APRIL 2019

ORDER OF SHEETS

Section No. 1 Section No. 2 Typical Sections and Details Estimate of Quantities Section No. 3

Section No. 3 Miscellaneous Quantities

Section No. 4 Right of Way Plat

Section No. 5

Section No. 6 Standard Detail Drawings

Section No. 7

Section No. 9 Computer Earthwork Data

Section No. 9 Cross Sections

TOTAL SHEETS = 242

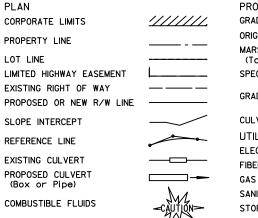
DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

MARSH AREA

WOODED OR SHRUB AREA



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

UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE UTILITY PEDESTAL

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POWER POLE

TELEPHONE POLE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

GIBRALTAR - SISTER BAY

GIBRALTAR RD - COUNTRY WALK DRIVE

STH 42 DOOR COUNTY

STATE PROJECT NUMBER 4140-19-72

R - 27 - E

R - 28 - E



DEPARTMENT OF TRANSPORTATION PREPARED BY

STATE OF WISCONSIN

FEDERAL PROJECT

CONTRACT

PROJECT

STATE PROJECT

4140-19-72

NE REGION Surveyor D. KIRST J. J. ASHAUER J. F. THOMPSON

APPROVED FOR THE DEPARTMENT

DATE: 1/10/19

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

FILE NAME: N:\PDS\C3D\41401972\SHEETSPLAN\010101-TI.DWG

PLOT DATE: 1/7/2019 6:19 AM

PLOT BY : KIRST, DOUGLAS P PLOT NAME :

E

UTILITY CONTACTS COMMUNICATION LINE BRUCE HENRY 1623 BROADWAY AVENUE CHARTER COMMUNICATIONS SHEBOYGAN, WI 53081 (920)907-7720 bruce.henry@charter.com RUSS RYAN COMMUNICATION LINE

FRONTIER COMMUNICATIONS 107 PLEASANTVIEW DRIVE PLYMOUTH. WI 53073 TELEPHONE: (920) 583-3275 Russell.w.ryan@ftr.com

EPHRAIM-FISH CREEK AIRPORT AIRPORT FACILITY PETE NEWKIRK

11472 LAKE VIEW RD ELLISON BAY, WI 54210 TELEPHONE: (920) 854-9711

COMMUNICATION LINE DENNIS LAFAVE NET LEC 1700 INDUSTRIAL DRIVE

GREEN BAY, WI 54302 TELEPHONE: (920) 619-9774 dlafave@mi-tech.us

ELECTRICITY WISCONSIN PUBLIC SERVICE

SCOTT GAUGER 2850 S. ASHLAND AVENUE GREEN BAY, WI 54307

TELEPHONE: (920) 660-0430 SJGauger@wlsconsinpublicservice.com

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rsalfi@ephraim-wisconsin.com



SEWER FISH CREEK SANITARY

JOSEPH BURRESS 3815 COUNTY ROAD F P.O. BOX 55 FISH CREEK, WI 54212 TELEPHONE: (920) 868-3372

SEWER

SISTER BAY SANITARY

MICHAEL SCHELL P.O. Box 91 SISTER BAY, WI 54234 (920) 854-2246 (920) 421-0257 (MOBILE) Mike.schell@sisterbay.wi.gov

WATER SISTER BAY WATER MICHAEL SCHELL P.O. Box 91 SISTER BAY, WI 54234 (920) 854-2246 (920) 421-0257 (MOBILE) Mike.schell@sisterbay.wi.gov

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS FROSION CONTROL REMOVAL PLAN STORM SEWER PERMANENT SIGNING PAVEMENT MARKINGS ALIGNMENT DETAIL

GENERAL NOTES

- 1. NO SHRUBS OR TREES ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER
- 2. EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS OTHERWISE DIRECTED BY THE ENGINEER
- 3. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SUBGRADE SHOULDER POINTS, ARE TO BE RESTORED WITH FERTILIZER, SEED, AND MULCH/EMAT WITHIN 5 CALENDAR DAYS OF FINAL GRADING/TOPSOILING OR AS DIRECTED BY THE ENGINEER.
- THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF
- 5. MODIFICATIONS TO SIDEROAD MILL/OVERLAY LIMITS MUST BE APPROVED BY THE FIELD ENGINEER.
- 6. ALL OPENINGS OF HOLES BELOW SUBGRADE RESULTING FROM REMOVALS AND ABANDONMENTS SHALL BE BACKFILLED WITH GRANULAR BACKFILL. GRANULAR BACKFILL SHALL BE INCLUDED IN THE CONTRACT PRICE OF THE REMOVAL OR ABANDONMENT ITEM.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE.

HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS:

| THICKNESS | LAYERS | ASPHALT MIX BID ITEM |
|-----------|---------------------------|----------------------|
| 2-INCH | ONE 2-INCH UPPER LAYER | 4 LT 58-28 S |
| 4-INCH | ONE 1¾-INCH UPPER LAYER | 4 LT 58-28 S |
| | ONE 21/2-INCH LOWER LAYER | 3 LT 58-28 S |
| 6½-INCH | ONE 2-INCH UPPER LAYER | 4 LT 58-28 S |
| | TWO 21-INCH LOWER LAYERS | ASPHALTIC BASE* |

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

STANDARD ABBREVIATIONS

AEW AGG ASPH APRON END WALL AGGREGATE BASE AGGREGATE DENSE

BAD BM BMP BENCH MARK BEST MANAGEMENT PRACTICES C&G CURB AND GUTTER CENTER OR CONSTRUCTION LINE
CULVERT PIPE CORRUGATED METAL C/L CMCP

CONC CONCRETE CP CPRC

CULVERT PIPE
CULVERT PIPE REINFORCED CONCRETE
CONCRETE SURFACE DRAIN

CSD CY CUBIC YARD DEGREE OF CURVE

DELTA DISCH DISCHARGE EB FE FL HE HMA EASTBOUND FIELD ENTERANCE FLOW LINE HIGH EASEMENT HOT MIX ASPHALT INV INVERT

LENGTH OF CURVE L LHF LP LT M/L LEFT HAND FORWARD LOW POINT LEFT MATCHLINE MIN NB NC NOR MINIMUM NORTHBOUND NORMAL CROWN NORMAL

PAVT PAVEMENT POINT OF CURVE POINT OF COMPOUND CURVE PC PCC PE PGL PRIVATE ENTERANCE

PROFILE GRADE LINE POINT OF INTERSECTION PI PL PLE PRC PRW PROPERTY LINE PERMANENT LIMITED EASEMENT POINT OF REVERSE CURVE PROPOSED RIGHT OF WAY PT POINT OF TANGENT R R/L RADIUS OF CURVE REFERENCE LINE RIGHT OF WAY R/W

RC RCAEW APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE

REQD RHF RO REQUIRED RIGHT HAND FORWARD RRSP RT SALV RAILROAD SPIKE RIGHT SALVAGE

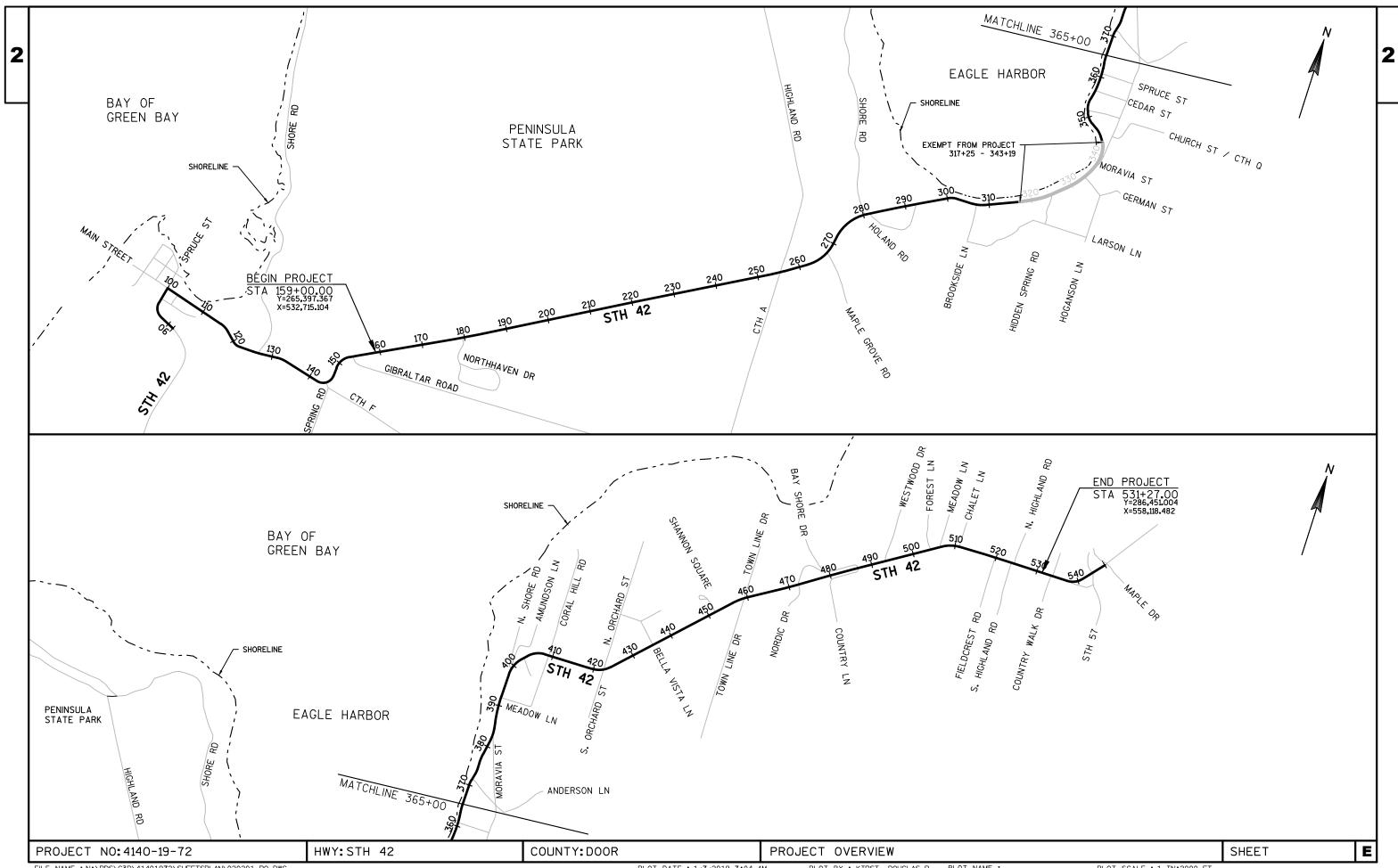
SB SDD SE SF SOUTHBOUND STANDARD DETAIL DRAWING SUPER ELEVATION

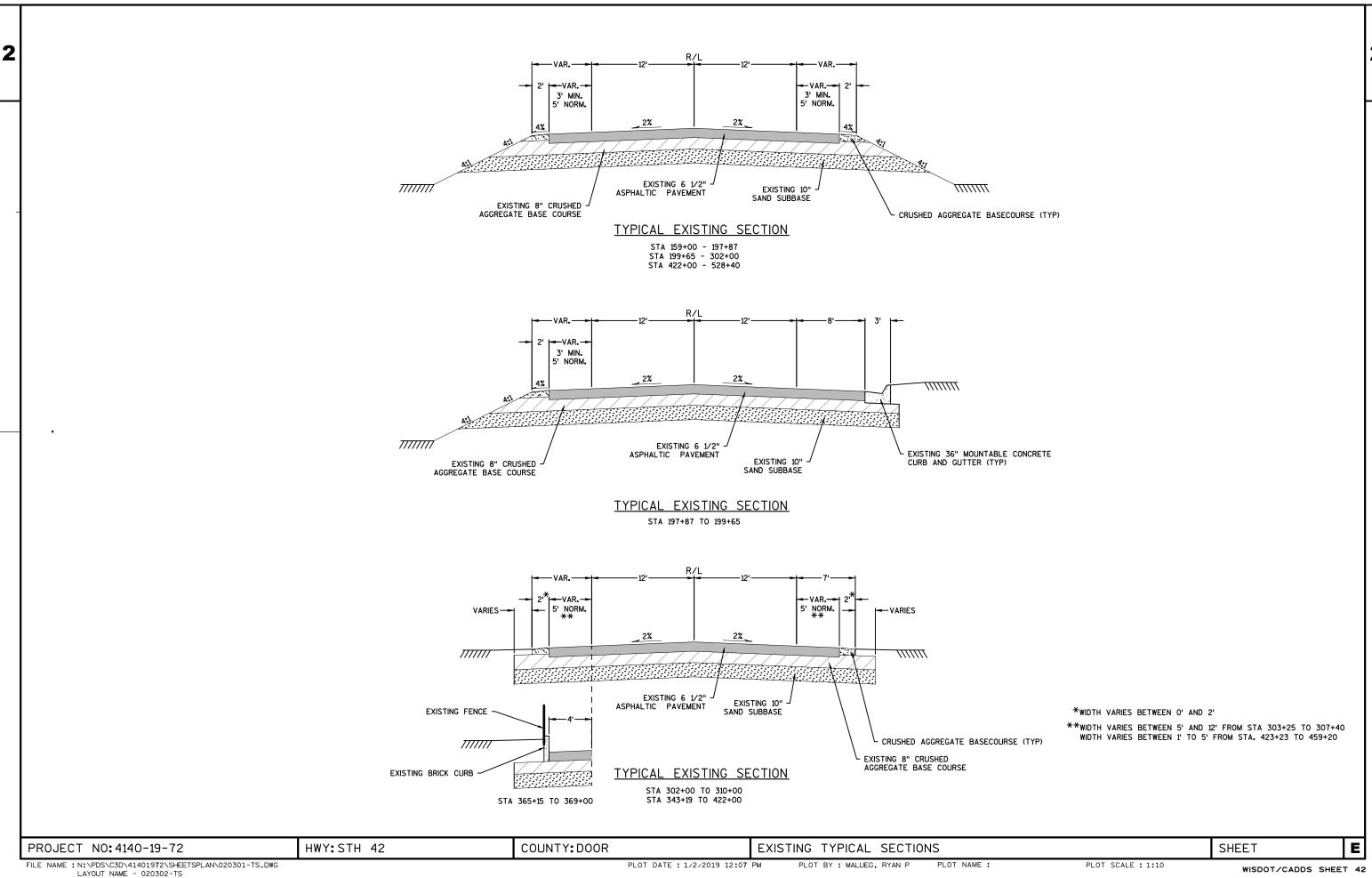
SQUARE FOOT SSPRC STA SY T STORM SEWER PIPE REINFORCED CONCRETE STATION

SQUARE YARD TANGENT LENGTH TEMPORARY LIMITED EASEMENT VERTICAL CURVE LENGTH TLE VCL VPC POINT OF VERTICAL CURVE POINT OF VERTICAL INTERSECTION VPT POINT OF VERTICAL TANGENT

WESTBOUND

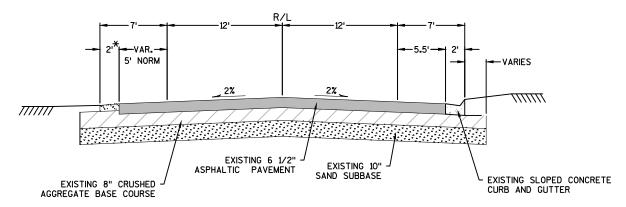
E PROJECT NO: 4140-19-72 HWY: STH 42 COUNTY: DOOR GENERAL NOTES SHEET





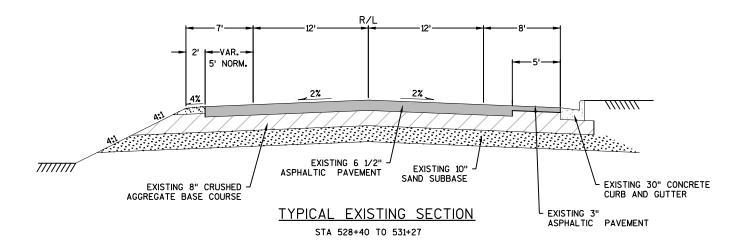
*WIDTH VARIES BETWEEN O' AND 2'

2

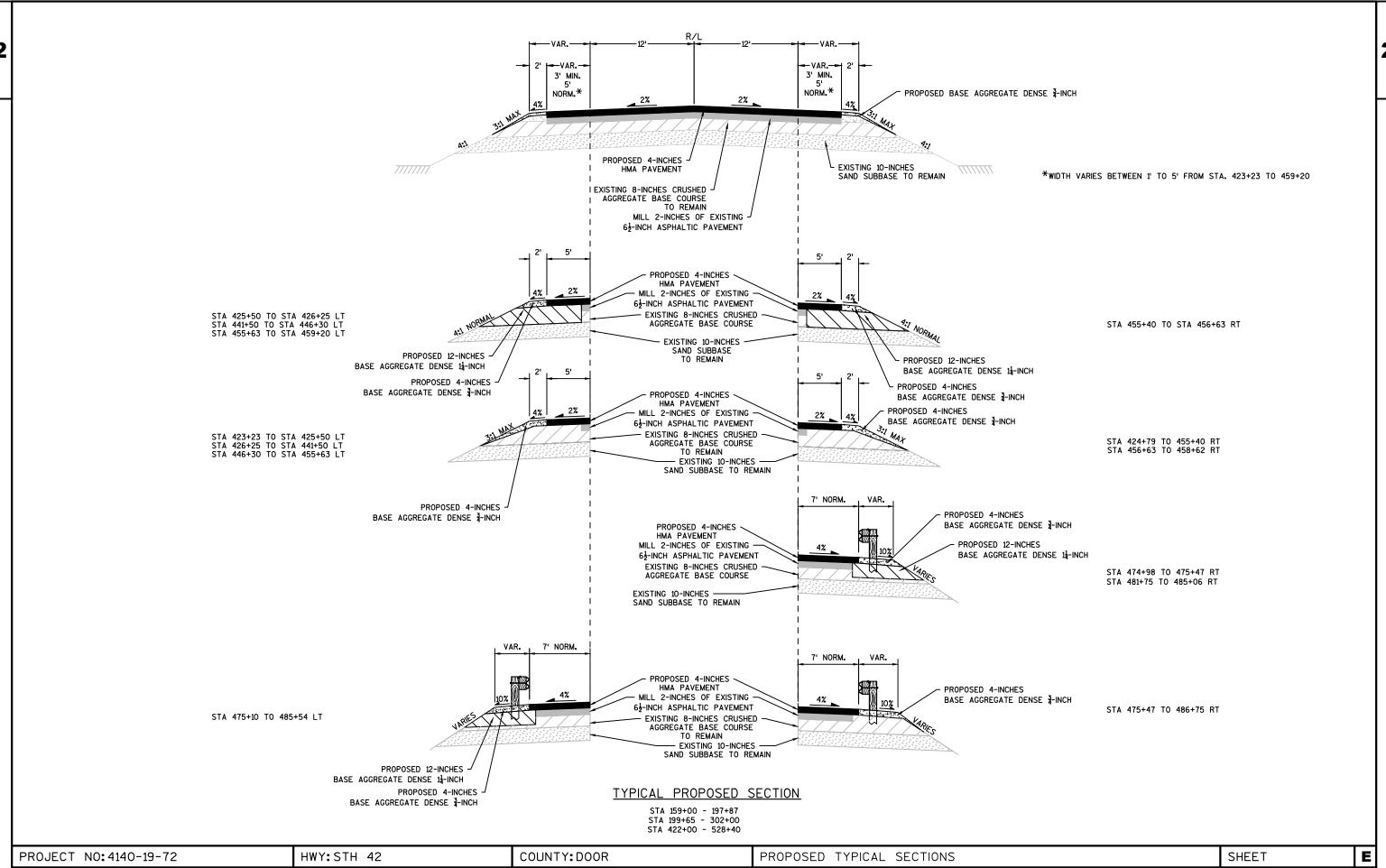


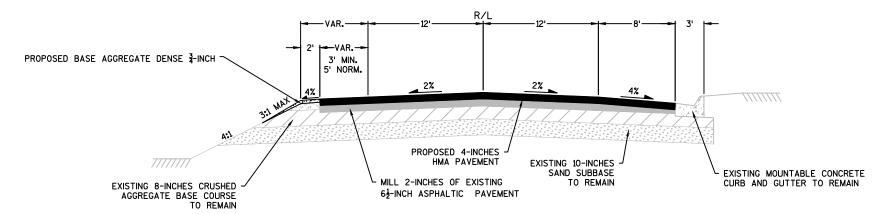
TYPICAL EXISTING SECTION

STA 310+00 TO 317+25



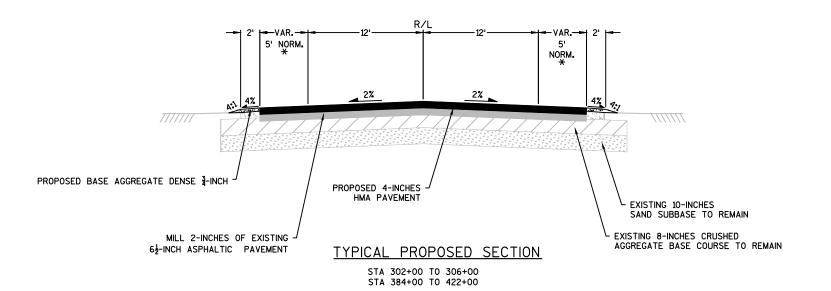
COUNTY: DOOR PROJECT NO: 4140-19-72 HWY:STH 42 SHEET E EXISTING TYPICAL SECTIONS FILE NAME: N:\PDS\C3D\41401972\SHEETSPLAN\020301-TS.DWG LAYOUT NAME - 020302-TS PLOT SCALE : 1:10 PLOT DATE: 1/2/2019 12:07 PM PLOT BY : MALUEG, RYAN P WISDOT/CADDS SHEET 42





TYPICAL PROPOSED SECTION

STA 197+87 TO 199+65



*WIDTH VARIES BETWEEN 5' AND 12' FROM STA 303+25 TO 306+00

FILE NAME: N:\PDS\C3D\41401972\SHEETSPLAN\020401-TS.DWG LAYOUT NAME - 020405-ts

PROJECT NO: 4140-19-72

COUNTY: DOOR PLOT DATE: 1/2/2019 12:07 PM

PROPOSED TYPICAL SECTIONS PLOT BY : MALUEG, RYAN P

PLOT NAME : PLOT SCALE : 1:10

WISDOT/CADDS SHEET 42

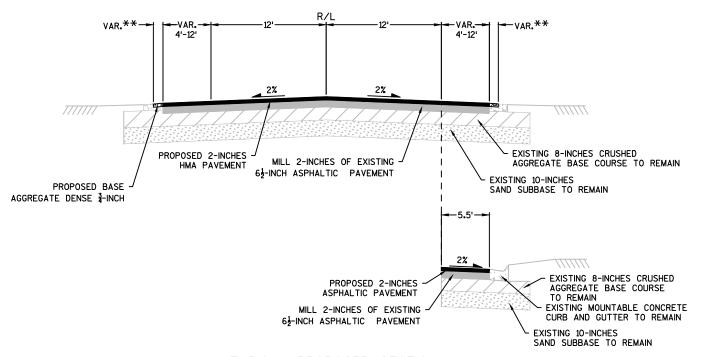
E

SHEET

HWY:STH 42

2

2



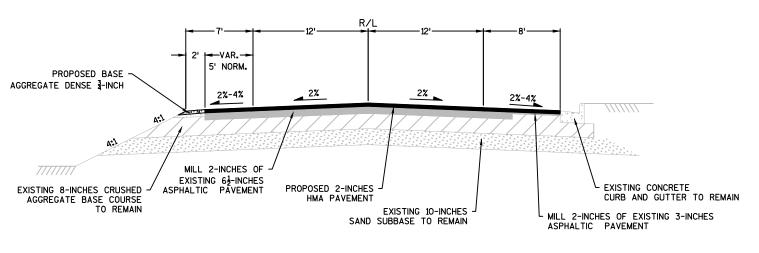
**REPLACE ONLY DISTURBED SHOULDER RESULTING FROM MILLING AND PAVING OPERATIONS WITH BASE AGGREGATE DENSE }-INCH

***LOCALIZED FULL DEPTH ROADWAY REMOVAL FROM STATIONS 347+78-348+15 AND 370+00-371+20 FOR STORM SEWER INSTALLATION. REPLACE WITH 2-INCHES HMA PAVEMENT OVER 4½ INCHES OF ASPHALTIC BASE OVER 12-INCHES OF BASE AGGREGATE DENSE 1½-INCH.

STA 310+00 TO 317+25 RT

TYPICAL PROPOSED SECTION

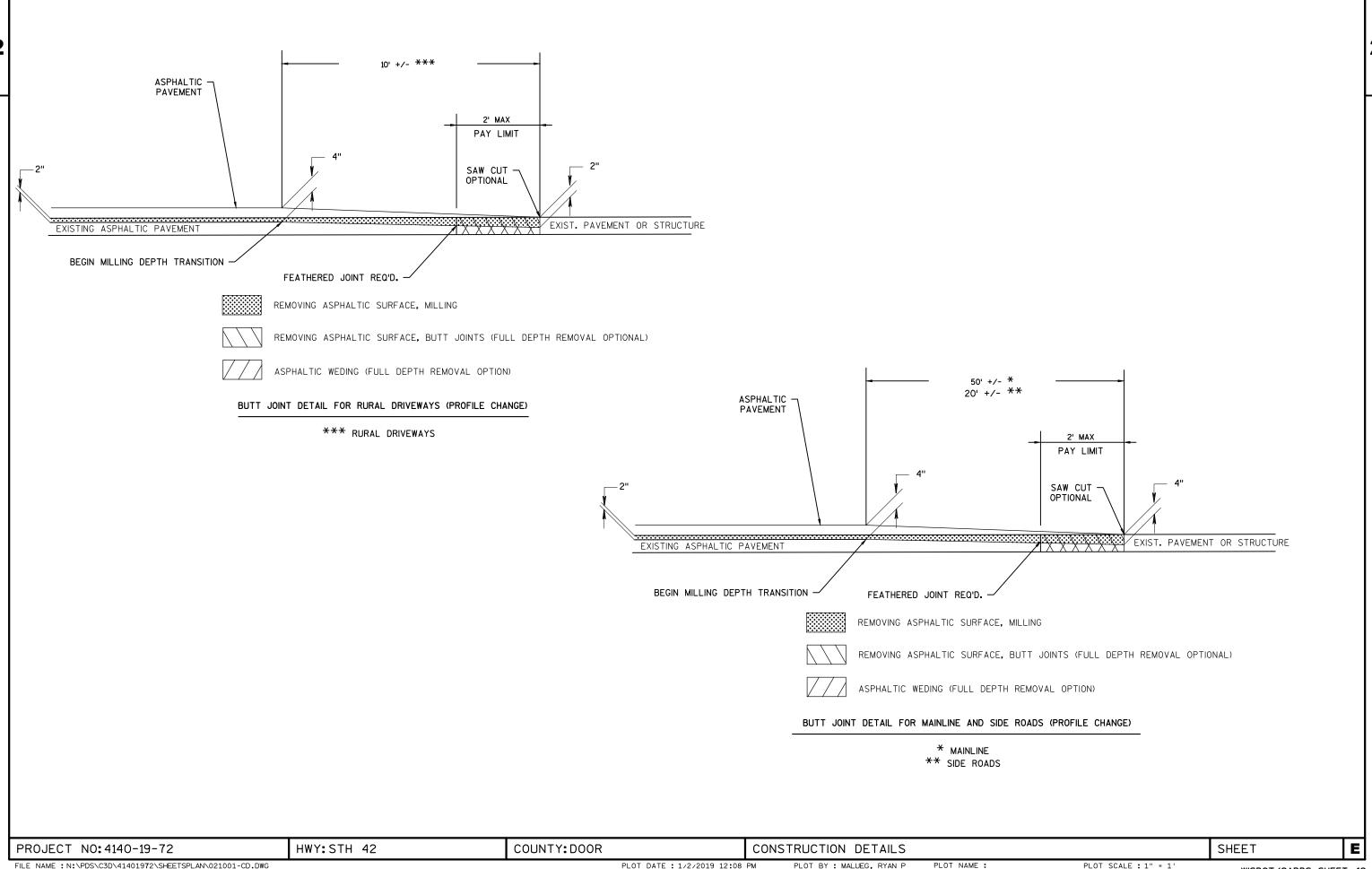
STA 306+00 TO 317+25 STA 343+19 TO 384+00***



TYPICAL PROPOSED SECTION

STA 528+40 TO 531+27

PROJECT NO:4140-19-72 HWY:STH 42 COUNTY:DOOR PROPOSED TYPICAL SECTIONS SHEET



FILE NAME: N:\PDS\C3D\41401972\SHEETSPLAN\021001-CD.DWG LAYOUT NAME - 021001-CD

PLOT DATE: 1/2/2019 12:08 PM

PLOT BY : MALUEG, RYAN P

PLOT SCALE : 1" = 1'



● SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

REMOVING ASPHALTIC SURFACE, MILLING

REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)

FEATHERED JOINT REQ'D -

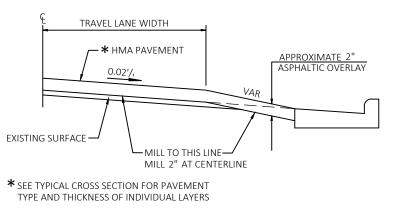


PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN HMA PAVEMENTS

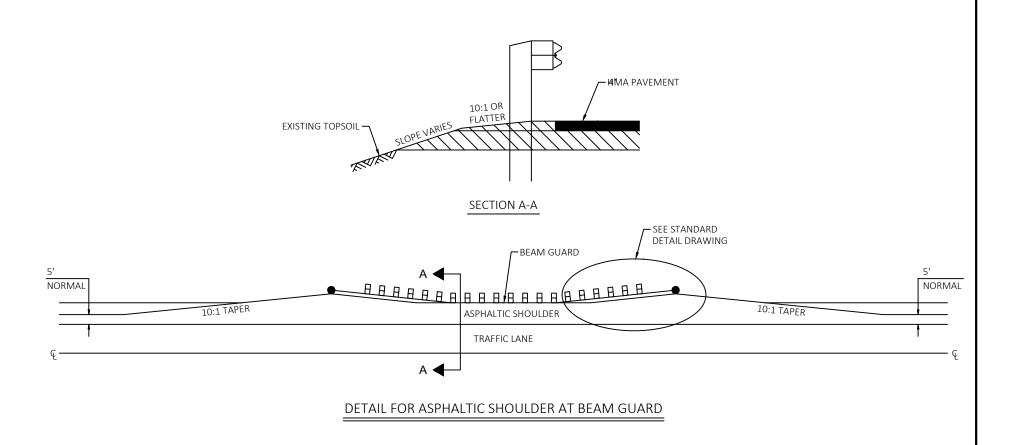
LONGITUDINAL LANE JOINT -

TEMPORARY PAVEMENT

MARKING 4-INCH



TYPICAL CROSS SECTION WITH CURB & GUTTER (MILLED)

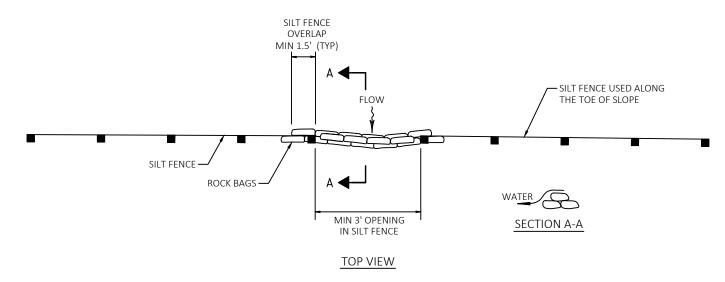


PROJECT NO: 4140-19-72 HWY:STH 42 COUNTY: DOOR SHEET E CONSTRUCTION DETAILS

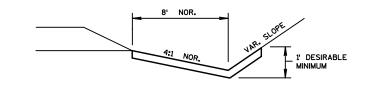
RUNOFF COEFFICIENT TABLE

| | | HYDROLOGIC SOIL GROUP | | | | | | | | | | |
|-----------------------|-------------------------------|-----------------------|-----------------------|------------|-----------------------|------------|------------|-----------------------|------------|------------|------------|------------|
| | A | | | В | | | С | | | 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 | .16 .30 | .22 .38 | .12 | .20 .34 | .27 .44 | .15 | .24 .37 | .33 .50 | .19 | .28 .41 | .38 .56 |
| MEDIAN STRIP- TURF | .19 .24 | .20 .26 | .24 | .19 .25 | .22 | .26 .33 | .20 .26 | .23 .30 | .30 .37 | .20 .27 | .25 | .30 .40 |
| SIDE SLOPE- TURF | | | .25 .32 | | | .27 .34 | | | .28 .36 | | | .30 .38 |
| PAVEMENT: | | | | | | | | | | | | |
| ASPHALT | ASPHALT .7095 | | | | | | | | | | | |
| CONCRETE | CONCRETE .8095 | | | | | | | | | | | |
| BRICK | .7080 | | | | | | | | | | | |
| DRIVES, WALKS | VES, WALKS .7585 | | | | | | · | | | | | |
| R00FS | .7595 | | | | | | | | | | | |
| GRAVEL ROADS, | GRAVEL ROADS, SHOULDERS .4060 | | | | | | | | | | | |

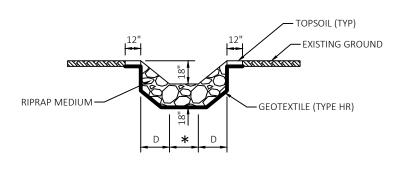
TOTAL PROJECT AREA = 71.670 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 33.241 ACRES



ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL



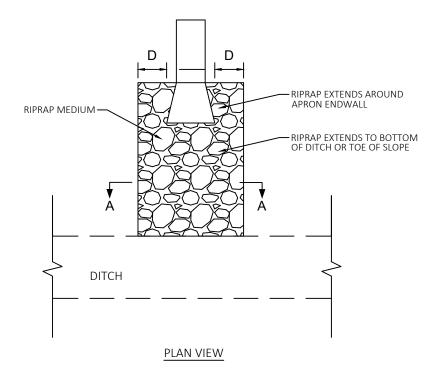
EROSION MAT DETAIL FOR DITCHES



SECTION A-A

★ APRON ENDWALL WIDTH

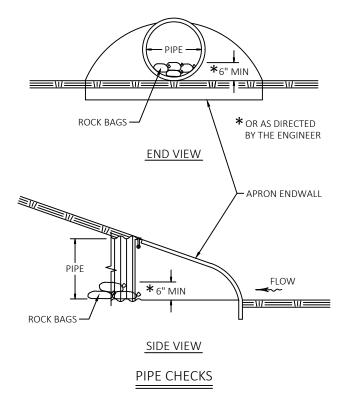
D = PIPE DIAMETER

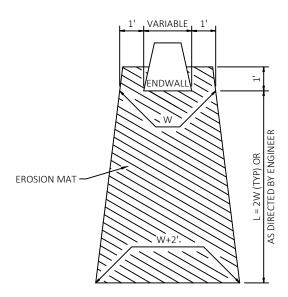


RIPRAP TREATMENT AT STORM SEWER OUTFALLS

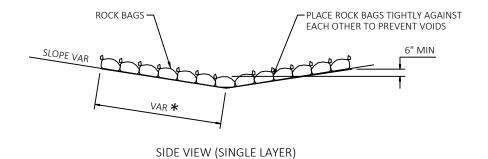
PLOT NAME :

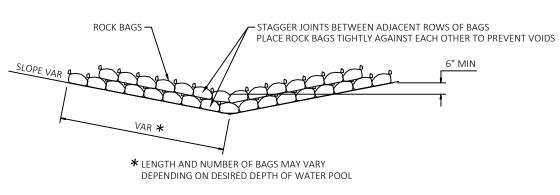
PROJECT NO:4140-19-72 HWY:STH 42 COUNTY:DOOR CONSTRUCTION DETAILS SHEET **E**





EROSION MAT TREATMENT AT CULVERTS





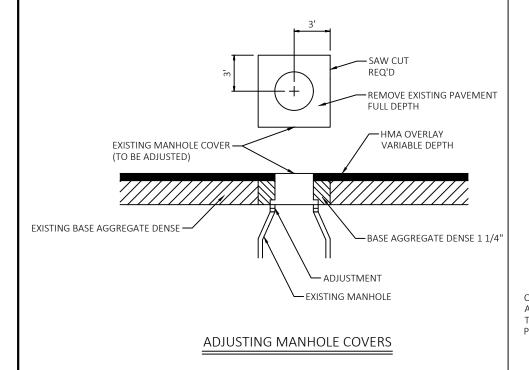
SIDE VIEW (MULTIPLE LAYER)

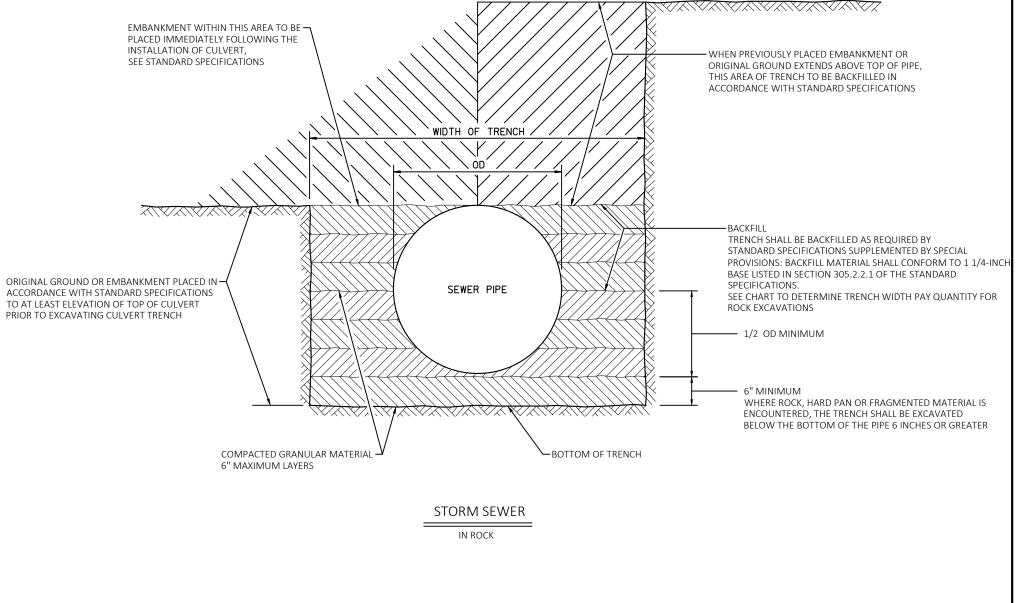
ROCK BAGS DITCH CHECK

PAID AS ROCK BAGS PROJECT NO: 4140-19-72 HWY:STH 42 COUNTY: DOOR SHEET E CONSTRUCTION DETAILS FILE NAME: N:\PDS\C3D\41401972\SHEETSPLAN\021001-CD.DWG LAYOUT NAME - 021004-CD PLOT DATE: 1/2/2019 12:08 PM PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1" = 1' WISDOT/CADDS SHEET 42

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

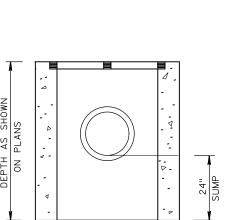
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



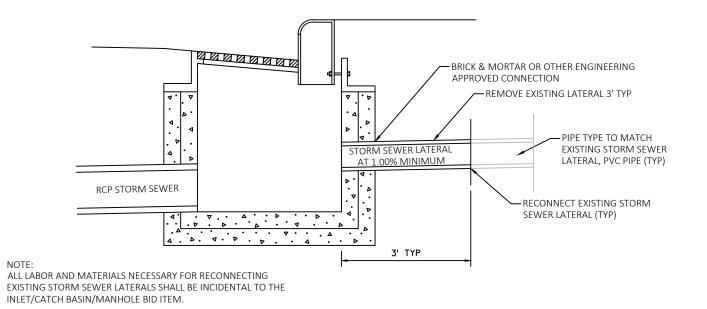


PROJECT NO: 4140-19-72 HWY:STH 42 COUNTY: DOOR CONSTRUCTION DETAILS SHEET E FILE NAME: N:\PDS\C3D\41401972\SHEETSPLAN\021001-CD.DWG LAYOUT NAME - 021005-CD PLOT BY : MALUEG, RYAN P PLOT NAME : PLOT SCALE : 1" = 1'

2

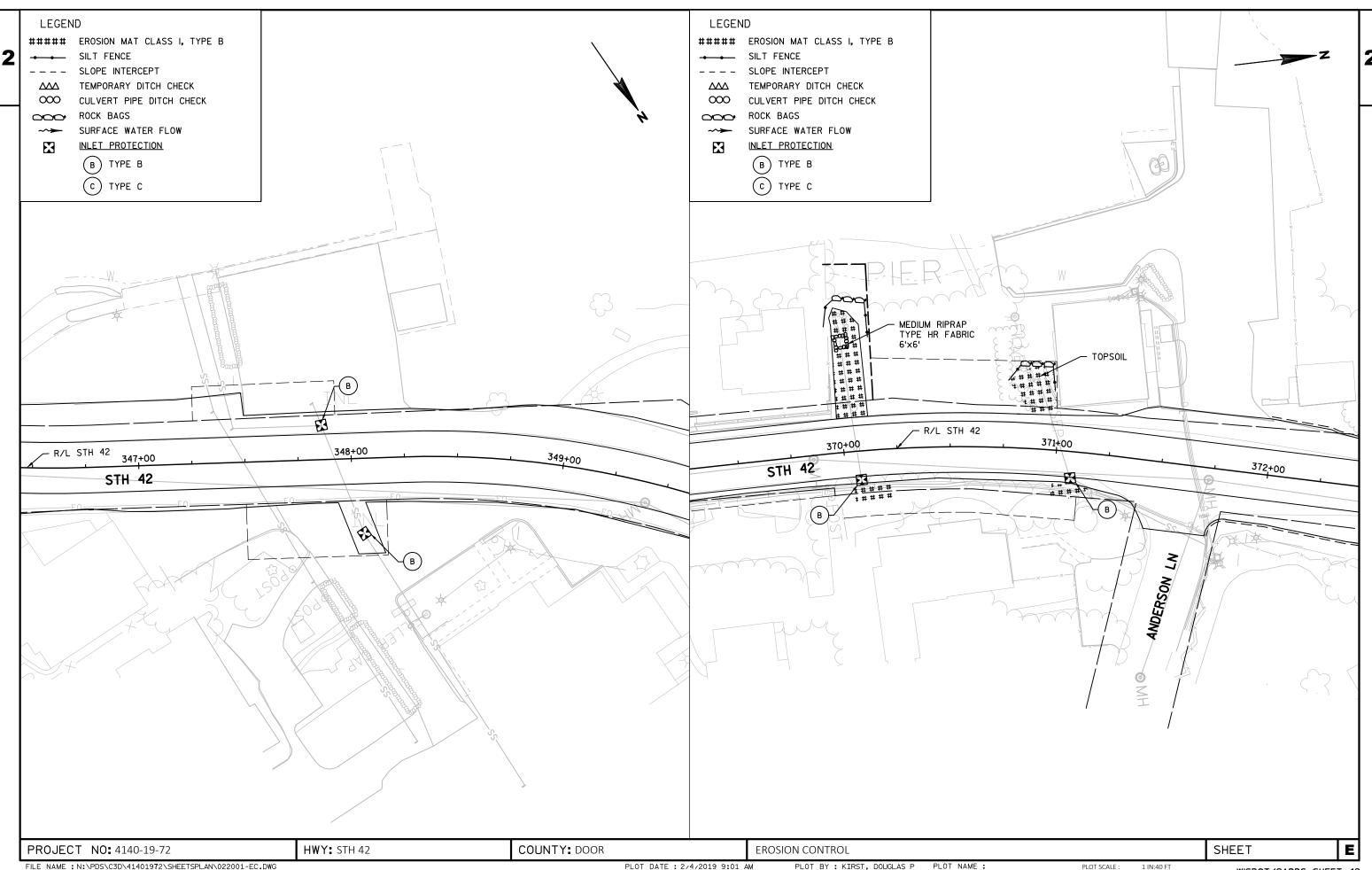


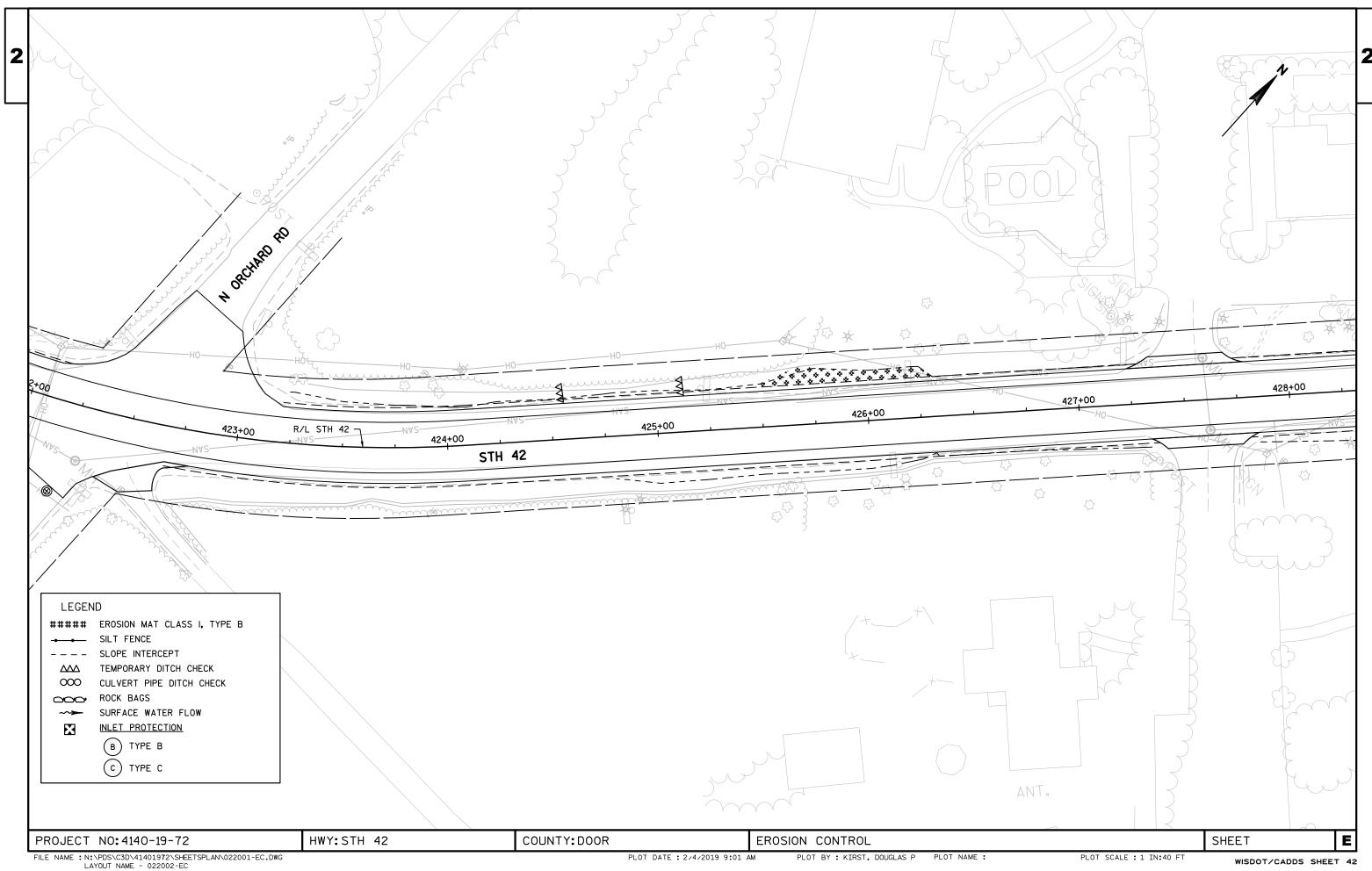
MEDIAN GRATE, TYPE 1 SPECIAL FOR ADDITIONAL DETAILS SEE S.D.D.

