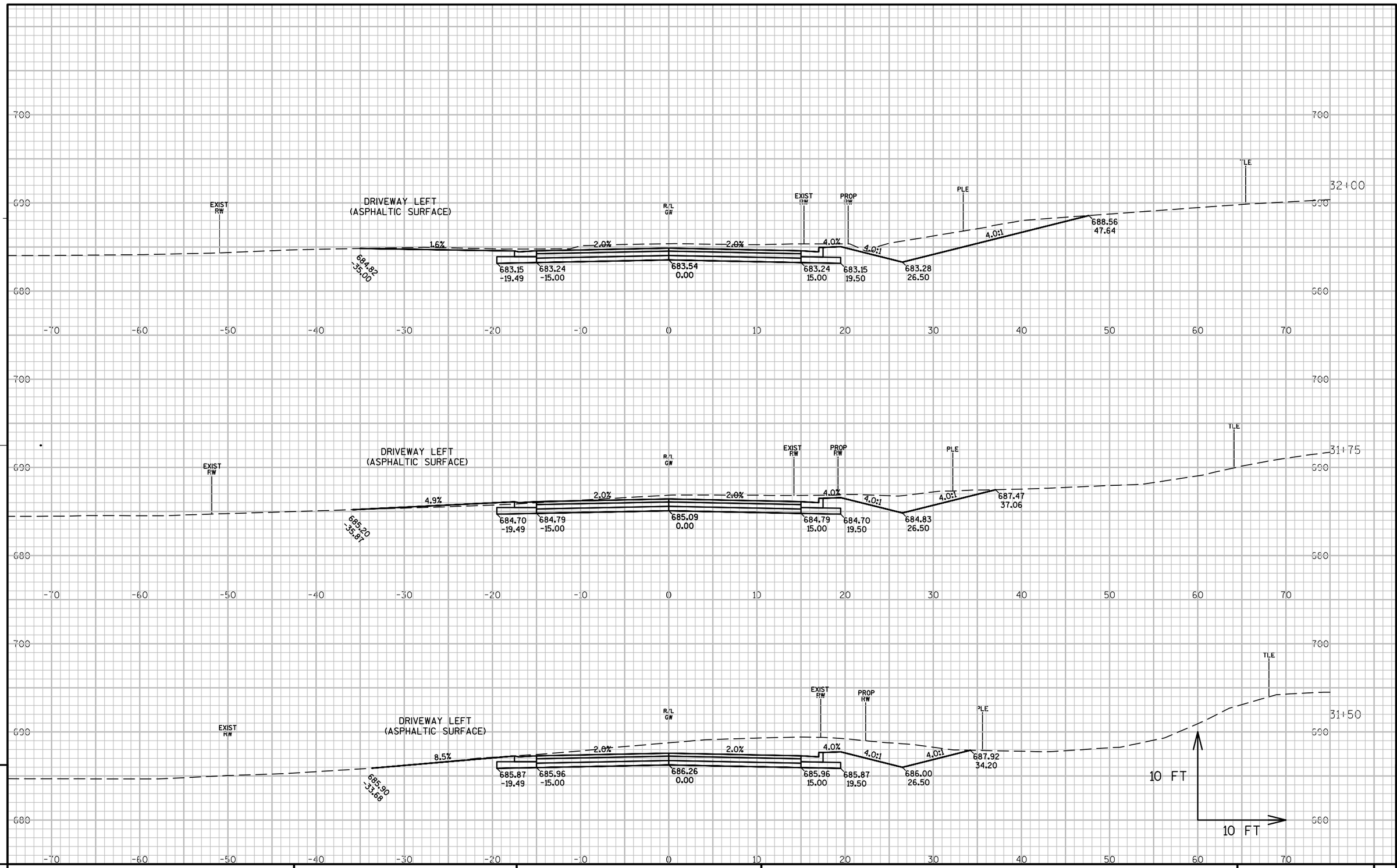
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: GATEWAY DR	SHEET 400	E

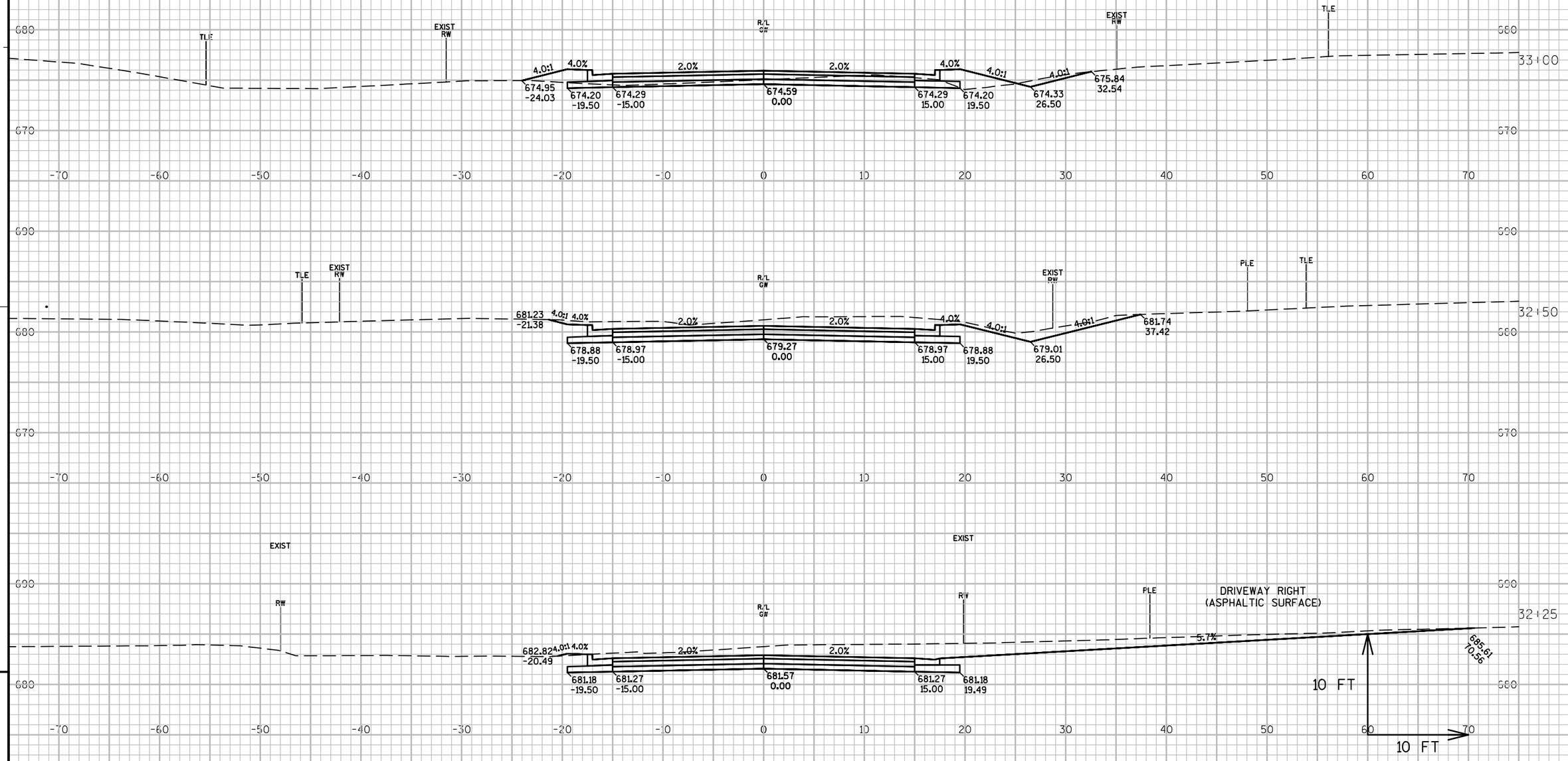
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/19/2015 9:38 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: GATEWAY DR	SHEET	E