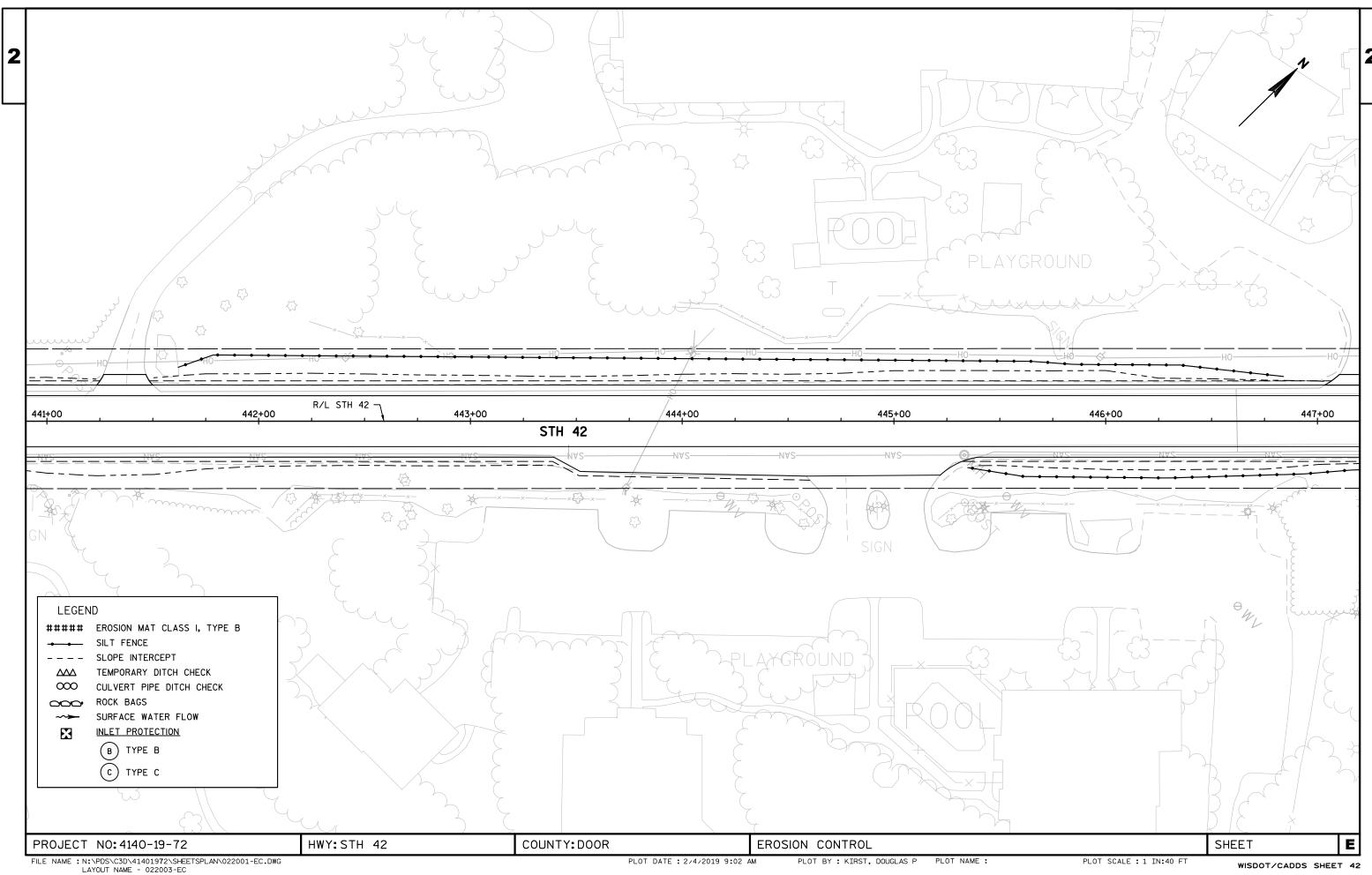


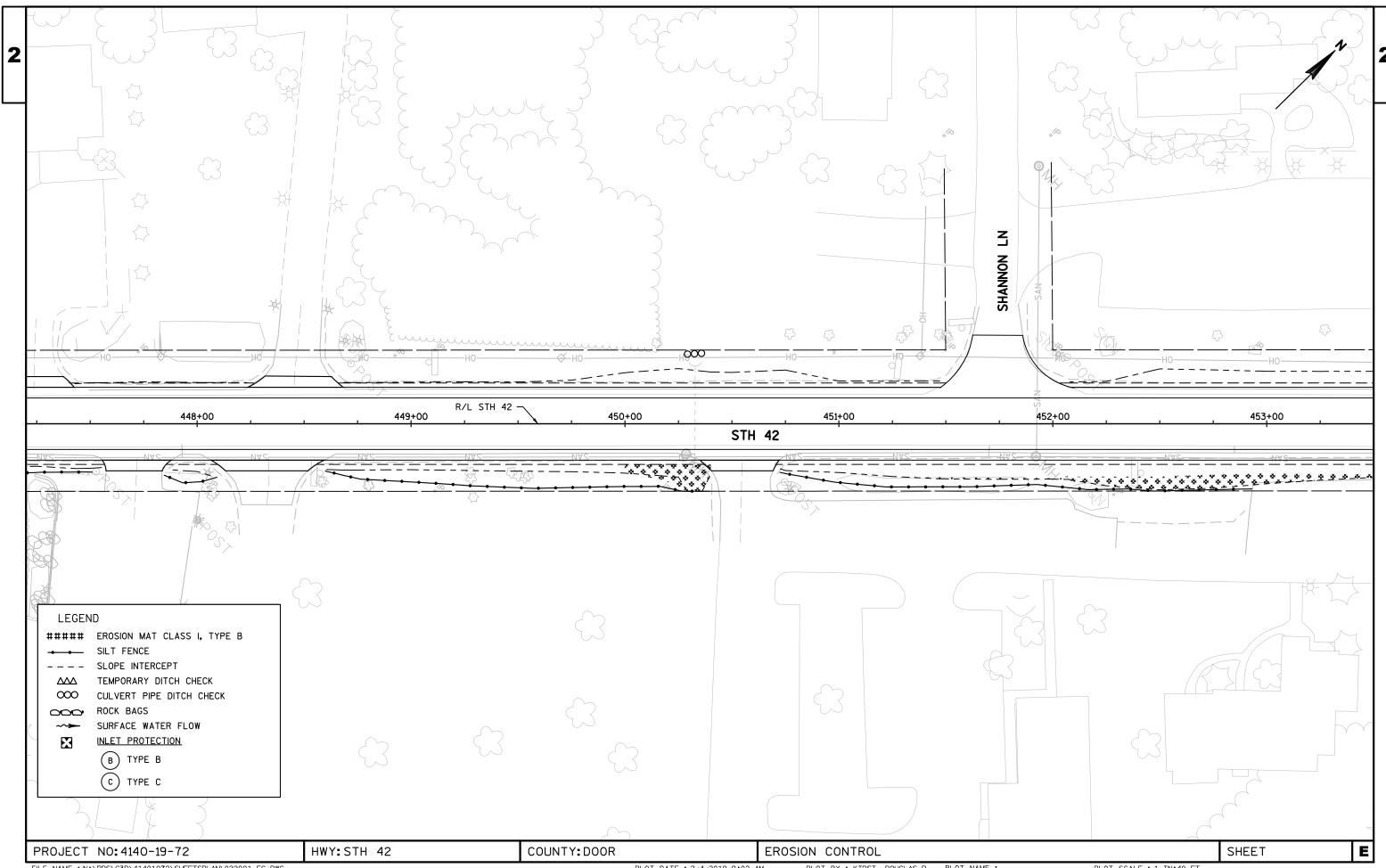
RECONNECT EXISTING STORM SEWER LATERAL DETAIL

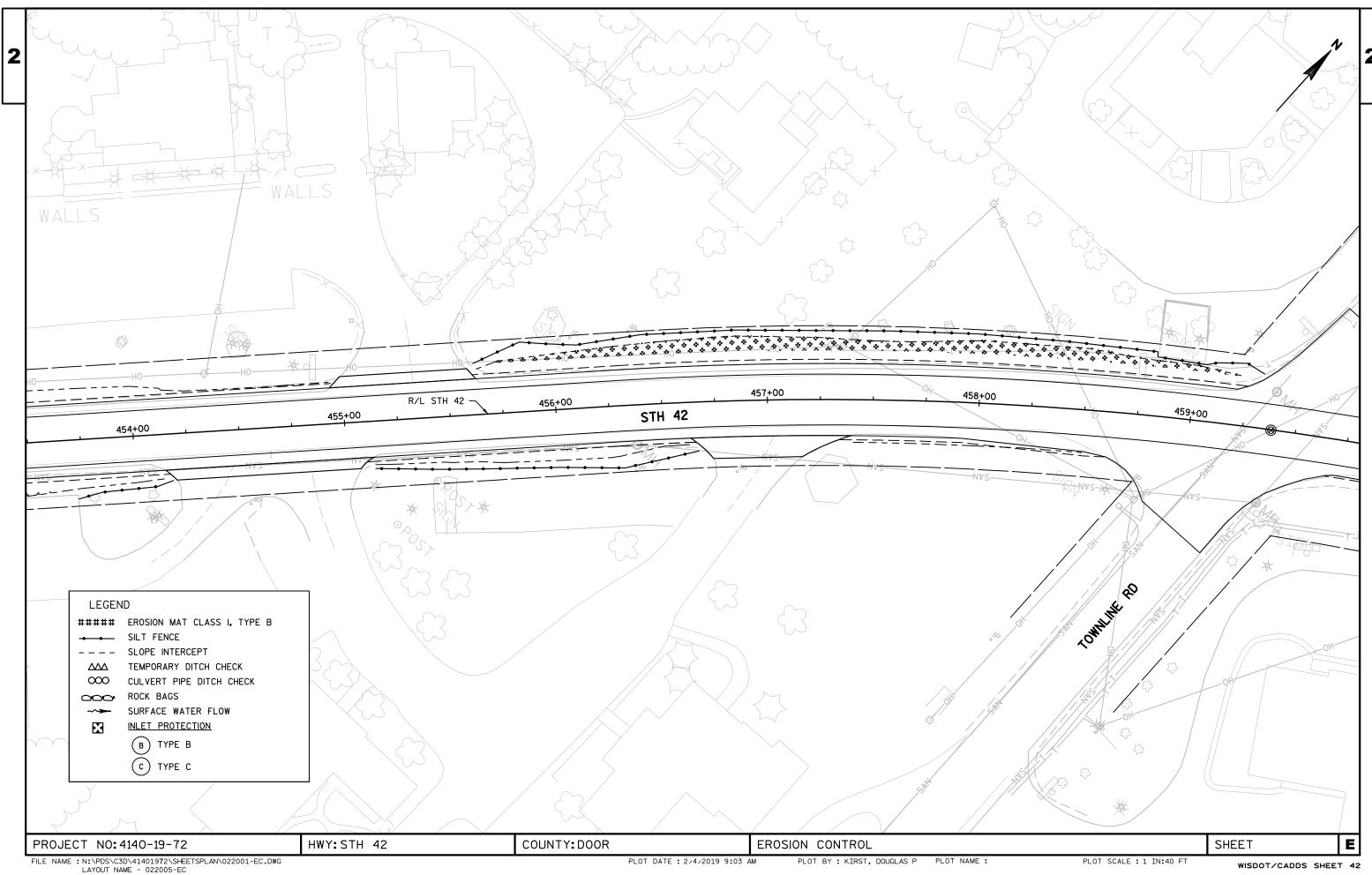
PROJECT NO:4140-19-72 HWY:STH 42 COUNTY:DOOR CONSTRUCTION DETAILS SHEET

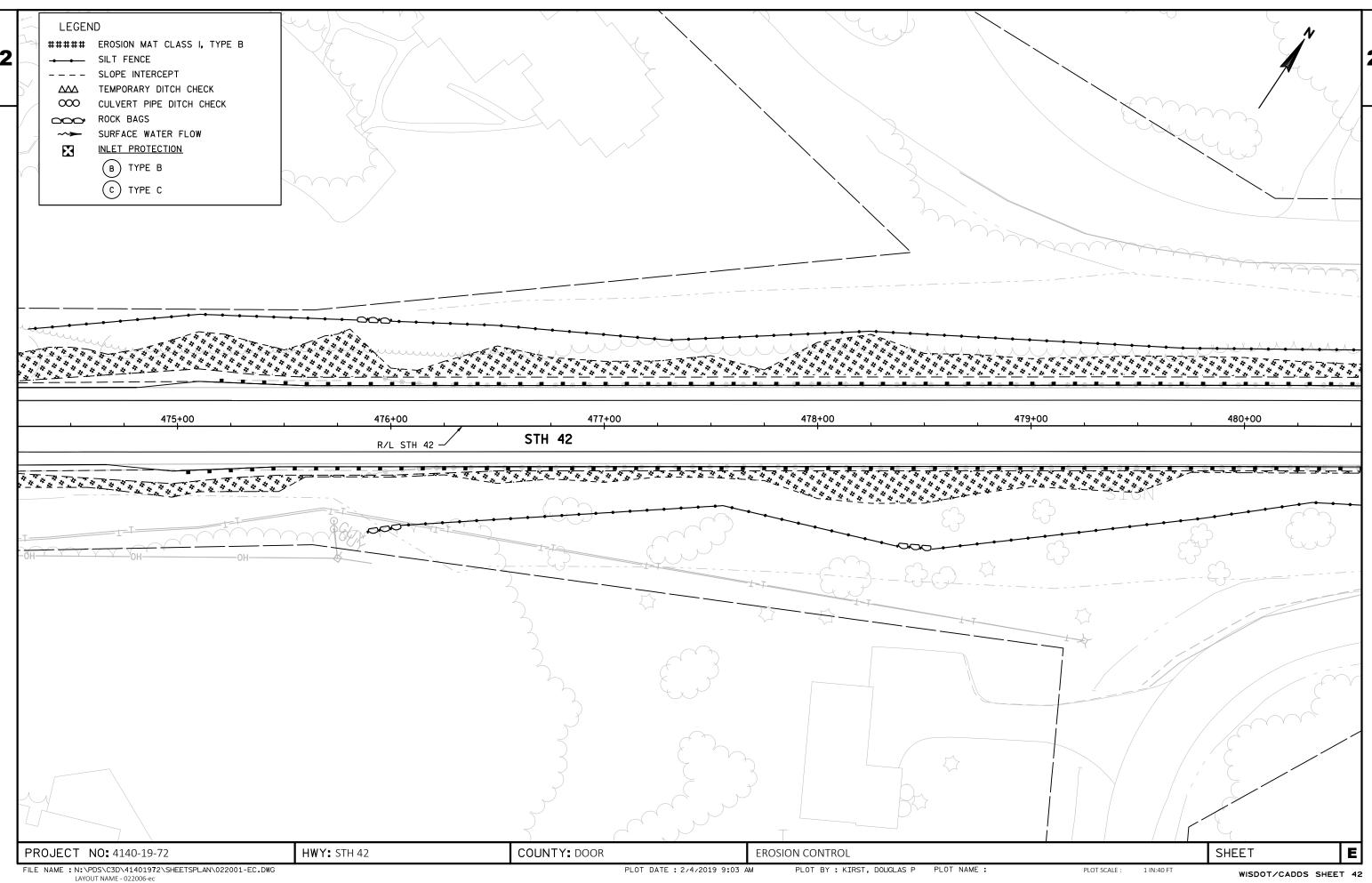


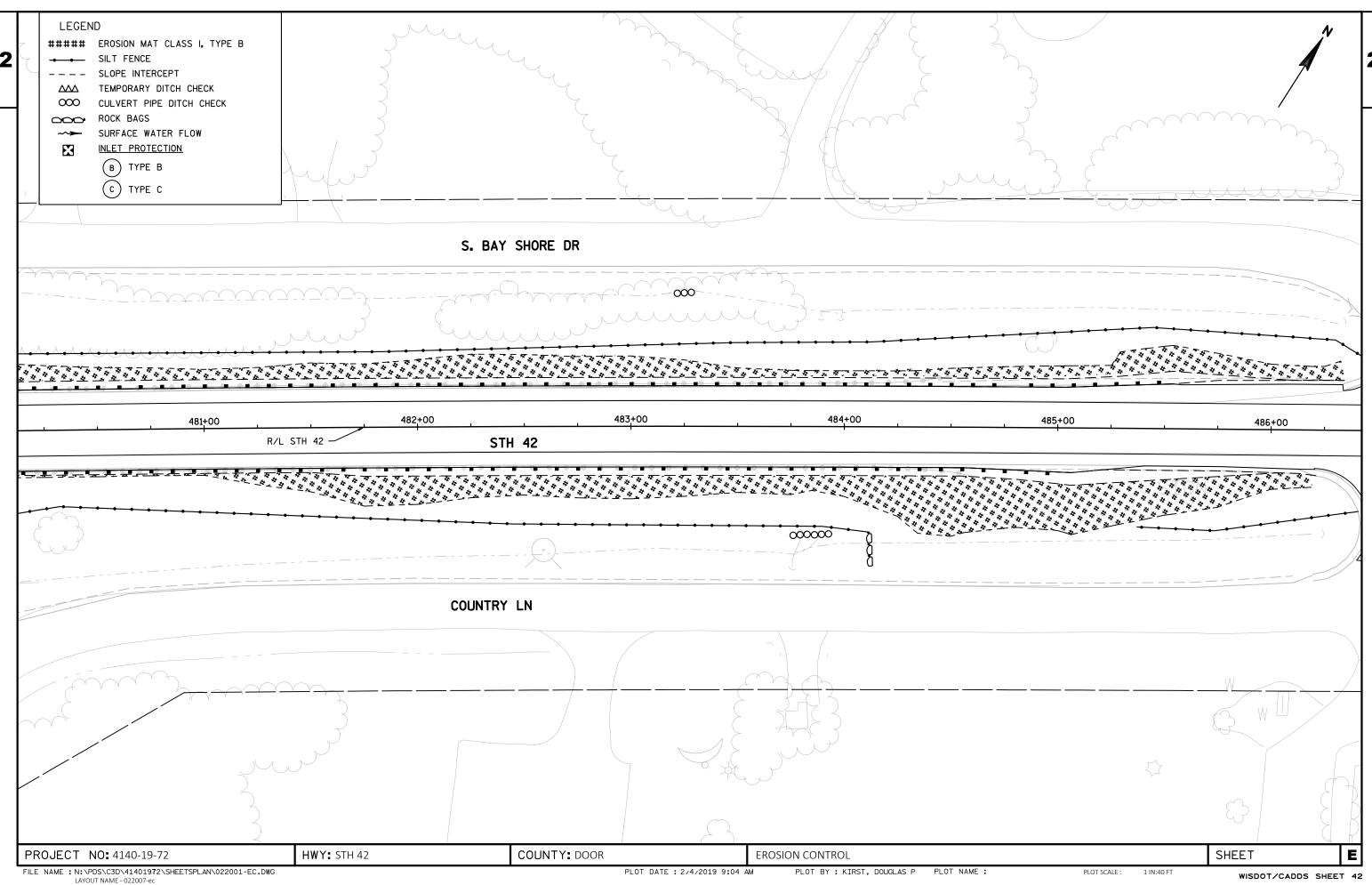


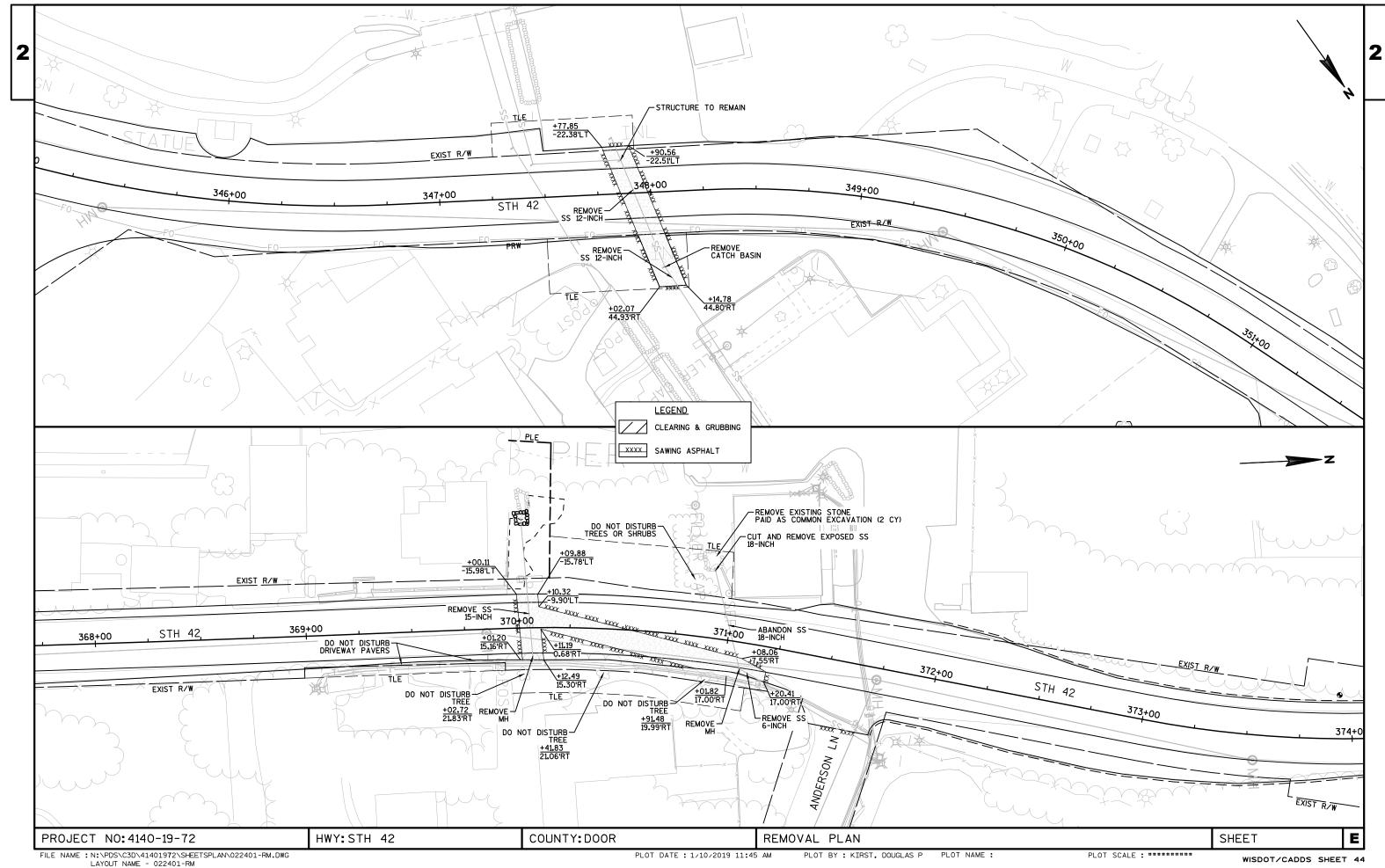


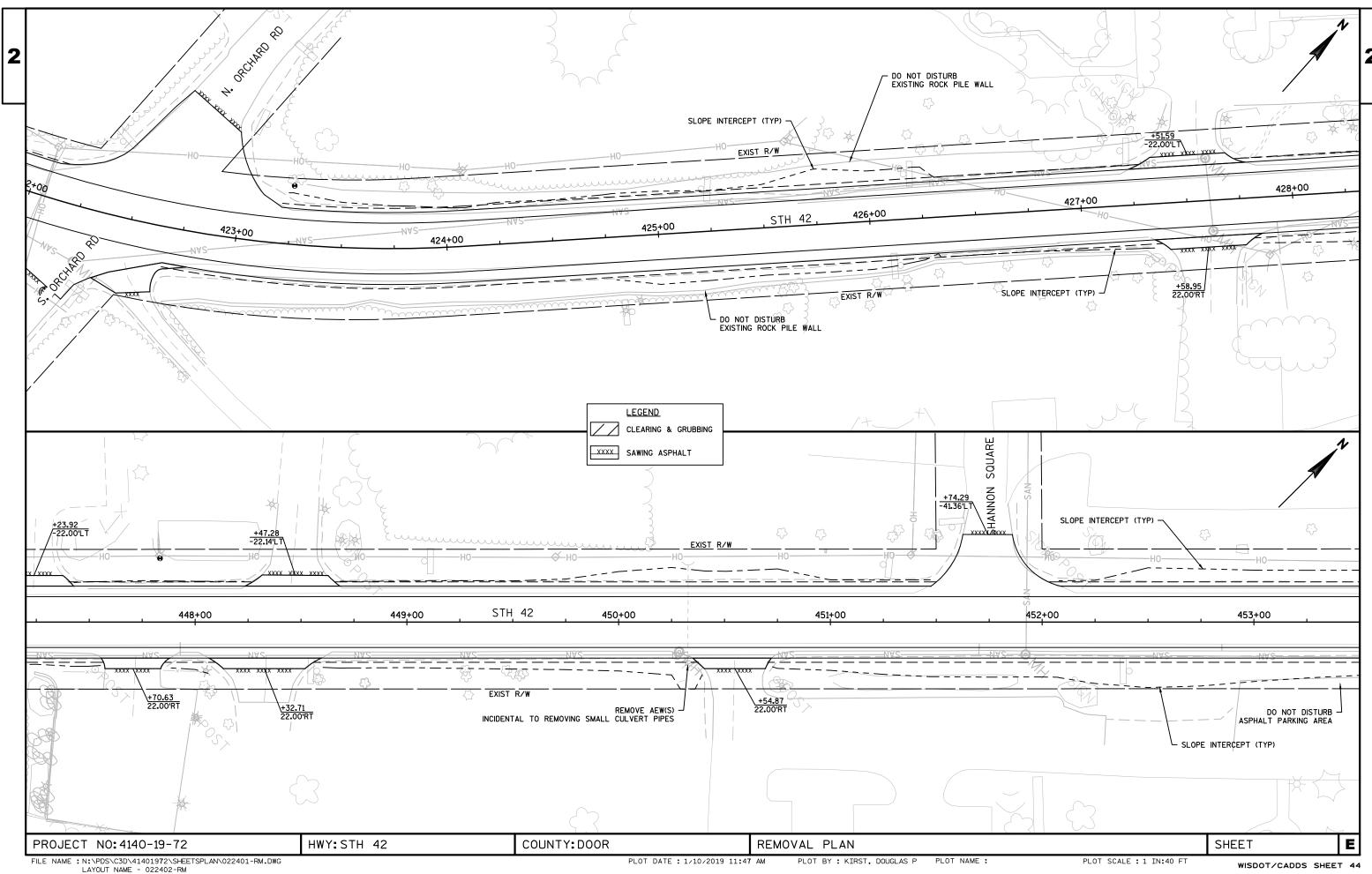


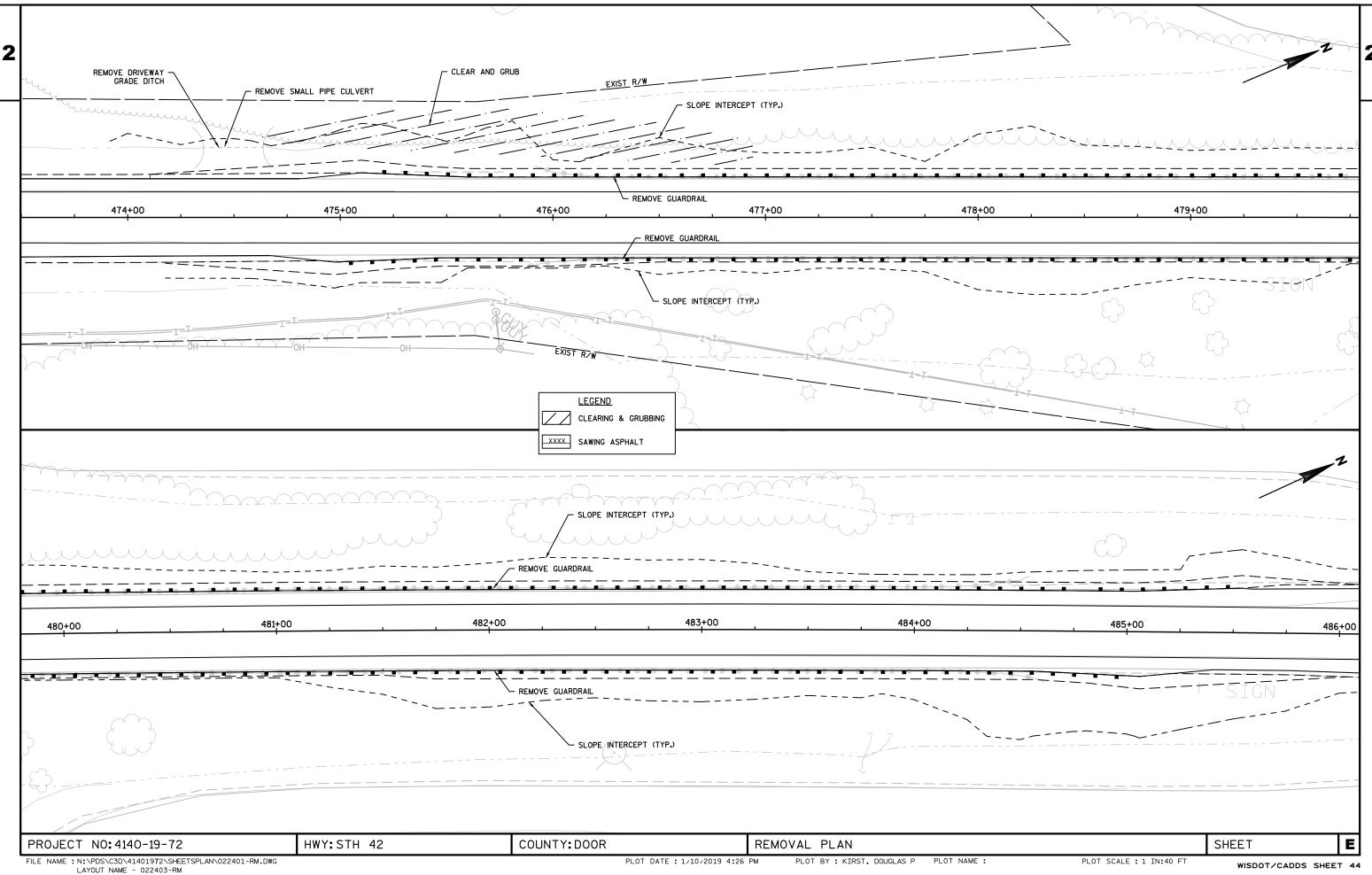


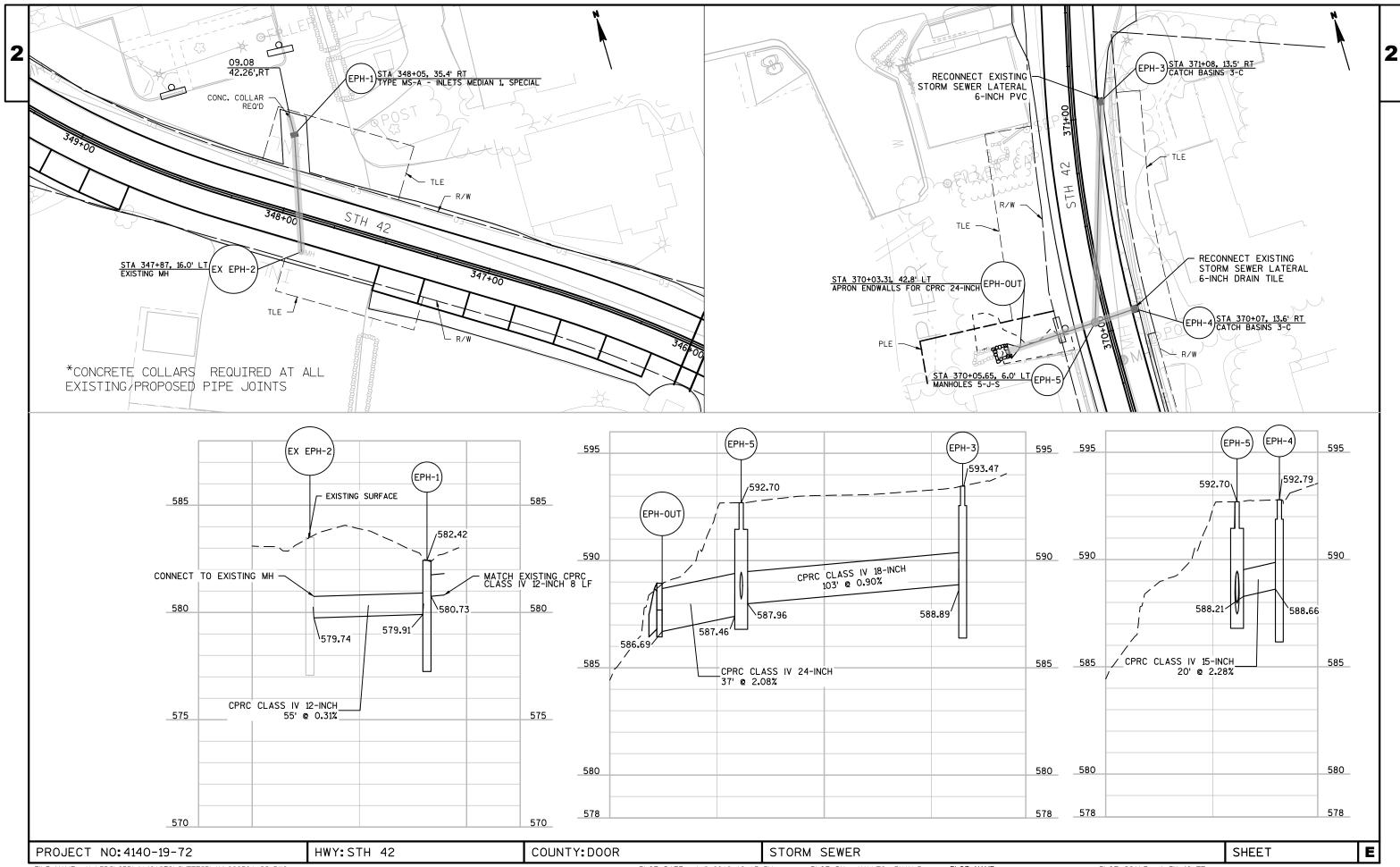


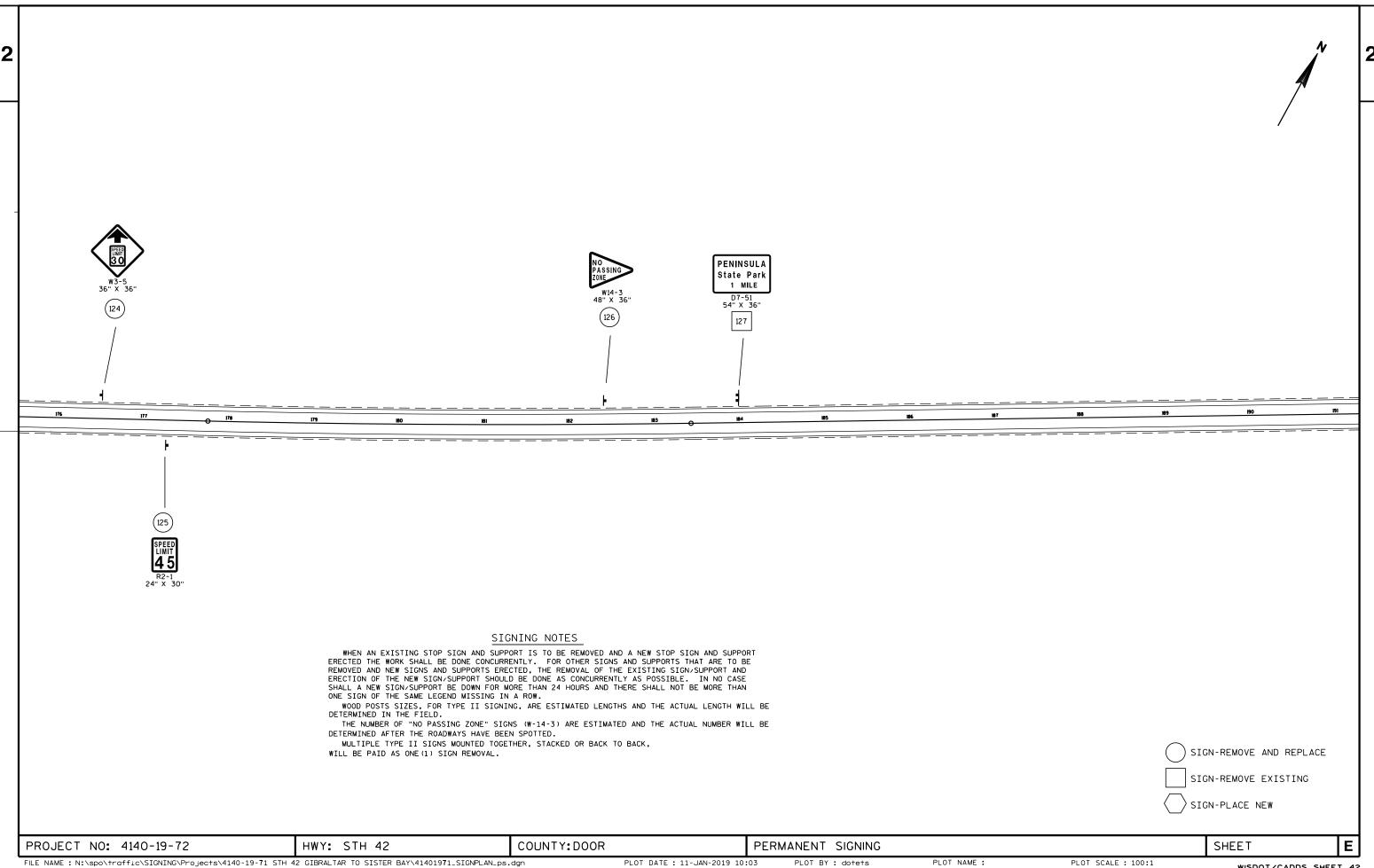


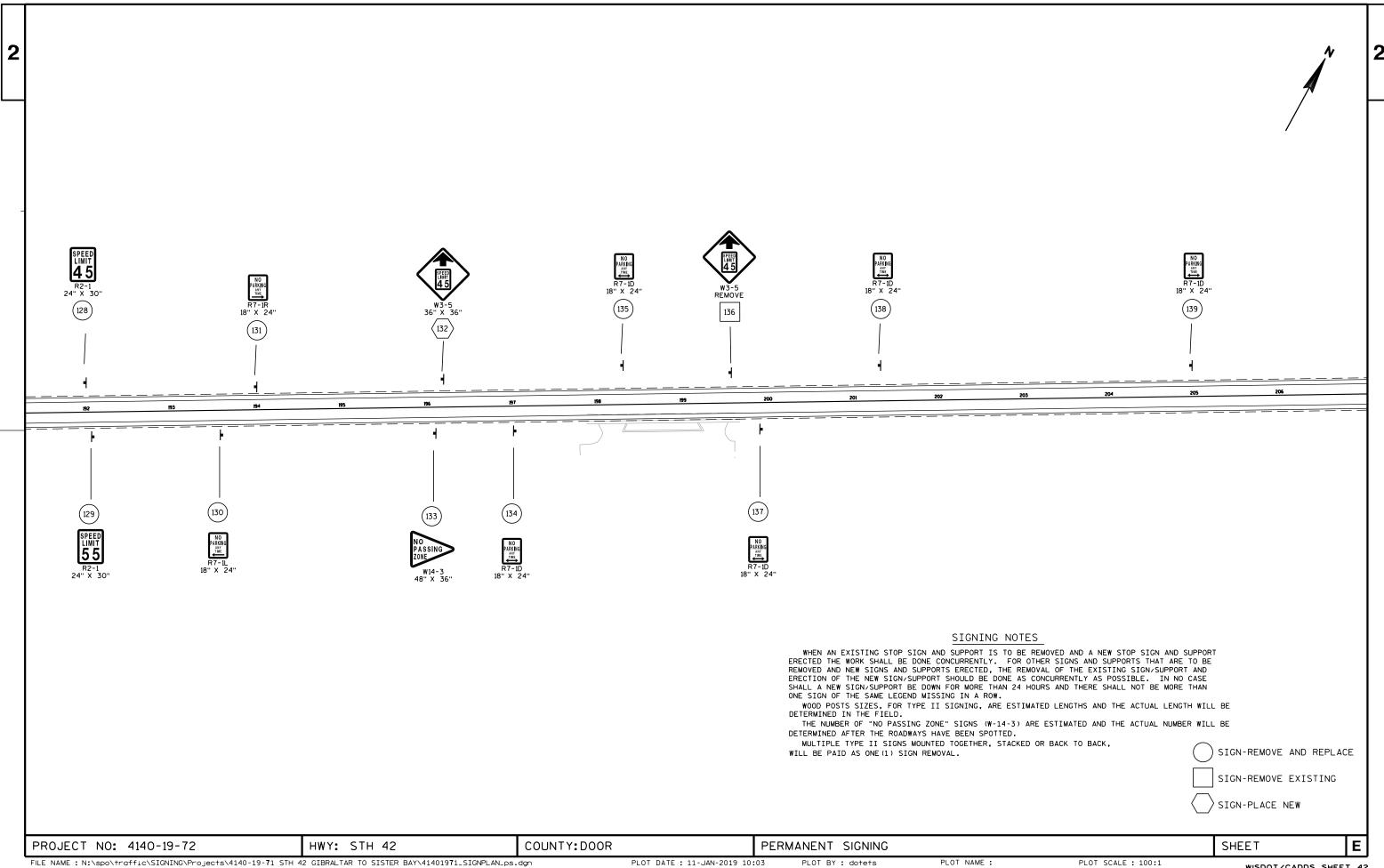


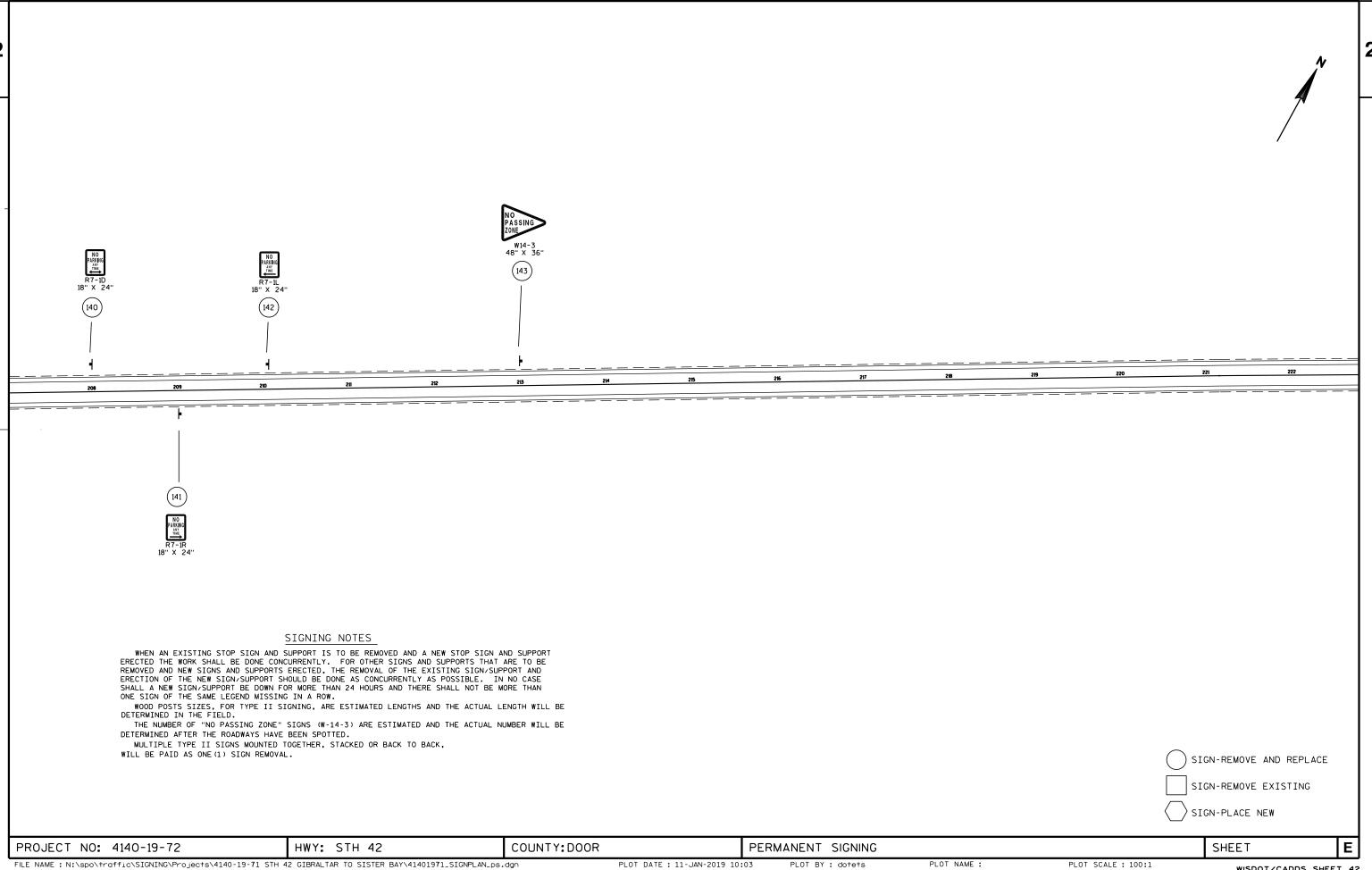


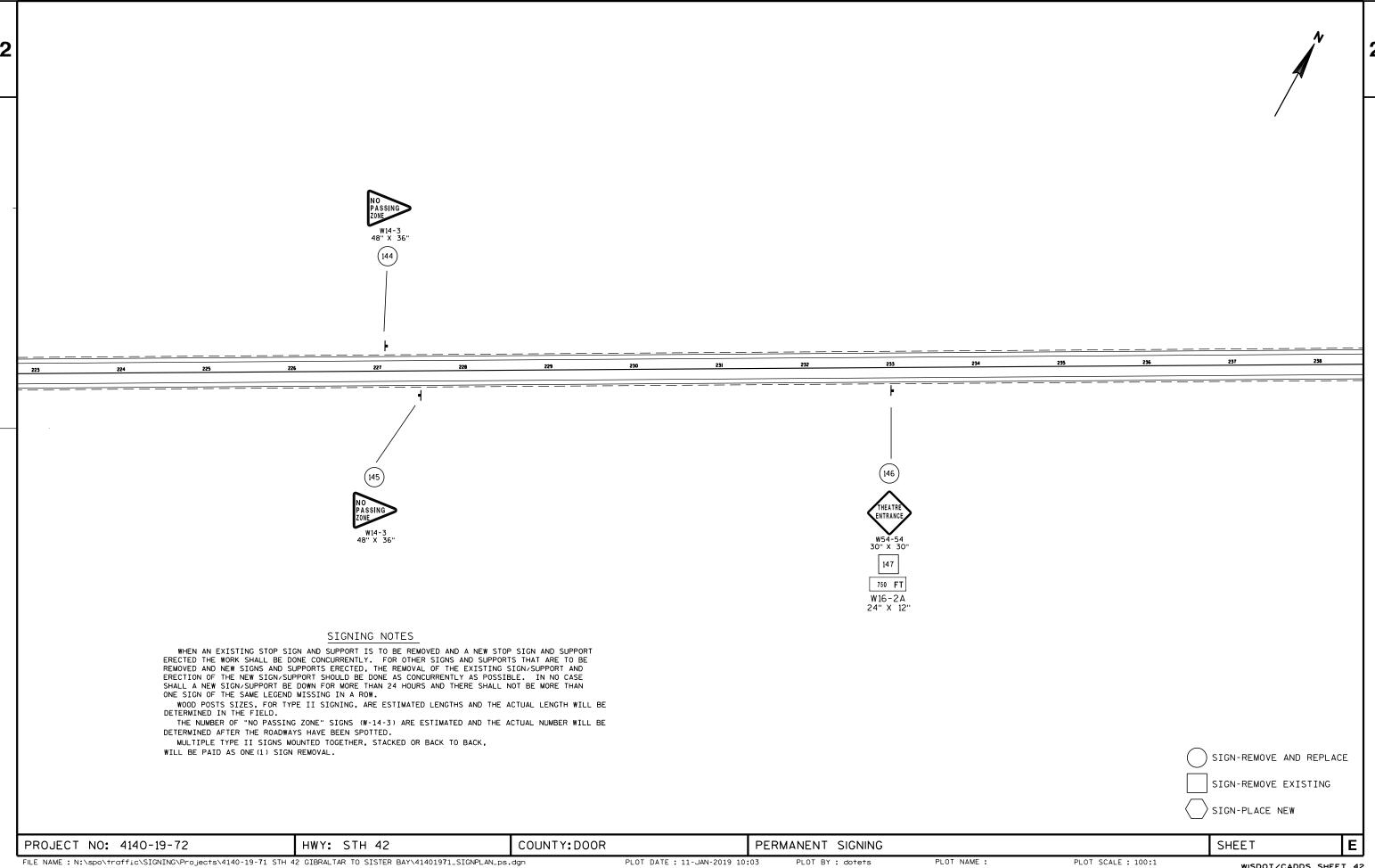


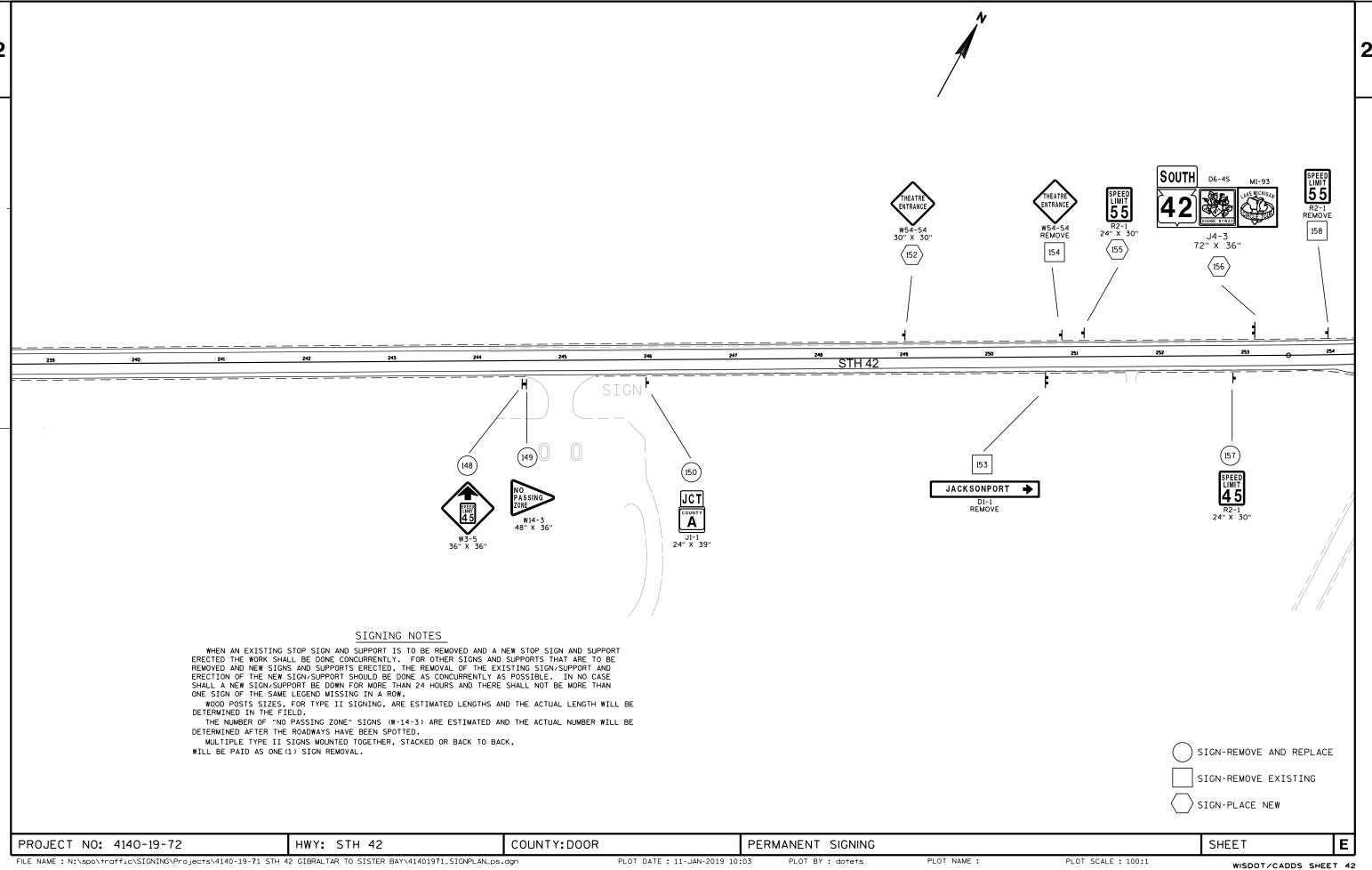


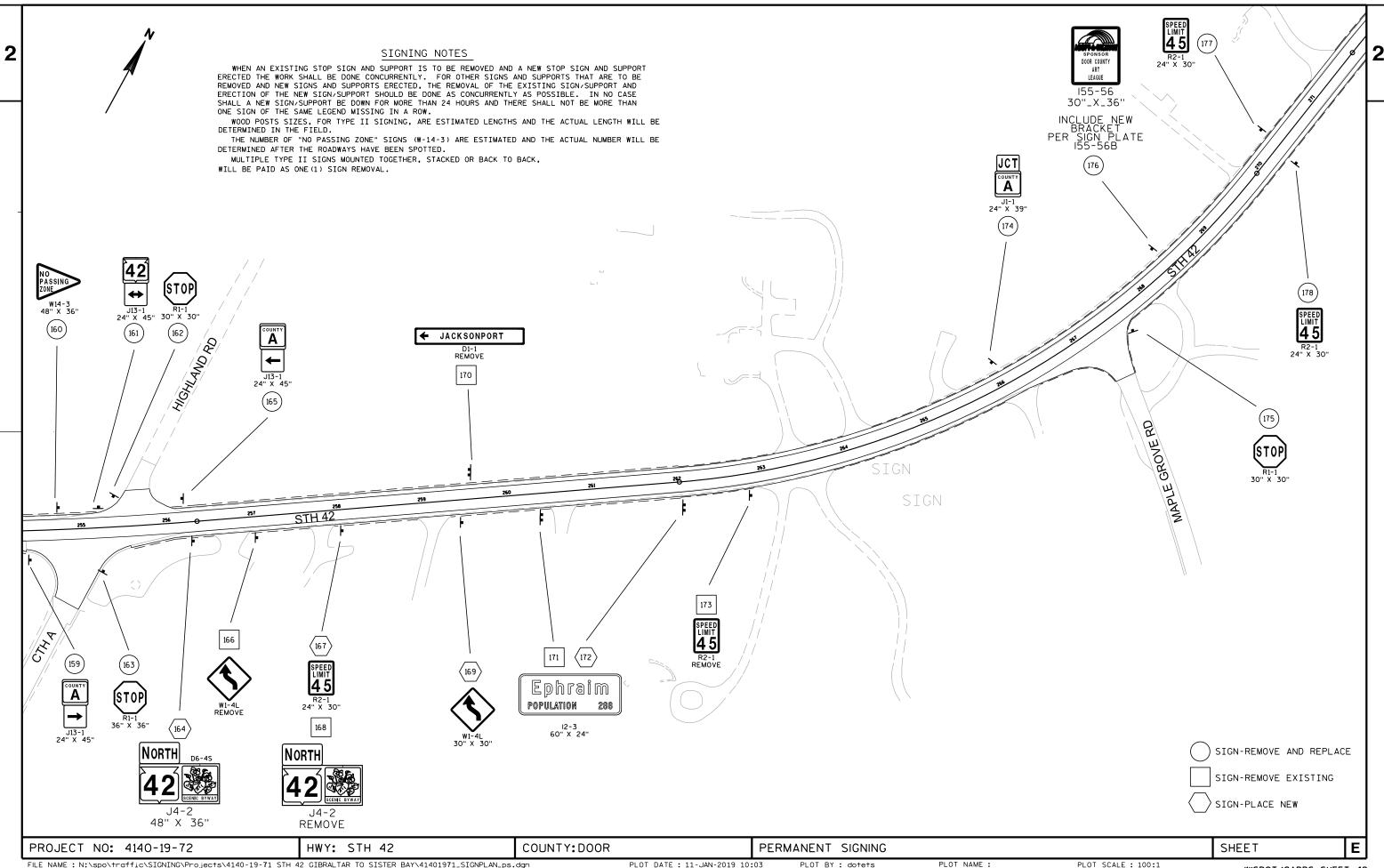


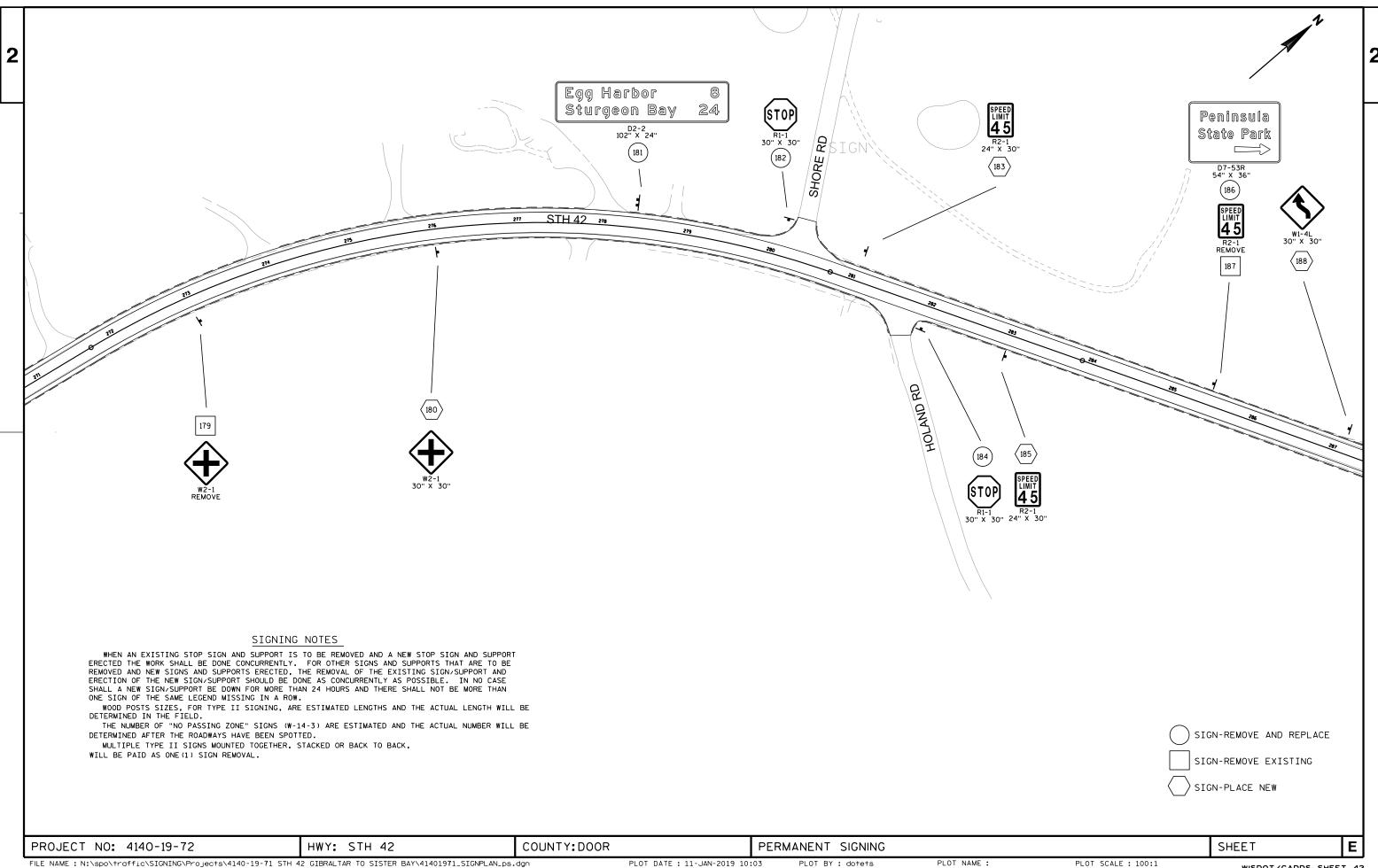










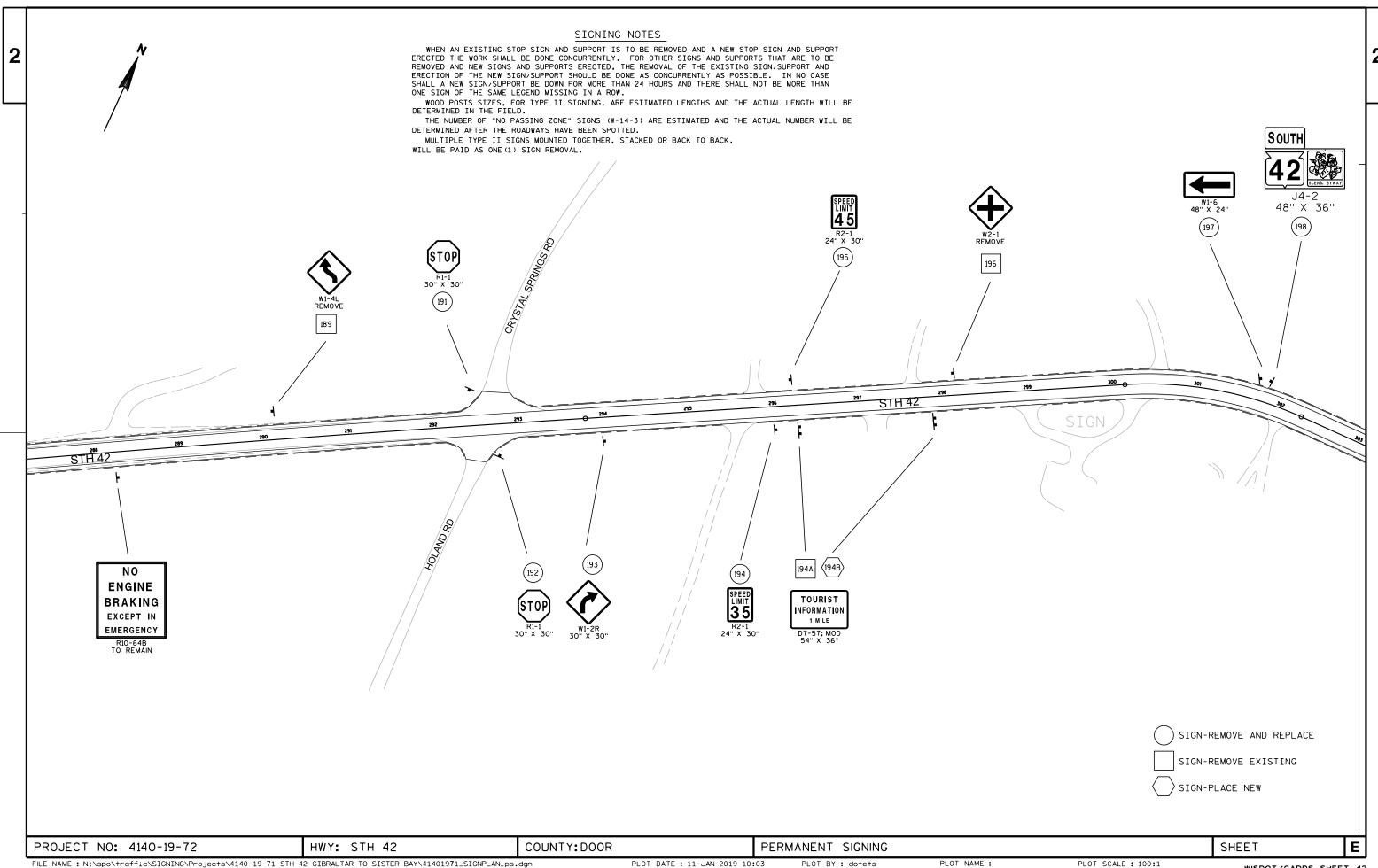


FILE NAME: N:\spo\traffic\SIGNING\Projects\4140-19-71 STH 42 GIBRALTAR TO SISTER BAY\41401971_SIGNPLAN_ps.dgn

PLOT DATE: 11-JAN-2019 10:03

PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42



SIGNING NOTES WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW. WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED. MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE (1) SIGN REMOVAL. STH 42 SIGN-REMOVE AND REPLACE SIGN-REMOVE EXISTING SIGN-PLACE NEW PROJECT NO: 4140-19-72 HWY: STH 42 COUNTY: DOOR PERMANENT SIGNING SHEET

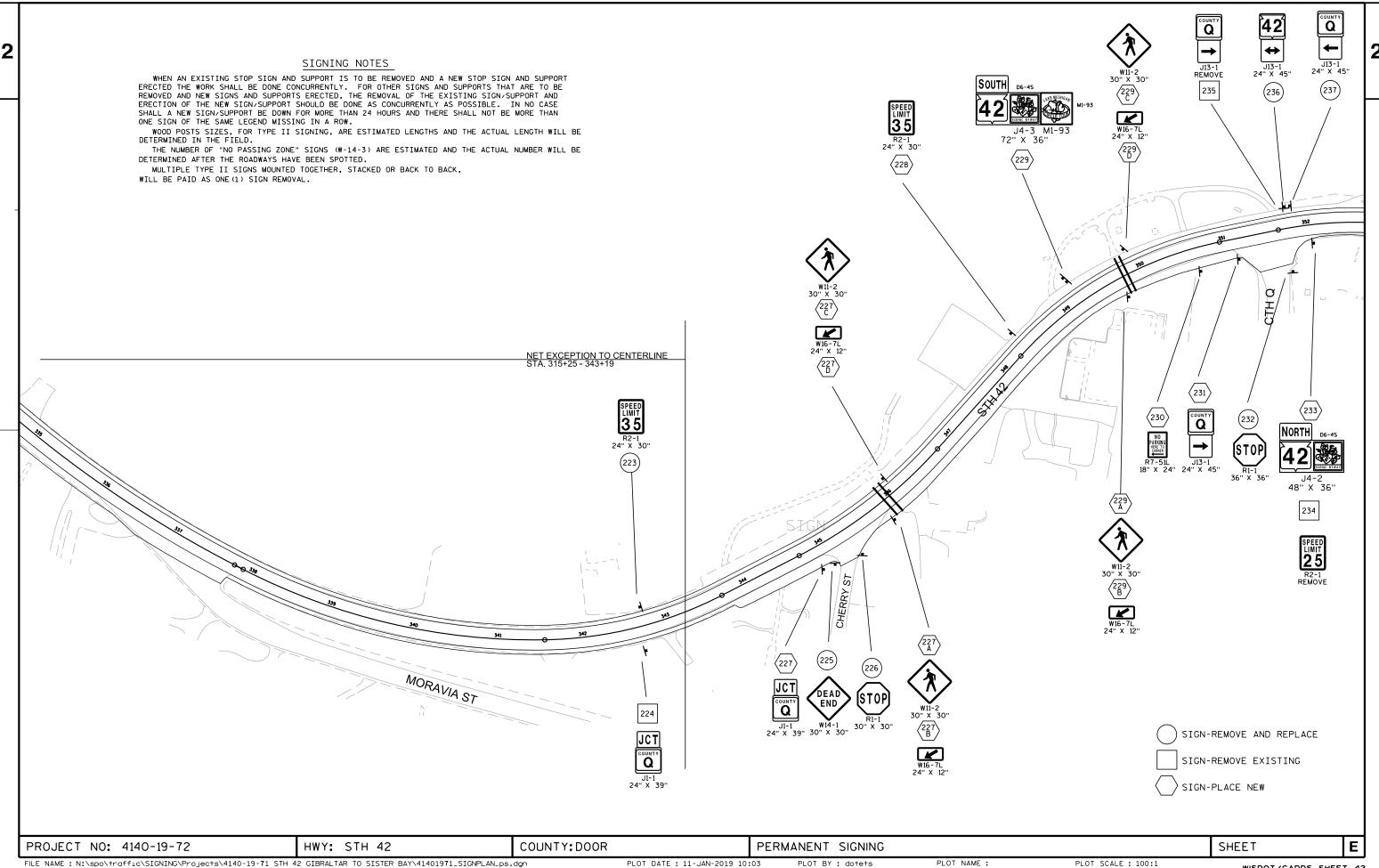
FILE NAME: N:\spo\traffic\SIGNING\Projects\4140-19-71 STH 42 GIBRALTAR TO SISTER BAY\41401971_SIGNPLAN_ps.dgn

PLOT DATE: 11-JAN-2019 10:03

PLOT BY: dotets

PLOT SCALE: 100:1

WISDOT/CADDS SHEET 42



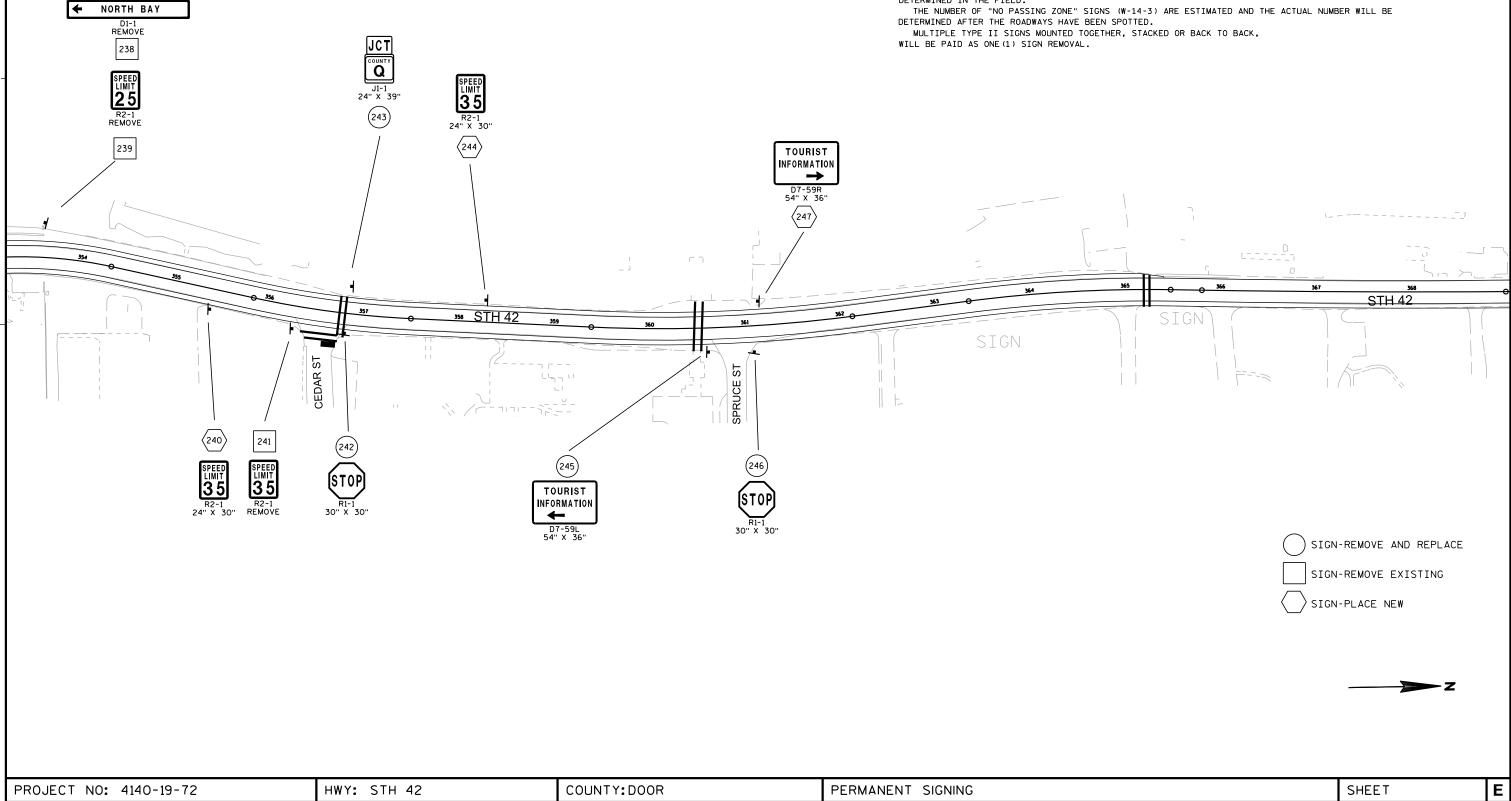


SIGNING NOTES

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

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

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE



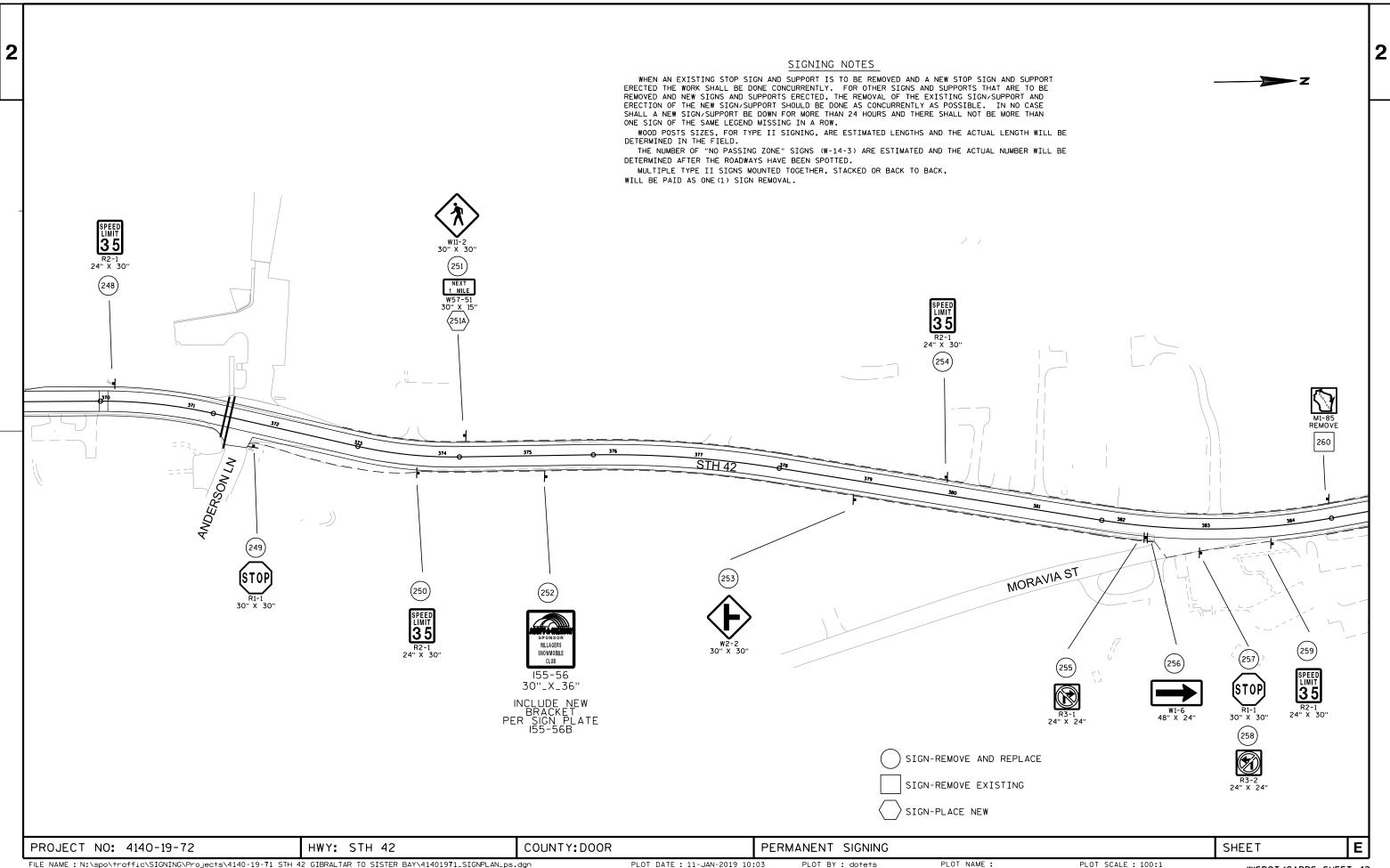
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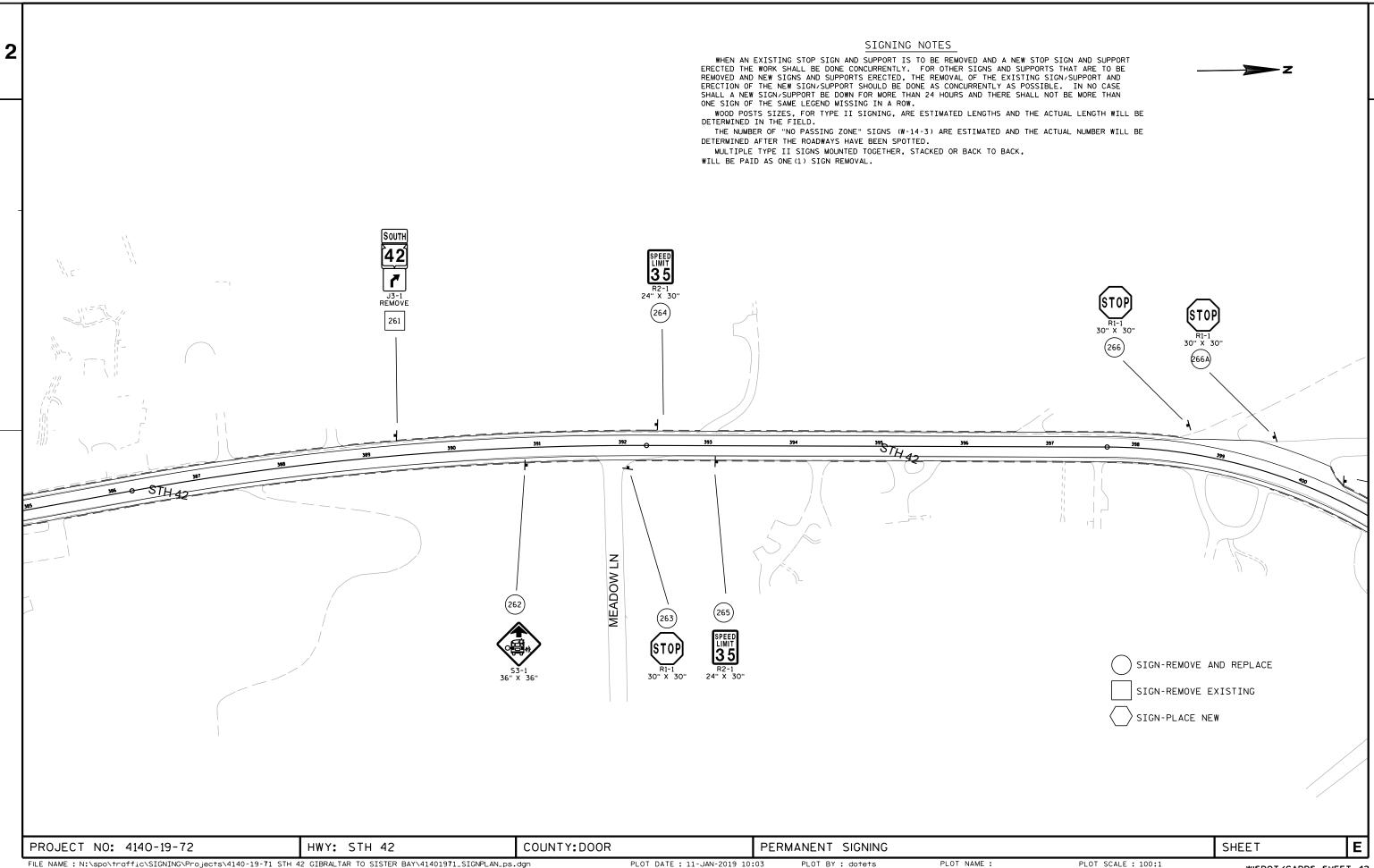
PLOT DATE: 11-JAN-2019 10:03

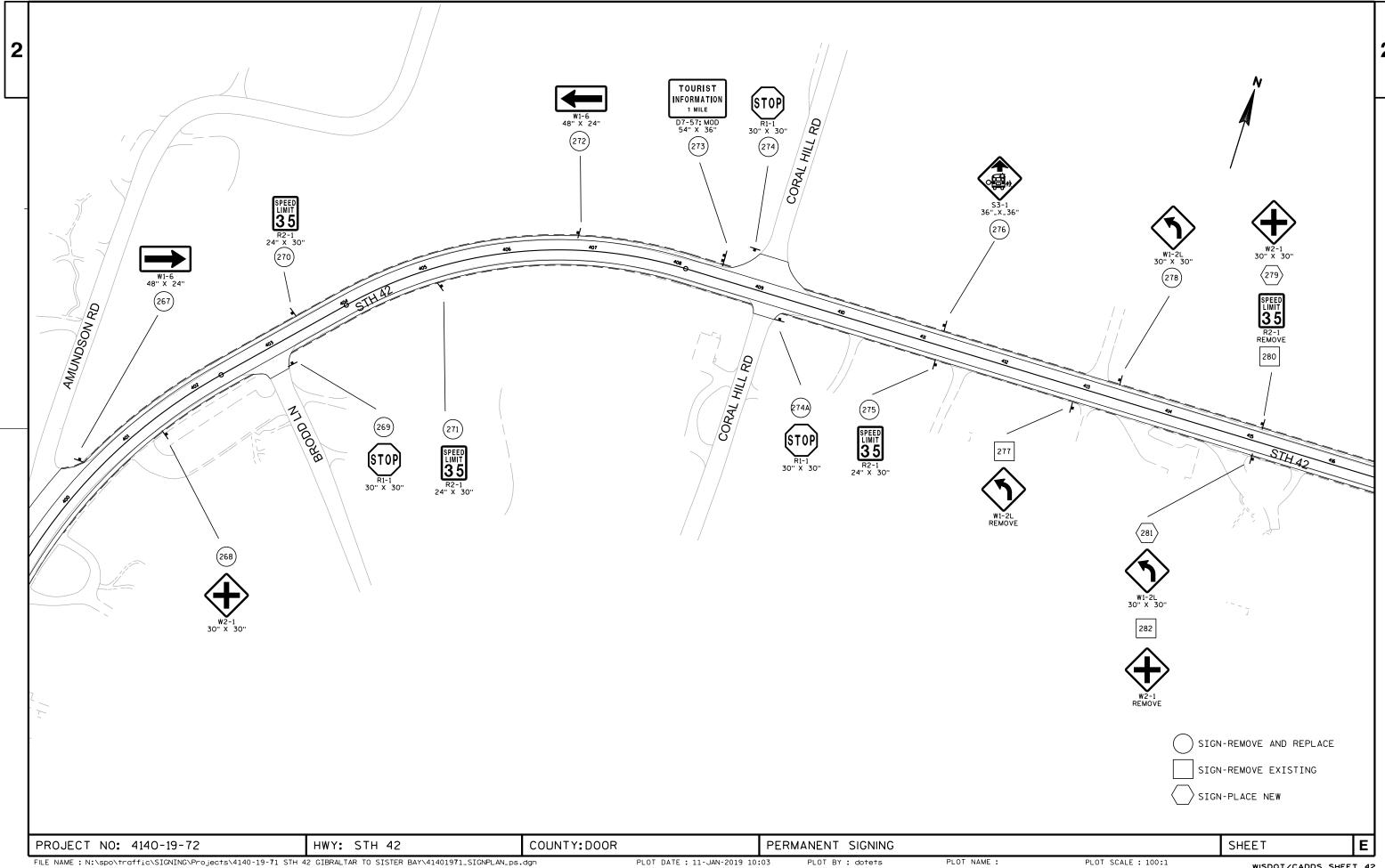
PLOT BY : dotets

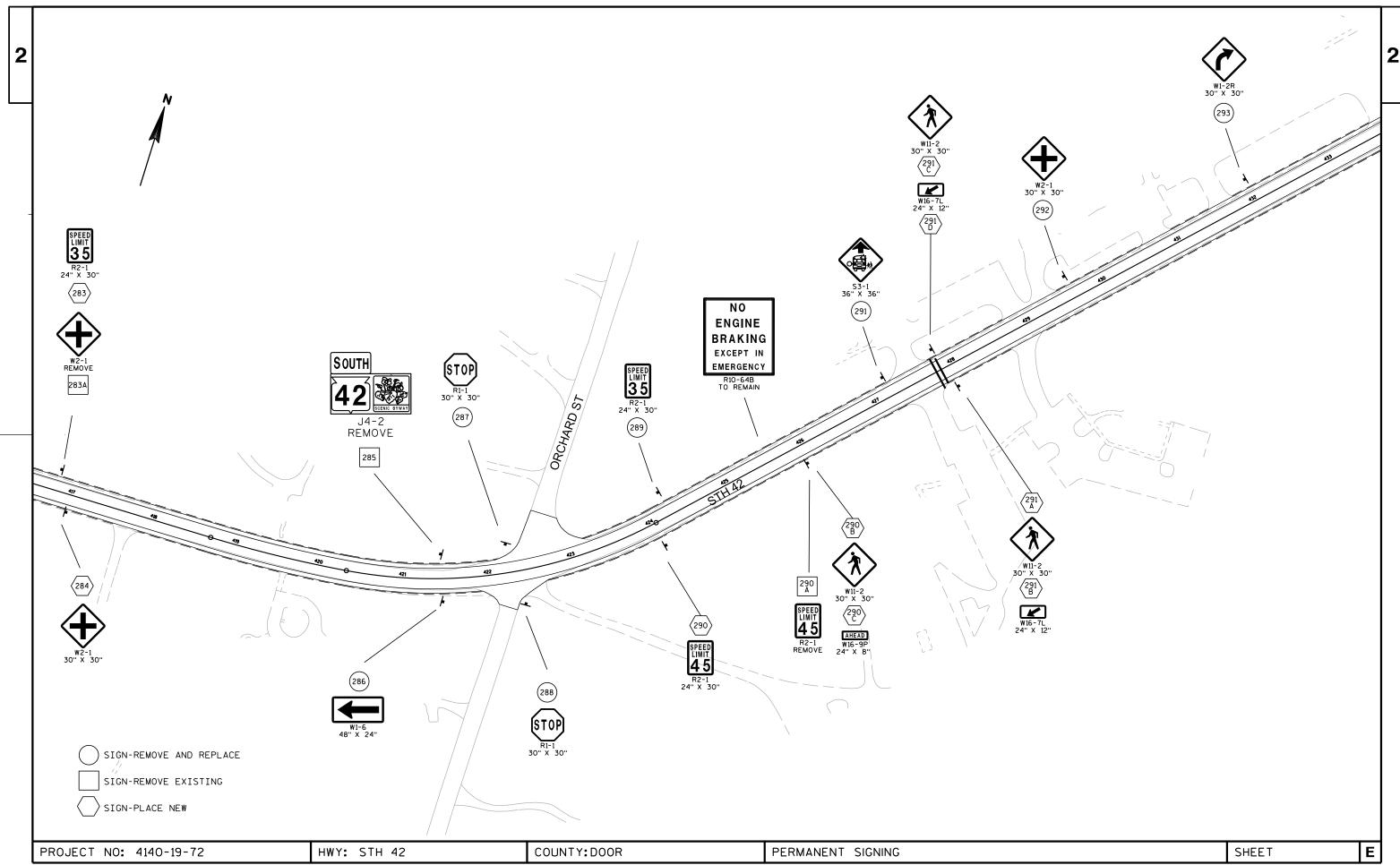
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PLOT SCALE : 100:1









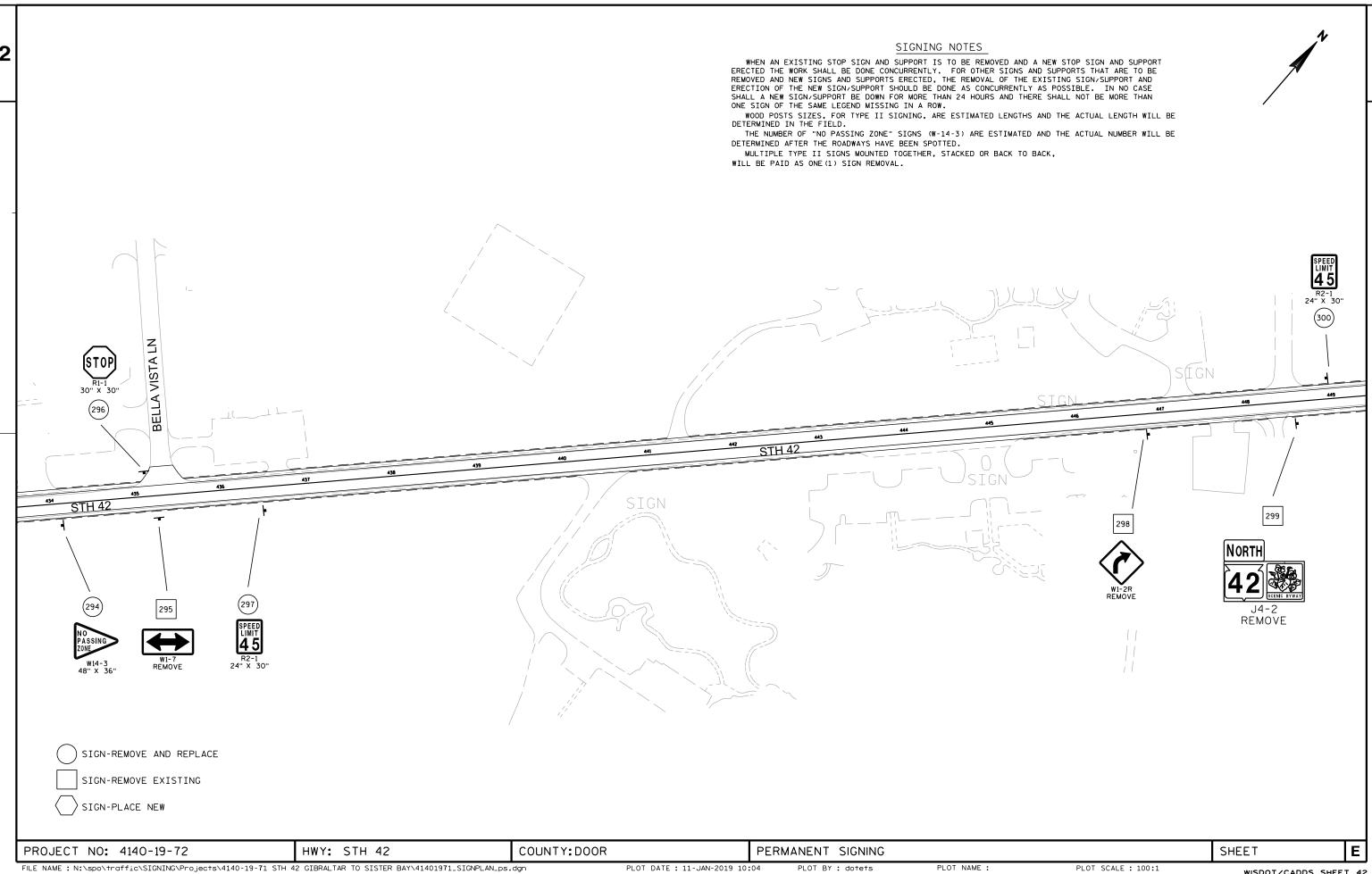
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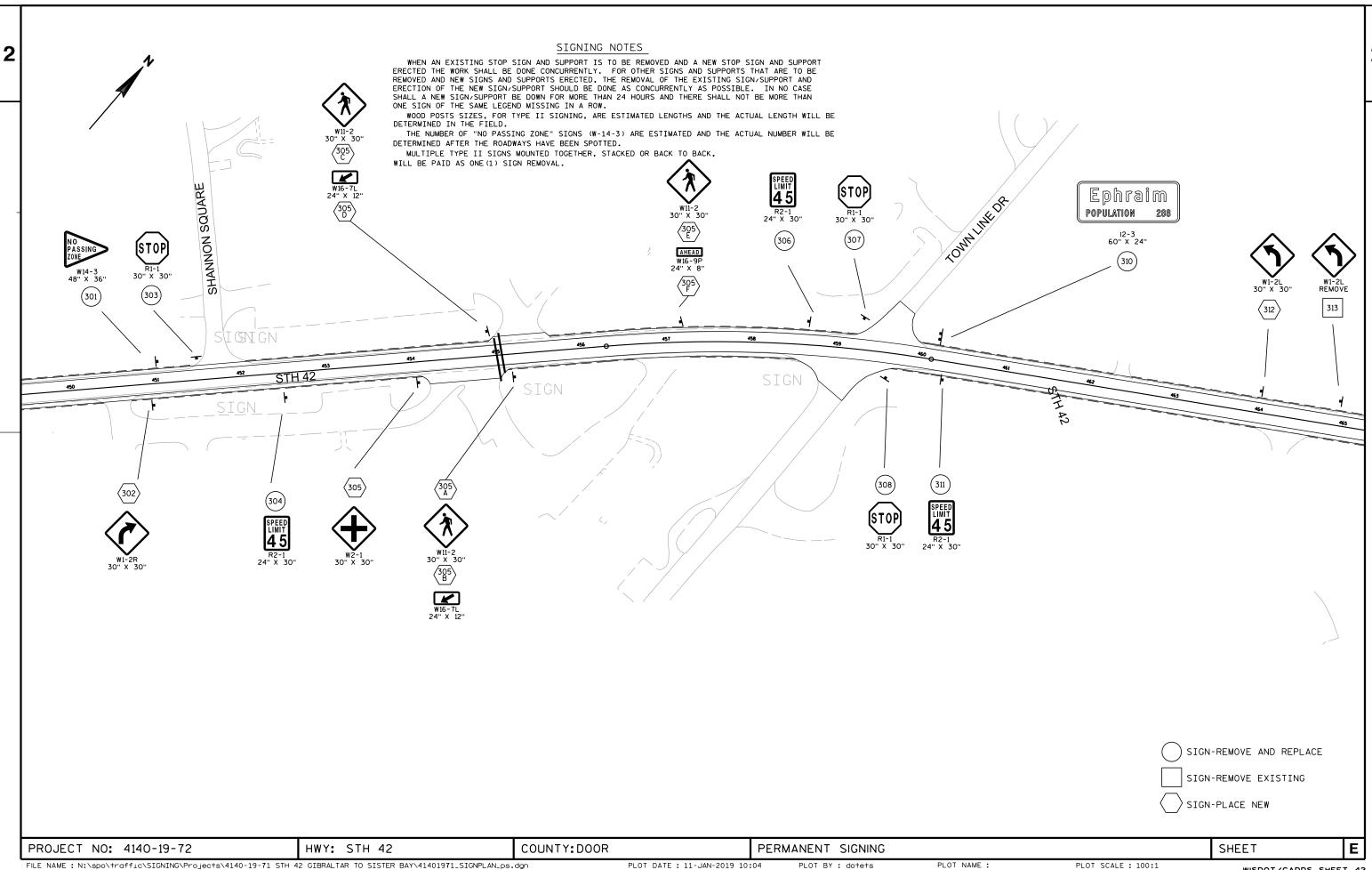
PLOT DATE: 11-JAN-2019 10:04

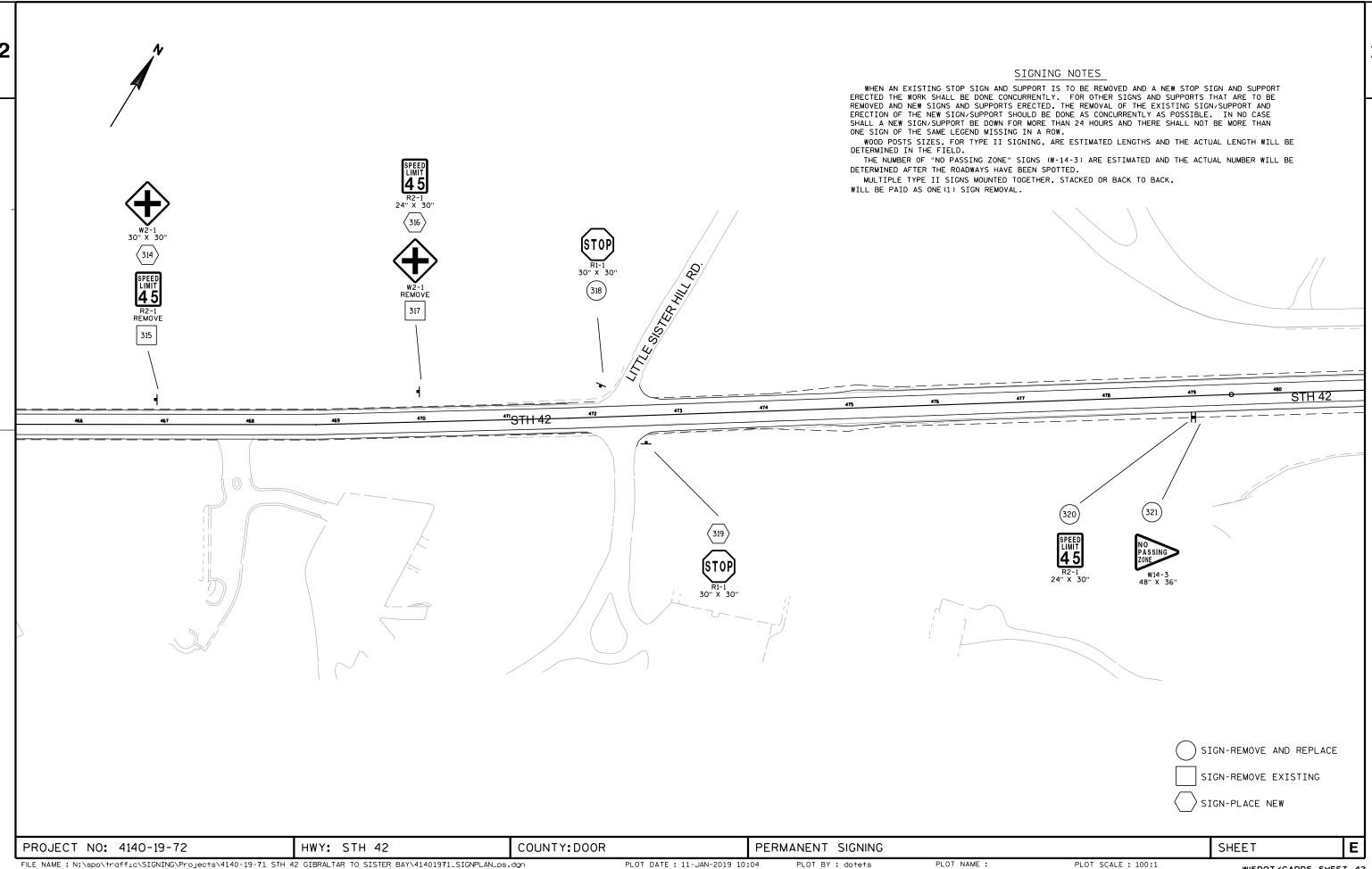
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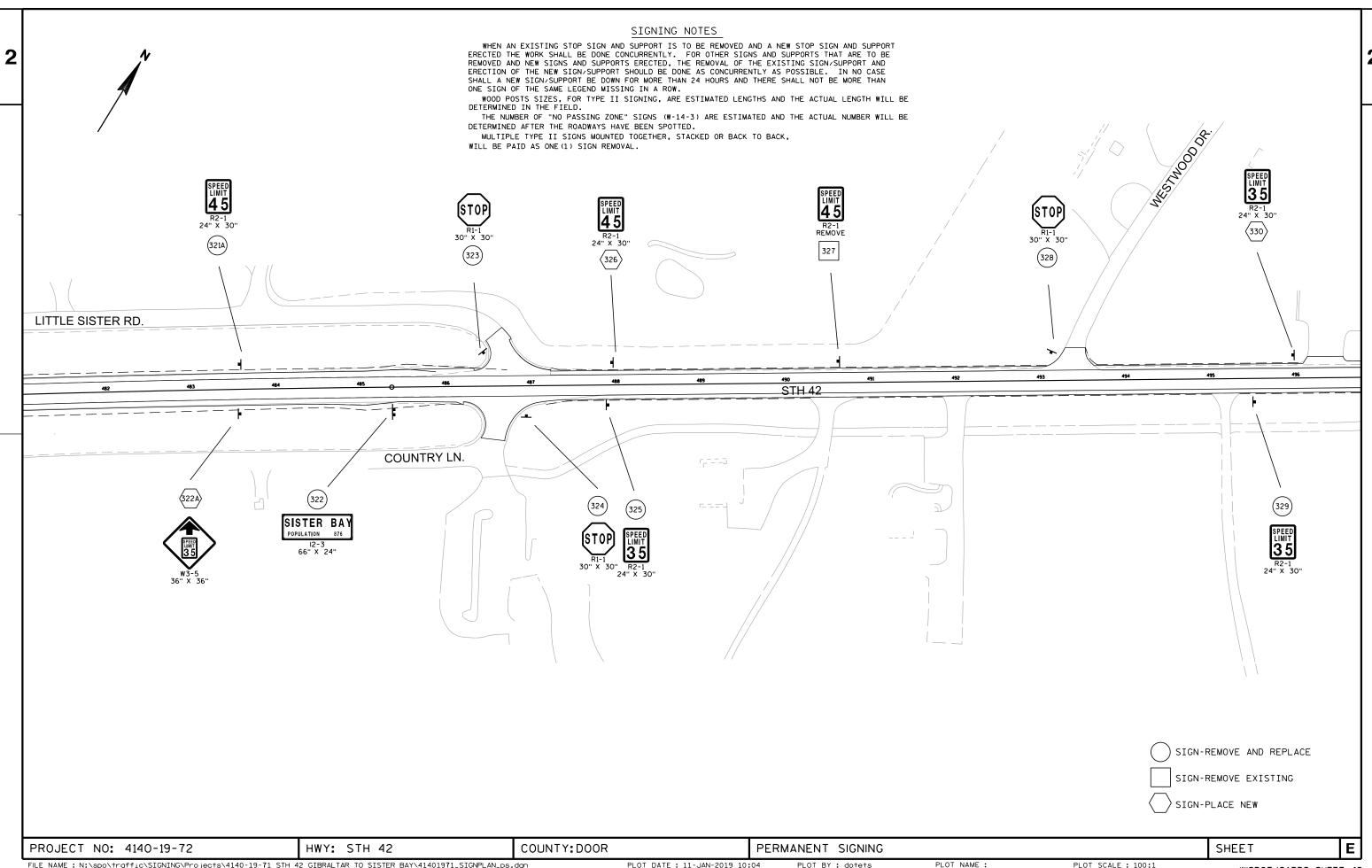
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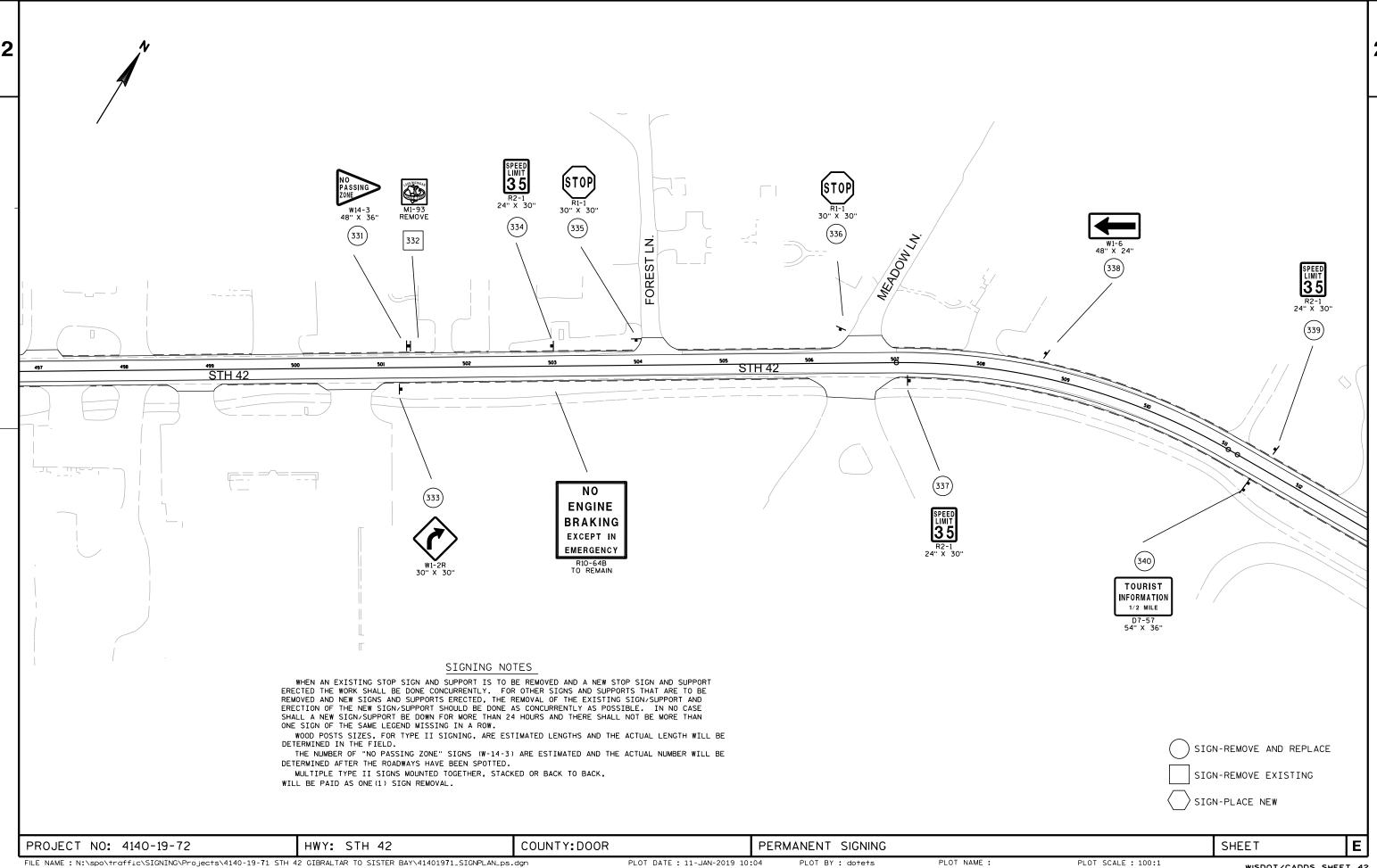
PLOT SCALE : 100:1

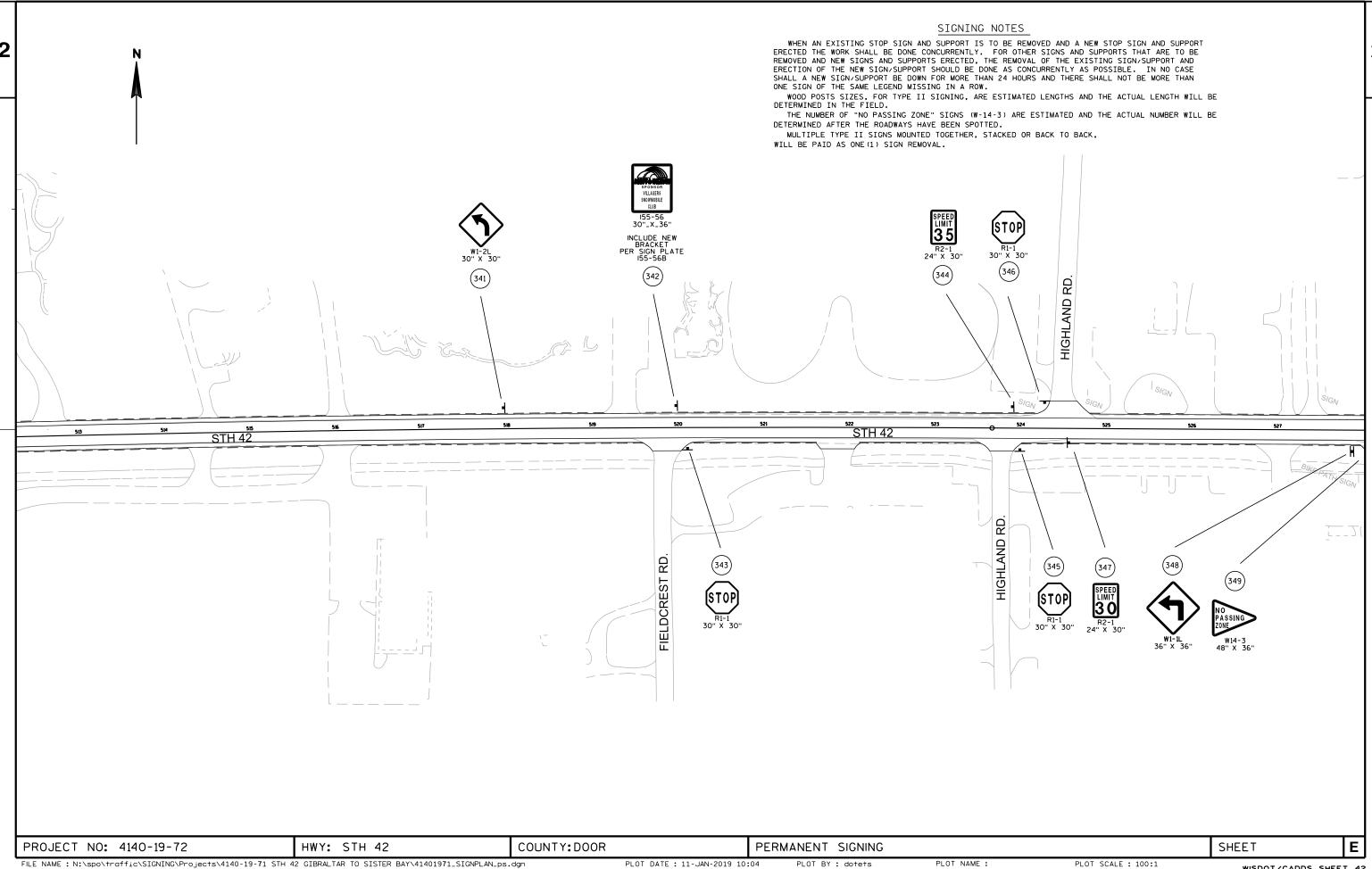


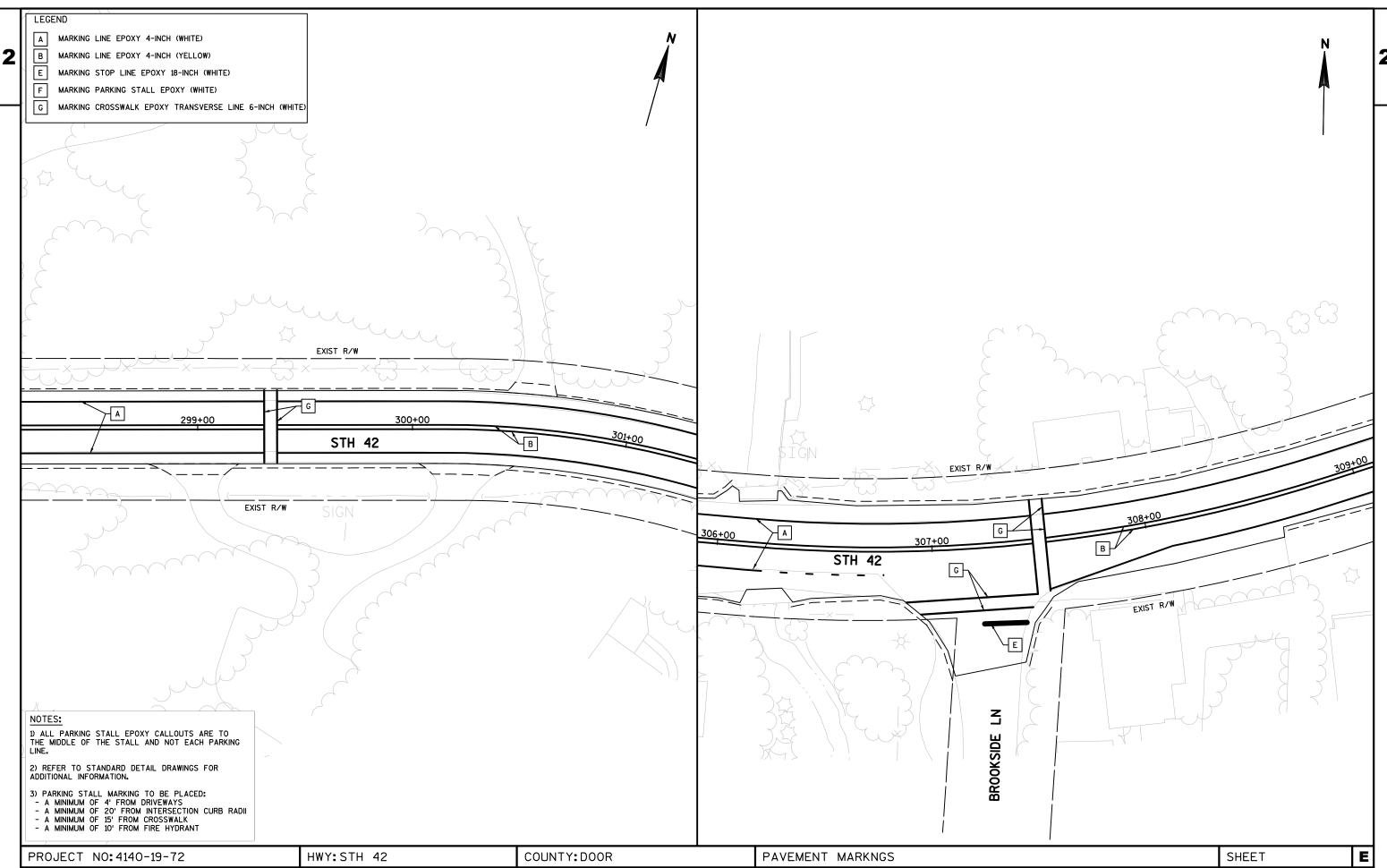


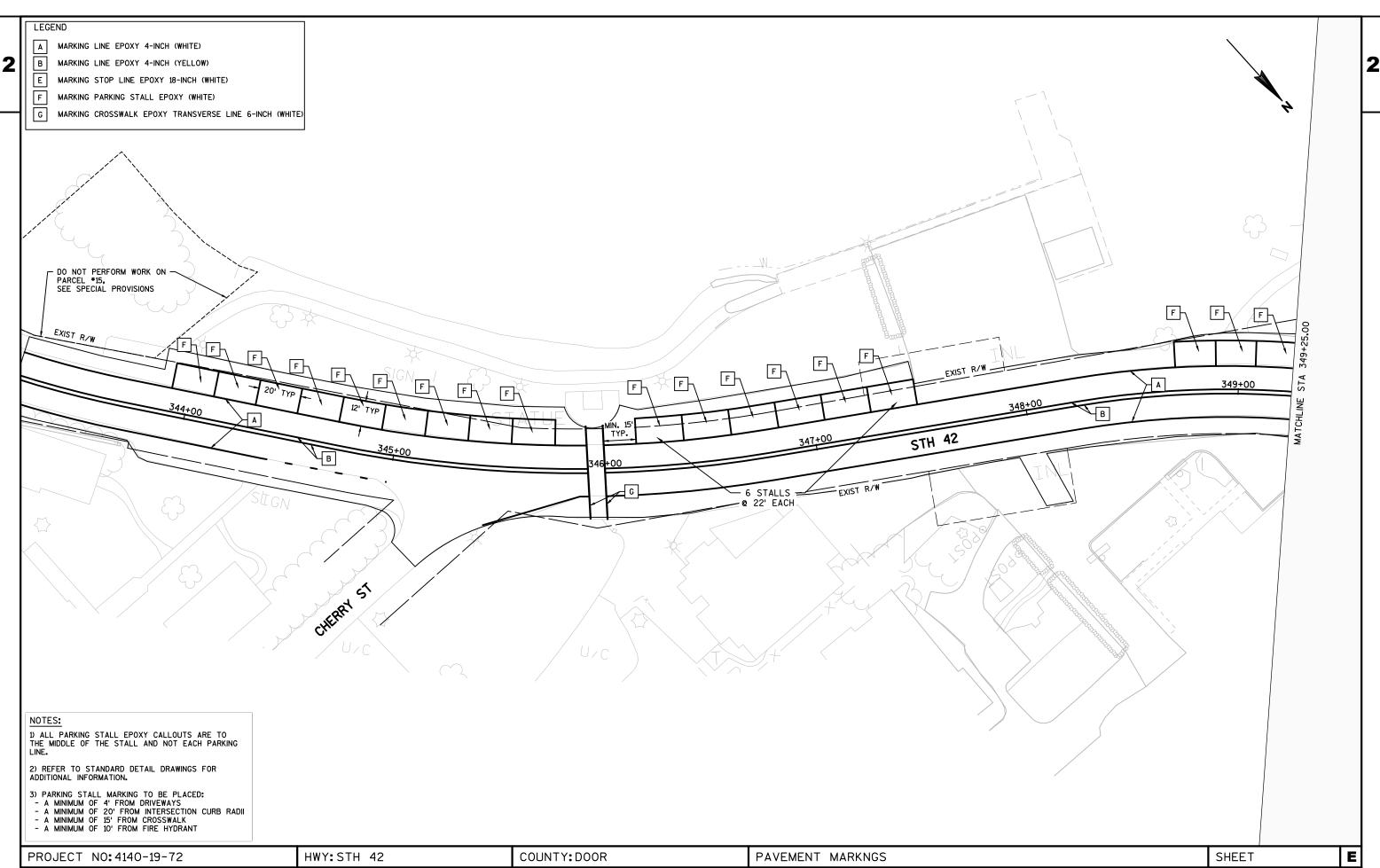


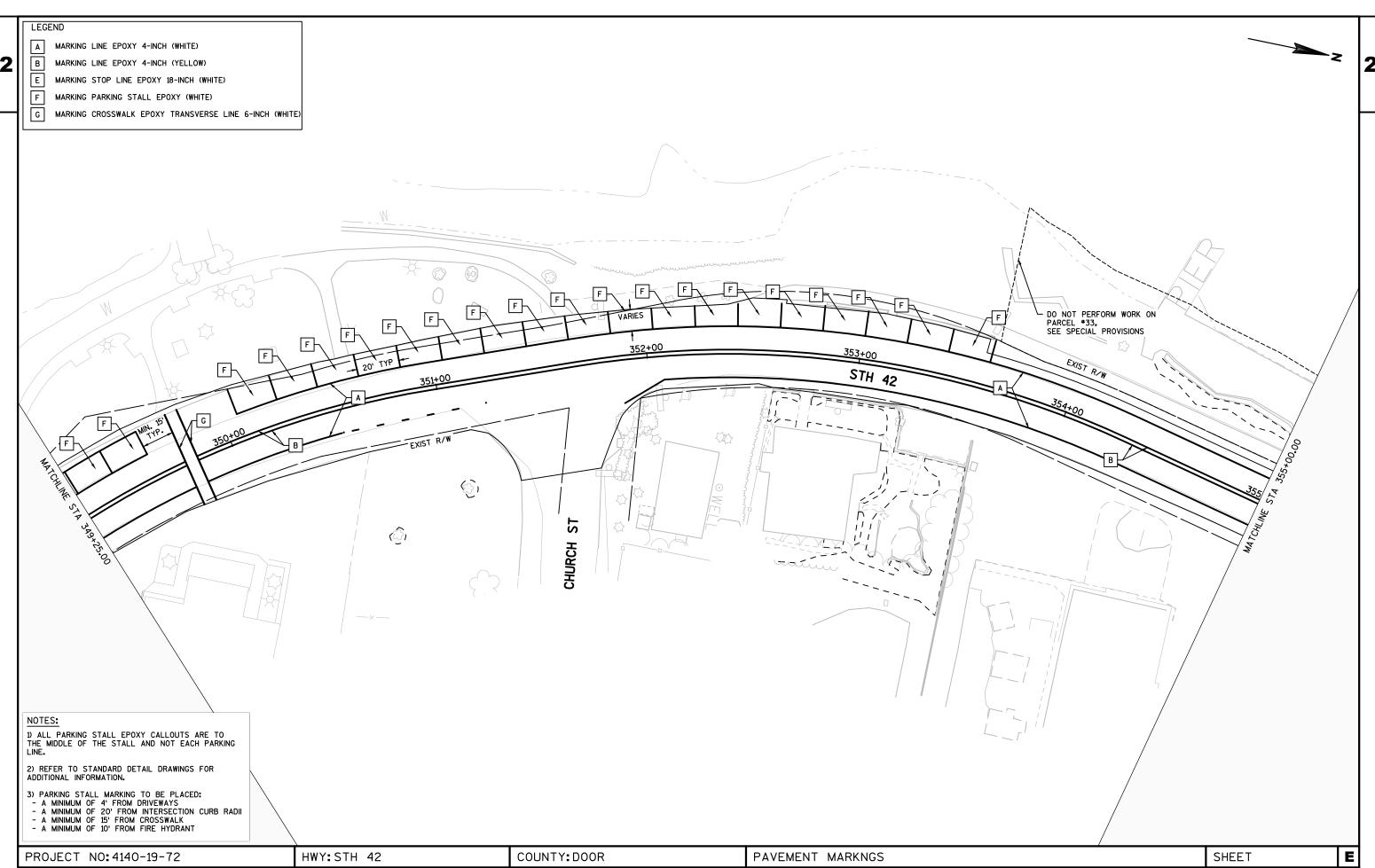


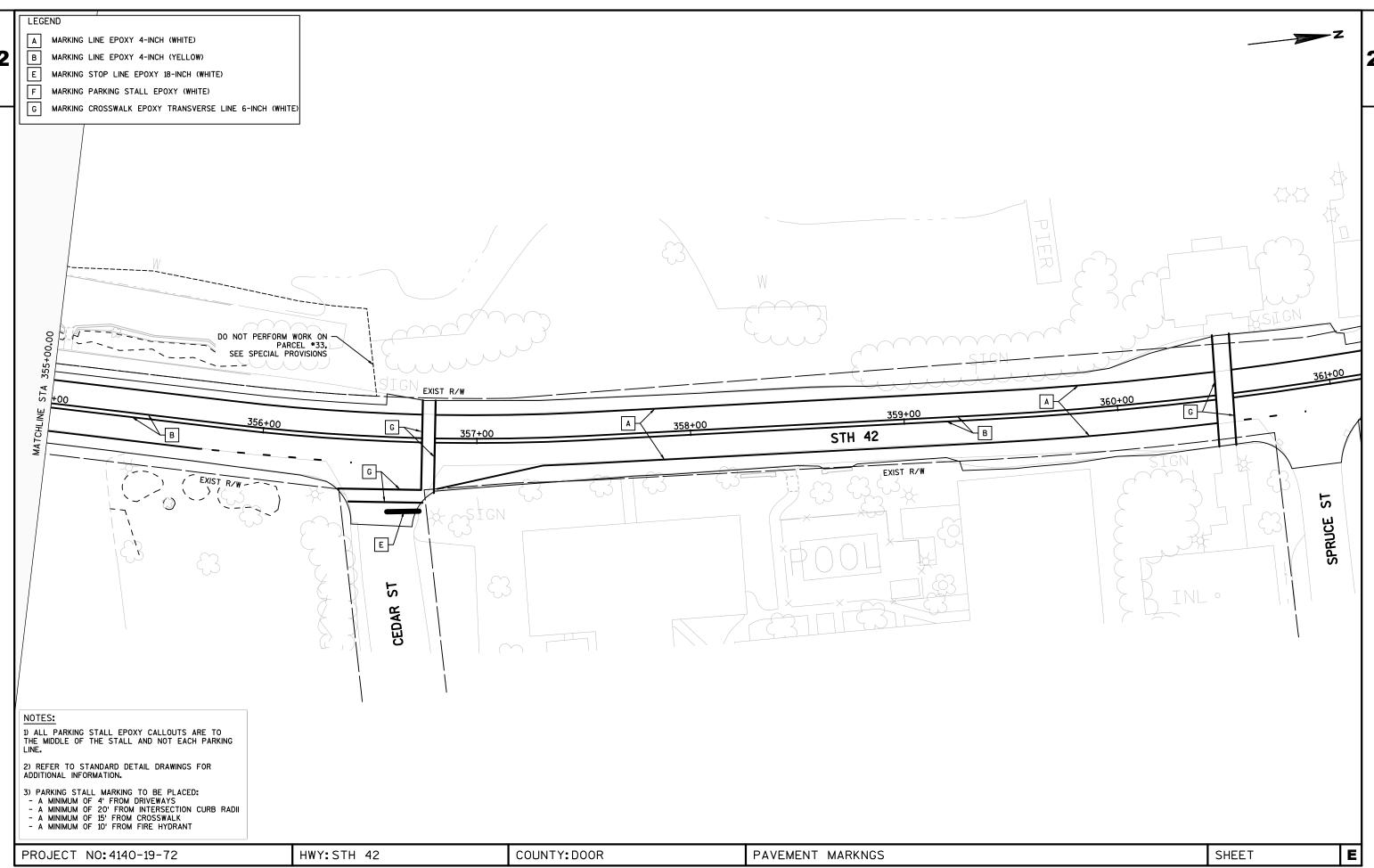


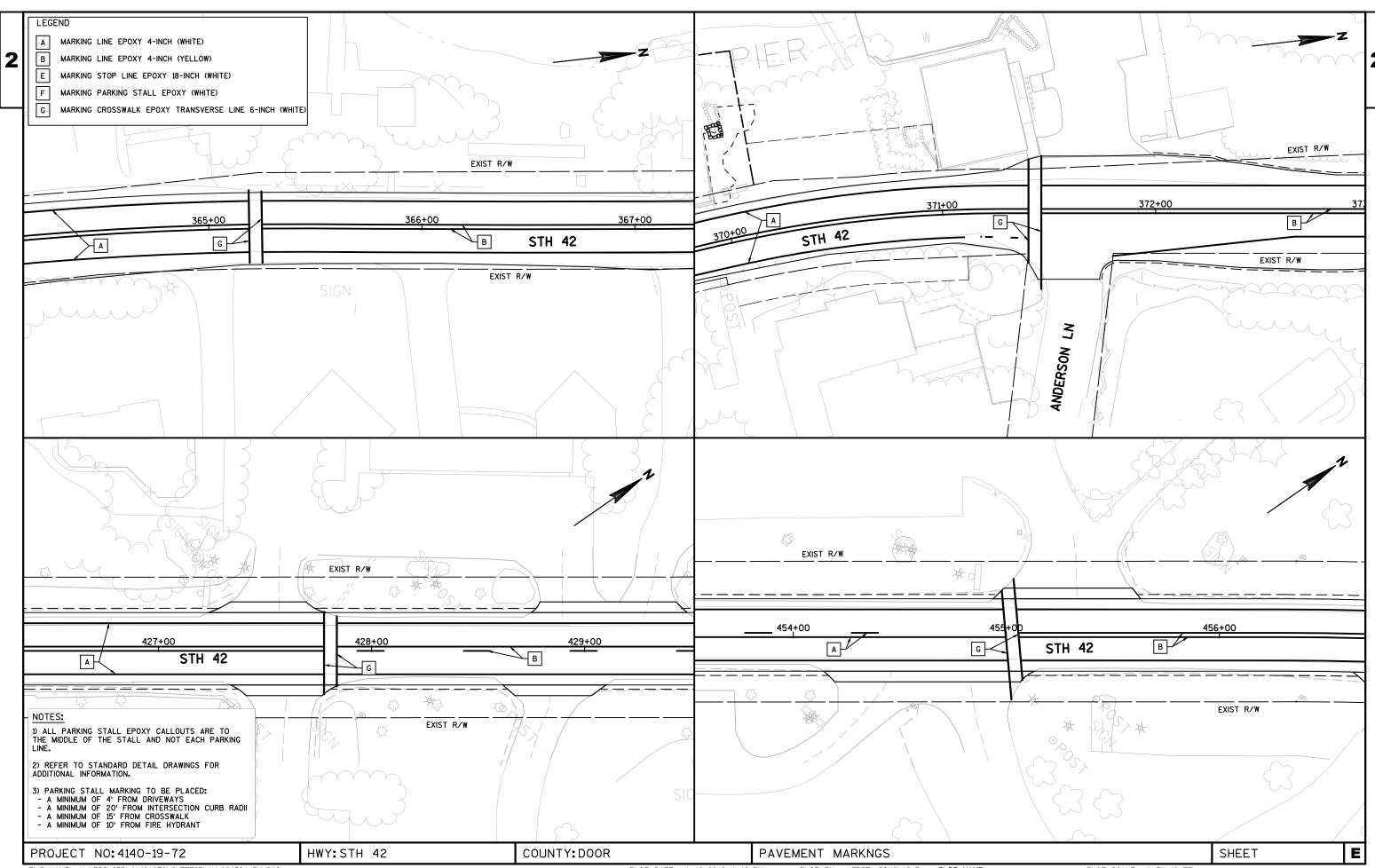


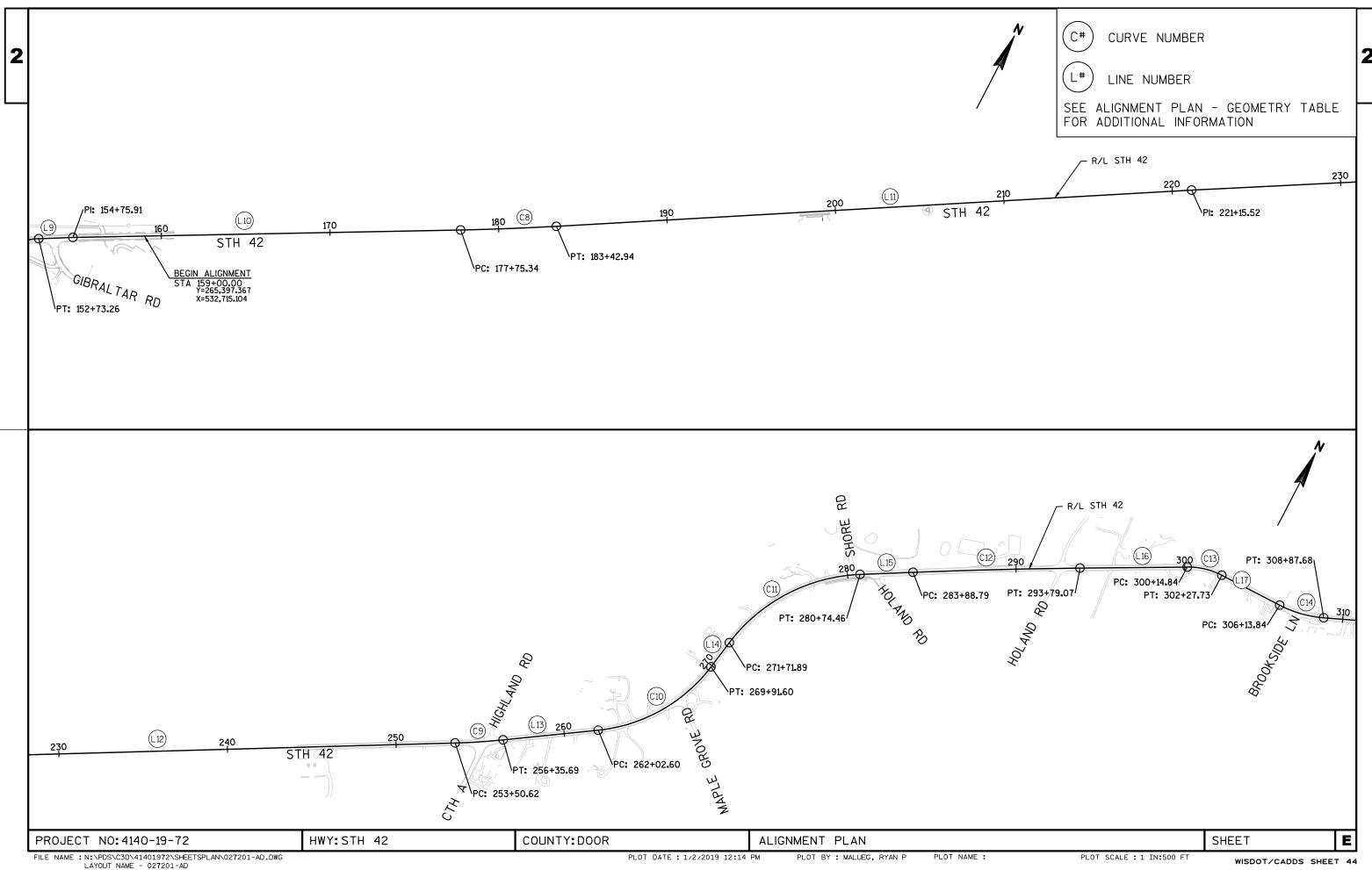




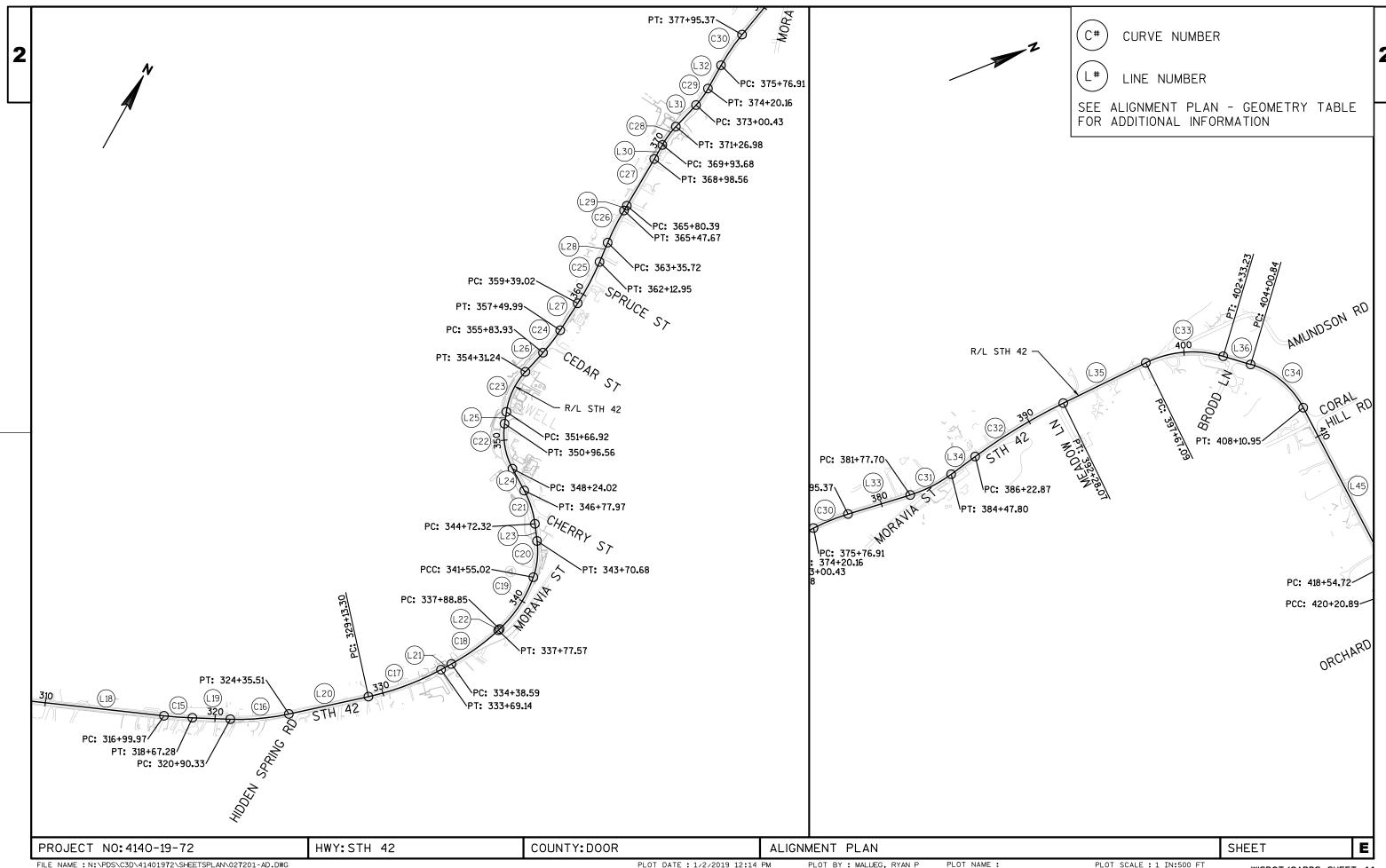








PLOT SCALE : 1 IN:500 FT

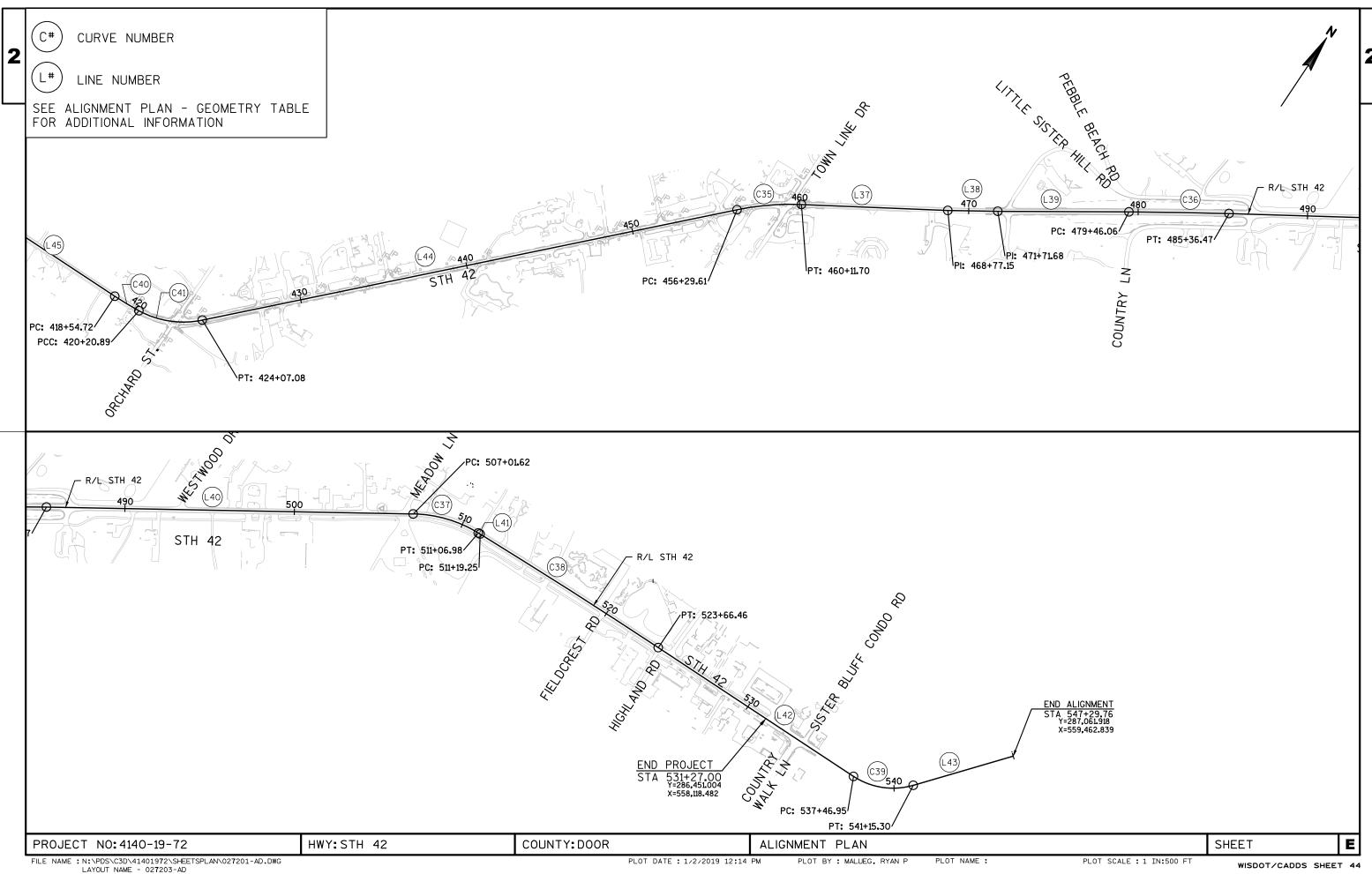


FILE NAME : N:\PDS\C3D\41401972\SHEETSPLAN\027201-AD.DWG LAYOUT NAME - 027202-AD

PLOT DATE: 1/2/2019 12:14 PM

PLOT BY : MALUEG, RYAN P

PLOT SCALE : 1 IN:500 FT



PLOT DATE: 1/2/2019 12:14 PM

PLOT SCALE : 1 IN:500 FT

| 2 | |
|---|--|
| | |
| | |
| | |

| | | | GEOME | ETRY TABLE | | | |
|--------|----------|---------|----------------------|--------------------|------------|------------|----------------|
| Number | Radius | Length | Line/Chord Direction | Start Station | Northing | Easting | Superelevation |
| L9 | | 202.64 | N61°41'46"E | 152+73.26 | 265106.492 | 532159.975 | |
| L10 | | 2299.44 | N62°39'26"E | 154+75.91 | 265202.575 | 532338.392 | |
| C8 | 15096.65 | 567.60 | N61°34'49"E | 177+75.34 | 266258.735 | 534380.923 | NC |
| L11 | | 3772.58 | N60°30'11"E | 183+42.94 | 266528.854 | 534880.085 | |
| L12 | | 3235.11 | N60°55'03"E | 221+15.52 | 268386.385 | 538163.671 | |
| С9 | 3835.00 | 285.06 | N58°47'17"E | 253+50.62 | 269958.872 | 540990.894 | RC |
| L13 | | 566.92 | N56°39'31"E | 256+35.69 | 270106.561 | 541234.641 | |
| C10 | 963.00 | 788.99 | N33°11'13"E | 262+02.60 | 270418.154 | 541708.249 | 6.0% |
| L14 | | 180.29 | N09°42'56"E | 269+91.60 | 271060.139 | 542128.145 | |
| C11 | 1025.00 | 902.57 | N34°56'31"E | 271+71.89 | 271237.842 | 542158.570 | 5.9% |
| L15 | | 314.33 | N60°10'05"E | 280+74.46 | 271954.040 | 542658.974 | |
| C12 | 32085.00 | 990.28 | N61°03'08"E | 283+88.79 | 272110.407 | 542931.654 | NC |
| L16 | | 635.76 | N61°56'11"E | 293+79.07 | 272589.695 | 543798.175 | |
| C13 | 437.00 | 212.89 | N75°53'33"E | 300+14.84 | 272888.791 | 544359.189 | 5.1% |
| L17 | | 386.12 | N89°50'56"E | 302+27.73 | 272940.169 | 544563.623 | |
| C14 | 689.00 | 273.84 | N78°27'47"E | 306+13.84 | 272941.188 | 544949.739 | MATCH EXISTING |
| L18 | | 812.29 | N67°04'38"E | 308+87.68 | 272995.595 | 545216.279 | |
| C15 | 2265.81 | 167.31 | N64°57'43"E | 316+99.97 | 273311.974 | 545964.424 | MATCH EXISTING |
| L19 | | 223.05 | N62°50'47"E | 318+67.28 | 273382.769 | 546115.980 | |
| C16 | 1376.00 | 345.17 | N55°39'36"E | 320+90.33 | 273484.565 | 546314.448 | MATCH EXISTING |
| L20 | | 477.79 | N48°28'25"E | 324+35.51 | 273678.766 | 546598.711 | |
| C17 | 1610.28 | 455.84 | N40°21'50"E | 329+13.30 | 273995.525 | 546956.409 | MATCH EXISTING |
| L21 | | 69.45 | N32°15'15"E | 333+69•14 | 274341.695 | 547250.647 | |
| C18 | 1360.00 | 338.98 | N25°06'49"E | 334+38.59 | 274400.428 | 547287.711 | MATCH EXISTING |
| L22 | | 11.28 | N17°58'24"E | 337+77 . 57 | 274706.568 | 547431.207 | |
| C19 | 741.49 | 366.17 | N03°49'34"E | 337+88.85 | 274717.297 | 547434.688 | MATCH EXISTING |
| C20 | 471.85 | 215.66 | N23°24'53"W | 341+55.02 | 275078.949 | 547458.874 | MATCH EXISTING |
| L23 | | 101.64 | N36°30'29"W | 343+70.68 | 275275.132 | 547373.918 | |
| C21 | 563.59 | 205.65 | N46°57'42"W | 344+72.32 | 275356.831 | 547313.447 | MATCH EXISTING |
| L24 | | 146.05 | N57°24'54"W | 346+77.97 | 275496.409 | 547163.969 | |
| C22 | 427.99 | 272.54 | N39°10'20"W | 348+24.02 | 275575.062 | 547040.910 | MATCH EXISTING |
| L25 | | 70.36 | N20°55'46"W | 350+96 . 56 | 275782.797 | 546871.653 | |
| C23 | 442.00 | 264.31 | N03°47'53"W | 351+66.92 | 275848.517 | 546846.519 | MATCH EXISTING |
| L26 | | 152.70 | N13°19'59"E | 354+31.24 | 276108.337 | 546829.270 | |
| C24 | 982.00 | 166.06 | N08°29'20"E | 355+83.93 | 276256.920 | 546864.484 | MATCH EXISTING |
| L27 | | 189.03 | N03°38'40"E | 357+49.99 | 276420.961 | 546888.967 | |
| C25 | 1553.11 | 273.93 | N01°24'30"W | 359+39.02 | 276609.606 | 546900.983 | MATCH EXISTING |
| L28 | | 122.77 | N06°27'41"W | 362+12.95 | 276883.103 | 546894.258 | |
| C26 | 1454.00 | 211.95 | N02°17'07"W | 363+35.72 | 277005.089 | 546880.443 | MATCH EXISTING |
| L29 | | 32.72 | N01°53'27"E | 365+47.67 | 277216.687 | 546871.999 | |
| C27 | 13700.00 | 318.17 | N01°13'32"E | 365+80.39 | 277249.384 | 546873.079 | MATCH EXISTING |
| L30 | | 95.12 | N00°33'37"E | 368+98.56 | 277567.473 | 546879.884 | |
| C28 | 578.00 | 133.30 | N07°10'01"E | 369+93.68 | 277662.593 | 546880.814 | MATCH EXISTING |

| | | | GEOME | TRY TABLE | | | |
|--------|----------|---------|----------------------|---------------|------------|------------|----------------|
| Number | Radlus | Length | Line/Chord Direction | Start Station | Northing | Easting | Superelevation |
| L31 | | 173.45 | N13°46'25"E | 371+26.98 | 277794.554 | 546897.407 | |
| C29 | 500.00 | 119.73 | N06°54'49"E | 373+00.43 | 277963.020 | 546938.703 | MATCH EXISTING |
| L32 | | 156.75 | N00°03'13"E | 374+20.16 | 278081.595 | 546953.081 | |
| C30 | 1242.00 | 218.46 | N05°05'33"E | 375+76.91 | 278238.342 | 546953.227 | MATCH EXISTING |
| L33 | | 382.33 | N10°07'54"E | 377+95.37 | 278455.662 | 546972.594 | |
| C31 | 795.72 | 270.10 | N00°24'27"E | 381+77.70 | 278832.033 | 547039.850 | NC |
| L34 | | 175.07 | N09°19'00"W | 384+47.80 | 279100.827 | 547041.762 | |
| C32 | 3312.00 | 605.20 | NO4°04'54"W | 386+22.87 | 279273.590 | 547013.420 | MATCH EXISTING |
| L35 | | 539.01 | NO1°09'11"E | 392+28.07 | 279876.420 | 546970.401 | |
| C33 | 627.82 | 466.15 | N22°25'25"E | 397+67.09 | 280415.322 | 546981.248 | 3.1% |
| L36 | | 167.61 | N43°41'39"E | 402+33.23 | 280836.394 | 547155.005 | |
| C34 | 511.00 | 410.11 | N66°41'10"E | 404+00.84 | 280957.582 | 547270.791 | 6.0% |
| L45 | | 1043.77 | N89°40'40"E | 408+10.95 | 281115.570 | 547637.390 | |
| C40 | 1955.04 | 166.17 | N87°14'34"E | 418+54.72 | 281121.439 | 548681.139 | 6.0% |
| C41 | 550.24 | 386.18 | N64°42'04"E | 420+20.89 | 281129.430 | 548847.071 | 6.0% |
| L44 | | 3222.53 | N44°35'40"E | 424+07.08 | 281291.096 | 549189.095 | |
| C35 | 1560.00 | 382.09 | N51°36'41"E | 456+29.61 | 283585.835 | 551451.586 | 6.0% |
| L37 | | 865.45 | N58°37'41"E | 460+11.70 | 283822.519 | 551750.328 | |
| L38 | | 294.53 | N57°07'36"E | 468+77.15 | 284273.067 | 552489,258 | |
| L39 | | 774.38 | N56°31'10"E | 471+71.68 | 284432.933 | 552736.626 | |
| C36 | 23000.00 | 590.41 | N57°15'18"E | 479+46.06 | 284860.121 | 553382.514 | NC |
| L40 | | 2165.15 | N57°59'25"E | 485+36.47 | 285179.466 | 553879.085 | |
| C37 | 762.00 | 405.37 | N73°13'49"E | 507+01.62 | 286327.129 | 555715.040 | 6.0% |
| L41 | | 12.26 | N88°28'13"E | 511+06.98 | 286442.713 | 556098.606 | |
| C38 | 37826.00 | 1247.21 | N89°24'54"E | 511+19.25 | 286443.040 | 556110.867 | NC |
| L42 | | 1380.49 | S89°38'26"E | 523+66.46 | 286455.776 | 557357.956 | |
| C39 | 424.00 | 368.34 | N65°28'19"E | 537+46.95 | 286447.114 | 558738.422 | |
| L43 | | 614.46 | N40°35'04"E | 541+15.30 | 286595.264 | 559063.087 | |