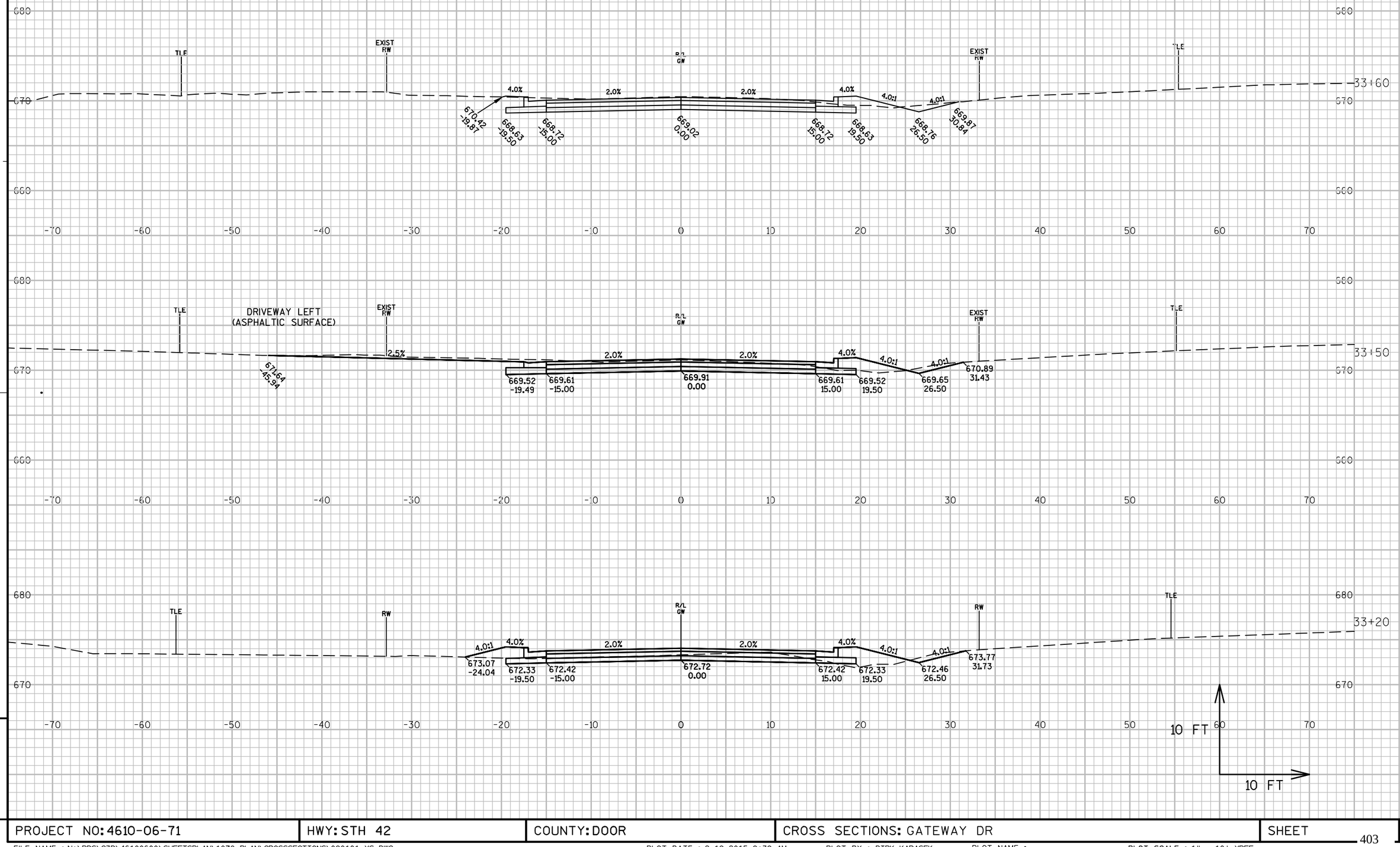
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/19/2015 9:38 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: GATEWAY DR	SHEET 402	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/19/2015 9:39 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