PROJECT NO:4140-19-72 HWY:STH 42 COUNTY:DOOR ALIGNMENT PLAN - GEOMETRY TABLE SHEET **E**

| | | | | | 4140-19-72 |
|------|------------|--|------|-------------|-------------|
| Line | Item | Item Description | Unit | Total | Qty |
| 0002 | 201.0105 | Clearing | STA | 3.000 | 3.000 |
| 0002 | 201.0105 | Grubbing | STA | 3.000 | 3.000 |
| 0004 | 201.0205 | Removing Small Pipe Culverts | EACH | 1.000 | 1.000 |
| 0008 | 203.0100 | · | | | |
| | | Removing Asphaltic Surface Butt Joints | SY | 1,160.000 | 1,160.000 |
| 0010 | 204.0120 | Removing Asphaltic Surface Milling | SY | 140,330.000 | 140,330.000 |
| 0012 | 204.0165 | Removing Guardrail | LF | 1,740.000 | 1,740.000 |
| 0014 | 204.0215 | Removing Catch Basins | EACH | 1.000 | 1.000 |
| 0016 | 204.0220 | Removing Inlets | EACH | 2.000 | 2.000 |
| 0018 | 204.0245 | Removing Storm Sewer (size) 01. 12-Inch | LF | 63.000 | 63.000 |
| 0020 | 204.0245 | Removing Storm Sewer (size) 02. 15-Inch | LF | 66.000 | 66.000 |
| 0022 | 204.0245 | Removing Storm Sewer (size) 03. 18-Inch | LF | 8.000 | 8.000 |
| 0024 | 204.0280 | Sealing Pipes | EACH | 1.000 | 1.000 |
| 0026 | 204.0291.S | Abandoning Sewer | CY | 2.000 | 2.000 |
| 0028 | 205.0100 | Excavation Common | CY | 827.000 | 827.000 |
| 0030 | 205.0200 | Excavation Rock | CY | 31.000 | 31.000 |
| 0032 | 211.0100 | Prepare Foundation for Asphaltic Paving (project) 01. 4140-19-72 | LS | 1.000 | 1.000 |
| 0034 | 211.0400 | Prepare Foundation for Asphaltic Shoulders | STA | 50.000 | 50.000 |
| 0036 | 213.0100 | Finishing Roadway (project) 01. 4140-19-72 | EACH | 1.000 | 1.000 |
| 0038 | 305.0110 | Base Aggregate Dense 3/4-Inch | TON | 5,220.000 | 5,220.000 |
| 0040 | 305.0120 | Base Aggregate Dense 1 1/4-Inch | TON | 2,705.000 | 2,705.000 |
| 0042 | 305.0500 | Shaping Shoulders | STA | 52.000 | 52.000 |
| 0044 | 315.0100 | Asphaltic Base | TON | 70.000 | 70.000 |
| 0044 | 455.0605 | Tack Coat | GAL | 15,750.000 | 15,750.000 |
| 0048 | 460.0105.S | HMA Percent Within Limits (PWL) Test Strip Volumetrics | | 2.000 | 2.000 |
| | | , , , | | | |
| 0050 | 460.0110.S | HMA Percent Within Limits (PWL) Test Strip Density | EACH | 2.000 | 2.000 |
| 0052 | 460.2005 | Incentive Density PWL HMA Pavement | DOL | 20,141.000 | 20,141.000 |
| 0054 | 460.2007 | Incentive Density HMA Pavement Longitudinal Joints | DOL | 13,853.000 | 13,853.000 |
| 0056 | 460.2010 | Incentive Air Voids HMA Pavement | DOL | 29,990.000 | 29,990.000 |
| 0058 | 460.5223 | HMA Pavement 3 LT 58-28 S | TON | 14,800.000 | 14,800.000 |
| 0060 | 460.5224 | HMA Pavement 4 LT 58-28 S | TON | 15,190.000 | 15,190.000 |
| 0062 | 465.0120 | Asphaltic Surface Driveways and Field Entrances | TON | 286.000 | 286.000 |
| 0064 | 465.0475 | Asphalt Centerline Rumble Strips 2-Lane Rural | LF | 5,181.000 | 5,181.000 |
| 0066 | 520.8000 | Concrete Collars for Pipe | EACH | 1.000 | 1.000 |
| 0068 | 521.1030 | Apron Endwalls for Culvert Pipe Steel 30-Inch | EACH | 2.000 | 2.000 |
| 0070 | 521.3130 | Culvert Pipe Corrugated Steel 30-Inch | LF | 4.000 | 4.000 |
| 0072 | 522.1024 | Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch | EACH | 1.000 | 1.000 |
| 0074 | 606.0200 | Riprap Medium | CY | 2.000 | 2.000 |
| 0076 | 608.0005 | Storm Sewer Rock Excavation | CY | 14.000 | 14.000 |
| 3010 | 000.0000 | Storm Sower Rook Expandion | 01 | 17.000 | 17.000 |

| | | Item Description Storm Sewer Pipe Reinforced Concrete Class IV 12- | Unit | Total | 01 | |
|----------|-----------|--|------|-----------|-----------|--|
| 0078 608 | | | | | Qty | |
| | 08.0415 | Inch | LF | 63.000 | 63.000 | |
| 0080 608 | | Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch | LF | 20.000 | 20.000 | |
| 0082 608 | 08.0418 | Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch | LF | 103.000 | 103.000 | |
| 0084 608 | 08.0424 | Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch | LF | 37.000 | 37.000 | |
| 0086 611 | 11.0535 | Manhole Covers Type J-Special | EACH | 1.000 | 1.000 | |
| 0088 611 | 11.0612 | Inlet Covers Type C | EACH | 2.000 | 2.000 | |
| 0090 611 | 11.0645 | Inlet Covers Type MS-A | EACH | 1.000 | 1.000 | |
| 0092 611 | 11.1003 | Catch Basins 3-FT Diameter | EACH | 2.000 | 2.000 | |
| 0094 611 | 11.2005 | Manholes 5-FT Diameter | EACH | 1.000 | 1.000 | |
| 0096 611 | 11.8110 | Adjusting Manhole Covers | EACH | 32.000 | 32.000 | |
| 0098 611 | 11.8120.S | Cover Plates Temporary | EACH | 32.000 | 32.000 | |
| 0100 614 | 14.2300 | MGS Guardrail 3 | LF | 1,266.000 | 1,266.000 | |
| 0102 614 | 14.2330 | MGS Guardrail 3 K | LF | 575.000 | 575.000 | |
| 0104 614 | 14.2610 | MGS Guardrail Terminal EAT | EACH | 4.000 | 4.000 | |
| 0106 618 | 18.0100 | Maintenance And Repair of Haul Roads (project) 01. 4140-19-72 | EACH | 1.000 | 1.000 | |
| 0108 619 | 19.1000 | Mobilization | EACH | 1.000 | 1.000 | |
| 0110 624 | 24.0100 | Water | MGAL | 30.500 | 30.500 | |
| 0112 625 | 25.0100 | Topsoil | SY | 699.000 | 699.000 | |
| 0114 625 | 25.0500 | Salvaged Topsoil | SY | 3,353.000 | 3,353.000 | |
| 0116 627 | 27.0200 | Mulching | SY | 1,235.000 | 1,235.000 | |
| 0118 628 | 28.1504 | Silt Fence | LF | 3,809.000 | 3,809.000 | |
| 0120 628 | 28.1520 | Silt Fence Maintenance | LF | 3,809.000 | 3,809.000 | |
| 0122 628 | 28.1905 | Mobilizations Erosion Control | EACH | 4.000 | 4.000 | |
| 0124 628 | 28.1910 | Mobilizations Emergency Erosion Control | EACH | 4.000 | 4.000 | |
| 0126 628 | 28.2004 | Erosion Mat Class I Type B | SY | 3,097.000 | 3,097.000 | |
| 0128 628 | 28.7010 | Inlet Protection Type B | EACH | 11.000 | 11.000 | |
| | | Inlet Protection Type D | EACH | 2.000 | 2.000 | |
| 0132 628 | 28.7504 | Temporary Ditch Checks | LF | 20.000 | 20.000 | |
| | | Culvert Pipe Checks | EACH | 24.000 | 24.000 | |
| | 28.7570 | Rock Bags | EACH | 126.000 | 126.000 | |
| | 29.0210 | Fertilizer Type B | CWT | 3.300 | 3.300 | |
| 0140 630 | | Seeding Mixture No. 30 | LB | 45.000 | 45.000 | |
| 0142 630 | 30.0140 | Seeding Mixture No. 40 | LB | 33.000 | 33.000 | |
| | 30.0200 | Seeding Temporary | LB | 85.000 | 85.000 | |
| 0146 633 | 33.5200 | Markers Culvert End | EACH | 3.000 | 3.000 | |
| 0148 634 | 34.0614 | Posts Wood 4x6-Inch X 14-FT | EACH | 125.000 | 125.000 | |

| | | | | | 4140-19-72 |
|------|------------|--|------|------------|------------|
| Line | Item | Item Description | Unit | Total | Qty |
| 0150 | 634.0616 | Posts Wood 4x6-Inch X 16-FT | EACH | 62.000 | 62.000 |
| 0152 | 637.2210 | Signs Type II Reflective H | SF | 756.540 | 756.540 |
| 0154 | 637.2230 | Signs Type II Reflective F | SF | 461.420 | 461.420 |
| 0156 | 638.2602 | Removing Signs Type II | EACH | 163.000 | 163.000 |
| 0158 | 638.3000 | Removing Small Sign Supports | EACH | 173.000 | 173.000 |
| 0160 | 642.5401 | Field Office Type D | EACH | 1.000 | 1.000 |
| 0162 | 643.0300 | Traffic Control Drums | DAY | 1,095.000 | 1,095.000 |
| 0164 | 643.0310.S | Temporary Portable Rumble Strips | LS | 1.000 | 1.000 |
| 0166 | 643.0900 | Traffic Control Signs | DAY | 3,766.000 | 3,766.000 |
| 0168 | 643.1050 | Traffic Control Signs PCMS | DAY | 28.000 | 28.000 |
| 0170 | 643.5000 | Traffic Control | EACH | 1.000 | 1.000 |
| 0172 | 645.0120 | Geotextile Type HR | SY | 5.000 | 5.000 |
| 0174 | 646.1020 | Marking Line Epoxy 4-Inch | LF | 27,790.000 | 27,790.000 |
| 0176 | 646.1040 | Marking Line Grooved Wet Ref Epoxy 4-Inch | LF | 43,400.000 | 43,400.000 |
| 0178 | 646.4520 | Marking Line Same Day Epoxy 4-Inch | LF | 45,956.000 | 45,956.000 |
| 0180 | 646.6120 | Marking Stop Line Epoxy 18-Inch | LF | 34.000 | 34.000 |
| 0182 | 646.7420 | Marking Crosswalk Epoxy Transverse Line 6-Inch | LF | 1,060.000 | 1,060.000 |
| 0184 | 646.8320 | Marking Parking Stall Epoxy | LF | 894.000 | 894.000 |
| 0186 | 648.0100 | Locating No-Passing Zones | MI | 6.960 | 6.960 |
| 0188 | 649.0105 | Temporary Marking Line Paint 4-Inch | LF | 81,375.000 | 81,375.000 |
| 0190 | 649.0120 | Temporary Marking Line Epoxy 4-Inch | LF | 1,236.000 | 1,236.000 |
| 0192 | 650.4000 | Construction Staking Storm Sewer | EACH | 5.000 | 5.000 |
| 0194 | 650.4500 | Construction Staking Subgrade | LF | 3,047.000 | 3,047.000 |
| 0196 | 650.5000 | Construction Staking Base | LF | 3,047.000 | 3,047.000 |
| 0198 | 650.6000 | Construction Staking Pipe Culverts | EACH | 1.000 | 1.000 |
| 0200 | 650.8000 | Construction Staking Resurfacing Reference | LF | 34,633.000 | 34,633.000 |
| 0202 | 650.9910 | Construction Staking Supplemental Control (project) 01. 4140-19-72 | LS | 1.000 | 1.000 |
| 0204 | 650.9920 | Construction Staking Slope Stakes | LF | 3,047.000 | 3,047.000 |
| 0206 | 690.0150 | Sawing Asphalt | LF | 4,953.000 | 4,953.000 |
| 0208 | 740.0440 | Incentive IRI Ride | DOL | 13,118.000 | 13,118.000 |
| 0210 | SPV.0060 | Special 01. Reconnecting Storm Sewer Laterals | EACH | 2.000 | 2.000 |
| 0212 | SPV.0060 | Special 02. Inlets Median 1 Grate Special | EACH | 1.000 | 1.000 |

3

CLEARING AND GRUBBING

201.0105 201.0205 CLEARING GRUBBING

| CATEGORY | STATION | TO | STATION | LOCATION | STA | STA | REMARKS |
|----------|---------|----|---------|---------------|-----|-----|-------------------------------------|
| 0010 | 474+62 | | 476+94 | STH 42 LT | 3 | 3 | CLEAR UP TO 5' FROM SLOPE INTERCEPT |
| | | | | | | | |
| | | | | SUBTOTAL 0010 | 3 | 3 | |
| | | | | | | | |
| | | | | TOTAL | 3 | 3 | |

REMOVING GUARDRAIL

| | | KENOVING | - GOVINDINATE | |
|----------|------------|----------|---------------|----------|
| | | | | 204.0165 |
| CATEGORY | STATION TO | STATION | LOCATION | LF |
| 0010 | 475+86 - | 484+61 | STH 42 RT | 876 |
| 0010 | 475+92 - | 484+54 | STH 42 LT | 864 |
| | | | | |
| | | | SUBTOTAL 0010 | 1,740 |
| | | | | |
| | • | | TOTAL | 1 740 |

REMOVING DRAINAGE

| | | 203.0100 REMOVING SMALL | 204.0215 REMOVING | 204.0220 REMOVING | 204.0245.01 REMOVING STORM | 204.0245.02 SEWER - REINFO | 204.0245.03 RCED CONCRETE* | 204.0280 SEALING PIPES | 204.0291.S ABANDONING | |
|----------------------|---------------|----------------------------|----------------------|----------------------|-------------------------------|-------------------------------|----------------------------|---------------------------|--------------------------|---------------------------|
| | | CULVERT PIPE | CATCH BASINS | INLETS | 12-INCH OR LESS | 15-INCH | 18-INCH | _ | SEWER | |
| CATG STA. TO STA. | LOCATION | EACH | EACH | EACH | LF | LF | LF | EACH | CY | REMARKS |
| 0010 347+75 - 348+09 | STH 42 | | 1 | | 63 | | | | | CORRUGATED METAL PIPE |
| 0010 370+03 - 370+07 | STH 42 | | | 1 | | 66 | | | | CORRUGATED METAL PIPE |
| 0010 370+90 - 371+08 | STH 42 | | | 1 | | | 8 | 1 | 2 | (1) |
| 0010 450+33 | STH 42 RT | 1 | | | | | | | | REMOVE EXISTING METAL AEW |
| | SUBTOTAL 0010 | 1 | 1 | 2 | 63 | 66 | 8 | 1 | 2 | |
| | TOTAL | 1 | 1 | 2 | 63 | 66 | 8 | 1 | 2 | |

⁽¹⁾ REMOVE PORTION OF CORRUGATED METAL PIPE THAT EXTRUDES FROM EXISTING GRADE

REMOVING ASPHALT

204.0120

REMOVING ASPHALTIC SURFACE MILLING

| CATG. | STATION | LOCATION | DESCRIPTION | SY | REMARKS |
|-------|-----------------|----------------|--|---------|---------|
| 0010 | 159+00 - 306+00 | STH 42 | BEGINNING OF PROJECT TO BROOKSIDE LANE | 57,110 | |
| 0010 | 306+00 - 317+25 | STH 42 | BROOKSIDE LANE TO SOUTH EXEMPT LIMITS | 4,600 | |
| 0010 | 343+19 - 384+00 | STH 42 | NORTH EXEMPT LIMITS TO N. JCT MORAVIA STREET | 18,320 | |
| 0010 | 384+00 - 531+27 | STH 42 | N. JCT MORAVIA STREET TO END OF PROJECT | 55,850 | |
| 0010 | 96+50 - 531+27 | STH 42 LT & RT | INTERSECTIONS AND DRIVEWAYS | 4,450 | |
| | | _ | SUBTOTAL 0010 | 140,330 | |
| | | | TOTAL | 140,330 | |

PROJECT NO: 4140-19-72 HWY: STH 42 COUNTY: DOOR MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT DATE: June 14, 1911

PLOT BY: A.R.H.

PLOT NAME :

PLOT SCALE: 1:1

REMOVING ASPHALTIC SURFACE BUTT JOINTS

204.0115
REMOVING ASPHALTIC SURFACE
BUTT JOINTS

204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS

PHALTIC SURFACE

I JOINTS

SY REMARKS

CATEGORY STATION LOCATION

SY

REMOVING ASPHALTIC SURFACE

REMOVING ASPHALTIC SURFACE

REMOVING ASPHALTIC SURFACE

BUTT JOINTS

204.0115

| | | | BUTT JOINTS | | | | | BUTT JOINTS | | | | | BUTT JOINTS | |
|----------|---------|-----------|-------------|----------------------------|----------|---------|-----------|-------------|------------------------|----------|---------------------------------------|---------------|-------------|-------------------------|
| CATEGORY | STATION | LOCATION | SY | REMARKS | CATEGORY | STATION | LOCATION | SY | REMARKS | CATEGORY | STATION | LOCATION | SY | REMARKS |
| 0010 | 159+00 | STH 42 | 7 | BEGIN PROJECT | 0010 | 371+58 | STH 42 RT | 7 | ANDERSON LANE EAST | 0010 | 448+46 | STH 42 LT | 7 | |
| 0010 | 163+72 | STH 42 RT | 5 | DWY | 0010 | 371+72 | STH 42 LT | 12 | ANDERSON LANE WEST | 0010 | 450+54 | STH 42 RT | 6 | |
| 0010 | 164+96 | STH 42 RT | 7 | | 0010 | 373+64 | STH 42 LT | 6 | | 0010 | 451+77 | STH 42 LT | 5 | SHANNON LANE |
| 0010 | 167+69 | STH 42 RT | 9 | | 0010 | 377+24 | STH 42 LT | 6 | | 0010 | 454+63 | STH 42 RT | 19 | |
| 0010 | 169+02 | STH 42 RT | 11 | | 0010 | 380+19 | STH 42 LT | 5 | | 0010 | 455+28 | STH 42 LT | 13 | |
| 0010 | 171+85 | STH 42 RT | 10 | | 0010 | 380+54 | STH 42 LT | 5 | | 0010 | 457+02 | STH 42 RT | 10 | |
| 0010 | 175+58 | STH 42 RT | 10 | | 0010 | 381+00 | STH 42 LT | 4 | | 0010 | 458+95 | STH 42 RT | 8 | TOWNLINE ROAD |
| 0010 | 179+69 | STH 42 RT | 19 | | 0010 | 381+75 | STH 42 LT | 8 | | 0010 | 459+79 | STH 42 LT | 5 | TOWNLINE ROAD |
| 0010 | 189+16 | STH 42 RT | 5 | | 0010 | 382+45 | STH 42 RT | 6 | MORAVIA STREET (NORTH) | 0010 | 467+83 | STH 42 RT | 8 | |
| 0010 | 195+27 | STH 42 RT | 3 | | 0010 | 382+60 | STH 42 LT | 6 | • | 0010 | 472+37 | STH 42 RT | 8 | NORDIC DRIVE |
| 0010 | 196+67 | STH 42 RT | 9 | | 0010 | 383+09 | STH 42 LT | 13 | | 0010 | 472+39 | STH 42 LT | 6 | LITTLE SISTER HILL ROAD |
| 0010 | 202+23 | STH 42 RT | 17 | | 0010 | 384+15 | STH 42 RT | 11 | | 0010 | 486+55 | STH 42 RT | 6 | COUNTRY LANE |
| 0010 | 206+78 | STH 42 RT | 10 | | 0010 | 385+29 | STH 42 RT | 5 | | 0010 | 486+57 | STH 42 LT | 6 | LITTLE SISTER ROAD |
| 0010 | 229+31 | STH 42 RT | 4 | | 0010 | 385+92 | STH 42 LT | 34 | | 0010 | 490+57 | STH 42 RT | 10 | |
| 0010 | 242+25 | STH 42 RT | 13 | | 0010 | 387+36 | STH 42 LT | 3 | | 0010 | 492+01 | STH 42 RT | 6 | |
| 0010 | 244+98 | STH 42 RT | 15 | | 0010 | 388+61 | STH 42 LT | 3 | | 0010 | 493+40 | STH 42 LT | 5 | WESTWOOD DRIVE |
| 0010 | 254+90 | STH 42 RT | 7 | CTH A SOUTH | 0010 | 389+64 | STH 42 LT | 3 | | 0010 | 495+17 | STH 42 RT | 6 | HESTHOOD BREVE |
| 0010 | 255+71 | STH 42 LT | 7 | CTH A NORTH | 0010 | 390+94 | STH 42 LT | 3 | | 0010 | 496+70 | STH 42 LT | 25 | |
| 0010 | 256+75 | STH 42 RT | 8 | CIII A NOKIII | 0010 | 391+87 | STH 42 RT | 5 | MEADOW LANE | 0010 | 497+31 | STH 42 RT | 11 | |
| 0010 | 259+13 | STH 42 RT | 7 | | 0010 | 393+00 | STH 42 LT | 5 | MEADOW LANE | 0010 | 498+10 | STH 42 RT | 8 | |
| 0010 | 263+39 | STH 42 LT | 7 | | 0010 | 394+30 | STH 42 LT | | | 0010 | 498+14 | STH 42 LT | 8 | |
| 0010 | 264+21 | STH 42 LT | 7 | | | | | 3 | | 0010 | 498+82 | STH 42 LT | 10 | |
| 0010 | 267+23 | STH 42 RT | , | MARI E CROVE ROAD | 0010 | 395+20 | STH 42 RT | 4 | | | | | | |
| 0010 | 269+74 | STH 42 KT | 3 | MAPLE GROVE ROAD | 0010 | 395+62 | STH 42 RT | 4 | | 0010 | 499+79 | STH 42 LT | 12 | |
| 0010 | 271+39 | STH 42 LT | 4 | | 0010 | 396+78 | STH 42 LT | 4 | | 0010 | 500+65 | STH 42 RT | 15 | |
| 0010 | 271+39 | STH 42 ET | | | 0010 | 397+56 | STH 42 RT | 3 | | 0010 | 501+73 | STH 42 LT | 5 | |
| | 273+98 | STH 42 KT | 6 | | 0010 | 398+75 | STH 42 RT | 4 | | 0010 | 502+38 | STH 42 LT | 5 | |
| 0010 | | | 7 | | 0010 | 398+92 | STH 42 LT | 10 | NORTH SHORE RD | 0010 | 504+16 | STH 42 LT | 6 | FOREST LANE |
| 0010 | 280+32 | STH 42 LT | 5 | SHORE ROAD | 0010 | 399+62 | STH 42 RT | 3 | | 0010 | 506+51 | STH 42 RT | 16 | |
| 0010 | 281+78 | STH 42 RT | 5 | HOLAND ROAD (SOUTH) | 0010 | 399+81 | STH 42 LT | 20 | AMUNDSON ROAD | 0010 | 506+64 | STH 42 LT | 9 | MEADOW LANE |
| 0010 | 288+32 | STH 42 LT | 6 | | 0010 | 401+05 | STH 42 RT | 6 | | 0010 | 508+02 | STH 42 LT | 8 | |
| 0010 | 292+46 | STH 42 RT | 6 | HOLAND ROAD (NORTH) | 0010 | 403+00 | STH 42 RT | 6 | BRODD LANE | 0010 | 512+66 | STH 42 LT | 8 | |
| 0010 | 292+76 | STH 42 LT | 8 | CRYSTAL SPRINGS ROAD | 0010 | 409+05 | STH 42 LT | 8 | N CORAL HILL ROAD | 0010 | 514+45 | STH 42 RT | 6 | |
| 0010 | 295+80 | STH 42 LT | 4 | | 0010 | 409+15 | STH 42 RT | 6 | S CORAL HILL ROAD | 0010 | 514+52 | STH 42 LT | 4 | |
| 0010 | 302+02 | STH 42 RT | 4 | | 0010 | 410+25 | STH 42 RT | 3 | | 0010 | 516+03 | STH 42 RT | 9 | |
| 0010 | 304+27 | STH 42 RT | 4 | | 0010 | 413+65 | STH 42 RT | 7 | | 0010 | 516+03 | STH 42 LT | 5 | |
| 0010 | 305+58 | STH 42 RT | 3 | | 0010 | 414+76 | STH 42 RT | 8 | | 0010 | 519+34 | STH 42 LT | 8 | |
| 0010 | 307+23 | STH 42 RT | 8 | BROOKSIDE LANE | 0010 | 415+65 | STH 42 RT | 3 | | 0010 | 519+85 | STH 42 RT | 8 | FIELDCREST ROAD |
| 0010 | 311+83 | STH 42 LT | 4 | | 0010 | 422+17 | STH 42 RT | 5 | S ORCHARD STREET | 0010 | 521+87 | STH 42 RT | 10 | |
| 0010 | 312+65 | STH 42 LT | 7 | | 0010 | 422+56 | STH 42 RT | 4 | | 0010 | 523+77 | STH 42 RT | 6 | S HIGHLAND ROAD |
| 0010 | 317+25 | STH 42 | 8 | SOUTH EXEMPT LIMITS | 0010 | 422+84 | STH 42 LT | 7 | N ORCHARD STREET | 0010 | 524+49 | STH 42 LT | 7 | N HIGHLAND ROAD |
| 0010 | 343+19 | STH 42 | 9 | NORTH EXEMPT LIMITS | 0010 | 427+51 | STH 42 LT | 8 | | 0010 | 525+09 | STH 42 LT | 5 | |
| 0010 | 345+12 | STH 42 RT | 4 | CHERRY STREET | 0010 | 427+59 | STH 42 RT | 8 | | 0010 | 526+12 | STH 42 LT | 8 | |
| 0010 | 351+52 | STH 42 RT | 9 | СТН Q | 0010 | 428+86 | STH 42 RT | 8 | | 0010 | 527+01 | STH 42 RT | 10 | |
| 0010 | 356+57 | STH 42 RT | 6 | CEDAR ST | 0010 | 429+11 | STH 42 LT | 14 | | 0010 | 527+42 | STH 42 LT | 6 | |
| 0010 | 359+89 | STH 42 RT | 3 | DWY | 0010 | 430+79 | STH 42 LT | 7 | | 0010 | 528+20 | STH 42 RT | 7 | |
| 0010 | 360+88 | STH 42 RT | 5 | SPRUCE ST | 0010 | 431+64 | STH 42 LT | 6 | | 0010 | 528+39 | STH 42 LT | 5 | |
| 0010 | 362+45 | STH 42 RT | 4 | | 0010 | 433+85 | STH 42 LT | 9 | | 0010 | 529+83 | STH 42 LT | 7 | |
| 0010 | 365+00 | STH 42 RT | 4 | | 0010 | 435+34 | STH 42 LT | 6 | BELLA VISTA LANE | 0010 | 531+27 | STH 42 | 9 | END PROJECT |
| 0010 | 366+00 | STH 42 RT | 5 | | 0010 | 436+69 | STH 42 LT | 5 | | | | | | |
| 0010 | 367+19 | STH 42 RT | 4 | | 0010 | 440+42 | STH 42 RT | 11 | | | | SUBTOTAL 0010 | 1160 | |
| 0010 | 368+67 | STH 42 RT | 3 | | 0010 | 441+37 | STH 42 LT | 4 | | | | | | |
| 0010 | 368+76 | STH 42 LT | 6 | | 0010 | 445+00 | STH 42 RT | 14 | | | · · · · · · · · · · · · · · · · · · · | TOTAL | 1160 | |
| 0010 | 369+30 | STH 42 LT | 3 | | 0010 | 447+23 | STH 42 LT | 6 | | | | | | |
| 0010 | 369+43 | STH 42 RT | 3 | DWY, DO NOT DISTURB PAVERS | 0010 | 447+72 | STH 42 RT | 6 | | | | | | |
| 0010 | 369+84 | STH 42 RT | 3 | DWY, DO NOT DISTURB PAVERS | 0010 | | | 9 | | | | | | |
| 0010 | 369+43 | STH 42 RT | 3 3 3 | | 0010 | | | 6 6 9 | | | | | | |

| Division | From/To Station | | i.0100 Excavation | Salvaged/Unusable Pavement Material | Available Material | 205.0200 Rock Excavation | Expanded Rock (1) | Unexpanded Fill | Expanded Fill (2) | Mass Ordinate +/- (3) | Waste | 208.0100 Borrow | Comment: |
|---------------------------------------|---------------------|-----|----------------------|--|-----------------------|-----------------------------|----------------------|--------------------|-------------------|-----------------------|-------|--------------------|----------|
| CATG 0010-Division 1 | | Cut | EBS Excavation (3) | | | | Factor 1.10 | | Factor 1.25 | | | | |
| STH 42 - ORCHARD RD SHOULDER WIDENING | 425+49.59/459+19.96 | 347 | | | 347 | 31 | 34 | 99 | 81 | 266 | 266 | | |
| CATG 0010-Division 1 Subtotal | | 347 | | | 347 | 31 | 34 | 99 | 81 | 266 | 266 | | |
| CATG 0010-Division 2 | | | | | | | | | | | | | |
| STH 42 BEAMGUARD | 473+91.68/486+32.44 | 478 | | | 478 | | | 268 | 335 | 142 | 142 | | |
| CATG 0010-Division 2 Subtotal | | 478 | | | 478 | | | 268 | 335 | 142 | 142 | | |
| CATG 0010-Division 3 | | | | | | | | | | | | | |
| STH 42 - ANDERSON PROPERTY | 370+83/370+95 | 2 | | | 2 | | | | | 2 | 2 | | |
| CATG 0010-Division 3 Subtotal | | 2 | | | 2 | | | | | 2 | 2 | | |
| SUBTOTAL 0010 | | 3 | 327 | | 827 | 31 | 34 | 367 | 416 | 411 | 411 | | |
| | TOTAL | 8 | 327 | | 827 | 31 | 34 | 367 | 416 | 411 | 411 | | |

Notes:

(1) Expanded Rock Factor = 1.1

(2) Expanding Fill Factor = 1.25

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

(3) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

| | | | | | BASE A | <u>IGGREGATES</u> | | |
|----------|--------|-------|--------|---------------|-------------------------------|-------------------------------------|----------|-----------------------------------|
| | | | | | 305.0110 | 305.0120 | 624.0100 | |
| | | | | | BASE AGGREGATE DENSE 3/4-INCH | BASE AGGREGATE DENSE 1 1/4-INCH* | WATER | |
| CATEGORY | FROM | | то | LOCATION | TON | TON | MGAL | REMARKS |
| 0010 | 159+00 | - | 306+00 | STH 42 | 2,250 | | | |
| 0010 | 306+00 | - | 317+25 | STH 42 | 50 | | | |
| 0010 | 343+19 | - | 372+00 | STH 42 | | 180 | 1.8 | INCLUDES STORM SEWER INSTALLATION |
| 0010 | 372+00 | - | 384+00 | STH 42 | 200 | | | |
| 0010 | 384+00 | - | 423+20 | STH 42 | 580 | | | |
| 0010 | 423+20 | - | 459+20 | STH 42 | 530 | 1,050 | 5.9 | INCLDUES ORCHARD SHLDR WIDENING |
| 0010 | 474+00 | - | 486+30 | STH 42 | 225 | 975 | 8.6 | BEAMGUARD |
| 0010 | 459+20 | - | 528+40 | STH 42 | 845 | | 9.2 | EXCLUDES BEAMGUARD |
| 0010 | 528+40 | - | 531+27 | STH 42 | 40 | | | |
| 0010 | UNDI | STRIB | UTED | STH 42 | 500 | 500 | 5.0 | |
| | | | | SUBTOTAL 0010 | 5,220 | 2,705 | 30.5 | _ |
| | | | | TOTAL | 5,220 | 2,705 | 30.5 | |

SHAPING SHOULDERS

| | | | | | 305.0500 | |
|----------|---------|----|---------|---------------|----------|--|
| CATEGORY | STATION | TO | STATION | LOCATION | STA | REMAKRS |
| 0010 | 372+00 | - | 423+23 | STH 42 | 52 | BLADE AND SHAPE EXISTING SHOULDER MATERIAL TO CREATE UNIFORM |
| | | | | | | GRAVEL BASE TO PLACE PROPOSED SHOULDERING MATERIAL ONTO. |
| | | | | SUBTOTAL 0010 | 52 | |
| | | | | | | |
| | | | | TOTAL | 52 | |

STONE AND FABRIC

ASPHALT CENTER LINE RUMBLE STRIPS 2-LANE RURAL

| | | | | | 465.0475 | |
|----------|---------|----|---------|---------------|----------|---------|
| CATEGORY | STATION | то | STATION | LOCATION | LF | REMARKS |
| 0010 | 190+00 | - | 190+42 | STH 42 | 42 | |
| 0010 | 192+42 | - | 197+17 | STH 42 | 475 | |
| 0010 | 200+36 | - | 201+23 | STH 42 | 87 | |
| 0010 | 203+23 | - | 205+78 | STH 42 | 255 | |
| 0010 | 207+78 | - | 241+25 | STH 42 | 3,347 | |
| 0010 | 243+25 | - | 243+98 | STH 42 | 73 | |
| 0010 | 245+98 | - | 255+00 | STH 42 | 902 | |
| | | | | | | |
| | | | • | SUBTOTAL 0010 | 5,181 | |
| | | | | | | |
| | | | | TOTAL | 5,181 | |

PROJECT NO: 4140-19-72 HWY: STH 42 COUNTY: DOOR MISCELLANEOUS QUANTITIES SHEET: **E**

ASPHALTIC DRIVEWAYS

| | | | 465.0120 APSHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES* | | | | 465.0120 APSHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES* | | | | 465.0120 APSHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES* |
|----------|--------|--------|--|----------|--------|--------|--|----------|----------|----------|--|
| CATEGORY | STA. | OFFSET | TON | CATEGORY | STA. | OFFSET | TON | CATEGORY | STA. | OFFSET | TON |
| 0010 | 163+72 | RT | 2 | 0010 | 393+00 | LT | 3 | 0010 | 492+01 | RT | 2 |
| 0010 | 164+95 | RT | 2 | 0010 | 394+30 | RT | 2 | 0010 | 495+17 | RT | 2 |
| 0010 | 167+70 | RT | 3 | 0010 | 395+20 | LT | 1 | 0010 | 496+68 | LT | 6 |
| 0010 | 169+02 | RT | 3 | 0010 | 395+62 | RT | 1 | 0010 | 497+31 | RT | 3 |
| 0010 | 171+85 | RT | 3 | 0010 | 396+78 | RT | 3 | 0010 | 498+10 | RT | 3 |
| 0010 | 175+58 | RT | 3 | 0010 | 397+56 | RT | 1 | 0010 | 498+14 | LT | 2 |
| 0010 | 179+69 | RT | 5 | 0010 | 398+75 | RT | 2 | 0010 | 498+82 | RT | 3 |
| 0010 | 189+16 | RT | 1 | 0010 | 398+92 | LT | 7 | 0010 | 499+79 | LT | 4 |
| 0010 | 195+27 | RT | 1 | 0010 | 399+62 | RT | 1 | 0010 | 500+65 | RT | 4 |
| 0010 | 196+67 | RT | 3 | 0010 | 401+05 | RT | 2 | 0010 | 501+73 | LT | 1 |
| 0010 | 202+23 | RT | 5 | 0010 | 410+26 | RT | 1 | 0010 | 502+38 | LT | 1 |
| 0010 | 206+78 | RT | 3 | 0010 | 413+65 | RT | 5 | 0010 | 506+52 | RT | 11 |
| 0010 | 229+31 | RT | 1 | 0010 | 414+76 | RT | 6 | 0010 | 508+01 | LT | 5 |
| 0010 | 242+25 | RT | 4 | 0010 | 415+66 | RT | 2 | 0010 | 512+66 | LT | 2 |
| 0010 | 244+98 | RT | 5 | 0010 | 422+56 | RT | 4 | 0010 | 514+45 | RT | 2 |
| 0010 | 256+75 | RT | 2 | 0010 | 427+51 | LT | 3 | 0010 | 514+52 | LT | 1 |
| 0010 | 259+13 | RT | 2 | 0010 | 427+59 | RT | 3 | 0010 | 516+03 | LT | 2 |
| 0010 | 263+39 | LT | 2 | 0010 | 428+86 | RT | 3 | 0010 | 516+03 | RT | 3 |
| 0010 | 264+23 | LT | 2 | 0010 | 429+11 | LT | 4 | 0010 | 519+34 | LT | 2 |
| 0010 | 269+74 | LT | 1 | 0010 | 430+79 | LT | 2 | 0010 | 521+87 | RT | 3 |
| 0010 | 271+39 | LT | 4 | 0010 | 431+64 | LT | 2 | 0010 | 525+08 | LT | 2 |
| 0010 | 273+98 | LT | 4 | 0010 | 433+85 | LT | 3 | 0010 | 526+12 | LT | 2 |
| 0010 | 278+03 | LT | 5 | 0010 | 436+68 | LT | 1 | 0010 | 527+01 | RT | 3 |
| 0010 | 288+32 | LT | 2 | 0010 | 440+42 | RT | 4 | 0010 | 527+42 | LT | 2 |
| 0010 | 295+80 | LT | 1 | 0010 | 441+37 | LT | 1 | 0010 | 528+20 | RT | 4 |
| 0010 | 302+02 | RT | 1 | 0010 | 447+23 | LT | 2 | 0010 | 528+39 | LT | 2 |
| 0010 | 304+27 | RT | 1 | 0010 | 447+72 | RT | 2 | 0010 | 529+81 | LT | 2 |
| 0010 | 305+58 | RT | 1 | 0010 | 448+33 | RT | 3 | | | | |
| 0010 | 384+15 | RT | 4 | 0010 | 448+46 | LT | 2 | | SUBTO | TAL 0010 | 286 |
| 0010 | 385+29 | RT | 3 | 0010 | 450+54 | RT | 2 | | | | |
| 0010 | 385+82 | LT | 17 | 0010 | 454+64 | RT | 6 | | | | |
| 0010 | 387+36 | LT | 2 | 0010 | 455+28 | LT | 4 | | | TOTAL | 286 |
| 0010 | 388+61 | LT | 2 | 0010 | 457+02 | RT | 7 | | | | |
| 0010 | 389+64 | LT | 2 | 0010 | 467+83 | RT | 5 | *SEE CON | STRUCTIO | N DETAIL | FOR DRIVEWAY DEPTH |
| 0010 | 390+94 | LT | 2 | 0010 | 490+57 | RT | 3 | | | | |

ASPHALT TEST STRIPS

460.0105.S

460.0110.s

HMA PWL TEST STRIP HMA PWL TEST STRIP

VOLUMETRICS DENSITY
MIX EACH EACH

TOTAL 2 2

ASPHALT ITEMS

| | | | | 211.0400 | 315.0100 | 455.0605 | HMA PAVI | EMENT 3 LT 5 | 8-28 S | HMA PAVE | EMENT 4 LT 5 | 8-28 S | |
|-------|----------|----------|----------|--|-------------------|-----------|----------|-----------------------------|------------------|----------|-----------------------------|------------------|---------|
| | | | | PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS | ASPHALTIC BASE | TACK COAT | 460.5223 | PWL DENSITY INCENTIVE | PWL AIR VOIDS | 460.5224 | PWL DENSITY INCENTIVE | PWL AIR VOIDS | |
| CATG. | FROM | TO | LOCATION | STA | TON | GAL | TON | TON* | TON** | TON | TON* | TON** | REMARKS |
| 0010 | 159+00 - | - 306+00 | STH 42 | | | 6,870 | 7,650 | 4,851 | 7,650 | 6,080 | 4,165 | 6,080 | |
| 0010 | 306+00 - | - 372+00 | STH 42 | | 70 | 1,530 | | | | 2,250 | 1,312 | 2,250 | (1) |
| 0010 | 372+00 - | - 531+27 | STH 42 | 50 | | 7,350 | 7,150 | 5,256 | 7,150 | 6,860 | 4,557 | 6,860 | (2) |
| | | SUBTOTAL | 0010 | 50 | 70 | 15,750 | 14,800 | 10,107 | 14,800 | 15,190 | 10,034 | 15,190 | |
| | | | TOTAL | 50 | 70 | 15.750 | 14.800 | 10.107 | 14.800 | 15.190 | 10.034 | 15.190 | |

- (1) EXCLUDES EPHRAIM RECONSTRUCT FROM STA. 317+25 343+19.
- (2) PREPARE FOUNDATION FOR ASPHALTIC SHOULDERING = STA. 423+23-459+20 & STA. 474+67-486+25
- *TONNAGE IS ELIGIBLE FOR INCENTIVE DENSITY PWL 460.2005.
- **TONNAGE IS ELIGIBLE FOR INCENTIVE AIR VOIDS 460.2010 AND DENSITY IS TESTED FOR ACCEPTANCE IN THOSE AREAS.

PREPARE FOUNDATION FOR ASLPHALTIC PAVING

| | | | 4 | 11.0100.01 | • |
|---|----------|-----------------|---------------|------------|----------------|
| | CATEGORY | STATION | LOCATION | LS | REMARKS |
| | 0010 | 159+00 - 531+27 | STH 42 | 1 | PROJECT LIMITS |
| | | | SUBTOTAL 0010 | 1 | - |
| - | | | TOTAL | 1 | |

2

CULVERT PIPE AND APRON ENDWALLS

521.1030 521.3130 522.1024 650.4000 650.6000

| | APRON | CULVERT | APRON | | |
|--------|-------------|------------|------------|---------------|--------------|
| | ENDWALLS | PIPE | ENDWALLS | | |
| | FOR CULVERT | CORRUGATED | REINFORCED | CONSTRUCTION | CONSTRUCTION |
| INVERT | PIPE STEEL | STEEL | CONCRETE | STAKING STORM | STAKING PIPE |

| | | | | | ELEVATIONS** | 30-INCH | 30-INCH | 24-INCH | SEWER*** | CULVERTS | |
|-------|-----------|-----------|----------|--------------|--------------|---------|---------|---------|-------------|----------|-------------------------|
| CATG. | STRUCTURE | STATION* | OFFSET* | LOCATION | | EACH | LF | EACH | EACH | EACH | REMARKS |
| 0010 | EPH-OUT | 370+03.31 | 42.8' LT | STH 42 | 586.69 | | | 1 | 1 | | _ |
| 0010 | CULVERT | 450+33 | LT & RT | STH 42 | MATCH EX | 2 | 4 | | | 1 | PIPE THICKNESS = 0.079" |
| | | | | SUBTOTAL 001 | 0 | 2 | 4 | 1 | 1 | 1 | |
| | | | | TOTAL | | 1 | 4 | 1 | de de de de | 1 | |

^{*} STATIONS AND OFFSETS ARE TO INVERT OF CONNECTING PIPE

STORM SEWER PIPE

520.8000 608.0005 608.0412 608.0415 608.0418 608.0424

| | | | | | | | | CONCRETE | STORM SEWER | SSPRC | SSPRC | SSPRC | SSPRC | |
|-------|---------|---|---------|----------|--------|---------------|--------|----------|-------------|---------|----------|----------|----------|----------|
| | | | | | | ELEVATION S | | | COLLARS | ROCK | CLASS IV | CLASS IV | CLASS IV | CLASS IV |
| | | | | | EL | | | FOR PIPE | EXCAVATION | 12-INCH | 15-INCH | 18-INCH | 24-INCH | |
| CATG. | FROM | - | TO | LOCATION | INLET | DISCHARGE | FT/FT | EACH | CY | LF | LF | LF | LF | |
| 0010 | EX PIPE | - | EPH-1 | STH 42 | MATCH | 580.73 | | 1 | | 8 | | | | |
| 0010 | EPH-1 | - | EPH-2 | STH 42 | 579.91 | 579.74 | 0.0031 | | | 55 | | | | |
| 0010 | EPH-3 | - | EPH-5 | STH 42 | 588.89 | 587.96 | 0.0090 | | 10 | | | 103 | | |
| 0010 | EPH-4 | - | EPH-5 | STH 42 | 588.66 | 588.21 | 0.0228 | | 4 | | 20 | | | |
| 0010 | EPH-5 | - | OUTFALL | STH 42 | 587.46 | 586.69 | 0.0208 | | | | | | 37 | |
| | | | | | | SUBTOTAL 0010 | | 1 | 14 | 63 | 20 | 103 | 37 | |
| | | | | | | TOTAL | | 1 | 14 | 63 | 20 | 103 | 37 | |

RECONNECTING EXISTING STORM SEWER LATERALS

| 50 - 01 |
|---------|
| |

| CATEGORY | STRUCTURE | STATION | OFFSET | LOCATION | EACH | REMARKS |
|----------|-----------|---------|----------|-------------|------|-------------------|
| 0010 | EPH-3 | 371+08 | 13.5' RT | STH 42 | 1 | 6-INCH PVC |
| 0010 | EPH-4 | 370+07 | 13.6' RT | STH 42 | 1 | 6-INCH DRAIN TILE |
| | | | SU | BTOTAL 0010 | 2 | _ |

TOTAL

STORM SEWER COVERS AND STRUCTURES

| | | | | | | | | 611.0535 | 611.0612 | 611.0645 | 611.1003 | 611.2005 | SPV.0060.02 | 650.4000 | |
|-------|-------------|----------------|----------|-----------|----------|---------------|---------------|---------------------------------|-----------------------|--------------------------|---------------------------|-----------------------|------------------------------------|--|--------------|
| | | | | | El | LEVATION | DEPTH **** | MANHOLE COVER TYPE J-SPECIAL | INLET COVER TYPE C | INLET COVER TYPE MS-A | CATCH BASINS 3-FT DIA. | MANHOLES 5-FT DIA. | INLET MEDIAN 1 GRATE SPECIAL | CONSTRUCTION STAKING STORM SEWER | |
| CATG. | STRUCTURE | STATION OF | FFSET* | LOCATION | RIM** | INVERT*** | FT | EACH | EACH | EACH | EACH | EACH | EACH | EACH | REMARKS |
| 0010 | EPH-1 | 348+05.01 35 | 5.4' RT | STH 42 | 582.42 | 577.91 | 4.51 | | | 1 | | | 1 | 1 | |
| 0010 | EPH-5 | 370+05.65 | 6' LT | STH 42 | 592.7 | 587.46 | 4.24 | 1 | | | | 1 | | 1 | |
| 0010 | EPH-4 | 370+07.20 13 | 3.6' RT | STH 42 | 592.79 | 586.66 | 5.22 | | 1 | | 1 | | | 1 | 2-INCH RISER |
| 0010 | EPH-3 | 371+07.59 13 | 3.5' RT | STH 42 | 593.47 | 586.89 | 5.67 | | 1 | | 1 | | | 1 | 2-INCH RISER |
| 0010 | SUBTOTAL FR | ROM SPECIAL ST | TORM SEW | ER STRUCT | URES AND | APRON ENDWAL | LS | | | | | | | 1 | |
| | | | | | _ | | | | | | | | | | _ |
| | | | | | _ | SUBTOTAL 0010 | | 1 | 2 | 1 | 2 | 1 | 1 | 5 | - |
| | | | | | | TOTAL | | 1 | 2 | 1 | 2 | 1 | 1 | 5 | |

REMARKS

^{**}ELEVATIONSARE TO THE INVERT OF THE CONNECTING PIPE

^{***}QUANTITY INCLUDED IN STORM SEWER STRUCTURE TABLE

^{*} STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

^{**}RIM ELEVATIONS ARE MEASURED FROM CENTER OF MH COVERS AND FLANGE OF INLET CASTINGS

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

^{****} DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT (UNLESS NOTED IN REMARKS)

ADJUSTING AND RECONSTRUCTING

| 611.8110 | 611.8120.s |
|-----------|--------------|
| ADJUSTING | COVER PLATES |

| | | | MANHOLES COVERS | TEMPORARY | |
|---------|---------|---------------|-----------------|-----------|-------------|
| ATEGORY | STATION | LOCATION | EACH | EACH | REMARKS |
| 0010 | 301+33 | STH 42 44' RT | 1 | 1 | STORM SEWER |
| | | SUBTOTAL 0010 | 1 | 1 | |
| 0070 | 295+47 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 296+81 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 298+44 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 301+46 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 304+46 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 386+36 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 389+12 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 391+82 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 395+79 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 398+87 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 398+95 | STH 42 LT | 1 | 1 | SANITARY |
| 0070 | 400+88 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 402+92 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 404+92 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 406+94 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 409+18 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 413+16 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 415+18 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 417+17 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 420+28 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 422+30 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 427+61 | STH 42 LT | 1 | 1 | SANITARY |
| 0070 | 427+63 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 431+94 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 435+53 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 440+35 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 445+35 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 450+29 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 451+92 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 456+38 | STH 42 RT | 1 | 1 | SANITARY |
| 0070 | 459+39 | STH 42 LT | 1 | 1 | SANITARY |
| | | SUBTOTAL 0070 | 31 | 31 | |
| | | TOTAL | 32 | 32 | |

GUARDRAIL ITEMS

| CATEGORY | STATION | то | STATION | LOCATION | 614.2300 MGS GUARDRAIL 3 LF | 614.2330 MGS GUARDRAIL 3 K LF | 614.2610 MGS GUARDRAIL TERMINAL EAT EACH | REMARKS |
|----------|---------|----|---------|---------------|---|---|--|---------|
| 0010 | 475+10 | - | 475+63 | STH 42 LT | | | 1 | REMARKS |
| 0010 | 474+97 | _ | 475+50 | STH 42 ET | | | 1 | |
| 0010 | 475+63 | _ | 485+01 | STH 42 LT | 938 | | | |
| 0010 | 475+50 | | 476+00 | STH 42 RT | 50 | | | |
| 0010 | 476+00 | - | 481+75 | STH 42 RT | | 575 | | |
| 0010 | 481+75 | - | 484+53 | STH 42 RT | 278 | | | |
| 0010 | 485+01 | - | 485+54 | STH 42 LT | | | 1 | |
| 0010 | 484+53 | - | 485+06 | STH 42 RT | | | 1 | |
| | | | | SUBTOTAL 0010 | 1,266 | 575 | 4 | |
| | | | | TOTAL | 1,266 | 575 | 4 | |

MARKERS CULVERT END

| | | | 633.5200 | |
|-------|---------|---------------|----------|---------|
| CATG. | STATION | LOCATION | EACH | REMARKS |
| 0010 | 370+03 | STH 42 LT | 1 | |
| 0010 | 450+30 | STH 42 | 2 | |
| | _ | SUBTOTAL 0010 | 3 | |
| | • | TOTAL | 3 | |

3

Е

RESTORATION ITEMS

| | | | | 625.0100 | 625.0500 | 627.0200 | 628.2004 | 629.0210 | 630.0130 | 630.0140 | 630.0200 | |
|-------|----------|--------|---------------|----------|----------|----------|-------------|------------|----------|----------|-----------|---------|
| | | | | | | | EROSION MAT | | SEEDING | SEEDING | | |
| | | | | | | MULCHING | CLASS I | FERTILIZER | MIXTURE | MIXTURE | SEEDING | |
| | | | | TOPSOIL | TOPSOIL | | TYPE B | TYPE B | NO. 30 | NO. 40 | TEMPORARY | |
| CATG. | STA. TO | STA. | LOCATION | SY | SY | SY | SY | CWT | LB | LB | LB | REMARKS |
| 0010 | 343+19 - | 372+00 | STH 42 | 640 | | 640 | | 0.40 | | 12 | 9 | |
| 0010 | 369+98 - | 370+11 | STH 42 LT | | 72 | 72 | | 0.05 | | 1 | 1 | |
| 0010 | 370+07 - | 370+21 | STH 42 RT | | 15 | 15 | | 0.00 | | 1 | 1 | |
| 0010 | 370+76 - | 370+99 | STH 42 LT | 39 | | 39 | | 0.02 | | 1 | 1 | |
| 0010 | 370+99 - | 371+17 | STH 42 RT | | 10 | 10 | | 0.01 | | 1 | 1 | |
| 0010 | 425+50 - | 426+31 | STH 42 LT | | 50 | 50 | | 0.03 | | 1 | 1 | |
| 0010 | 450+00 - | 450+40 | STH 42 RT | | 36 | 36 | | 0.02 | | 1 | 1 | |
| 0010 | 451+25 - | 453+67 | STH 42 RT | | 77 | 77 | | 0.05 | | 1 | 1 | |
| 0010 | 455+71 - | 459+20 | STH 42 LT | | 196 | 196 | | 0.12 | | 4 | 4 | |
| 0010 | 474+18 - | 486+20 | STH 42 RT | | 1,189 | | 1,189 | 0.75 | 16 | | 16 | |
| 0010 | 473+92 - | 474+35 | STH 42 LT | | 59 | | 59 | 0.04 | 1 | | 1 | |
| 0010 | 474+68 - | 486+34 | STH 42 LT | | 1,349 | | 1,349 | 0.85 | 18 | | 18 | |
| 0010 | 00+00 - | 00+00 | UNDISTRIBUTED | 20 | 300 | 100 | 500 | 1.0 | 10 | 10 | 30 | |
| | | | | | | | | | | | | _ |
| | | | SUBTOTAL 0010 | 699 | 3,353 | 1,235 | 3,097 | 3.3 | 45 | 33 | 85 | |
| | | | | | | | | | | | | |
| | | | TOTAL | 699 | 3,353 | 1,235 | 3,097 | 3.3 | 45 | 33 | 85 | |

INLET PROTECTION

| | | | - | 628.7010 INLET PR TYPE B | 628.7020 OTECTION TYPE D | |
|------------|---------|--------|--------------|--------------------------------|--------------------------------|---------|
| CATEGORY | STATION | OFFSET | LOCATION | EACH | EACH | REMARKS |
| 0010 | 307+40 | 25.00' | STH 42 RT | 1 | | |
| 0010 | 311+00 | 20.00' | STH 42 RT | | 1 | |
| 0010 | 313+44 | 20.00' | STH 42 RT | | 1 | |
| 0010 | 345+75 | 14.00' | STH 42 RT | 1 | | |
| 0010 | 347+36 | 24.00' | STH 42 LT | 1 | | |
| 0010 | 347+87 | 16.00' | STH 42 LT | 1 | | |
| 0010 | 348+05 | 25.30' | STH 42 RT | 2 | | |
| 0010 | 348+81 | 57.00' | STH 42 RT | 1 | | |
| 0010 | 370+07 | 13.73' | STH 42 RT | 2 | | |
| 0010 | 371+08 | 12.54' | STH 42 RT | 2 | | |
| · <u> </u> | | | | | | |
| | | SI | JBTOTAL 0010 | 11 | 2 | |
| | | | TOTAL | 11 | 2 | |

EROSION CONTROL

| | | | | 628.1504 | 628.1520 | 628.7504 | 628.7555 | 628.7570 | |
|-------|-----------|---------|---------------|------------|---------------------------|---------------------------|------------------------|--------------|---------|
| | | | | SILT FENCE | SILT FENCE MAINTENANCE | TEMPORARY DITCH CHECKS | CULVERT PIPE CHECKS | ROCK BAGS | |
| CATG. | STATION - | STATION | LOCATION | LF | LF | LF | EACH | EACH | REMARKS |
| 0010 | 369+96 - | 370+15 | STH 42 LT | 30 | 30 | | | 21 | |
| 0010 | 370+76 - | 370+98 | STH 42 LT | 21 | 21 | | | 21 | |
| 0010 | 424+5 | 6 | STH 42 LT | | | 10 | | | |
| 0010 | 425+1 | 3 | STH 42 LT | | | 10 | | | |
| 0010 | 441+62 - | 446+84 | STH 42 LT | 523 | 523 | | | | |
| 0010 | 445+35 - | 447+51 | STH 42 RT | 217 | 217 | | | | |
| 0010 | 447+85 - | 448+09 | STH 42 RT | 26 | 26 | | | | |
| 0010 | 448+60 - | 450+40 | STH 42 RT | 181 | 181 | | | | |
| 0010 | 450+3 | 3 | STH 42 LT | | | | 6 | | |
| 0010 | 450+72 - | 452+93 | STH 42 RT | 221 | 221 | | | | |
| 0010 | 453+73 - | 454+18 | STH 42 RT | 46 | 46 | | | | |
| 0010 | 455+13 - | 456+67 | STH 42 RT | 154 | 154 | | | | |
| 0010 | 455+62 - | 459+41 | STH 42 LT | 390 | 390 | | | | |
| 0010 | 474+30 - | 486+47 | STH 42 LT | 1,206 | 1,206 | | 6 | 21 | |
| 0010 | 475+89 - | 484+12 | STH 42 RT | 794 | 794 | | 12 | 63 | |
| | | | | | | | | | |
| | | | SUBTOTAL 0010 | 3,809 | 3,809 | 20 | 24 | 126 | |
| | | | | | | | | | |
| | | | TOTAL | 3,809 | 3,809 | 20 | 24 | 126 | |

MOBILIZATIONS EROSION CONTROL

| | | 628.1905 | 628.1910 |
|----------|---------------------------|-----------------|------------------|
| | | MOBILIZATIONS | EMERGENCY |
| | | EROSION CONTROL | EROSION CONTROL |
| CATEGORY | DESCRIPTION | EACH | EACH |
| 0010 | BEGIN CONSTRUCTION | 1 | 1 |
| 0010 | ORCHARD SHOULDER WIDENING | 1 | 1 |
| 0010 | BEAMGUARD | 1 | 1 |
| 0010 | END CONSTRUCTION | 1 | 1 |
| _ | SUBTOTAL 0010 | 4 | 4 |
| | TOTAL | 4 | 4 |

| | | | | | | | 1 | | | |
|------|----------------------------|-------|-----------|------------|------------|----------|----------|----------|----------|---------|
| | | | | 637.2210 | 637.2230 | 634.0614 | 634.0616 | 638.2602 | 638.3000 | |
| | | | | SIGNS | SIGNS | POSTS | POSTS | REMOVING | REMOVING | |
| | | | | TYPE II | TYPE II | WOOD | WOOD | SIGNS | SMALL | |
| | | | | REFLECTIVE | REFLECTIVE | 4x6x14 | 4x6x16 | TYPE II | SIGN | |
| SIGN | | SIGN | | TYPE H | TYPE F | | | | SUPPORTS | |
| NO. | LOCATION | CODE | l wxh | S.F. | S.F. | EACH | EACH | EACH | EACH | REMARKS |
| 124 | STH 42, N. OF GIBRALTAR RD | w3-5 | 36" x 36" | | 9.00 | | 1 | 1 | 1 | 30 MPH |
| 125 | " | R2-1 | 24" x 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 126 | п | W14-3 | 48" x 36" | | 6.00 | | 1 | 1 | 1 | |
| 127 | п | D7-51 | | | | | | 1 | 2 | |
| 128 | п | R2-1 | 24" x 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 129 | п | R2-1 | 24" x 30" | 5.00 | | 1 | | 1 | 1 | 55 MPH |
| 130 | п | R7-1L | 18" X 24" | 3.00 | | 1 | | 1 | 1 | |
| 131 | п | R7-1R | 18" x 24" | 3.00 | | 1 | | 1 | 1 | |
| 132 | II . | w3-5 | 36" X 36" | | 9.00 | | 1 | | | 45 MPH |
| 133 | п | W14-3 | 48" x 36" | | 6.00 | | 1 | 1 | 1 | |
| 134 | п | R7-1D | 18" X 24" | 3.00 | | 1 | | 1 | 1 | |
| 135 | п | R7-1D | 18" X 24" | 3.00 | | 1 | | 1 | 1 | |
| 136 | п | w3-5 | | | | | | 1 | 1 | |
| 137 | п | R7-1D | 18" X 24" | 3.00 | | 1 | | 1 | 1 | |
| 138 | п | R7-1D | 18" X 24" | 3.00 | | 1 | | 1 | 1 | |
| 139 | п | R7-1D | 18" X 24" | 3.00 | | 1 | | 1 | 1 | |
| 140 | п | R7-1D | | 3.00 | | 1 | | 1 | 1 | |
| | PAGE SUBTOTALS | | | 39.00 | 30.00 | 11 | 4 | 16 | 17 | |

| | | | | 627 2240 | 627 2220 | 624 0644 | 624 0616 | | | |
|------|----------------------------|--------|-----------|----------|------------|----------|----------|---------|----------|------------------|
| | | | | 637.2210 | 637.2230 | | | | | |
| | | | | SIGNS | SIGNS | POSTS | | | REMOVING | |
| | | | | TYPE II | TYPE II | WOOD | WOOD | SIGNS | SMALL | |
| | | | | | REFLECTIVE | 4x6x14 | 4x6x16 | TYPE II | | |
| SIGN | | SIGN | | TYPE H | TYPE F | | | | SUPPORTS | |
| NO. | LOCATION | CODE | WXH | S.F. | S.F. | EACH | EACH | EACH | EACH | REMARKS |
| 141 | STH 42, N. OF GIBRALTAR RD | R7-1R | 18" X 24" | 3.00 | | 1 | | 1 | 1 | |
| 142 | H | R7-1L | 18" X 24" | 3.00 | | 1 | | 1 | 1 | |
| 143 | | W14-3 | 48" X 36" | | 6.00 | | 1 | 1 | 1 | |
| 144 | H | W14-3 | 48" X 36" | | 6.00 | | 1 | 1 | 1 | |
| 145 | H | W14-3 | | | 6.00 | | 1 | 1 | 1 | |
| 146 | II | | 30" X 30" | | 6.25 | | 1 | 1 | 1 | |
| 147 | " | W16-2A | | | | | | | | |
| 148 | " | W3-5 | 36" X 36" | | 9.00 | | 1 | 1 | 1 | |
| 149 | " | W14-3 | 48" X 36" | | 6.00 | | 1 | | | |
| 150 | " | J1-1 | 24" X 39" | 6.50 | | | 1 | 1 | 1 | SEE PLAN SHEET |
| 152 | " | W54-54 | | | 6.25 | | 1 | | | |
| 153 | " | D1-1 | | | | | | 1 | 2 | |
| 154 | " | W54-54 | | | | | | 1 | 1 | |
| 155 | " | R2-1 | 24" X 30" | 5.00 | | 1 | | | | 55 MPH |
| 156 | " " | J4-3 | 72" x 36" | 18.00 | | | 2 | | | SEE PLAN SHEET |
| 157 | | R2-1 | 24" x 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 158 | II . | R2-1 | | | | | | 1 | 1 | |
| 159 | 11 | J13-1 | 24" x 45" | 7.50 | | | 1 | 1 | 1 | SEE PLAN SHEET |
| 160 | п | W14-3 | 48" x 36" | | 6.00 | | 1 | 1 | 1 | |
| 161 | HIGHLAND RD | J13-1 | 24" X 45" | 7.50 | | | 1 | 1 | 1 | SEE PLAN SHEET |
| 162 | | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 163 | CTH A | R1-1 | 36" X 36" | 7.46 | | | 1 | 1 | 1 | |
| 164 | STH 42, N. OF CTH A | J4-2 | 48" x 36" | 12.00 | | | 1 | | | SEE PLAN SHEET |
| 165 | II . | J13-1 | 24" x 45" | 7.50 | | | 1 | 1 | 1 | SEE PLAN SHEET |
| 166 | II . | W1-4L | | | | | | 1 | 1 | |
| 167 | II | R2-1 | 24" X 30" | 5.00 | | 1 | | | | 45 MPH |
| 168 | П | J4-2 | | | | | | 1 | 1 | |
| 169 | II | W1-4L | 30" X 30" | | 6.25 | | 1 | | | |
| 170 | П | D1-1 | | | | | | 1 | 2 | |
| 171 | II | 12-3 | | | | | | 1 | 2 | |
| 172 | II . | 12-3 | 60" X 24" | 10.00 | | 2 | | | | SEE SIGN DETAILS |
| 173 | П | R2-1 | | | | | | 1 | 1 | |
| 174 | II. | J1-1 | 24" x 39" | 6.50 | | | 1 | 1 | 1 | SEE PLAN SHEET |
| 175 | MAPLE GROVE RD | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| | PAGE SUBTOTALS | | | 114.32 | 57.75 | 9 | 18 | 25 | 28 | |

HWY: STH 42 SHEET: Е COUNTY: DOOR MISCELLANEOUS QUANTITIES PROJECT NO: 4140-19-72

| | | | | 637.2210 | 637.2230 | 634 0614 | 634 0616 | 638 2602 | 638.3000 | |
|----------------|----------------------------------|--------------|--------------|----------|------------|---------------|----------|----------|----------|------------------------|
| | | | | SIGNS | SIGNS | POSTS | | | REMOVING | |
| | | | | TYPE II | TYPE II | WOOD | WOOD | SIGNS | SMALL | |
| | | | | | REFLECTIVE | 4x6x14 | 4x6x16 | TYPE II | | |
| SIGN | | SIGN | | TYPE H | TYPE F | 470714 | 470710 | 11165 11 | SUPPORTS | |
| NO. | LOCATION | CODE | WXH | S.F. | S.F. | EACH | EACH | EACH | EACH | REMARKS |
| 176 | STH 42, N. OF MAPLE GROVE RD | I55-56 | | 7.50 | 3.F. | EACH | 1 | 1 | 1 | DOOR COUNTY ART LEAGUE |
| 177 | SIR 42, N. OF MAPLE GROVE RD | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 178 | п | R2-1 | 24" X 30" | 5.00 | | <u>_</u> 1 | | 1 | 1 | 45 MPH |
| 179 | п | W2-1 | | | | <u>+</u> | | 1 | 1 | CH CH |
| 180 | п | W2-1 W2-1 | 30" x 30" | | 6.25 | | 1 | | | |
| 181 | п | D2-2 | 102" X 24" | 17.00 | | 2 | | 1 | 2 | SEE SIGN DETAILS |
| 182 | SHORE RD | R1-1 | 30" X 30" | 5.18 | | <u>2</u> 1 | | 1 | 1 | SEE SIGN DETAILS |
| 183 | | R1-1 R2-1 | 24" X 30" | 5.00 | | <u>+</u> 1 | | | | 45 MPH |
| 184 | STH 42, N. OF SHORE RD HOLAND RD | R2-1 R1-1 | 30" X 30" | 5.18 | | <u>_</u> | | 1 | 1 | 43 MYT |
| 185 | STH 42, N. OF HOLAND RD | R2-1 | 24" X 30" | 5.18 | | <u>1</u> 1 | | | | 45 MPH |
| 186 | SIR 42, N. OF HOLAND RD | | 54" X 36" | 13.50 | | | | 1 | 1 | |
| 187 | 11 | R2-1 | | | | | 2 | | _ | SEE SIGN DETAILS |
| 188 | 11 | W1-4L | 30" X 30" | | 6.25 | | 1 | | | |
| 189 | 11 | W1-4L | | | 0.23 | | 1 | 1 | 1 | |
| | CDVCTAL CDDTNCC DD | | 30" X 30" | F 10 | | 1 | | 1 | 1 | |
| 191 | CRYSTAL SPRINGS RD | R1-1 | | 5.18 | | 1 | | 1 | 1 | |
| 192 | HOLAND RD | R1-1 | 30" X 30" | 5.18 | | 1 | | _ | 1 | |
| 193 | STH 42, N. OF HOLAND RD | W1-2R | 30" X 30" | 5 00 | 6.25 | | 1 | 1 | 1 | 25 MDU |
| 194 | 11 | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | _ | 35 МРН |
| 194A | 11 | D7-57;M | | 12.50 | 12.50 | | | | 2 | 1 MT F |
| 194B | 11 | | 54" X 36" | 13.50 | 13.50 | | 2 | | | 1 MILE |
| 195 | 11 | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 196 | 11 | W2-1 | 4011 14 2411 | | | | | _ | 1 | |
| 197 | " " | W1-6 | 48" X 24" | 12.00 | 8.00 | 1 | 1 | 1 | 1 | CEE DIAN CUEETO |
| 198 | " " | J4-2 | 48" X 36" | 12.00 | | | 1 | 1 | 1 | SEE PLAN SHEETS |
| 199 | · | W11-2 | 30" X 30" | | 6.25 | | 1 | 1 | 1 | MOUNT DELON CTCV 100 |
| 199A | 11 | | 30" X 15" | | 3.13 | | | | | MOUNT BELOW SIGN 199 |
| 200 | | W16-9P | 2411 14 2011 | | | | | | | 25 MBU |
| 201 | " | | | 5.00 | 2.00 | 1 | | 1 | 1 | 35 МРН |
| 202 | " " | | 12" X 36" | | 3.00 | | | | | |
| 203 | " | | 12" X 36" | | 3.00 | | | | | |
| 204 | " " | | 12" X 36" | | 3.00 | | | | | |
| 205 | | | 12" X 36" | | 3.00 | | | | | |
| 206 207-222 | BROOKSIDE LN | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| (1) / 1117 I | VACANT | | | | | | | | | |

| PROJECT NO: 4140-19-72 | HWY: STH 42 | COUNTY: DOOR | MISCELLANEOUS QUANTITIES | SHEET: | E |
|------------------------|-------------|--------------|--------------------------|--------|---|
|------------------------|-------------|--------------|--------------------------|--------|---|

| | | 1 | 1 | 1 | | T | 1 | 1 | 1 | |
|------|-------------------------|--------|-----------|------------|------------|--------|----------|----------|----------|-----------------------|
| | | | | 637.2210 | 637.2230 | | 634.0616 | | | |
| | | | | SIGNS | SIGNS | POSTS | POSTS | REMOVING | REMOVING | |
| | | | | TYPE II | TYPE II | WOOD | WOOD | SIGNS | SMALL | |
| | | | | REFLECTIVE | REFLECTIVE | 4x6x14 | 4x6x16 | TYPE II | SIGN | |
| SIGN | | SIGN | | TYPE H | TYPE F | | | | SUPPORTS | |
| NO. | LOCATION | CODE | WXH | S.F. | S.F. | EACH | EACH | EACH | EACH | REMARKS |
| 223 | п | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 224 | п | J1-1 | | | | | | 1 | 1 | |
| 225 | CHERRY ST | W14-1 | 30" x 30" | | 6.25 | 1 | | 1 | 1 | |
| 226 | II . | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 227 | STH 42, N. OF CHERRY ST | J1-1 | 24" x 39" | 6.50 | | | 1 | | | SEE PLAN SHEETS |
| 227A | II . | W11-2 | 30" X 30" | | 6.25 | | 1 | | | |
| 227в | II . | W16-7L | 24" X 12" | | 2.00 | | | | | MOUNT BELOW SIGN 227A |
| 227C | II . | W11-2 | 30" X 30" | | 6.25 | | 1 | | | |
| 227D | II . | W16-7L | 24" X 12" | | 2.00 | | | | | MOUNT BELOW SIGN 227C |
| 228 | 11 | R2-1 | 24" x 30" | 5.00 | | 1 | | | | 35 MPH |
| 229 | 11 | J4-3 | 72" x 36" | 18.00 | | | 2 | | | SEE PLAN SHEETS |
| 229A | 11 | w11-2 | 30" x 30" | | 6.25 | | 1 | | | |
| 229в | 11 | W16-7L | 24" X 12" | | 2.00 | | | | | MOUNT BELOW SIGN 229A |
| 229C | 11 | w11-2 | 30" x 30" | | 6.25 | | 1 | | | |
| 229D | 11 | W16-7L | 24" X 12" | | 2.00 | | | | | MOUNT BELOW SIGN 229C |
| 230 | 11 | R7-51L | 18" X 24" | 3.00 | | | 1 | | | |
| 231 | 11 | J13-1 | 24" X 45" | 7.50 | | | 1 | | | SEE PLAN SHEETS |
| 232 | СТН Q | R1-1 | 36" x 36" | 7.46 | | | 1 | 1 | 1 | |
| 233 | STH 42, N. OF CTH Q | J4-2 | 48" x 36" | 12.00 | | | 1 | | | SEE PLAN SHEETS |
| 234 | 11 | R2-1 | | | | | | 1 | 1 | |
| 235 | 11 | J13-1 | | | | | | 1 | 1 | |
| 236 | 11 | J13-1 | 24" X 45" | 7.50 | | | 1 | | | SEE PLAN SHEETS |
| 237 | 11 | J13-1 | 24" x 45" | 7.50 | | | 1 | | | SEE PLAN SHEETS |
| 238 | 11 | D1-1 | | | | | | 1 | 2 | |
| 239 | п | R2-1 | | | | | | | | |
| 240 | 11 | R2-1 | 24" x 30" | 5.00 | | 1 | | | | 35 MPH |
| 241 | п | R2-1 | | | | | | 1 | 1 | |
| 242 | CEDAR ST | R1-1 | 30" x 30" | 5.18 | | 1 | | 1 | 1 | |
| 243 | STH 42, N. OF CEDAR ST | J1-1 | 24" x 39" | 6.50 | | | 1 | 1 | 1 | SEE PLAN SHEETS |
| 244 | ıı | R2-1 | 24" x 30" | 5.00 | | 1 | | | | 35 MPH |
| 245 | II | | 54" x 36" | 13.50 | | | 1 | 1 | 1 | |
| | PAGE SURTOTALS | | | 119 82 | 39 25 | 7 | 15 | 12 | 13 | |

PAGE SUBTOTALS 119.82 39.25 7 15 12 13

| | | | | 637.2210 | 637.2230 | 634.0614 | 634.0616 | 638.2602 | 638.3000 | |
|------|-----------------------------|-------|----------------------|------------|------------|----------|----------|----------|----------|---------------------------|
| | | | | SIGNS | SIGNS | POSTS | POSTS | REMOVING | REMOVING | |
| | | | | TYPE II | TYPE II | WOOD | WOOD | SIGNS | SMALL | |
| | | | | REFLECTIVE | REFLECTIVE | 4x6x14 | 4x6x16 | TYPE II | SIGN | |
| SIGN | | SIGN | | TYPE H | TYPE F | | | | SUPPORTS | |
| NO. | LOCATION | CODE | WХН | S.F. | S.F. | EACH | EACH | EACH | EACH | REMARKS |
| 246 | SPRUCE ST | R1-1 | 30" x 30" | 5.18 | | 1 | | 1 | 1 | |
| 247 | STH 42, N. OF SPRUCE ST | | 54" x 36" | 13.50 | | | 1 | | | |
| 248 | 11 | R2-1 | 24" x 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 249 | ANDERSON LN | R1-1 | 30" x 30" | 5.18 | | 1 | | 1 | 1 | |
| 250 | STH 42, N. OF ANDERSON LN | R2-1 | 24" x 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 251 | II | | 30" x 30" | | 6.25 | | 1 | 1 | 1 | 33 1111 |
| 251A | п | | 30" X 15" | | 3.13 | | | | | MOUNT BELOW SIGN 251 |
| 252 | п | | 30" X 36" | 7.50 | | | 1 | 1 | 1 | VILLAGERS SNOWMOBILE CLUB |
| 253 | п | W2-2 | 30" x 30" | | 6.25 | 1 | | 1 | 1 | VIELAGERO SHOWHOBILE CEOB |
| 254 | п | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 255 | MORAVIA ST | R3-1 | 24" X 24" | 4.00 | | 1 | | 1 | 1 | 33 PIETI |
| 256 | II II | W1-6 | 48" X 24" | | 8.00 | | | | | MOUNT TO BACK OF SIGN 255 |
| 257 | п | | 30" X 30" | 5.18 | | 1 | | 1 | 1 | MOUNT TO BACK OF SIGN 233 |
| 258 | 11 | R1-1 | 24" X 24" | 4.00 | | | | | | MOUNT BELOW SIGN 257 |
| | CTIL 42 N. OF MORAVITA | R3-2 | 24 X 24 24" X 30" | | | 1 | | 1 | 1 | |
| 259 | STH 42, N. OF MORAVIA | R2-1 | | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 260 | п | M1-85 | | | | | | 1 | 1 | |
| 261 | п | J3-1 | | | | | | 1 | 1 | |
| 262 | | S3-1 | 36" X 36" | | 9.00 | 1 | | 1 | 1 | |
| 263 | MEADOW LN | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | 25 |
| 264 | STH 42, N. OF MEADOW LN | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 265 | | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 266 | SHORE RD | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 266A | AMUNDSON RD | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 267 | | W1-6 | 48" X 24" | | 8.00 | 1 | | 1 | 1 | |
| 268 | STH 42, N. OF AMUNDSON RD | W2-1 | 30" X 30" | | 6.25 | 1 | | 1 | 1 | |
| 269 | BRODD LN | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | 25 |
| 270 | STH 42, N. OF BRODD LN | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 271 | | | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 272 | n n | | 48" X 24" | | 8.00 | 1 | | 1 | 1 | |
| 273 | | | 54" X 36" | 13.50 | 13.50 | | 2 | 1 | 2 | 1 MILE |
| 274 | CORAL HILL RD | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 274A | п | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 275 | STH 42, N. OF CORAL HILL RD | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 276 | П | S3-1 | 36" X 36" | | 9.00 | 1 | | 1 | 1 | |
| 277 | П | W1-2L | | | | | | 1 | 1 | |
| 278 | п | | 30" X 30" | | 6.25 | 1 | | 1 | 1 | |
| 279 | п | W2-1 | 30" X 30" | | 6.25 | 1 | | | | |
| 280 | II . | R2-1 | | | | | | 1 | 1 | |
| | PAGE SUBTOTALS | | | 134.12 | 89.88 | 27 | 5 | 33 | 34 | |

SHEET: Е HWY: STH 42 COUNTY: DOOR MISCELLANEOUS QUANTITIES PROJECT NO: 4140-19-72

Е

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

| П | | | | 627 2210 | 637.2230 | 624 0614 | 624 0616 | 620 2602 | 628 2000 | |
|--------------|------------------------------|---------------|---------------------------------------|-------------------|-------------------|----------|----------|-----------|----------|---|
| | | | | 637.2210 SIGNS | 637.2230 SIGNS | POSTS | POSTS | | REMOVING | |
| | | | | TYPE II | TYPE II | WOOD | WOOD | SIGNS | SMALL | |
| | | | | REFLECTIVE | | | 4x6x16 | TYPE II | SIGN | |
| SIGN | | SIGN | | TYPE H | TYPE F | 470714 | 470710 | I LIPE II | SUPPORTS | |
| NO. | LOCATION | CODE | WXH | S.F. | S.F. | EACH | EACH | EACH | EACH | REMARKS |
| 281 | STH 42, N. OF CORAL HILL RD | W1-2L | 30" X 30" | | 6.25 | 1 | | | | INLIMING |
| 282 | II | w1-2L w2-1 | | | | | | 1 | 1 | |
| 283 | п | R2-1 | 24" x 30" | 5.00 | | 1 | | | | 35 MPH |
| 283A | п | w2-1 | | | | | | 1 | 1 | 33 MI II |
| 284 | п | w2 1 w2-1 | 30" x 30" | | 6.25 | 1 | | | | |
| 285 | п | J4-2 | | | | | | 1 | 1 | |
| 286 | 11 | w1-6 | 48" X 24" | | 8.00 | 1 | | 1 | 1 | |
| 287 | ORCHARD ST | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 288 | II | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 289 | STH 42, N. OF ORCHARD ST | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 290 | II | R2-1 | 24" X 30" | 5.00 | | 1 | | | | 45 MPH |
| 290A | п | R2-1 | | | | | | 1 | 1 | 45 MPH |
| 290B | п | W11-2 | | | 6.25 | | 1 | | | 12 1111 |
| 290C | п | | 24" X 8" | | 1.33 | | | | | MOUNT BELOW SIGN 290C |
| 291 | п | s3-1 | 36" x 36" | | 9.00 | 1 | | 1 | 1 | |
| 305A | п | W11-2 | 30" x 30" | | 6.25 | | 1 | | | |
| 305B | 11 | W16-7L | 24" X 12" | | 2.00 | | | | | MOUNT BELOW SIGN 305A |
| 305C | п | W11-2 | 30" x 30" | | 6.25 | | 1 | | | |
| 305D | 11 | W16-7L | 24" X 12" | | 2.00 | | | | | MOUNT BELOW SIGN 305C |
| 292 | п | W2-1 | 30" x 30" | | 6.25 | 1 | | 1 | 1 | 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| 293 | II . | W1-2R | 30" x 30" | | 6.25 | 1 | | 1 | 1 | |
| 294 | п | w1-6 | 48" x 24" | | 8.00 | 1 | | 1 | 1 | |
| 295 | п | w1-7 | | | | | | 1 | 1 | |
| 296 | BELLA VISTA LN | R1-1 | 30" x 30" | 5.18 | | 1 | | 1 | 1 | |
| 297 | STH 42, N. OF BELLA VISTA | R2-1 | 24" x 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 298 | п | w1-2R | | | | | | 1 | 1 | |
| 299 | п | J4-2 | | | | | | 1 | 1 | |
| 300 | II . | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 301 | п | w14-3 | 48" X 36" | | 6.00 | | 1 | 1 | 1 | |
| 302 | п | | 30" X 30" | | 6.25 | 1 | | | | |
| 303 | SHANNON SQUARE | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 304 | STH 42, N. OF SHANNON SQUARE | R2-1 | 24" x 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 305 | п | W2-1 | 30" x 30" | | 6.25 | 1 | | | | |
| 305A | п | W11-2 | 30" X 30" | | 6.25 | | 1 | | | |
| 305B | п | | 24" X 12" | | 2.00 | | | | | MOUNT BELOW SIGN 305A |
| 305C | п | W11-2 | 30" X 30" | | 6.25 | | 1 | | | |
| 305D | II . | | 24" X 12" | | 2.00 | | | | | MOUNT BELOW SIGN 305C |
| 305E | п | | 30" X 30" | | 6.25 | | 1 | | | |
| 305F | п | | 24" X 8" | | 1.33 | | | | | MOUNT BELOW SIGN 305E |
| 306 | п | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 307 | TOWNLINE DR | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 308 | п | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 310 | п | 12-3 | 60" X 24" | 10.00 | | 2 | | 1 | 2 | SEE SIGN DETAILS |
| 311 | II . | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 312 | п | W1-2L | 30" X 30" | | 6.25 | 1 | | | | |
| | PAGE SUBTOTALS | - | | 81.08 | 122.92 | 26 | 7 | 26 | 27 | |
| D: 4140-19-7 | '2 HWY: STH 42 | | COUNTY: DOOR MISCELLANEOUS QUANTITIES | | | | | | | |
| | | | | | | | | | | I |

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT NAME : PLOT SCALE: 1:1 PLOT DATE: June 14, 1911 PLOT BY: A.R.H.

PROJECT NO: 4140-19-72

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

| | | | | 637.2210 | 637.2230 | 634.0614 | 634.0616 | 638.2602 | 638.3000 | |
|-----|-------------------------------------|--------|-----------|----------|------------|----------|----------|----------|----------|---------------------------|
| | | | | SIGNS | SIGNS | POSTS | | REMOVING | | |
| | | | | TYPE II | TYPE II | WOOD | WOOD | SIGNS | SMALL | |
| | | | | | REFLECTIVE | 4x6x14 | 4x6x16 | TYPE II | | |
| IGN | | SIGN | | TYPE H | TYPE F | | | | SUPPORTS | |
| NO. | LOCATION | CODE | WXH | S.F. | S.F. | EACH | EACH | EACH | EACH | REMARKS |
| 313 | II II | W1-2L | | | | | | 1 | 1 | REPERING |
| 14 | п | W1 2L | 30" x 30" | | 6.25 | 1 | | | | |
| 15 | п | R2-1 | | | | | | 1 | 1 | |
| 16 | STH 42, N. OF TOWNLINE DR | R2-1 | 24" X 30" | 5.00 | | 1 | | | | 45 MPH |
| | SIH 42, N. OF TOWNLINE DR | W2-1 | | 3.00 | | | | 1 | 1 | 43 MPH |
| 17 | LITTLE CICTED LITTLE DD | | | | | 1 | | 1 | _ | |
| 18 | LITTLE SISTER HILL RD | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 19 | | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | AE servi |
| 20 | STH 42, N. OF LITTLE SISTER HILL RD | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 45 MPH |
| 21 | " | W14-3 | 48" X 36" | | 6.00 | | | | | MOUNT OT BACK OF SIGN 320 |
| 1A | " " | R2-1 | 24" X 30" | 5.00 | | 1 | | | | 45 MPH |
| 22 | | 12-3 | 66" X 24" | 11.00 | | 2 | | 1 | 2 | SEE SIGN DETAILS |
| 2A | п | W3-5 | 36" X 36" | | 9.00 | 1 | | | | 35 MPH |
| 23 | LITTLE SISTER RD | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 24 | COUNTRY LN | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 325 | STH 42, N. OF COUNTRY LN | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 26 | п | R2-1 | 24" x 30" | 5.00 | | 1 | | | | 45 MPH |
| 27 | п | R2-1 | | | | | | 1 | 1 | |
| 28 | WESTWOOD DR | R1-1 | 30" x 30" | 5.18 | | 1 | | 1 | 1 | |
| 329 | STH 42, N. OF WESTWOOD DR | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 330 | ш | R2-1 | 24" x 30" | 5.00 | | 1 | | | | 35 MPH |
| 331 | п | W14-3 | 48" x 36" | | 6.00 | | | 1 | 1 | |
| 332 | п | м1-93 | | | | | | | | |
| 33 | п | W1-2R | 30" x 30" | | 6.25 | 1 | | 1 | 1 | |
| 34 | 11 | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 335 | FOREST LN | R1-1 | 30" x 30" | 5.18 | | 1 | | 1 | 1 | |
| 336 | MEADOW LN | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | |
| 37 | ST H42, N. OF MEADOW LN | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 38 | II | W1-6 | 48" X 24" | | 8.00 | 1 | | 1 | 1 | 33 MEII |
| 339 | п | | 24" X 30" | | | 1 | | 1 | 1 | 35 MPH |
| 40 | п | D7-57 | | 13.50 | | | 2 | 1 | 1 | JJ MLU |
| 341 | п | | 30" X 30" | | 6 25 | 1 | | 1 | | |
| | п | W1-2L | | 7 50 | 6.25 | 1 | 1 | 1 | 1 | VILLACEDS SNOWMODILE SLUB |
| 42 | | I55-56 | i | 7.50 | | 1 | 1 | 1 | 1 | VILLAGERS SNOWMOBILE CLUB |
| 343 | FIELDCREST RD | R1-1 | 30" X 30" | 5.18 | | 1 | | 1 | 1 | 25 May |
| 344 | STH 42, AT HIGHLAND RD | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 1 | 1 | 35 MPH |
| 45 | HIGHLAND RD | 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 HIGHLAND RD | R2-1 | 24" X 30" | 5.00 | | 1 | | 1 | 1 | 35 MPH |
| 348 | п | W1-1L | 30" X 30" | | 6.25 | 1 | | 1 | 1 | |
| 349 | п | W14-3 | 48" X 36" | | 6.00 | | | | | MOUNT OT BACK OF SIGN 349 |
| 350 | п | | X | 0.00 | 0.00 | | | | | |
| | PAGE SUBTOTALS | | | 143.80 | 60.00 | 30 | 3 | 30 | 31 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

PROJECT NO: 4140-19-72 HWY: STH 42 COUNTY: DOOR MISCELLANEOUS QUANTITIES SHEET: **E**

TRAFFIC CONTROL SUMMARY

| | | | ESTIAMTED DAYS | 643.0300 | 643.0310.S TEMPORARY | 643.0900 | 643.1050 | 643.5000 | |
|----------|--------------------|------------------|-------------------|----------|-------------------------|----------|----------|----------|--|
| | | | | | PORTABLE | | SIGNS | TRAFFIC | |
| | | | | DRUMS | RUMBLE STRIPS | SIGNS | PCMS | CONTROL | |
| CATEGORY | STATION TO STATION | LOCATION | | DAY | LS | DAY | DAY | EACH | REMARKS |
| 0010 | PROJECT LIMITS | MAINLINE | 70 | | | 560 | 28 | 1 | PCMS ONE WEEK PRIOR TO MAY AND SEPT START |
| 0010 | PROJECT LIMITS | SIDE ROADS | 70 | | | 3,150 | | | |
| 0010 | 159+00 - 531+27 | MILLING/PAVING | 33 | | 1 | | | | FLAGGING AND ASSOCIATED SIGNS INCIDENTAL TO CONTRACT |
| 0010 | 159+00 - 531+27 | SHOULDERING | 11 | 220 | | 22 | | | |
| 0010 | 348+00 - 371+00 | STORM SEWER WORK | 3 | 105 | | 6 | | | |
| 0010 | 422+00 - 460+00 | SHLDR WIDENING | 7 | 420 | | 14 | | | |
| 0010 | 474+00 - 486+00 | MGS | 7 | 350 | | 14 | | | |
| | _ | 0010 | | 1 005 | - | 2.766 | 20 | - | <u>-</u> |
| | | SUBTOTAL 0010 | | 1,095 | 1 | 3,766 | 28 | 1 | |
| | | TOTAL | | 1,095 | 1 | 3,766 | 28 | 1 | |

CONSTRUCTION STAKING

| | | | 650.4500 SUBGRADE | 650.5000 BASE | 650.8000 RESURFACING REFERENCE | 650.9910 SUPPLEMENTAL CONTROL (PROJECT) | 650.9920 SLOPE STAKES | |
|----------|--------------------|---------------|----------------------|------------------|--------------------------------------|---|-----------------------------|---------|
| CATEGORY | STATION TO STATION | LOCATION | LF | LF | LF | LS | LF | REMARKS |
| 0010 | PROJECT LIMITS | STH 42 | | | 34,633 | 1 | | |
| 0010 | 425+50 - 426+31 | STH 42 | 81 | 81 | | | 81 | |
| 0010 | 441+54 - 459+20 | STH 42 | 1,766 | 1,766 | | | 1,766 | |
| 0010 | 474+00 - 486+00 | STH 42 | 1,200 | 1,200 | | | 1,200 | |
| | | | | | | | | |
| | | SUBTOTAL 0010 | 3,047 | 3,047 | 34,633 | 1 | 3,047 | |
| | | | | | | | | |
| | _ | TOTAL | 3,047 | 3,047 | 34,633 | 1 | 3,047 | |

PROJECT NO: 4140-19-72 HWY: STH 42 COUNTY: DOOR MISCELLANEOUS QUANTITIES SHEET: **E**

3

PAVEMENT MARKING

| CATEGORY | STATION TO | STATION | LOCATION | 646.1020 MARKING LINE EPOXY 4-INCH LF | 646.1040* GROOVED WET REFLECTIVE EPOXY 4-INCH LF | 646.4520 MARKING LINE SAME DAY EPOXY 4-INCH LF | 646.6120 MARKING STOP LINE EPOXY 18-INCH LF | 646.7420 MARKING CROSSWALK EPOXY TRANSV. LINE 6-INCH LF | 649.0105 TEMP. MARKING LINE PAINT 4-INCH EACH | 649.0120 TEMP. MARKING LINE EPOXY 4-INCH EACH | S REMARKS |
|----------|----------------------|---------|------------------|--|--|--|---|---|---|---|---|
| 0010 | 153+72 - | 159+00 | | 1 056 | LF | LF | LF | Lr | EACH | EACH | |
| 0010 | 159+00 - | 182+30 | STH 42 STH 42 | 1,056 1,800 | 2,860 | 588 | | | 1,126 | | LOCATING NO PASSING OUTSIDE LIMITS PASSING ZONE |
| | 182+30 - | 188+28 | | | • | | | | , | | |
| 0010 | | | STH 42 | | 1,196 | 748 | | | 1,496 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 188+28 - 190+03 - | 190+03 | STH 42 | | 350 | 50 | | | 100 | | PASSING ZONE |
| 0010 | 250.05 | 196+64 | STH 42 | | 1,322 | 836 | | | 1,672 | 836 | CENTERLINE SKIPS AND SOLID |
| 0010 | 196+64 - | 212+59 | STH 42 | | 3,190 | 400 | | | 800 | 400 | PASSING ZONE |
| 0010 | 212+59 - | 219+94 | STH 42 | | 1,470 | 923 | | | 1,845 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 219+94 - | 220+97 | STH 42 | | 206 | 38 | | | 75 | | PASSING ZONE |
| 0010 | 220+97 - | 226+61 | STH 42 | | 1,128 | 714 | | | 1,428 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 226+61 - | 229+26 | STH 42 | | 530 | 530 | | | 1,060 | | NO PASSING |
| 0010 | 229+26 - | 235+49 | STH 42 | | 1,246 | 786 | | | 1,571 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 235+49 - | 244+88 | STH 42 | | 1,878 | 1,177 | | | 2,353 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 244+88 - | 254+95 | STH 42 | | 2,014 | 263 | | | 525 | | PASSING ZONE |
| 0010 | 254+95 - | 263+81 | STH 42 | | 1,772 | 1,111 | | | 2,222 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 263+81 - | 317+25 | STH 42 | 3,450 | 7,238 | 10,688 | | | 19,126 | | NO PASSING |
| 0010 | 299+34 | | STH 42 | | | | | 66 | | | WETLAND PRESERVE CROSSING |
| 0010 | 306+83 - | 307+50 | STH 42 | | | | 19 | 200 | | | BROOKSIDE LANE CROSSING |
| 0010 | 343+19 - | 427+27 | STH 42 | 11,774 | 4,854 | 16,816 | | | 25,470 | | NO PASSING |
| 0010 | 345+91 - | 345+99 | STH 42 | | | | | 88 | | | MONUMENT CROSSING |
| 0010 | 349+80 | | STH 42 | | | | | 92 | | | VILLAGE HALL CROSSING |
| 0010 | 356+35 - | 356+82 | STH 42 | | | | 15 | 160 | | | CEDAR ST CROSSING |
| 0010 | 360+50 | | STH 42 | | | | | 104 | | | TOURIST CENTER CROSSING |
| 0010 | 365+22 | =" | STH 42 | | | | | 68 | | | EPHRAIM YACHT CLUB CROSSING |
| 0010 | 371+34 - | 371+38 | STH 42 | | | | | 110 | | | ANDERSON LN CROSSING |
| 0010 | 427+27 - | 433+96 | STH 42 | | 1,338 | 844 | | | 1,688 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 427+80 | | STH 42 | | | | | 72 | | | BLUE DOLPHIN CROSSING |
| 0010 | 455+02 | | STH 42 | | | | | 100 | | | CITY FARMER CROSSING |
| 0010 | 433+96 - | 452+48 | STH 42 | | 3,704 | 475 | | | 950 | | PASSING ZONE |
| 0010 | 452+48 - | 458+99 | STH 42 | | 1,302 | 826 | | | 1,652 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 458+99 - | 471+11 | STH 42 | | 2,424 | 2,424 | | | 4,848 | | NO PASSING |
| 0010 | 471+11 - | 479+14 | STH 42 | | 1,606 | 1,016 | | | 2,031 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 479+14 - | 501+31 | STH 42 | 2,662 | 1,772 | 563 | | | 1,125 | | PASSING ZONE |
| 0010 | 501+31 - | 510+16 | STH 42 | 1,770 | | 1,110 | | | 2,220 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 510+16 - | 520+16 | STH 42 | 2,000 | | 2,000 | | | 4,000 | | CENTERLINE DOUBLE SOLID |
| 0010 | 520+16 - | 527+62 | STH 42 | 1,492 | | 934 | | | 1,867 | | CENTERLINE SKIPS AND SOLID |
| 0010 | 527+62 - | 531+27 | STH 42 | 730 | | 100 | | | 125 | | PASSING ZONE |
| 0010 | 531+27 - | 536+55 | STH 42 | 1,056 | | | | | | | LOCATING NO PASSING OUTSIDE LIMITS |
| | | | CUPTOTAL 0010 | 27 700 | 13, 100 | 45.050 | 24 | 1 000 | 01 275 | 1 226 | |
| | | | SUBTOTAL 0010 | 27,790 | 43,400 | 45,956 | 34 | 1,060 | 81,375 | 1,236 | |
| | | | TOTALS | 27,790 | 43,400 | 45,956 | 34 | 1,060 | 81,375 | 1,236 | |

*USE GROOVED WET REFLICTIVE EPOXY 4-INCH EDGELINE WHERE POSTED SPEEDS EXCEEDS 40 MPH

LOCATING NO PASSING ZONES

| | | | | | 648.0100 | |
|----------|---------|----|---------|---------------|----------|---------|
| CATEGORY | STATION | TO | STATION | LOCATION | MI | REMARKS |
| 0010 | 153+72 | - | 322+53 | STH 42 | 3.20 | |
| 0010 | 337+91 | - | 536+55 | STH 42 | 3.76 | |
| | | | | SUBTOTAL 0010 | 6.96 | |

55 MPH SPOTTING SIGHT DISTANCE = 0.21

MARKING PARKING STALLS EPOXY

| | | | | | 646.8320 | |
|----------|---------|----|---------|---------------|----------|---------|
| CATEGORY | STATION | TO | STATION | LOCATION | LF | REMARKS |
| 0070 | 343+56 | - | 345+76 | STH 42 LT | 300 | |
| 0070 | 346+15 | - | 347+50 | STH 42 LT | 216 | |
| 0070 | 348+71 | - | 353+60 | STH 42 LT | 378 | |
| | | | - | SUBTOTAL 0070 | 894 | |
| | | | | TOTAL | 894 | |

PROJECT NO: 4140-19-72 HWY: STH 42 COUNTY: DOOR MISCELLANEOUS QUANTITIES SHEET: **E**

SAWING ASPHALT

| | | | 690.0150 | | | | | 690.0150 | | | | | 690.0150 |
|-------|-------------------|-----------|----------|-------------------|-------|-------------------|-----------|----------|-----------------------|-------|------------------|---------------|----------|
| CATG. | STATION - STATION | LOCATION | LF | REMARKS | CATG. | STATION - STATION | LOCATION | LF | REMARKS | CATG. | STATION - STATIO | N LOCATION | LF |
| 0010 | 163+72 | STH 42 RT | 24 | DRIVEWAY | 0010 | 388+62 | STH 42 LT | 13 | DRIVEWAY | 0010 | 496+35 | STH 42 LT | 45 |
| 0010 | 164+96 | STH 42 RT | 28 | DRIVEWAY | 0010 | 389+65 | STH 42 LT | 13 | DRIVEWAY | 0010 | 497+07 - 498+28 | 3 STH 42 RT | 85 |
| 0010 | 167+70 | STH 42 RT | 40 | DRIVEWAY | 0010 | 390+94 | STH 42 LT | 13 | DRIVEWAY | 0010 | 496+84 - 498+31 | 1 STH 42 LT | 76 |
| 0010 | 169+20 | STH 42 RT | 47 | DRIVEWAY | 0010 | 391+89 | STH 42 RT | 23 | MEADOW LN | 0010 | 498+58 - 500+98 | 3 STH 42 RT | 114 |
| 0010 | 171+63 - 172+10 | STH 42 RT | 50 | DRIVEWAY | 0010 | 393+14 | STH 42 LT | 22 | DRIVEWAY | 0010 | 499+79 | STH 42 LT | 56 |
| 0010 | 175+59 | STH 42 RT | 42 | DRIVEWAY | 0010 | 394+30 | STH 42 RT | 23 | DRIVEWAY | 0010 | 501+73 | STH 42 LT | 20 |
| 0010 | 179+70 | STH 42 RT | 83 | NORTHHAVEN DR | 0010 | 395+12 - 395+69 | STH 42 RT | 35 | DRIVEWAY | 0010 | 502+38 | STH 42 LT | 23 |
| 0010 | 189+16 | STH 42 RT | 20 | DRIVEWAY | 0010 | 396+83 | STH 42 LT | 17 | DRIVEWAY | 0010 | 504+17 | STH 42 LT | 25 |
| 0010 | 195+27 | STH 42 RT | 11 | DRIVEWAY | 0010 | 397+57 | STH 42 RT | 11 | DRIVEWAY | 0010 | 506+65 | STH 42 LT | 39 |
| 0010 | 196+67 | STH 42 RT | 42 | DRIVEWAY | 0010 | 398+93 | STH 42 LT | 43 | N SHORE RD | 0010 | 506+50 | STH 42 RT | 72 |
| 0010 | 202+23 | STH 42 RT | 76 | DRIVEWAY | 0010 | 398+68 - 399+67 | STH 42 RT | 33 | DRIVEWAY | 0010 | 507+99 | STH 42 LT | 34 |
| 0010 | 206+79 | STH 42 RT | 44 | DRIVEWAY | 0010 | 401+50 | STH 42 RT | 29 | DRIVEWAY | 0010 | 512+66 | STH 42 LT | 36 |
| 0010 | 229+31 | STH 42 RT | 19 | DRIVEWAY | 0010 | 399+81 | STH 42 LT | 90 | AMUNDSON RD | 0010 | 514+44 | STH 42 RT | 27 |
| 0010 | 242+25 | STH 42 RT | 58 | DRIVEWAY | 0010 | 402+94 | STH 42 RT | 26 | BRODD LN | 0010 | 514+52 | STH 42 LT | 17 |
| 001 | 244+98 | STH 42 RT | 64 | DRIVEWAY | 0010 | 409+70 | STH 42 LT | 34 | CORAL HILL RD | 0010 | 516+02 | STH 42 RT | 39 |
| 0010 | 254+79 | STH 42 RT | 31 | CTH A | 0010 | 409+15 | STH 42 RT | 25 | CORAL HILL RD | 0010 | 516+03 | STH 42 LT | 23 |
| 0010 | 255+68 | STH 42 LT | 29 | HIGHLAND RD | 0010 | 410+25 | STH 42 RT | 14 | DRIVEWAY | 0010 | 519+36 | STH 42 LT | 35 |
| 0010 | 256+75 | STH 42 RT | 33 | DRIVEWAY | 0010 | 413+54 - 415+71 | STH 42 RT | 76 | DRIVEWAY | 0010 | 519+87 | STH 42 RT | 34 |
| 0010 | 259+13 | STH 42 RT | 30 | DRIVEWAY | 0010 | 422+18 | STH 42 RT | 22 | ORCHARD RD | 0010 | 521+86 | STH 42 RT | 44 |
| 0010 | 263+39 | STH 42 LT | 30 | DRIVEWAY | 0010 | 422+58 | STH 42 RT | 16 | DRIVEWAY | 0010 | 523+78 | STH 42 RT | 27 |
| 0010 | 264+21 | STH 42 LT | 29 | DRIVEWAY | 0010 | 422+82 | STH 42 LT | 30 | ORCHARD RD | 0010 | 524+50 | STH 42 RT | 31 |
| 0010 | 267+24 | STH 42 RT | 24 | MAPLE GROVE RD | 0010 | 427+34 - 427+77 | STH 42 | 71 | DRIVEWAY | 0010 | 524+99 - 526+30 | | 58 |
| 0010 | 269+76 | STH 42 LT | 15 | DRIVEWAY | 0010 | 428+85 | STH 42 RT | 36 | DRIVEWAY | 0010 | 526+80 - 528+36 | | 72 |
| 0010 | 271+40 | STH 42 LT | 27 | DRIVEWAY | 0010 | 429+11 | STH 42 LT | 64 | DRIVEWAY | 0010 | 527+41 | STH 42 LT | 26 |
| 0010 | 273+97 | STH 42 LT | 25 | DRIVEWAY | 0010 | 430+64 - 431+77 | STH 42 LT | 58 | DRIVEWAY | 0010 | 528+39 | STH 42 LT | 21 |
| 0010 | 278+10 | STH 42 LT | 29 | DRIVEWAY | 0010 | 433+84 | STH 42 LT | 39 | DRIVEWAY | 0010 | 529+83 | STH 42 LT | 33 |
| 0010 | 280+31 | STH 42 LT | 21 | SHORE RD | 0010 | 435+33 | STH 42 LT | 27 | BELLA VISTA LN | | | | |
| 0010 | 281+77 | STH 42 RT | 24 | HOLAND RD | 0010 | 436+69 | STH 42 LT | 21 | DRIVEWAY | | | SUBTOTAL 0010 | 4,953 |
| 0010 | 288+32 | STH 42 LT | 24 | DRIVEWAY | 0010 | 440+45 | STH 42 RT | 50 | DRIVEWAY | | | | |
| 0010 | 292+50 | STH 42 RT | 25 | HOLAND RD | 0010 | 441+37 | STH 42 LT | 20 | DRIVEWAY | | | TOTAL | 4,953 |
| 0010 | 292+76 | STH 42 LT | 33 | CRYSTAL SPRING RD | 0010 | 444+90 | STH 42 RT | 64 | DRIVEWAY | | | | ., |
| 0010 | 295+80 | STH 42 LT | 18 | DRIVEWAY | 0010 | 447+24 | STH 42 LT | 27 | DRIVEWAY | | | | |
| 0010 | 302+02 | STH 42 RT | 14 | DRIVEWAY | 0010 | 447+57 - 448+52 | STH 42 RT | 65 | DRIVEWAY | | | | |
| 0010 | 304+28 | STH 42 RT | 16 | DRIVEWAY | 0010 | 448+47 | STH 42 | 31 | DRIVEWAY | | | | |
| 0010 | 305+58 | STH 42 RT | 16 | DRIVEWAY | 0010 | 450+55 | STH 42 RT | 29 | DRIVEWAY | | | | |
| 0010 | 307+23 | STH 42 RT | 31 | BROOKSIDE LN | 0010 | 451+74 | STH 42 LT | 23 | SHANNON SQUARE | | | | |
| 0010 | 317+25 | STH 42 | 28 | | 0010 | 454+63 | STH 42 RT | 87 | DRIVEWAY | | | | |
| 0010 | 343+19 | STH42 | 40 | | 0010 | 455+29 | STH 42 LT | 60 | DRIVEWAY | | | | |
| 0010 | 345+11 | STH 42 RT | 16 | CHERRY ST | 0010 | 456+95 | STH 42 RT | 42 | DRIVEWAY | | | | |
| 0010 | 347+70 - 348+15 | STH 42 | 209 | | 0010 | 458+96 | STH 42 RT | 37 | TOWNLINE RD | | | | |
| 0010 | 351+51 | STH 42 | 38 | СТН Q | 0010 | 459+75 | STH 42 LT | 23 | TOWNLINE RD | | | | |
| 0010 | 356+57 | STH 42 RT | 29 | CEDAR ST | 0010 | 467+82 | STH 42 RT | 34 | DRIVEWAY | | | | |
| 0010 | 360+88 | STH 42 RT | 23 | SPRUCE ST | 0010 | 472+43 | STH 42 LT | 26 | LITTLE SISTER HILL RD | | | | |
| 0010 | 370+00 - 371+20 | STH 42 | 244 | | 0010 | 272+33 | STH 42 RT | 33 | NIRDIC DR | | | | |
| 0010 | 371+59 | STH 42 RT | 29 | ANDERSON LN | 0010 | 486+55 | STH 42 RT | 28 | COUNTRY LN | | | | |
| 0010 | 382+48 | STH 42 RT | 24 | MORAVIA ST | 0010 | 486+57 | STH 42 LT | 24 | LITTLE SISTER RD | | | | |
| 0010 | 384+17 | STH 42 RT | 46 | DRIVEWAY | 0010 | 490+53 | STH 42 RT | 43 | DRIVEWAY | | | | |
| 0010 | 385+26 | STH 42 RT | 24 | DRIVEWAY | 0010 | 492+01 | STH 42 RT | 28 | DRIVEWAY | | | | |
| 0010 | 385+10 - 386+47 | STH 42 LT | 160 | | 0010 | 493+41 | STH 42 LT | 24 | WESTWOOD DR | | | | |
| | | | | | | | | | - | | | | |

Ε MISCELLANEOUS QUANTITIES SHEET:

REMARKS

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

FOREST LN

MEADOW LN

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

FIELDCREST RD

HIGHLAND RD

HIGHLAND RD

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

DRIVEWAY

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT NAME : PLOT DATE: June 14, 1911 PLOT BY: A.R.H. PLOT SCALE: 1:1

COUNTY: DOOR

495+16

STH 42 RT 24

DRIVEWAY

0010

DRIVEWAY

0010

PROJECT NO: 4140-19-72

387+35

STH 42 LT 12

HWY: STH 42

Document Number VACATION ORDER TRANSPORTATION PROJECT PLAT

Wisconsin Department of Transportation DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

This Vacation Order applies to Transportation Project Plat 4140-19-21-4.03, recorded on June 16, 2017 as Document Number 805370 in the Office of the Register of Deeds for Door County.

Whereas, parcel 32 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said parcel is vacated and rescinded.

This Vacation Order has been approved by the Wisconsin Department of

(Print Name)

DOC #: 811714 RECORDED ON: 03/02/2018 10:59:06 AM CAREY PETERSILKÁ

REGISTER OF DEEDS DOOR COUNTY, WI FEE AMOUNT PAID: 30.00

This space is reserved for recording data

944 Vanderperren Way Green Bay WI 54304

Parcel Identification Number/Tax Key Number

121240035B

Return to

WisDOT

| County ss. On the above date, this instrument was acknowledged before me by the named person(s). | |
|---|--|
| County State of Wisconsin Brown County Ss. County Ss. On the above date, this instrument was acknowledged before me by the named person(s). X (Signature, Notary Public, State of Wisconsin) | |
| Don'the above date, this instrument was acknowledged before me by the named person(s). (Signature, Notary Public, State of Wisconsin) | |
| Don'the above date, this instrument was acknowledged before me by the named person(s). (Signature, Notary Public, State of Wisconsin) | |
| County State of Wisconsin Brown County Ss. County Ss. County And the above date, this instrument was acknowledged before me by the named person(s). (Signature, Notary Public, State of Wisconsin) | |
| County State of Wisconsin Brown County Ss. County Ss. County And the above date, this instrument was acknowledged before me by the named person(s). (Signature, Notary Public, State of Wisconsin) | |
| County State of Wisconsin Brown County Ss. County Ss. County And the above date, this instrument was acknowledged before me by the named person(s). (Signature, Notary Public, State of Wisconsin) | |
| County State of Wisconsin Brown County Ss. County Ss. County And the above date, this instrument was acknowledged before me by the named person(s). (Signature, Notary Public, State of Wisconsin) | |
| Don'the above date, this instrument was acknowledged before me by the named person(s). (Signature, Notary Public, State of Wisconsin) | |
| Double County State of Wisconsin Brown County Ss. County Ss. County Ss. County Signature, Notary Public, State of Wisconsin) | |
| County State of Wisconsin Brown County Ss. County Ss. On the above date, this instrument was acknowledged before me by the named person(s). X (Signature, Notary Public, State of Wisconsin) | |
| State of Wisconsin Brown County Ss. On the above date, this instrument was acknowledged before me by the named person(s). X (Signature, Notary Public, State of Wisconsin) | · |
| State of Wisconsin Broun County ss. On the above date, this instrument was acknowledged before me by the named person(s). X (Signature, Notary Public, State of Wisconsin) | 2/22/2010 |
| State of Wisconsin Broun County ss. On the above date, this instrument was acknowledged before me by the named person(s). X (Signature, Notary Public, State of Wisconsin) | (Date - m/d/man) |
| On the above date, this instrument was acknowledged before me by the named person(s). (Signature, Notary Public, State of Wisconsin) | (Date - Illianyyyy) |
| On the above date, this instrument was acknowledged before me by the named person(s). X (Signature, Notary Public, State of Wisconsin) | |
| On the above date, this instrument was acknowledged before me by the named person(s). X (Signature, Notary Public, State of Wisconsin) | State of Wisconsin |
| On the above date, this instrument was acknowledged before me by the named person(s). X (Signature, Notary Public, State of Wisconsin) | Brown to Santa |
| x (Signature, Notary Public, State of Wisconsin) | County) |
| x (Signature, Notary Public, State of Wisconsin) | On the above date, this instrument was acknowledged before me by |
| (Signature, Notary Public, State of Wisconsin) | the harries person(s). |
| | (Signature Notary Public State of Wicconcin) |
| GUITIC V. VAN EYOM | A 1 |
| (Print or Type Name, Notary Public, State of Wisconsin) | |

(Date Commission Expires)

Greg Belanger

Right of Way Plat Coordinator

DOC. H.E. LC ML MON.

PLE

REM.

STA. TLE

DELTA

COMPENSABLE COMPENSAR

R/W SEC. S/L SQ.FT.

RESERVED FOR REGISTER OF DEEDS

PROJECT NUMBER 4140-19-21-4.03

DRIVEWAY CONNECTION

CERTIFIED SURVEY MAP

PERMANENT LIMITED ESEMENT
PROPERTY LINE
RECORDED AS

TEMPORARY LIMITED EASEMENT

LONG CHORD LONG CHORD BEARING RADIUS

DEGREE OF CURVE

LENGTH OF CURVE TANGENT

TELEPHONE POLE Ø TELEPHONE PEDESTAL Ø

THIS PLAT AND RELOCATION ORDER ARE

OF TRANSPORTATION, NORTHEAST REGION.

SIGNATURE _____

APPROVED FOR THE WISCONSIN DEPARTMENT

PRINT CURT VAN EREM

CURVE DATA

ACCESS RIGHTS
ACRES
AND OTHERS

CENTERLINE

DOCUMENT HIGHWAY EASEMENT LAND CONTRACT MEANDER LINE

MONUMENT

REFERENCE LINE

RIGHT-OF-WAY

SECTION SECTION LINE SQUARE FEET

REMAINING

STATION

VOLUME

PAGE

SCHEDULE OF LANDS & INTERESTS REQUIRED SCHEDULE OF UTILITIES & INTERESTS REQUIRED INTEREST R/W ACRE(S) REQUIRED T.L.E. TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.03 IUMBER REQUIRED
 NEW
 EXISTING
 TOTAL

 0.002
 0.002
 AREA *OWNER EVERGREEN BEACH REAL ESTATE, LLC PART OF LOTS 25, 26 AND 30, OF BLOCK L, AND PART OF LOTS 31, 32 AND 34, OF BLOCK M, OF THE ORIGINAL PAUL & MARIANNE ROPPULD PLAT OF EPHRAIM, LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 1, AND PART OF GOVERNMENT LOT 2, ALL PATRICIA W FESS AS TRUSTEE OF THE PATRICIA W FESS TRUST JOHN T MURPHY AS TRUSTEE OF THE JOHN T & AMY E MURPHY TRUST
VILLAGE OF EPHRAIM IN SECTION 24, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN. VILLAGE OF EPHRAIM FEE
VILLAGE OF EPHRAIM & CHRISTOFFERSON DOCK, LLC. 1/99th INTEREST FEE, TLE RELOCATION ORDER STH 42 DOOR COUNTY FRONTIER COMMUNICATIONS OF WI LLC DOC. 260442
PARCELS 17, 18 0.003 0.003 0.003 0.0042 0.011 0.053 0 VILLAGE OF EPHRAIM

NELSON SOUTH SHORE PIER, LLC 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 0.015 0.023 0.023 29 THE HILLSIDE OF EPHRAIM LLC 50 100 200 See Vacation WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC ROY A & DIANE M ELQUIST FEE, TLE 0.001 0.001 0.004 NAMED PROJECT. 32 TIMOTHY & NANCY A. CHRISTOFFERSON TO EFFECT THIS CHANCE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HERBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS OS 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. SCALE, FEET #811714 WNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT NGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT STATION OFFSET TABLE POINT STATION OFFSET PRW225 334+61.29 -19.80 274429.61 547283.31 BD916 334+61.29 19.80 274409.17 547317.24 ERW857 336+91.78 49.25 274607.75 547448.05 QTR #1067 ALLIMINUM MON 13 BD909 1.06 22.00' WITH CAP Y = 275849.49 -SEE DETAIL "A" ERW858 337+13.46 43.45 274630.75 547450.69 ERW812 337+51.02 10.67 274677.89 547432.86 24 ERW812 337+51.02 10.67 274677.89 547432.86 PRW286 337+77.21 -19.80 274712.32 547412.26 PRW285 337+88.87 -19.80 274723.41 547415.85 ERW856 337+93.95 78.74 274698.35 547511.31 ERW855 338+46.81 83.20 274753.63 547531.30 PRW226 338+56.35 -19.80 274786.71 547433.25 PRW222 338+56.70 -18.29 274786.71 547434.80 COURSE TABLE NEW RIGHT-OF-WAY NOTES: **-1066** X = 549069.63SEE TPP 4140-19-21-4.04 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 NETAWAY. POINT TO POINT BEARING DIST. 27 Lang ÎCHURCH ST./CTH Q GOV'T LOT 4 N89°33'02"W 2251.78' ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. N89°33'02"W 2035.9 EC1067 BD911 D911 BD921 S85°27'50"W 49.33' GOV'T MEAN #1066 R/L Curve Table LOT 1 ERW863 339+22.15 11.32 274845.57 547475.45 ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS. BD922 \$83°52'06"W 67.79" LUMINUM MON. STA = 353+03.19 ERW861 340+04.03 6.26 274928.51 547476.93 ERW861 340+04.02 14.33 274928.50 547485.00 ERW861 340+05.50 80.73 274928.39 54755.10 ERW814 340+3.01 19.01 274968.19 547489.56 Y = 275975.77 X = 546797.85 DELTA = 34°15'45" D = 12°57'46" T = 136.24 R Delta LCH WITH CAP 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. RW836 PRW243 S22°46'40"E 118.48' 275867.15 PRW242* \$43°02'50"F 546817.92 RW243 202,58 DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES. (PRW243) STORM SEWER EASEMENT TOULLAGE ERW813 340+43.36 7.09 274968.20 547477.64 RW242 PRW241 S57°24'54"E 146,05 (PRW233)Z PRW235 340+48.19 19.80 274973.53 547490.18 EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.27 PRW241 PRW240 * \$57°19'08"F 264.31 442.00 PRW283 341+18.00 18.50 275044.76 547482.94 PRW228 341+18.00 18.50 275044.93 547482.93 PRW236 341+47.99 19.73 275075.35 547479.55 PRW228 341+52.16 -19.80 275075.45 547479.55 PRW228 341+52.16 -19.80 275075.46 547439.39 PRW240 ERW835 S57°57'42"E 83.83 (RRW232) ERW835 ERW834 S37°12'00"E 42.77 STORM SEWER MAINTENANC PC STA = 351+66.95 AGREEMENT WITH VILLAGE EPHRAIM DOC. 454872 AF PARCELS 27, 31 & 32 275848 52 FRW834 PRW239 \$42°31'42"F 54.02 32 546846.52 F STA = 354+31.26 PRW245* S38°04'20"E RW239 31,85 A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT TO INCRESS AND ECRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN. DETAIL "A" SCALE 1"=40" ERW833 341+76.40 26.18 275105.72 547480.09 RW245 PRW281 S36°30'29"E 95,50' ERW815 341-77.27 - 14.41 275097.47 547440.33 PRW229 342-11.04 - 19.80 275127.49 FRW237 342-11.35 19.80 275141.65 54746.68 FRW3850 343-21.14 - 21.02 275223.16 547483.14 Y 276108.34 N-SEE DETAIL PRW281 PRW282 S53°29'31"W 3.001 22.001/ X 546829.27 RW282 PRW238 S36°48'18"E 57.61 DMMON OWNERSHIP PLUMBING PRW237* S23°57'40"E RW238 111.96 RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE. SYSTEM INSPECTION AND ENFORCEMENT EASEMENT DOC. 457887 AFFECTS PARCELS 27 & 31 PRW238 343+21.22 19.80 275243.94 547418.28 PRW237 FRW833 S24°28'02"F 39.44" ERW816 343+21.37 18.82 275243.58 547417.36 -SEE ERW833 PRW236 S01°01'15"W 30.37 PRW282 343+76.85 16.80 275290.07 547383.77 FRW282 34376.85 19.80 275291.85 547386.18 PRW248 34476.85 19.80 275291.85 547386.18 PRW249 34477.35 19.80 27538.61 547329.36 PRW239 345403.12 19.80 275393.68 547309.36 ERW817 345407.07 14.97 275393.72 547303.40 DETAIL "C"등 PRW236 PRW283 S06°19'53"E 30.78 PRW283 PRW284 N82°32'28"E 1.30' CONVENTIONAL SYMBOLS AND ABBREVIATIONS PRW235* S04°45'42"E 71,65 RW284 PI STA = 349+65.11 STATE, COUNTY, ----- ACCESS POINT/ PRW235 ERW814 S06°33'54"W 5 37' or TOWN LINE SECTION LINE QUARTER LINE SIXTEENTH LINE (PRW234) = 275651,04 ERW834 345+55.33 19.58 275433.49 547273.21 = 546922.05 PRW230 345+59.69 -19.80 275408.64 547242.35 ERW814 ERW860 S57°14'19"E DELTA = 36°29'09" D = 13°23'14" T = 141.07 ERW833 345-95.82 26.86 275467.56 5472247.35 ERW818 345-96.88 -13.38 275437.84 547220.19 PRW231 346+75.84 -19.80 275478.60 547155.06 PRW240 346+76.10 19.80 275512.03 547176.28 RW860 ERW855 S06°33'54"W PARKING FASEMENT FRW855 FRW856 \$19°52'53"W 58 79 PROPOSED REFERENCE LINE PROPOSED R/W LINE PRW23D ERW856 ERW857 S34°55'22"W 110.49' 272.54 427.99 STORM SEWER MAINTENANCE
AGREEMENT WITH VILLAGE OF
EPHRAIM DOC. 454872 AFFECTS
PARCELS 27, 31 & 32 RW857 ERW858 N06°33'21"E 23,14 EXISTING R/W LINE PROPERTY LINE EASEMENT LINE PRW241 346+78.00 19.80 275513.09 547174.63 TLE546 347+26.00 -36.28 275491.69 547103.98 FRW858 RD916 \$31°03'41"W 258 66 PC STA = 348+24.05 Ā TLE545 347+26.00 -20.28 275505.17 547112.60 D916 PRW225 N58°56'19"W 39,60 Y 275575.06 CORPORATE LIMITS 547040.91 T STA = 350+96.59 PRW225 PRW286 * N24°31'02"E 310.73 EXISTING CENTERLINE PRW286 PRW285 N17°58'24"E 11.66' LOT & TIE LINES WATERMAIN -(PRW238) Y 275782.80 RW285 65.65 PL STA = 342+64.79 PL STA = 336+19-94 X 546871.65 --SEE DETAIL "D" 274555,29 547382,13 1,55' 285,97 SANITARY SEWER
TELEPHONE
ELECTRIC PRW226 PRW227 S89°54'38"E TLESS1 348+16.00 45.80 275609.32 547072.35 PRW228 N01°01'15"E RW227 PRW242 348+24.05 19.80 275591.75 547051.57 PI STA = 345+76.33 Y = 275440.41 X = 547251.58 DELTA = 26°11'13 DELTA = 13°05'17 RW228 PRW224* N10°12'35"W FIBER OPTIC 12°08'34' 4°08'34' ERW819 349+45.48 0.14 275654.09 546949.28 PRW224 PRW229* N13°43'15"W 53.62 158.65 315.93 ERW849 349+46.00 -41.40 275627.19 546917.63 PRW243 350+38.70 19.80 275739.79 546913.29 RW229 ERW850 N24°28'02"W 105,11' OVERHEAD ELECTRIC DETAIL "D" DELTA = 20°54'25" D = 10°09'58" SCALE 1"=50" ACCESS RESTRICTED

(BY PREVIOUS ACQUISITION/CONTROL) RW850 PRW230 N37°12'00"W 232.87 471.85 1383.04 PRW232 350+40.69 -19.80 275722.62 546877.55 (PRW281) PROJECT PRW230 PRW231* N51°17'31"W PRW233 350+96.59 -19.80 275775.72 546853.16 111,87 103.98 111111 CCESS RESTRICIEL
(BY ACQUISTION) PRW231 ERW849 N57°57'42"W 280.09 BD911 351+15.90 180.90 275865.46 547033.72 205.65 PRW282) 563.59 RD921 351+29.82 133.57 275861.56 546984.54 ERW849 PRW232 N22°46'40"W 103.51' PLAT LOCATION NO ACCESS (BY STATUTORY AUTHORITY) 0000000 PC STA = 344+72.35 Y 275356.83 BD922 351+47.14 68.04 275854.32 546917.14 gentiki et PRW232 PRW233* N24°40'14"W 58.44' 1///1 FFE (HATCH VARIES) PRW234 351+56.43 -19.80 275831.62 546831.78 RW233 PRW234 N20°55'46"W 59.84' X 547373.92 TEMPORARY LIMITED EASEMENT (PRW224) 547313.45 BD910 351+57.33 75.06 275866.35 546920.07 ERW836 351+59.96 19.71 275849.03 546867.42 PRW234 BD909 N22°46'40"W 38.54 AREA PERMANENT LIMITED EASEMENT BD909 SEC1066 S89°33'02"E 1,06' PI STA = 339+75.77 Y = 274895.07 X = 547492.36 PARCEL NUMBER BD919 351+86 55 0.00 275866 98 546839 92 SEC1066 BD911 X 547163.97 BD909 351+93.65 -21.89 275867.16 546816.86 (92) UTILITY PARCEL NUMBER ERW820 351+95.57 17.71 275880.80 546854.08 * INDICATES LCH AND LCB PRW235 WILLOW ST. 🛒 DELTA = 28°17'40" SIGN NUMBER (OFF PREMISE) EAGLE HARBOR BUILDING COURSE TABLE 366.17 741.49 (21) FOUND IRON PIPE/PIN POINT TO POINT BEARING DIST. PC STA = 337+88.87 Y 274717.30 X 547434.69 R/W MONUMENT R/W STANDARD △ ▲(SET) ERW814 ERW861 S06°33'54"W 39.95' ERW861 ERW863 S06°33'54"W 83.48' (PRW227)-EPHRAIM 5 (PRW237) PT STA = 341+55.04 FRW862 RW863 ERW862 NO1°01'15"E 82.96 RW862 ERW861 S89°54'26"E 8.07' SECTION CORNER SYMBOL Y 275078.95 X 547458.87 19 LOCATION SKETCH (NOT TO SCALE) (PRW285) cd: 341+55.04 (PRW286)-DETAIL "B" SCALE 1"=50" DETAIL "C" SCALE 1"=50" Curve Table GOOFRONTIER COMMUNICATIONS (PRW236) OF WI LLC. EASEMENT DOC. 260442 PARCELS 17, 18 I, GARY D. SCHNEIDER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND. C17-311,401 1363.24' 13°05'17" 310.73 V24°31'02"E (PRW283) 53,65 v13°43'15"W (PRW224)-PRW284) 112.07 151°17'31"W C43-58.48 GOV'T (PRW228) 71.68 0,01840 1°45'42"W LOT SIGNATURE JA. J. Schnadt DATE 06/12/2017 GARY D. SCHNEYDER, P.L.S. S-1297 112.20 -(21) 204.72 (24)

> PLOT BY : RAISA KHAYTINA PLOT NAME :

PLOT SCALE : **********

GARY D.

SCHNEIDER

West Bend

(16)

✓-N31°O3'41'E 49.36

STA AH=334+11.93

15°21'58"E

N38°04'20"1

10°12'35"W

65,68

31.85

2.81

19,601

GOV"

LOT 2

____DATE 6/16/2017

KAPUR & ASSOCIATES, INC. CONSULTING ENGINEERS MILWAUKEE, WISCONSIN 414.331.8668

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO NAME PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

(PRW256)

PC 3634

(PRW255)

(PRW254)-

DETAIL

Curve Table

178.571

133,841

112.401

(PRW253)-

SCALE 1"=50"

(36)

4

DETAIL "A" SCALE 1"=40"

PI STA = 364+41,91

Y = 277110.58 X = 546868.50

= 3°56'26" = 106.17

Y 277216.69 X 546872.00

L = 211.95 R = 1454.00 PC STA = 363+35.74 Y 277005.09

546880.44 STA = 365+47.70

PI STA = 360+76.36 Y = 276746.65 X = 546909.71 DELTA = 10°06'21" D = 3°4'121" T = 137.32 L = 273.93 B = 1553.11

R = 1553.11 PC STA = 359+39.04 Y 276609.61

X 546900.98 PT STA = 362+12.98

EAGLE HARBOR

PI STA = 356+67.18

= 276337.90 = 546883.68

R = 982.00 PC STA = 355+83.96 Y 276256.92

STA = 357+50.01

PI STA = 353+03.19

Y = 275975.77 X = 546797.85

DELTA = 34°15'45" D = 12°57'46" T = 136.24

264.31

442.00

Y 275848.52

STA = 351+66.95

(PRW250)-

X 546846.52 PT STA = 354+31.26 Y 276108.34 X 546829.27

27

DELTA = 9°41'19" D = 5°50'05" T = 83.23

X 546864.48

Y 276420.96 X 546888.97

Y 276883.10 X 546894.26

50 100 SCALE, FEET

SEE TPP 4140-19-21-4.05

SEE DETAIL "A"

VILLAGE

-CPRW263D EDGEWATER

RESORT

MUINIMODINO

∼see detaH

CEDAR STREET

CHURCH ST./CTH Q

SEE TPP 4140-19-21-4.03

R/L Curve Table

FPHRAIM YACHT

HARBOR CONDOMINIUM

20' ROAD EASEMENT

INSPECTION EASEMENT DOC. 452510

-HOLDING TANK AGREEMENT DOC. 450940

SPRUCE STREET

APPROXIMATE GOVERNMENT LOT LINE

AGREEMENT TO NOT CONSTRUCT A
BUILDING WITHIN AGREEMENT AREA
DOC. 422400
TO ADJACENT PROPERTY TO NORTH

0F

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.04 AMENDMENT NO: 1 CHANGES FEE ACQUISITION OF PARCELS 33, 37 AND 38 OF TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.04, RECORDED AS DOCUMENT NO: 805371 ON JUNE 16, 2017

PART OF LOTS 35 AND 36, OF BLOCK N, PART OF LOT 40, OF BLOCK O, AND PART OF LOT 41, OF BLOCK P, OF THE ORIGINAL PLAT OF EPHRAIM, AND PART OF EDGEWATER RESORT CONDOMINIUM, AS RECORDED WITHIN DOCUMENT NO. 590627, IN HANGER 176, AND PART OF EPHRAIM YACHT HARBOR CONDOMINIUM, AS RECORDED WITHIN DOCUMENT NO. 418094, ALL LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 4, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN.

GOV'T

LOT 3

₽ COV'T

E LOT 4

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 4140-19-21-4,04

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET, VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.28

50.43

152,70

372 65

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

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

COURSE TABLE NEW RIGHT-OF-WAY

BD910 N89°33'02"W 2149.63' SEC1066 N89°33'02"W 102.15"

BD909 N89°33'02"W 1.06'

ERW848 N22°46'40"W 21.72' ERW848 ERW847* NO4°40'00"W 154.80"

PRW250 N13°26'39"E 22.42'

PRW253* N09°28'41"E 129.39'

PRW254 NO4°37'05"W 221,40"

PRW267 S04°37'05"E 131.68' PRW267 PRW266 S06°27'41"E 101.30'

PRW261* S04°35'58"W 33.40'

PRW260 S13°26'39"W 255,17'

BD910 S00°20'00"E 21,45'

POINT TO POINT BEARING

PRW250 PRW251* N10°12'11"E

PRW251 PRW252 N13°19'59"E

PRW253 ERW845 NO2°13'01"E

PRW254 PRW255 N06°27'41"W 20.83' PRW255 PRW256*N04°16'35"W 112.38'

PRW256 BD917 NO4°37'05"W 66.11'

BD917 PRW280 N89°54'16"E 43.99' PRW280 PRW268* S00°47'06"E 63.67'

PRW266 PRW265*S04°34'04"E 103.94'

PRW264 PRW263* S01°12'24"W 133.80'

PRW263 PRW262 S03°38'40"W 189.03'

PRW261 ERW839 S02°13'01"W 42.43'

ERW839 ERW838 S07°09'32"W 39.89'

PRW260 PRW259 * S05°14'51"E 175.97

PRW259 BD912 N83°56'09"E 64.10'

INDICATES LCH AND LCB

13

24

BD909

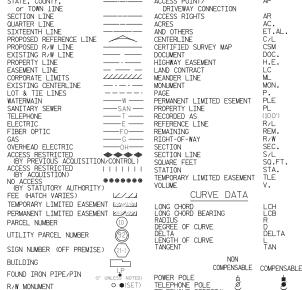
ERW845

PRW268

STATION OFFSET TABLE

| POINT | | | γ | х |
|--------|-----------|--------|-----------|-----------|
| 0910 | 351+57.33 | 75.06 | 275866.35 | |
| 0912 | 351+79.81 | 82.46 | 275887.80 | |
| 0909 | 351+93.65 | -21.89 | 275867.16 | 546816.86 |
| | 351+95.13 | 19.80 | 275881.03 | 546856.20 |
| | 351+95.57 | 17.71 | 275880.80 | 546854.08 |
| | 352+14.15 | -24.40 | | 546808.45 |
| | 352+19.83 | 14.78 | 275902.51 | 546844.96 |
| | 353+55.26 | 16.23 | 276032.26 | |
| | 353+61.77 | -22.82 | | |
| | 353+80.71 | 19.80 | 276056.26 | 546840.11 |
| | 353+82.97 | -19.80 | 276063.27 | |
| | 354+31.26 | -19.80 | 276112.90 | 546810.00 |
| | 355+83.96 | -19.80 | 276261.49 | |
| ERW838 | 356+36.96 | 24.52 | 276304.44 | 546899.44 |
| | 356+53.14 | -14.12 | | |
| | 356+75.88 | 23.16 | 276344.01 | |
| PRW253 | 357+16.11 | -19.80 | 276389.11 | 546866.52 |
| PRW261 | 357+17.27 | 19.80 | 276386.41 | 546906.05 |
| PRW262 | 357+50.01 | 19.80 | 276419.70 | 546908.73 |
| | 359+39.04 | 19.80 | 276608.35 | 546920.74 |
| PRW264 | 360+71.20 | 19.80 | 276742.12 | 546923.56 |
| ERW822 | 360+71.27 | 16.06 | 276742.11 | 546919.82 |
| ERW846 | 360+72.08 | -23.56 | 276742.05 | 546880.19 |
| ERW845 | 360+91.76 | -22.26 | 276761.47 | 546880.94 |
| PRW265 | 361+10.32 | 19.80 | 276781.72 | 546922.21 |
| ERW823 | 361+10.46 | 16.63 | 276781.71 | 546919.03 |
| ERW844 | 361+12.29 | -23.06 | 276781.65 | 546879.31 |
| PRW266 | 362+12.98 | 19.80 | 276885.33 | 546913.93 |
| PRW267 | 363+14.27 | 19.80 | 276985.98 | 546902.53 |
| PRW254 | 363+14.91 | -19.80 | 276982.16 | 546863.11 |
| PRW255 | 363+35.74 | -19.80 | 277002.86 | 546860.77 |
| PRW256 | 364+46.64 | -19.80 | 277114.92 | 546852.39 |
| PRW268 | 364+47.51 | 19.80 | 277117.24 | 546891.93 |
| 0917 | 365+11.63 | -24.19 | 277180.82 | 546847.07 |
| ERW851 | 365+12.02 | 15.53 | 277180.89 | |
| PRW280 | 365+12.07 | 19.80 | 277180.90 | 546891.06 |
| | | | | |

CONVENTIONAL SYMBOLS AND ABBREVIATIONS ACCESS POINT/ DRIVEWAY CONNECTION



TELEPHONE POLE Ø TELEPHONE PEDESTAL X

KAPUR & ASSOCIATES, INC. CONSULTING ENGINEERS MILWALKEE, WISCONSIN 414,331,6668

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

△ A(SET)



SIGNATURE JA. J. Schneiden DATE 09/25/2017 GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION. SIGNATURE _____DATE 10/16/2017 PRINT____CURT_VAN_EREM_____

ALUMINUM MON. WITH CAP

= 275867.15

PLOT DATE: 10/11/2017 9:11 AM

GOV'T LOTA

z

GOV'T

LOT 4

FPHRAIM

PLOT BY : RAISA KHAYTINA

QTR #1067 ALUMINUM MON. WITH CAP

= 275849.49

PLOT NAME :

LOCATION

LOCATION

R/W STANDARD

SECTION CORNER SYMBOL

SIGN

PLOT SCALE : **********

RESERVED FOR REGISTER OF DEEDS

PROJECT NUMBER 4140-19-21-4,04

PART OF LOTS 35 AND 36, OF BLOCK N, PART OF LOT 40, OF BLOCK O, AND PART OF LOT 41, OF BLOCK P, OF THE ORIGINAL PLAT OF EPHRAIM, AND PART OF EDGEWATER RESORT CONDOMINIUM, AS RECORDED WITHIN DOCUMENT NO. 590627, IN HANGER 176, AND PART OF EPHRAIM YACHT HARBOR CONDOMINIUM, AS RECORDED WITHIN DOCUMENT NO. 418094, ALL LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 4, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN.

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.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

50 100

SCALE, FEET

GOV'T

LOT 3

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.28

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

COURSE TABLE NEW RIGHT-OF-WAY

| DURSE TA | ABLE NE' | W RIGHT-OF- | WAY | | STATIO | N OFFSE | ET TA | BLE | |
|-----------|----------|-----------------|----------|---|----------------|------------------------|--------|------------------------|-----------|
| POINT TO | DOINT | BEARING | DIST. | 1 | POINT | STATION | OFFSET | | Х |
| - UINT TU | FUINT | DEARING | DIST. | | BD910 | | | 275866.35 | |
| 0504063 | 00040 | N10007710011111 | 0440 671 | 1 | BD912 BD909 | | | 275887.80 275867.16 | |
| SEC1067 | BD910 | N89°33'02"W | 2149.63 | | | 351+95.13 | | | |
| BD910 | | N89°33'02"W | 102.15' | | | 351+95.57 | | | |
| SEC1066 | BD909 | N89°33'02"W | 1.06' | | | 352+14.15 | | | |
| BD909 | ERW848 | N22°46'40"W | 21.72' | | | 352+19.83 | | | |
| ERW848 | ERW847* | NO4°40'00"W | 154.80' | | | 353+55.26 | | | |
| ERW847 | PRW250 | N13°26'39"E | 22,42' | | | 353+61.77 | | | |
| PRW250 | | N10°12'11"E | 50,43' | | | 353+80.71 353+82.97 | | | |
| PRW251 | | N13°19'59"E | 152,70' | | | 353+82.97 | | | |
| | | | | | | 355+83.96 | | | |
| PRW252 | | N09°28'41"E | 129.39' | | | 356+36.96 | | | |
| PRW253 | ERW845 | N02°13'01"E | 372.65' | | ERW821 | 356+53.14 | -14.12 | 276327.02 | 546864.12 |
| ERW845 | PRW254 | NO4°37'05"W | 221,40' | | | 356+75.88 | | | |
| PRW254 | PRW255 | N06°27'41"W | 20,831 | | | 357+16.11 | | | |
| PRW255 | PRW256* | NO4°16'35"W | 112,38' | | | 357+17.27 | | | |
| PRW256 | BD917 | NO4°37'05''W | 66.11' | | | 357+50.01 359+39.04 | | | |
| BD917 | | N89°54'16"E | 43.99' | | | 360+71.20 | | | |
| | | | | | | 360+71.27 | | | |
| PRW280 | | S00°47'06"E | 63.67' | | | 360+72.08 | | | |
| PRW268 | PRW267 | S04°37'05"E | 131,68' | | | 360+91.76 | | | |
| PRW267 | PRW266 | S06°27'41"E | 101,30' | | | 361+10.32 | | | |
| PRW266 | PRW265* | S04°34'04"E | 103.94 | | | 361+10.46 | | | |
| PRW265 | PRW264 | S01°57'10"E | 39.62' | | | 361+12.29 362+12.98 | | | |
| PRW264 | | S01°12'24''W | 133,80' | | | 362+12.98 | | | |
| PRW263 | PRW262 | S03°38'40"W | 189.03' | | | 363+14.91 | | | |
| | | S04°35'58"W | | | PRW255 | 363+35.74 | -19.80 | 277002.86 | 546860.77 |
| PRW262 | | | 33.40' | | | 364+46.64 | | | |
| PRW261 | | S02°13'01"W | 42.43' | | | 364+47.51 | | | |
| ERW839 | ERW838 | S07°09'32"W | 39.89' | | BD917 | | | 277180.82 | |
| ERW838 | PRW260 | S13°26'39"W | 255,17' | | | 365+12.02 365+12.07 | | 277180.89 277180.90 | |
| PRW260 | PRW259* | S05°14'51"E | 175.97' | | PKW280 | 303+12.07 | 19.80 | 2//180.90 | 540891.06 |
| | | | | 1 | | | | | |

BD912 N83°56'09"E 64.10'

BD910 S00°20'00"E 21.45'

CONVENTIONAL SYMBOLS AND ABBREVIATIONS ACCESS POINT



KAPUR & ASSOCIATES, INC. CONSULTING ENGINEERS MILWAUKEE, WISCONSIN 414.351.8668 I, GARY D. SCHNEIDER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGN

GARY D. SCHNEIDER S-1297 West Bend

SIGNATURE Jan J. Schnall DATE 06/12/2017 GARY D. SCHNEYDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION. SIGNATURE ___ ___DATE 6/16/2017 PRINT CURT VAN EREM

DETAIL "B" SCALE 1"=50" Y 276883.10 X 546894.26 276337.90 546883.68 (PRW253)-166.06 (34) X 546864.48 X 546888.97 <u> 21:356+67.18</u> CEDAR STREET 264.31 442.00 Y 275848.52 Curve Table c Length Radius Delta

461.80' 6°15'36" 50.43 N10°12'11"8

422.20' 24°03'23" 175.97 S5°14'51"E

1001.80' 1°54'37" 33.40 \$4°35'58"

1572.91' 4°52'31" 133.80 N1°12'24"

1434.20' 2°32'37" 63.67 S0°47'06'

1473.80' 4°22'II" 112.38 N4°16'35"\

209.38' 24°55'39" 90.38 \$0°58'50"

7°42'37" | 129.39 | N9°28'41"E

SCHEDULE OF LANDS & INTERESTS REQUIRED

EPHRAIM YACHT HARBOR

37 ONESON TRUST OF 1994

(PRW256)

PC 363+.

(PRW254)-

50.45

129.48'

177.27

133.84

63.67

112.40*

91,10

103.96

PT 362+12.

(PRW255)-

(36)

4

38 BRAD & AMY H RUSSELL

39 VILLAGE OF EPHRAIM

34 EDGEWATER RESORT CONDOMINIUM OWNER'S ASSOCIATION

42 EPHRAIM YACHT HARBOR CONDOMINIUM OWNER'S ASSOCIATION

DWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT ANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

DETAIL "A" SCALE 1"=40"

(42)

₩268

33 EPHRAIM SHORES, INC

NUMBER

R/W ACRE(S) REQUIRED T.L.E.

NEW EXISTING TOTAL AREA

0.017

0.029

0.002

0.003

0.039

0.016

0.010

0.010

MUTUAL DRIVE-AGREEMENT DOC. 372892

SEE TPP 4140-19-21-4.05

REQUIRED

0.017

0.029

0.002

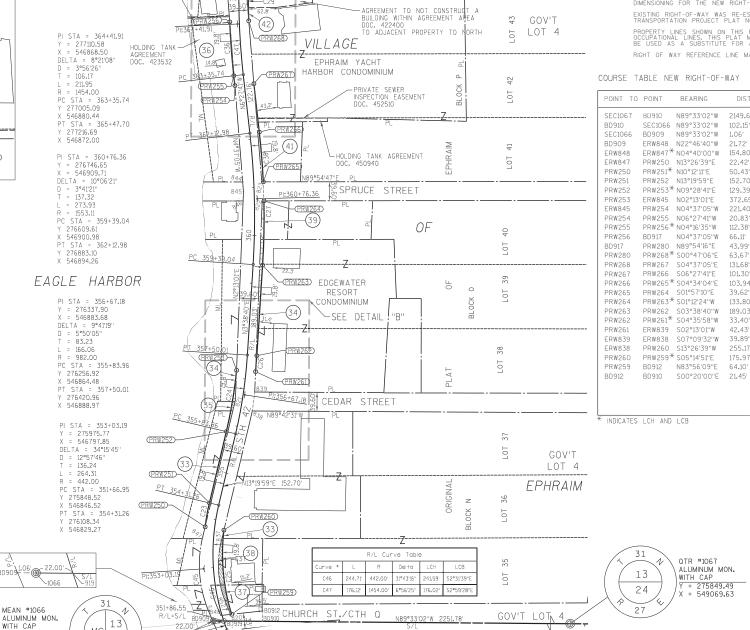
0.003

0.009

0.016

0.010

0.010



SEE TPP 4140-19-21-4.03

SEE DETAIL "A"

20' ROAD FASEMENT

APPROXIMATE GOVERNMENT LOT LINE

DOC, 428490

LOCATION LOCATION LOCATION SKETCH (NOT TO SCALE)

PLOT DATE: 6/15/2017 4:34 PM

PLOT BY : RAISA KHAYTINA

OTR #1067

13

24

ALUMINUM MON. WITH CAP Y = 275849.49

PLOT NAME :

PLOT SCALE : *********

R/W STANDARD SIGN

SECTION CORNER SYMBOL

MEAN #1066

= 275867.15 = 546817.92

27

RESERVED FOR REGISTER OF DEEDS

PROJECT NUMBER 4140-19-21-4.05

ET.AL.

DOC. H.E. LC ML MON.

PLE

R/W

LCH LCB

TAN

4140-19-21 4.05

| SCHEDULE | OF LANDS & INTERESTS REQUIRED | | | | | | |
|----------|--|---------------|-------|------------|-------|--------|--------|
| PARCEL | *OWNFR | INTEREST | R/W A | CRE(S) REQ | UIRED | P.L.E. | T.L.E. |
| NUMBER | OWNER | REQUIRED | NEW | EXISTING | TOTAL | AREA | AREA |
| 43 | PAUL L & JUDITH M FLOTTMAN | FEE, PLE, TLE | 0.004 | 0.074 | 0.078 | 0.030 | 0.056 |
| 44 | VILLAGE OF EPHRAIM | FEE, TLE | 0.002 | | 0.002 | | 0.012 |
| 45 | ANDREW D. & JOAN D. KLIMPEL | FEE | 0.010 | | 0.010 | | |
| 46 | PRIME SITES DOOR COUNTY DEV., LLC | FEE | 0.027 | 0.178 | 0.205 | | |
| 47 | BEETLE AND POKER CONDOMINIUM OWNER'S ASSOCIATION | FEE | 0.011 | | 0.011 | | |
| 48 | CHARLES W & ELINOR W PEARSON | TLE | | | | | 0.009 |
| 49 | EPHRAIM FOUNDATION, INC. | FEE | 0.017 | | 0.017 | | |
| 50 | JOHN BAKER WELCH, AS TRUSTEE OF THE JOHN BAKER TRUST | FEE | 0.006 | | 0.006 | | |
| 51 | ANDERSON FAMILY PROPERTIES, LLC | FEE | 0.007 | | 0.007 | | |

SCALE 1"=40"

STORM SEWER (PLEATR

Radius

MC 13

318,631

38,201

MEAN #1066

ALUMINUM MON. WITH CAP

Y = 275867.15 X = 546817.92

PC 369+93.

NO®33'37"F 95.12'-

61.70 S4°02'11"W

N1°53'27"E 32,71'

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

DETAIL "A"

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.05 AMENDMENT NO: 2, AMENDS PARCEL NO: 48, OF TRANSPORTATION PROJECT PLAT NO: 4140-19-21-4.05, RECORDED AS DOCUMENT NO: 805372

| _ | 1 | SCHEDU | LE OF UTILITIES & INTERESTS REQUI | KED |
|---|---|-------------------|---|----------------------|
| | | UTILITY NUMBER | *OWNER | INTEREST REQUIRED |
| | | 300 | FRONTIER COMMUNICATIONS OF WILLC | RELEASE OF RIGHTS |
| | | 303 | CHARTER COMMUNICATIONS | RELEASE OF RIGHTS |
| | | 704 | WICCONCIN DUDING CEDVICE CODDODATION FLECTRIC | DELEACE OF DIGUES |

FRONTIER COMMUNICATIONS OF WILLCE

VILLAGE

PI:376+86.44

PC 375+76.

PT 374+20.18

0 50 100 SCALE, FEET

APPROXIMATE GOVERNMENT LOT LINE

GOV'T

LOT 3

GOV'T

LOT 2

LOT 1 C.S.M. 2108 V. 12, P. 346 DOC. 688709

-SEE DETAIL "A"

-LOT 1 C.S.M. 2399 V. 14, P. 199 DOC. 717824

GOV'T

LOT 3

GOV'T LOT 4

APPROXIMATE GOVERNMENT LOT LINE

-DECLARATION OF EASEMENT FOR VEHICULAR PARKING DOC. 718123

-BEETLE AND POKER CONDOMINIUM

(50)

SEE TPP 4140-19-21-4.04

0F

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC PARCELS 43, 48, 50

VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN. RELOCATION ORDER STH 42 DOOR COUNTY

STATION OFFSET TABLE POINT STATION OFFSET Y BD919 351+86.55 0.00 275866.98 546839.92 BD917 365+11.63 -24.19 277180.82 546847.07 BD918 365+11.86 0.00 277180.86 546871.26 ERW851 365+12.02 15.53 277180.89 546886.79 PRW280 365+12 07 19 80 277180 90 546891 06 ERW843 365+23.49 -25.31 277192.90 546846.09 ERW824 365+25.27 14.30 277194.02 546885.73 PRW269 365+47.70 19.80 277216.03 546891.79 PRW270 365+80.41 19.80 277248.73 546892.87 PRW271 368+98 58 19 80 277567 28 546899 68 PRW303 369+06.85 19.80 277575.55 546899.76 PRW302 369+06.97 14.98 277575.72 546894.94 PLE614 369+96.05 -23.35 277665.26 546857.49 PRW304 369+96.74 16.26 277665.38 546897.11 PRW272 369+96.81 19.80 277665.40 546900.65 TLE567 369+97.05 30.80 277665.46 546911.65 PLF616 369+98 73 -88 94 277669 26 546791 96 PLE617 370+15.28 -23.48 277685.27 546857.97 TLE554 370+15.54 -43.24 277686.47 546838.25 PLE618 370+16.06 -87.45 277689.17 546794.12 ERW825 370+22.21 15.94 277690.14 546897.70 ERW826 370+24.15 -23.76 277694.50 546858.20 TLE563 370+60.33 30.80 277725.19 546915.86 PRW273 370+60.73 19.80 277726.95 546904.99 PRW274 370+62.09 -19.80 277733.31 546865.88 TLE555 370+97.20 -41.64 277773.26 546850.17 TLE556 370+99.03 -19.80 277771.02 546871.97 TLE569 371+11.38 21.07 277774.87 546914.49 TLE568 371+11.58 32.07 277772.73 546925.28 PRW275 371+27.00 -19.80 277799.27 546878.18 ERW840 371+40.33 20.00 277802.74 546920.01 PRW276 371+43.90 -19.80 277815.68 546882.20 PRW277 371+80.21 19.80 277841.52 546929.31 ERW828 371+80.40 18.20 277842.09 546927.80

PRW278 373+00.45 19.80 277958.31 546957.93

PRW279 373+71.75 19.80 278031.31 546970.40 ERW830 373+72.23 14.80 278032.29 546965.47

ERW841 373+76.33 -24.59 278039.98 546926.63

| COURSE | ЕТ. | ABLE | | |
|--------------------------------------|----------|------------------------------|--|--------------------------------------|
| POINT | ТО | POINT | BEARING | DIST. |
| PLE614 PLE616 PLE618 PLE617 | Pi Pi | E616 E618 E617 E614 | N86°30'12"W N06°10'33"E S86°30'12"E S01°22'57"W | 65.65' 20.02' 63.98' 20.01' |

* INDICATES LCH AND LCB

13

24

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.

PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2399, WITHIN VOLUME 14, ON PAGE 199, DOCUMENT NO. 717824, AND PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2108, WITHIN VOLUME 12, ON PAGE 346, DOCUMENT NO. 688709, AND PART OF BEETLE AND POKER CONDOMINIUM AS RECORDED WITHIN DOCUMENT NO. 741153, ALL LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 3, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE

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.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS. RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES. EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.28

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO PURPOSE AND EGESSARY EQUIPMENT THEREON, THE RIGHT OF INCRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PURPOSE, NCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY NEEM DESIRABLE. ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS EXPLAINS AND STRUMENT IS GIVEN.

SIXTEENTH LINE
PROPOSED REFERENCE LINE

or TOWN LINE SECTION LINE QUARTER LINE

PROPOSED R/W LINE EXISTING R/W LINE PROPERTY LINE

EASEMENT LINE
CORPORATE LIMITS
EXISTING CENTERLINE
LOT & TIE LINES

WATERMAIN

SANTTARY SEWER

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

| COURSE T. | ABLE NE | W RIGHT-OF- | WAY |
|---------------|------------|---------------------------|----------|
| POINT TO | POINT | BEARING | DIST. |
| SEC1067 | BD919 | N89°33'02"W | 2229.78 |
| BD919 | BD918 | N01°21'58"E | 1314.26' |
| BD918 | BD917 | S89°54'16"W | 24.19" |
| BD917 | ERW843 | NO4°37'05"W | 12.12' |
| ERW843 | ERW826 | N01°22'57"E | 501.74 |
| ERW826 | PRW274 | N11°12'13"E | 39.57' |
| PRW274 | PRW275 | N10°33'23"E | 67.09' |
| PRW275 | PRW276 | N13°46'25"E | 16.90' |
| PRW276 | ERW841 | N11°12'13"E | 228,66' |
| ERW841 | ERW830 | S78°47'47"E | 39.60' |
| ERW830 | PRW279 | S78°47'47"E | 5.02' |
| PRW279 | PRW278 | S09°41'18''W | 74.06' |
| PRW278 | PRW277 | S13°46'25"W | 120,24 |
| PRW277 | ERW840 | S13°29'10"W | 39.89' |
| ERW840 | PRW273 | S11°12'13"W | 77.26' |
| PRW273 | PRW272+ | S04°02'11''W | 61.70' |
| PRW272 | PRW304 | S89°42'15"W | 3.54' |
| PRW304 | PRW302 | S01°22'57"W | 89.69' |
| PRW302 | PRW303 | S87°56'57"E | 4.82' |
| PRW303 | PRW271 | S00°33'37"W | 8.27' |
| PRW271 | PRW270 | ⁵ S01°13'32''W | 318.62' |
| PRW270 | PRW269 | S01°53'27"W | 32.72' |
| PRW269 | PRW280 | 501°11'20''W | 35.14' |
| PRW280 | BD918 | S89°54'16"W | 19.80' |
| ¥ 1010101.TEC | 1.011 1110 | 1.00 | |

* INDICATES LCH AND LCB

PROJECT

LOCATION

LOCATION

PLA1

Eaale

R-27-E

— SAN — — T — — E — — F0— TELEPHONE ELECTRIC FIBER OPTIC RIGHT-OF-WAY OVERHEAD ELECTRIC SECTION SECTION LINE SQUARE FEET STATION ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL) ACCESS RESTRICTED (BY ACQUISTION) SECTION LINE S/L SOLUARE FEET SQ.FT. STATION STA. TEMPORARY LIMITED EASEMENT TLE NO ACCESS (BY STATUTORY AUTHORITY) VOLUME CURVE DATA \angle/\angle FEE (HATCH VARIES) TEMPORARY LIMITED EASEMENT LONG CHORD LONG CHORD BEARING RADIUS DEGREE OF CURVE PFRMANENT LIMITED EASEMENT PARCEL NUMBER UTILITY PARCEL NUMBER LENGTH OF CURVE TANGENT SIGN NUMBER (OFF PREMISE) BUILDING COMPENSABLE COMPENSABLE FOUND IRON PIPE/PIN (1" UNLESS NOTED) ○ ●(SET) △ ▲(SET) POWER POLE TELEPHONE POLE TELEPHONE PEDESTAL R/W MONUMENT R/W STANDARD SIGN SIGN SECTION CORNER SYMBOL KAPUR & ASSOCIATES, INC. CONSULTING ENGINEERS INTLWAUKEE, WISCONSIN 414,351,5666 ALL EXTERIOR BOLINDARIES OF THE SURVEYED LAND. a> e³ | eac+ = 0

I, GARY D. SCHNEIDER, PROFESSIONAL LAND SUPVEYOR, HEREBY CERTIFY
THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF
THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE
DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS
TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

111111111

ACCESS POINT/ DRIVEWAY CONNECTION

CERTIFIED SURVEY MAP

PERMANENT LIMITED ESEMENT

HTCHWAY FASEMENT

LAND CONTRACT MEANDER LINE MONUMENT

PROPERTY LINE
RECORDED AS
REFERENCE LINE

REMAINING

ACCESS RIGHTS ACRES
AND OTHERS
CENTERLINE

DOCUMENT

PAGE

S-1297 West Bend

SIGNATURE Jany M. Schneide DATE 11/07/2017 GARY D. SCHNEIDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION. SIGNATURE ______DATE 11/13/2017 PRINT____CURT_VAN_EREM____

FILE NAME : S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG

PLOT DATE: 11/7/2017 4:25 PM

EPHRAIM

OTR #1067

WITH CAP

ALUMINUM MON.

2**7**5849.49 549069.63

PLOT SCALE : **********

PLOT BY : RAISA KHAYTINA PLOT NAME :

LOCATION SKETCH (NOT TO SCALE)

PI STA = 376+66.44 PI STA = 373+60.61 PI STA = 370+60.65 Y = 278347.86 Y = 278021.44 Y = 2777729.53 Y = 546953.02 X = 546953.02 DELTA = 10°04'41" DELTA = 13°43'12" DELTA = 13°42'48" D = 128.46 L = 19.73 L = 133.30 PC STA = 375+76.93 Y = 278.28.34 Y = 277662.59 Y = 2784.66 DELTA = 375+76.93 Y = 278238.34 Y = 2 27808159 X 546972.59

PI STA = 376+86.44

PI STA = 367+39.50 Y = 277408.39 X = 546878.33 PI STA = 364+41.91 = 277110.58 546868.50 DELTA = 8°21'08' D = 3°56'26" = 159.09 318.17

U = 3*9626" T = 106.17 L = 211.95 R = 1454.00 PC STA = 363+35.74 Y 277005.09 X 546880.44 PT STA = 365+47.70 R = 13700.00 PC STA = 365+80.41 Y 277249.38

(PRW271)

X 546873.08 PT STA = 368+98.58 Y 277567.47 X 546879.88

PI STA = 373+60.61 PI STA = 370+60.65

PT STA = 365+47.70 Y 277216,69

X 546872.00

RESERVED FOR REGISTER OF DEEDS

PROJECT NUMBER 4140-19-21-4.05

SCALE 1"=40'

-0000

PI STA = 373+60.61 PI STA = 370+60.65

X 546938.70 X 546880.81 PT STA = 374+20.18 PT STA = 371+27.00

PI STA = 364+41.91

Y = 277110.58

X = 546868.50

X = 546868.50 DELTA = 8°21'08" D = 3°56'26" T = 106.17

R = 1454.00 PC STA = 363+35.74 Y 277005.09

X 546880.44 PT STA = 365+47.70 Y 277216.69

DELTA = 13°12'48" D = 9°54'46"

66.94 133.30

Y = 278021,44 X = 546953,02 DELTA = 13°43'12"

PRW271)

6360

38,20

MEAN #1066

ALUMINUM MON. WITH CAP

PLE FOR DRAINAGE/
STORM SEWER (PLE618)

/ MC 13

PC 369+93.

NO°33'37"E 95,12'-

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

DETAIL "A"

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.05 AMENDMENT NO: 1, CHANGES UTILITY NUMBER 305 TO UTILITY NUMBER 300, OF TRANSPORTATION PROJECT PLAT NO: 4140-19-21-4.05, RECORDED AS DOCUMENT NO: 805372

SCHEDULE OF UTILITIES & INTERESTS REQUIRED *owner

FRONTIER COMMUNICATIONS OF WILLC PARCELS 43, 48, 50

CHARTER COMMUNICATIONS
PARCELS 43, 48, 50

VILLAGE

PC 375+76.9

PT 374+20.1

SCALE, FEET

PPROXIMATE GOVERNMENT LOT LINE

GOV'T

LOT 3

GOV'T

LOT 2

LOT 1 C.S.M. 2108 V. 12, P. 346 DOC. 688709

-SEE DETAIL "A"

-LOT 1 C.S.M. 2399 V. 14. P. 199

GOV'T

LOT 3

GOV'T LOT 4

APPROXIMATE GOVERNMENT LOT LINE

-DECLARATION OF EASEMENT FOR VEHICULAR PARKING DOC. 718123

-BEETLE AND POKER

(50)

SEE TPP 4140-19-21-4.04

N1°21'58"E 1314.26"

0F

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC PARCELS 43, 48, 50

VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN. RELOCATION ORDER STH 42 DOOR COUNTY TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT. 0 50 100

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 ACCUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2399, WITHIN VOLUME 14, ON PAGE 199, DOCUMENT NO. 717824, AND

PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2108, WITHIN VOLUME 12, ON PAGE 346, DOCUMENT NO. 688709, AND

PART OF BEETLE AND POKER CONDOMINIUM AS RECORDED WITHIN DOCUMENT NO. 741153, ALL LOCATED IN AND

INCLUDING LANDS IN GOVERNMENT LOT 3, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS. RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES. EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.28

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

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

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

STATION OFFSET TABLE

BD919 351+86.55 0.00 275866.98 546839.92 BD917 365+11.63 -24.19 277180.82 546847.07 BD918 365+11.86 0.00 277180.86 546871.26 ERW851 365+12.02 15.53 277180.89 546886.79 PRW280 365+12.07 19.80 277180.90 546891.06 ERW843 365+23.49 -25.31 277192.90 546846.09 ERW824 365+25.27 14.30 277194.02 546885.73 PRW269 365+47.70 19.80 277216.03 546891.79 PRW270 365+80.41 19.80 277248.73 546892.87 PRW271 368+98.58 19.80 277567.28 546899.68 PRW272 369+93.70 19.80 277662.40 546900.61 PLE614 369+96.05 -23.35 277665.26 546857.49 TLE566 369+96.81 19.80 277665.40 546900.65 TLE567 369+97.05 30.80 277665.46 546911.65 PLE616 369+98.73 -88.94 277669.26 546791.96 PLE617 370+15 28 -23 48 277685 27 546857 97 TLE554 370+15.54 -43.24 277686.47 546838.25 PLE618 370+16.06 -87.45 277689.17 546794.12 ERW825 370+22.21 15.94 277690.14 546897.70 ERW826 370+24.15 -23.76 277694.50 546858.20 TLE563 370+60.33 30.80 277725.19 546915.86 PRW273 370+60.73 19.80 277726.95 546904.99 PRW274 370+62.09 -19.80 277733.31 546865.88 TLE555 370+97.20 -41.64 277773.26 546850.17 TLE556 370+99.03 -19.80 277771.02 546871.97 TLE569 371+11.38 21.07 277774.87 546914.49 TLE568 371+11.58 32.07 277772.73 546925.28 PRW275 371+27.00 -19.80 277799.27 546878.18 ERW840 371+40.33 20.00 277802.74 546920.01 PRW276 371+43.90 -19.80 277815.68 546882.20 PRW277 371+80.21 19.80 277841.52 546929.31 ERW828 371+80.40 18.20 277842.09 546927.80 PRW278 373+00.45 19.80 277958.31 546957.93 PRW279 373+71.75 19.80 278031.31 546970.40 ERW841 37376.33 -24.59 278039.98 546926.63

COURSE TABLE

| POINT | TO POINT | BEARING | DIST. |
|--------------------------------------|--------------------------------------|--|--------------------------------------|
| PLE614 PLE616 PLE618 PLE617 | PLE616 PLE618 PLE617 PLE614 | N86°30'12''W N06°10'33''E S86°30'12''E S01°22'57''W | 65.65' 20.02' 63.98' 20.01' |

^{*} INDICATES LCH AND LCB

| COURSE T | ABLE NE | W RIGHT-OF- | WAY |
|----------|---------|--------------|----------|
| POINT TO | POINT | BEARING | DIST. |
| SEC1067 | BD919 | N89°33'02"W | 2229.78' |
| BD919 | BD918 | N01°21'58"E | 1314.261 |
| BD918 | BD917 | S89°54'16"W | 24.19' |
| BD917 | ERW843 | N04°37'05"W | 12.12' |
| ERW843 | ERW826 | N01°22'57"E | 501.74 |
| ERW826 | PRW274 | N11°12'13"E | 39.57' |
| PRW274 | PRW275* | N10°33'23"E | 67.09' |
| PRW275 | PRW276 | N13°46'25"E | 16.90' |
| PRW276 | ERW841 | N11°12'13"E | 228,661 |
| ERW841 | ERW830 | S78°47'47"E | 39.60' |
| ERW830 | PRW279 | S78°47'47"E | 5.02' |
| PRW279 | PRW278* | S09°41'18''W | 74.06' |
| PRW278 | PRW277 | S13°46'25"W | 120.24 |
| PRW277 | ERW840 | S13°29'10"W | 39.89' |
| ERW840 | PRW273 | S11°12'13"W | 77.26' |
| PRW273 | PRW272* | S03°52'57"W | 64.70' |
| PRW272 | PRW271 | S00°33'37"W | 95.12' |
| PRW271 | PRW270→ | 501°13'32''W | 318.62' |
| PRW270 | PRW269 | | 32.72 |
| PRW269 | PRW280→ | 501°11'20''W | 35.14' |
| PRW280 | BD918 | S89°54'16"W | 19.80' |
| | | | |
| | | | |

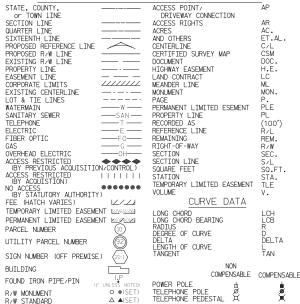
PROJECT

LOCATION

Eaale

LOCATION

CONVENTIONAL SYMBOLS AND ABBREVIATIONS



KAPUR & ASSOCIATES, INC. CONSULTING ENGINEERS MILWAUKEE, WISCONSIN 414.351.6668

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

PSIGN (III)



SIGNATURE Jany M. Schnall DATE 08/23/2017 GARY D. SCHNETDER, P.L.S. S-1297

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION. SIGNATURE ______DATE 8/23/2017 PRINT____CURT VAN EREM

FILE NAME :S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG

PLOT DATE: 8/23/2017 8:53 AM

EPHRAIM

PLOT BY : GALINA BOBROVA

OTR #1067

WITH CAP

ALUMINUM MON.

= 275849 49

PLOT NAME :

LOCATION SKETCH (NOT TO SCALE)

STGN

SECTION CORNER SYMBOL

PC 36 N1°53'27"F 32.71'-

13

24

PI STA = 376+86.44

Y = 278347.86 X = 546953.33

109.51

Y 278455.66

X 546972 59

Y 278238.34 X 546953.23 PT STA = 377+95.39

PI STA = 367+39,50 Y = 277408,39 X = 546878,33

L = 318.17 R = 13700.00 PC STA = 365+80.41 Y 277249.38 X 546873.08 PT STA = 368+98.58 Y 277567.47 X 546879.88

DELTA = 1°19'50' D = 0°25'06" T = 159.09

| SCHEDULE OF LANDS & INTERESTS REQUIRED | | | | | | | |
|--|--|---------------|----------------------|----------|--------|--------|-------|
| PARCEL | *OWNER | | R/W ACRE(S) REQUIRED | | P.L.E. | T.L.E. | |
| NUMBER | OWNER | REQUIRED | NEW | EXISTING | TOTAL | AREA | AREA |
| 43 | PAUL L & JUDITH M FLOTTMAN | FEE, PLE, TLE | 0.004 | 0.074 | 0.078 | 0.030 | 0.056 |
| 44 | VILLAGE OF EPHRAIM | FEE, TLE | 0.002 | | 0.002 | | 0.012 |
| 45 | ANDREW D. & JOAN D. KLIMPEL | FEE | 0.010 | | 0.010 | | |
| 46 | PRIME SITES DOOR COUNTY DEV., LLC | FEE | 0.027 | 0.178 | 0.205 | | |
| 47 | BEETLE AND POKER CONDOMINIUM OWNER'S ASSOCIATION | FEE | 0.011 | | 0.011 | | |
| 48 | CHARLES W & ELINOR W PEARSON | FEE | 0.009 | | 0.009 | | |
| 49 | EPHRAIM FOUNDATION, INC. | FEE | 0.017 | | 0.017 | | |
| 50 | JOHN BAKER WELCH, AS TRUSTEE OF THE JOHN BAKER TRUST | FEE | 0.006 | | 0.006 | | |
| 51 | ANDERSON FAMILY PROPERTIES, LLC | FEE | 0.007 | | 0.007 | | |

("=40"

-(TLE566)

₩

PI STA = 373+60.61 PI STA = 370+60.65

PC STA = 373+00.45 PC STA = 369+93.70 Y 277963.02 Y 277662.59 X 546938.70 X 546880.81

PT STA = 374+20.18 PT STA = 371+27.00

PL STA = 364+41,91 Y = 277110,58

546868,50

U = 3*36*26"
T = 106.17
L = 211.95
R = 1454.00
PC STA = 363+35.74
Y 277005.09
X 546880.44
PT STA = 365+47.70

PT STA = 365+47.70 Y 277216.69

X 546872.00

DELTA = 8°21'08" D = 3°56'26"

Y = 277729.53 X = 546881.47 DELTA = 13°12'48" D = 9°54'46"

66.94 133.30

578.00

Y 277794 55

Y = 278021.44 X = 546953.02 DELTA = 13°43'12" D = 11°27'33"

500.00

27808159

(PRW27D

-ZIV<u>DERSOŅ</u>

-803(805)

(50)

67.13

35.14

64.73

318,63

59.91

38.201

MEAN #1066

ALUMINUM MON. WITH CAP

Y = 275867.15 X = 546817.92

STORM SEWER (PLE618)-

558.20' 6°38'40" 64.70 \$3°52'57"V

547.20' 6°16'23" 59.88 \$4°01'41"W

597.80' 3°39'42" 38.20 S9°10'13"W

MC 13

Radius Delta

3719.80

PC 369+93.70

N0°33'37"E 95.12'-

PT 368+98-58

LCB

N1°53'27"E 32,71'-

365+11.86 R/L=PL

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

DETAIL "A"

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

CHARTER COMMUNICATIONS
PARCELS 43, 48, 50

PT 377+95.30

Pl:376+86,44

PC 375+76.9

PT 374+20.18

VILLAGE

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRIC PARCELS 43, 48. 50

0 50 100

PPROXIMATE GOVERNMENT LOT LINE

GOV'T

LOT 3

GOV'T

LOT 2

LOT 1 C.S.M. 2108 V. 12, P. 346 DOC. 688709

-SEE DETAIL "A"

-LOT 1 C.S.M. 2399 V. 14, P. 199 DOC. 717824

GOV'T

LOT 3

GOV'T LOT 4

APPROXIMATE GOVERNMENT LOT LINE

-DECLARATION OF EASEMENT FOR VEHICULAR PARKING DOC. 718123

-BEETLE AND POKER CONDOMINIUM

(50)

SEE TPP 4140-19-21-4.04

N1°21'58"E 1314.26' S/L TO R/L

0F

SCALE, FEET

FRONTIER COMMUNICATIONS OF WILLC

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.05

PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2399, WITHIN VOLUME 14, ON PAGE 199, DOCUMENT NO. 717824, AND PART OF LOT 1, OF CERTIFIED SURVEY MAP NO. 2108, WITHIN VOLUME 12, ON PAGE 346, DOCUMENT NO. 688709, AND PART OF BEETLE AND POKER CONDOMINIUM AS RECORDED WITHIN DOCUMENT NO. 741153, ALL LOCATED IN AND INCLUDING LANDS IN GOVERNMENT LOT 3, OF SECTION 13, TOWNSHIP 31 NORTH, RANGE 27 EAST, LOCATED IN THE VILLAGE OF EPHRAIM, DOOR COUNTY, WISCONSIN.

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN

FOR THE ABOVE NAMED PROJECT.

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 4140-19-21-4.05

STATION OFFSET TABLE

POINT STATION OFFSET Y BD919 351+86.55 0.00 275866.98 546839.92 BD917 365+11.63 -24.19 277180.82 546847.07 BD918 365+11.86 0.00 277180.86 546871.26 ERW851 365+12.02 15.53 277180.89 546886.79 PRW280 365+12.07 19.80 277180.90 546891.06 ERW843 365+23.49 -25.31 277192.90 546846.09 ERW824 365+25.27 14.30 277194.02 546885.73 PRW269 365+47.70 19.80 277216.03 546891.79 PRW270 365+80.41 19.80 277248.73 546892.87 PRW271 368+98.58 19.80 277567.28 546899.68 PRW272 369+93.70 19.80 277662.40 546900.61 PLE614 369+96.05 -23.35 277665.26 546857.49 TLE566 369+96.81 19.80 277665.40 546900.65 TLE567 369+97.05 30.80 277665.46 546911.65 PLE616 369+98 73 -88 94 277669 26 546791 96 PLE617 370+15.28 -23.48 277685.27 546857.97 TLE554 370+15.54 -43.24 277686.47 546838.25 PLE618 370+16.06 -87.45 277689.17 546794.12 ERW825 370+22.21 15.94 277690.14 546897.70 FRW826 370+24 15 -23 76 277694 50 546858 20 TLE563 370+60.33 30.80 277725.19 546915.86 PRW273 370+60.73 19.80 277726.95 546904.99 PRW274 370+62.09 -19.80 277733.31 546865.88 TLE555 370+97.20 -41.64 277773.26 546850.17 TLE556 370+99.03 -19.80 277771.02 546871.97 TLE569 371+11.38 21.07 277774.87 546914.49 TLE568 371+11.58 32.07 277772.73 546925.28 PRW275 371+27.00 -19.80 277799.27 546878.18 ERW840 371+40.33 20.00 277802.74 546920.01 PRW276 371+43.90 -19.80 277815.68 546882.20 PRW277 371+80.21 19.80 277841.52 546929.31 ERW828 371+80.40 18.20 277842.09 546927.80 PRW278 373+00.45 19.80 277958.31 546957.93

COLIRSE TARLE

| 0001101 | - 111000 | | | | |
|--------------------------------------|--------------------------------------|---|--------------------------------------|--|--|
| POINT TO POINT | | BEARING | DIST. | | |
| PLE614 PLE616 PLE618 PLE617 | PLE616 PLE618 PLE617 PLE614 | N86°30'12''W N06°10'33"E S86°30'12"E S01°22'57"W | 65.65' 20.02' 63.98' 20.01' | | |

OTR #1067

WITH CAP

ALUMINUM MON.

275849.49

549069.63

* INDICATES LCH AND LCB

PRW279 373+71.75 19.80 278031.31 546970.40 FRW830 373+72 23 14 80 278032 29 546965 47 ERW841 37376.33 -24.59 278039.98 546926.63

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DOOR COUNTY, NAD 83 (1991) IN U.S. SURVEY FEET, VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES, GRID DISTANCES MAY BE USED AS GROUND DISTANCES. ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON ROD), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS. RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES. EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4140-21-00-4.28

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

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO DEFINE THE RECESSARY EQUIPMENT THEREON, THE RIGHT OF INCRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, NCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY NEEM DESIRABLE. ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS EXPLANTABLE.

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

| COURSE T | ABLE NE | W RIGHT-OF- | WAY |
|-------------|---------|---------------------------|----------|
| POINT TO | POINT | BEARING | DIST. |
| SEC1067 | BD919 | N89°33'02"W | 2229,78' |
| BD919 | BD918 | N01°21'58"E | 1314.261 |
| BD918 | BD917 | S89°54'16"W | 24.19' |
| BD917 | ERW843 | NO4°37'05"W | 12.12' |
| ERW843 | ERW826 | N01°22'57"E | 501.74 |
| ERW826 | PRW274 | N11°12'13"E | 39.57' |
| PRW274 | PRW275 | [←] N10°33'23"E | 67.09' |
| PRW275 | PRW276 | N13°46'25"E | 16.90' |
| PRW276 | ERW841 | N11°12'13"E | 228,66' |
| ERW841 | ERW830 | S78°47'47"E | 39,60' |
| ERW830 | PRW279 | S78°47'47"E | 5.02' |
| PRW279 | PRW278 | ←S09°41'18''W | 74.06' |
| PRW278 | PRW277 | S13°46'25"W | 120,24 |
| PRW277 | ERW840 | S13°29'10"W | 39.89 |
| ERW840 | PRW273 | S11°12'13"W | 77.26' |
| PRW273 | PRW272 | ←S03°52'57"W | 64.70' |
| PRW272 | PRW271 | S00°33'37"W | 95.12' |
| PRW271 | PRW270 | * S01°13'32''W | 318.62' |
| PRW270 | PRW269 | S01°53'27"W | 32.72' |
| PRW269 | PRW280 | [≮] S01°11'20''W | 35.14' |
| PRW280 | BD918 | S89°54'16"W | 19.80' |
| * INDICATES | LCH AND | LCB | |

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

| CONTENTIONAL SIMBOLS | A VIAD VODILE LIVITOR | _ |
|--|---|---------|
| STATE, COUNTY, | ACCESS POINT/ | AP |
| or TOWN 1INE SECTION LINE QUARTER LINE | DRIVEWAY CONNECTION | |
| SECTION LINE | ACCESS RIGHTS | AR |
| QUARTER LINE | ACRES | AC. |
| SIXTEENTH LINE | AND OTHERS | ET.AL |
| PROPOSED REFERENCE LINE | CENTERLINE | C/L |
| PROPOSED R/W LINE | CERTIFIED SURVEY MAP | CSM |
| EXISTING R/W LINE | DOCUMENT | DOC. |
| PROPERTY LINE | HIGHWAY EASEMENT | H.E. |
| EASEMENT LINE | LAND CONTRACT | LC |
| CORPORATE LIMITS ////// | MEANDER LINE | ML |
| EXISTING CENTERLINE | MONUMENT | MON. |
| LOT & TIE LINES | PAGE | Ρ. |
| WATERMAINW | PERMANENT LIMITED ESEMENT | PLE |
| SANITARY SEWER ——SAN — | PROPERTY LINE | PL |
| W | PROPERTY LINE RECORDED AS REFERENCE LINE REMAINING RIGHT-OF-WAY | (100') |
| ELECTRIC ——E — | REFERENCE LINE | R/L |
| FIBER OPTIC ——FO—— | REMAINING | REM. |
| GAS — G — | RIGHT-UF-WAT | R/W |
| OVERHEAD ELECTRICOH | | SEC. |
| ACCESS RESTRICTED ◆◆◆◆ | SECTION LINE | S/L |
| (BY PREVIOUS ACQUISITION/CONTROL) | SQUARE FEET | SQ.FT |
| ACCESS RESTRICTED | STATION | STA. |
| NO ACCESS | TEMPORARY LIMITED EASEMENT | TLE |
| (BY STATUTORY AUTHORITY) | VOLUME | ٧. |
| FEE (HATCH VARIES) LZ/ZJ | CURVE DATA | |
| TEMPORARY LIMITED EASEMENT | LONG CHORD | LCH |
| PERMANENT LIMITED EASEMENT KANANA | LONG CHORD BEARING | LCB |
| PARCEL NUMBER (10) | RADIUS | R |
| | DEGREE OF CURVE | D |
| UTILITY PARCEL NUMBER 92 | DELTA LENGTH OF CURVE | DELTA |
| | TANGENT | TAN |
| SIGN NUMBER (OFF PREMISE) (21-1) | TANOLINI | IAN |
| BUILDING | NON | |
| I D | COMPENSABLE | COMPENS |
| FOUND IRON PIPE/PIN (I" UNLESS NOTED) | POWER POLE & | |
| R/W MONUMENT ○ ●(SET) | TELEPHONE POLE Ø. | , j |
| R/W STANDARD △ ▲(SET) | TELEPHONE PEDESTAL X | - |
| STEN BSIGN | | |

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

N.T.S.

GARY D. SCHNEIDER S-1297 West Bend

SECTION CORNER SYMBOL

SIGNATURE Jany W. Schneiden DATE 06/12/2017 GARY D. SCHNEIDER, P.L.S. S-1297

KAPUR & ASSOCIATES, INC. CONSULTING ENGINEERS MILWAUKEE, WISCONSIN 414.351.6668

4140-19-21 4.05

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION. SIGNATURE ____ ___DATE 6/16/2017 PRINT___CURT VAN EREM

PROJECT LOCATION LOCATION LOCATION SKETCH (NOT TO SCALE)

PLOT BY : RAISA KHAYTINA

13

24

PLOT NAME :

PLOT SCALE : **********

FILE NAME: S:\DOT\DOT_NE\140076-STH 42 BLUFF - COUNTRY WALK\SURVEY\RW-DWG\140076_TPP_01.DWG

PLOT DATE: 6/15/2017 4:34 PM

EPHRAIM

PI STA = 376+86.44

PI STA = 376+86.44 Y = 278347.86 X = 546953.33 DELTA = 10*004'41" D = 4*36'47" T = 109.51 L = 218.46 R = 1242.00 PC STA = 375+76.93 Y 278238.34 X 546955.23 PT STA = 377+95.39 Y 278455.66

PI STA = 367+39.50 Y = 277408.39 X = 546878.33

X 546873.08 PT STA = 368+98.58 Y 277567.47

= 159.09 318.17 R = 13700.00 PC STA = 365+80.41 Y 277249.38

X 546879.88

X 546972.59

TRANSPORTATION PROJECT PLAT NO: 4140-19-21 - 4.06

THAT PART OF LOT 16, BLOCK 5 OF THE VILLAGE OF SISTER BAY ASSESSOR'S PLAT NO. 1, LOCATED IN GOVERNMENT LOT 4 OF SECTION 5, ALL IN TOWNSHIP 31 NORTH, RANGE 28 EAST, VILLAGE OF SISTER BAY, DOOR COUNTY, WISCONSIN.

RELOCATION ORDER STH 42 DOOR COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HERBY ORDERS THAT:

THE UPPARTMENT OF TRANSPORTATION HEREBY UNDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09

(1) OR (2), WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 4140-19-21-4.06

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.

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RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD. DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO: 4610-06-21-4.02 PER WISDOT INSTRUCTIONS.