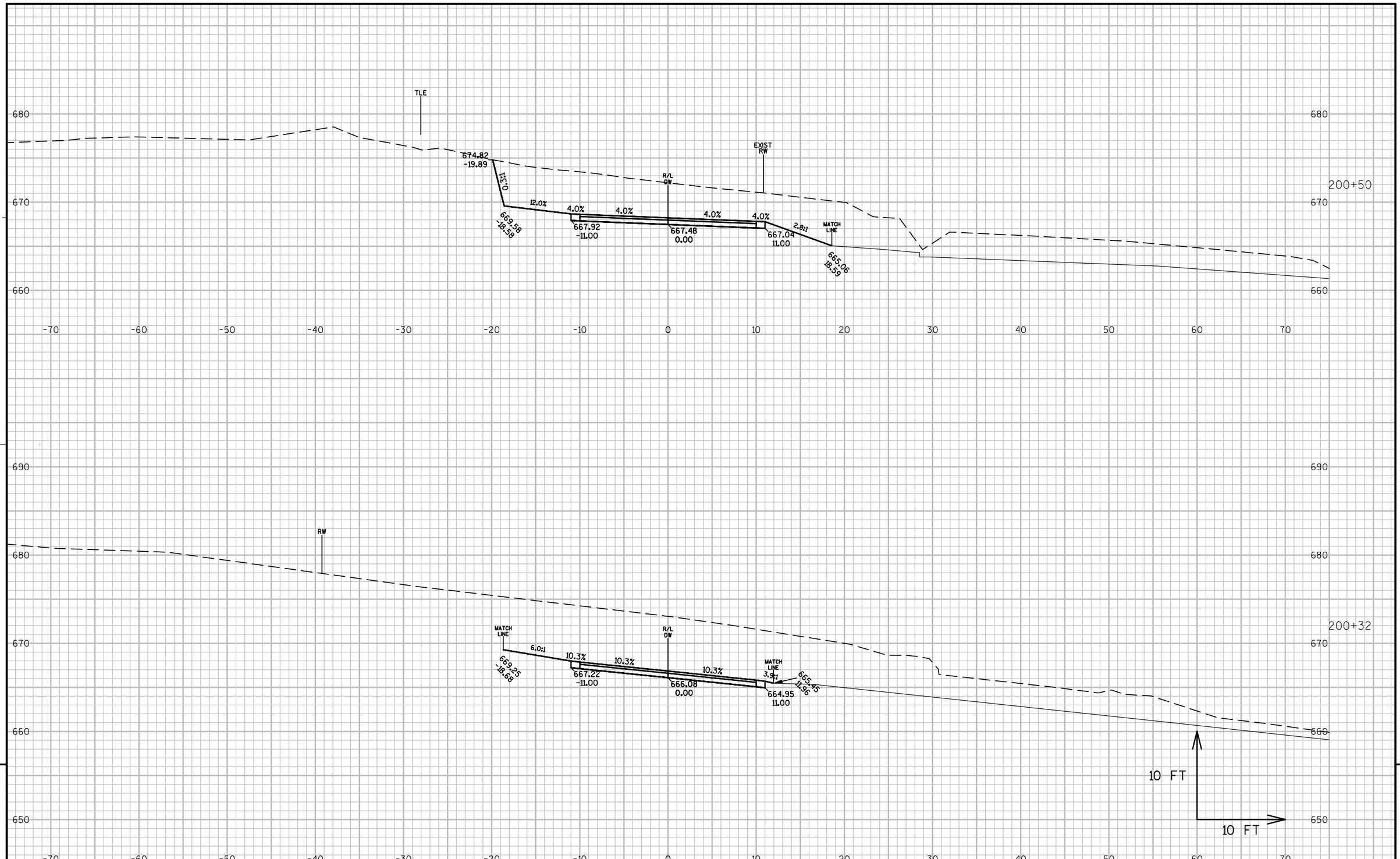


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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: GATEWAY DR	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/19/2015 9:39 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

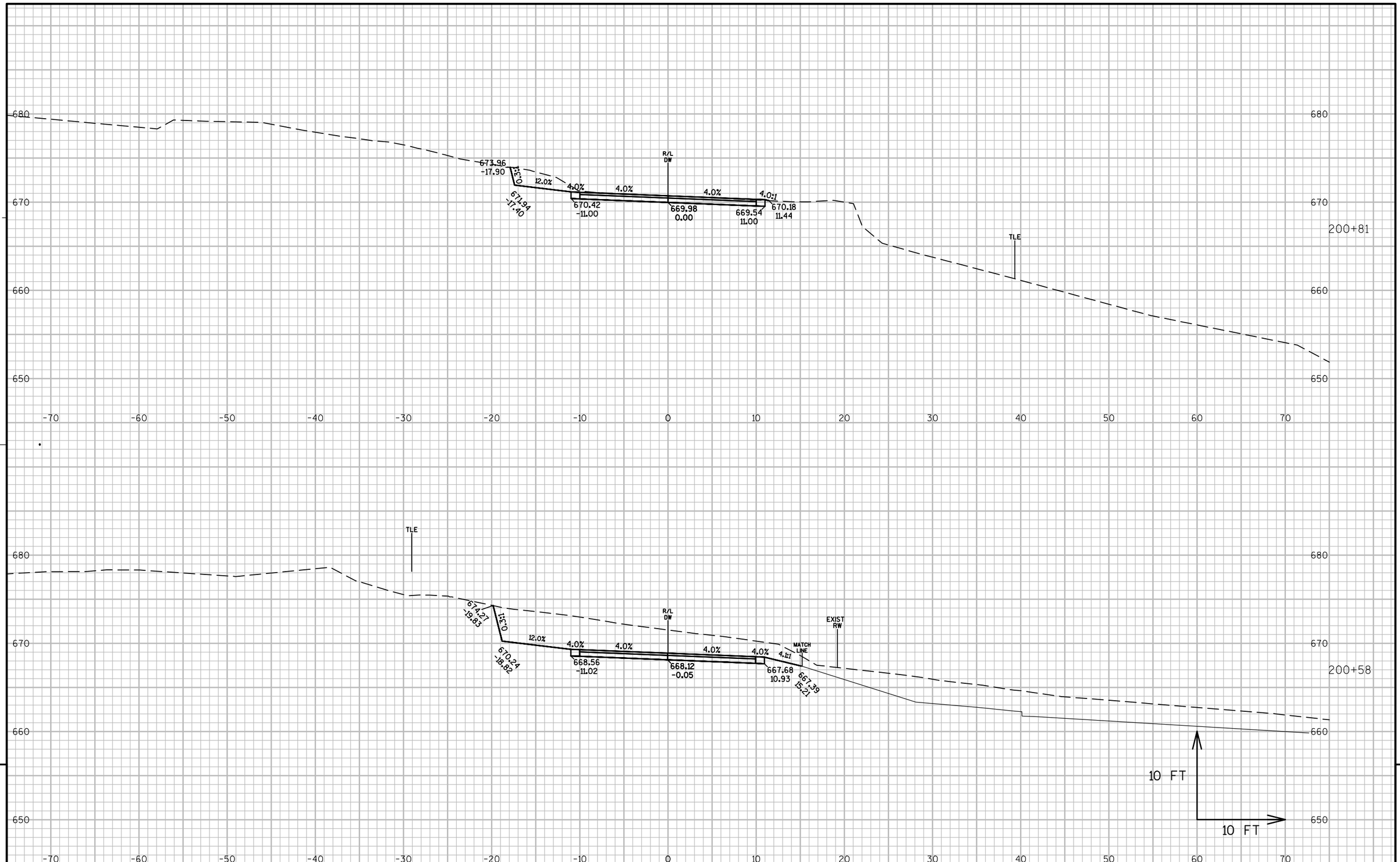


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: DRIVEWAY FOR STH 42 STA 611+44 LT.	SHEET 404 E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG
LAYOUT NAME - 1 - 090505

PLOT DATE : 2/19/2015 9:43 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

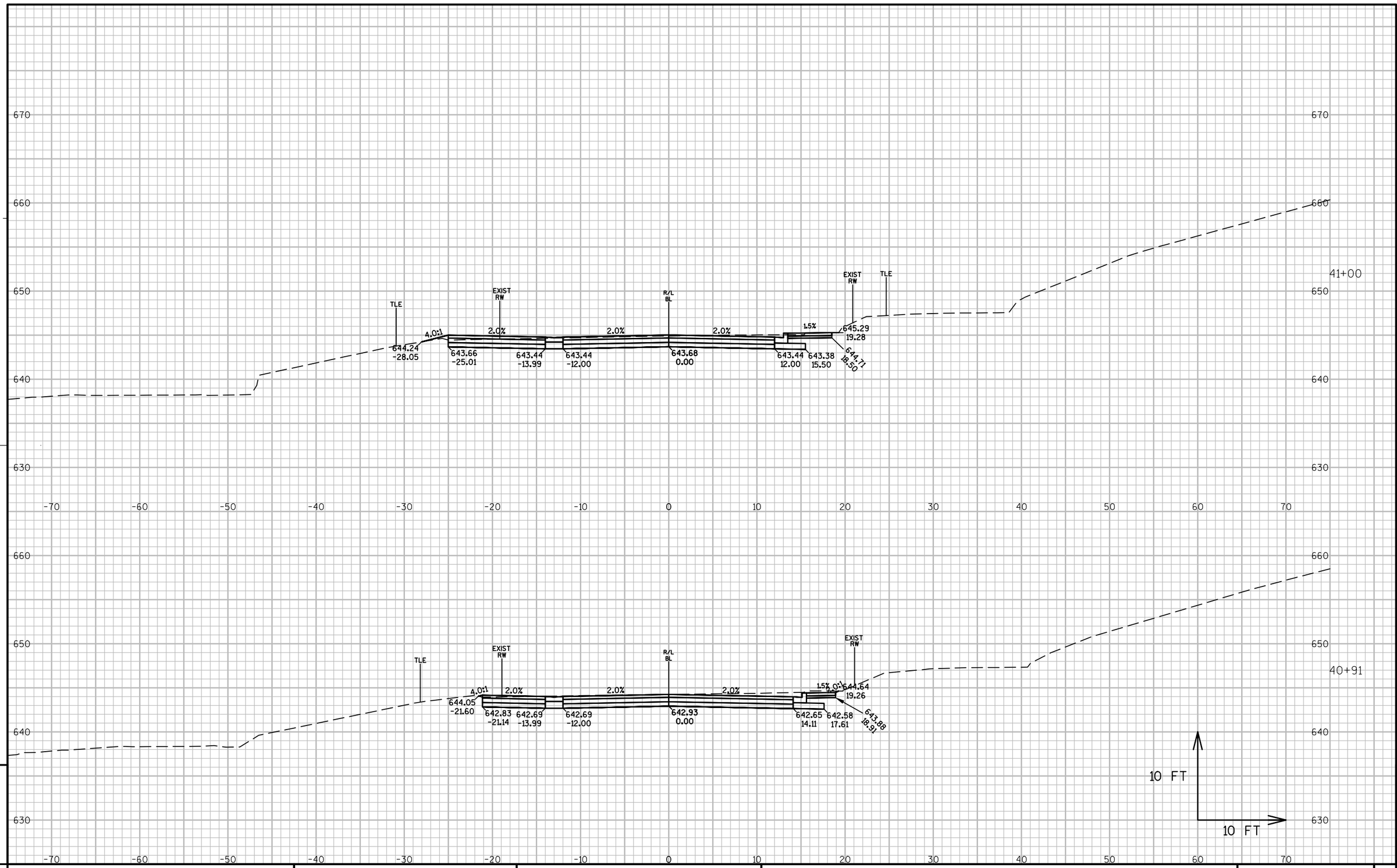


PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: DRIVEWAY FOR STH 42 STA 611+44 LT.	SHEET 405	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG
LAYOUT NAME - 2 - 090506

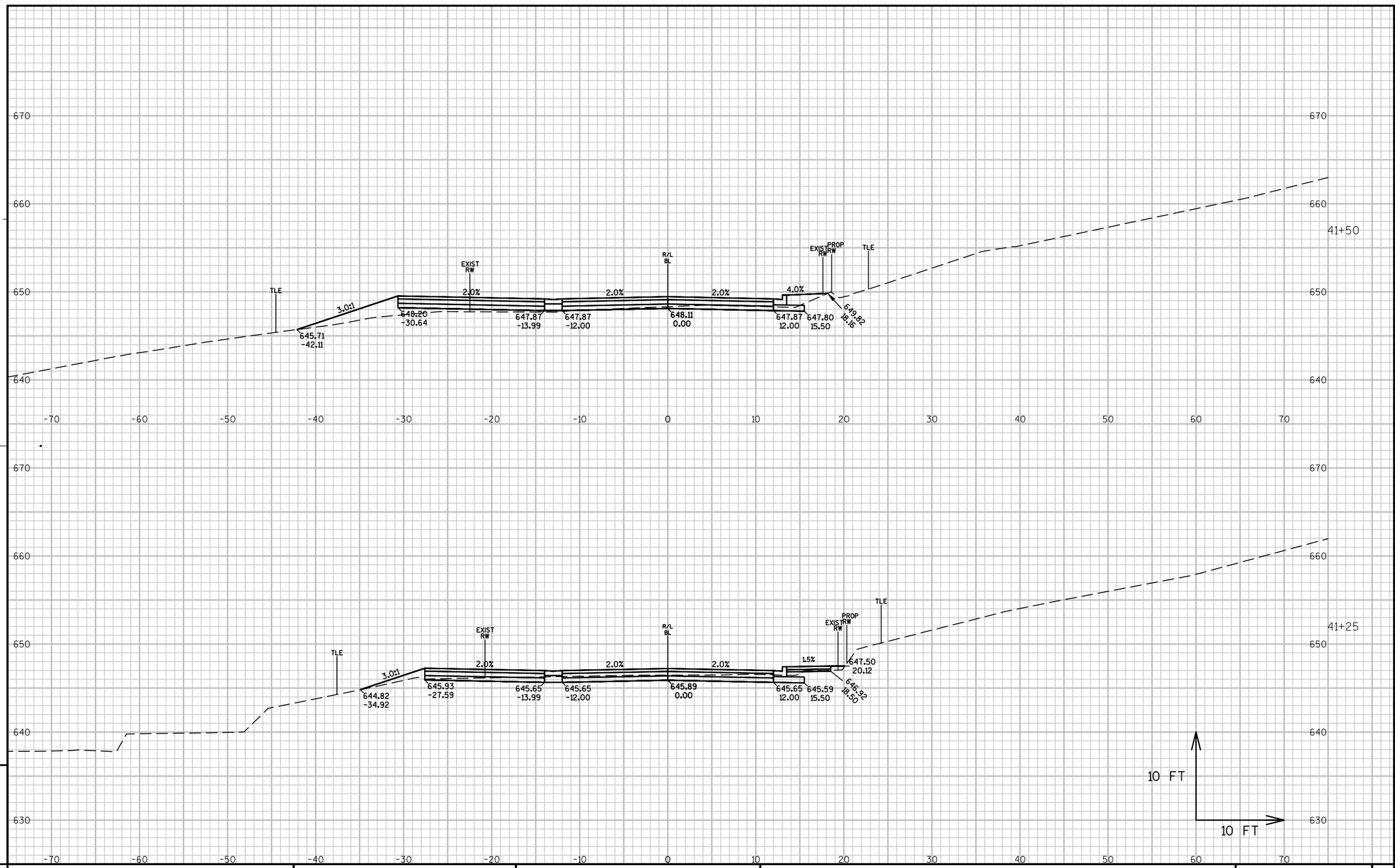
PLOT DATE : 2/19/2015 9:44 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