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

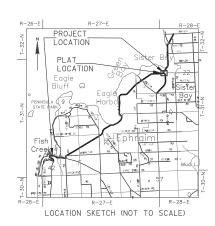
RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

NEW RIGHT-OF-WAY COURSE TABLE

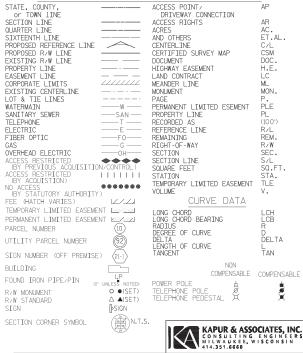
| POINT 1 | TO POINT | BEARING | DIST. |
|---------|----------|-------------|---------|
| PRW288 | PRW289 | N35°20'39"E | 142.99' |
| PRW289 | PRW290 | N08°48'22"E | 34.00' |
| PRW290 | PRW291 | S90°00'00"E | 5.00' |
| PRW291 | PRW292 | S49°40'15"E | 26.39' |
| PRW292 | PRW288 | S40°19'44"W | 174.67' |

STATION OFFSET TABLE

| | STATION | UFF 31 | I I ADL | L |
|--------|-----------|--------|-----------|-----------|
| POINT | STATION | OFFSET | Υ | Х |
| ERW923 | 609+37.00 | 31.14 | 286515.14 | 559033.65 |
| ERW929 | 609+37.16 | -34.90 | 286565.05 | 558990.39 |
| PRW288 | 609+75.15 | -36.38 | 286589.97 | 559014.11 |
| ERW924 | 609+78.14 | 29.55 | 286547.26 | 559064.42 |
| ERW925 | 610+49.00 | 28.90 | 286602.07 | 559110.95 |
| ERW926 | 610+49.00 | 36.00 | 286597.44 | 559116.34 |
| PRW289 | 611+19.12 | -49.92 | 286706.61 | 559096.83 |
| PRW290 | 611+48.00 | -67.85 | 286740.21 | 559102.03 |
| ERW927 | 611+51.00 | 36.00 | 286674.83 | 559182.78 |
| PRW291 | 611+51.26 | -64.06 | 286740.21 | 559107.03 |
| PRW292 | 611+51.40 | -37.67 | 286723.13 | 559127.15 |
| ERW928 | 612+07.00 | 60.00 | 286701.69 | 559237.47 |
| ERW930 | 612+37.05 | -38.15 | 286788.43 | 559182.58 |
| | | | | |



CONVENTIONAL SYMBOLS AND ABBREVIATIONS



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

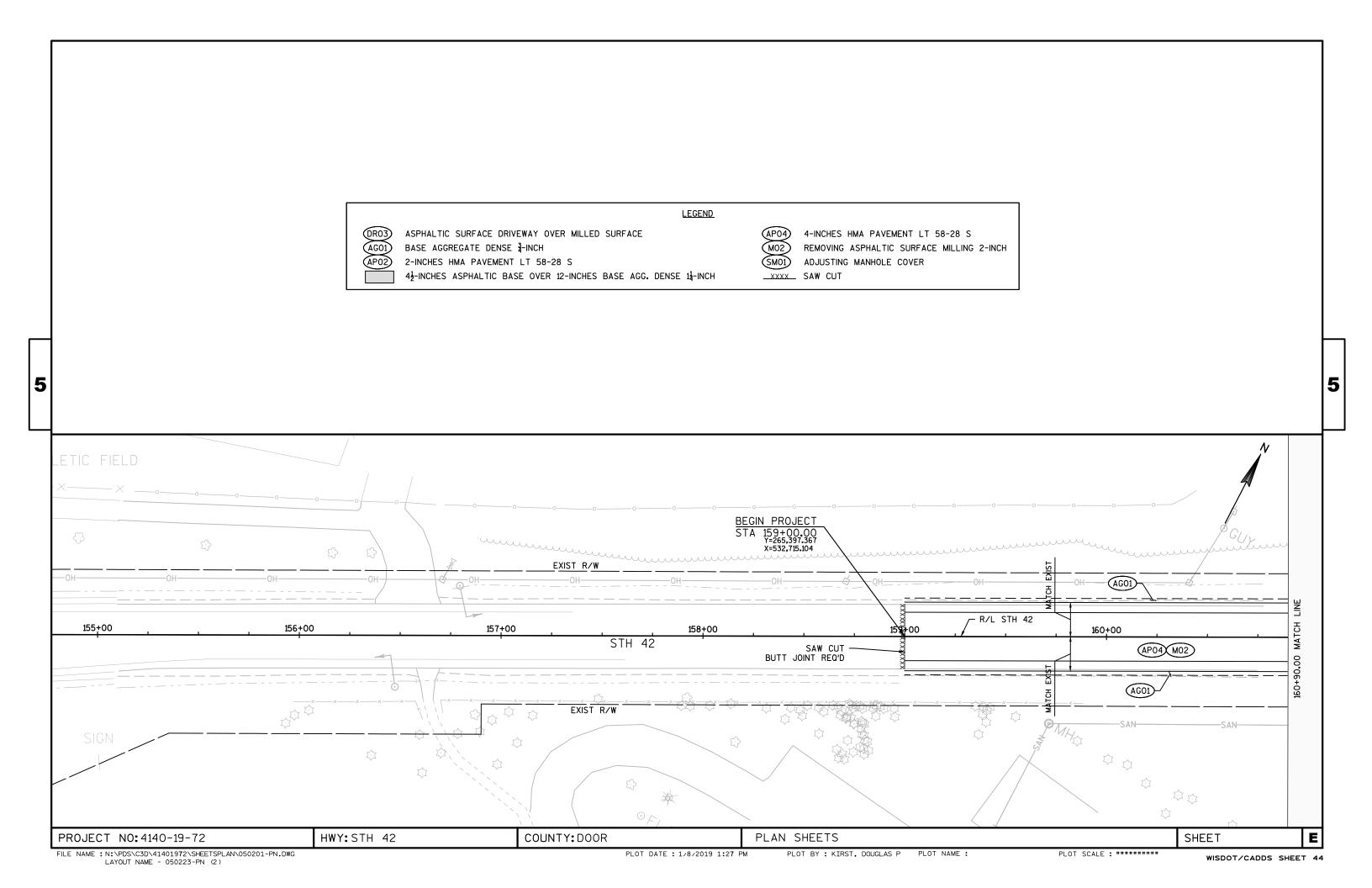


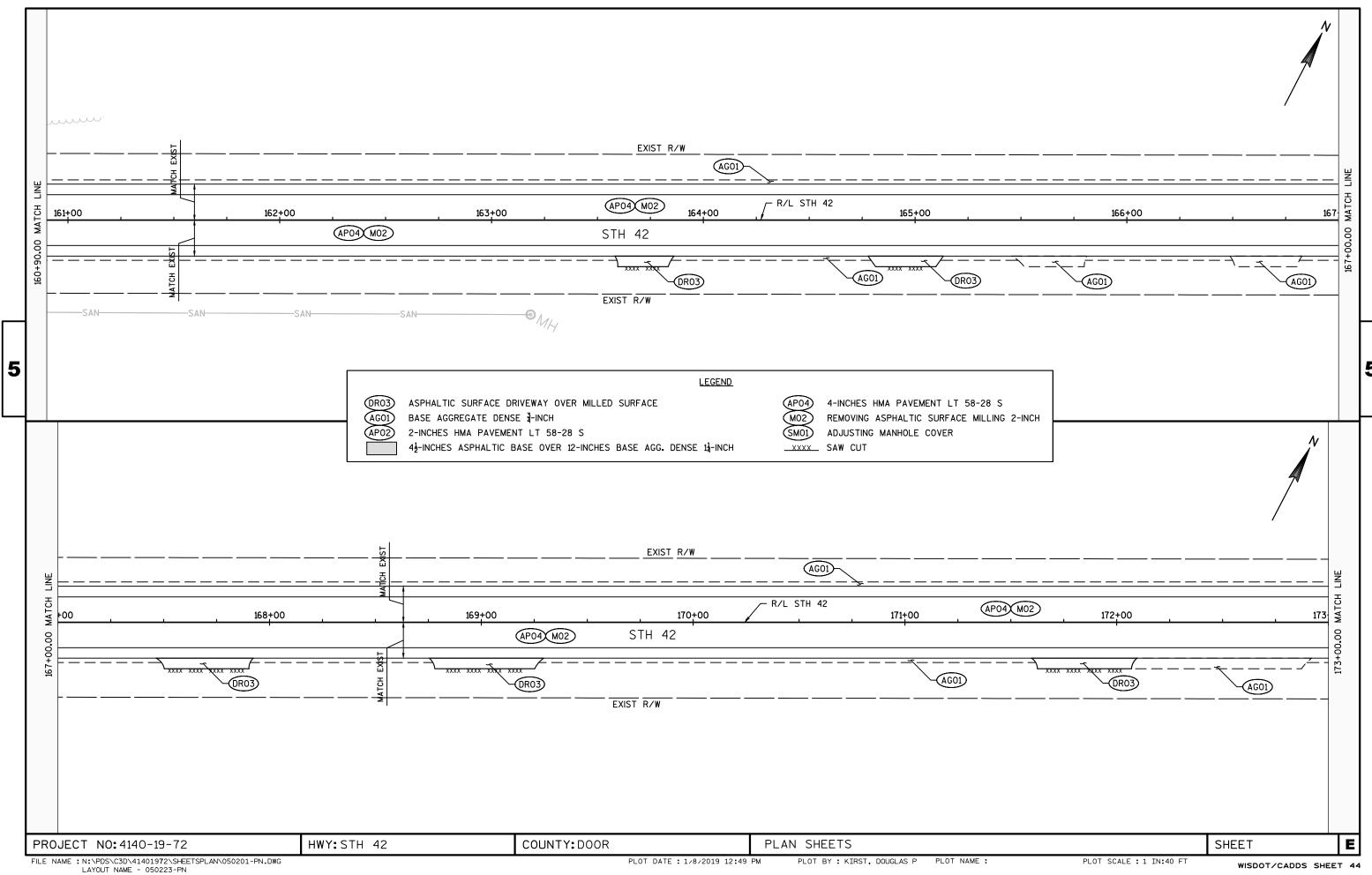
SIGNATURE JA. J. Schnall DATE 06/12/2017 GARY D. SCHNEIDER, P.L.S. S-1297 THIS PLAT AND RELOCATION ORDER ARE

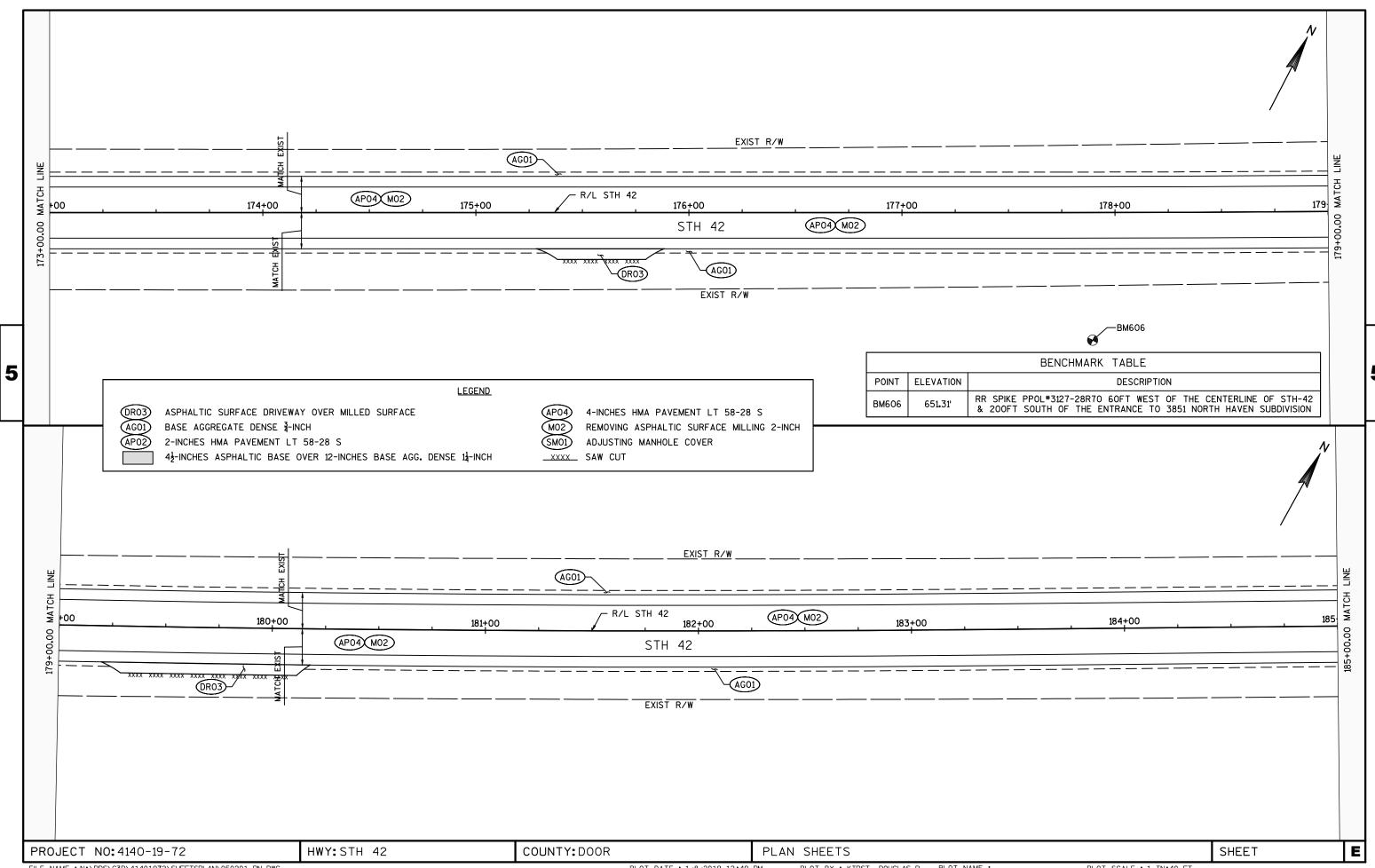
APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NORTHEAST REGION. SIGNATURE _____ ____DATE 6/16/2017 PRINT CURT VAN EREM

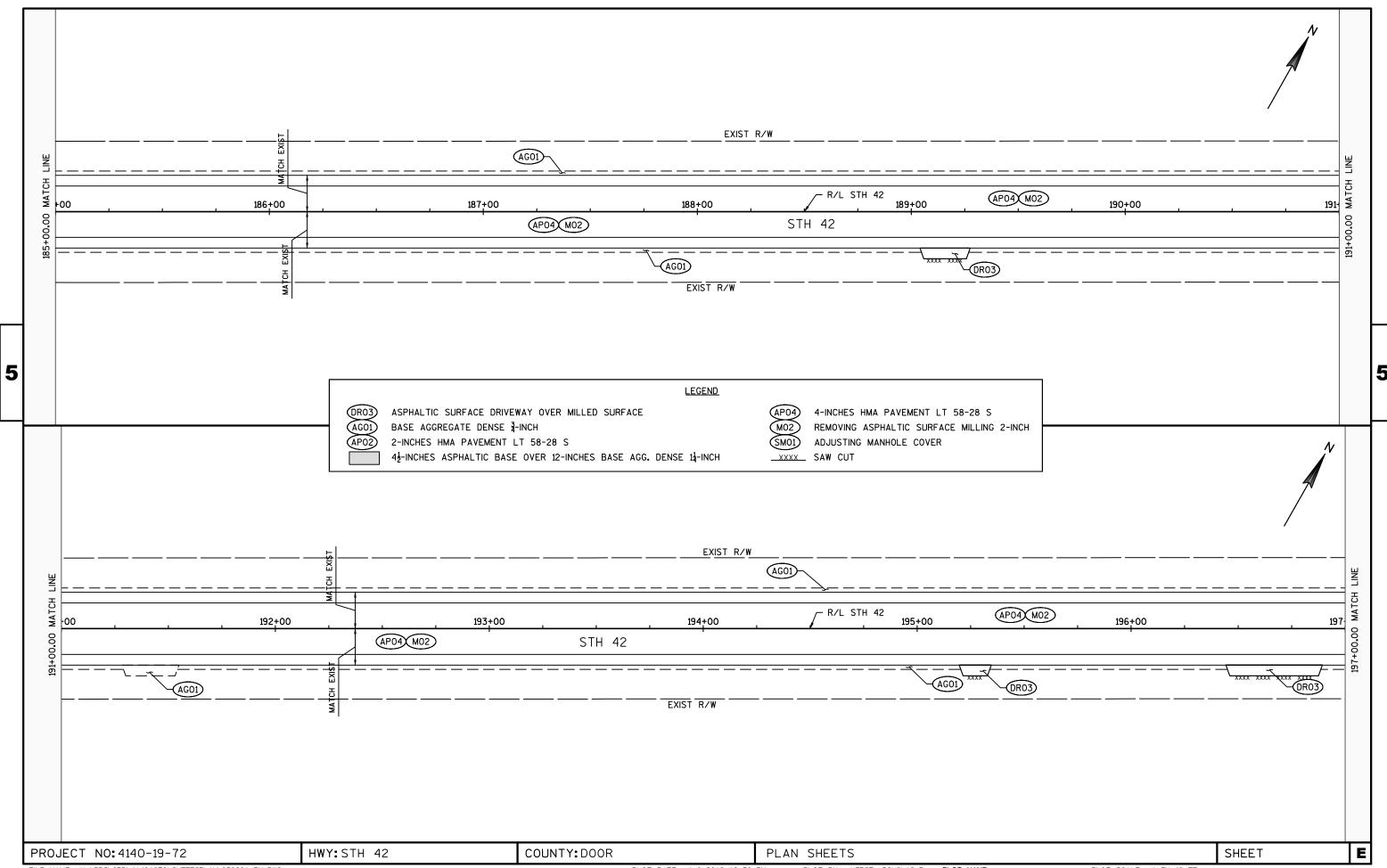
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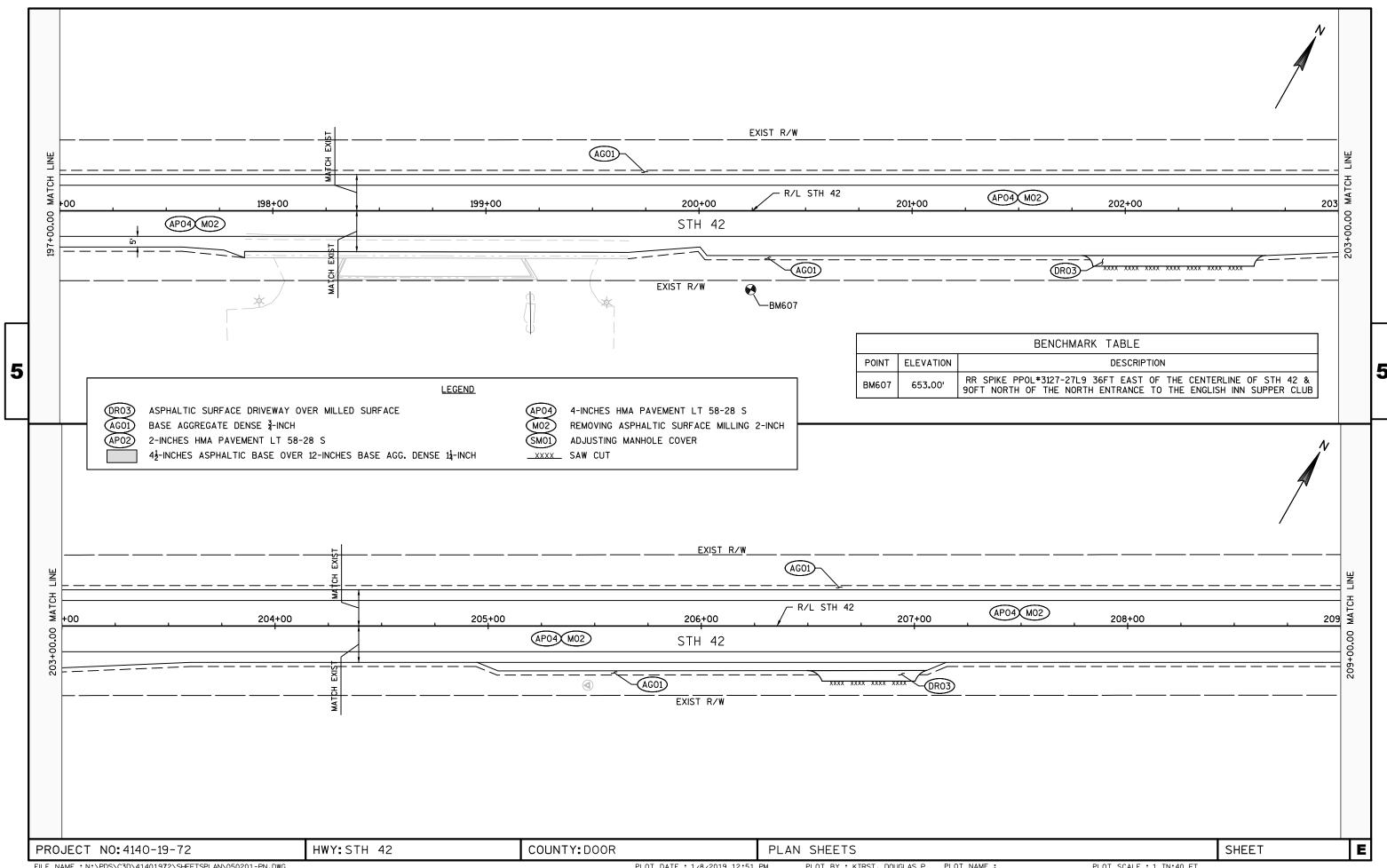
PLOT BY : RAISA KHAYTINA

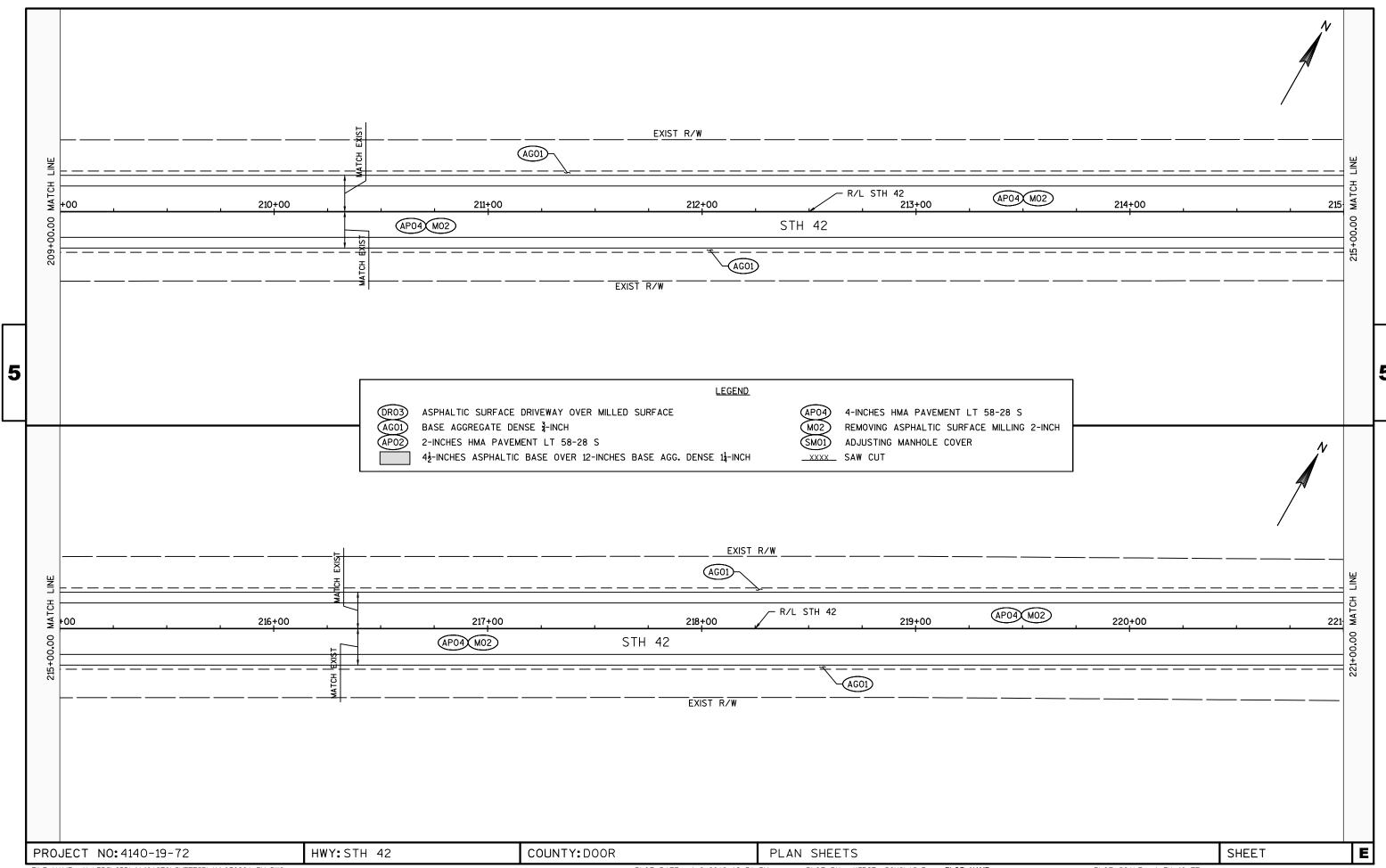


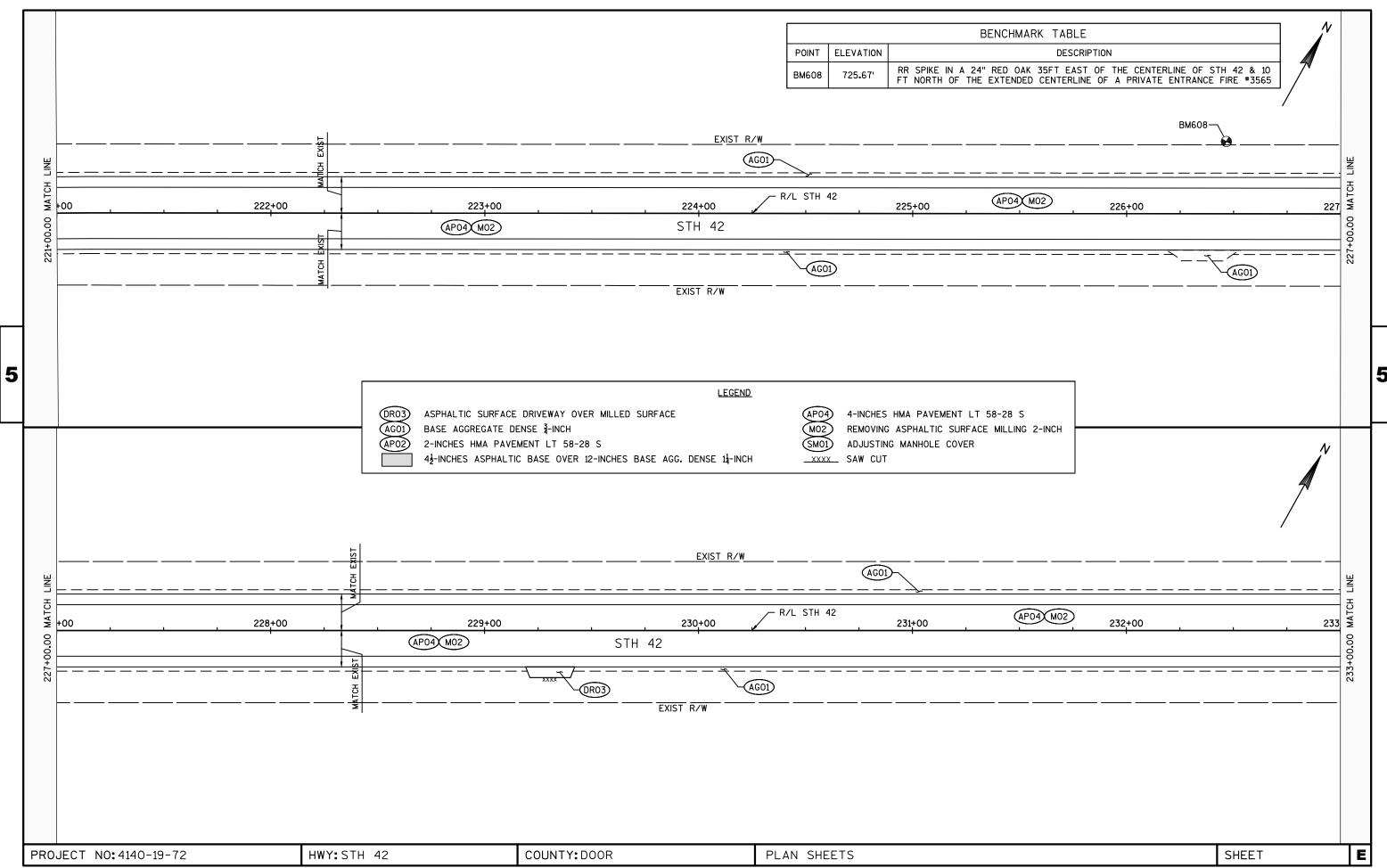


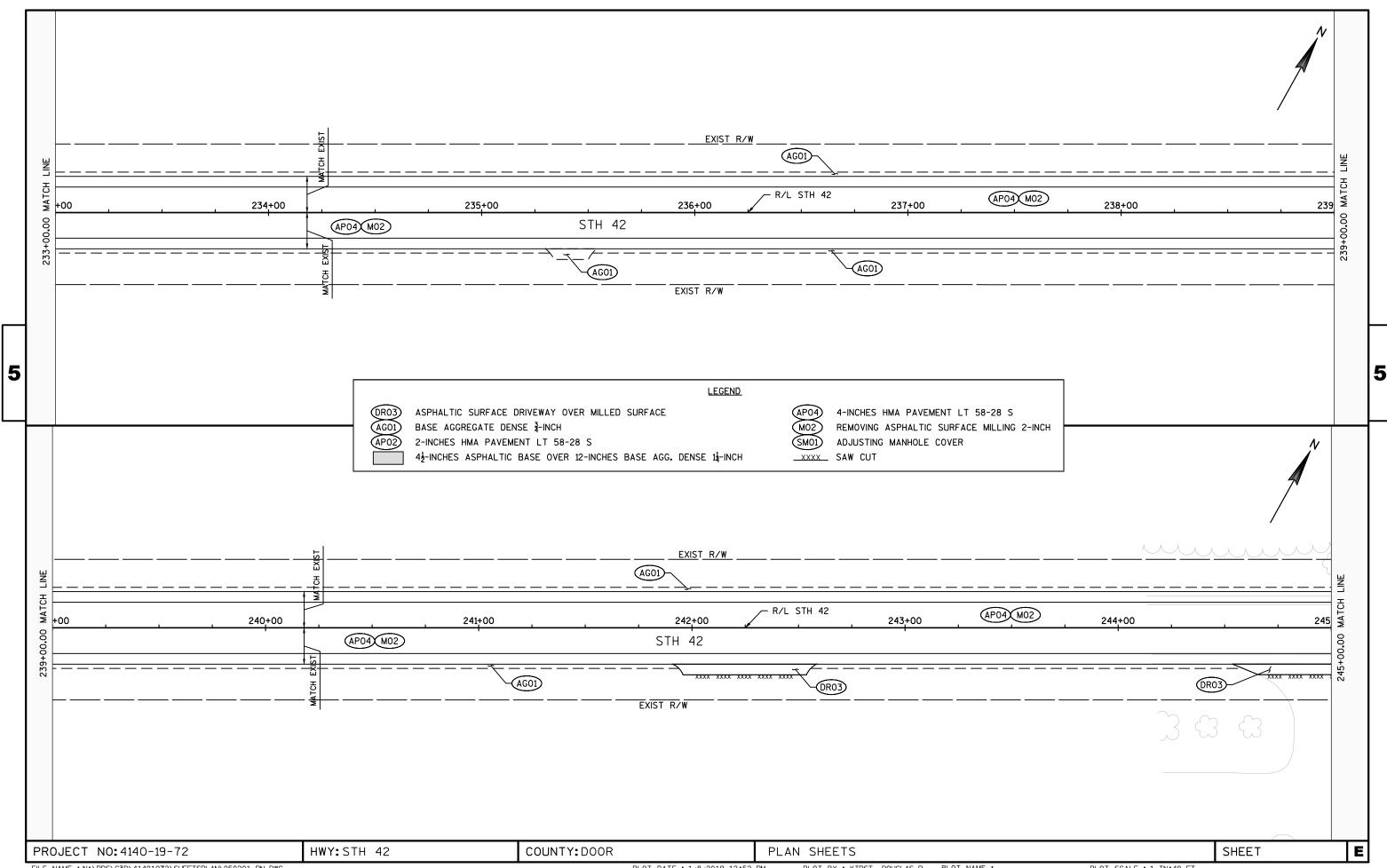


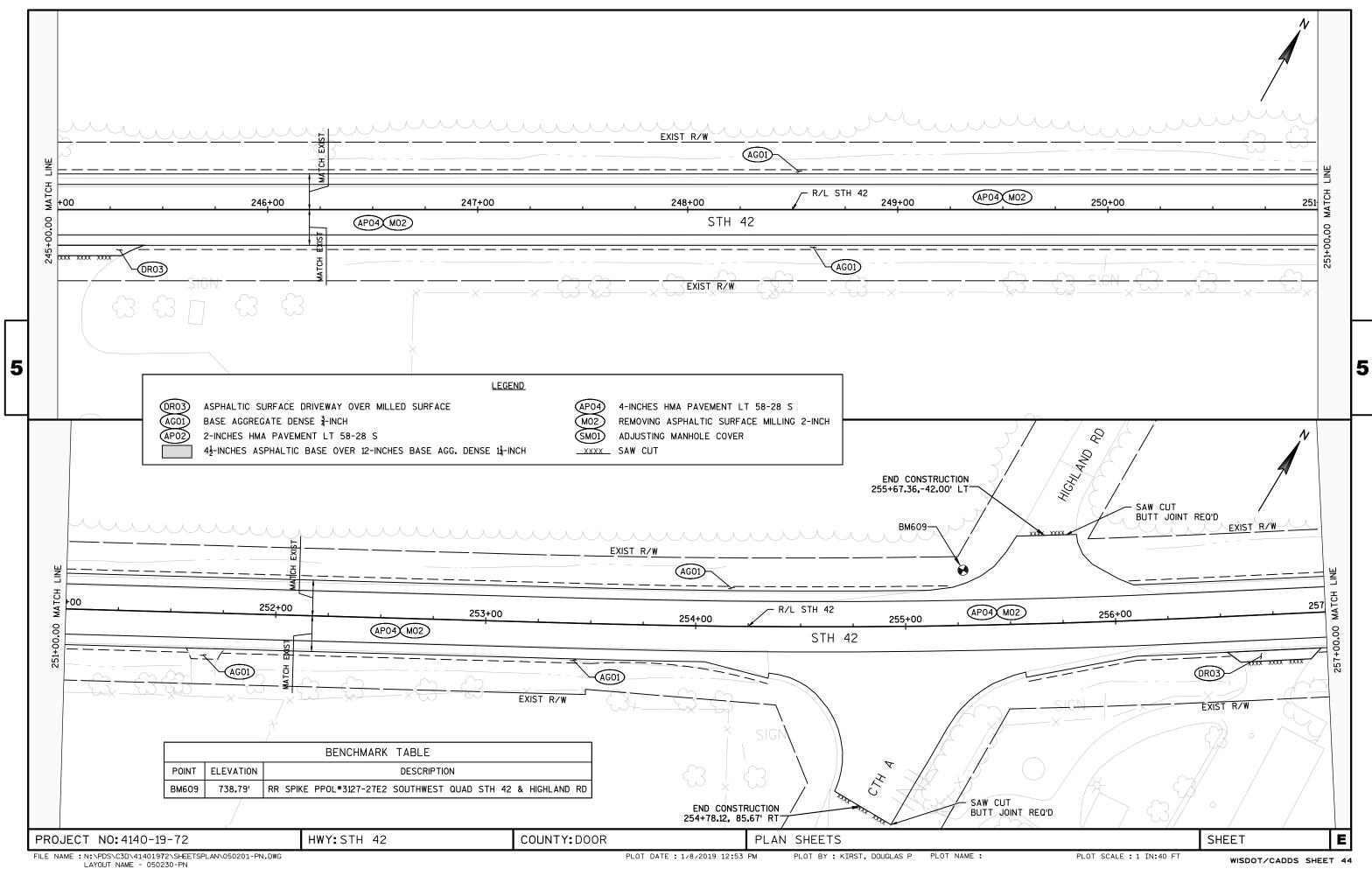


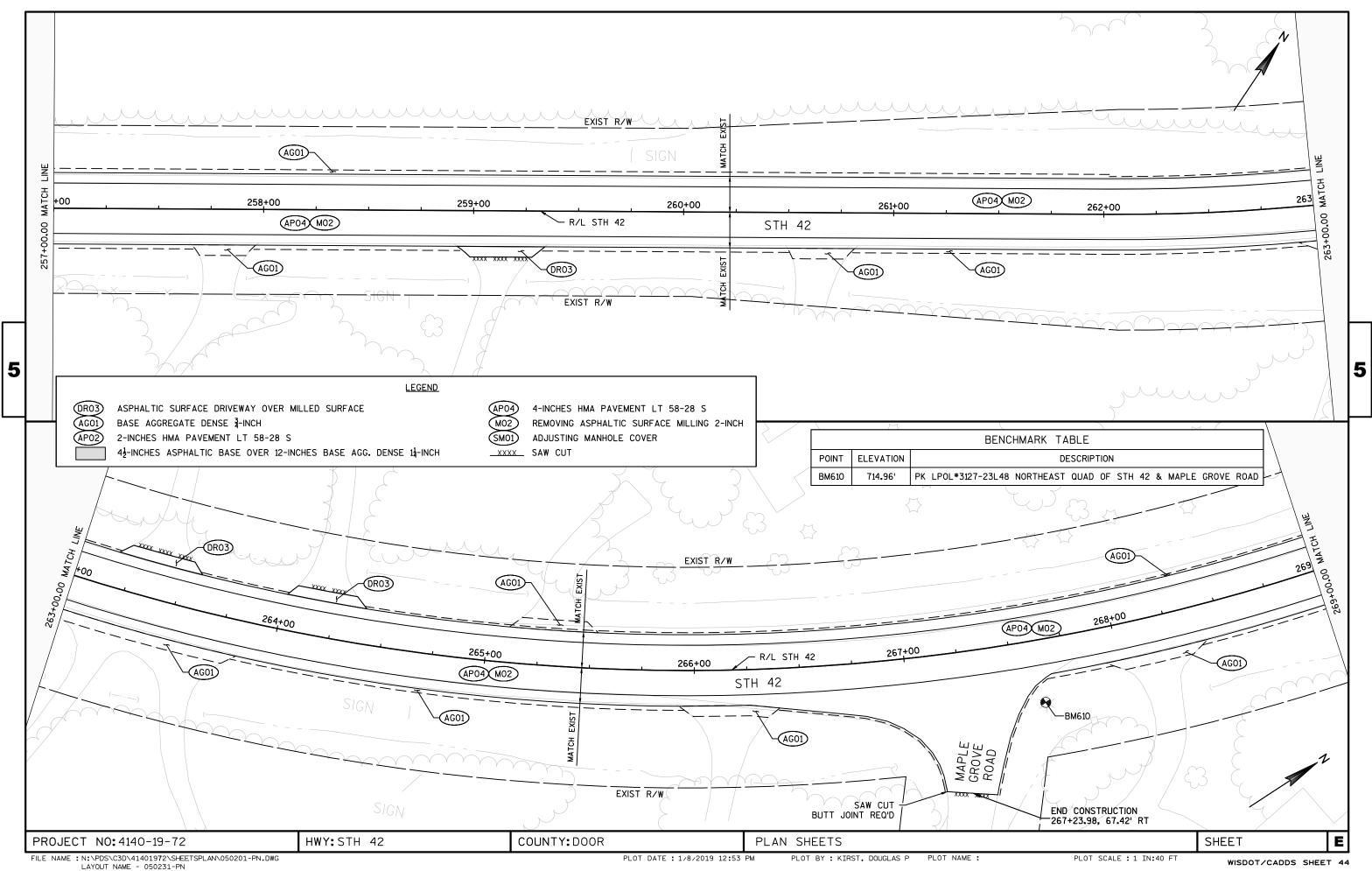


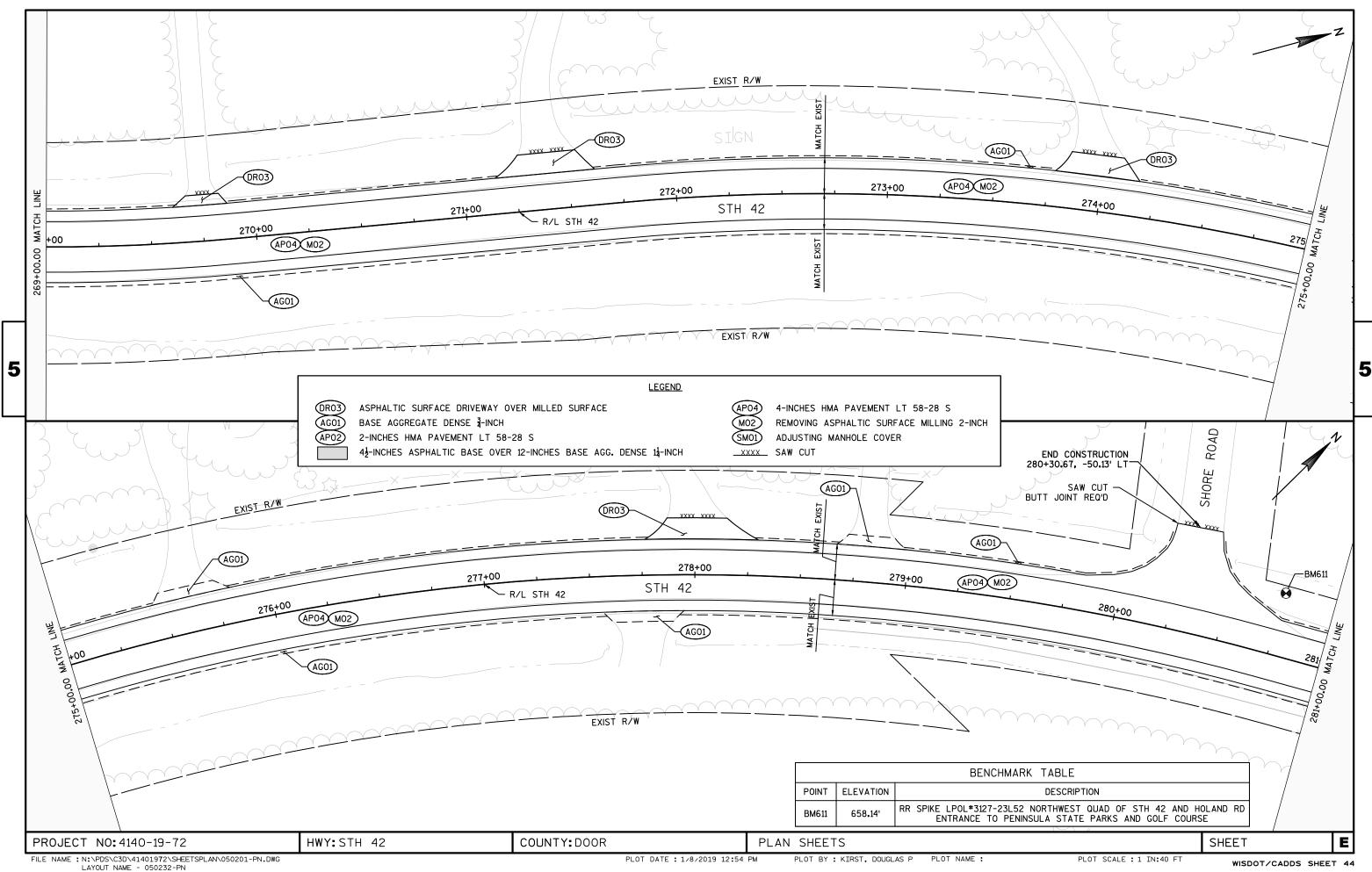


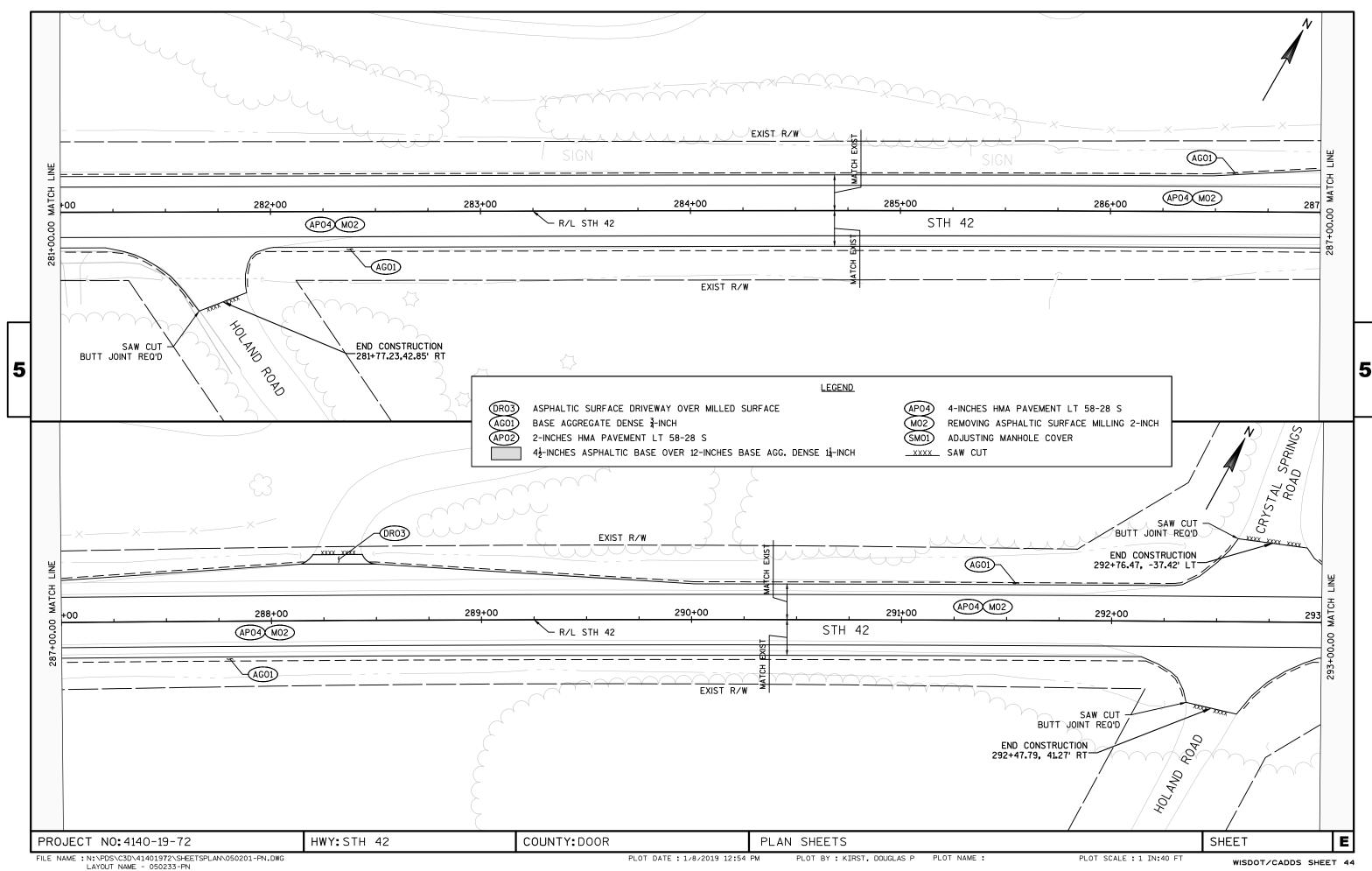


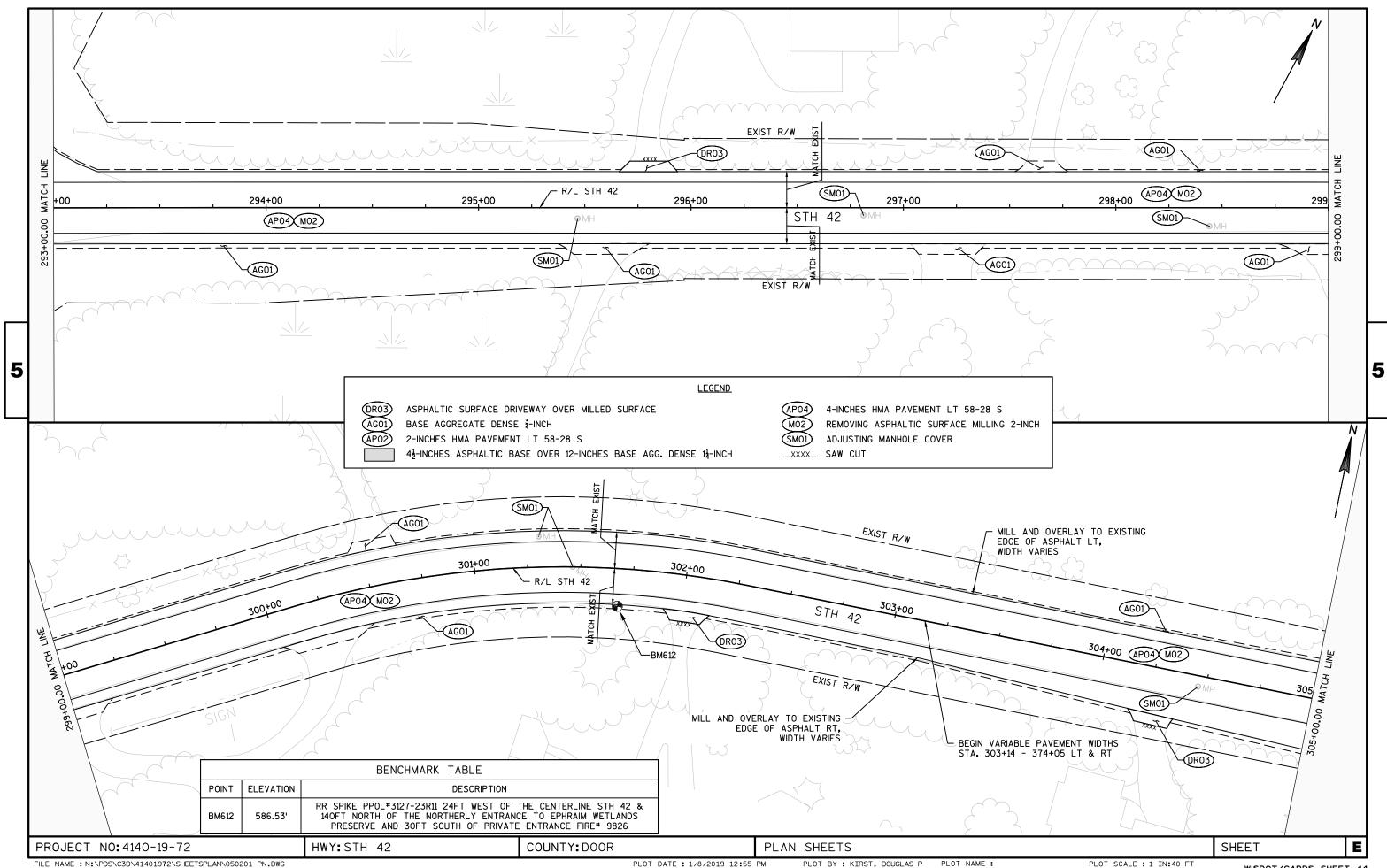


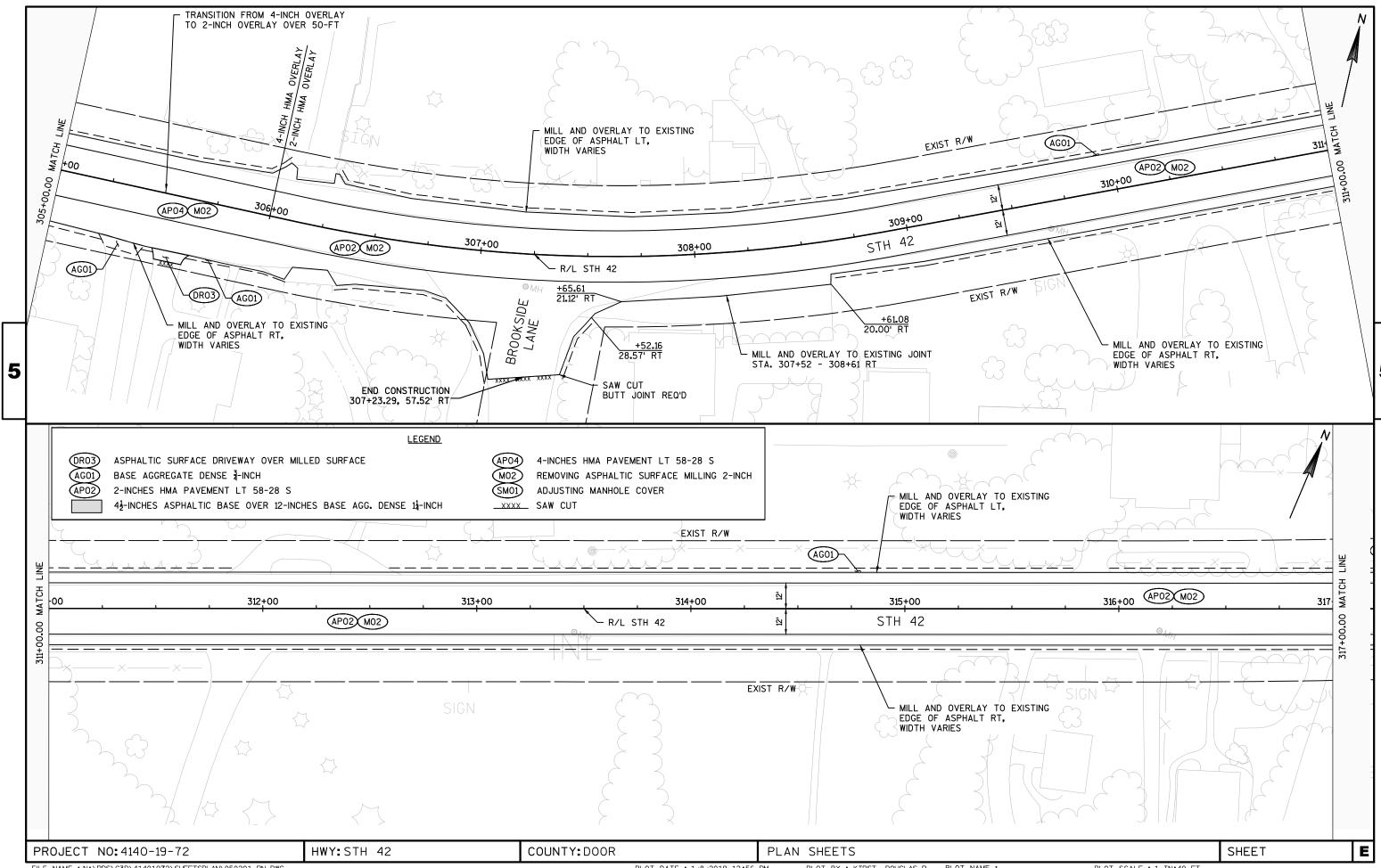


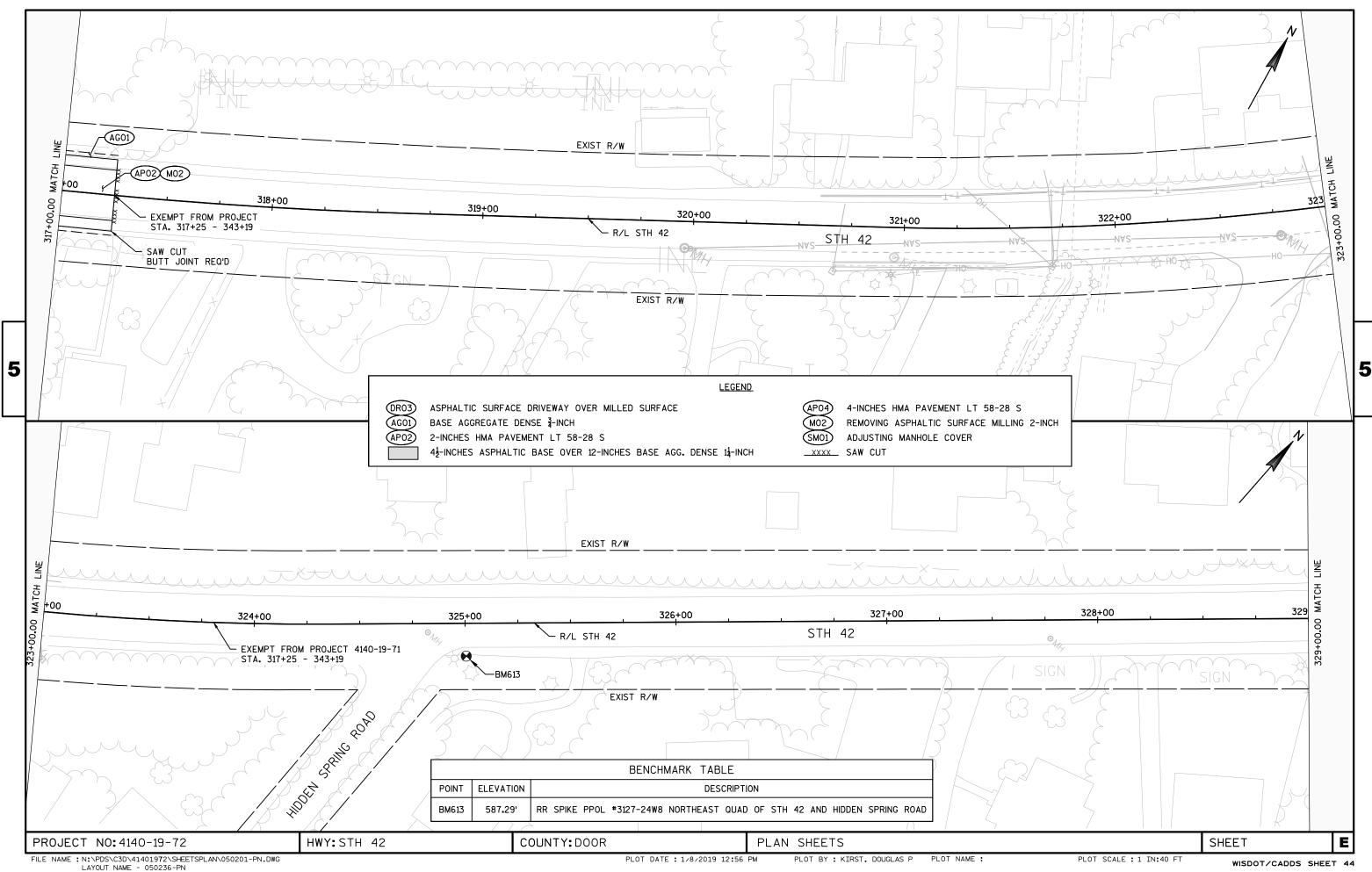


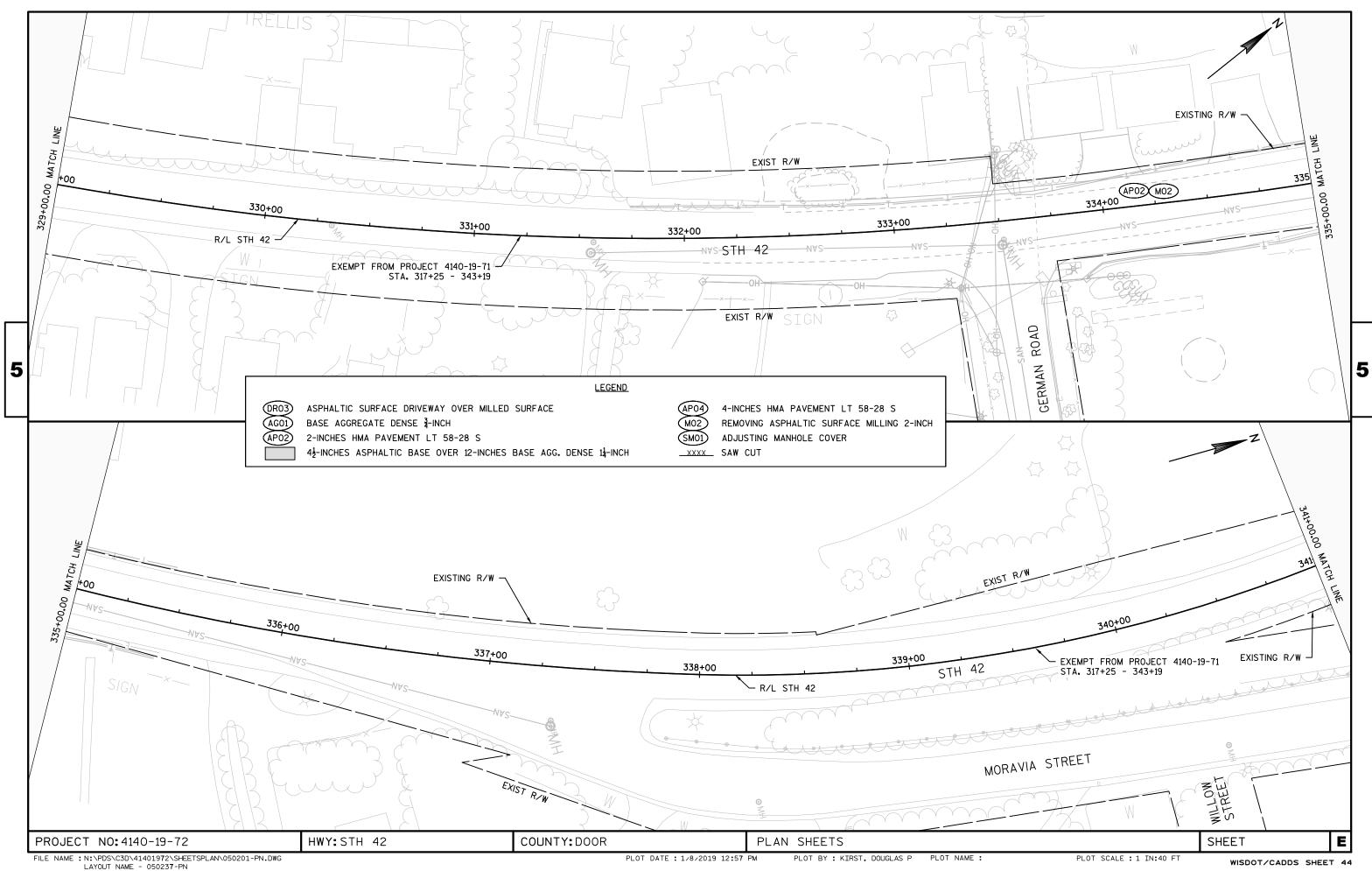


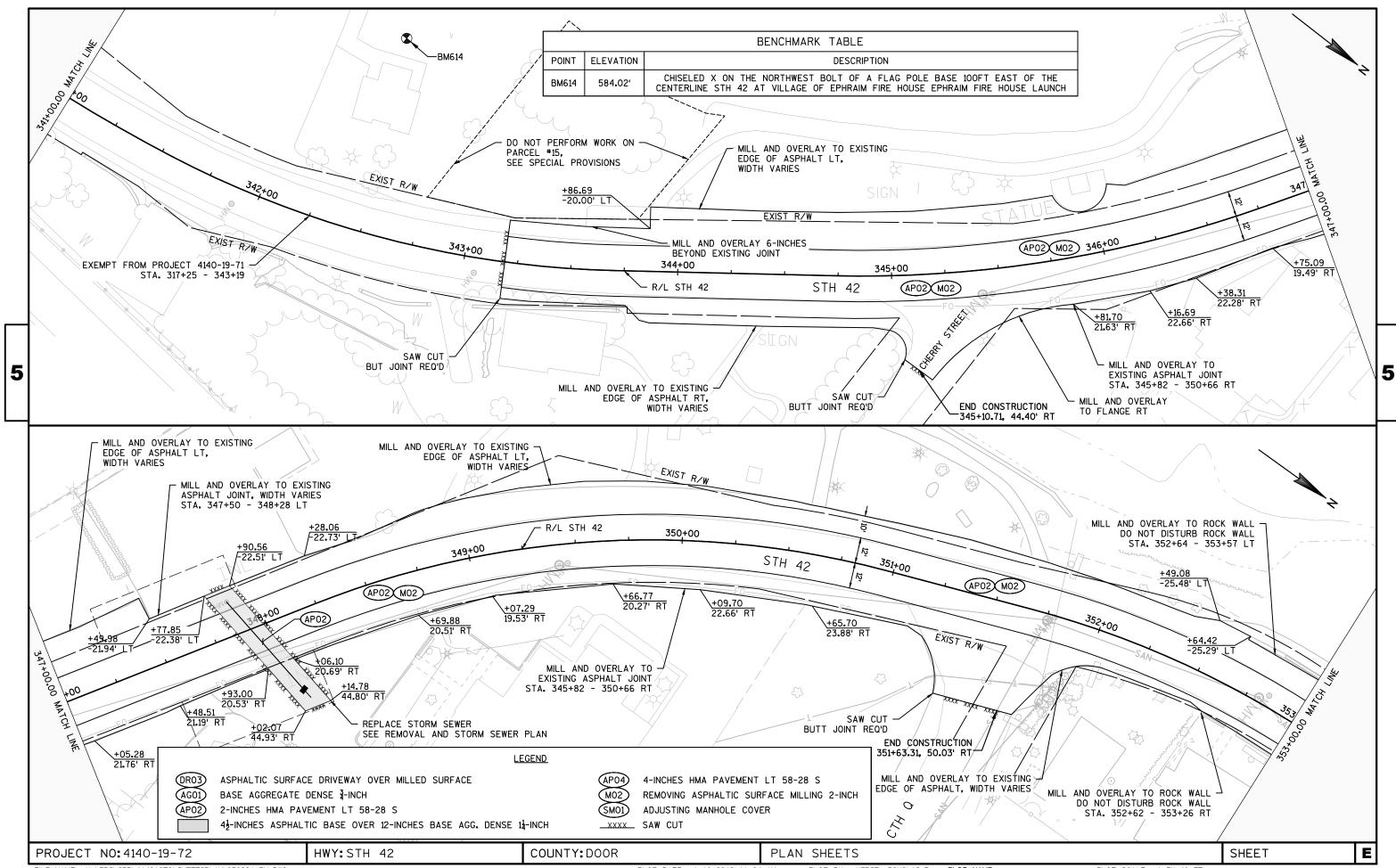


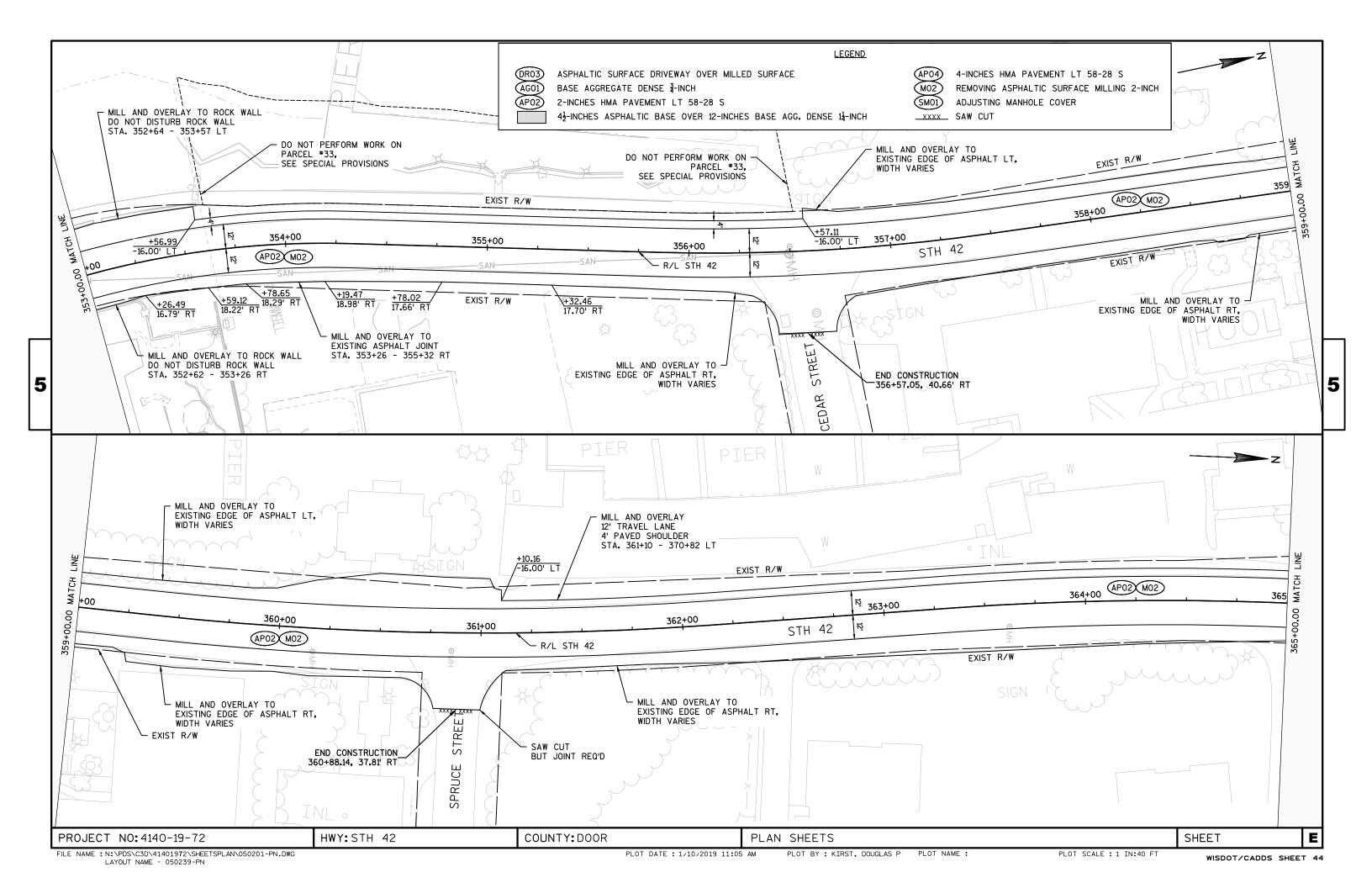


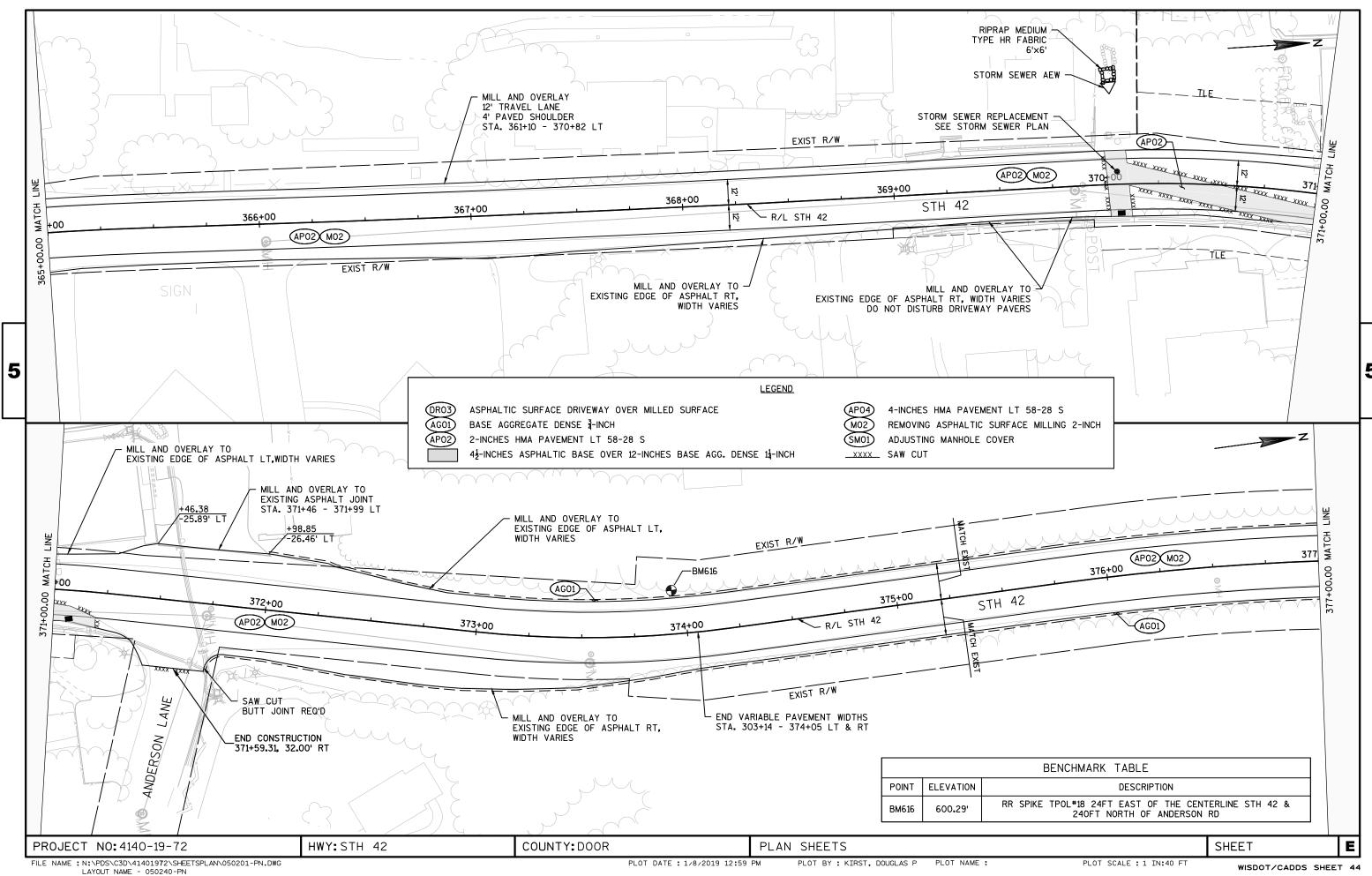


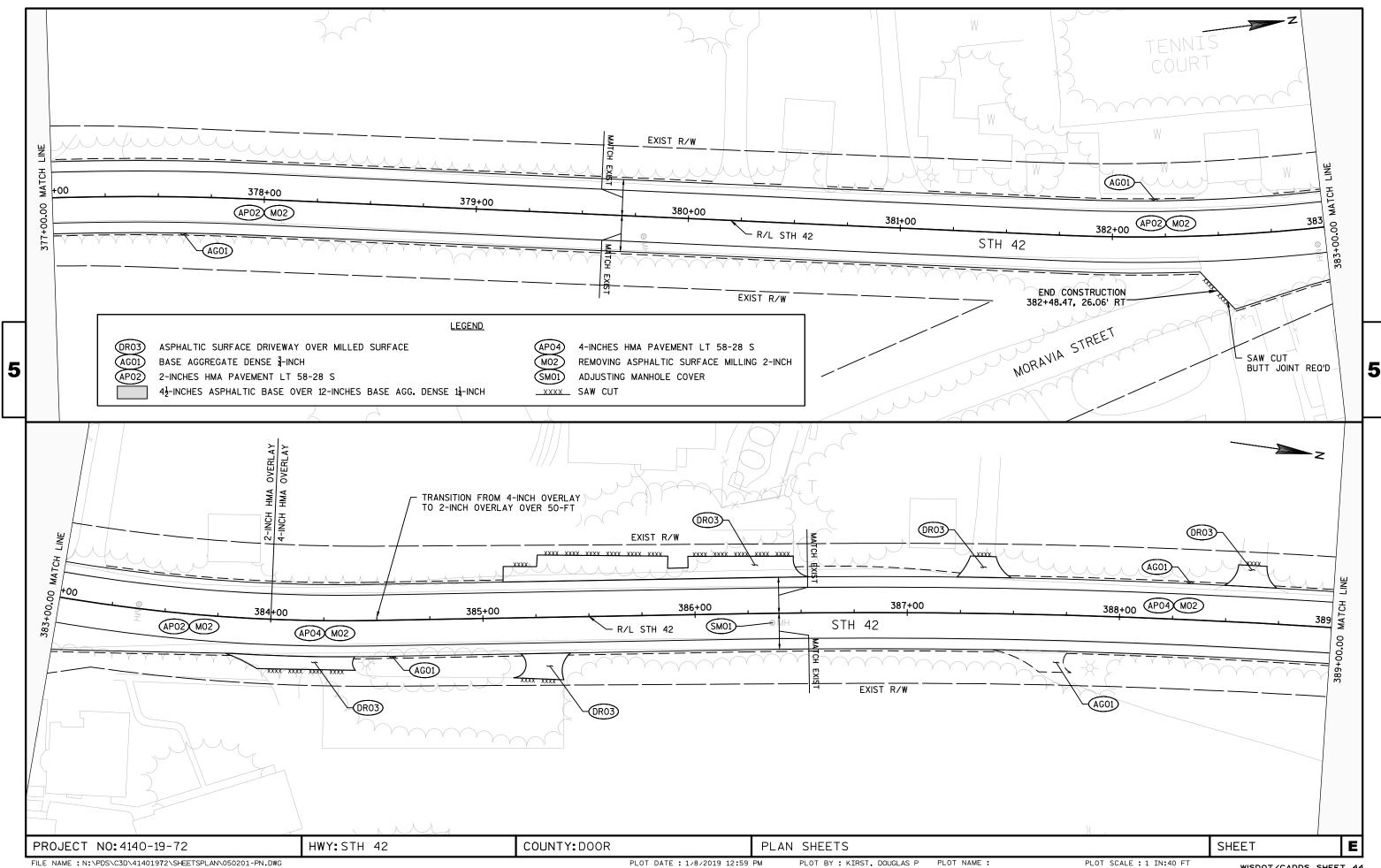


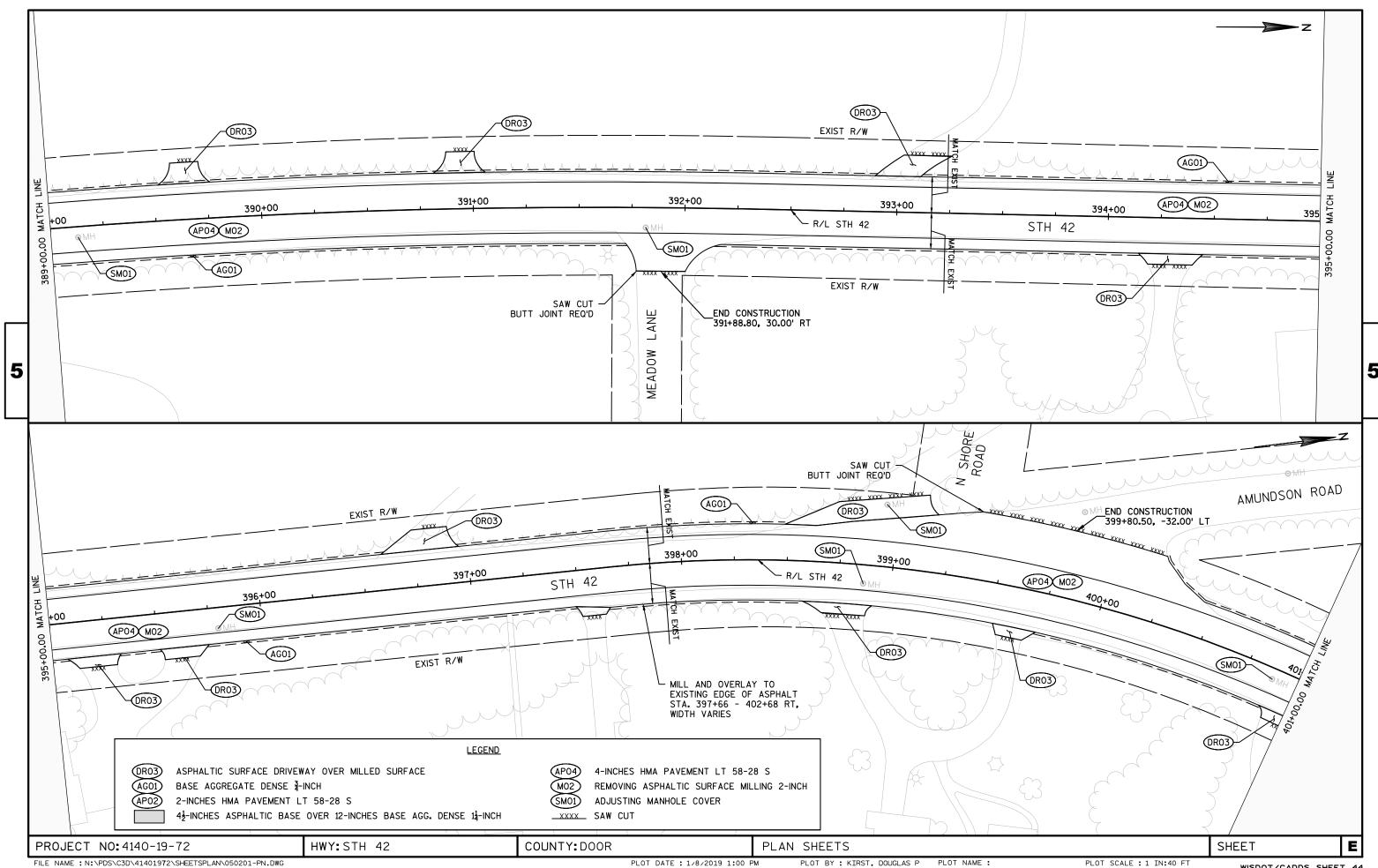


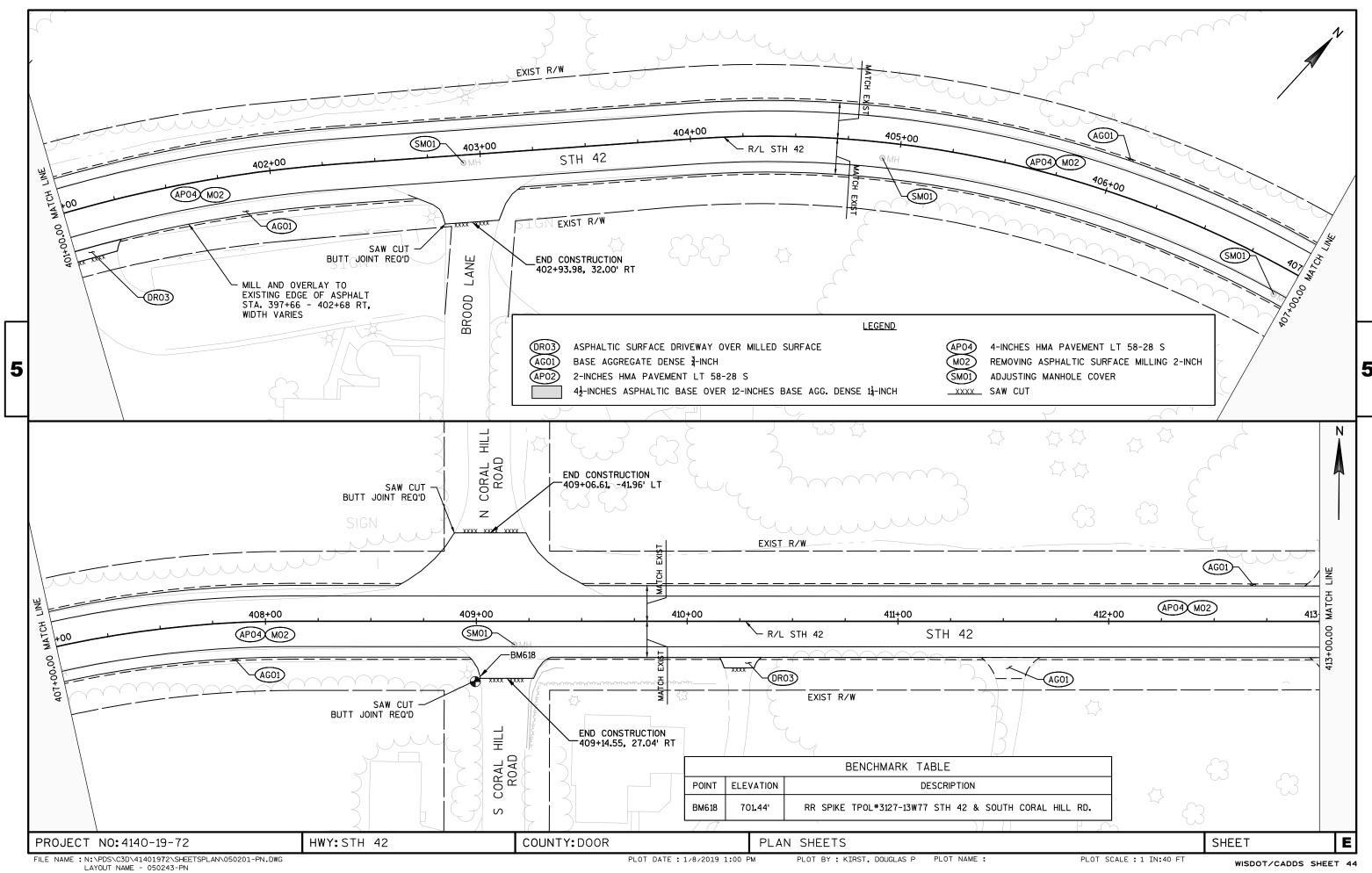


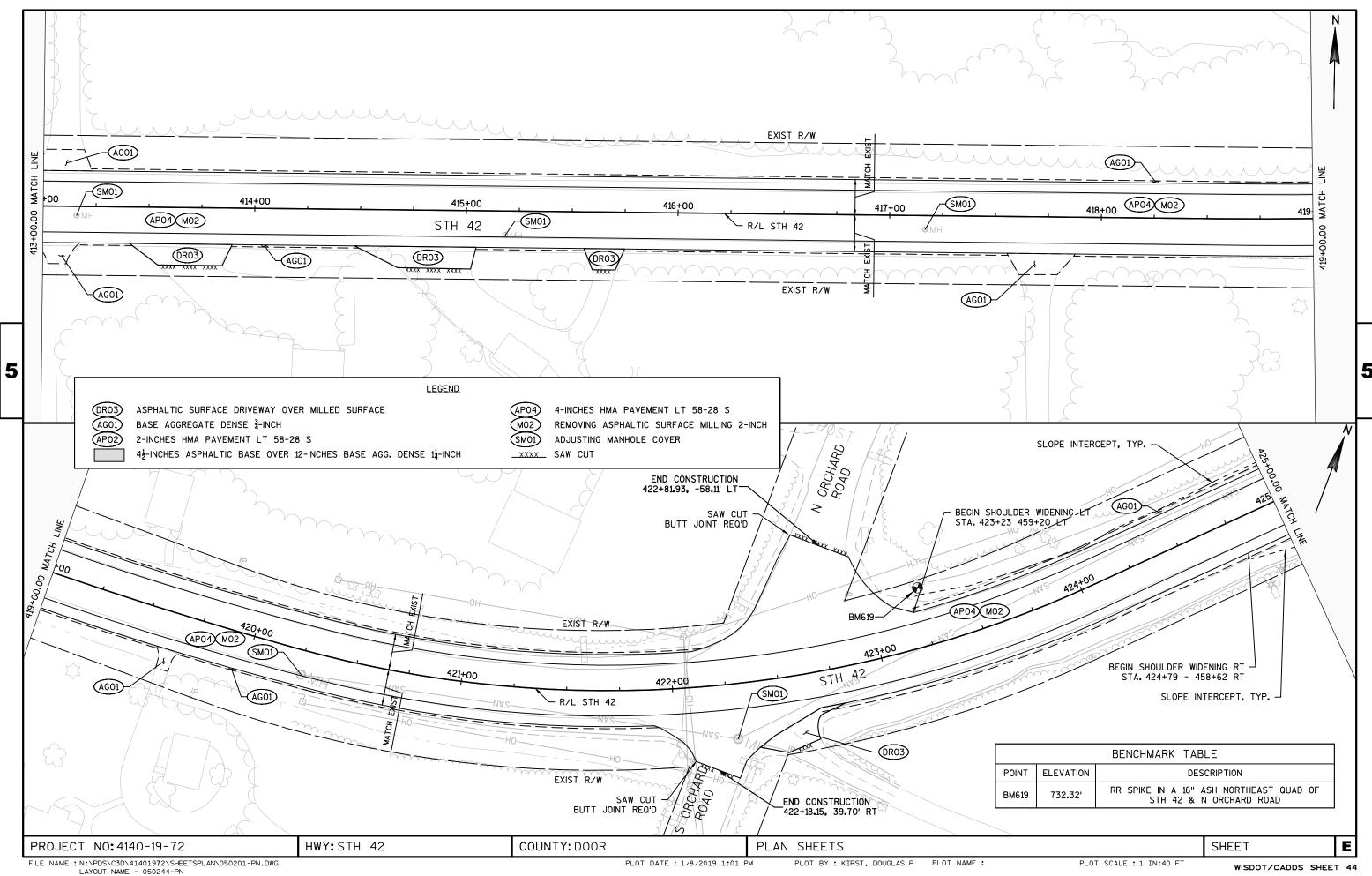


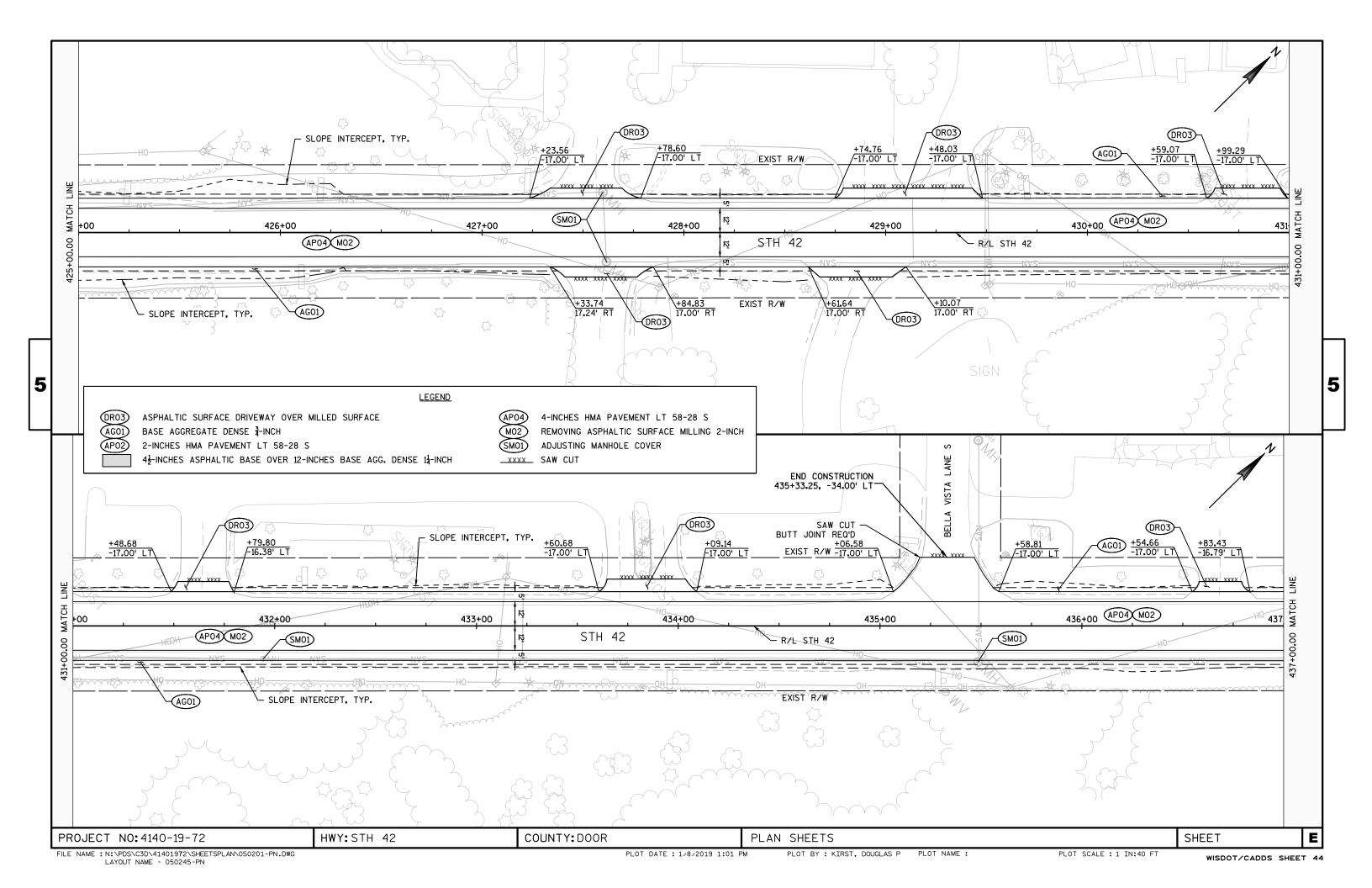


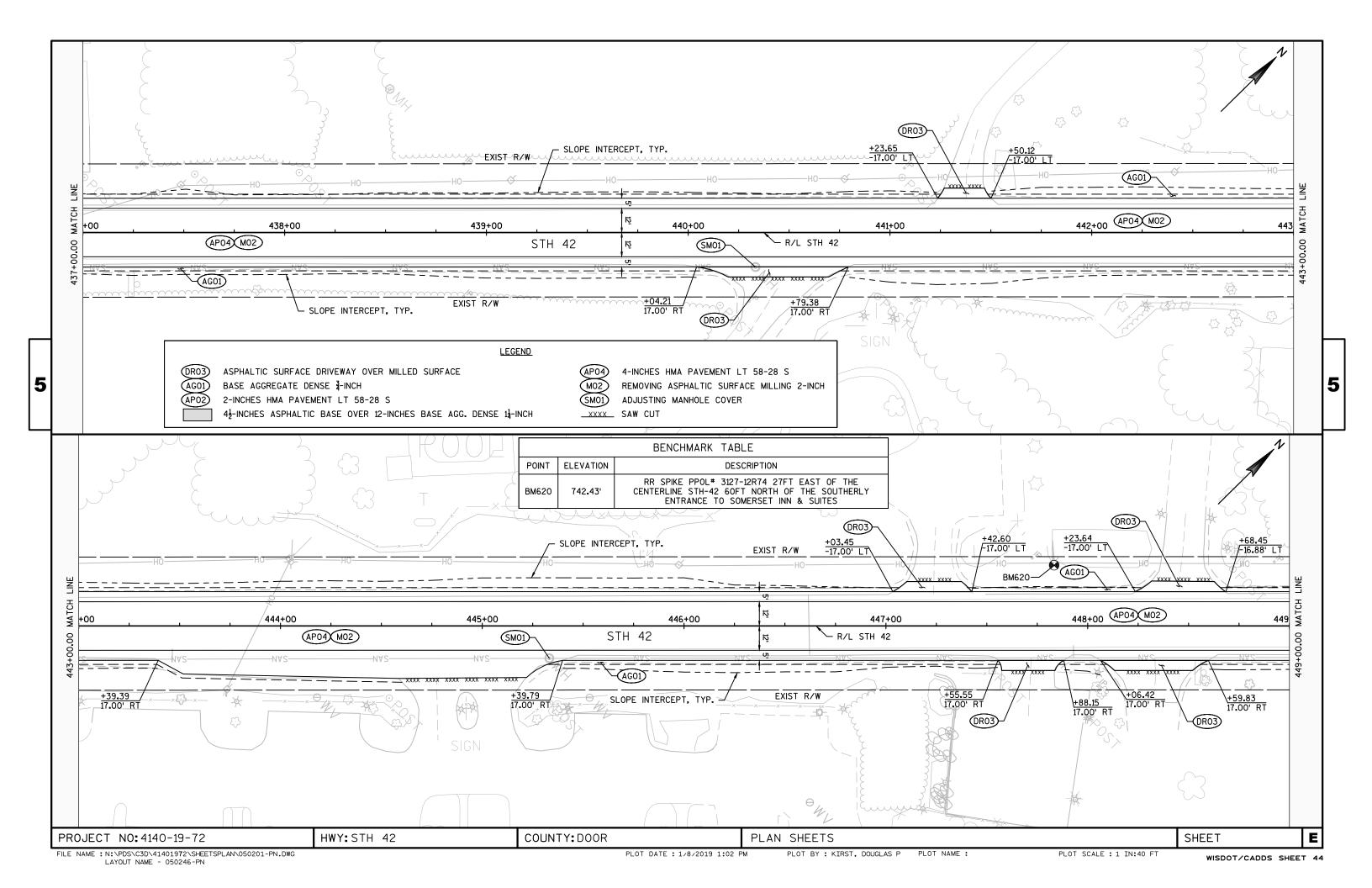


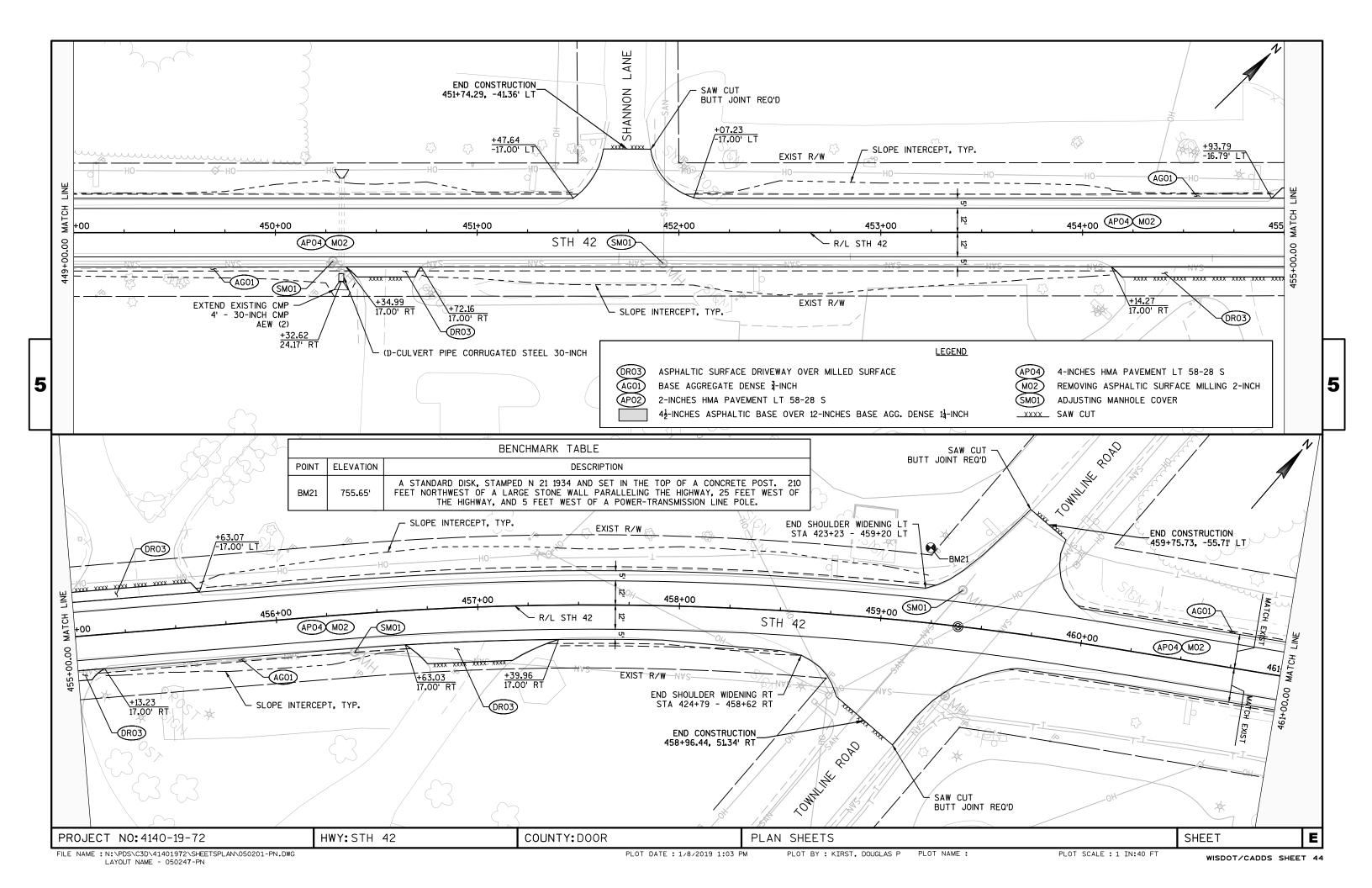


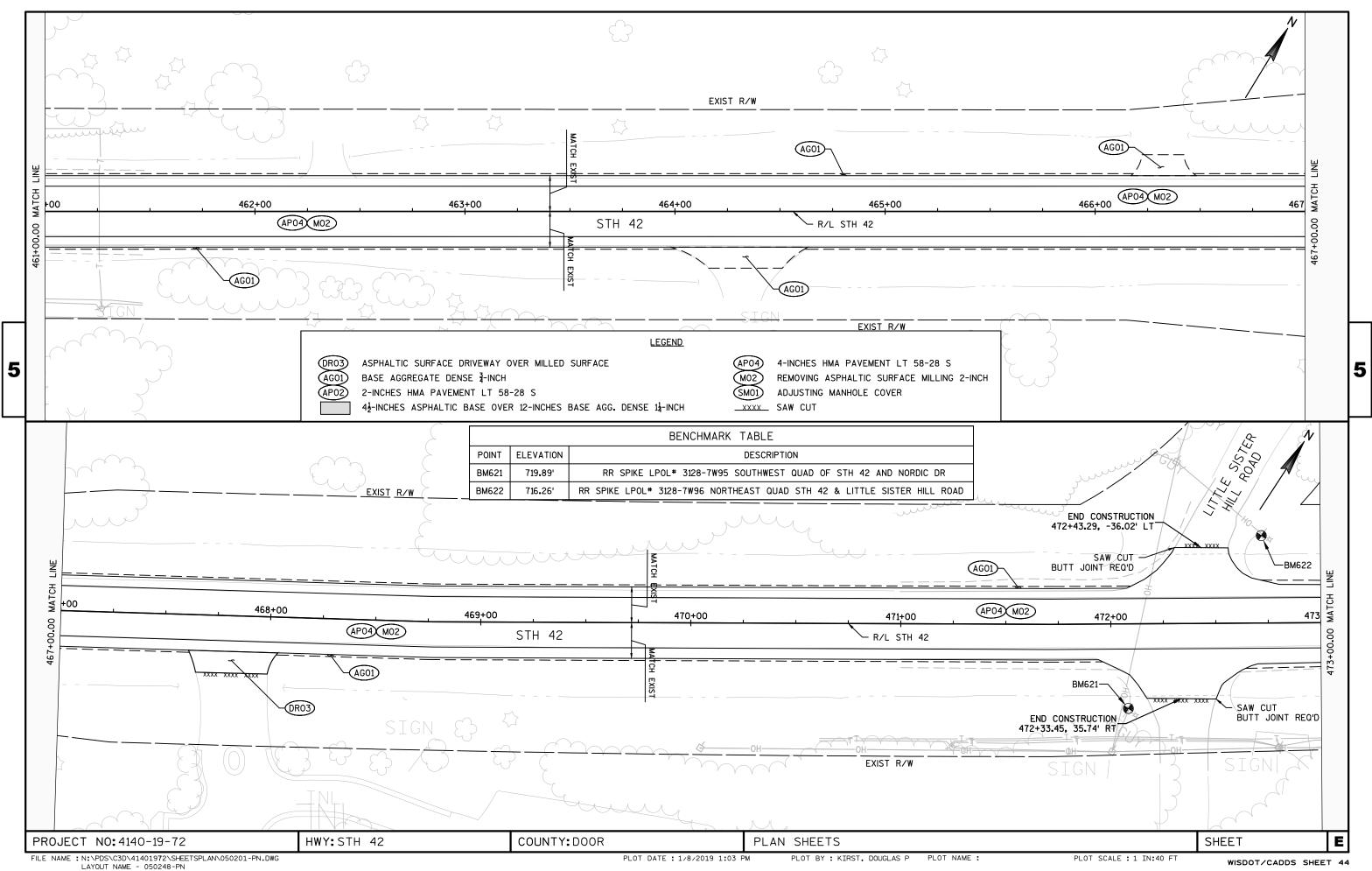


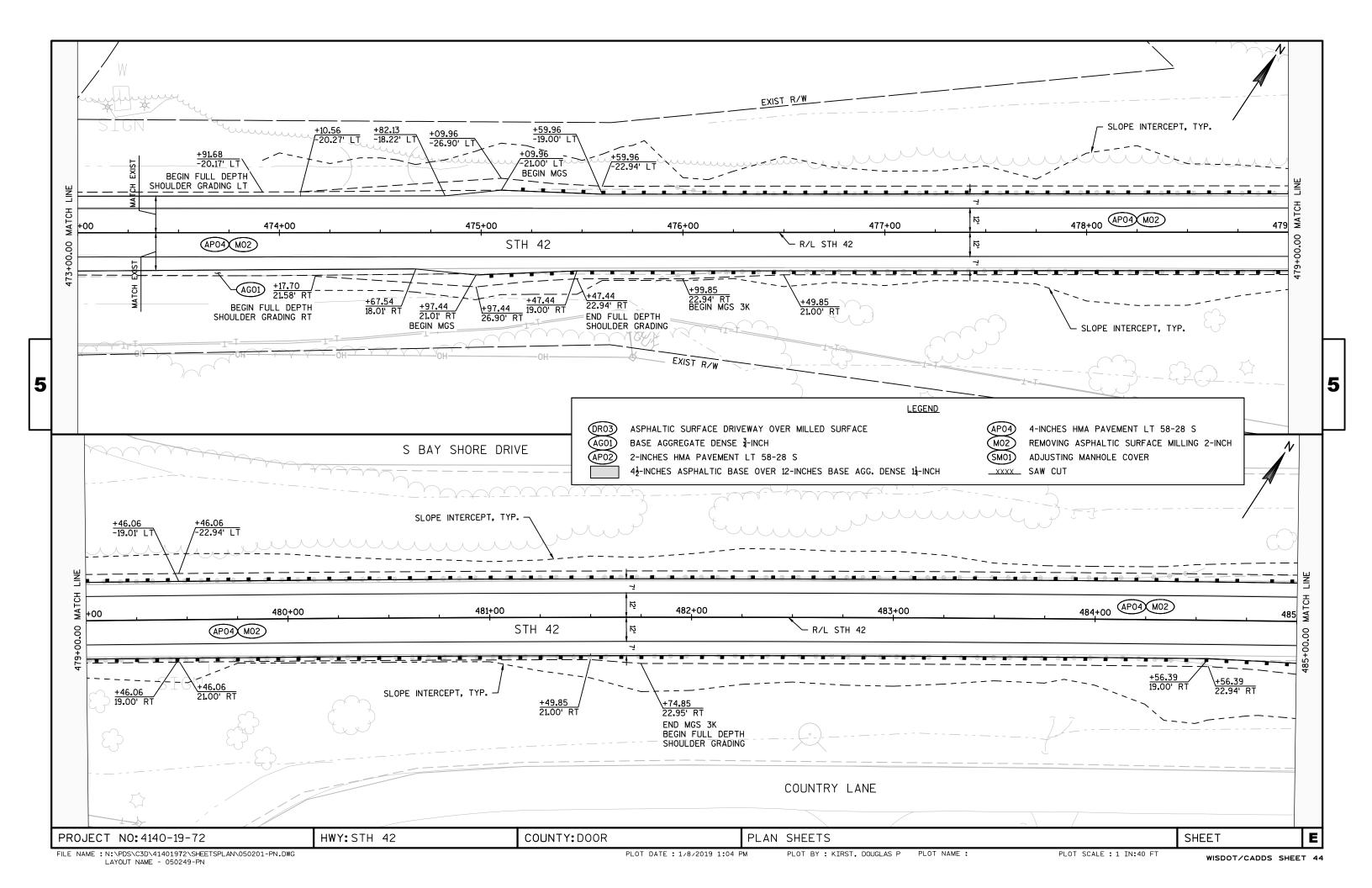


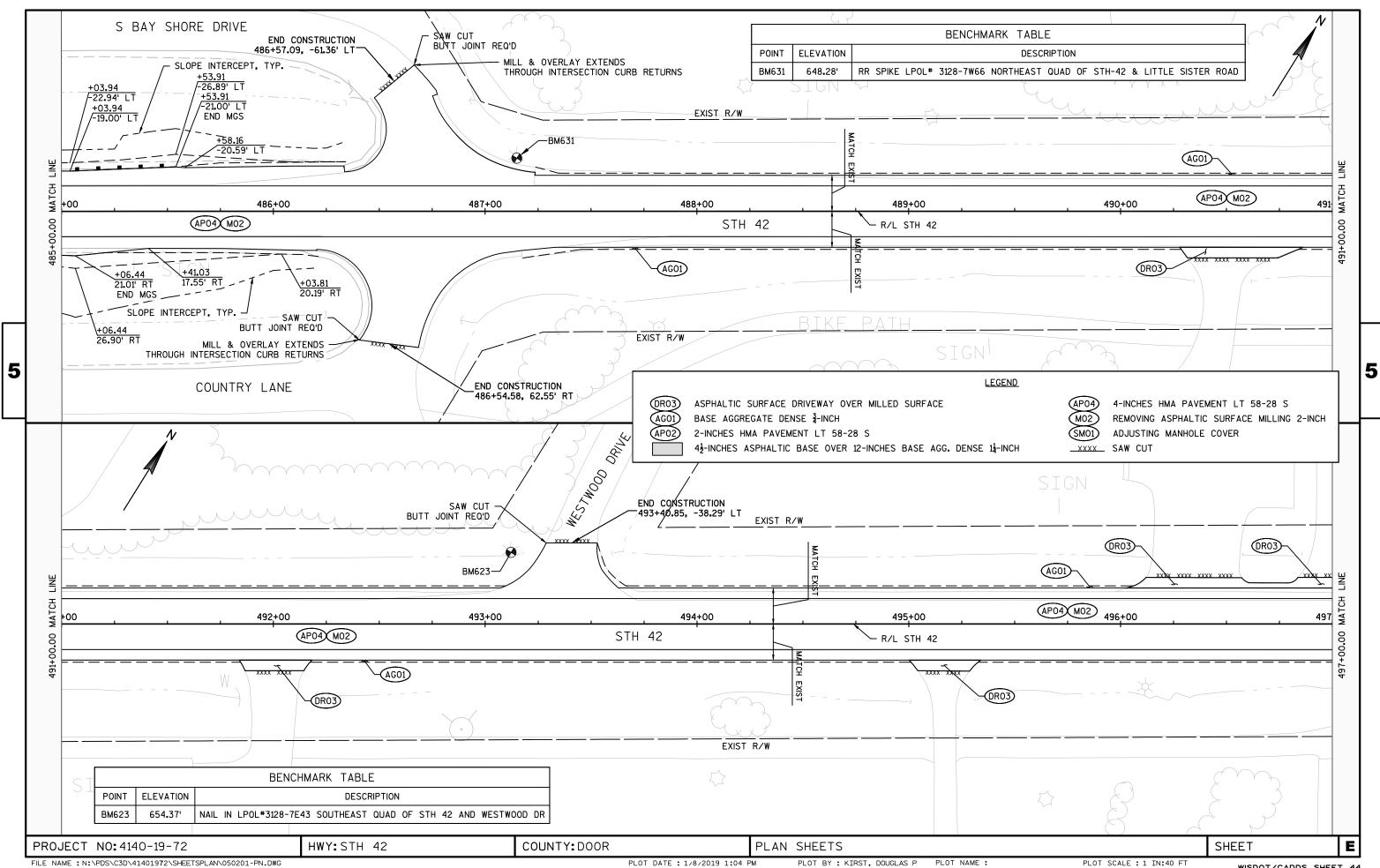


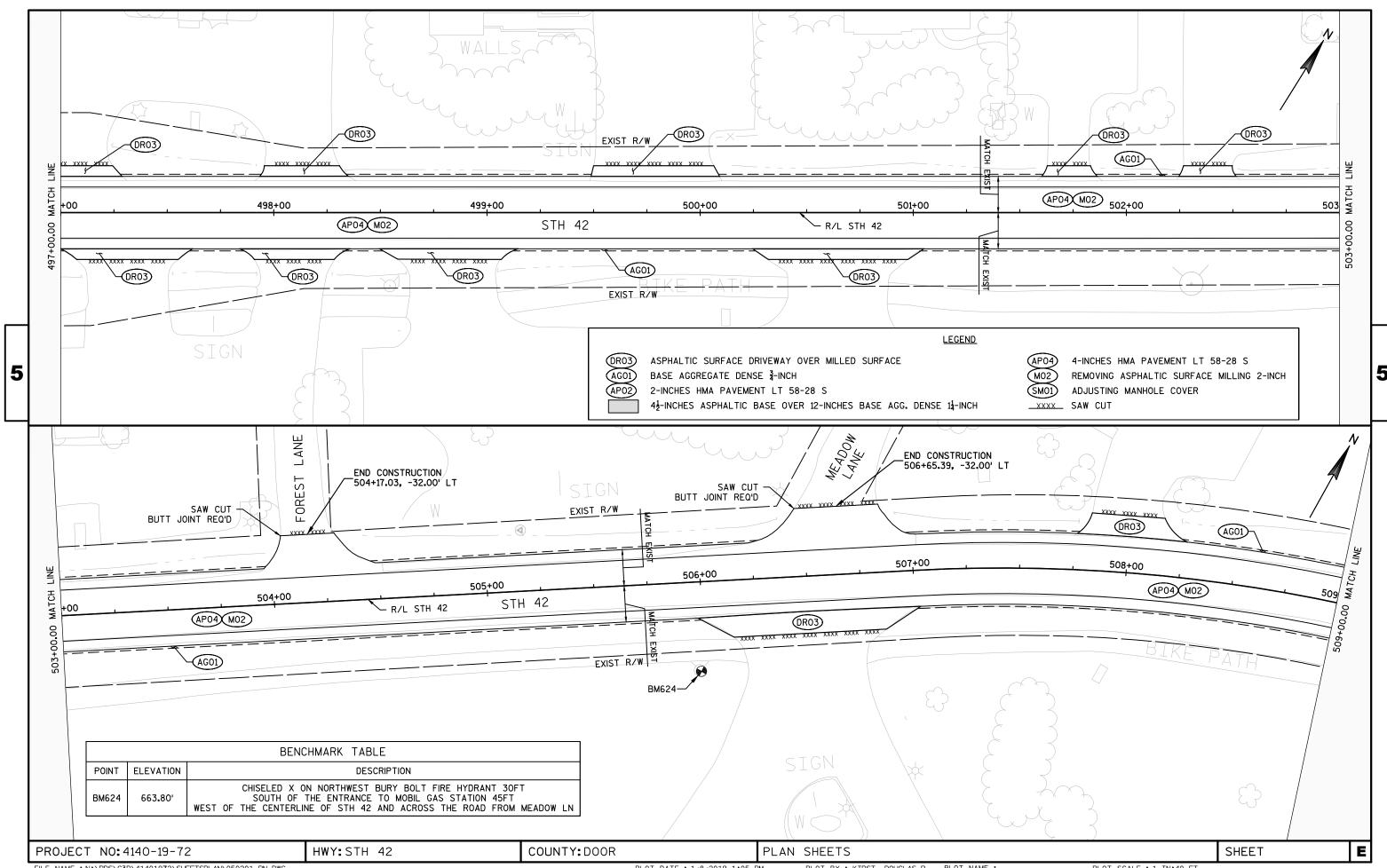


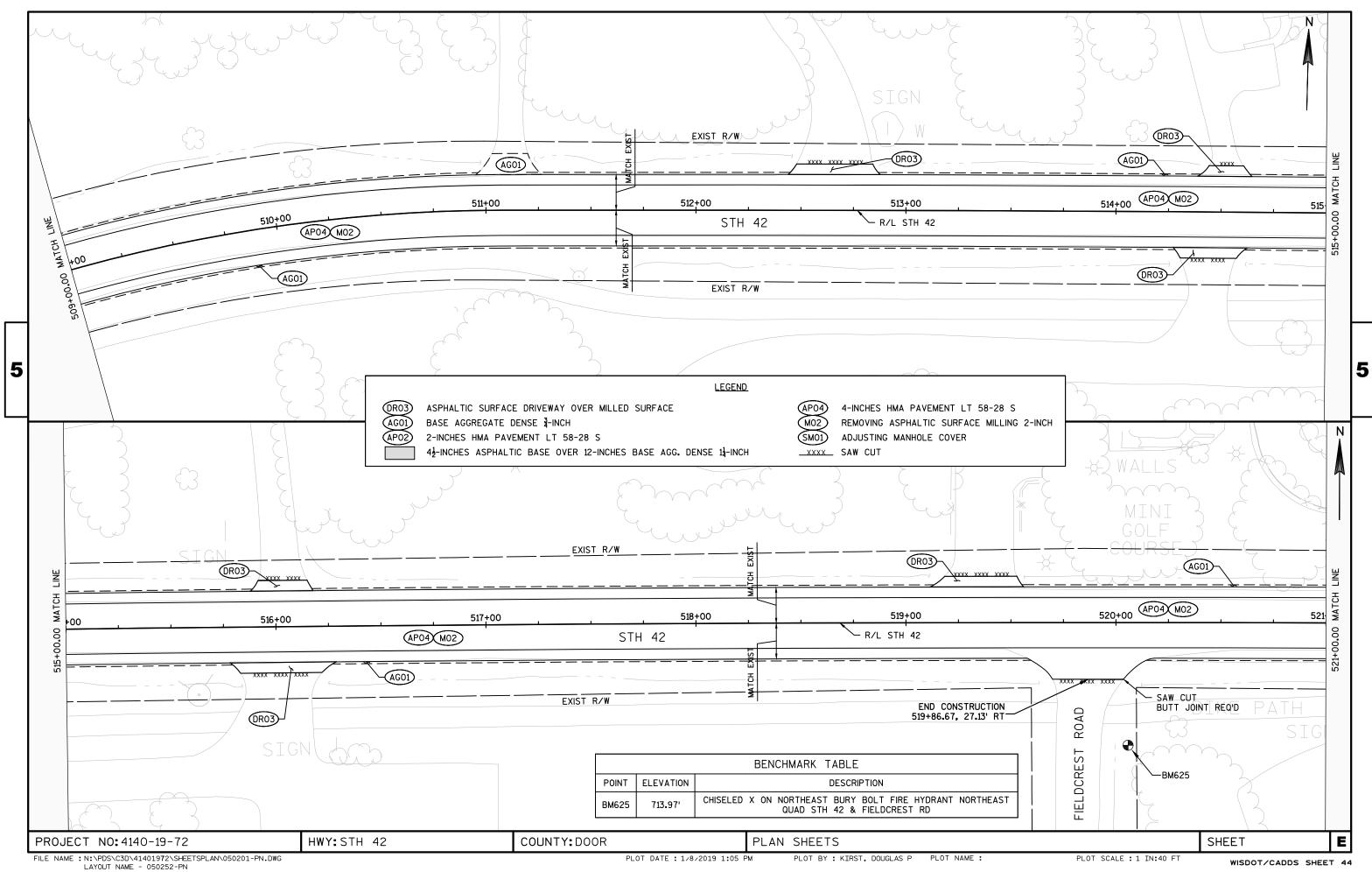


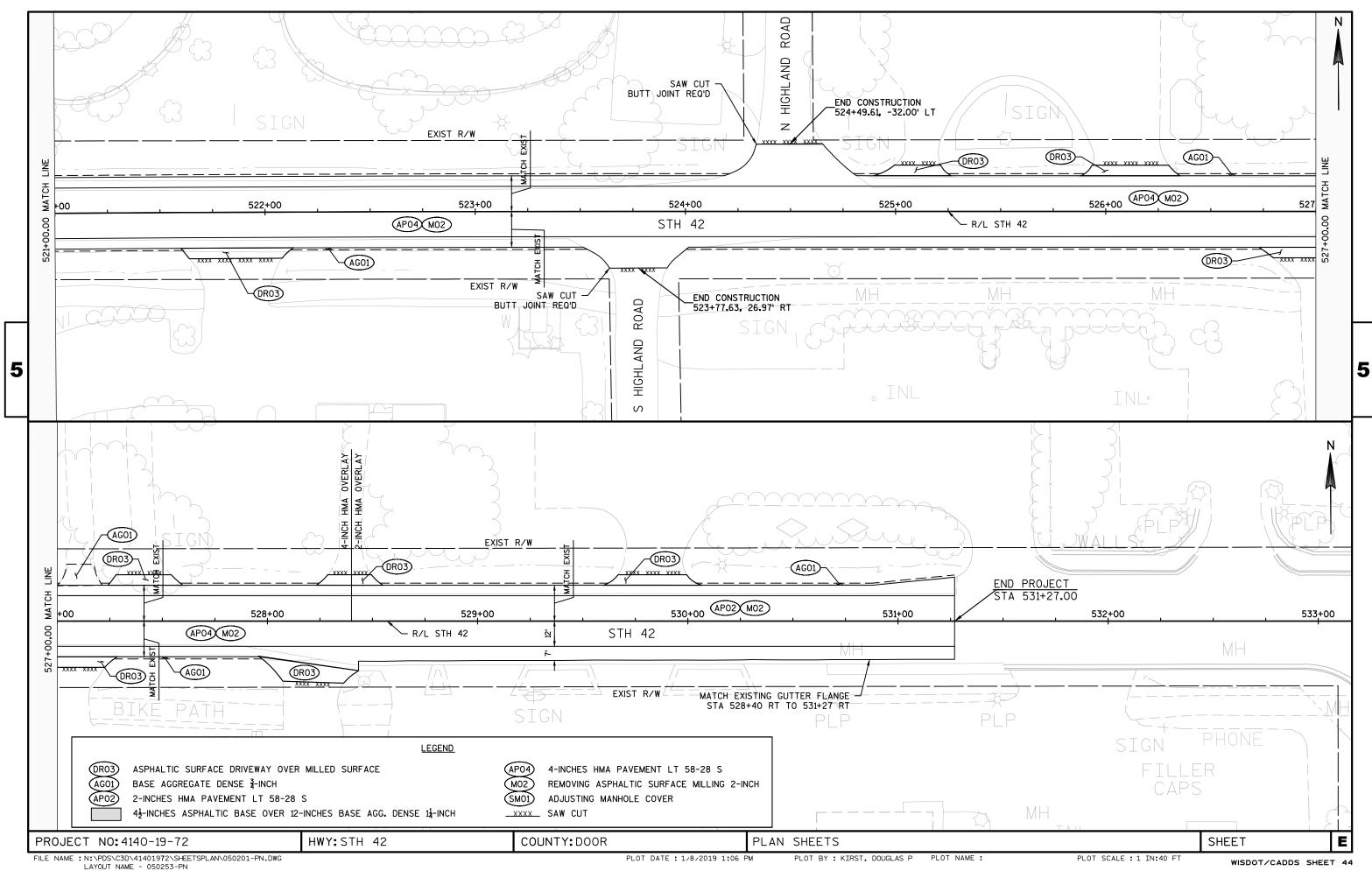






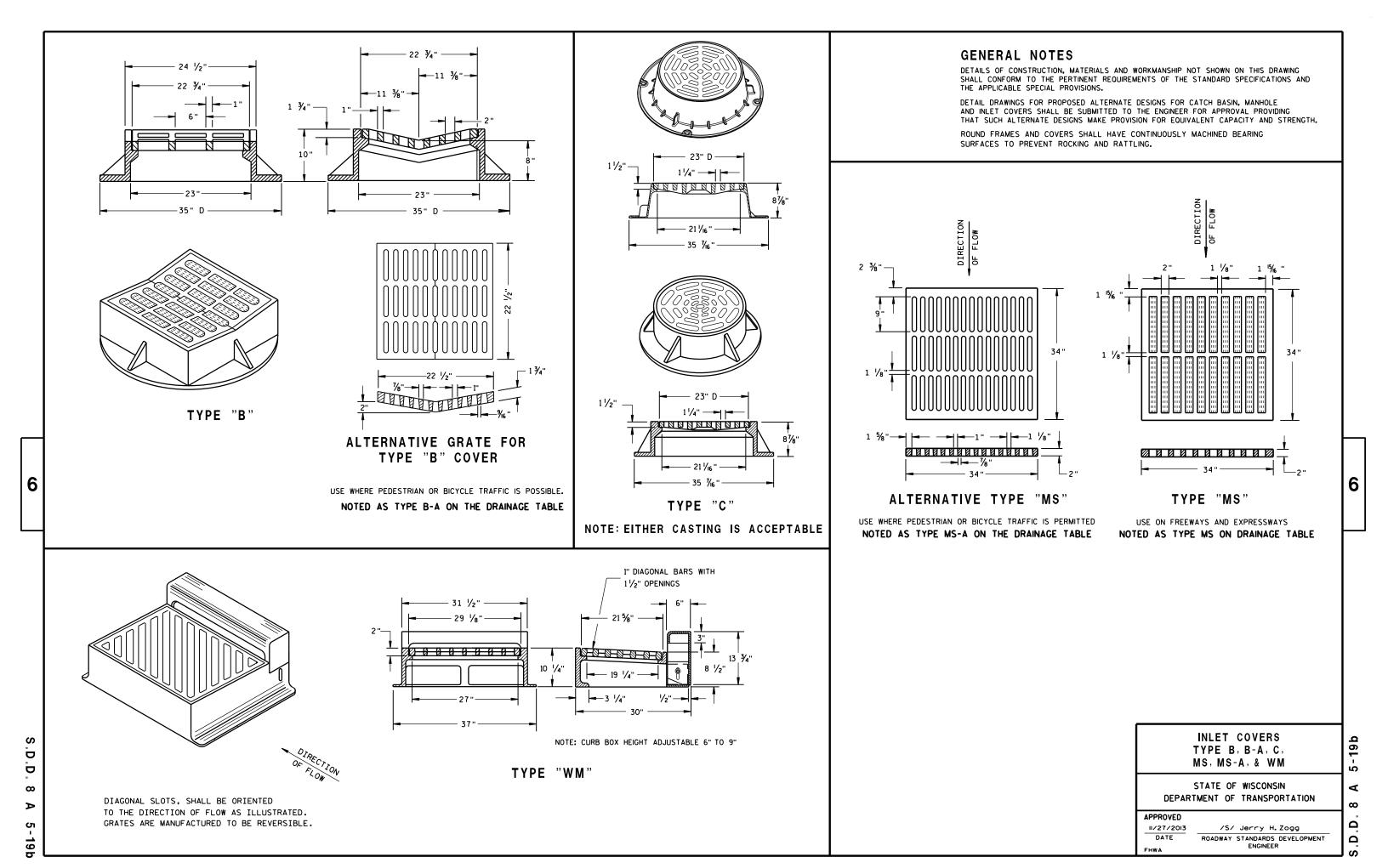


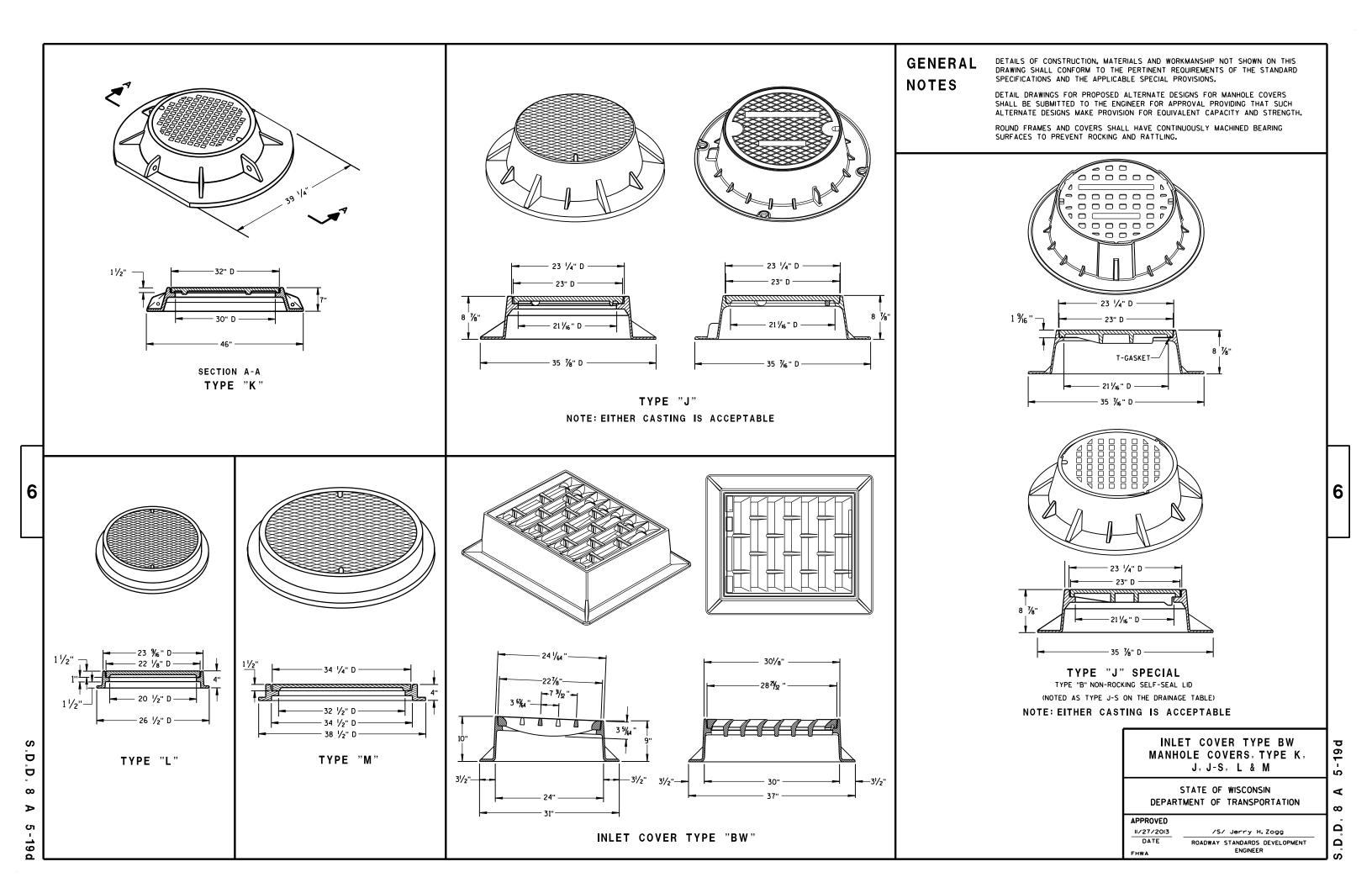




Standard Detail Drawing List

| 08A05-19B | INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM |
|-----------|---|
| 08A05-19D | INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M |
| 08A08-02 | CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER |
| 08B09-02 | MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER |
| 08C08-02 | INLETS MEDIAN 1 AND 2 GRATE |
| 08D22-01 | DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL |
| 08E08-03 | TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS |
| 08E09-06 | SILT FENCE |
| 08E10-02 | INLET PROTECTION TYPE A, B, C AND D |
| 08F01-11 | APRON ENDWALLS FOR CULVERT PIPE |
| 08F04-07 | JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL |
| 09A01-13A | AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE |
| 09A01-13B | AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2" |
| 13A11-03A | 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING |
| 13A11-03B | 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING |
| 14B29-01 | SAFETY EDGE |
| 14B42-06A | MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL |
| 14B42-06B | MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL |
| 14B42-06C | MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL |
| 14B42-06D | MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL |
| 14B44-04A | MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) |
| 14B44-04B | MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) |
| 14B44-04C | MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) |
| 15A03-02A | FLEXIBLE MARKER POST FOR CULVERT END |
| 15A03-02B | FLEXIBLE MARKER POST FOR CULVERT END |
| 15C05-05 | TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS |
| 15C08-19A | LONGITUDINAL MARKING (MAINLINE) |
| 15C11-07B | CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS |
| 15C12-06 | TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION |
| 15C19-05A | MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY |
| 15C33-03 | STOP LINE AND CROSSWALK PAVEMENT MARKING |
| 15C35-03A | PAVEMENT MARKING (INTERSECTIONS) |
| 15D28-03 | TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY |
| 15D38-02A | TEMPORARY TRAFFIC CONTROL SIGN MOUNTING |
| 15D38-02B | ATTACHMENT OF SIGNS TO POSTS |
| 15D39-02 | TRAFFIC CONTROL, DROP-OFF SIGNING |

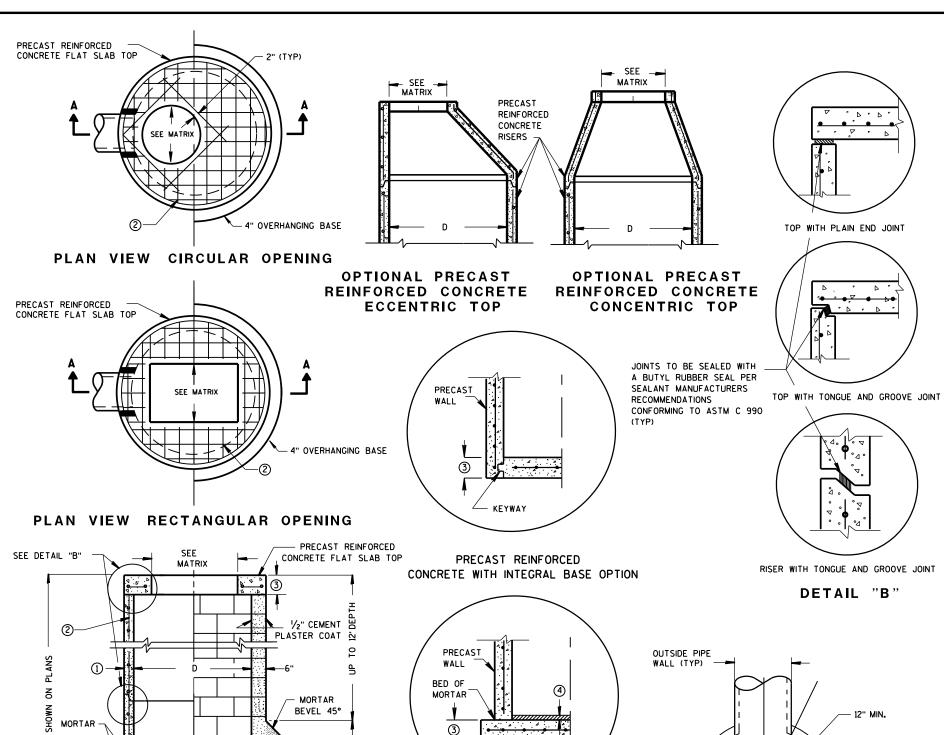






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2 COURSES

4

SECTION A-A

.Z.

CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER

FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

CONCRETE BLOCK WITH CAST-

REINFORCED CONCRETE BASE ②

IN-PLACE OR PRECAST

OUTSIDE PIPE WALL (TYP)

DETAIL "C"

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES, FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF $\frac{1}{2}$ 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 | INLET COVER TYPE | ALL A'S | ALL B'S | BW | С | F | ALL H'S | S | Т | ٧ | WM | Z |
|----------------|-------------------|---------|---------|----|---|---|---------|---|---|---|----|---|
| SIZE | OPENING SIZE (FT) | | | | | | | | | | | |
| 3-FT | 2X2 | Х | Х | | | | | Х | | Х | | |
| " | 2 DIA. | | | | Х | | | | | | | Х |
| | 2X2 | Х | Х | | | | | Х | | Х | | |
| 4-FT- | 2X2.5 | | | Х | | | | Х | Х | Х | X | |
| 6-FT | 2 DIA. | | | | X | | | | | | | Х |
| | 2X3 | | | | | | х | | | | | |
| | 2.5X3 | | | | | Х | | | | | | |

PIPE MATRIX

| CATCH BASIN | MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES | | | | | | | |
|----------------|---|---------------------|--|--|--|--|--|--|
| SIZE | 180° SEPARATION (IN) | 90° SEPARATION (IN) | | | | | | |
| 3-FT | 15 | 12 | | | | | | |
| 4-FT | 24 | 18 | | | | | | |
| 5-FT | 36 | 24 | | | | | | |
| 6-FT | 42 | 30 | | | | | | |
| | | | | | | | | |

4-FT, 5-FT AND 6-FT DIAMETER

CATCH BASINS 3-FT,

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2016

DATE

ROADWAY STANDARDS DEVELOPMENT

UNIT SUPERVISOR

CA

SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

D.D. 8 A 8-2

SEE DETAIL "A"

PRECAST REINFORCED

CONCRETE WITH

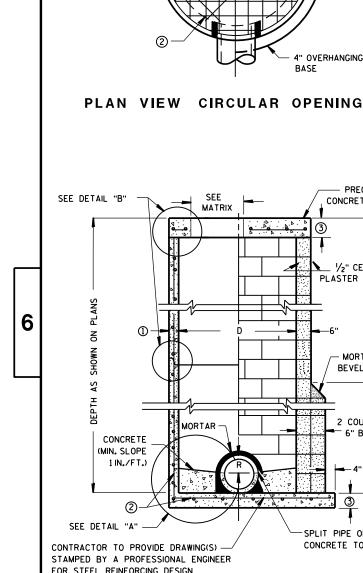
MONOLITHIC BASE

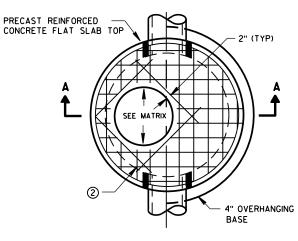


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SEE

MATRIX

SEE __ MATRIX **PRECAST** REINFORCED CONCRETE RISERS

OPTIONAL PRECAST REINFORCED CONCRETE **ECCENTRIC TOP**

PRECAST

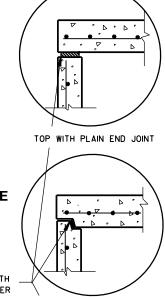
WALL

PRECAST REINFORCED

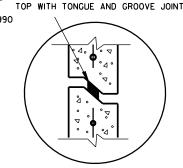
CONCRETE FLAT SLAB TOP

CONCRETE BASE 2

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

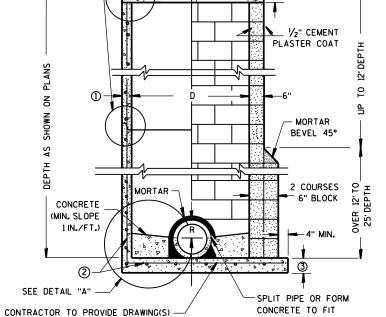


JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

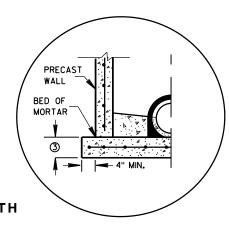


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B'



FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES PRECAST REINFORCED CONCRETE BLOCK WITH **CONCRETE WITH** CAST-IN-PLACE OR PRECAST REINFORCED MONOLITHIC BASE

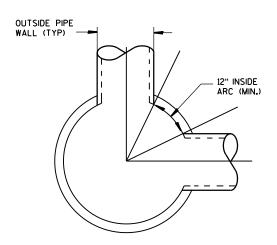


PRECAST REINFORCED

CONCRETE WITH INTEGRAL BASE OPTION

SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

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.

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

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

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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".

- MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT. 6 INCHES FOR 5-FT, 7 INCHES O MINIMUM WALL IHICKNESS SHALL DE 4 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

MANHOLE COVER OPENING MATRIX

| MANHOLE COVER TYPE | С | ALL J'S | K | L | М |
|-----------------------|---|---------|---|---|---|
| OPENING SIZE (FT) | | | | | |
| 2 DIA. | х | х | | Х | |
| 3 DIA. | | | Х | | Х |

PIPE MATRIX

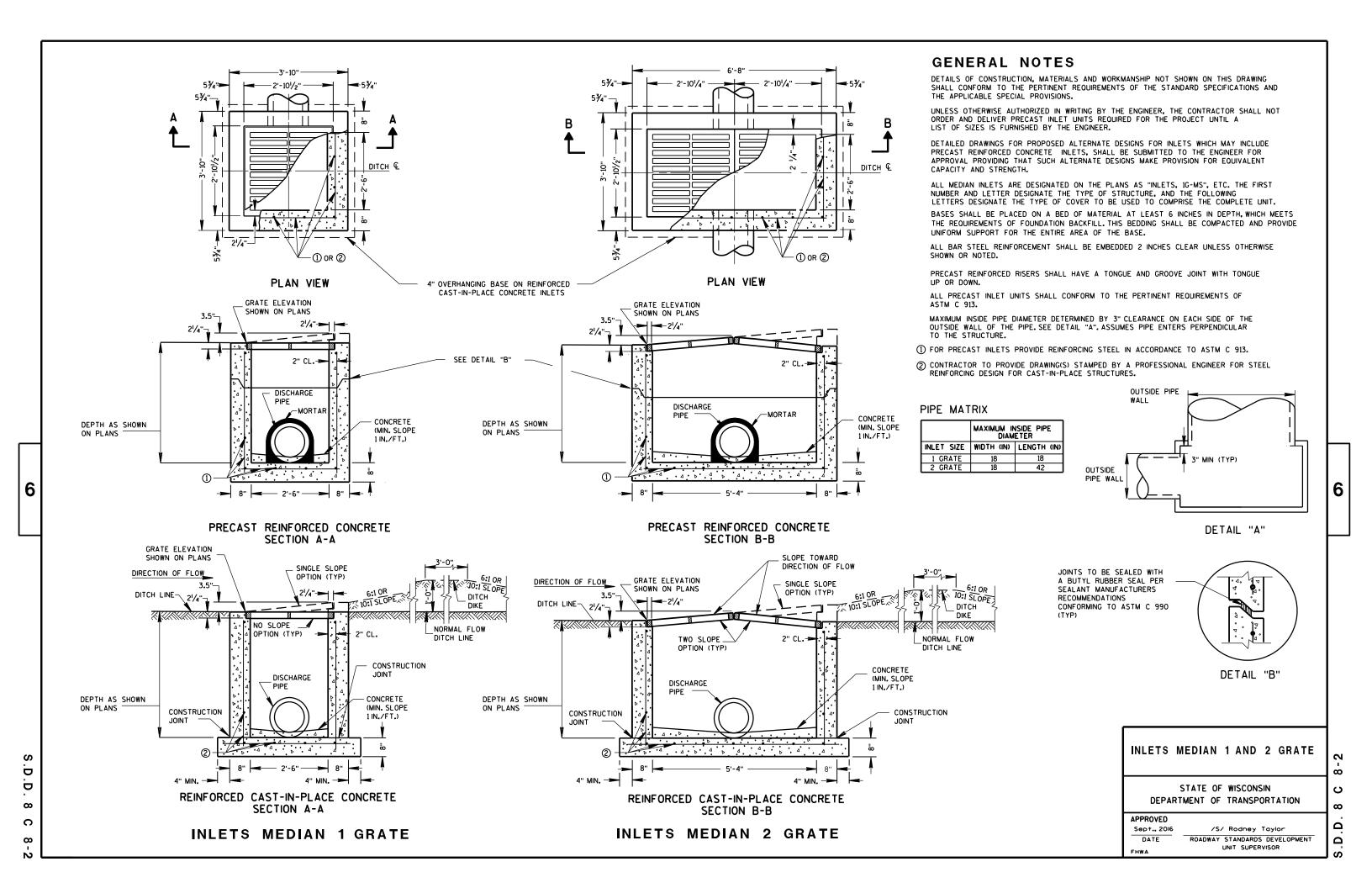
| MANHOLE | MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES | | | | | | |
|---------|---|--------------------|--|--|--|--|--|
| SIZE | 180° SEPARATION (IN) | 90° SEPARATION (IN | | | | | |
| 3-FT | 15 | 12 | | | | | |
| 4-FT | 24 | 18 | | | | | |
| 5-FT | 36 | 24 | | | | | |
| 6-FT | 42 | 36 | | | | | |
| 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

| PPROVED | |
|-------------|------------------------|
| Sept., 2016 | /S/ Rodney Taylor |
| DATE | ROADWAY STANDARDS DEVE |
| | UNIT SUPERVISOR |

ELOPMENT



1 DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.

EXISTING ASPHALTIC SURFACE DRIVEWAY — 8' TO 10' SHOULDER —= HMA PAVEMENT - 5' TO 20' -5' TO 7'-OVERLAY 2.00% 4.00% VARIES - EXISTING HMA PAVEMENT REMOVE EXISTING ASPH. PAV'T EXISTING BASE & BASE COURSE TO A DEPTH AGGREGATE DENSE SUFFICIENT TO PLACE 2" TO 3" ASPHALTIC SURFACE & 6" 2" TO 3" ASPHALTIC SURFACE (1) BASE AGGREGATE DENSE 6" BASE AGGREGATE MATCH EXISTING DRIVEWAY DENSE (MAY BE INCREASED FOR CLAY SUBGRADES)

PLAN VIEW

HALF SECTION

MATCH EXISTING DRIVEWAY — 8' TO 10' SHOULDER— 1 3' TO 5' 5' TO 20' - 5' TO 7'— HMA PAVEMENT OVERLAY 2.00% 4.00% VARIES 6" BASE AGGREGATE - DENSE (MAY BE INCREASED FOR CLAY SUBGRADES) _ EXISTING HMA PAVEMENT REMOVE EXISTING BASE COURSE EXISTING BASE AGGREGATE TO A DEPTH SUFFICIENT TO -PLACE 6" BASE AGGREGATE DENSE EXISTING CRUSHED - BASE AGGREGATE DENSE

PROFILE VIEW

RURAL ENTRANCE WITH ASPHALTIC SURFACE

RESURFACING PROJECTS

PROFILE VIEW

PLAN VIEW HALF SECTION

RURAL ENTRANCE WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE RESURFACING PROJECTS

DRIVEWAYS WITHOUT
CURB & GUTTER
RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

FHWA

December. 2016 /S/ Rodney Taylor

DATE ROADWAY STANDARDS DEVELOPMENT

UNIT SUPERVISOR

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D.D. 8 D 22-1

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.

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.



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 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

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TYPICAL APPLICATION OF SILT FENCE

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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.

- \bigcirc 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 11/8" X 11/8" 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 TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

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

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INLET PROTECTION, TYPE A

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

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.



INLET PROTECTION, TYPE C (WITH CURB BOX)

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

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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| | METAL APRON ENDWALLS | | | | | | | | | | |
|-------|----------------------|--------------|-------|--------|--------|----------|--------|----------------|-------|------------------------------------|-------|
| PIPE | MIN. 1 | THICK. | | | DIMEN: | SIONS (I | nches) | | | APPROX. | |
| DIA. | (Incl | | A | В | Н | L | Γį | L ₂ | W | W SLOPE | |
| (IN.) | STEEL | ALUM. | (±1") | (MAX.) | (±1") | (±1 ½") | ① | 0 | (±2") | 320.2 | |
| 12 | .064 | .060 | 6 | 6 | 6 | 21 | 12 | 171/2 | 24 | 2½+o 1 | 1Pc. |
| 15 | .064 | .060 | 7 | 8 | 6 | 26 | 14 | 213/4 | 30 | 21/2+o 1 | 1Pc. |
| 18 | .064 | .060 | 8 | 10 | 6 | 31 | 15 | 281/4 | 36 | 21/2+o 1 | 1Pc. |
| 21 | .064 | .060 | 9 | 12 | 6 | 36 | 18 | 295/8 | 42 | 21/2+o 1 | 1Pc. |
| 24 | .064 | .075 | 10 | 13 | 6 | 41 | 18 | 371/4 | 48 | 21/2+o 1 | 1Pc. |
| 30 | .079 | .075 | 12 | 16 | 8 | 51 | 18 | 521/4 | 60 | 21/2+0 1 | 1Pc. |
| 36 | .079 | . 105 | 14 | 19 | 9 | 60 | 24 | 59¾ | 72 | 21/2+o 1 | 2 Pc. |
| 42 | .109 | .105 | 16 | 22 | 11 | 69 | 24 | 75% | 84 | 21/2 to 1 | 2 Pc. |
| 48 | .109 | .105 | 18 | 27 | 12 | 78 | 24 | 81 | 90 | 2 ¹ / ₄ +o 1 | 3 Pc. |
| 54 | .109 | .105 | 18 | 30 | 12 | 84 | 30 | 851/2 | 102 | 2 ¹ / ₄ †o 1 | 3 Pc. |
| 60 | .109× | .105× | 18 | 33 | 12 | 87 | _ | _ | 114 | 2 to 1 | 3 Pc. |
| 66 | .109× | .105× | 18 | 36 | 12 | 87 | _ | _ | 120 | 2 to 1 | 3 Pc. |
| 72 | .109× | .105× | 18 | 39 | 12 | 87 | _ | _ | 126 | 2 to 1 | 3 Pc. |
| 78 | .109× | .105× | 18 | 42 | 12 | 87 | _ | _ | 132 | 11/2+0 1 | 3 Pc. |
| 84 | .109× | .105× | 18 | 45 | 12 | 87 | _ | _ | 138 | 11/2 to 1 | 3 Pc. |
| 90 | .109× | .105× | 18 | 37 | 12 | 87 | _ | _ | 144 | 11/2+0 1 | 3 Pc. |
| 96 | .109× | .105× | 18 | 35 | 12 | 87 | _ | _ | 150 | 1/2+0 1 | 3 Pc. |

| | RE | NFORC | ED C | ONCRET | E APRO | N E | NDWAL | .LS | | |
|------|----------------|---------------------------|--|--|-------------------------------------|-----|-------|------------------|--|--|
| PIPE | | DIMENSIONS (Inches) | | | | | | | | |
| DIA. | T | A | В | С | D | Ε | G | APPROX. SLOPE | | |
| 12 | 2 | 4 | 24 | 48 1/8 | 721/8 | 24 | 2 | 3 to 1 | | |
| 15 | 21/4 | 6 | 27 | 46 | 73 | 30 | 21/4 | 3 to 1 | | |
| 18 | 21/2 | 9 | 27 | 46 | 73 | 36 | 21/2 | 3 to 1 | | |
| 21 | 23/4 | 9 | 36 | 371/2 | 731/2 | 42 | 23/4 | 3 to 1 | | |
| 24 | 3 | 91/2 | 431/2 | 30 | 731/2 | 48 | 3 | 3 to 1 | | |
| 27 | 31/4 | 101/2 | 491/2 | 24 | 731/2 | 54 | 31/4 | 3 to 1 | | |
| 30 | $3\frac{1}{2}$ | 12 | 54 | 193/4 | 731/2 | 60 | 31/2 | 3 to 1 | | |
| 36 | 4 | 15 | 63 | 34¾ | 97¾ | 72 | 4 | 3 to 1 | | |
| 42 | $4\frac{1}{2}$ | 21 | 63 | 35 | 98 | 78 | 41/2 | 3 to 1 | | |
| 48 | 5 | 24 | 72 | 26 | 98 | 84 | 5 | 3 to 1 | | |
| 54 | 51/2 | | 65 | ************************************** | 8 ¹ / ₄ - 100 | 90 | 51/2 | 2% to 1 | | |
| 60 | 6 | * ** 30-35 | 60 | 39 | 99 | 96 | 5 | 2 to 1 | | |
| 66 | 61/2 | * ** 24-30 | * * * 72-78 | * * * 21-27 | 99 | 102 | 51/2 | 2 to 1 | | |
| 72 | 7 | * ** 24-36 | 78 | 21 | 99 | 108 | 6 | 2 to 1 | | |
| 78 | 71/2 | * ** 24-36 | 78 | 21 | 99 | 114 | 61/2 | 2 to 1 | | |
| 84 | 8 | 36 | 901/2 | 21 | 1111/2 | 120 | 61/2 | 1½+o 1 | | |
| 90 | 81/2 | 41 | 871/2 | 24 | 1111/2 | 132 | 61/2 | 11/2+0 1 | | |

THREADED %6" DIA. ROD CONNECTOR AROUND CULVERT & THROUGH TANK TYPE CONNECTOR LUG LUG OR ALTERNATE CONNECTOR STRAP (SEE DETAIL) MEASURED LENGTH OF CULVERT TYPE 1 FOR 12" THRU 24" CORR. PIPE







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

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

DIMPLED BAND MAY BE USED WITH HELICALLY

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

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

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT ALTERNATE FOR TYPE 1 CONNECTION END SECTION CONNECTOR STRAP

* EXCEPT CENTER PANEL SEE GENERAL NOTES





SHOULDER

SLOPE



SIDE ELEVATION METAL ENDWALLS



**MAXIMUM





CONCRETE ENDWALLS

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

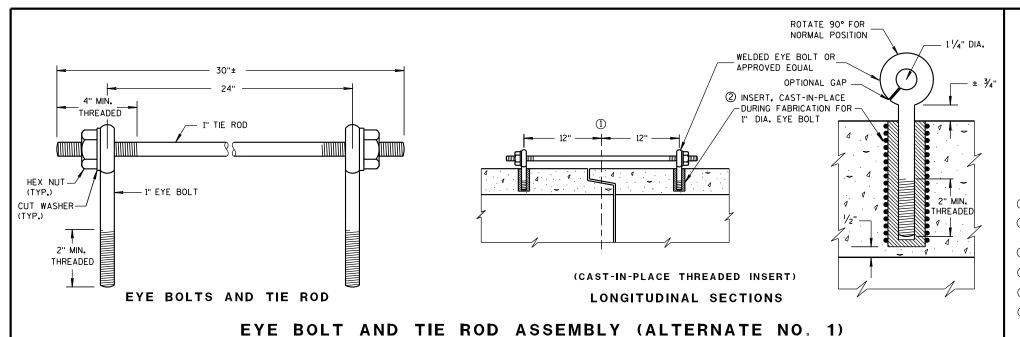
LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES.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

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

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



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



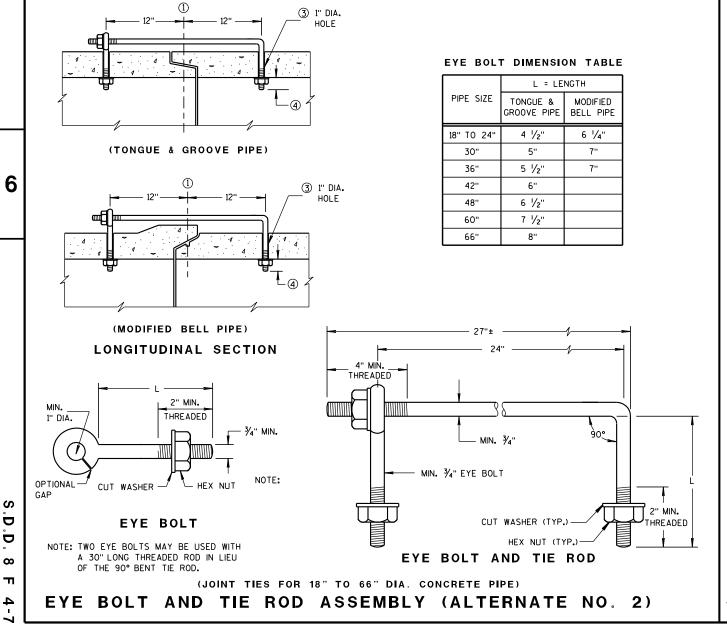
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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.

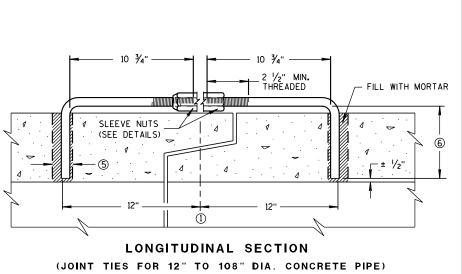
DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

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

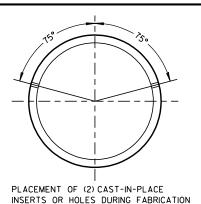
- (1) & OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE
- ${\mathfrak S}$ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ${\mathfrak L}$ OF TONGUE AND GROOVE.
- 4 BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.
- (5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.
- ⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN $rac{1}{2}$ INCH OF THE INNER SURFACE OF THE PIPE.



ADJUSTABLE TIE ROD TABLE 5/8 5 12-60 3/4 5 1/2 3/4 90-108 DIMENSIONS SHOWN ARE IN INCHES **TAPERED** PLAIN RIGHT AND LEFT THREADS **SLEEVE NUTS** 2 1/2" MIN. THREADED

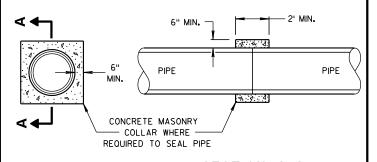


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

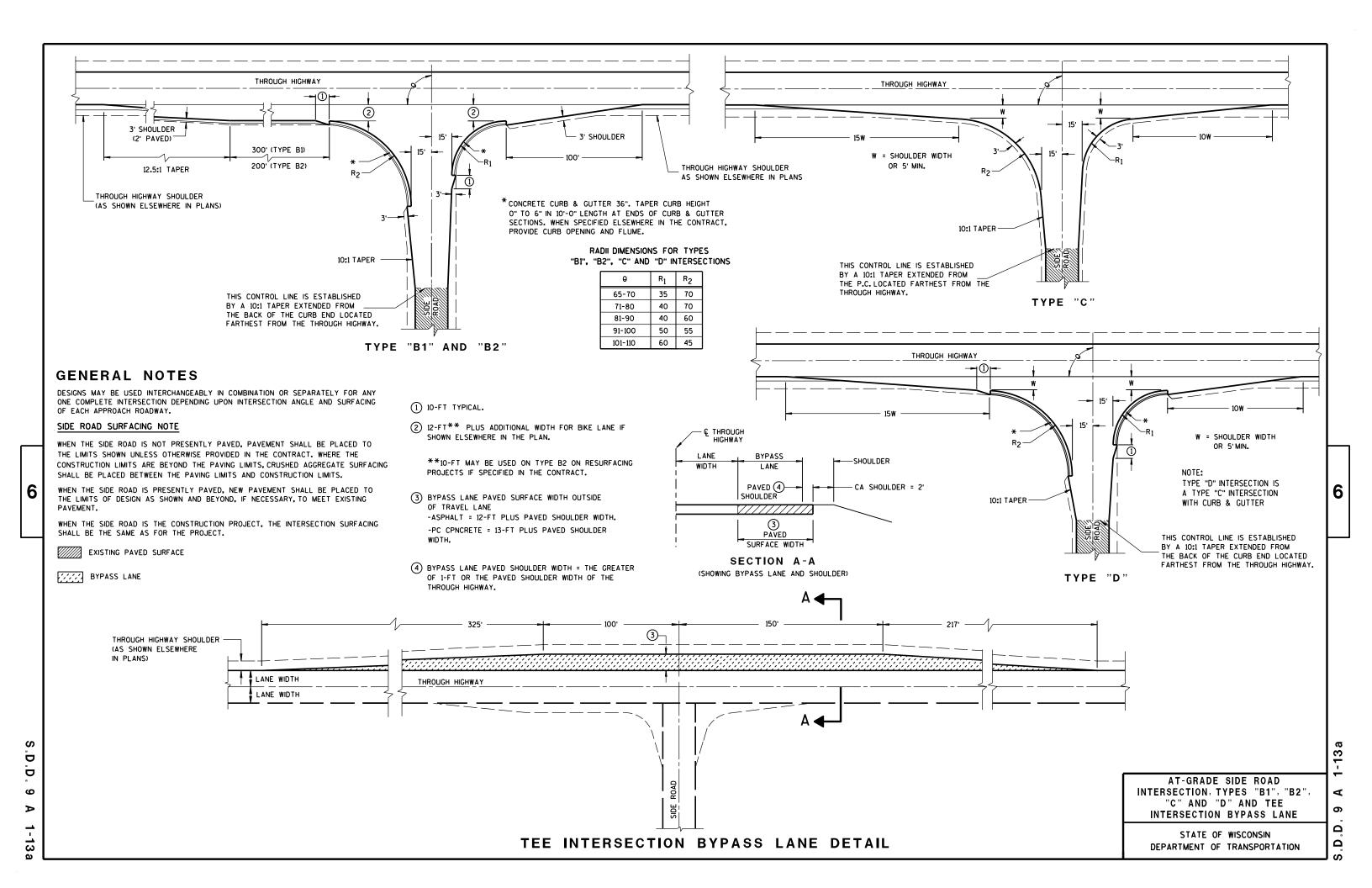
CONCRETE COLLAR DETAIL

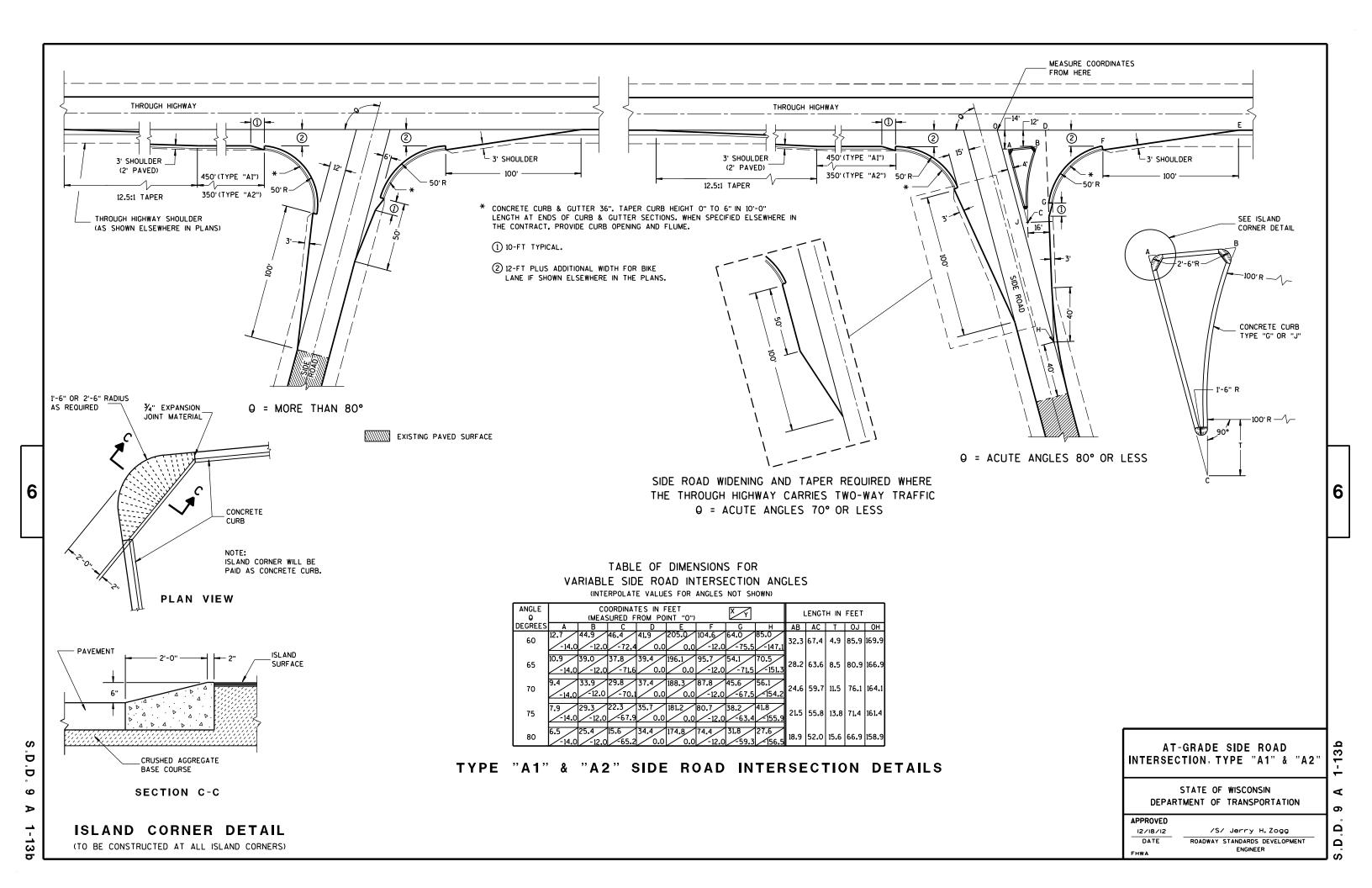
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

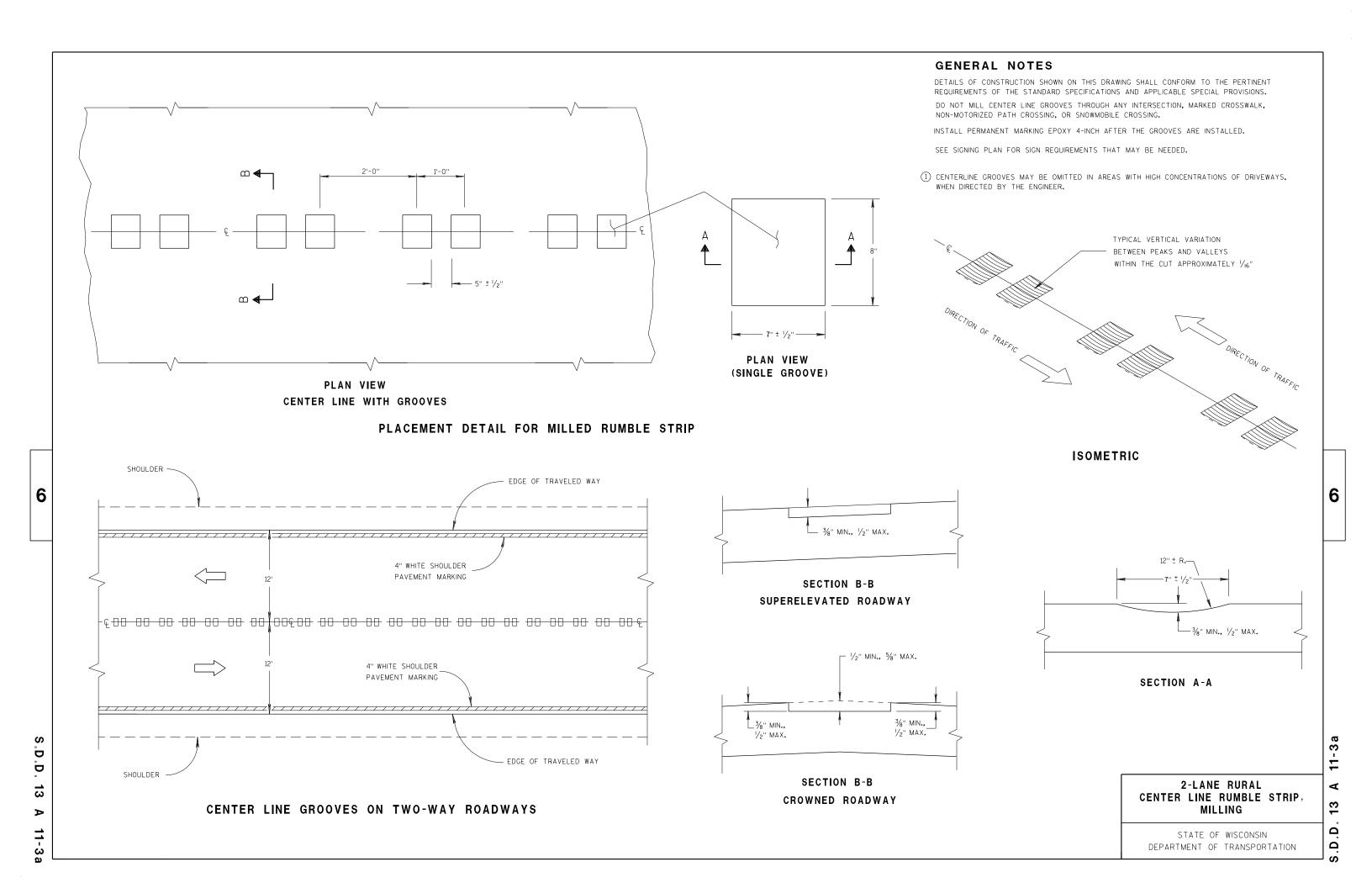
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

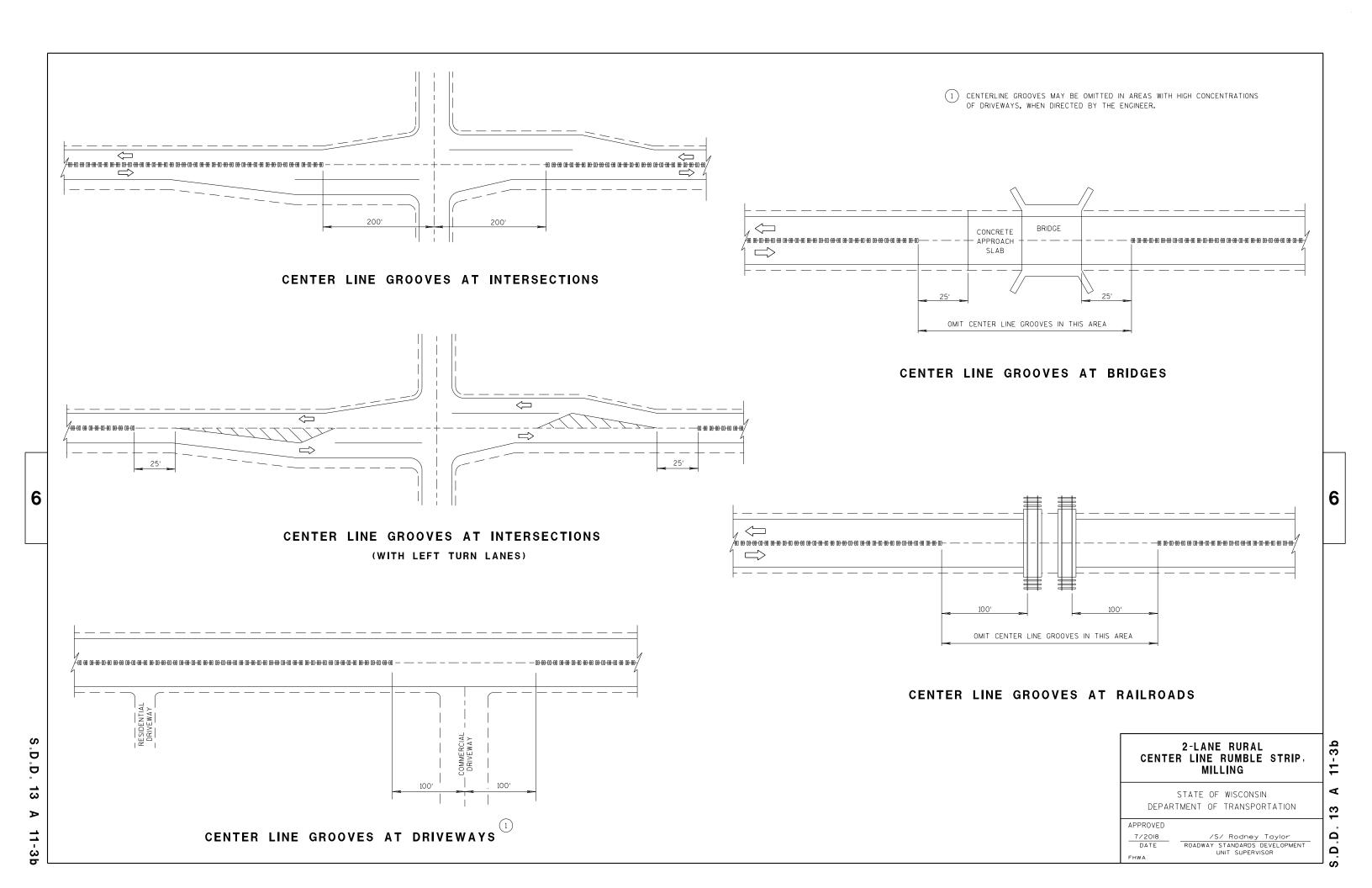
6/5/2012 /S/ Jerry H. Zogg DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

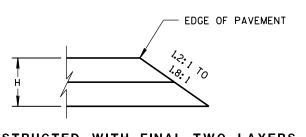
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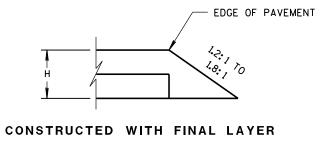








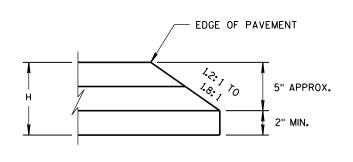


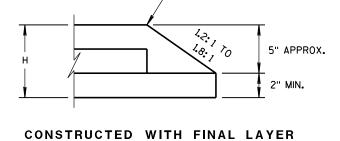


FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS





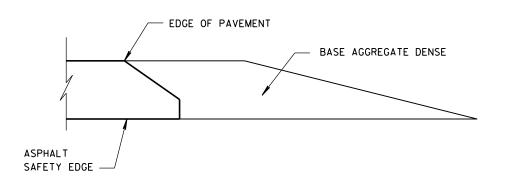
FOR H GREATER THAN 5"

EDGE OF PAVEMENT

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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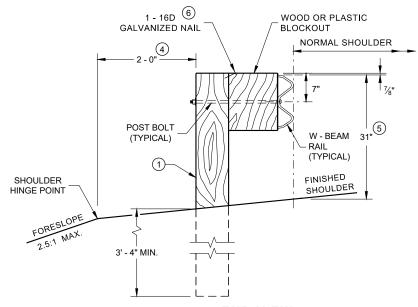
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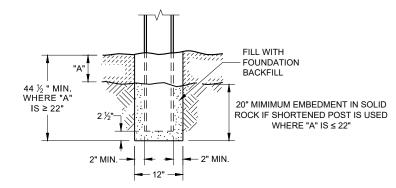
APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

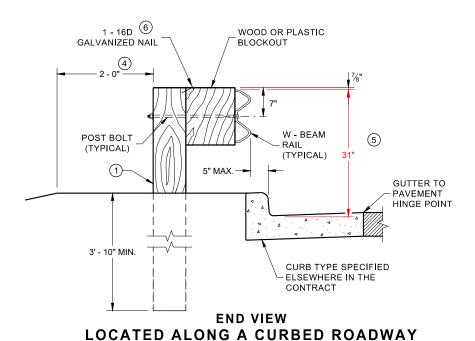
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- $\ \, \ \,$ IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE
- 4 WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- $\fill \begin{tabular}{ll} \end{tabular}$ FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS \$\pm1"\$. FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 % " TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.
- TOTAL POST LENGTH FOR TYPE K IS 7' 0". TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



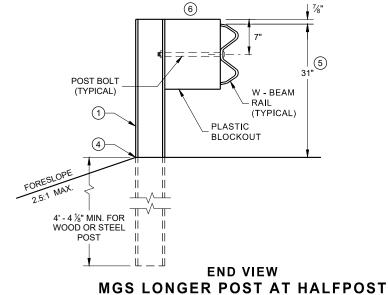
END VIEW LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION

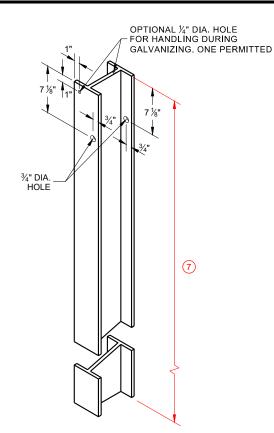


END VIEW SETTING STEEL OR WOOD POST IN ROCK

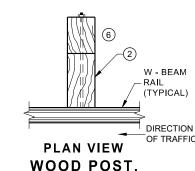


SPACING W BEAM (K)

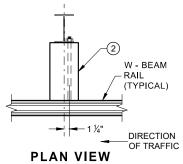




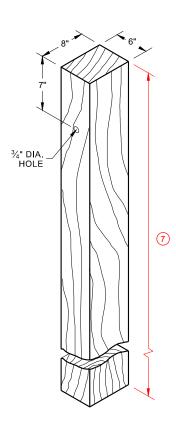
STEEL POST & HOLE **PUNCHING DETAIL** (W 6 X 9) ⁽¹⁾



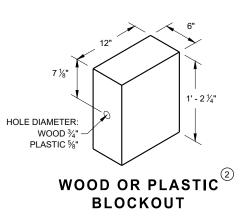
WOOD POST BLOCKOUT & BEAM



STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL



MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

FRONT VIEW HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)

6' 3" C - C

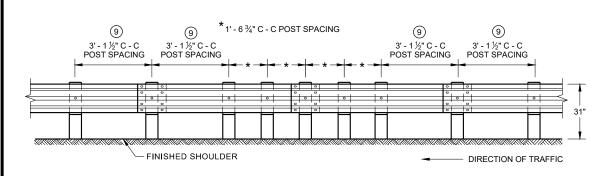
POST SPACING

DIRECTION OF TRAFFIC

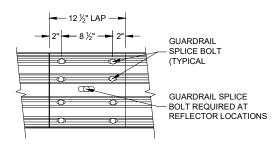
6' - 3" C -C

POST SPACING

FINISHED SHOULDER



FRONT VIEW **QUARTER POST SPACING (QS)**



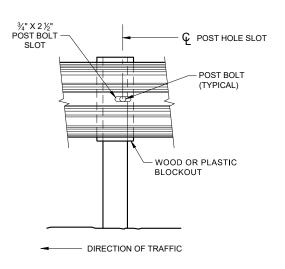
FRONT VIEW MID-SPAN BEAM SPLICE

GENERAL NOTES

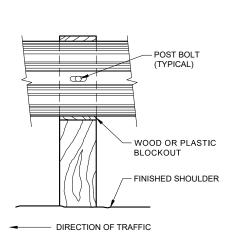
- DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.
- 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND %" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BÈ LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

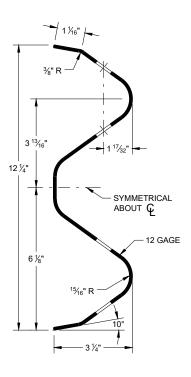
GUARD RAIL SPLICE BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



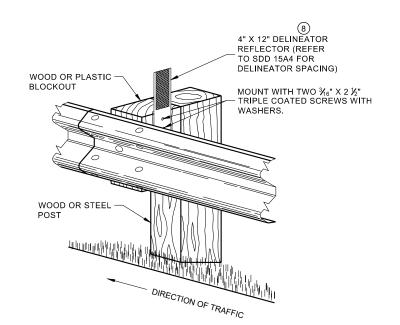
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST







ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

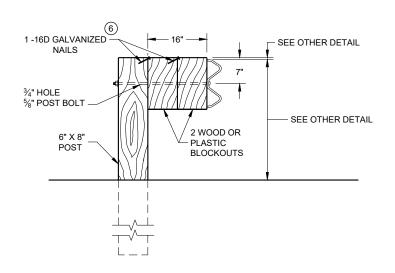
> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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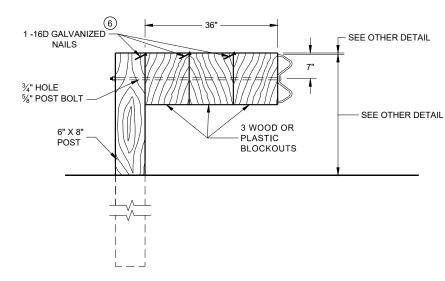
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DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



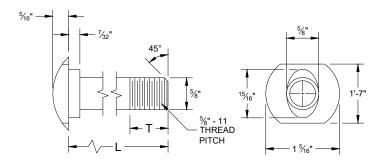
DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

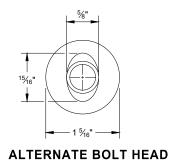
NOTE:

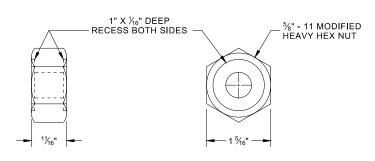
- 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/6".
- 2. IF THE BOLT EXTENDS MORE THAN $\mbox{\ensuremath{\mbox{\sc M}}}\mbox{\sc "}\mbox{\sc FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.}$



POST BOLT TABLE

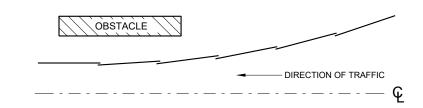
| L | T (MIN.) |
|--------|----------|
| 1 1⁄4" | 1 1/4" |
| 2" | 1 3/4" |
| 10" | 4" |
| 14" | 4 1/16" |
| 18" | 4" |
| 21" | 4 1/16" |
| 25" | 4" |



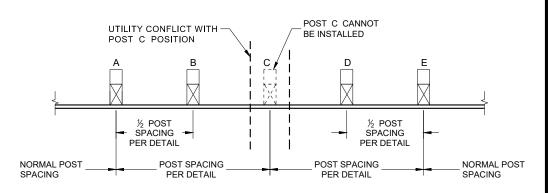


POST BOLT, SPLICE BOLT **AND RECESS NUT**

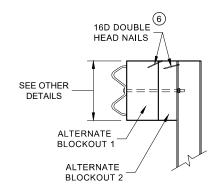
WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D (6) GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

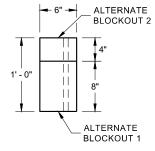


PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

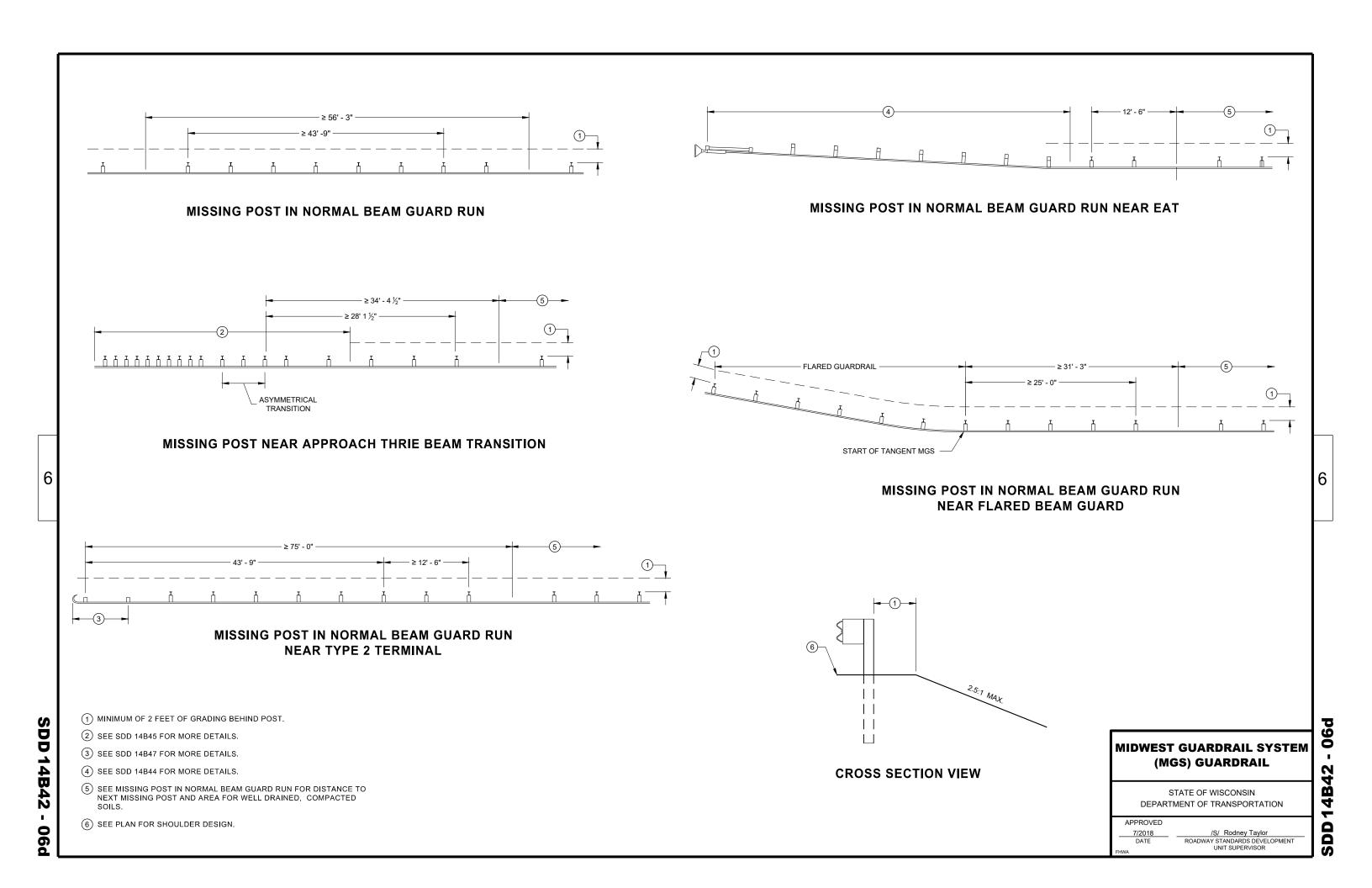
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

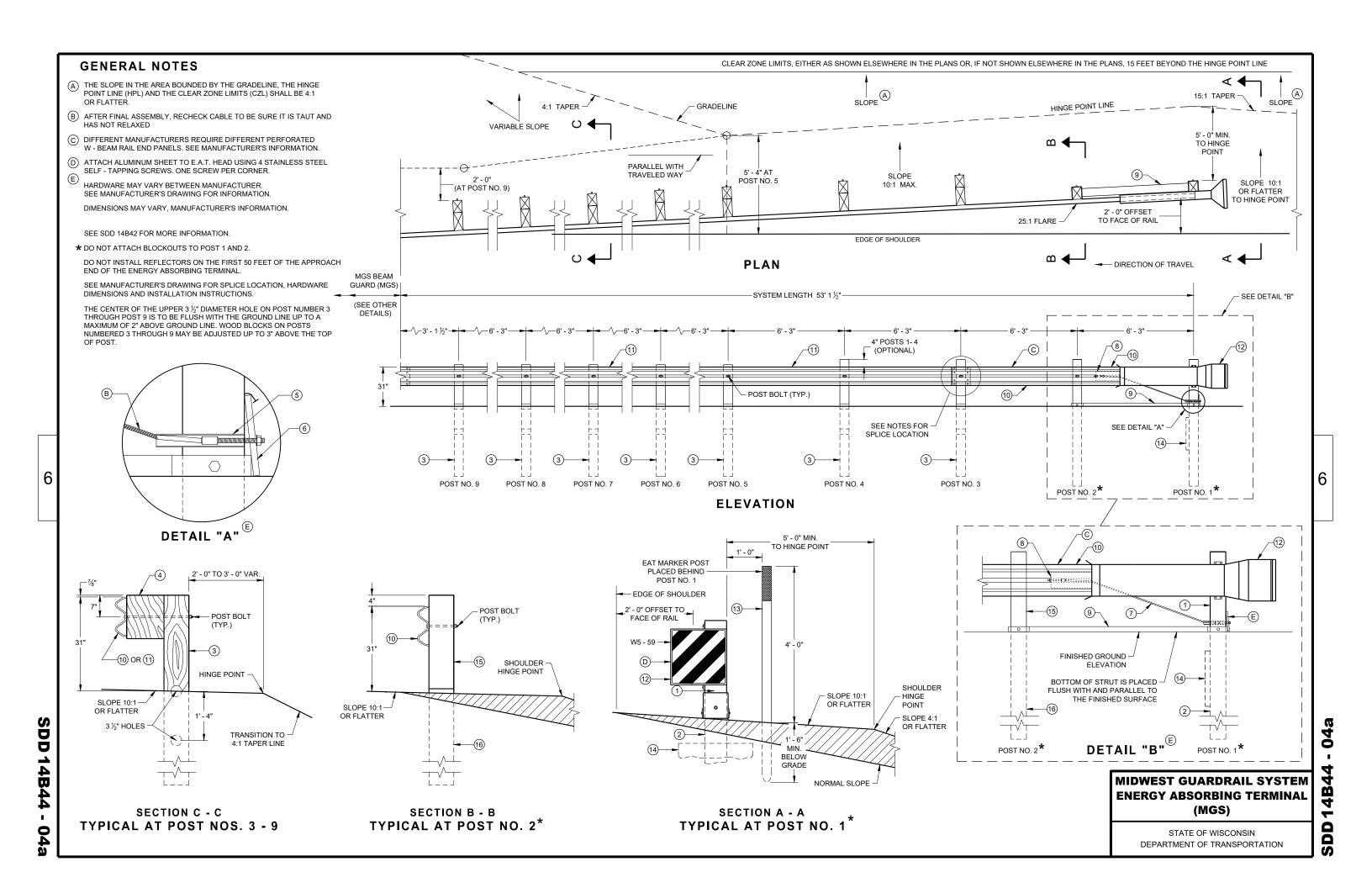
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

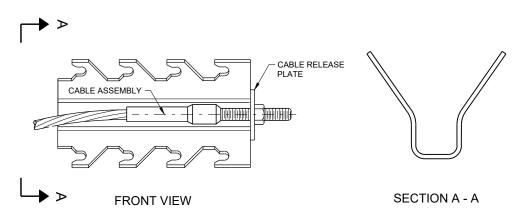
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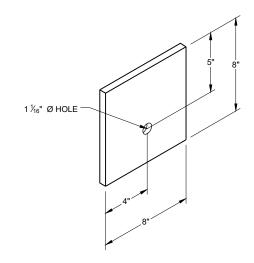
PLAN VIEW







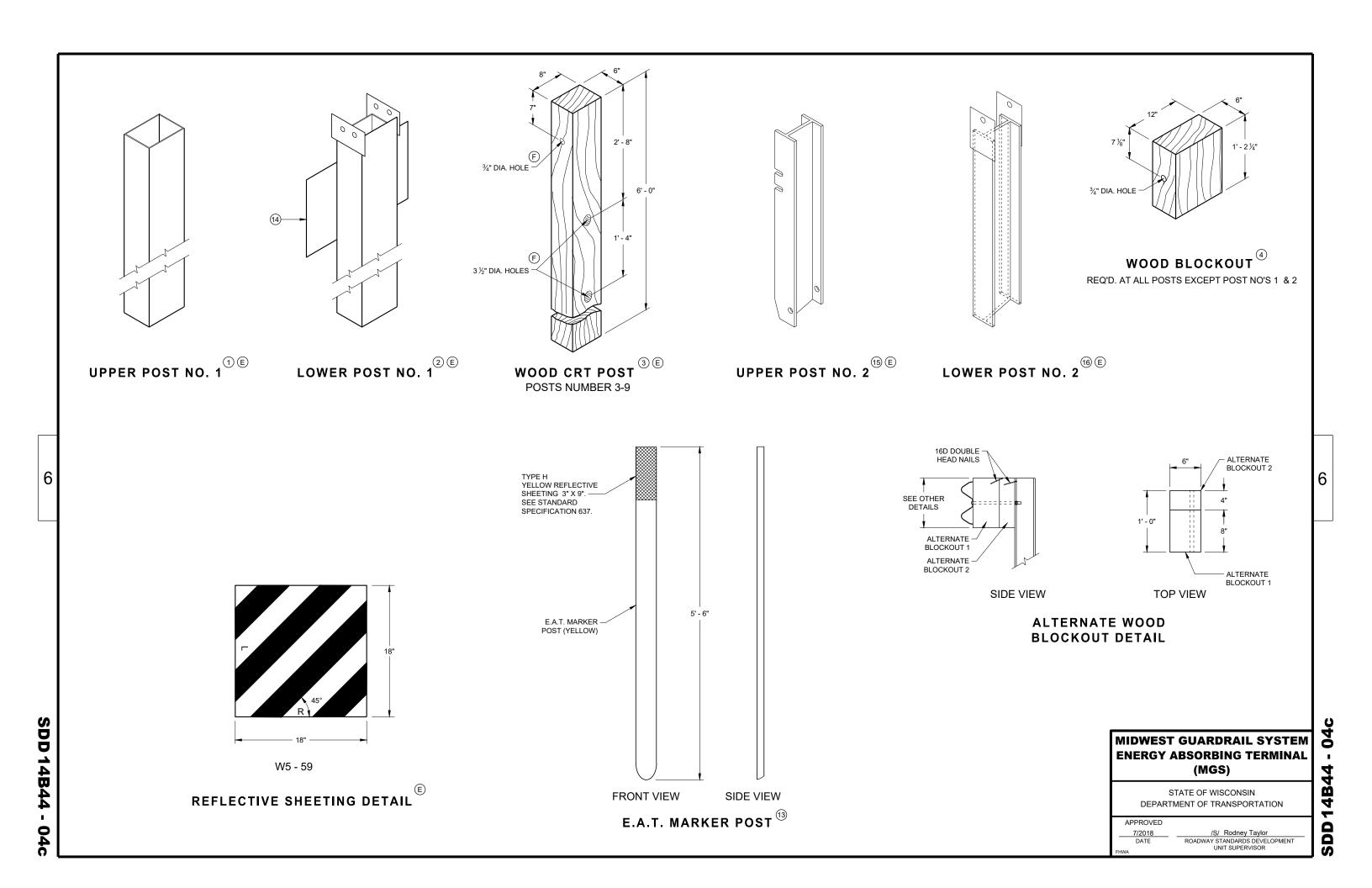
GENERIC ANCHOR CABLE BOX ^{(9) (E)}



BEARING PLATE

MIDWEST GUARDRAIL SYSTEM **ENERGY ABSORBING TERMINAL** (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION SDD







MAINLINE ROADWAY UNDER CONSTRUCTION

ROAD

WORK

AHEAD

CENTER OF ROADWAY

GENERAL NOTES

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

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

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

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.

imes The Third W20-1Sign is required only if there is an intersection BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

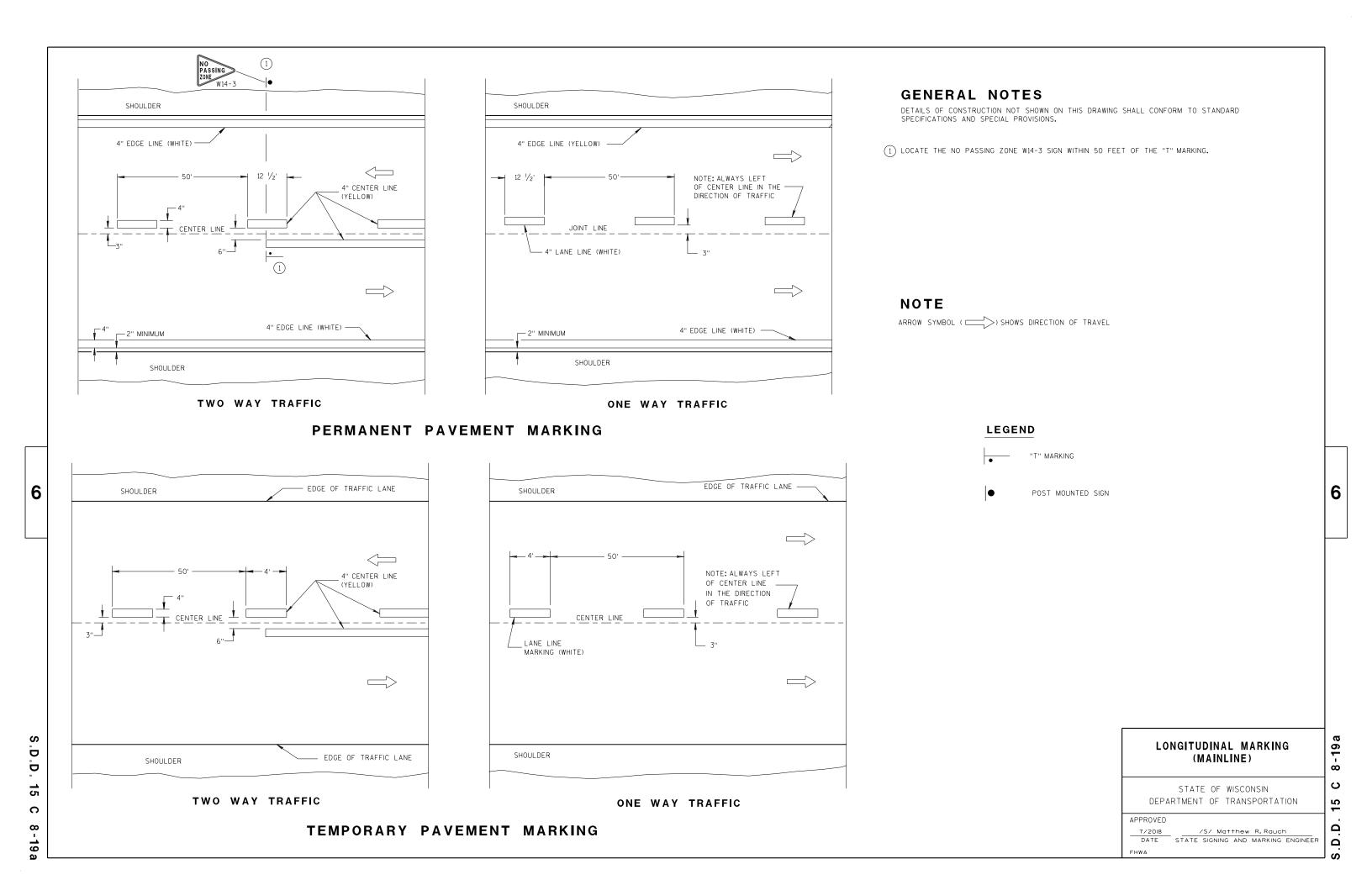
7/2018 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER

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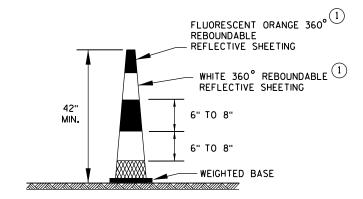
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DRUM

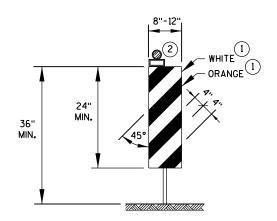
TYPE 2 BARRICADE

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



42" CONE

DO NOT USE IN TAPERS 1/2 SPACING OF DRUMS

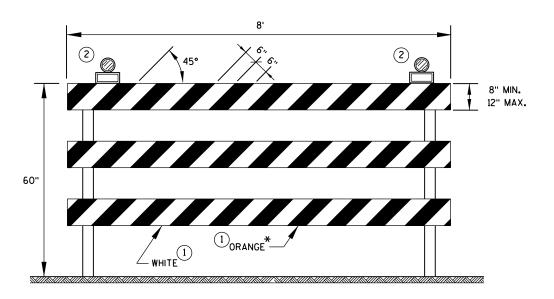


VERTICAL PANEL

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

GENERAL NOTES

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



TYPE 3 BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
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APPROVED

June 2017
DATE

WORK ZONE ENGINEER
FHWA

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TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STOP/SLOW PADDLE ON SUPPORT STAFF

5' MIN.