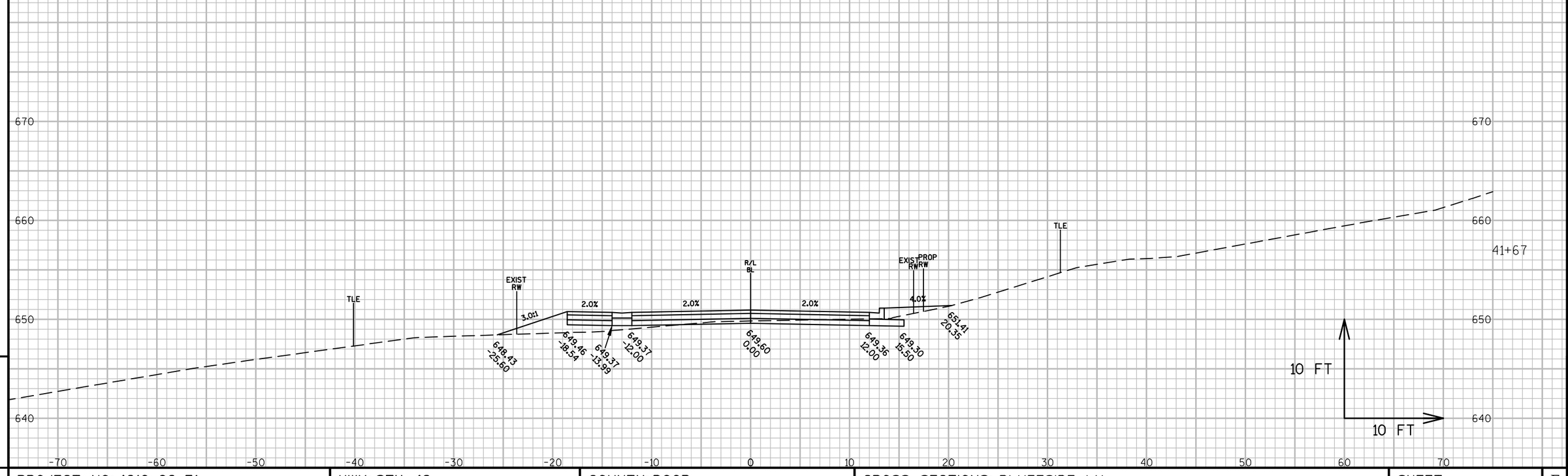
PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: BLUFFSIDE LN	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/19/2015 10:28 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: BLUFFSIDE LN	SHEET	E

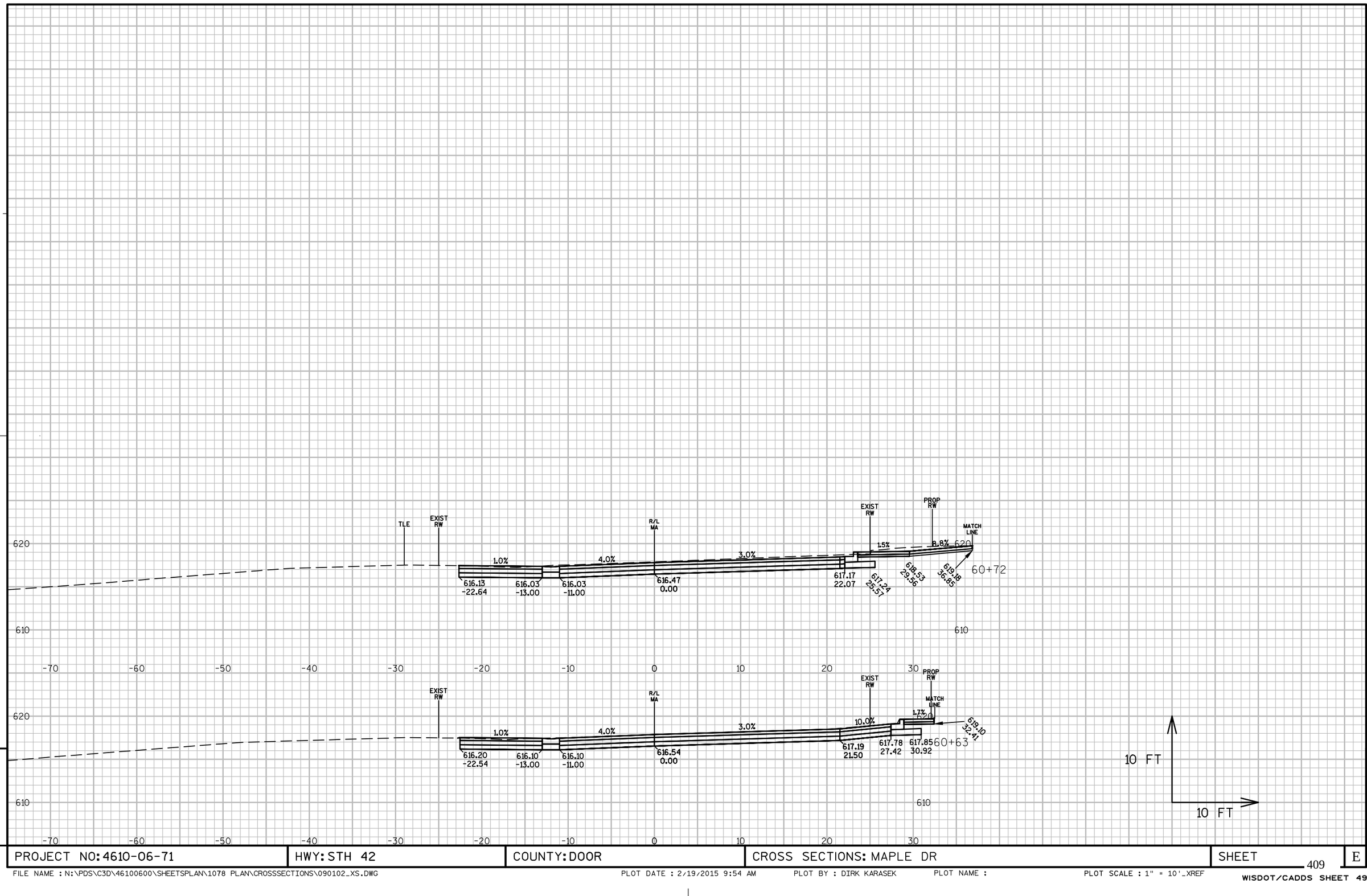
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/19/2015 10:28 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: BLUFFSIDE LN	SHEET 408	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090101_XS.DWG PLOT DATE : 2/19/2015 10:28 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