WORK

AHEAD

48" X 24"

END ROAD WORK G20-2A

(2)

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W20-1A

GENERAL NOTES

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

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

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

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

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

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

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

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

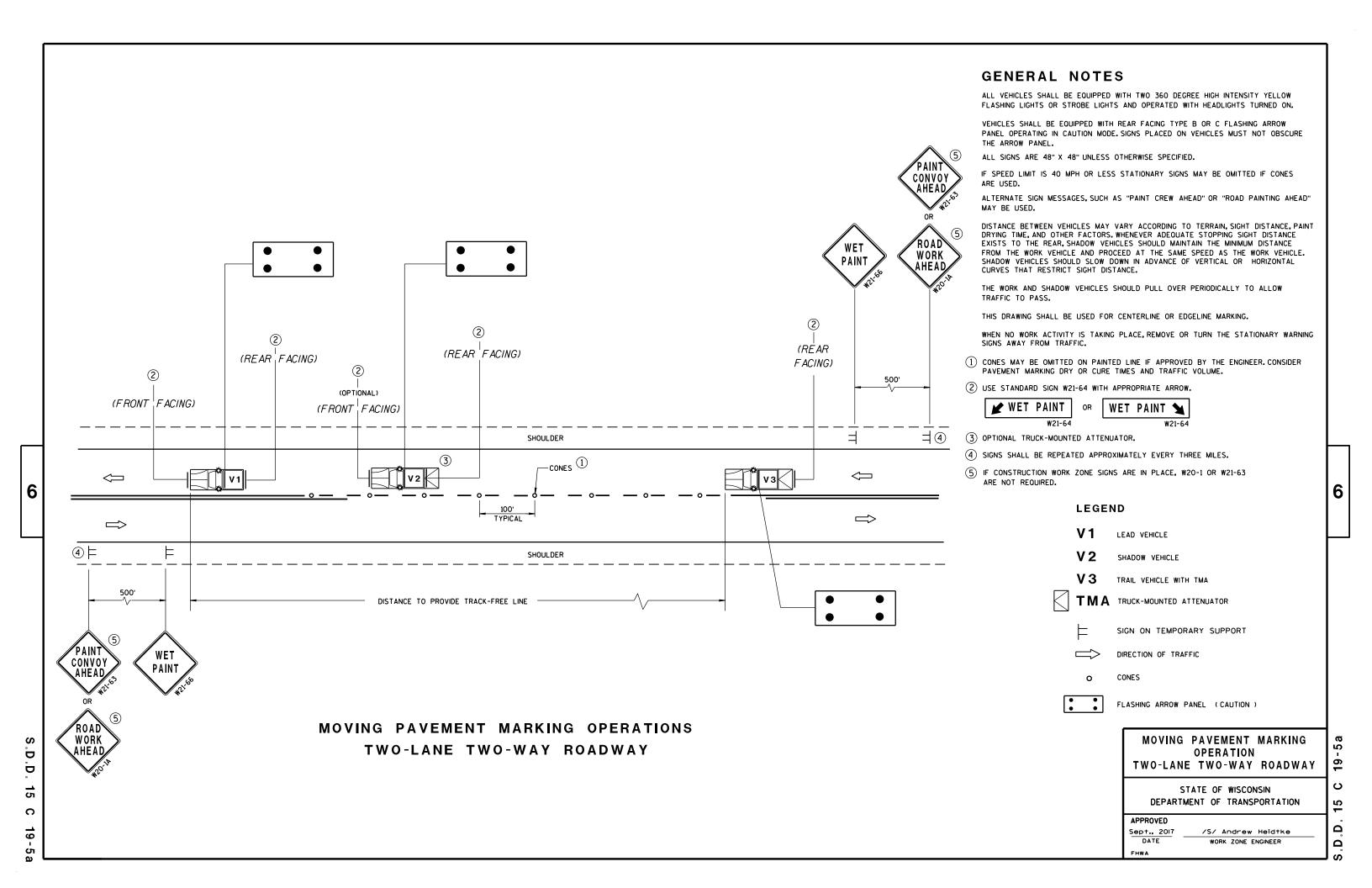
- 1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

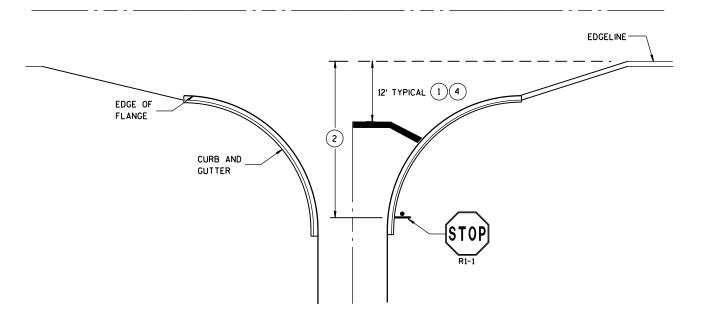
TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

| APPROVED | |
|-----------|--------------------|
| June 2017 | /S/ Andrew Heidtke |
| DATE | WORK ZONE ENGINEER |
| FHWA | |

D Ö 15 C 2

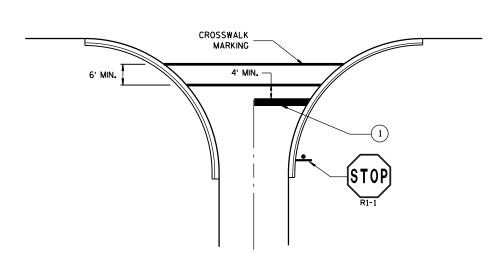




8" CHANNELIZATION WHITE FLANGELINE (EXTENSION) WHITE EDGELINE 4' TYPICAL (4)

TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



- EDGELINE 12' TYPICAL (1)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

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

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- (4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK **PAVEMENT MARKING**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

| APPROVED | | | | | | |
|-------------|-------|--------|-------|-------|----|----------|
| Sept., 2017 | | /S/ I | Matth | ew R. | Ro | uch |
| DATE | STATE | SIGNIN | G AND | MARKI | NG | ENGINEER |
| FHWA | | | | | | |

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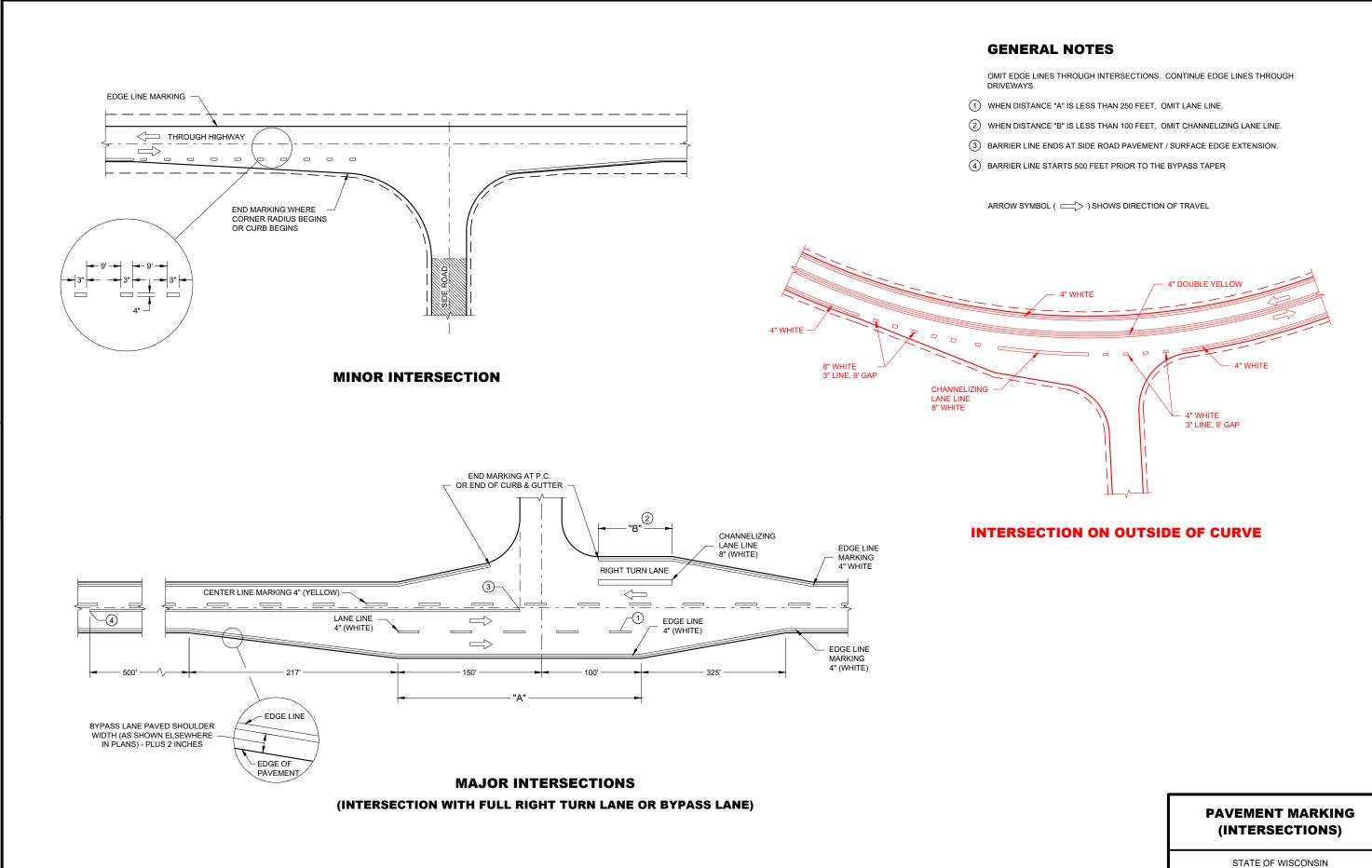
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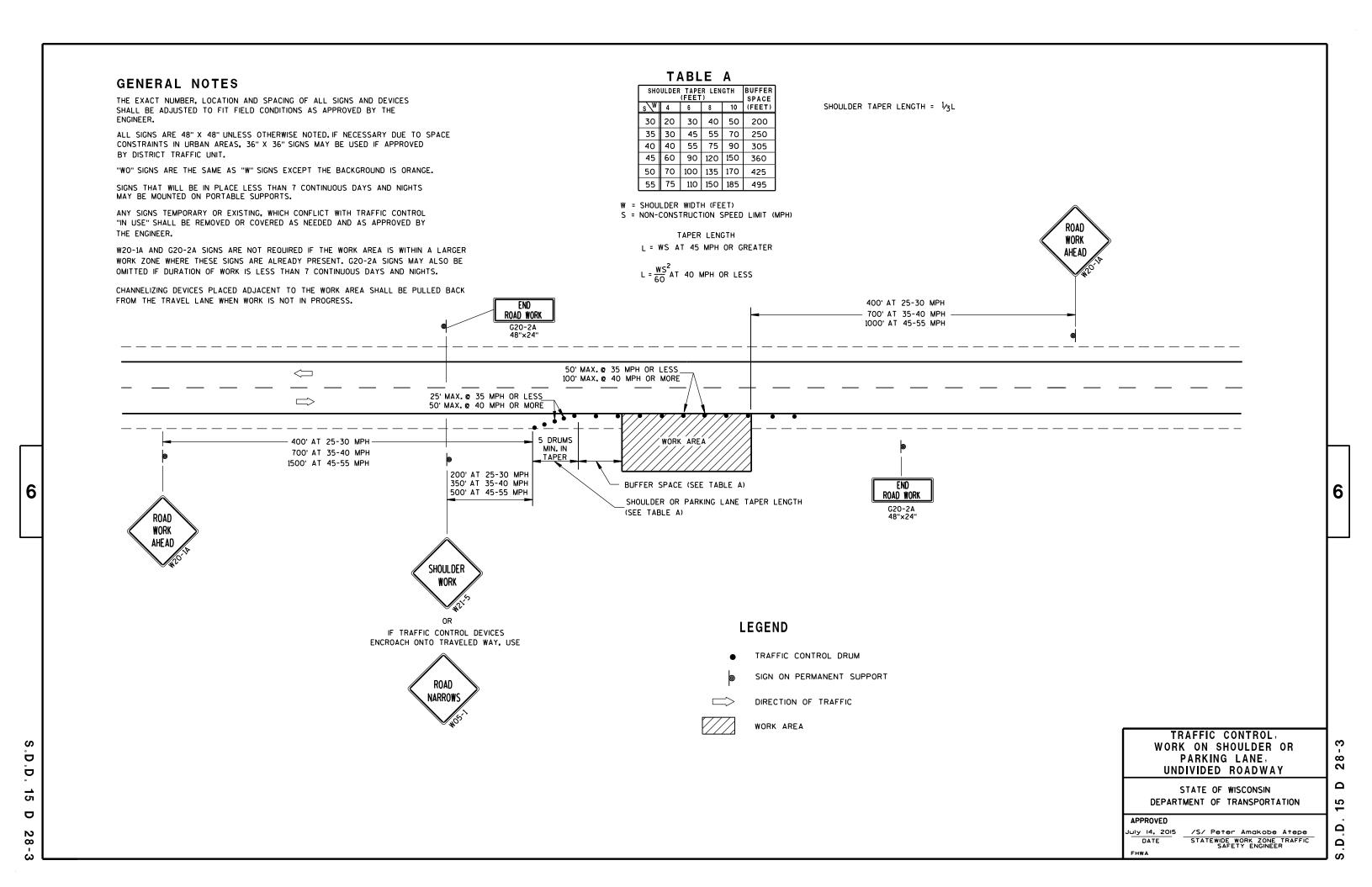
SDD 15C35

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SDD

DEPARTMENT OF TRANSPORTATION





TUBULAR STEEL POSTS

| AREA OF SIGN INSTALLATION (SO. FT.) | NUMBER OF REQUIRED TUBULAR STEEL POSTS |
|--|--|
| 9 OR LESS | 1 |
| GREATER THAN 9 LESS THAN OR EQUAL TO 18 | 2 |
| GREATER THAN 18 LESS THAN OR EQUAL TO 27 | 3 |

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

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

4" X 6" WOOD POST

| POST SPACING REQUIREM | NUMBER OF | | |
|--|-----------|------------------------|---|
| L | E | WOOD POSTS REQUIRED | |
| 48" OR LESS AND LESS THAN 20 SO.FT. | - | 1 | |
| LESS THAN 60" | 12" | 2 | ٤ |
| 60" TO 120" | L/5 | 2 | |
| GREATER THAN 120" LESS THAN 168" | 12" | 3 | |
| 168" AND GREATER | 12" | 4 | |

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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- 11/2" DIAMETER HOLES

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NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 1/6" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 1/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

> ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER FHWA

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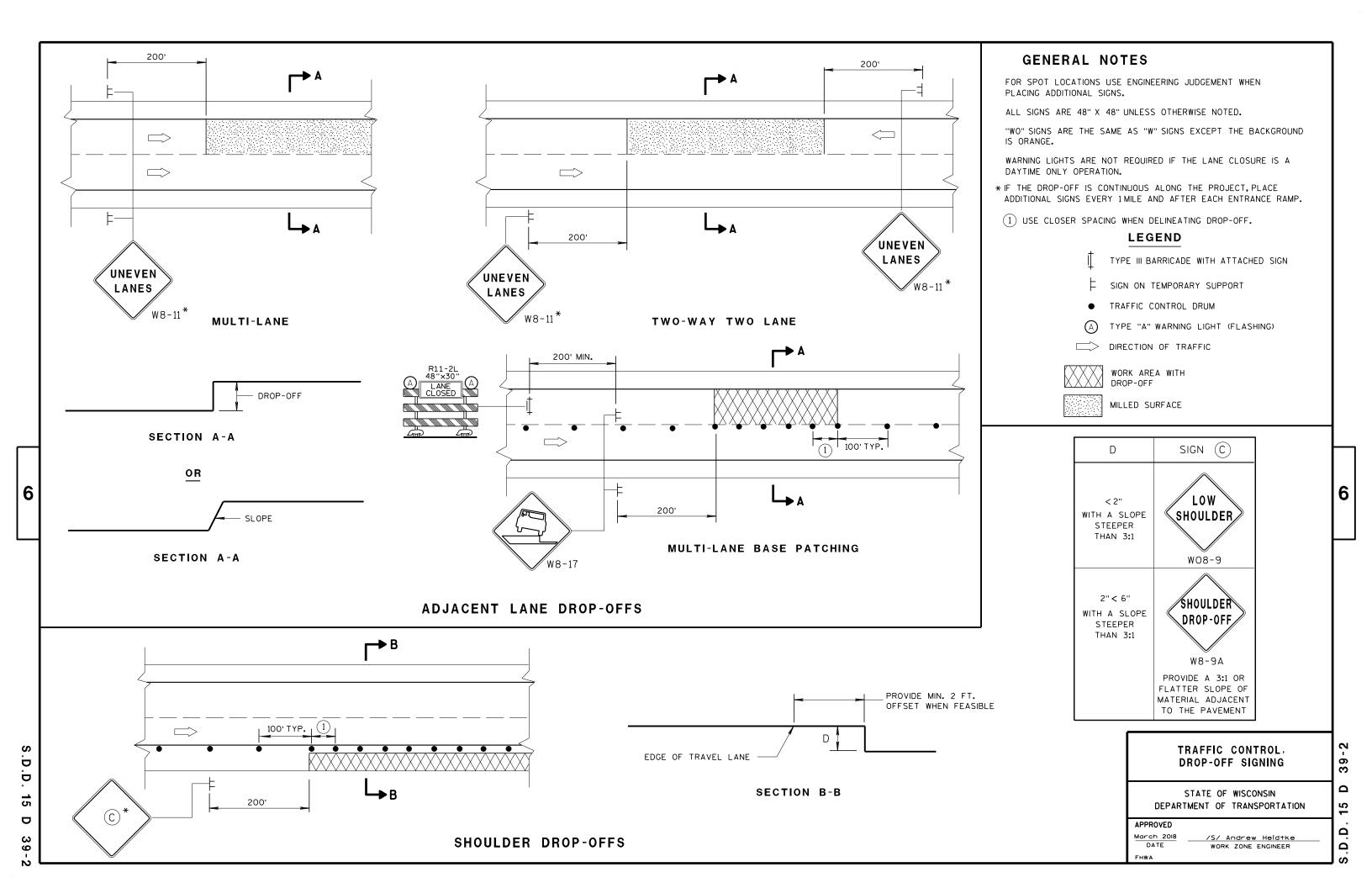
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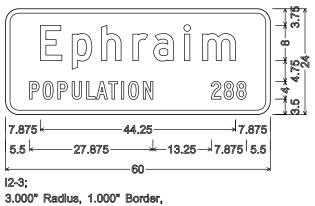
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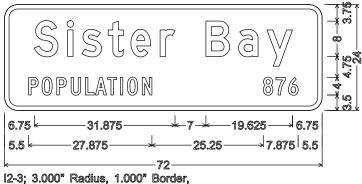
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38-2b

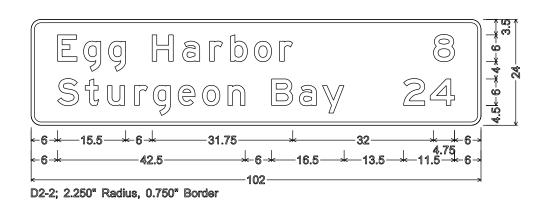


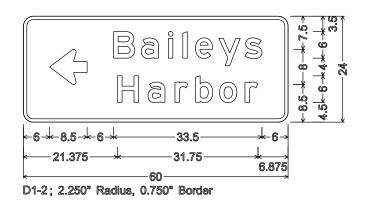


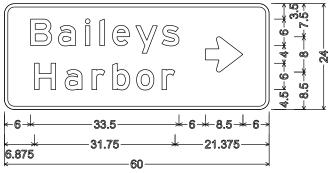
"Ephraim" D; "POPULATION" C; "288" C



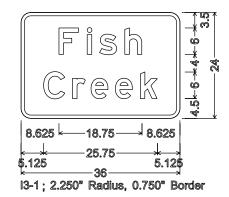
"Sister" D; "Bay" D; "POPULATION" C; "876" C

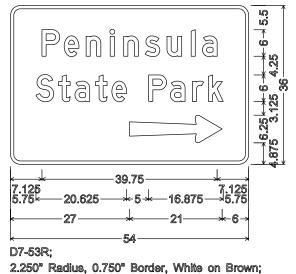






D1-2; 2.250" Radius, 0.750" Border





NOTES

Message - White

2. Color:

1. All Signs Type II - Type H Reflective

3. Message Series - E except as noted

Background - Green except as noted

2.250" Radius, 0.750" Border, White on Brown; "Peninsula" D; "State" D; "Park" D

Ε HWY:STH 42 COUNTY: DOOR PERMANENT SIGNING PROJECT NO: 4140-19-72 SHEET NO:

PLOT NAME :

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard

areater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



PROJECT NO:

J32-1

J22-1

J23-1

J33-1

PLOT BY: mscsja

PLATE NO. __A2-15.8

DATE 2/06/14

SHEET NO:

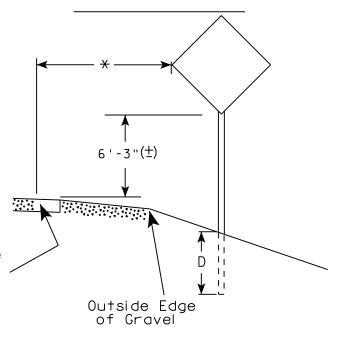
urban area

2' Min - 4' Max (See Note 6)

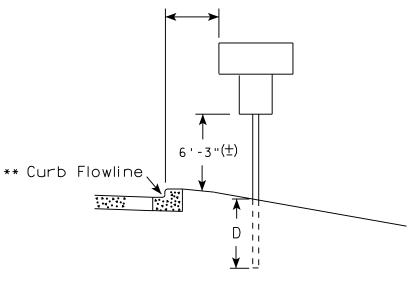
** Curb Flowline

D | White Edgeline Location

RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 6)



White Edgeline
Location

Outside Edge
of Gravel

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway

or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

- 1. Signs wider than 4 feet or 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" (\pm) or 6'-3" (\pm) depending upon existence of a sub-sign.
- 4. J-Assemblies are considered to be one sign for mounting height.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5'-3''(\pm)$.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (\pm) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' (\pm) 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" (±).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

SHEET NO:

PROJECT NO: HWY: COUNTY:



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



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

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4''-3'' (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- ** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

| D |
|-------|
| (Min) |
| 4' |
| 5' |
| |

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





| | SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE) | | |
|-----|---|-----|--|
| | L | E | |
| *** | Greater than 48" Less than 60" | 12" | |
| | 60" to 108" | L/5 | |

HWY:

| SIGN SHAPE OTHER THAN (THREE POSTS REQUIR | |
|---|------|
| L | E |
| Greater than 108" to 144" | 12'' |

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:



Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Nather R Raw
For State Traffic Engineer

DATE <u>8/11/16</u>

PLATE NO. <u>44-8.8</u>

PROJECT NO:

FILE NAME : C:\CAFfiles\Projects\tr stdplote\A48 DCN

PLOT DATE . 11-416-2016 11:35

PINT RY * \$\$ nintuser \$\$

SHEET NO:

| | |

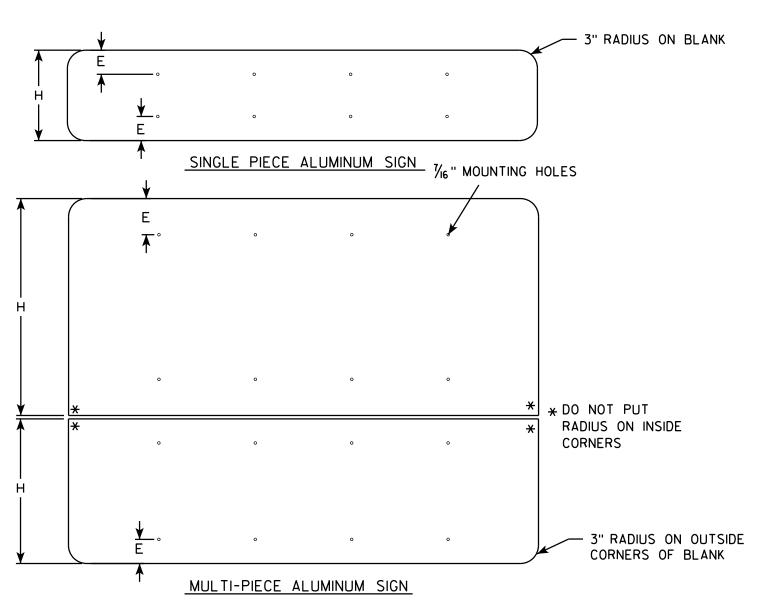


PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

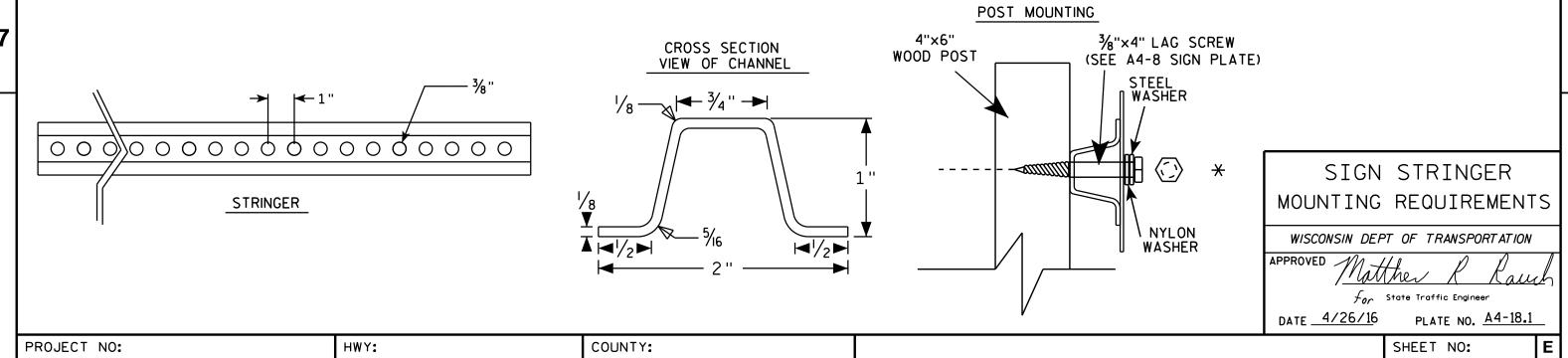
For State Traffic Engineer



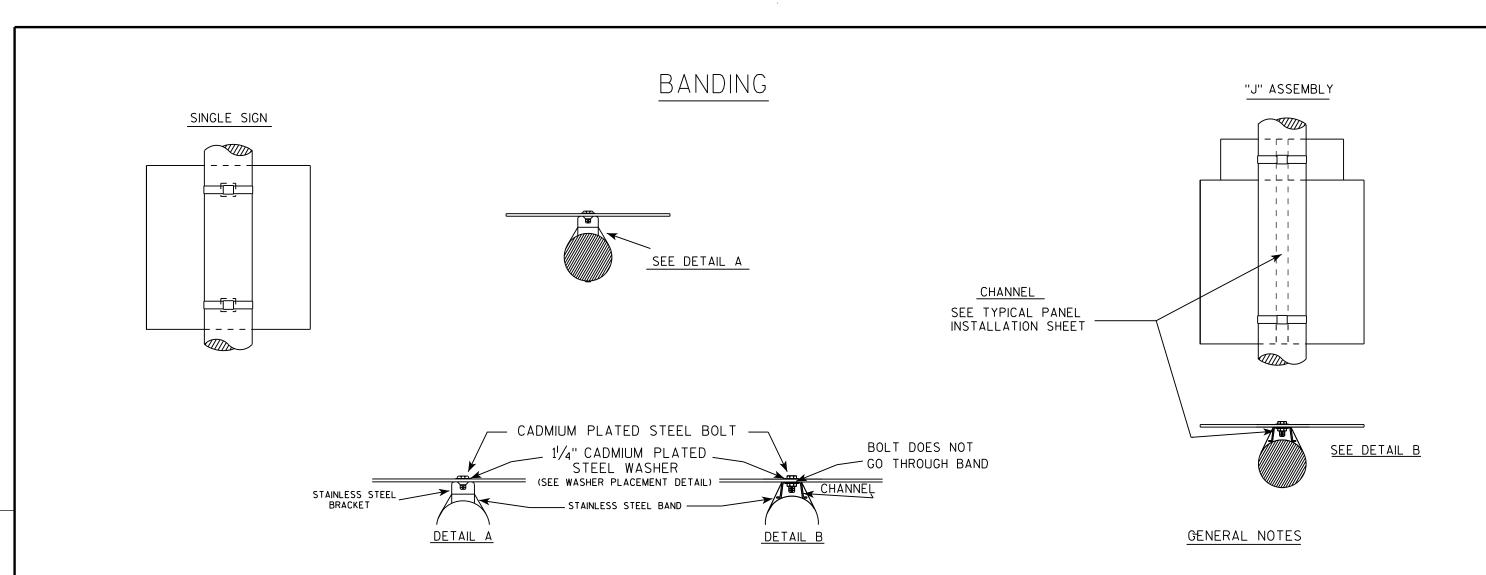
GENERAL NOTES

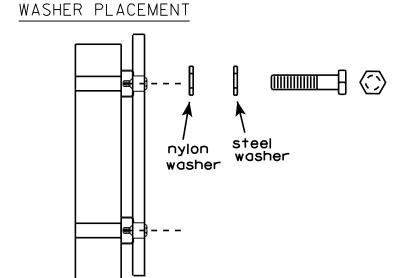
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE $\frac{7}{16}$ " DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION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

| SIGN WIDTH | STRINGER WIDTH | POSTS | HOLE SPACING | | | | NTING OLES | | | |
|---------------|-------------------|-------|-----------------|--------|-------------------------------------|--------|-----------------|-------------|-------|-------|
| 78" | 72" | 2 | 16'' | 15'' | 31'' | 47'' | 63" | | | |
| 84'' | 72" | 2 | 17'' | 161/2" | 331/2" | 501/2" | 6 7 1/21 | | | |
| 90" | 7 2" | 2 | 18'' | 18'' | 36'' | 54'' | 72'' | | | |
| 96" | 90" | 2 | 19" | 191/2" | 381/2'' | 571/2" | 761/21 | | | |
| 102" | 90" | 2 | 20" | 21'' | 41'' | 61'' | 81'' | | | |
| 108'' | 90" | 2 | 21'' | 221/21 | ' 43 ^l / ₂ '' | 641/2" | 851/21 | 1 | | |
| 114'' | 108'' | 3 | 15'' | 12'' | 2 7 '' | 42" | 5 7 " | 7 2" | 87" | 102" |
| 120'' | 108'' | 3 | 16'' | 12'' | 28'' | 44'' | 60" | 76" | 92" | 108'' |
| 126" | 108'' | 3 | 17'' | 12'' | 29" | 46'' | 63" | 80" | 97" | 114'' |
| 132" | 126'' | 3 | 18'' | 12'' | 30" | 48" | 66" | 84" | 102" | 120'' |
| 138'' | 126'' | 3 | 19'' | 12'' | 31'' | 50" | 69" | 88" | 107'' | 126" |
| 144'' | 126'' | 3 | 20" | 12'' | 32" | 52" | 72" | 92" | 112'' | 132" |



PLOT BY: mscj9h





HWY:

WASHERS (ALL POSTS) -

COUNTY:

1-1/4" O.D. X3/8" I.D. X1/16" STEEL 1-1/4" O.D. X3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

PLOT BY: mscsja

- 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 $\frac{3}{4}$ " in width and 0.025" thickness.

STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 8/16/13

SHEET NO:

State Traffic Engineer

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A59.DGN

PROJECT NO:

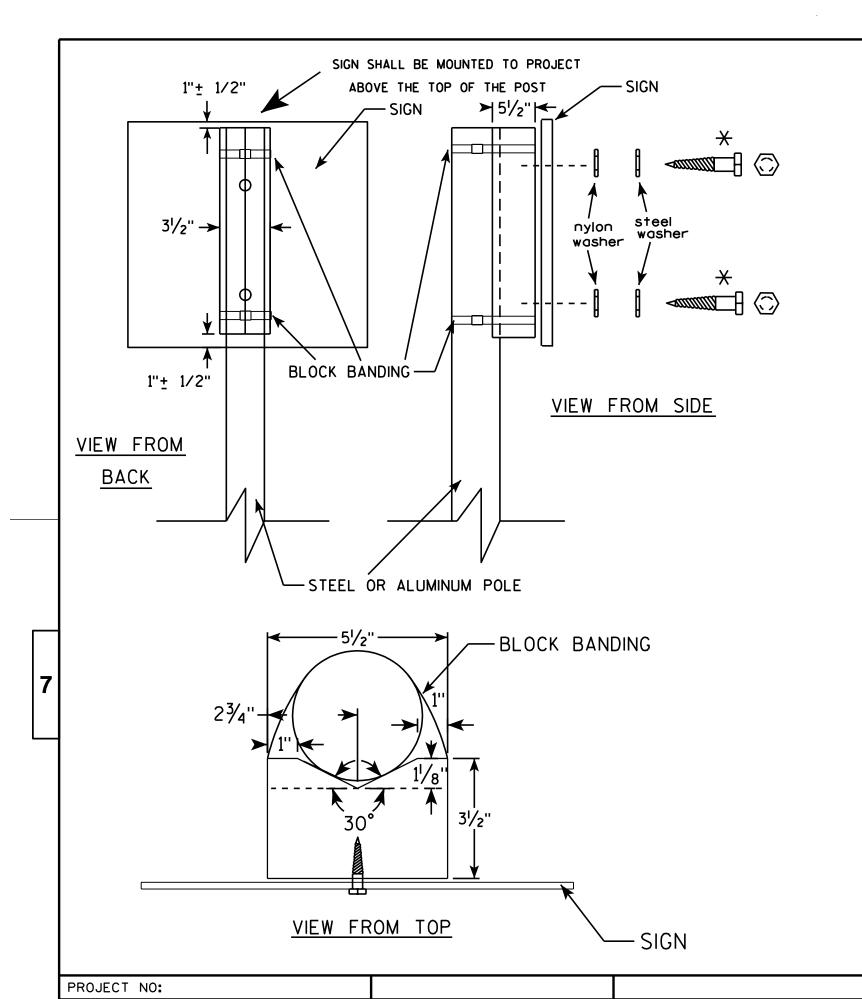
PLOT DATE: 16-AUG-2013 13:27

PLOT NAME :

PLOT SCALE: 33.740899:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. A5-9.3



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, 3/4" 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 11/4" O.D. X 3/8" I.D. X 1/16"
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

X LAG BOLTS SHALL BE 3/8" X 21/2"

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

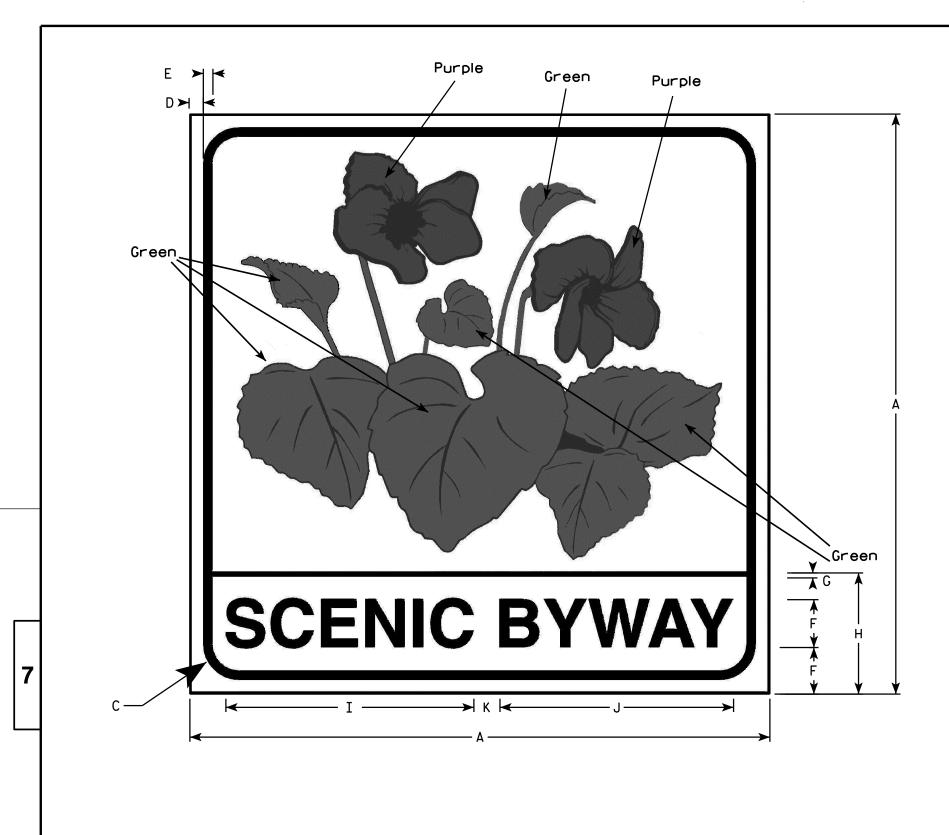
APPROVED

For State Traffic Engineer

DATE 7/12/07

PLATE NO. A5-10.1

SHEET NO:



NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White

Message - Black Except as noted
Border of Leaves and Flowers is Black

- 3. Message Series Special
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Contact WisDOT with any questions.

2 3/8 10 1/4 9 5/8 1 1/8 5/8 2 1/4 4.0 24 1 1/2 .36 3 1/4 4 7 1/2 | 15 3/8 | 14 1/2 | 1 5/8 36 **7**⁄8 5/8 3 9.0 .81 5

COUNTY:

STANDARD SIGN D6-4S

WISCONSIN DEPT OF TRANSPORTATION

State Traffic Engineer
5/09 PLATE NO. D6-4S

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Blue Message - White - Type H Reflective

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1 & 3 are series D Line 2 is series C.

E→ D7-57 Metric equivalent for this sign is:

| SIZE | | | | | |
|------|------|----|---|-----|----|
| 1 | | | | | |
| Ω | 1350 | mm | Χ | 900 | mm |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |

STATE PROJECT NUMBER:

| | • | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|------|----|----|-------|---|-----|---|---|-----|-------|-------|-------|------|--------|---|---|---|----|---|---|---|---|---|---|---|---|---|-----------------|------------|
| | SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | Q | R | S | Т | U | ٧ | W | Х | Y | Z | Area sq. ft. | Area m2 |
| ø. | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 54 | 36 | 2 1/4 | | 3/4 | 6 | 4 | 5 ½ | 4 1/4 | 3 1/2 | 4 3/4 | 17 % | 21 1/2 | 8 | 5 | 1 | 12 | | | | | | | | | | 13.5 | 1.22 |
| 5,6, | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 3. | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - NO | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | | | • | • | • | • | • | | | | • | • | | | • | • | • | • | • | | • | • | • | | • | • | • | | |

STANDARD SIGN D7-57

WISCONSIN DEPT OF TRANSPORTATION

DATE 1/10/02 PLATE NO. <u>D7-57.5</u>

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\D757.DGN

PLOT DATE: 22-JAN-2002 08:10

ORG DATE : 5/22/97

Originator : Don Kluever

WISDOT/CADDS SHEET 42

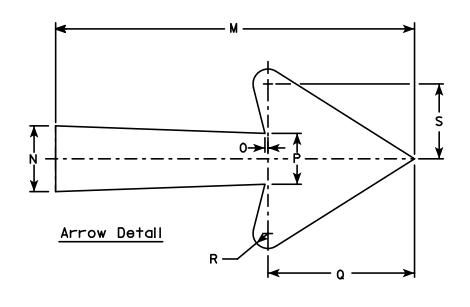
Ε

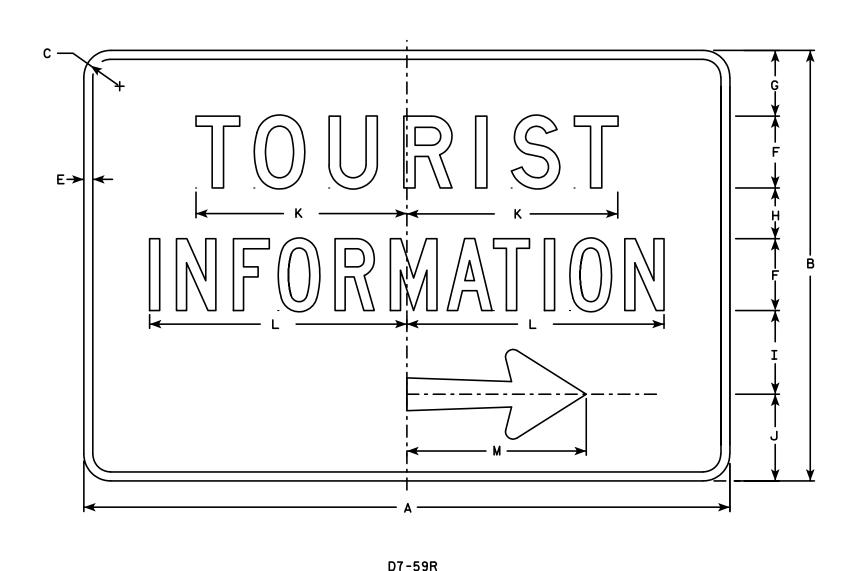


- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Blue Message - White - Type H Reflective

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 are series D Line 2 is series C
- 6. D7-59L is same as D7-59R except the arrow is reversed.





Metric equivalent for this sign is:

| 1 | | | | | |
|------|------|----|---|-----|----|
| 2 | 1350 | mm | X | 900 | mm |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| SIZE | Α | В | | С | |

| - 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------|------|-------|---------|-------|-----|---|-------|-------|---|-------|--------|--------|----|-------|-----|-------|-------|-----|-------|---|---|---|---|---|---|---|-----------------|------------|
| | IZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | Q | R | S | Т | U | V | W | Х | Υ | Z | Areg eq. ff. | Area #2 |
| 9. | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 54 | 36 | 2 1/4 | | 3/4 | 6 | 5 1/2 | 4 1/4 | 7 | 7 1/4 | 17 5/8 | 21 1/2 | 15 | 2 3/4 | 1/8 | 2 1/8 | 6 1/8 | 5/8 | 3 1/8 | | | | | | | | 13.5 | 1.22 |
| 5.6. | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.3. | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - NO | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VELS | C T A | TE D | ם ובר | T NUN | ADED. | • | - | | | | ! | | ! | | ! | | | | | 1 | | ! | ! | | | | | • | |
| 4 3 | O I A | | KOJEC | , I NUN | IDER: | | | | | | | | | | | | | | | | | | | | | | | | |

STANDARD SIGN D7-59

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Cheste J Span

For State Traffic Engineer

DATE 1/11/02 PLATE NO. D7-59.6

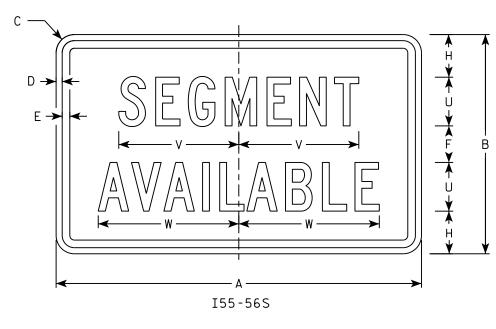
SHEET NO:



- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - (See Note 4)

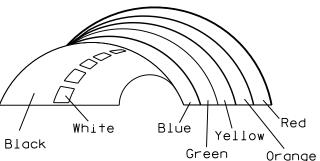
- 3. Message Series (See Note 5)
- 4. Border Blue Adopt a Highway - Red All other Text - Blue
- 5. Adopt a Highway Dutch 8011L All other Text Series C
- 6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.





I55-56P

Background Colors of Symbol*



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

| IZE | Α | В | U | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | Q | R | S | Т | U | V | W | Х | Υ | Z | Area sq. ft. |
|-----|----|----|-------|-----|-----|---|---|-------|-------|---|---|-------|--------|--------|-------|-------|---|-----|--------|-------|---|-------|--------|---|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 3 | 30 | 18 | 1 1/2 | 1/2 | 5/8 | 3 | 2 | 3 1/2 | 2 3/4 | 1 | 8 | 2 1/2 | 11 1/4 | 11 1/8 | 9 3/8 | 1 1/4 | | 3/4 | 12 5/8 | 7 1/2 | 4 | 9 1/8 | 11 1/2 | | | | 3.75 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* VARIES

STANDARD SIGN I55-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED ______

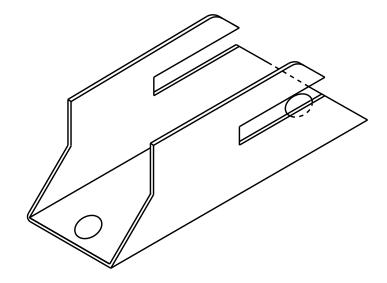
For State Traffic Engineer

DATE 2/20/18 PLATE NO. 155-56.4

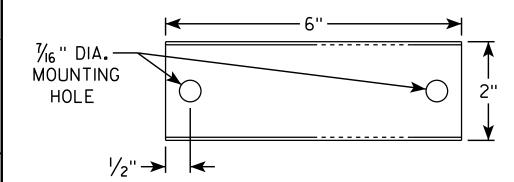
SHEET NO:

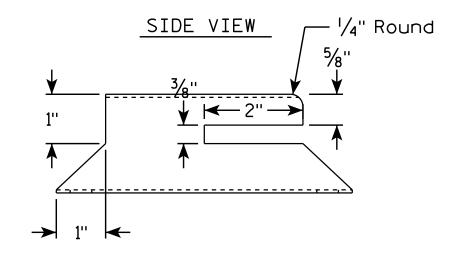
PLOT SCALE : 7.880043:1.000000

ISOMETRIC VIEW



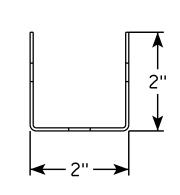
TOP VIEW





HWY:

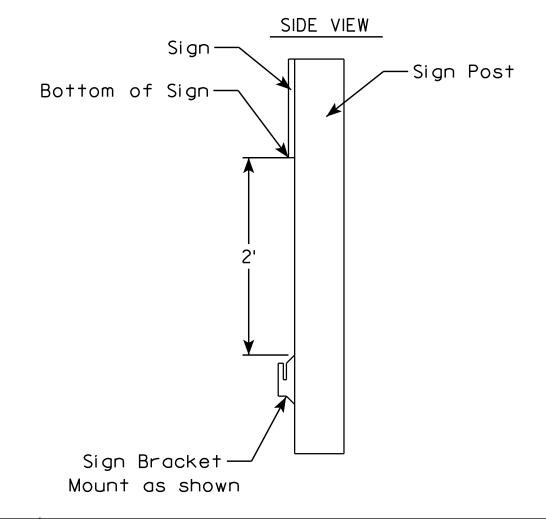
END VIEW



COUNTY:

NOTES

- Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
- 2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
- 3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
- 4. Shall have rounded edges with at least $\frac{1}{8}$ " radii.
- 5. Shall not have unrounded and uncoated metaledges which can contact the back surface of the roll-up sign.
- 6. Top of bracket shall be mounted 2' below the bottom of the 155-56 sign.
- 7. Cost of bracket and fastening hardware shall be incidental to the 155-56 sign.



SHEET NO:

PROJECT NO:

PLOT BY : mscj9h

DATE 4/26/16

PLATE NO.155-56B.2

ROLLUP SIGN BRACKET

155-56B

WISCONSIN DEPT OF TRANSPORTATION

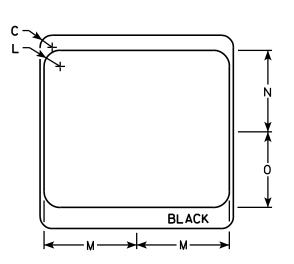
NOTES

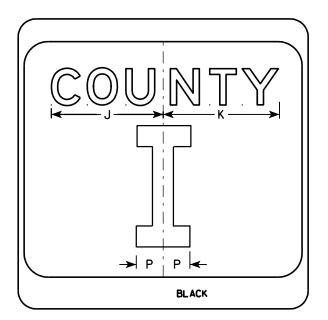
- 1. Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

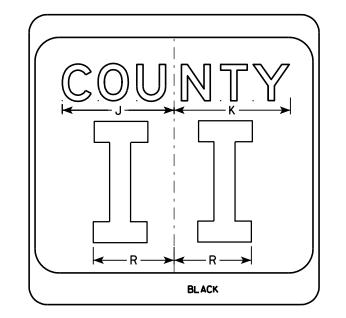
Background - White & Black - See Note 7 Message - Black

- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter. Message Series D for 2 letters unless message is too big then Series C. Message Series C for 3 letters unless message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

Background - Type H Reflective Detour or temporary Signs Background - Reflective







| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | M | N | 0 | Р | 0 | R | S | T | U | ٧ | W | X | Y | Z | Area sq. ft. |
|------|----|---|-------|---|---|----|---|-------|-------|--------|--------|---|--------|--------|-----|-------|---|-----|---|---|---|---|---|---|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 24 | | 1 1/2 | | | 10 | 3 | 5 1/8 | 4 1/8 | 9 1/4 | 9 % | 2 | 11 1/2 | 10 1/8 | 9 % | 2 1/4 | | 6 % | | | | | | | | | 4.0 |
| 3 | 36 | | 2 1/4 | | | 16 | 4 | 7 5/8 | 5 % | 12 1/4 | 12 1/8 | 3 | 17 1/8 | 15 1/4 | 14 | 3 3/8 | | 10 | | | | | | | | | 9.0 |
| 4 | 36 | | 2 1/4 | | | 16 | 4 | 7 % | 5 % | 12 1/4 | 12 1/8 | 3 | 17 1/8 | 15 1/4 | 14 | 3 % | | 10 | | | | | | | | | 9.0 |
| 5 | 36 | | 2 1/4 | | | 16 | 4 | 7 % | 5 % | 12 1/4 | 12 1/8 | 3 | 17 1/8 | 15 1/4 | 14 | 3 3/8 | | 10 | | | | | | | | | 9.0 |
| | | | | | | | | | | | | | | | | | | | _ | | | | | | | | |

COUNTY:

CTH MARKER M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M15A.DGN

PROJECT NO:

BLACK

HWY:

M1-5A

PLOT DATE: 29-SEP-2011 11:25

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 5.959043:1.000000

WISDOT/CADDS SHEET 42

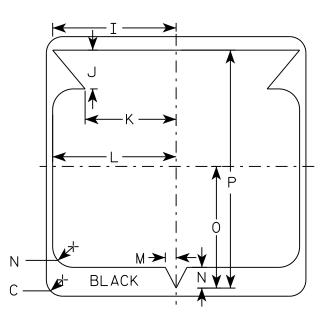
NOTES

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

- 3. Message Series D except 3 number signs Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

| | G F A H H |
|------|-----------|
| A A | |
| M1-6 | 1 |



| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | Q | R | S | Т | U | ٧ | W | Х | Y | Z | Area sq. ft. |
|------|----|---|-------|---|---|----|-------|-------|--------|-------|--------|--------|-------|-------|--------|--------|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 24 | | 1 1/2 | | | 12 | 5 1/2 | 6 1/2 | 10 1/4 | 2 1/2 | 8 1/8 | 11 1/2 | 1 | 1 1/8 | 11 1/4 | 21 1/8 | | | | | | | | | | | 4.0 |
| 3 | 36 | | 2 1/4 | | | 18 | 8 3/4 | 9 1/4 | 15 | 5 | 12 5/8 | 17 1/8 | 1 1/2 | 2 1/8 | 16 1/8 | 33 | | | | | | | | | | | 9.0 |
| 4 | 36 | | 2 1/4 | | | 18 | 8 3/4 | 9 1/4 | 15 | 5 | 12 5/8 | 17 1/8 | 1 1/2 | 2 1/8 | 16 1/8 | 33 | | | | | | | | | | | 9.0 |
| 5 | 36 | | 2 1/4 | | | 18 | 8 3/4 | 9 1/4 | 15 ¾ | 5 | 12 5/8 | 17 1/8 | 1 1/2 | 2 1/8 | 16 1/8 | 33 | | | | | | | | | | | 9.0 |

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 3/16/18

PLATE NO. <u>M1-6.10</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M16.DGN

HWY:

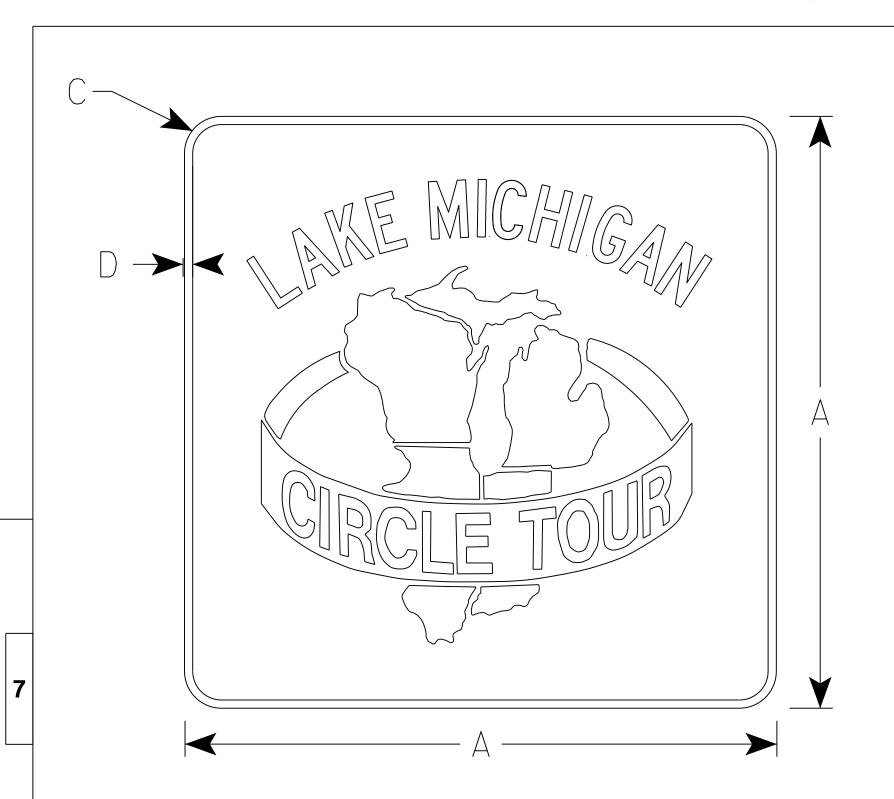
PROJECT NO:

PLOT DATE: 16-MAR-2018 14:11

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE : 6.655277:1.000000

WISDOT/CADDS SHEET 42



HWY:

NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Green Message - White - Graphics - White Circle Tour Message is Green

- 3. Message Series Special
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | Q | R | S | Т | U | ٧ | W | Х | Y | Z | Area sq. ft. | Area m2 |
|------|----|---|---|-------------------|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|------------|
| 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 24 | | | 1 1/8 | 1/2 | | | | | | | | | | | | | | | | | | | | | | 4.0 | .36 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 36 | | | 1 5/ ₈ | 3/4 | | | | | | | | | | | | | | | | | | | | | | 9.0 | .81 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN M1 - 93

WISCONSIN DEPT OF TRANSPORTATION

DATE 11/5/15 PLATE NO. M1-93.2

SHEET NO:

Ε

PROJECT NO:

NOTES

- 1. Sign is Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M2-1 Background White

Message – Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

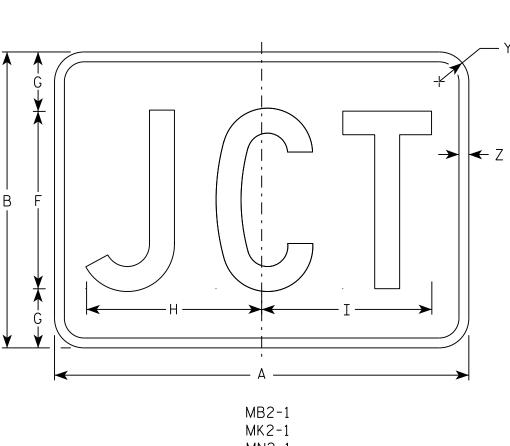
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



7

MN2-1

MR2-1

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | J | V | W | X | Υ | Z | Area sq. ft. |
|------|----|----|-------|-----|-----|----|---|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|-----|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 21 | 15 | 1 1/8 | 3/8 | 3/8 | 9 | 3 | 8 1/8 | 8 % | | | | | | | | | | | | | | | | 1 1/2 | 1/2 | 2.20 |
| 3 | 30 | 21 | 1 1/8 | 3/8 | 3/8 | 13 | 4 | 12 1/8 | 12 3/8 | | | | | | | | | | | | | | | | 1 1/2 | 1/2 | 4.40 |
| 4 | 30 | 21 | 1 1/8 | 3/8 | 3/8 | 13 | 4 | 12 1/8 | 12 3/8 | | | | | | | | | | | | | | | | 1 1/2 | 1/2 | 4.40 |
| 5 | 30 | 21 | 1 1/8 | 3/8 | 3/8 | 13 | 4 | 12 1/8 | 12 3/8 | | | | | | | | | | | | | | | | 1 1/2 | 1/2 | 4.40 |

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

DATE 10/15/15

PLATE NO. M2-1.12
HEET NO: E

SHEET NO:

PROJECT NO:

M2-1

HWY:

MM2-1

MP2-1





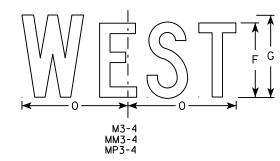


MP3-1









HWY:



NOTES

- 1. All Signs Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

5. M3-1 thru M3-4 Background - White Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

6. Note the first letter of each direction is larger than the remainder of the message.

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | Т | U | V | W | Х | 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 1/8 | 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 |

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 **SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 10/15/15 PLATE NO. M3-1.14

Ε

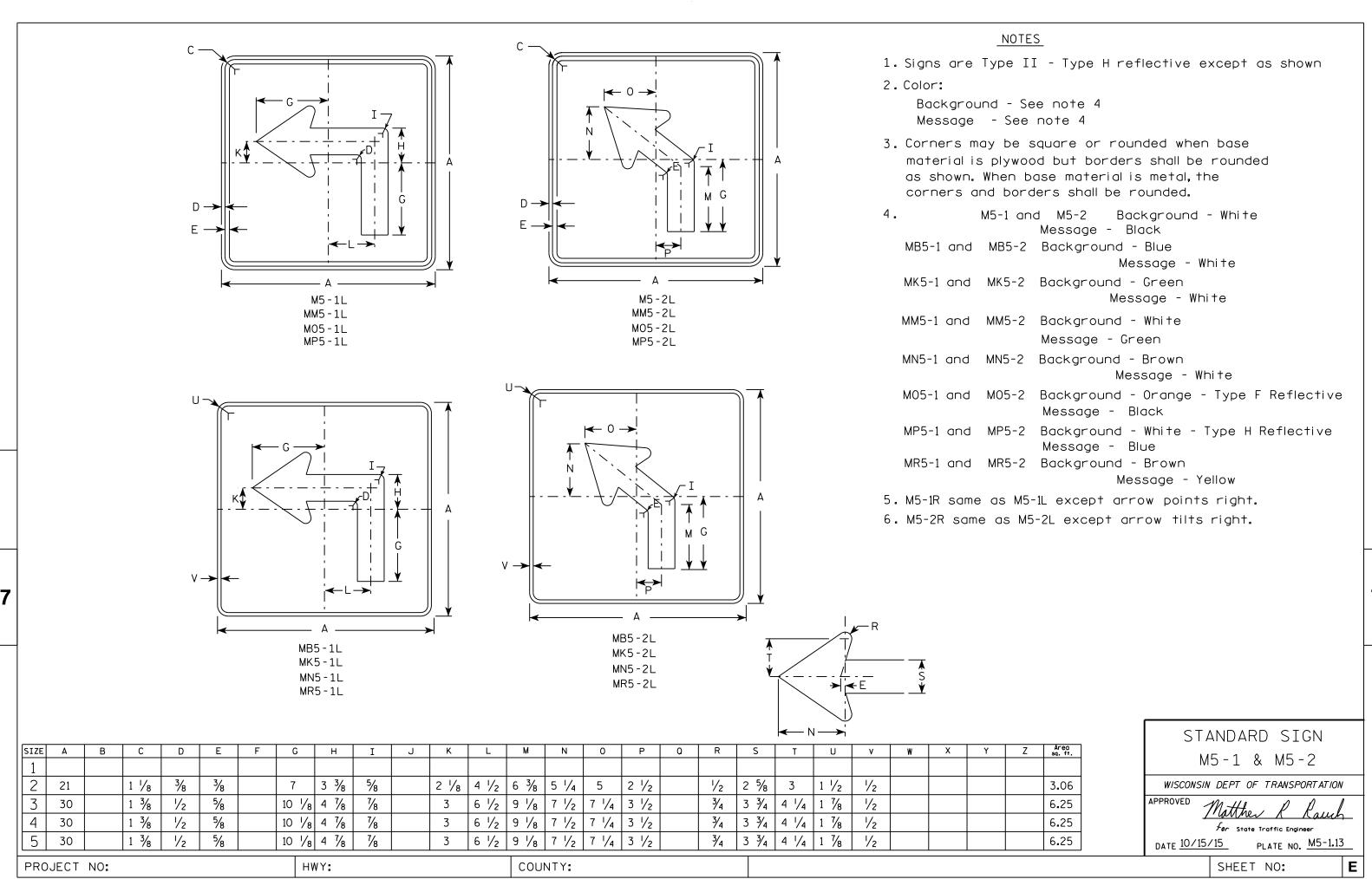
SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :



FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ DIOTUSET \$\$ PINT NAMF :

PLOT SCALE . 11 675051.1 000000







MR6-1

HWY:



NOTES

- 1. Signs are Type II Type H except as Shown
- 2. Color:

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-1 and M6-2 Background White

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 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



| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | ٥ | R | S | T | U | ٧ | W | Х | Y | Z | Area sq. ft. |
|------|----|---|-------|-----|-----|---|--------|--------|-----|-------|-------|-------|-------|-------|-----|---|---|---|---|---|-------|-----|---|---|---|---|-----------------|
| 1 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 21 | | 1 1/8 | 3/8 | 3/8 | | 7 1/2 | 7 1/8 | 5 % | 5 | 4 1/4 | 5 1/4 | 3 | 2 % | 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 1/8 | 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 1/8 | 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 1/8 | 1/2 | | | | | 6.25 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raw

Ε

DATE 10/15/15 PLATE NO. M6-1.15

SHEET NO:

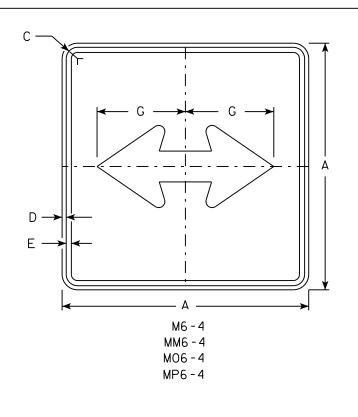
FILE NAME . C.\CAFfiles\Projects\tr stdolate\M61 DCN

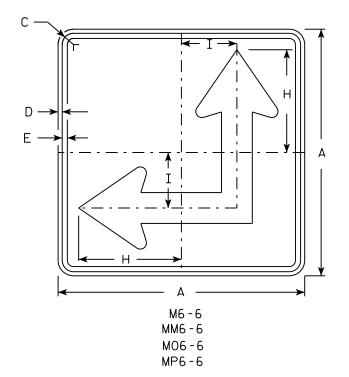
PROJECT NO:

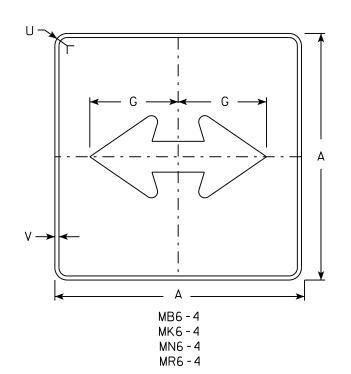
PLOT DATE . 01-DEC-2015 17:57

PLOT RY . \$\$ plotuser \$\$ PLOT NAMF :

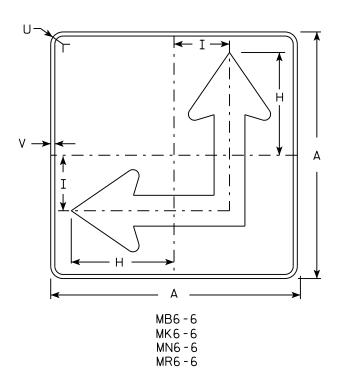
PLOT SCALE . 11 675051.1 000000







HWY:



NOTES

- 1. Signs are Type II Type H except as Shown
- 2. Color:

Background - See Note 4 Message - See Note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-4 and M6-6 Background White Message Black

MB6-4 and MB6-6 Background - Blue

Message - White

MK6-4 and MK6-6 Background - Green

Message - White

MM6-4 and MM6-6 Background - White

Message - Green

MN6-4 and MN6-6 Background - Brown

Message - White

M06-4 and M06-6 Background - Orange - Type F Reflective

Message – Black

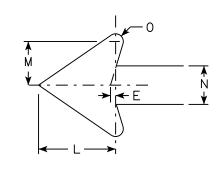
MP6-4 and MP6-6 Background - White

Message - Blue

MR6-4 and MR6-6 Background - Brown

Message - Yellow

5. M6-6R same as M6-6L except arrow points ahead and right.



| I — | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|---|-----|-----|-----|-----|---|--------|--------|-------|---|---|-------|-------|-------|-----|---|---|---|---|---|-------|-----|---|---|---|---|-----------------|
| SIZ | E A | В | _ C | | D | Ε | F | G | Н | I | J | K | L | М | N | 0 | Р | Q | R | S | T | U | ٧ | W | X | Y | Z | Area sq. ft. |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 21 | | 1 , | /8 | 3/8 | 3/8 | | 7 1/2 | 8 3/4 | 4 1/4 | | | 5 1/4 | 3 | 2 % | 1/2 | | | | | | 1 1/2 | 1/2 | | | | | 3.06 |
| 3 | 30 | 0 | 1 3 | 3/8 | 1/2 | 5/8 | | 10 3/4 | 12 1/2 | 6 3/4 | | | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 | | | | | | 1 1/8 | 1/2 | | | | | 6.25 |
| 4 | 30 | 0 | 1 3 | 3/8 | 1/2 | 5/8 | | 10 3/4 | 12 1/2 | 6 3/4 | | | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 | | | | | | 1 1/8 | 1/2 | | | | | 6.25 |
| 5 | 30 | 0 | 1 3 | 3/8 | 1/2 | 5/8 | | 10 3/4 | 12 1/2 | 6 3/4 | | | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 | | | | | | 1 1/8 | 1/2 | | | | | 6.25 |
| | | | | | | | | | | | | | | _ | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauh

For State Traffic Engineer

DATE 10/15/15

15 PLATE NO. M6-4.10

SHEET NO: **E**

FILE NAME · C·\CAFfiles\Projects\tr stdolote\M64 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:58

PLOT RY . \$\$ plotuser \$\$ PLOT NAMF :

PLOT SCALE . 11 675051.1 000000



- 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

| * | | | | | | | | — А — ; | | | | | | | | | | | A | |
|----------|---|---|---|---|---|---|---|---|----|---|---|-------|---|---|---|---------|---|---|----------|---|
| | | | | | | | | | H | | | - G - | | | | | | | F | A |
| | | E | | | | | | | -1 | | | _// | | | | | | | | * |
| D | E | F | G | н | I | J | К | L | М | N | 0 | Р | 0 | R | S | Т | U | V | W | Х |

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | W | Х | Y | Z | Area sq. ft. |
|------|----|---|---|---|-----|----|--------|-----|---|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 30 | | | | 5/8 | 10 | 12 1/2 | 45° | | 12 3/4 | | | | | | | | | | | | | | | | | 5.18 |
| 2S | 30 | | | | 5/8 | 10 | 12 1/2 | 45° | | 12 3/4 | | | | | | | | | | | | | | | | | 5.18 |
| 2M | 36 | | | | 3/4 | 12 | 15 | 45° | | 15 3/8 | | | | | | | | | | | | | | | | | 7.46 |
| 3 | 36 | | | | 3/4 | 12 | 15 | 45° | | 15 3/8 | | | | | | | | | | | | | | | | | 7.46 |
| 4 | 48 | | | | 1 | 16 | 20 | 45° | | 20 1/2 | | | | | | | | | | | | | | | | | 13.25 |
| 5 | 48 | | | | 1 | 16 | 20 | 45° | | 20 1/2 | | | | | | | | | | | | | | | | | 13.25 |
| 6 | 18 | | | | 3/8 | 6 | 7 3/4 | 45° | | 7 3/4 | | | | | | | | | | | | | | | | | 1.86 |
| 7 | 12 | | | | 1/4 | 4 | 5 | 45° | | 5 1/8 | | | | | | | | | | | | | | | | | 0.78 |

COUNTY:

STANDARD SIGN R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE <u>11/12/15</u>

PLATE NO. _____R1-1.13

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN

HWY:

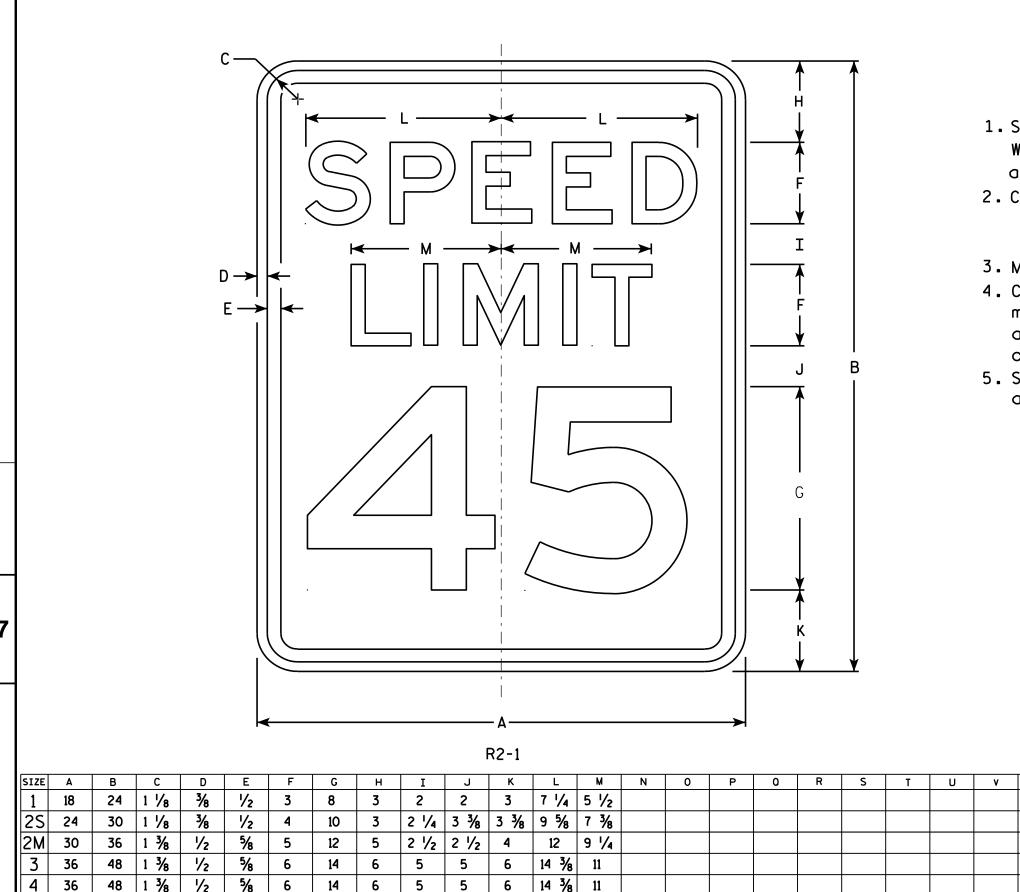
PROJECT NO:

PLOT DATE: 22-AUG-2017 07:19

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE: 4.427909:1.000000

WISDOT/CADDS SHEET 42



4 1/2 6 3/4 6 3/4 19 1/4 14 5/8

COUNTY:

20

HWY:

6

NOTES

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series E
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal. the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION APPROVED

Matther R Raus For State Traffic Engineer PLATE NO. R2-1.13

DATE <u>5/26/1</u>0

SHEET NO:

2 1/4

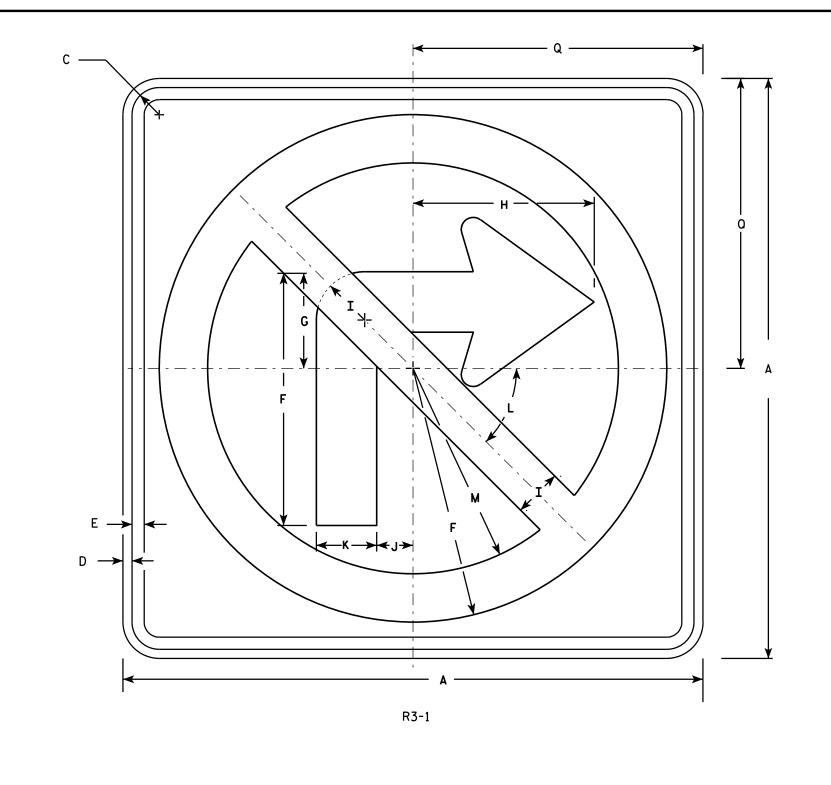
60

5

48

PROJECT NO:

PLOT NAME :

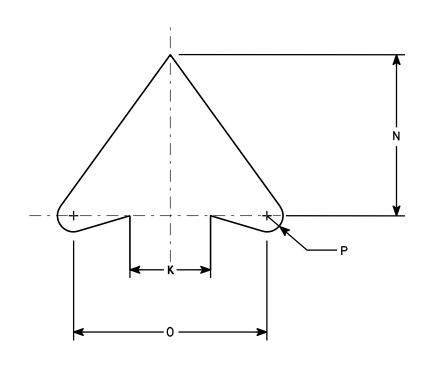


NOTES

- 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

PLOT NAME :

| IZE A | В | С | D | E | F | G | Н | I | J | К | L | М | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | Х | Y | Z | Area sq. ft. |
|-------|---|-------|-----|-----|--------|---|--------|---|-------|-------|-------------|--------|-------|----|-----|----|---|---|---|---|---|---|---|---|---|-----------------|
| 1 24 | | 1 1/8 | 3/8 | 1/2 | 10 1/2 | 4 | 7 1/2 | 2 | 1 1/2 | 2 1/2 | 45 | 8 1/2 | 5 | 6 | 1/2 | 12 | | | | | | | | | | 4.0 |
| 2S 24 | | 1 1/8 | 3/8 | 1/2 | 10 ½ | 4 | 7 1/2 | 2 | 1 1/2 | 2 1/2 | 45 ° | 8 1/2 | 5 | 6 | 1/2 | 12 | | | | | | | | | | 4.0 |
| 2M 36 | | 1 % | 5/8 | 3/4 | 15 ¾ | 6 | 11 1/4 | 3 | 2 1/4 | 3 3/4 | 45 | 12 3/4 | 7 1/2 | 9 | 3/4 | 18 | | | | | | | | | | 9.0 |
| 3 36 | | 1 % | 5/8 | 3/4 | 15 ¾ | 6 | 11 1/4 | 3 | 2 1/4 | 3 3/4 | 45 | 12 3/4 | 7 1/2 | 9 | 3/4 | 18 | | | | | | | | | | 9.0 |
| 4 36 | | 1 % | 5/8 | 3/4 | 15 ¾ | 6 | 11 1/4 | 3 | 2 1/4 | 3 3/4 | 45° | 12 3/4 | 7 1/2 | 9 | 3/4 | 18 | | | | | | | | | | 9.0 |
| 5 48 | | 2 1/4 | 3/4 | 1 | 21 | 8 | 15 | 4 | 3 | 5 | 45° | 17 | 10 | 12 | 1 | 24 | | | | | | | | | | 16.0 |

STANDARD SIGN R3-1

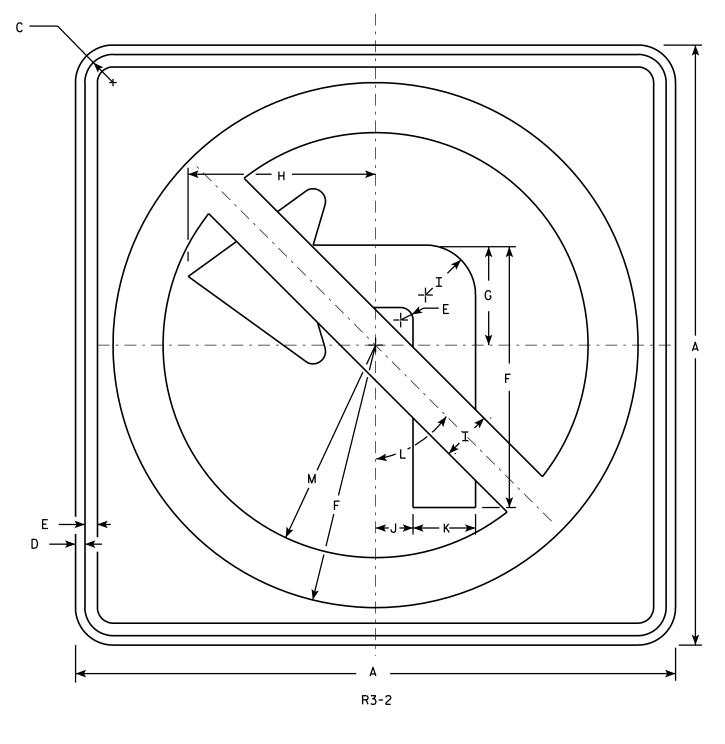
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthe

DATE 12/08/10

PLATE NO. __R3-1.5

SHEET NO:

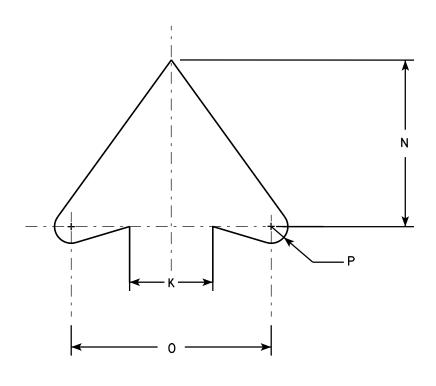


<u>NOTES</u>

- 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 | Α | В | С | D | Е | F | G | Н | Ι | J | K | L | M | N | 0 | Р | 0 | R | S | T | U | ٧ | ₩ | × | 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 | 3/4 | 15 ¾ | 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 | 3/4 | 15 ¾ | 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 ¾ | 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 |

COUNTY:

STANDARD SIGN R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DVED Matthew & Raul

 f_{or} State Traffic Engineer 12/08/10 PLATE NO. R3-2.10

DATE 12/08/10 PL

SHEET NO:

HWY:

PROJECT NO:

PLOT BY: dotsja



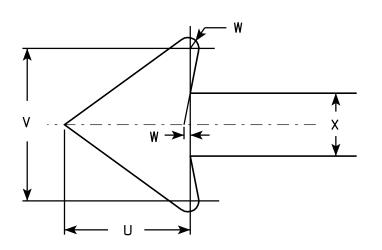
- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

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)



R7-1

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | M | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | X | Y | Z | Area sq. ft. |
|------|----|----|-------|-----|-----|---|-------|-------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|---|---|-----------------|
| 1 | 12 | 18 | 1 1/8 | 3/8 | 3/8 | 3 | 1 % | 2 | % | 5/8 | 1 1/2 | 2 1/2 | 2 | 2 | 4 % | 4 1/8 | 2 1/4 | 2 1/8 | 2 1/2 | 3 % | 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 % | 7 1/8 | 7 | 2 3/4 | 2 % | 3 1/8 | 5 % | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ROVED

Matthew Rauch

For State Traffic Engineer

DATE 3/31/2011

1 PLATE NO. R7-1.9
SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.DGN

HWY:

PROJECT NO:

PLOT DATE: 31-MAR-2011 09:20

PLOT BY: mscsja

PLOT NAME :

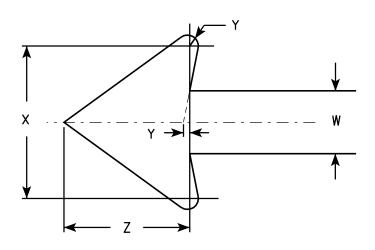
PLOT SCALE: 3.476110:1.000000



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Red

- 3. Message Series See Note 6
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5.R7-51D (double arrow) R7-51R (right arrow) R7-51L (left arrow)
- 6. Lines 1, 3 and 4 are Series C. Line 2 is Series B.



ARROW DETAIL

| | | | | | | | | | | | | 01 | | | | | | | | | | | | | | | |
|------|----|----|-------|-----|-----|---|-------|-------|----------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | M | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | X | Y | Z | Area sq. ft. |
| 1 | 12 | 18 | 1 1/8 | 3/8 | 3/8 | 3 | 1 1/8 | 2 | % | 5/8 | 1 1/2 | 2 1/2 | 2 | 2 | 4 1/8 | 4 % | 4 % | 5/8 | 1 3/4 | 2 1/2 | 4 3/8 | 3 % | 3/4 | 1 3/4 | 1/8 | 1 1/2 | 1.5 |
| 2S | 18 | 24 | 1 1/8 | 3/8 | 1/2 | 4 | 2 1/2 | 2 1/2 | 1 1/4 | 1 | 2 | 3 1/4 | 2 3/4 | 2 % | 7 1/8 | 7 | 5 3/4 | 1 1/8 | 1 1/2 | 3 1/8 | 5 1/2 | 5 % | 1 1/8 | 2 % | 1/4 | 2 1/4 | 3.0 |
| 2M | 24 | 30 | 1 1/8 | 3/8 | 1/2 | 5 | 3 | 3 | 2 | 1 1/4 | 2 1/2 | 4 | 3 1/4 | 3 % | 9 1/4 | 9 1/4 | 7 1/8 | 1 1/4 | 2 | 3 3/4 | 6 1/2 | 7 3/4 | 1 1/2 | 3 1/2 | 1/4 | 3 | 5.0 |
| 3 | 24 | 30 | 1 1/8 | 3/8 | 1/2 | 5 | 3 | 3 | 2 | 1 1/4 | 2 1/2 | 4 | 3 1/4 | 3 % | 9 1/4 | 9 1/4 | 7 1/8 | 1 1/4 | 2 | 3 3/4 | 6 1/2 | 7 3/4 | 1 1/2 | 3 1/2 | 1/4 | 3 | 5.0 |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Hatther R Rauch

SHEET NO:

DATE 3/31/2011

PLATE NO. R7-51.6

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R751.DGN

PROJECT NO:

HWY:

PLOT DATE: 31-MAR-2011 11:28

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 3.476110:1.000000

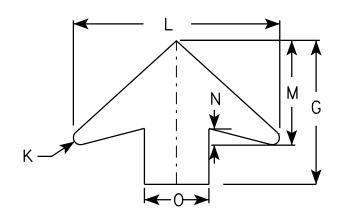
00 S3-1

NOTES

- 1. All Signs Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - YELLOW-GREEN Message - BLACK except as noted Circles except PEDS- RED BACKGROUND

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



| RROW | DFTAII |
|------|--------|

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | X | Y | Z | Area sq. ft. |
|------|----|---|-------|-----|-----|-------|--------|--------|-------|-------|-------------------------|--------|-------|-------|---|-------|---|--------|-------|--------|---|---|---|---|---|---|-----------------|
| 1 | 30 | | 1 3/8 | 1/2 | 5/8 | 6 1/4 | 11 1/4 | 12 1/2 | 5 1/4 | 5 ½ | 1/2 | 16 | 8 | 1 1/4 | 5 | 1 1/2 | | 6 % | 5 % | 10 % | | | | | | | 6.25 |
| 2 | 36 | | 1 % | 5/8 | ₹4 | 7 1/2 | 13 1/2 | 15 1/8 | 6 1/4 | 6 1/2 | 5/8 | 19 1/4 | 9 3/4 | 1 % | 6 | 1 1/8 | | 7 1/8 | 6 3/8 | 12 3/8 | | | | | | | 9.0 |
| 3 | 48 | | 2 1/4 | 3/4 | 1 | 10 | 17 1/8 | 20 1/8 | 8 % | 8 3/4 | 7 ⁄8 | 25 % | 13 | 2 | 8 | 2 1/2 | | 10 1/2 | 8 1/2 | 16 1/2 | | | | | | | 16.0 |
| 4 | 48 | | 2 1/4 | ₹4 | 1 | 10 | 17 1/8 | 20 1/8 | 8 % | 8 ¾ | 1 / ₈ | 25 % | 13 | 2 | 8 | 2 1/2 | | 10 1/2 | 8 1/2 | 16 1/2 | | | | | | | 16.0 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STANDARD SIGN S3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE <u>6/8/10</u>

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\S31.DGN

PROJECT NO:

PLATE NO. <u>\$3-1.6</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

| A P N N S N N S N N N N N N N N N N N N N |
|---|
| A1_1L/ |

| SIZE | Α | В | С | D | E | F | G | Н | I | J | К | L | М | N | 0 | Р | 0 | R | S | T | U | V | W | X | Y | Z | Area sq. ft. |
|---------|----|---|-------|-----|-----|---|-------|-------|-------|-------|-------|-------|---|-----|--------|--------|---|-------|-------|---|---|---|---|---|---|---|-----------------|
| 1 | 24 | | 1 1/8 | 3/8 | 1/2 | | 3 | 3 1/2 | 7 3/4 | 5 | 2 1/2 | 7/8 | 4 | 1/2 | 7 | 9 1/2 | | 5/8 | 3 1/4 | | | | | | | | 4.0 |
| 1 2S | 36 | | 1 5/8 | 5/8 | 3/4 | | 4 1/2 | 5 1/4 | 11 % | 7 1/2 | 3 % | 1 1/4 | 6 | 3/4 | 10 1/2 | 14 1/4 | | 1 | 4 1/8 | | | | | | | | 9.0 |
| 2M 3 | 36 | | 1 5/8 | 5/8 | 3/4 | | 4 1/2 | 5 1/4 | 11 % | 7 1/2 | 3 % | 1 1/4 | 6 | 3/4 | 10 1/2 | 14 1/4 | | 1 | 4 1/8 | | | | | | | | 9.0 |
| 3 | 36 | | 1 5/8 | 5/8 | 3/4 | | 4 1/2 | 5 1/4 | 11 % | 7 1/2 | 3 % | 1 1/4 | 6 | 3/4 | 10 1/2 | 14 1/4 | | 1 | 4 1/8 | | | | | | | | 9.0 |
| 4 | 48 | | 2 1/4 | 3/4 | 1 | | 6 | 7 | 15 ½ | 10 | 4 1/8 | 1 5/8 | 8 | 1 | 14 | 19 | | 1 1/4 | 6 1/2 | | | | | | | | 16.0 |
| 5 | 48 | | 2 1/4 | 3/4 | 1 | | 6 | 7 | 15 ½ | 10 | 4 1/8 | 1 5/8 | 8 | 1 | 14 | 19 | | 1 1/4 | 6 1/2 | | | | | | | | 16.0 |

COUNTY:

STANDARD SIGN W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matth

For State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W11.DGN

HWY:

PROJECT NO:

PLOT DATE: 15-MAY-2012 13:47

PLOT NAME :

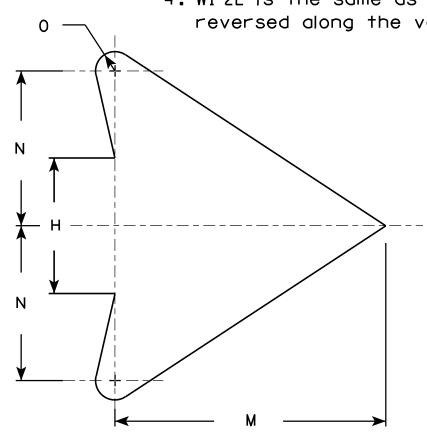
PLOT BY: mscsja

PLOT SCALE: 7.939035:1.000000

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



| | | | | | | | | W | 1-2R | | | | | | | | | | | | | <u> </u> | 11011 | DLIA | <u></u> | | |
|------|----|---|-------|-----|-----|---|--------|-------|-------|-------|-------|--------|--------|---|-----|---|---|---|---|---|---|----------|-------|------|---------|---|-----------------|
| SIZE | Α | В | С | D | E | F | G | н | I | J | К | L | M | N | 0 | Р | 0 | R | S | Т | U | v | W | × | Y | Z | Area sq. ft. |
| 1 | 24 | | 1 1/8 | 3/8 | 1/2 | | 8 1/4 | 3 1/2 | 4 1/2 | 1 3/4 | 2 3/8 | 7 1/4 | 7 | 4 | 1/2 | | | | | | | | | | | | 4.0 |
| 25 | 30 | | 1 3/8 | 1/2 | 5/8 | | 10 1/4 | 4 3/8 | 5 % | 2 1/4 | 3 | 9 1/8 | 8 3/4 | 5 | 5/8 | | | | | | | | | | | | 6.25 |
| 2M | 36 | | 1 % | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 3/4 | 2 % | 3 1/2 | 10 1/8 | 10 1/2 | 6 | 3/4 | | | | | | | | | | | | 9.0 |
| 3 | 36 | | 1 5/8 | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 3/4 | 2 % | 3 1/2 | 10 1/8 | 10 1/2 | 6 | 3/4 | | | | | | | | | | | | 9.0 |
| 4 | 36 | | 1 5/8 | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 3/4 | 2 % | 3 1/2 | 10 1/8 | 10 1/2 | 6 | 3/4 | | | | | | | | | | | | 9.0 |
| 5 | 48 | | 2 1/4 | 3/4 | 1 | | 16 1/2 | 7 | 9 | 3 1/2 | 4 5/8 | 14 1/2 | 14 | 8 | 1 | | | | | | | | | | | | 16.0 |
| | | | | | • | · | | • | • | | | | | | | | | • | | | | | • | | | | • |

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch For State Traffic Engineer

DATE <u>5/15/12</u>

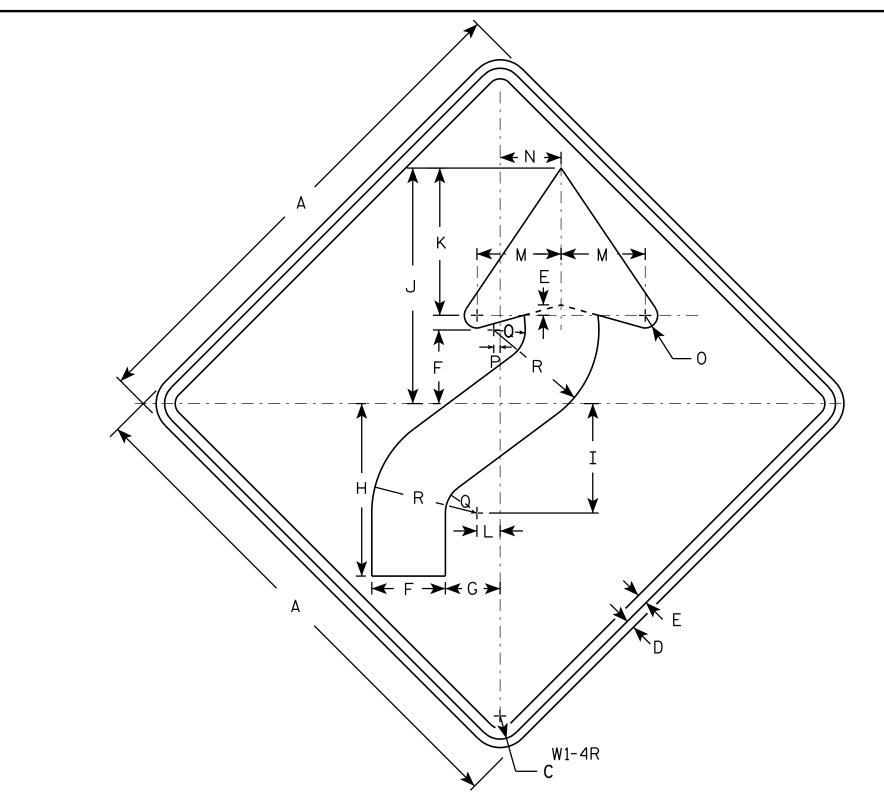
PLATE NO. W1-2.10

SHEET NO:

PROJECT NO:

← H →

HWY:



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

3 1/2 2 5/8 8 1/4 5 1/4 11 1/4 5/8 1/4 1 1/2 5 24 1 1/8 4.0 25 3 5/8 3/4 3/8 1 1/8 6 1/4 30 4 3/8 3 1/4 10 1/4 6 1/2 14 8 3/4 1 3/8 6.25 36 12 3/8 7 1/8 16 1/8 10 1/2 1 5/8 4 1/2 1 1/2 2 1/4 7 1/2 9.0 3 12 3/8 7 1/8 16 1/8 10 1/2 1 5/8 36 5 1/4 4 1/2 | 1 1/2 2 1/4 7 1/2 9.0 4 36 1 % 5 1/4 | 12 3/8 | 7 3/8 | 16 3/8 | 10 1/2 | 1 5/8 4 1/2 1 2 1/4 7 1/2 1/2 9.0 5 48 5 1/4 16 1/2 10 1/2 22 1/2 14 2 1/4 6 1 1/4 16.0

STANDARD SIGN W1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthe R Raw
For State Traffic Engineer

SHEET NO:

DATE 5/17/12

PLATE NO. W1-4.11

HWY:

COUNTY:

PLOT DATE: 17-MAY-2012 13:20 PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 5.706180:1.000000

WISDOT/CADDS SHEET 42

PROJECT NO:

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

| c | |
|--|-------|
| | G |
| K I | _ ¥ B |
| $\left[\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | |
| | |
| W1-6 | |

| SIZE | | Α | В | С | D | E | F | G | Н | I | J | K | L | M | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | Х | Y | Z | Area sq. ft. |
|------|-----|----|----|-------|-----|-----|---|----|--------|-------|-------|-------|-------|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | | 36 | 18 | 1 1/8 | 3⁄8 | 3/8 | | 9 | 10 | ¾ | 5 % | 4 3/4 | 2 3/8 | 14 % | 29 1/4 | | | | | | | | | | | | | 4.5 |
| 2S | , 4 | 48 | 24 | 1 3/8 | 1/2 | 5/8 | | 12 | 13 1/4 | 1 | 7 1/2 | 6 1/2 | 3 1/4 | 19 1/2 | 39 | | | | | | | | | | | | | 8.0 |
| 2M | 4 | 48 | 24 | 1 3/8 | 1/2 | 5/8 | | 12 | 13 1/4 | 1 | 7 1/2 | 6 1/2 | 3 1/4 | 19 1/2 | 39 | | | | | | | | | | | | | 8.0 |
| 3 | (| 60 | 30 | 1 % | 1/2 | 5/8 | | 15 | 16 1/4 | 1 1/4 | 9 1/4 | 8 | 4 | 24 3/8 | 48 3/4 | | | | | | | | | | | | | 12.5 |
| 4 | - | 60 | 30 | 1 3/8 | 1/2 | 5/8 | | 15 | 16 1/4 | 1 1/4 | 9 1/4 | 8 | 4 | 24 3/8 | 48 3/4 | | | | | | | | | | | | | 12.5 |
| 5 | 9 | 96 | 48 | 2 1/4 | 3/4 | 1 | | 24 | 26 1/2 | 2 | 15 | 13 | 6 1/2 | 39 | 78 | | | | | | | | | | | | | 32.0 |

COUNTY:

STANDARD SIGN W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Ma

For State Traffic Engineer

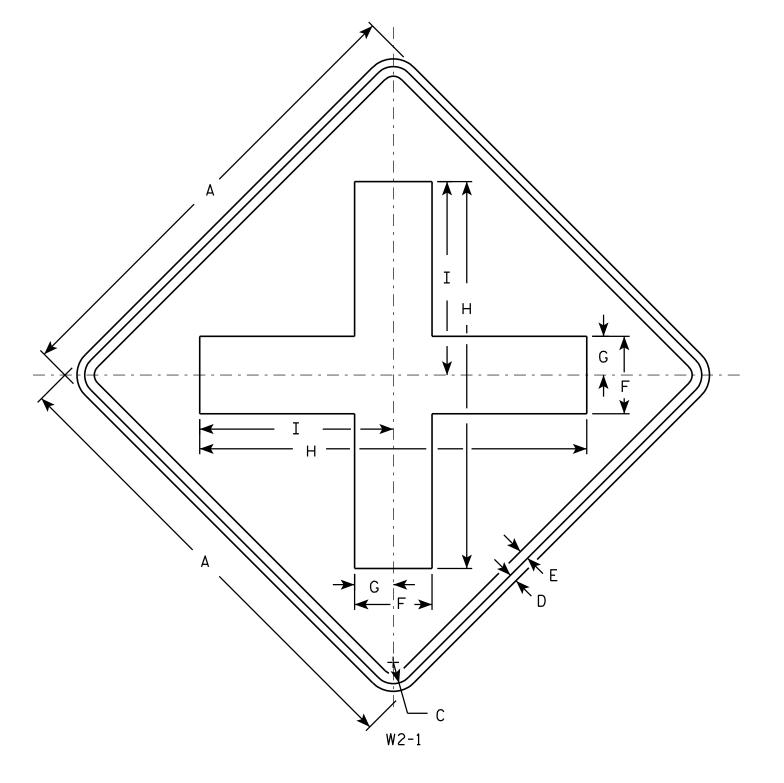
DATE 6/7/10 PLATE NO. W1-6.8

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | Х | Y | Z | Areo sq. ft. |
|------|----|---|-------|-----|-----|---|-------|----|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 24 | | 1 1/8 | 3/8 | 1/2 | 4 | 2 | 20 | 10 | | | | | | | | | | | | | | | | | | 4.0 |
| 25 | 30 | | 1 3/8 | 1/2 | 5/8 | 5 | 2 1/2 | 25 | 12 1/2 | | | | | | | | | | | | | | | | | | 6.25 |
| 2M | 30 | | 1 3/8 | 1/2 | 5/8 | 5 | 2 1/2 | 25 | 12 1/2 | | | | | | | | | | | | | | | | | | 6.25 |
| 3 | 36 | | 1 5/8 | 5/8 | 3/4 | 6 | 3 | 30 | 15 | | | | | | | | | | | | | | | | | | 9.0 |
| 4 | 48 | | 2 1/4 | 3/4 | 1 | 8 | 4 | 40 | 20 | | | | | | | | | | | | | | | | | | 16.0 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN W2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch
For State Traffic Engineer

DATE 5/29/12

PLATE NO. W2-1.9

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W21.DGN

PROJECT NO:

HWY:

PLOT DATE: 29-MAY-2012 10:10

PLOT NAM

PLOT BY: mscsja

PLOT SCALE: 6.202372:1.000000

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

| W2-2 |
|------|
|------|

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | P | 0 | R | S | T | د | V | W | X | Y | Z | Areo sq. fi. |
|------|----|---|-------|-----|-----|----|-------|---|--------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 24 | | 1 1/8 | 3∕8 | 1/2 | 20 | 2 | 4 | 10 | 8 | | | | | | | | | | | | | | | | | 4.0 |
| 25 | 30 | | 1 3/8 | 1/2 | 5/8 | 25 | 2 1/2 | 5 | 12 1/2 | 10 | | | | | | | | | | | | | | | | | 6.25 |
| 2M | 30 | | 1 3/8 | 1/2 | 5/8 | 25 | 2 1/2 | 5 | 12 1/2 | 10 | | | | | | | | | | | | | | | | | 6.25 |
| 3 | 36 | | 1 5/8 | 5/8 | 3/4 | 30 | 3 | 6 | 15 | 12 | | | | | | | | | | | | | | | | | 9.0 |
| 4 | 48 | | 2 1/4 | 3/4 | 1 | 40 | 4 | 8 | 20 | 16 | | | | | | | | | | | | | | | | | 16.0 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch For State Traffic Engineer

SHEET NO:

DATE 5/29/12

PLATE NO. <u>W2-2.6</u>

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W22.DGN

PROJECT NO:

HWY:

PLOT DATE: 29-MAY-2012 10:18

PLOT NAME :

PLOT BY: mscsja

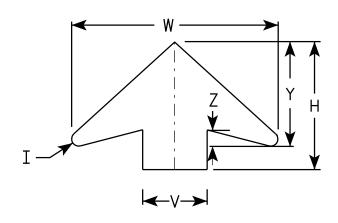
PLOT SCALE: 6.202372:1.000000

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color: *

 Background YELLOW*

 Message BLACK
- 3. Message Series C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

| SIZE | A | В | С | D | E | F | G | н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | W | × | Y | Z | Area sq. ft |
|------|----|---|-------|-----|-----|--------|--------|--------|-------------|----|-------|---|-------|----|-------|-------|-----|-------|-------|-------|----|---|--------|-----|-------|-----|----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 36 | | 1 % | 5/8 | 3/4 | 14 1/2 | 9 1/2 | 11 1/2 | 5/8 | 24 | 2 | 3 | 1 | 12 | 7 1/8 | 1 1/2 | 3/8 | 5 3/4 | 7 1/4 | 7 1/8 | 9 | 6 | 19 1/4 | 3/8 | 9 3/4 | 1 % | 9.0 |
| 2M | 36 | | 1 % | 5/8 | 3/4 | 14 1/2 | 9 1/2 | 11 1/2 | 5/8 | 24 | 2 | 3 | 1 | 12 | 7 1/8 | 1 1/2 | 3/8 | 5 3/4 | 7 1/4 | 7 1/8 | 9 | 6 | 19 1/4 | 3/8 | 9 3/4 | 1 % | 9.0 |
| 3 | 36 | | 1 % | 5/8 | 3/4 | 14 1/2 | 9 1/2 | 11 1/2 | 5/8 | 24 | 2 | 3 | 1 | 12 | 7 1/8 | 1 1/2 | 3∕8 | 5 3/4 | 7 1/4 | 7 1/8 | 9 | 6 | 19 1/4 | 3/8 | 9 3/4 | 1 % | 9.0 |
| 4 | 48 | | 2 1/4 | 3/4 | 1 | 19 1/4 | 10 3/4 | 17 3/8 | 1 /8 | 30 | 2 1/4 | 4 | 1 1/4 | 15 | 10 | 1 % | 1/2 | 8 | 9 1/4 | 9 3/8 | 12 | 8 | 25 % | 3/8 | 13 | 2 | 16.0 |
| 5 | 48 | | 2 1/4 | 3/4 | 1 | 19 1/4 | 10 3/4 | 17 3/8 | 7 /8 | 30 | 2 1/4 | 4 | 1 1/4 | 15 | 10 | 1 5/8 | 1/2 | 8 | 9 1/4 | 9 3/8 | 12 | 8 | 25 % | 3/8 | 13 | 2 | 16.0 |

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

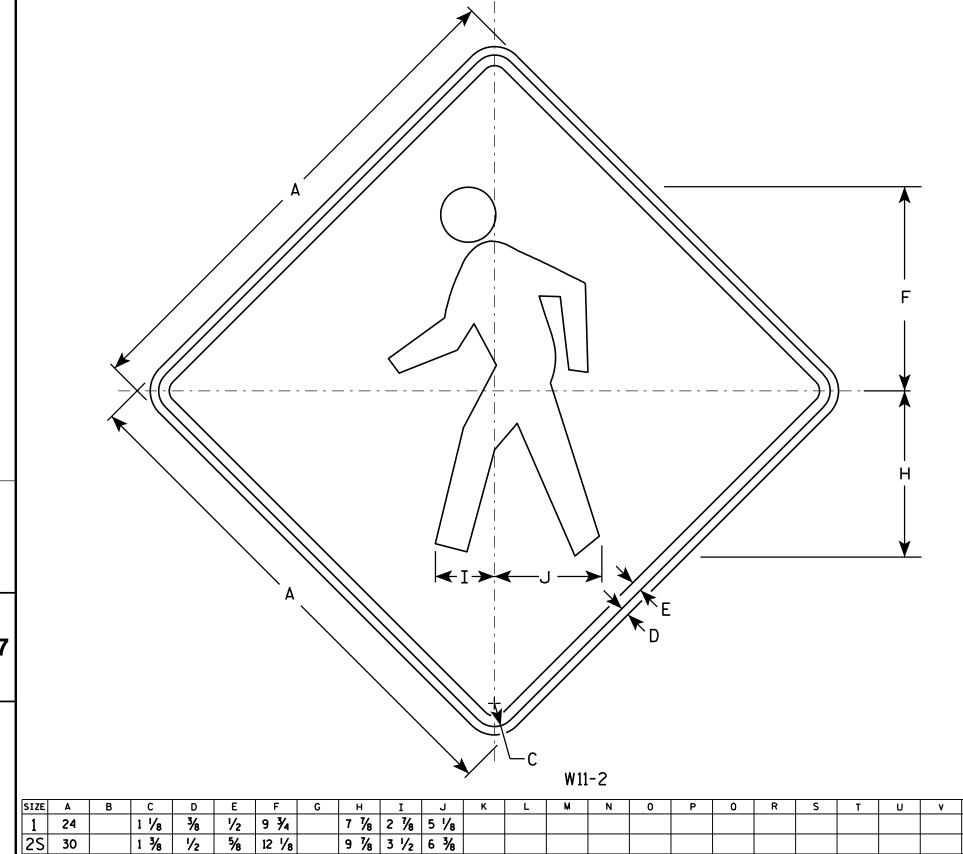
Matther R Rauch.