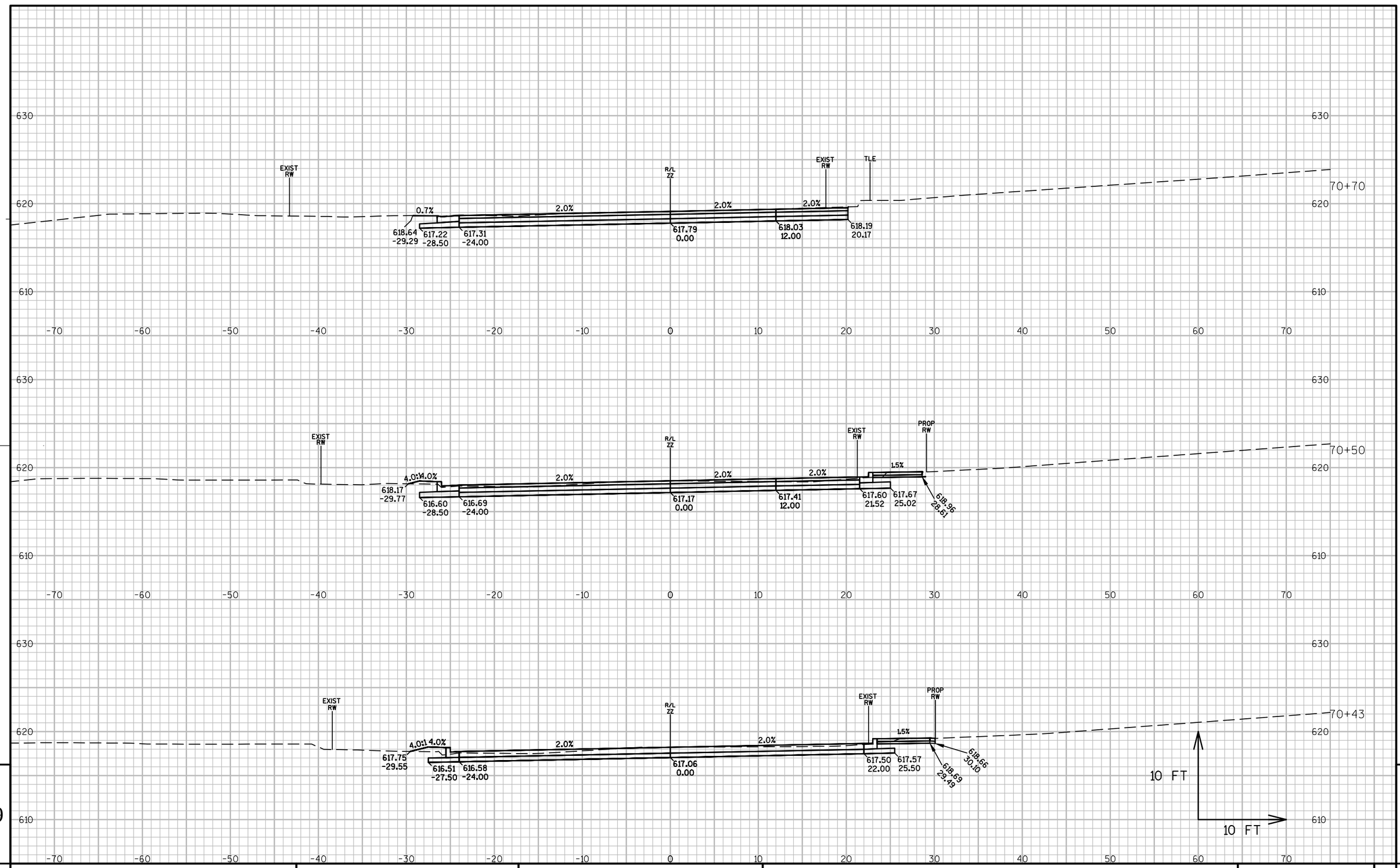


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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: MAPLE DR	SHEET	E

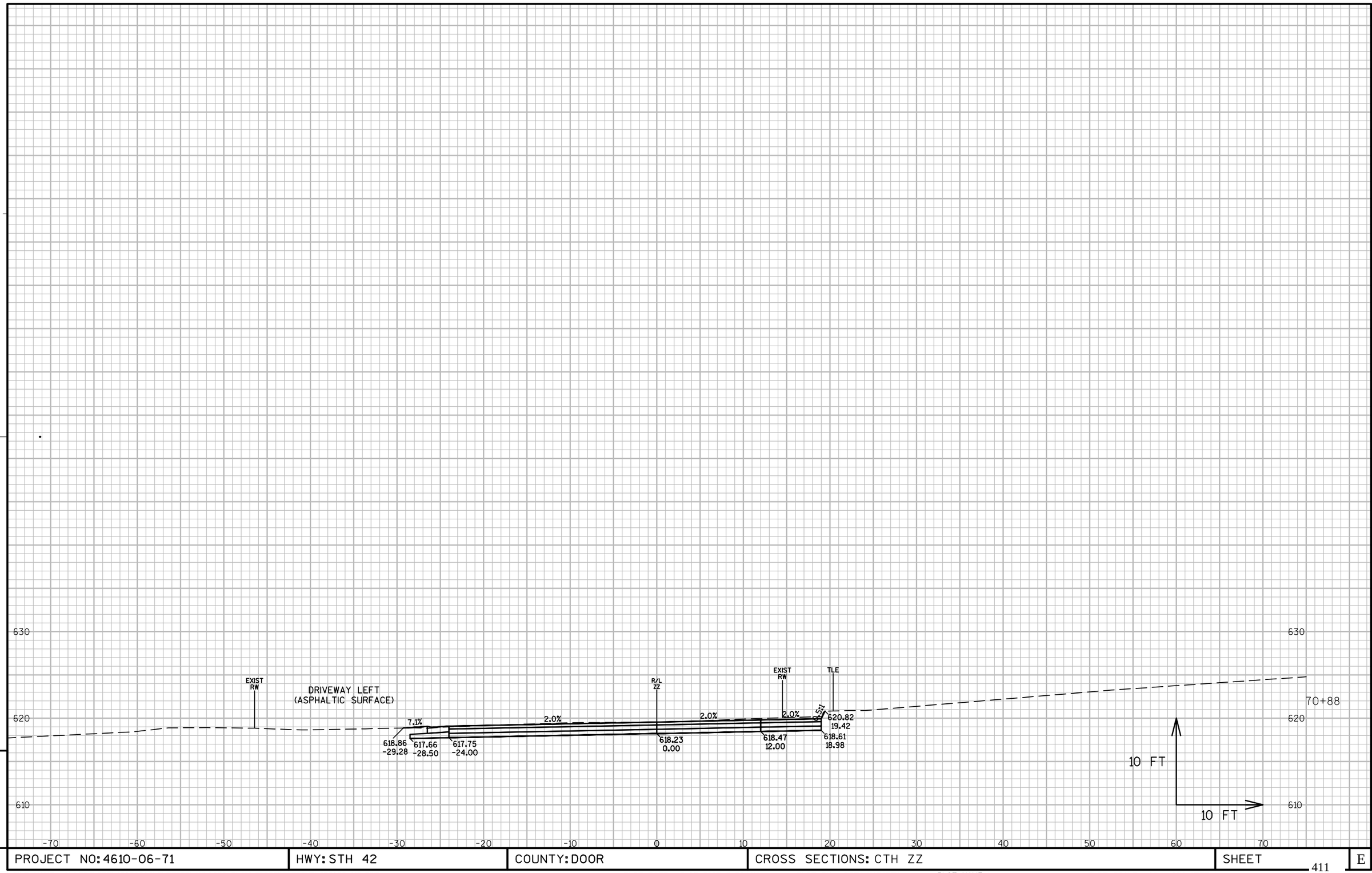
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 9:54 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: CTH ZZ	SHEET 410	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 9:56 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



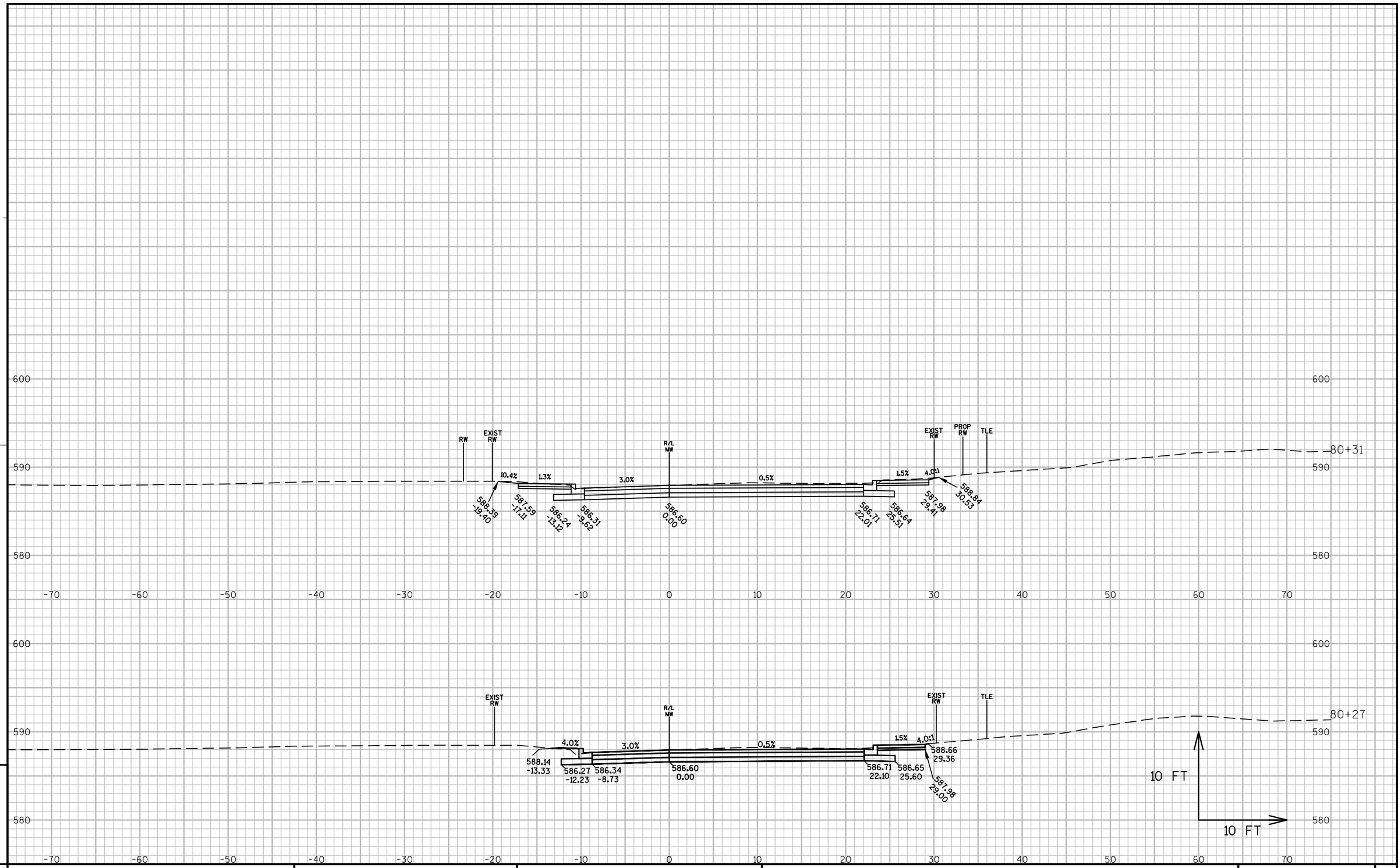
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PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: CTH ZZ	SHEET	E

9

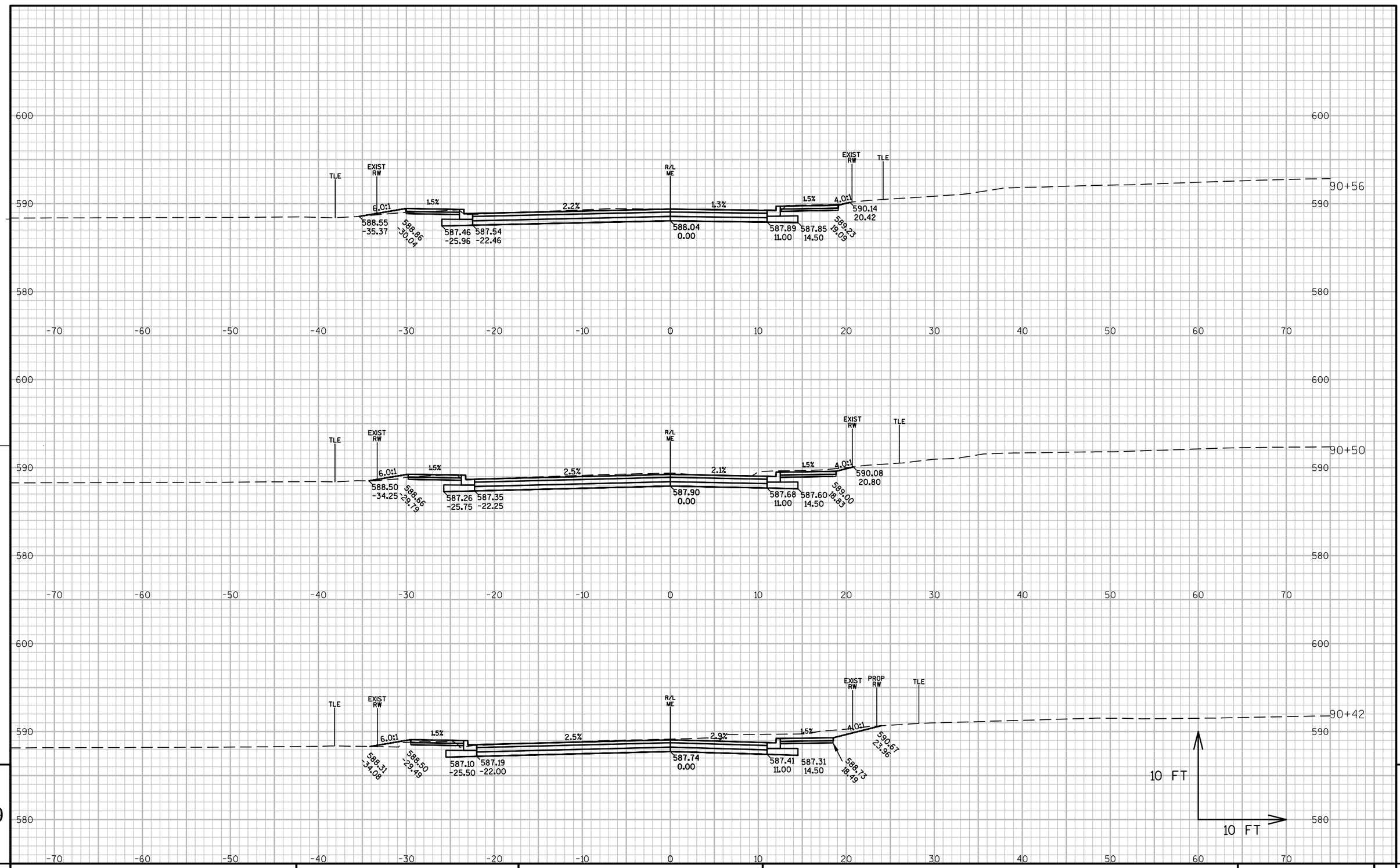
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 9:56 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: MILL RD	SHEET	E

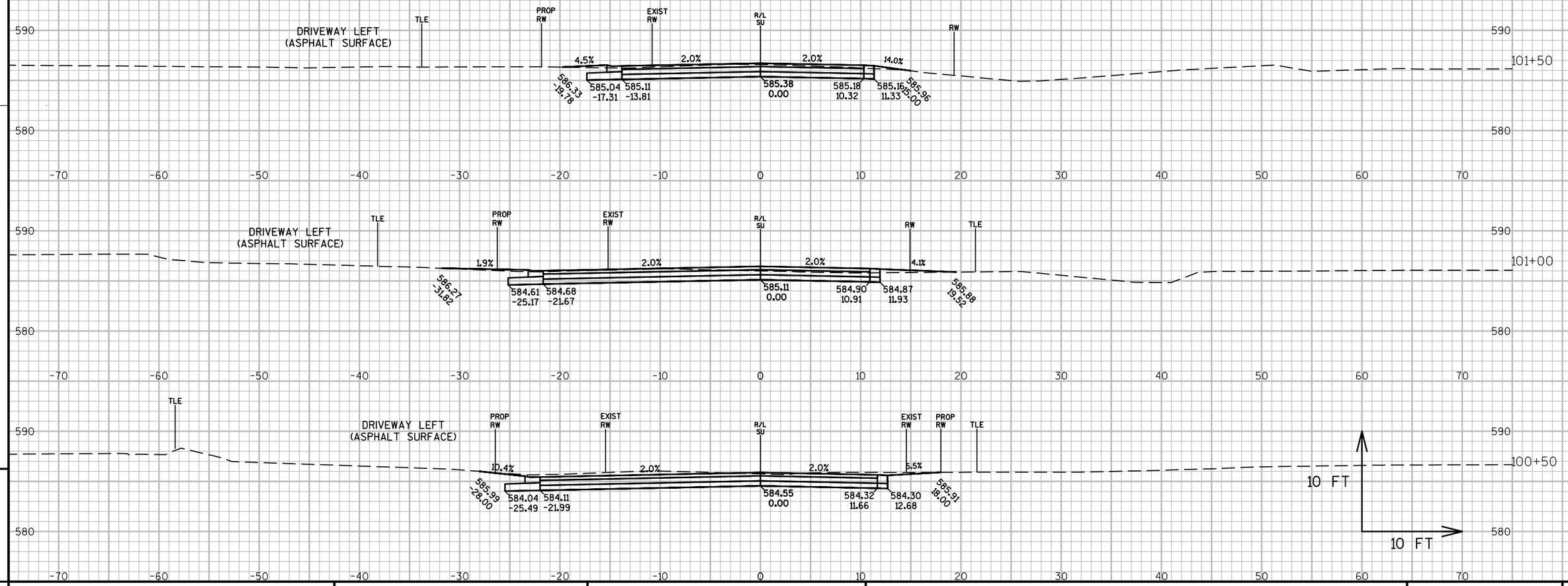
FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 9:58 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: MILL RD	SHEET	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090102_XS.DWG PLOT DATE : 2/19/2015 10:01 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

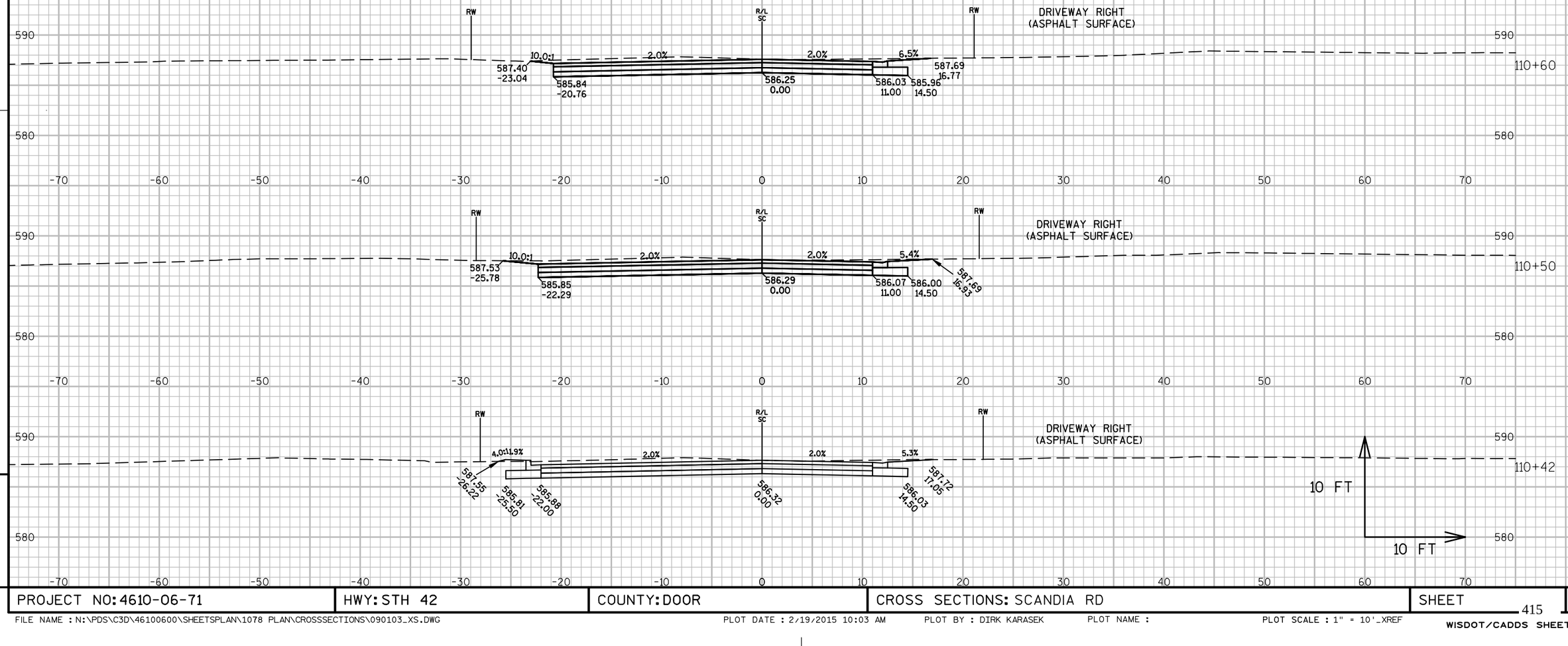
WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SUNSET DR	SHEET 414	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090103_XS.DWG PLOT DATE : 2/19/2015 10:02 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 4610-06-71	HWY: STH 42	COUNTY: DOOR	CROSS SECTIONS: SCANDIA RD	SHEET 415	E

FILE NAME : N:\PDS\C3D\46100600\SHEETSPLAN\1078 PLAN\CROSSSECTIONS\090103_XS.DWG PLOT DATE : 2/19/2015 10:03 AM PLOT BY : DIRK KARASEK PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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