DATE 5/29/12 PLATE NO. W3-5.5

SHEET NO:

PROJECT NO:





<u>NOTES</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

STANDARD SIGN W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 6/7/10

PLATE NO. W11-2.7

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W112.DGN

1 1/8

1 %

2 1/4 3/4

2M

3

4 48

5

PROJECT NO:

5/8

5/8

3/4

14 1/2

3/4 14 1/2

1 19 3/8

11 1/8 4 1/4 7 5/8

11 1/8 4 1/4 7 5/8

15 3/4 5 5/8 10 1/4

HWY:

PLOT DATE: 07-JUN-2010 13:29

COUNTY:

PLOT NAME :

PLOT BY: ditjph

4.0

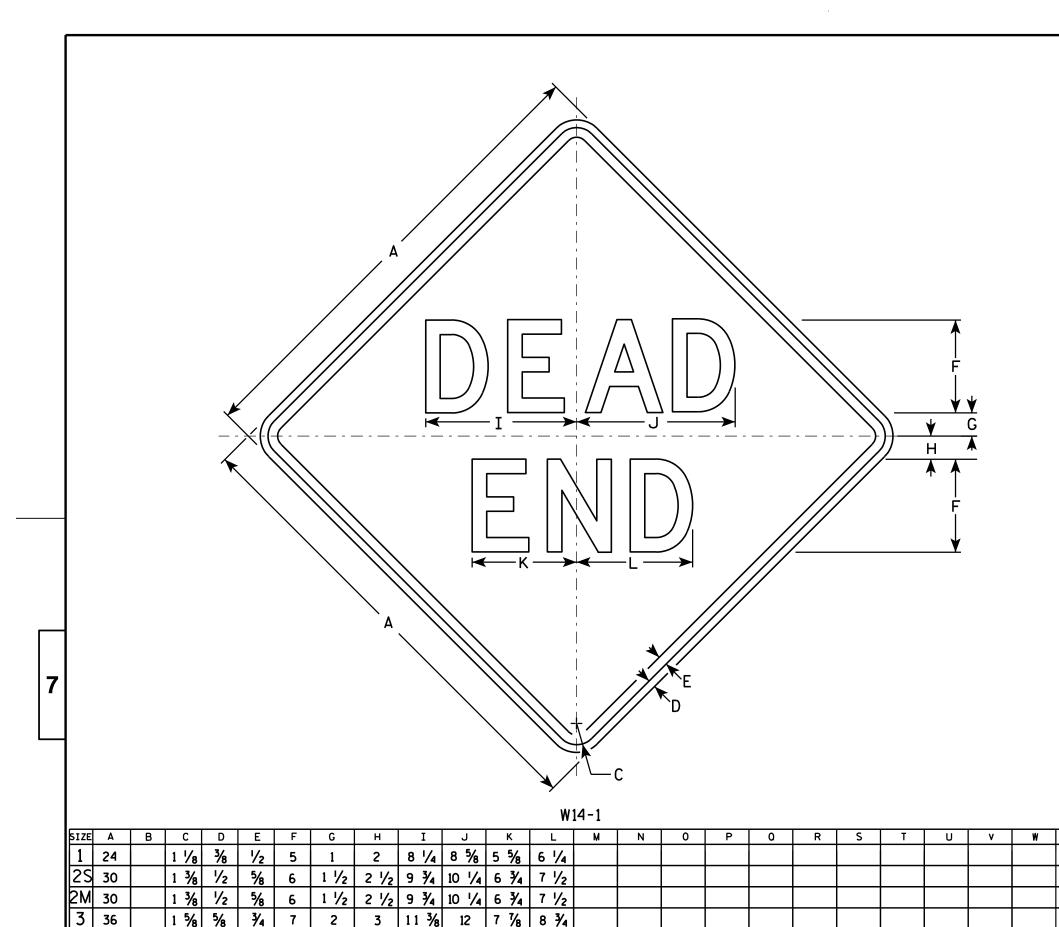
6.25

9.0

9.0

16.0

PLOT SCALE: 5.700818:1.000000



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series 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.

STANDARD SIGN W14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauh

DATE 3/13/13 PLATE NO. W14-1.7

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W141.DGN

HWY:

PROJECT NO:

PLOT DATE: 13-MAR-2013 13:30

COUNTY:

PLOT NAME :

PLOT BY: mscj9h

Z

4.0

6.25

6.25

9.0

PLOT SCALE: 6.202372:1.000000



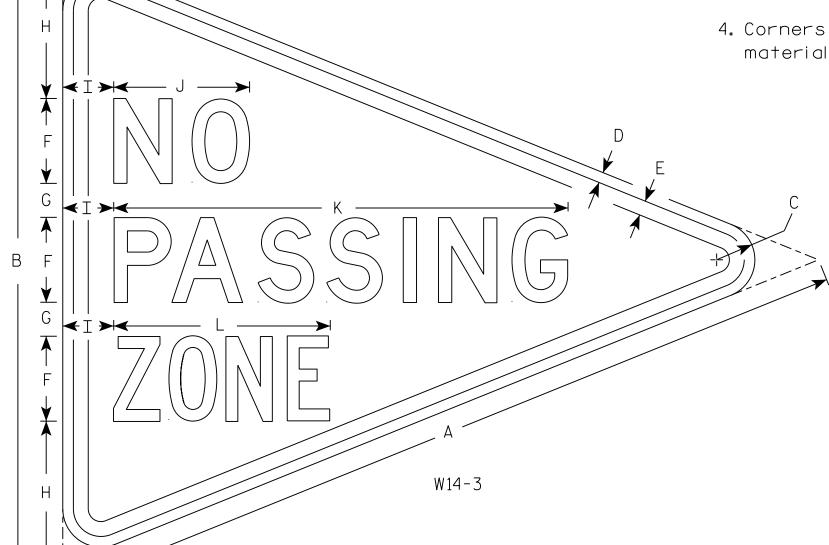
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

3. Message Series - Lines 1 and 2 are Series D. Line 3 is series C.

4. Corners and borders shall be rounded on all base materials for this sign.



| | | | , | | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|-----|-------|-----|-------------|---|---|-----|---|---|------|--------|-----|-------|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | Х | Y | Z | Area sq. ft. |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2S | 48 | 36 | 2 1/4 | 5/8 | <i>7</i> ⁄8 | 5 | 2 | 8 ½ | 3 | 8 | 26 ¾ | 12 3/4 | | | | | | | | | | | | | | | 5 . 56 |
| 2M | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRO | JECT | NO: | | | | | Н | WY: | | | | | COL | INTY: | | | | | | | | | | | | | |

STANDARD SIGN W14-3

WISCONSIN DEPT OF TRANSPORTATION

500 3/21/17

E 3/21/17 PLATE NO. W14-3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W143.DGN

PLOT DATE: 21-MAR-2017 08:48

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE: 5.650195:1.000000

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow Message - Black

3. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

| E | |
|----------|-------------|
| | |
| | B |
| <u> </u> | > |
| W16-7L | |

| SIZE | А | В | С | D | E | F | G | Н | I | つ | K | М | N | 0 | Р | Q | R | S | Т | U | ٧ | W | X | Y | Z | Area sq. ft. |
|------|----|----|-----|-----|-------|-------|-----|--------|---|-----|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 24 | 12 | 3/8 | 3/8 | 1 1/8 | 3 | 30° | 5 3/4 | 4 | 1/2 | 7 | | | | | | | | | | | | | | | 2.0 |
| 2M | 30 | 18 | 3/8 | 1/2 | 1 1/8 | 4 1/2 | 30° | 8 1/2 | 6 | 5/8 | 10 1/4 | | | | | | | | | | | | | | | 3.75 |
| 3 | 30 | 18 | 3/8 | 1/2 | 1 1/8 | 4 1/2 | 30° | 8 1/2 | 6 | 5/8 | 10 1/4 | | | | | | | | | | | | | | | 3.75 |
| 4 | 48 | 24 | 1/2 | 5/8 | 1 3/8 | 6 | 30° | 11 1/2 | 8 | 1 | 14 | | | | | | | | | | | | | | | 8.0 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN W16-7

WISCONSIN DEPT OF TRANSPORTATION

 $f_{\it or}$ State Traffic Engineer

SHEET NO:

Ε

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\W167.dgn

HWY:

PROJECT NO:

PLOT DATE: 11-JUL-2018 3:09

PLOT BY: mscj9h

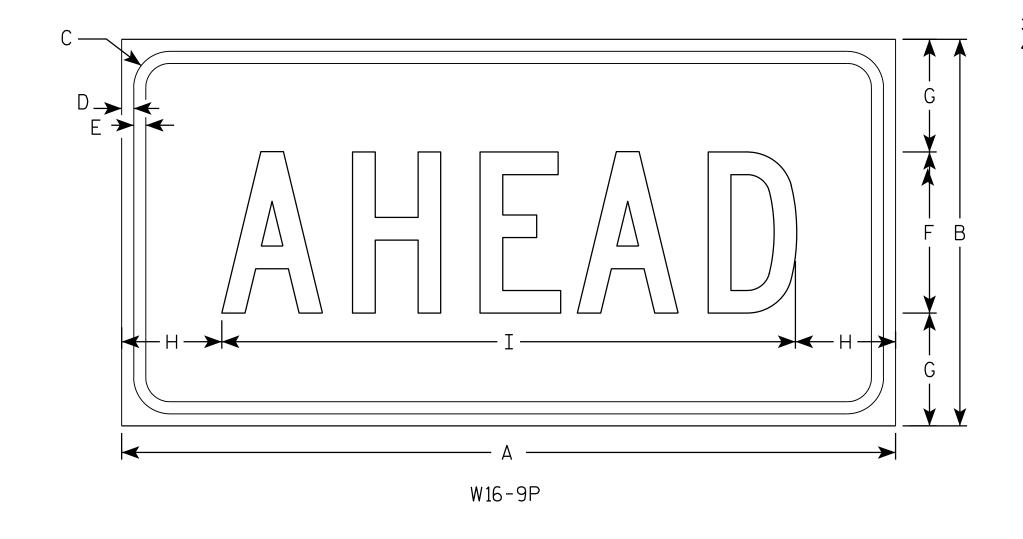
PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | ₩ | X | Y | Z | Areg sq. ft. |
|------|----|----|-------|-----|-----|----|-------|-------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 24 | 12 | 1 1/8 | 3/8 | 3⁄8 | 5 | 3 1/2 | 3 1/8 | 17 3/4 | | | | | | | | | | | | | | | | | | 2.0 |
| 2M | 30 | 18 | 1 1/8 | 3/8 | 1/2 | 7 | 5 1/2 | 2 3/4 | 24 1/2 | | | | | | | | | | | | | | | | | | 3.75 |
| 3 | 30 | 18 | 1 1/8 | 3/8 | 1/2 | 7 | 3 1/2 | 2 3/4 | 24 1/2 | | | | | | | | | | | | | | | | | | 3.75 |
| 4 | 48 | 24 | 1 3/8 | 1/2 | 5/8 | 10 | 7 | 6 1/8 | 35 ¾ | | | | | | | | | | | | | | | | | | 8.0 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN W16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/28/10

O PLATE NO. W16-9P.6

SHEET NO:

HWY:

PROJECT NO:

PLOT NAME :

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

| * | | | | | | | ، ن - I - | | | | | | | | | | = | | ↑ -F- → ↑ -F- → | |
|----------|---|---|---|---|---|---|--------------|---|------|----|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | W54- | 54 | | D | | | | | | | | |
| В | С | D | E | F | G | н | I | J | К | L | М | N | 0 | Р | 0 | R | S | T | U | v |

SIZE A 2S 30 1/4 2 1/8 1 3/8 1/2 5/8 5 11 | 10 5/8 | 12 1/2 | 12 1/8 6.25 2M 36 1 1/8 5/8 3/4 3 3/8 | 13 1/8 | 12 3/4 | 15 15 3/8 9.00 3 36 1 % 3 3/8 | 13 1/8 | 12 3/4 15 15 3/8 9.00 4 5

COUNTY:

PLOT DATE: 13-MAR-2013 14:02

STANDARD SIGN W54 - 54

WISCONSIN DEPT OF TRANSPORTATION

Matthew R Rauch

PLATE 3/13/13 PLATE NO. W54-54.6

SHEET NO:

PROJECT NO:

HWY:

PLOORCOLATATE: 13-MAR-2013 14:02 PLOT NARMEDT BY: mscj9h

PLOT SCALE: 5.709750:1.000000

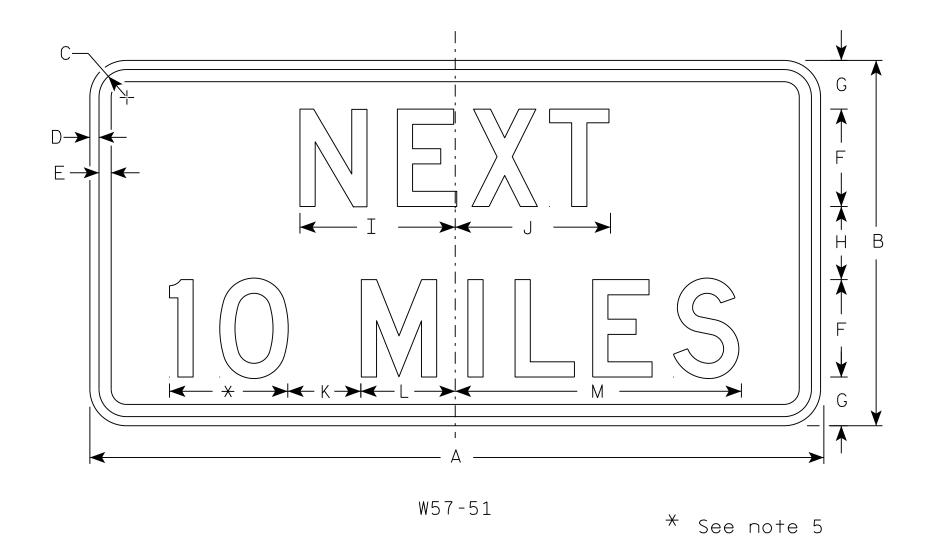
WISDOT/CADDS SHEET 42

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\\5454.DGN

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series D
- 4. Corners and borders shall be rounded.
- 5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.



| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | Q | R | S | T | U | ٧ | W | Х | Y | Z | Area sq. ft. |
|------|----|----|-------|-----|-----|---|-------|-------|-------|--------|---|-------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 24 | 12 | 1 1/8 | 3/8 | 3/8 | 3 | 1 3/4 | 2 1/2 | 5 | 5 1/8 | 3 | 2 3/4 | 9 5/8 | | | | | | | | | | | | | | 2.0 |
| 2S | 30 | 15 | 1 1/8 | 3/8 | 1/2 | 4 | 2 | 3 | 6 3/8 | 6 3/8 | 3 | 3 1/8 | 11 3/4 | | | | | | | | | | | | | | 3.13 |
| 2M | 36 | 18 | 1 1/8 | 3/8 | 1/2 | 5 | 2 5/8 | 2 3/4 | 7 1/8 | 8 | 5 | 4 1/8 | 15 | | | | | | | | | | | | | | 4 . 5 |
| 3 | 36 | 18 | 1 1/8 | 3/8 | 1/2 | 5 | 2 % | 2 3/4 | 7 1/8 | 8 | 5 | 4 1/8 | 15 | | | | | | | | | | | | | | 4 . 5 |
| 4 | 48 | 24 | 1 3/8 | 1/2 | 5/8 | 6 | 3 1/2 | 5 | 10 | 10 1/8 | 6 | 5 % | 19 | | | | | | | | | | | | | | 8.0 |
| 5 | 48 | 24 | 1 3/8 | 1/2 | 5/8 | 6 | 3 1/2 | 5 | 10 | 10 1/8 | 6 | 5 % | 19 | | | | | | | | | | | | | | 8.0 |

COUNTY:

STANDARD SIGN W57-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

for State Traffic Engineer

SHEET NO:

DATE 3/14/17

PLATE NO. <u>W57-51.10</u>

NO: **E**

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W5751.DGN

HWY:

PROJECT NO:

PLOT DATE: 14-MAR-2017 16:14

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE: 3.940234:1.000000

STH 42 - ORCHARD RD SHOULDER WIDENING

| S 1H 42 - O | TOTAL TO C | I | WIDLINING | ARE | A (SF) | | | I | Inc | cremental Vol (CY) (Unadj | justed) | | | | | | | Cumula | tive Vol (CY) | | | 1 |
|------------------------|----------------------|----------------|---------------|-------------------|--------------|--------------|--------------|-------|----------|---------------------------|---------|----------|------------|-----|------------|------------|----------------|-----------------|---------------|---------------|---------------|---------------|
| | | - | | Salvaged/Unusable | | | | | | Salvaged/Unusable | | | | | | Expanded | Expanded | Expanded | | Reduced Marsh | n Reduced EBS | 3 |
| | | | Cut | Pavement Material | Fill | Marsh Exc | c Rock Ex | c EBS | Cut | Pavement Material | Fill | Marsh Ex | c Rock Exc | EBS | Cut | Fill | Marsh Backfill | Rock | EBS Backfill | in Fill | in Fill | Mass Ordinate |
| STATION | Real Station | Distance | | | | | | | | | | | | | 1.00 | 1.25 | 1.50 | 1.10 | 1.30 | 0.60 | 0.80 | |
| 425+49.59 | 42549.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 425+50 | 42550.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 7.11 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 425+75 | 42575.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.94 | 0.00 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | -15 | 0 | 12 | 0 | 0 | 0 | 15 |
| 426+00 426+25 | 42600.00 42625.00 | 25.00 25.00 | 0.00 0.00 | 0.00 0.00 | 0.00 | 0.00 0.00 | 8.36 5.90 | 0.00 | 0 | 0 | 0 | 0 | 12 7 | 0 | 0 | -31 -41 | 0 | 25 32 | 0 | 0 | 0 | 31 41 |
| 426+31.44 | 42631.44 | 6.44 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 0.00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | -42 | 0 | 34 | 0 | 0 | 0 | 42 |
| 426+31.53 | 42631.53 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -42 | 0 | 34 | 0 | 0 | 0 | 42 |
| 441+53.4 | 44153.40 | 1521.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -42 | 0 | 34 | 0 | 0 | 0 | 42 |
| 441+54.44 | 44154.44 | 1.04 | 7.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 11 | 0 | 0 | 0 | 0 | 0 | 0 | -42 -42 | 0 | 34 | 0 | 0 | 0 | 43 |
| 442+00 442+50 | 44200.00 44250.00 | 45.56 50.00 | 6.38 6.38 | 0.00 0.00 | 0.00 | 0.00 0.00 | 0.00 | 0.00 | 12 | 0 | 0 | 0 | 0 | 0 | 12 23 | -42 -42 | 0 | 34 34 | 0 | 0 | 0 | 54 66 |
| 443+00 | 44300.00 | 50.00 | 7.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13 | 0 | 0 | 0 | 0 | 0 | 36 | -42 | 0 | 34 | 0 | 0 | 0 | 78 |
| 443+50 | 44350.00 | 50.00 | 6.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13 | 0 | 0 | 0 | 0 | 0 | 49 | -42 | 0 | 34 | 0 | 0 | 0 | 92 |
| 444+00 | 44400.00 | 50.00 | 7.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13 | 0 | 0 | 0 | 0 | 0 | 62 | -42 | 0 | 34 | 0 | 0 | 0 | 105 |
| 444+50 445+00 | 44450.00 44500.00 | 50.00 50.00 | 7.13 6.71 | 0.00 0.00 | 0.00 | 0.00 0.00 | 0.00 | 0.00 | 13 13 | 0 | 0 | 0 | 0 | 0 | 75 88 | -42 -42 | 0 | 34 34 | 0 | 0 | 0 | 118 131 |
| 445+39.99 | 44539.99 | 39.99 | 6.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10 | 0 | 0 | 0 | 0 | 0 | 98 | -42 | 0 | 34 | 0 | 0 | 0 | 140 |
| 445+40.24 | 44540.24 | 0.25 | 10.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | -42 | 0 | 34 | 0 | 0 | 0 | 140 |
| 446+00 | 44600.00 | 59.76 | 13.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26 | 0 | 0 | 0 | 0 | 0 | 124 | -42 | 0 | 34 | 0 | 0 | 0 | 166 |
| 446+25 446+25.08 | 44625.00 44625.08 | 25.00 0.08 | 12.86 7.02 | 0.00 0.00 | 0.00 | 0.00 0.00 | 0.00 | 0.00 | 12 0 | 0 | 0 | 0 | 0 | 0 | 136 136 | -42 -42 | 0 | 34 34 | 0 | 0 | 0 | 179 179 |
| 446+50 | 44650.00 | 24.92 | 6.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6 | 0 | 0 | 0 | 0 | 0 | 143 | -42 | 0 | 34 | 0 | 0 | 0 | 185 |
| 447+00 | 44700.00 | 50.00 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13 | 0 | 0 | 0 | 0 | 0 | 155 | -42 | 0 | 34 | 0 | 0 | 0 | 198 |
| 447+55.36 | 44755.36 | 55.36 | 5.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13 | 0 | 0 | 0 | 0 | 0 | 168 | -42 | 0 | 34 | 0 | 0 | 0 | 210 |
| 447+55.52 447+88.54 | 44755.52 44788.54 | 0.16 33.02 | 0.00 0.00 | 0.00 0.00 | 0.00 | 0.00 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 168 168 | -42 -42 | 0 0 | 34 34 | 0 | 0 | 0 | 210 210 |
| 447+88.68 | 44788.68 | 0.14 | 6.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 168 | -42 | 0 | 34 | 0 | 0 | 0 | 210 |
| 448+06.07 | 44806.07 | 17.39 | 6.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4 | 0 | 0 | 0 | 0 | 0 | 172 | -42 | 0 | 34 | 0 | 0 | 0 | 214 |
| 448+06.5 | 44806.50 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 172 | -42 | 0 | 34 | 0 | 0 | 0 | 214 |
| 448+60.04 448+60.4 | 44860.04 44860.40 | 53.54 0.37 | 0.00 6.16 | 0.00 0.00 | 0.00 | 0.00 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 172 172 | -42 -42 | 0 | 34 34 | 0 | 0 | 0 | 214 215 |
| 449+00 | 44900.00 | 39.60 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9 | 0 | 0 | 0 | 0 | 0 | 181 | -42 -42 | 0 | 34 | 0 | 0 | 0 | 224 |
| 449+50 | 44950.00 | 50.00 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12 | 0 | 0 | 0 | 0 | 0 | 193 | -42 | 0 | 34 | 0 | 0 | 0 | 235 |
| 450+00 | 45000.00 | 50.00 | 5.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11 | 0 | 0 | 0 | 0 | 0 | 204 | -42 | 0 | 34 | 0 | 0 | 0 | 246 |
| 450+32.83 | 45032.83 | 32.83 | 6.49 | 0.00 | 12.99 | | 0.00 | 0.00 | 7 | 0 | 8 | 0 | 0 | 0 | 211 | -33 | 0 | 34 | 0 | 0 | 0 | 244 |
| 450+40.04 450+40.28 | 45040.04 45040.28 | 7.20 0.24 | 8.36 0.00 | 0.00 0.00 | 0.00 | 0.00 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 213 213 | -30 -30 | 0 | 34 34 | 0 | 0 | 0 | 243 243 |
| 450+72.35 | 45072.35 | 32.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 213 | -30 | 0 | 34 | 0 | Ö | 0 | 243 |
| 450+72.61 | 45072.61 | 0.26 | 7.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 213 | -30 | 0 | 34 | 0 | 0 | 0 | 243 |
| 451+00 | 45100.00 | 27.39 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7 | 0 | 0 | 0 | 0 | 0 | 220 | -30 | 0 | 34 | 0 | 0 | 0 | 251 |
| 451+50 452+00 | 45150.00 45200.00 | 50.00 50.00 | 5.13 4.72 | 0.00 0.00 | 0.16 0.13 | 0.00 0.00 | 0.00 | 0.00 | 11 9 | 0 | 0 | 0 | 0 | 0 | 231 240 | -30 -30 | 0 | 34 34 | 0 | 0 | 0 | 261 270 |
| 452+50 | 45250.00 | 50.00 | 3.49 | 0.00 | 8.34 | 0.00 | 0.00 | 0.00 | 8 | Ö | 8 | 0 | 0 | 0 | 248 | -20 | Ö | 34 | 0 | Ö | 0 | 268 |
| 453+00 | 45300.00 | 50.00 | 3.14 | 0.00 | 6.36 | 0.00 | 0.00 | 0.00 | 6 | 0 | 14 | 0 | 0 | 0 | 254 | -3 | 0 | 34 | 0 | 0 | 0 | 257 |
| 453+50 | 45350.00 | 50.00 | 2.97 | 0.00 | 2.27 | 0.00 | 0.00 | 0.00 | 6 | 0 | 8 | 0 | 0 | 0 | 260 | 7 | 0 | 34 | 0 | 0 | 0 | 253 |
| 454+13.42 454+13.64 | 45413.42 45413.64 | 63.42 0.22 | 5.48 0.00 | 0.00 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10 0 | U N | 3 0 | 0 | 0 | 0 | 270 270 | 10 10 | 0 | 34 34 | 0 | U N | 0 | 259 259 |
| 455+14.7 | 45514.70 | 101.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | Ö | 0 | 0 | 0 | 0 | 270 | 10 | 0 | 34 | 0 | ő | 0 | 259 |
| 455+63.18 | 45563.18 | 48.48 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 0 | 0 | 0 | 0 | 0 | 275 | 10 | 0 | 34 | 0 | 0 | 0 | 264 |
| 455+63.71 | 45563.71 | 0.53 | 10.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 275 | 10 | 0 | 34 | 0 | 0 | 0 | 265 |
| 455+73.94 456+00 | 45573.94 45600.00 | 10.22 26.06 | 10.48 9.60 | 0.00 0.00 | 0.28 1.58 | 0.00 | 0.00 | 0.00 | 4 10 | 0 | 1 | 0 | 0 | 0 | 279 289 | 10 11 | 0 | 34 34 | 0 | 0 | 0 | 268 277 |
| 456+29.61 | 45629.61 | 29.61 | 9.88 | 0.00 | 3.71 | 0.00 | 0.00 | 0.00 | 11 | Ö | 3 | 0 | 0 | 0 | 299 | 15 | 0 | 34 | 0 | Ö | 0 | 284 |
| 456+50 | 45650.00 | 20.39 | 8.03 | 0.00 | 5.10 | 0.00 | 0.00 | 0.00 | 7 | 0 | 3 | 0 | 0 | 0 | 306 | 19 | 0 | 34 | 0 | 0 | 0 | 287 |
| 456+63.14 | 45663.14 | 13.14 | 4.50 | 0.00 | 5.74 | 0.00 | 0.00 | 0.00 | 3 | 0 | 3 | 0 | 0 | 0 | 309 | 23 | 0 | 34 | 0 | 0 | 0 | 286 |
| 456+85.27 457+00 | 45685.27 45700.00 | 22.13 14.73 | 4.08 4.43 | 0.00 0.00 | 7.14 6.44 | 0.00 | 0.00 | 0.00 | 4 2 | 0 | 5 4 | 0 | 0 | 0 | 313 315 | 29 34 | 0 | 34 34 | 0 | 0 | 0 | 283 281 |
| 457+50 | 45750.00 | 50.00 | 4.43 | 0.00 | 4.51 | 0.00 | 0.00 | 0.00 | 8 | 0 | 10 | 0 | 0 | 0 | 323 | 46 | 0 | 34 | 0 | 0 | 0 | 277 |
| 458+00 | 45800.00 | 50.00 | 3.98 | 0.00 | 6.37 | 0.00 | 0.00 | 0.00 | 8 | 0 | 10 | 0 | 0 | 0 | 331 | 59 | 0 | 34 | 0 | 0 | 0 | 272 |
| 458+50 | 45850.00 | 50.00 | 3.99 | 0.00 | 5.58 | | 0.00 | 0.00 | 7 | 0 | 11 | 0 | 0 | 0 | 338 | 73 | 0 | 34 | 0 | 0 | 0 | 265 |
| 459+00 459+19.96 | 45900.00 45919.96 | 50.00 19.96 | 4.25 0.00 | 0.00 0.00 | 1.02 0.00 | | 0.00 | 0.00 | 8 2 | 0 | 6 0 | 0 | 0 | 0 | 346 347 | 81 81 | 0 0 | 34 34 | 0 0 | 0 | 0 0 | 265 266 |
| +33+13.30 | -UE.EI EU- | 18.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2 | U | U | U | U | U | 341 | 01 | U | J -1 | U | U | U | 200 |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 0.47 | | | | | | | | | | | | | |
| | | | | | | | | | 347 | 0 | 99 | 0 | 31 | 0 | | | | | | | | |

9

HWY: STH 42 SHEET: PROJECT NO: 4140-19-72 COUNTY: DOOR **EARTHWORK QUANTITIES** Ε

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT DATE: June 14, 1911 PLOT BY: A.R.H. PLOT NAME : PLOT SCALE: 1:1 9

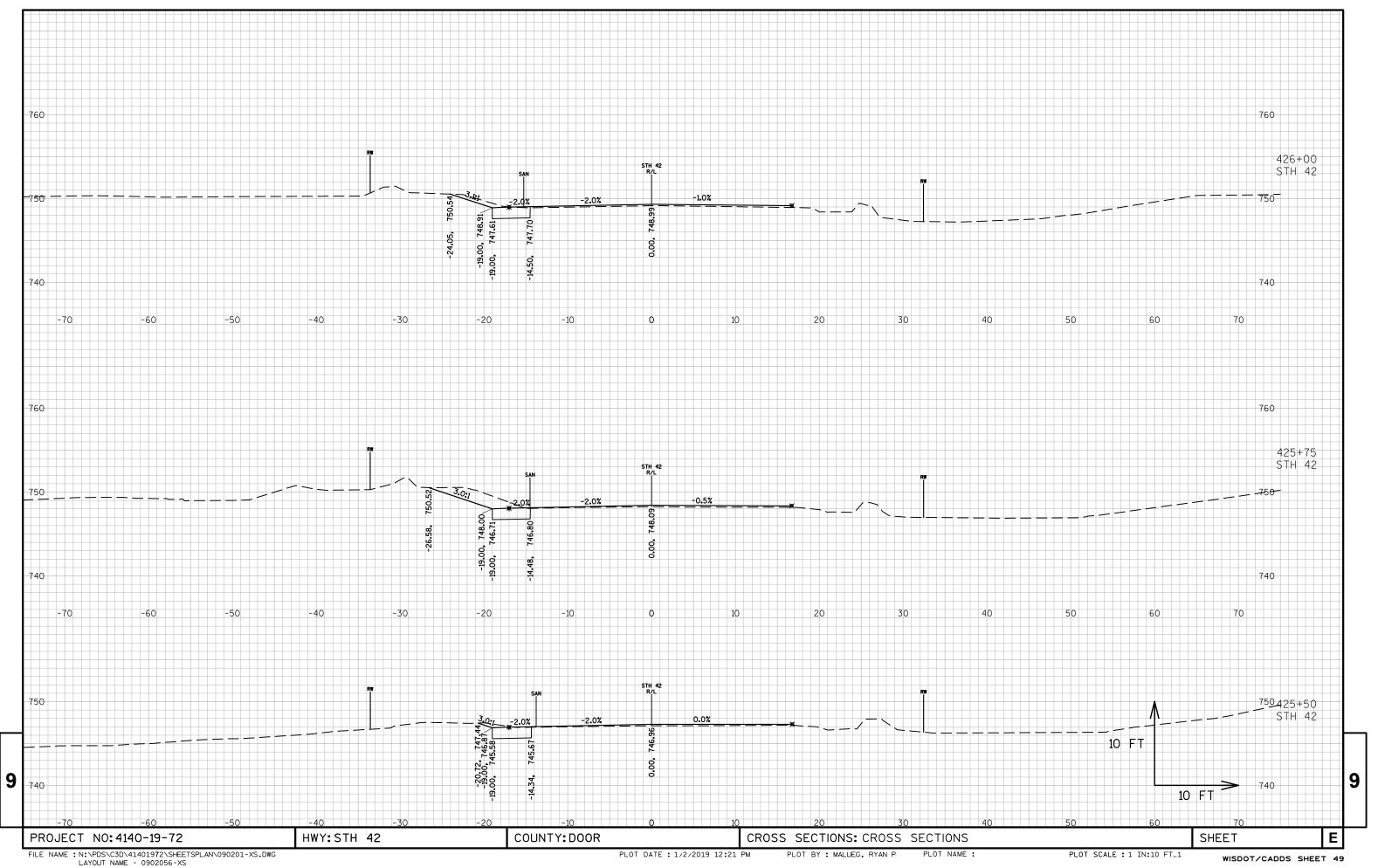
STH 42 BEAMGUARD

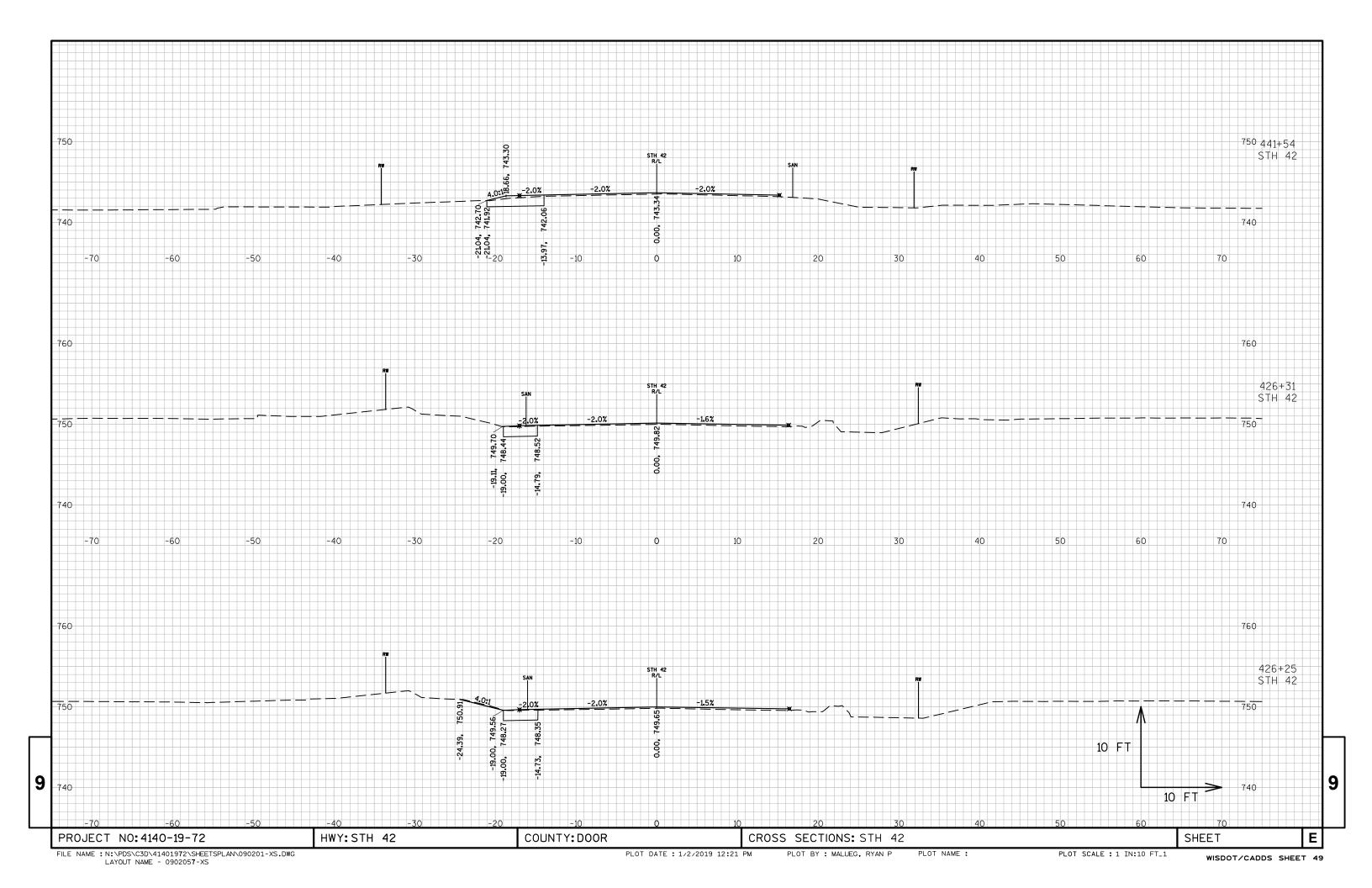
| | L/ (IVICO/ (I AD | | | AR | EA (SF) | | | | In | cremental Vol (CY) (Unadji | uste d' |) | | | | | | Cumula | tive Vol (CY) | | | |
|----------------------|------------------|--------------|----------------|-------------------|----------------|--------------|---------|-------|---------|----------------------------|---------|-------|----------|---------|------------|------------|----------------|--------|---------------|---------------|------------|---------------|
| | | | | Salvaged/Unusable | e `´´ | | | | | Salvaged/Unusable | | | | | | Expanded | d Expanded | | d Expanded | Reduced Marsh | Reduced EB | S |
| | | | Cut | Pavement Materia | | Marsh Exc | Rock Ex | c EBS | Cut | Pavement Material | Fill | Marsh | Exc Rock | Exc EBS | Cut | Fill | Marsh Backfill | | EBS Backfill | in Fill | in Fill | Mass Ordinate |
| STATION | N Real Stati | ion Distance | | | | | | | | | | | | | 1.00 | 1.25 | 1.50 | 1.10 | 1.30 | 0.60 | 0.80 | |
| | | | | | | | | | | | | | | | | | | | | | | |
| 473+91.6 | | | 6.39 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 474+00 | | | 5.76 | 0.00 | 3.24 | 0.00 | 0.00 | 0.00 | 2 | 0 | 1 | 0 | 0 | | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 474+49.7 | | | 14.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19 | 0 | 3 | 0 | 0 | 0 | 21 | 5 | 0 | 0 | 0 | 0 | 0 | 16 |
| 474+50 | | | 30.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 5 | 0 | 0 | 0 | 0 | 0 | 16 |
| 474+97.5 | | | 21.99 | 0.00 | 14.52 | | 0.00 | 0.00 | 47 | 0 | 13 | 0 | 0 | 0 | 68 | 21 | 0 | 0 | 0 | 0 | 0 | 47 |
| 475+00 | | | 21.68 | 0.00 | 16.80 | 0.00 | 0.00 | 0.00 | 2 | 0 | 1 7 | 0 | 0 | 0 | 70 | 22 | 0 | 0 | 0 | 0 | 0 | 47 |
| 475+10.0 | | | 21.45 | 0.00 | 22.65 | | 0.00 | 0.00 | 8 | 0 | 0 | 0 | 0 | 0 | 78 | 32 | 0 | 0 | 0 | 0 | 0 | 46 |
| 475+10.1 475+22.5 | | | 21.45 21.19 | 0.00 0.00 | 22.65 16.23 | | 0.00 | 0.00 | 10 | 0 | 0 | 0 | 0 | 0 | 78 87 | 32 43 | 0 | 0 | 0 | 0 | 0 | 46 45 |
| 475+22.6 | | | 21.19 | 0.00 | 16.23 | | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 87 | 43 | 0 | 0 | 0 | 0 | 0 | 45 45 |
| 475+35.1 | | | 20.97 | 0.00 | 9.55 | 0.00 | 0.00 | 0.00 | 10 | 0 | 6 | 0 | 0 | 0 | 97 | 50 | 0 | 0 | 0 | 0 | 0 | 47 |
| 475+47.4 | | | 7.46 | 0.00 | 4.99 | 0.00 | 0.00 | 0.00 | 6 | 0 | 3 | 0 | 0 | 0 | 104 | 55 | 0 | 0 | 0 | 0 | 0 | 49 |
| 475+47.6 | | | 5.67 | 0.00 | 4.79 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 104 | 55 | 0 | 0 | 0 | 0 | 0 | 49 |
| 475+50 | | | 5.69 | 0.00 | 3.95 | 0.00 | 0.00 | 0.00 | 1 | 0 | 0 | 0 | 0 | 0 | 104 | 55 | 0 | 0 | 0 | 0 | 0 | 49 |
| 475+60.1 | | | 5.80 | 0.00 | 2.42 | 0.00 | 0.00 | 0.00 | 2 | 0 | 1 | 0 | 0 | 0 | 106 | 57 | 0 | 0 | 0 | 0 | 0 | 50 |
| 475+80.8 | | | 6.08 | 0.00 | 14.08 | 0.00 | 0.00 | 0.00 | 5 | 0 | 6 | 0 | 0 | 0 | 111 | 64 | 0 | 0 | 0 | 0 | 0 | 46 |
| 476+00 | | | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 0 | 5 | 0 | 0 | 0 | 116 | 71 | 0 | 0 | 0 | 0 | 0 | 45 |
| 476+50 | 47650.0 | | 4.02 | 0.00 | 6.06 | 0.00 | 0.00 | 0.00 | 10 | 0 | 6 | 0 | 0 | 0 | 126 | 78 | 0 | 0 | 0 | 0 | 0 | 48 |
| 477+00 | | | 3.86 | 0.00 | 2.34 | 0.00 | 0.00 | 0.00 | 7 | 0 | 8 | 0 | 0 | 0 | 133 | 87 | 0 | 0 | 0 | 0 | 0 | 46 |
| 477+25 | | | 4.02 | 0.00 | 2.13 | 0.00 | 0.00 | 0.00 | 4 | 0 | 2 | 0 | 0 | 0 | 137 | 90 | 0 | 0 | 0 | 0 | 0 | 47 |
| 477+50 | 47750.0 | 0 25.00 | 4.72 | 0.00 | 3.39 | 0.00 | 0.00 | 0.00 | 4 | 0 | 3 | 0 | 0 | 0 | 141 | 93 | 0 | 0 | 0 | 0 | 0 | 48 |
| 477+75 | 47775.0 | 0 25.00 | 8.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6 | 0 | 2 | 0 | 0 | 0 | 147 | 95 | 0 | 0 | 0 | 0 | 0 | 52 |
| 478+00 | 47800.0 | 0 25.00 | 4.20 | 0.00 | 4.79 | 0.00 | 0.00 | 0.00 | 6 | 0 | 2 | 0 | 0 | 0 | 153 | 98 | 0 | 0 | 0 | 0 | 0 | 55 |
| 478+50 | 47850.0 | 0 50.00 | 3.55 | 0.00 | 3.58 | 0.00 | 0.00 | 0.00 | 7 | 0 | 8 | 0 | 0 | 0 | 160 | 108 | 0 | 0 | 0 | 0 | 0 | 53 |
| 479+00 | 47900.0 | 0 50.00 | 3.91 | 0.00 | 2.32 | 0.00 | 0.00 | 0.00 | 7 | 0 | 5 | 0 | 0 | 0 | 167 | 114 | 0 | 0 | 0 | 0 | 0 | 53 |
| 479+50 | 47950.0 | | 3.35 | 0.00 | 5.16 | 0.00 | 0.00 | 0.00 | 7 | 0 | 7 | 0 | 0 | 0 | 174 | 123 | 0 | 0 | 0 | 0 | 0 | 51 |
| 480+00 | | | 3.69 | 0.00 | 4.72 | 0.00 | 0.00 | 0.00 | 7 | 0 | 9 | 0 | 0 | 0 | 180 | 135 | 0 | 0 | 0 | 0 | 0 | 46 |
| 480+50 | 48050.0 | | 5.26 | 0.00 | 1.55 | 0.00 | 0.00 | 0.00 | 8 | 0 | 6 | 0 | 0 | 0 | 189 | 142 | 0 | 0 | 0 | 0 | 0 | 47 |
| 481+00 | | | 6.12 | 0.00 | 1.36 | 0.00 | 0.00 | 0.00 | 11 | 0 | 3 | 0 | 0 | 0 | 199 | 145 | 0 | 0 | 0 | 0 | 0 | 54 |
| 481+50 | | | 4.78 | 0.00 | 2.21 | 0.00 | 0.00 | 0.00 | 10 | 0 | 3 | 0 | 0 | 0 | 209 | 149 | 0 | 0 | 0 | 0 | 0 | 60 |
| 481+74.6 | | | 4.25 | 0.00 | 1.90 | 0.00 | 0.00 | 0.00 | 4 | 0 | 2 | 0 | 0 | 0 | 213 | 152 | 0 | 0 | 0 | 0 | 0 | 62 |
| 481+74.8 | | | 13.19 | 0.00 | 8.35 | 0.00 | 0.00 | 0.00 | 0 12 | 0 | 0 8 | 0 | 0 | 0 | 213 226 | 152 162 | 0 | 0 | 0 0 | 0 | 0 | 62 64 |
| 482+00 | | | 13.22 | 0.00 | 8.73 | 0.00 | 0.00 | 0.00 | 12 | 0 | 0 | 0 | 0 | 0 | 239 | 172 | 0 | 0 | 0 | 0 | 0 | 67 |
| 482+25 482+50 | | | 14.27 12.84 | 0.00 0.00 | 8.78 | 0.00 0.00 | 0.00 | 0.00 | 13 | 0 | 8 | 0 | 0 | 0 | 259 251 | 182 | 0 | 0 | 0 | 0 | 0 | 69 |
| 483+00 | | | 13.32 | 0.00 | 8.62 8.96 | 0.00 | 0.00 | 0.00 | 24 | 0 | 16 | 0 | 0 | 0 | 275 | 202 | 0 | 0 | 0 | 0 | 0 | 73 |
| 483+50 | | | 14.50 | 0.00 | 4.08 | 0.00 | 0.00 | 0.00 | 26 | 0 | 12 | 0 | 0 | 0 | 301 | 217 | 0 | 0 | 0 | 0 | 0 | 84 |
| 484+00 | | | 14.27 | 0.00 | 4.26 | 0.00 | 0.00 | 0.00 | 27 | 0 | 8 | 0 | 0 | • | 328 | 227 | 0 | 0 | 0 | 0 | 0 | 101 |
| 484+25 | | | 16.17 | 0.00 | 11.24 | 0.00 | 0.00 | 0.00 | 14 | 0 | 7 | 0 | 0 | 0 | 342 | 236 | 0 | 0 | 0 | 0 | 0 | 106 |
| 484+34.5 | | | 16.65 | 0.00 | 18.46 | 0.00 | 0.00 | 0.00 | 6 | 0 | 5 | 0 | 0 | 0 | 348 | 243 | 0 | 0 | 0 | 0 | 0 | 105 |
| 484+50 | | | 17.56 | 0.00 | 15.96 | | 0.00 | 0.00 | 10 | 0 | 10 | 0 | 0 | 0 | 357 | 255 | 0 | 0 | 0 | 0 | 0 | 103 |
| 484+56.5 | | | 18.51 | 0.00 | 10.29 | | 0.00 | 0.00 | 4 | 0 | 3 | 0 | 0 | 0 | 362 | 259 | 0 | 0 | 0 | 0 | 0 | 103 |
| 484+81.5 | | | 20.82 | 0.00 | 10.51 | 0.00 | 0.00 | 0.00 | 18 | 0 | 10 | 0 | 0 | 0 | 380 | 271 | 0 | 0 | 0 | 0 | 0 | 109 |
| 484+94.0 | | | 20.01 | 0.00 | 14.69 | 0.00 | 0.00 | 0.00 | 9 | 0 | 6 | 0 | 0 | 0 | 389 | 278 | 0 | 0 | 0 | 0 | 0 | 111 |
| 485+00 | | | 19.73 | 0.00 | 17.94 | 0.00 | 0.00 | 0.00 | 4 | 0 | 4 | 0 | 0 | 0 | 394 | 283 | 0 | 0 | 0 | 0 | 0 | 111 |
| 485+04.0 | 9 48504.0 | 9 4.09 | 19.54 | 0.00 | 20.66 | 0.00 | 0.00 | 0.00 | 3 | 0 | 3 | 0 | 0 | 0 | 397 | 286 | 0 | 0 | 0 | 0 | 0 | 110 |
| 485+06.6 | 48506.6 | 0 2.50 | 19.44 | 0.00 | 22.38 | 0.00 | 0.00 | 0.00 | 2 | 0 | 2 | 0 | 0 | 0 | 399 | 289 | 0 | 0 | 0 | 0 | 0 | 110 |
| 485+29.1 | | | 19.24 | 0.00 | 15.19 | | 0.00 | 0.00 | 16 | 0 | 16 | 0 | 0 | 0 | 415 | 308 | 0 | 0 | 0 | 0 | 0 | 106 |
| 485+41.5 | | | 19.31 | 0.00 | 11.90 | | 0.00 | 0.00 | 9 | 0 | 6 | 0 | 0 | 0 | 424 | 316 | 0 | 0 | 0 | 0 | 0 | 107 |
| 485+50 | | | 19.47 | 0.00 | 10.64 | 0.00 | 0.00 | 0.00 | 6 | 0 | 4 | 0 | 0 | 0 | 430 | 321 | 0 | 0 | 0 | 0 | 0 | 109 |
| 485+54.1 | | | 19.75 | 0.00 | 10.05 | | 0.00 | 0.00 | 3 | 0 | 2 | 0 | 0 | | 433 | 323 | 0 | 0 | 0 | 0 | 0 | 110 |
| 486+00 | | | 17.13 | 0.00 | 1.06 | 0.00 | 0.00 | 0.00 | 31 | 0 | 9 | 0 | 0 | 0 | 464 | 334 | 0 | 0 | 0 | 0 | 0 | 130 |
| 486+19.0 | | | 15.37 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 11 | 0 | 1 | 0 | 0 | 0 | 475 | 335 | 0 | 0 | 0 | 0 | 0 | 140 |
| 486+19.3 | | | 4.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 476 | 335 | 0 | 0 | 0 | 0 | 0 | 140 |
| 486+25 | | | 3.99 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 1 | 0 | 0 | 0 | 0 | 0 | 476 | 335 | 0 | 0 | 0 | 0 | U | 141 |
| 486+32.4 | 4 48632.4 | 4 7.44 | 5.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 0 | 0 | 0 | 0 | 0 | 478 | 335 | 0 | 0 | 0 | 0 | 0 | 142 |
| | | | | | | | | | | | | | | | | | | | | | | |
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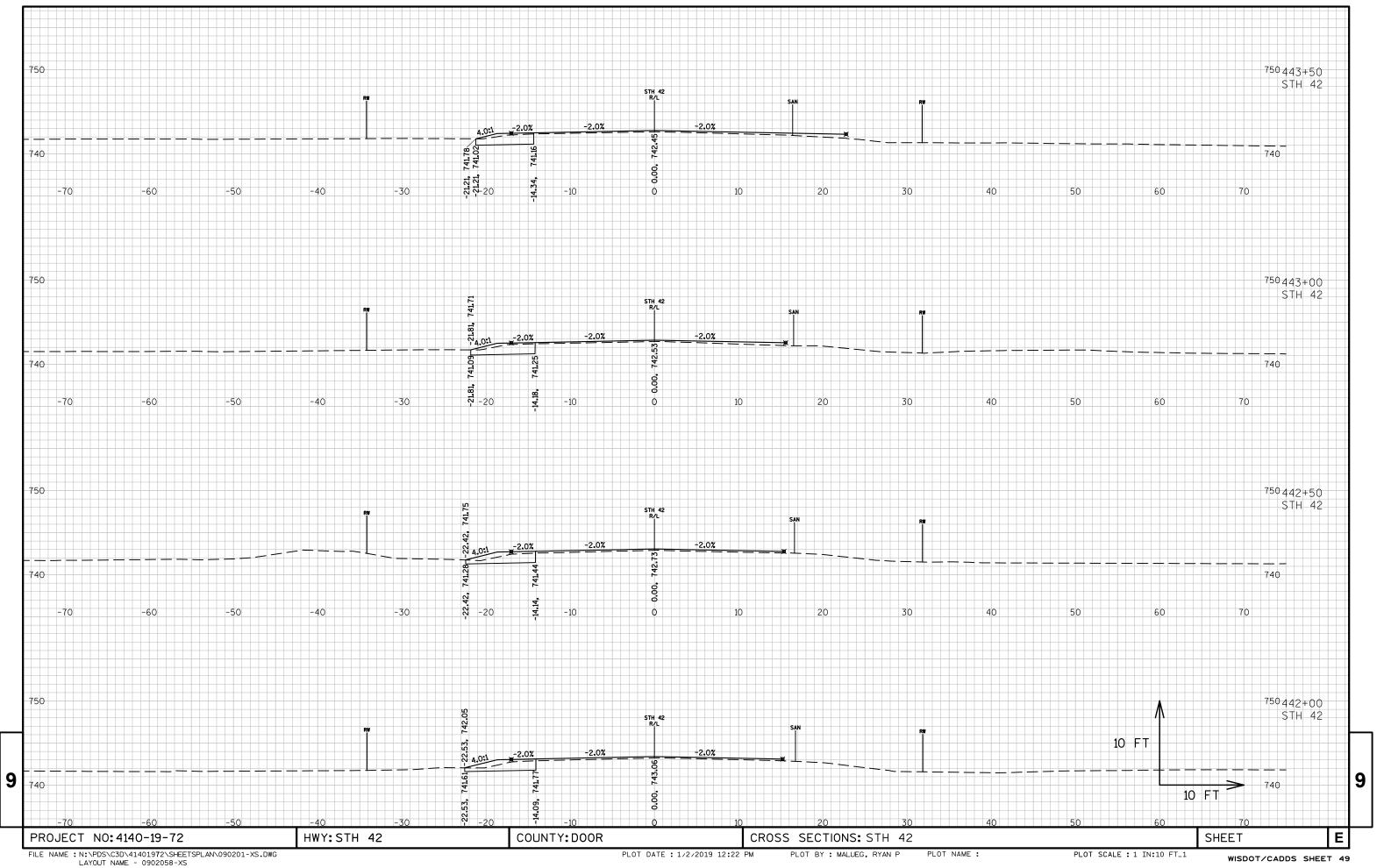
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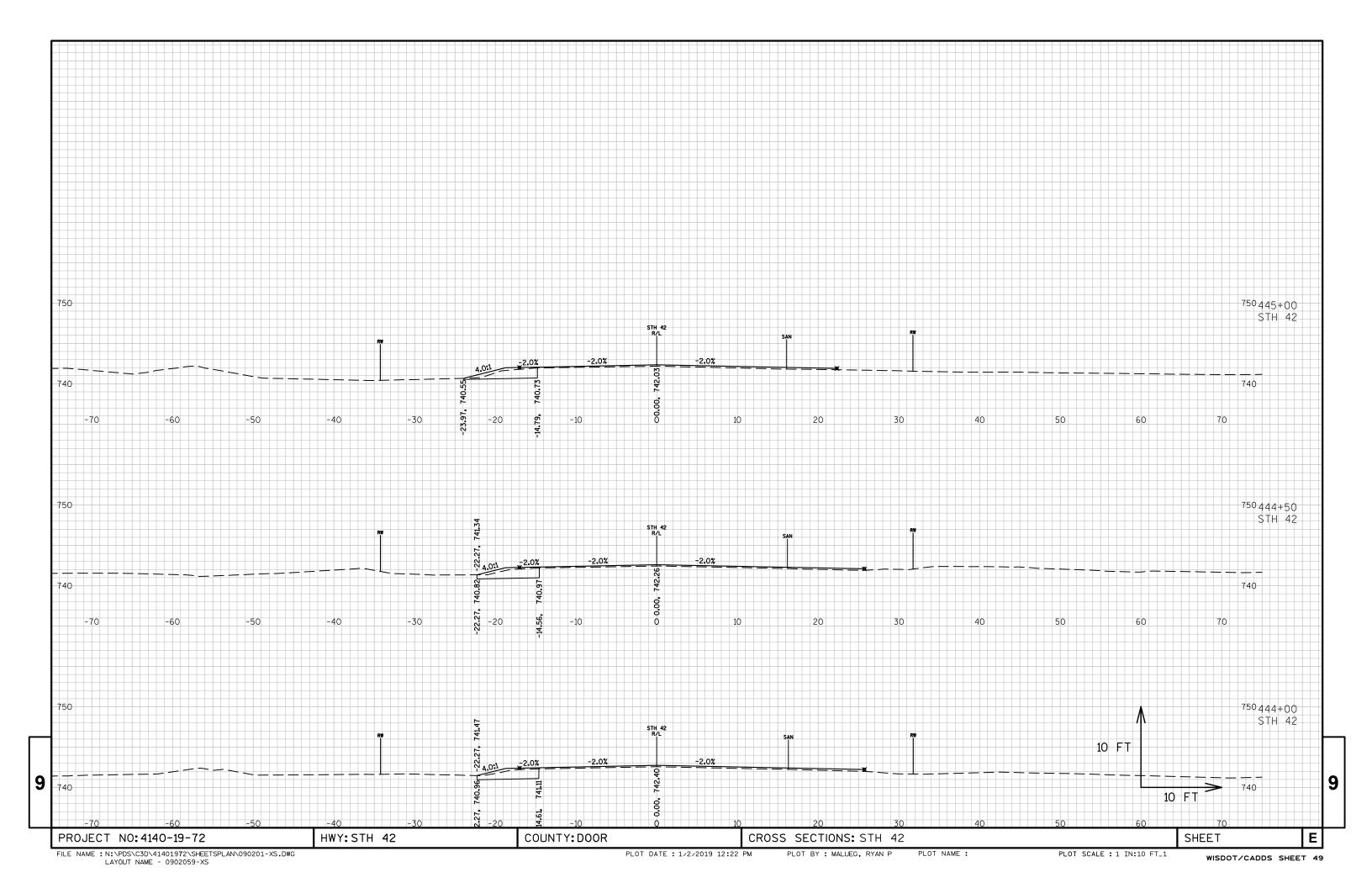
PROJECT NO: 4140-19-72 HWY: STH 42 COUNTY: DOOR EARTHWORK QUANTITIES SHEET: **E**

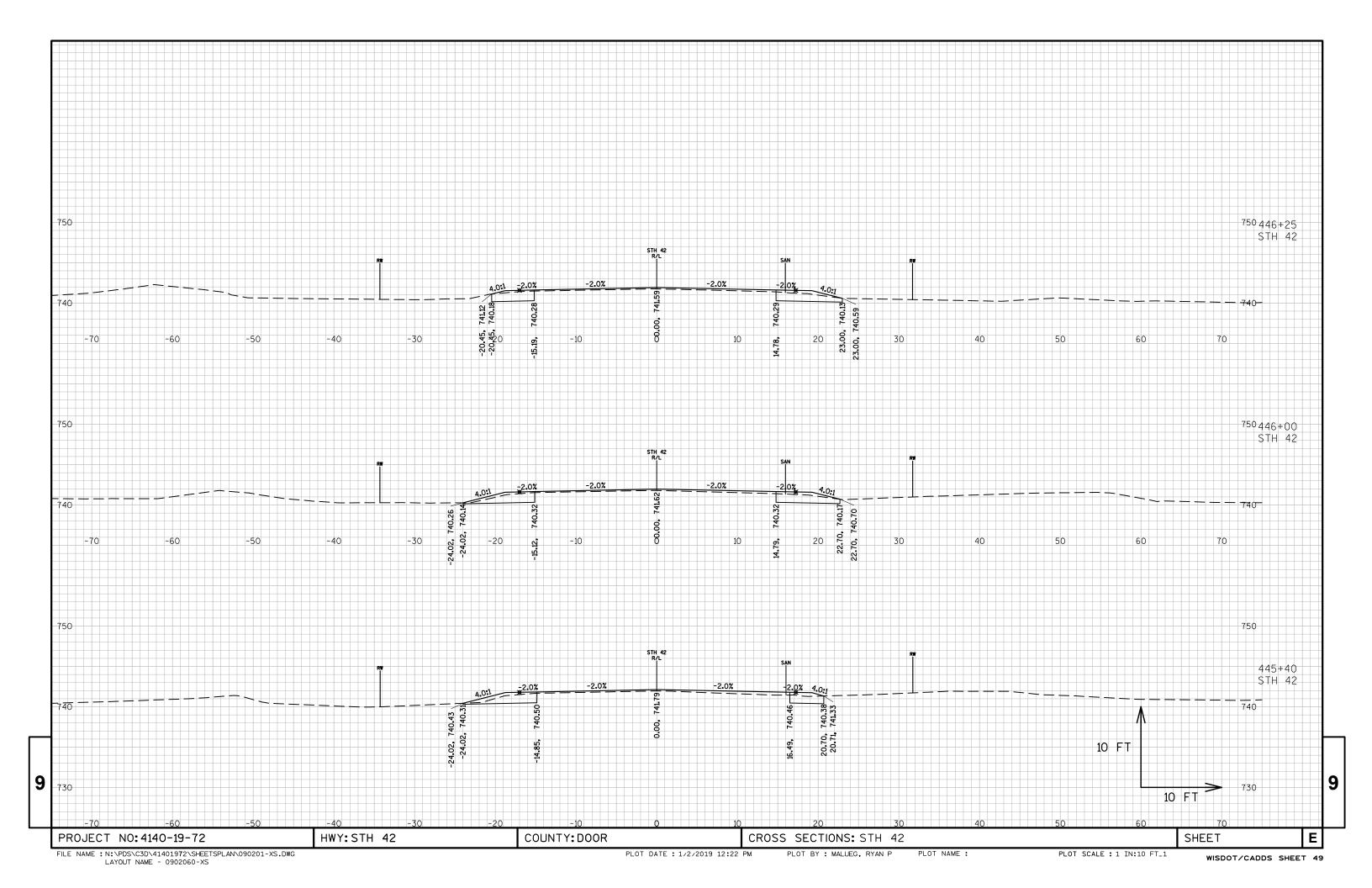
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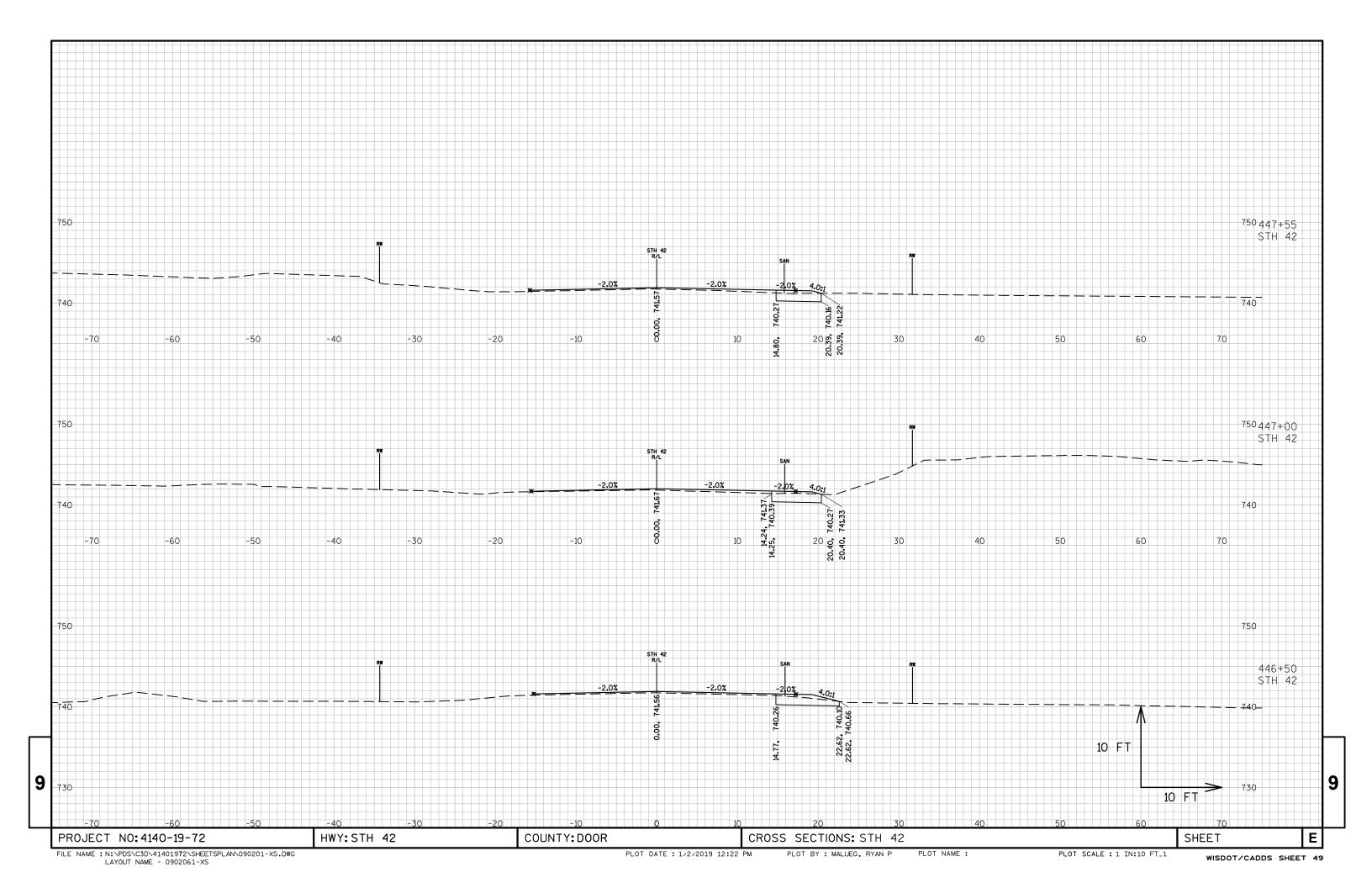


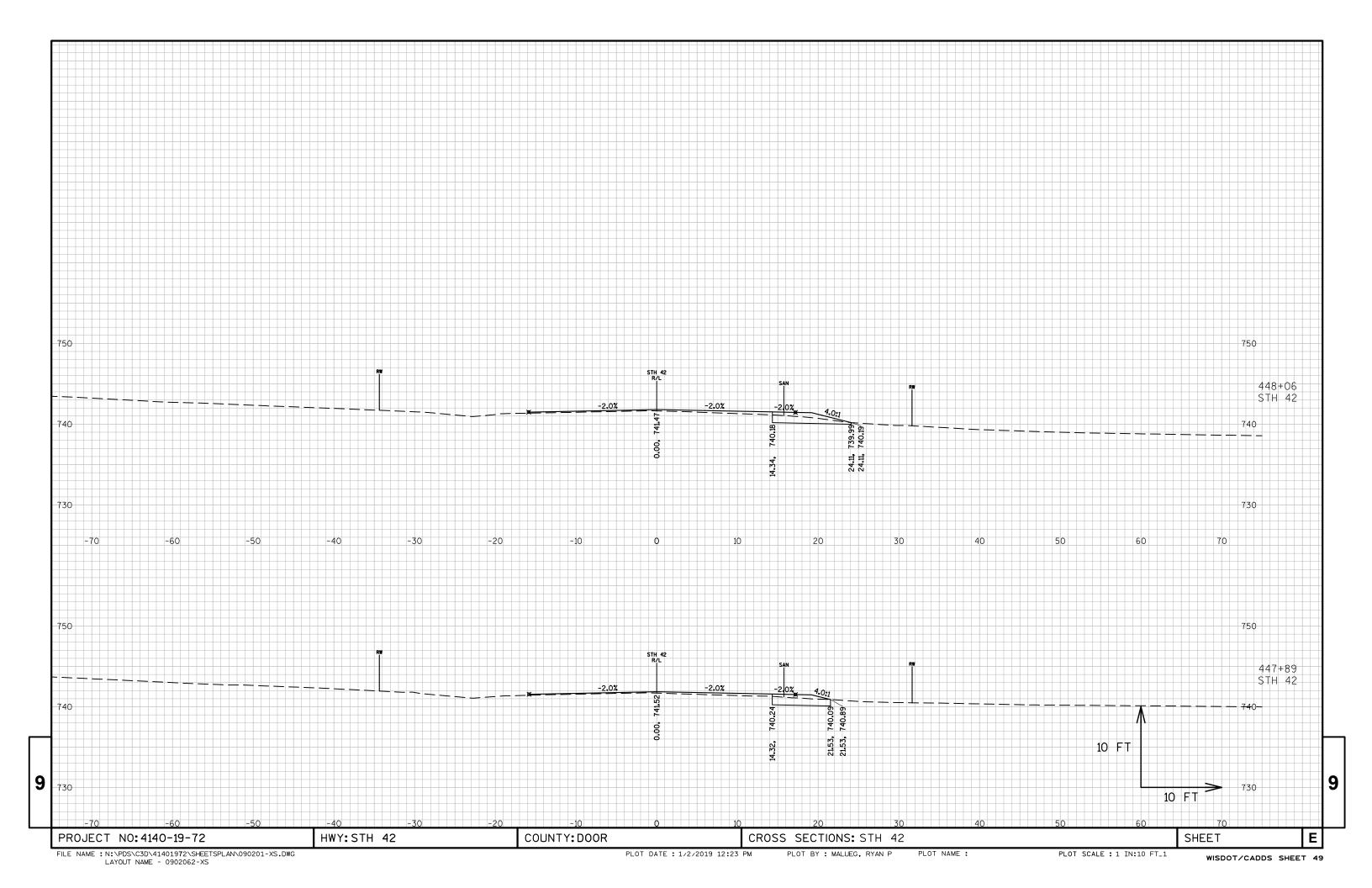


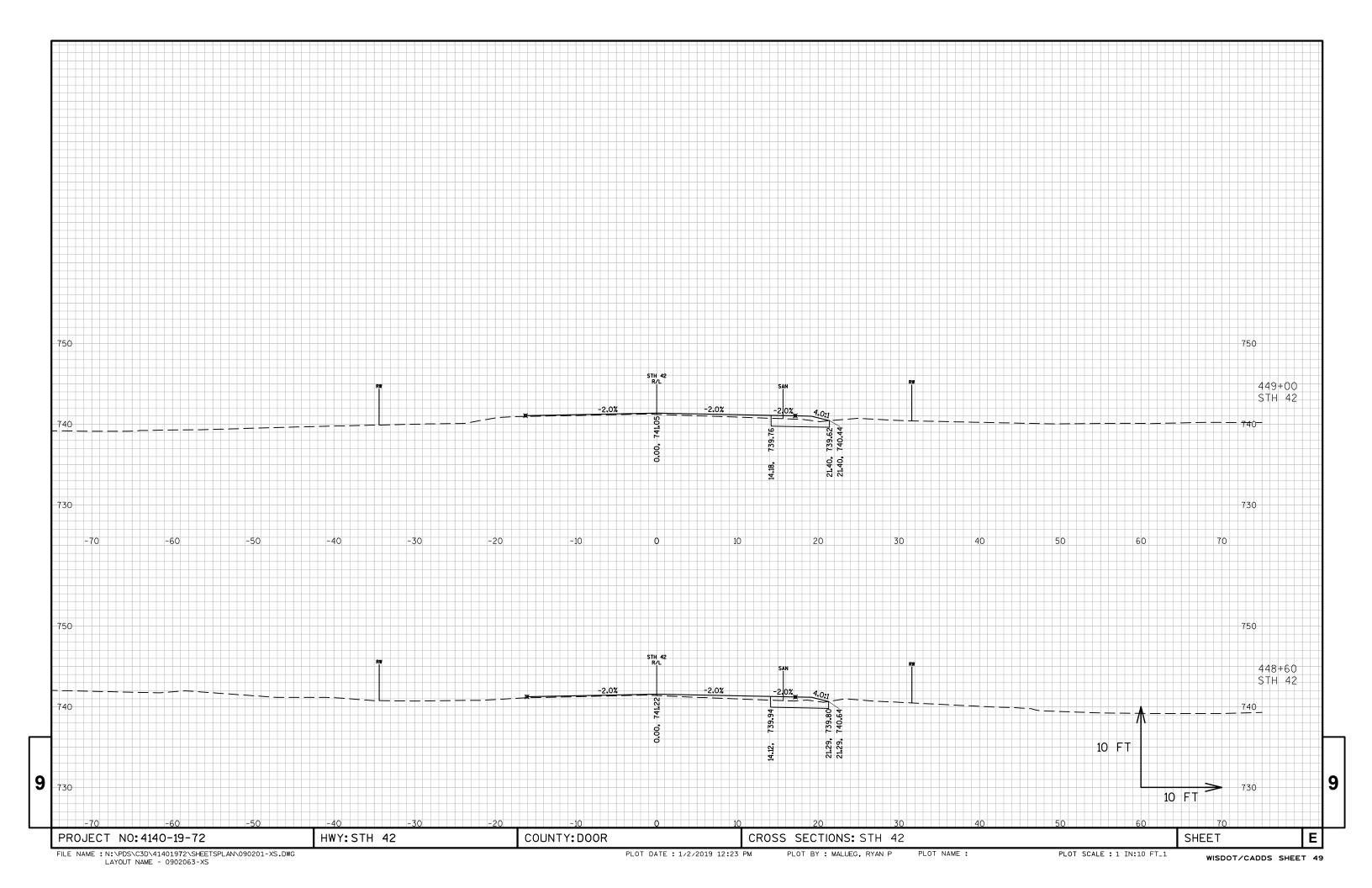


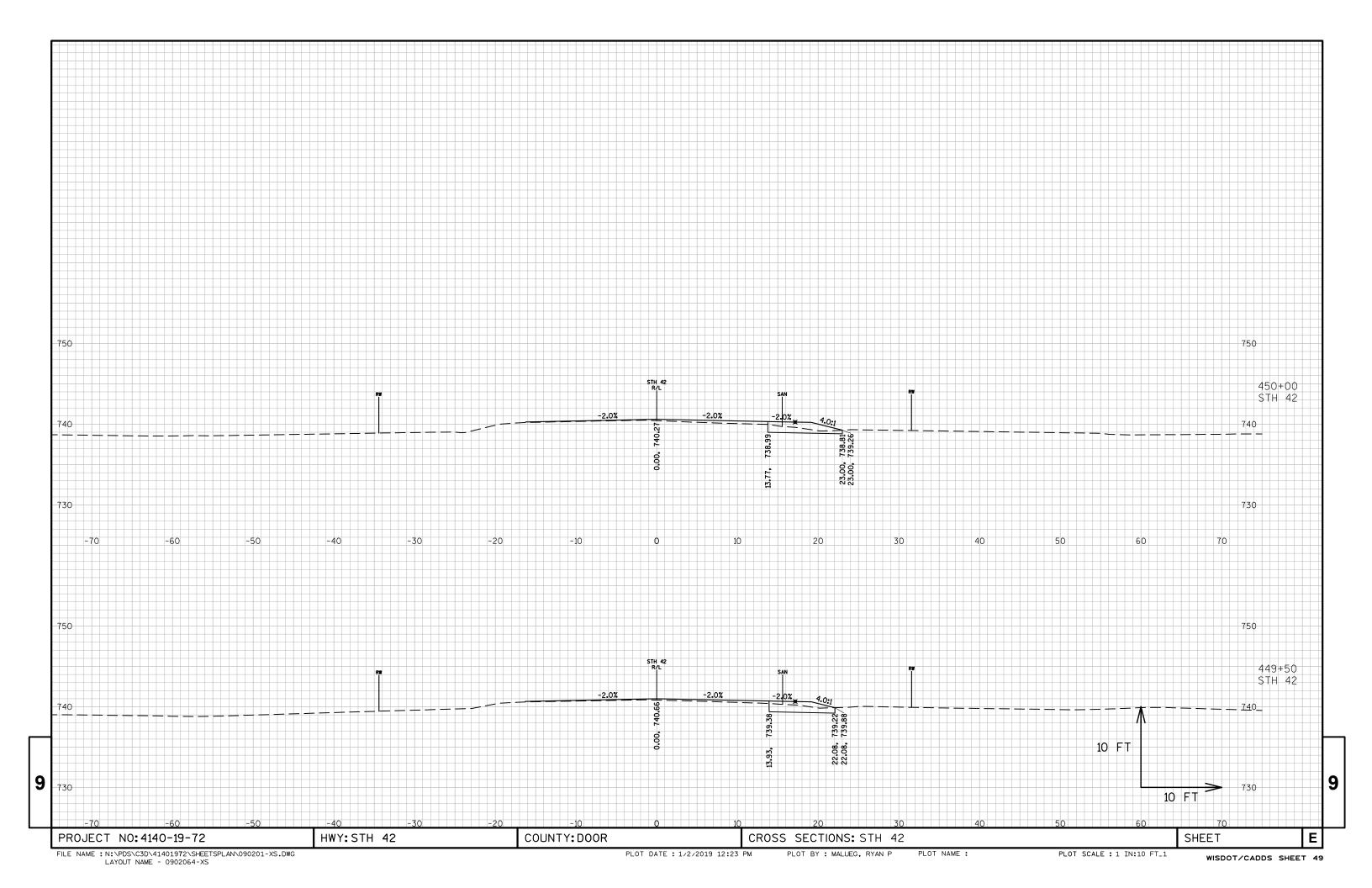


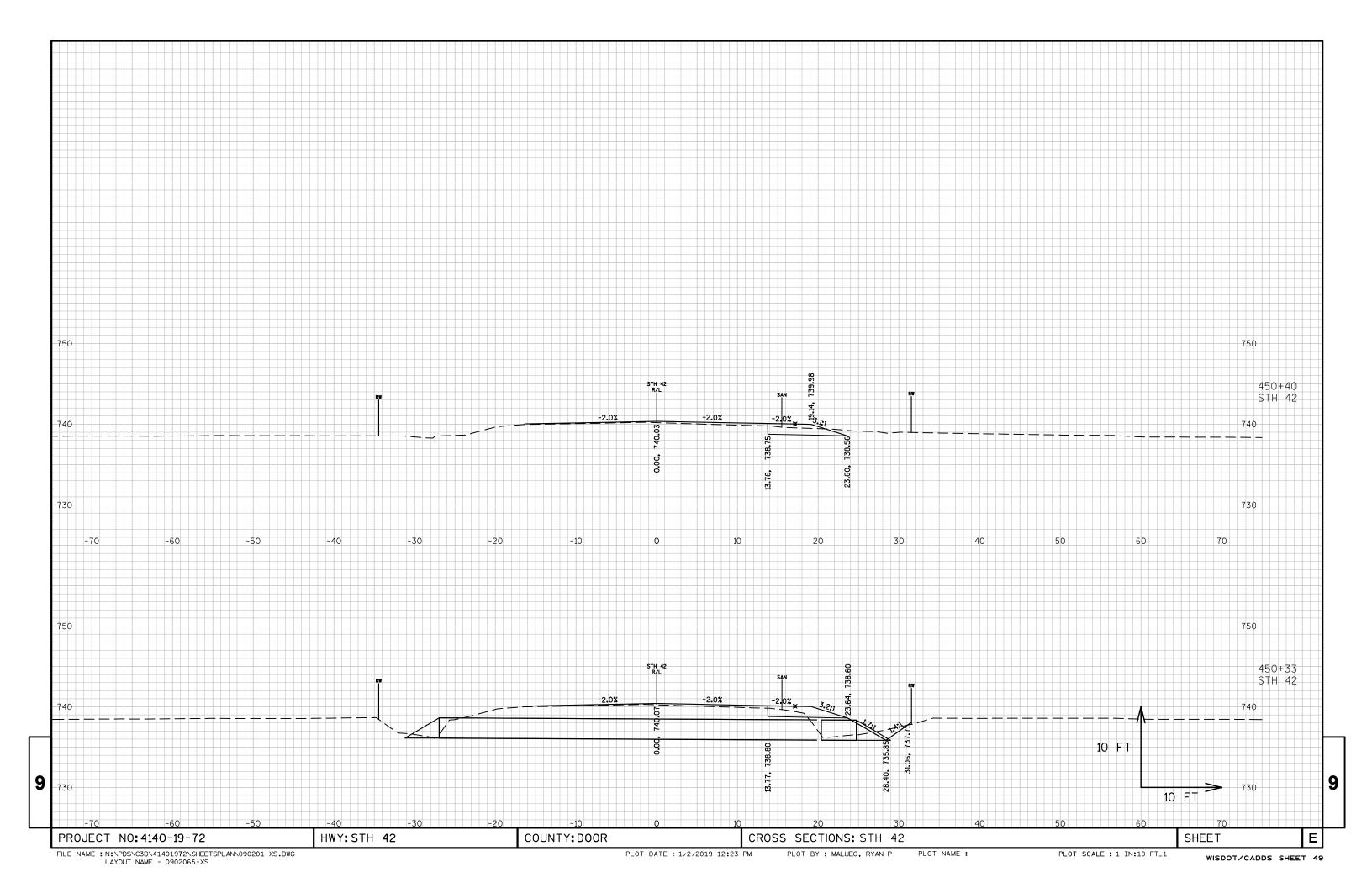


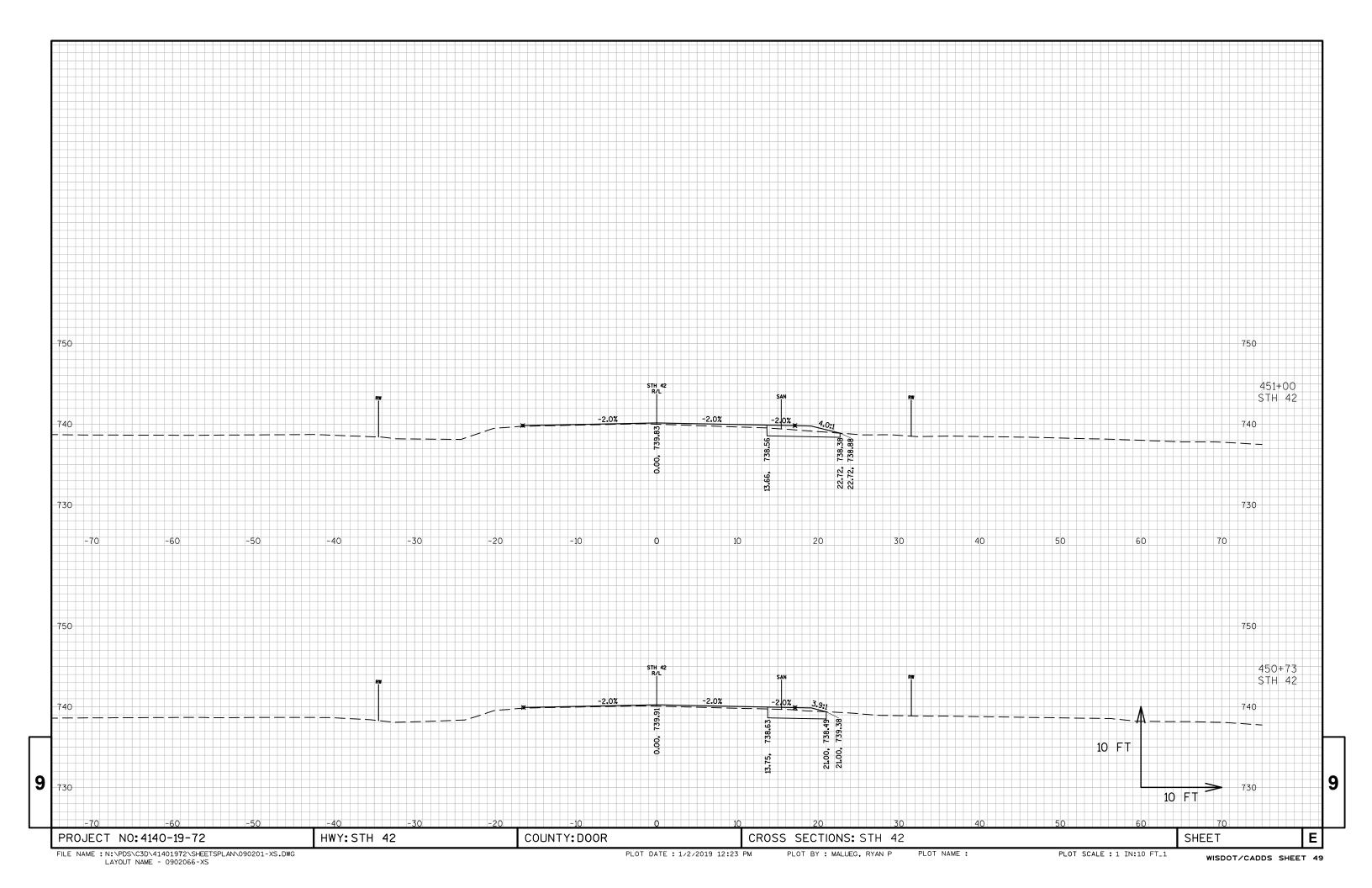


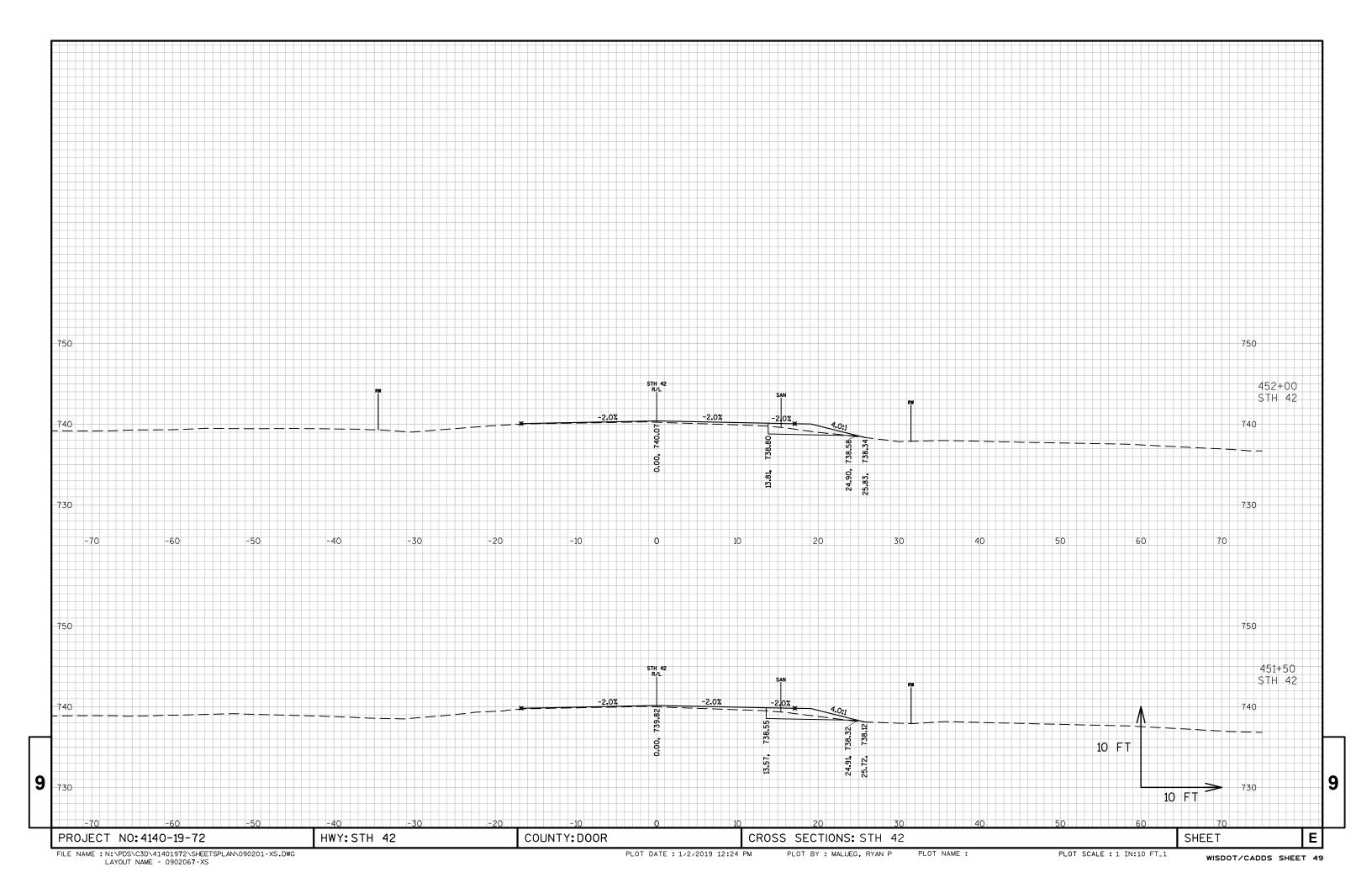


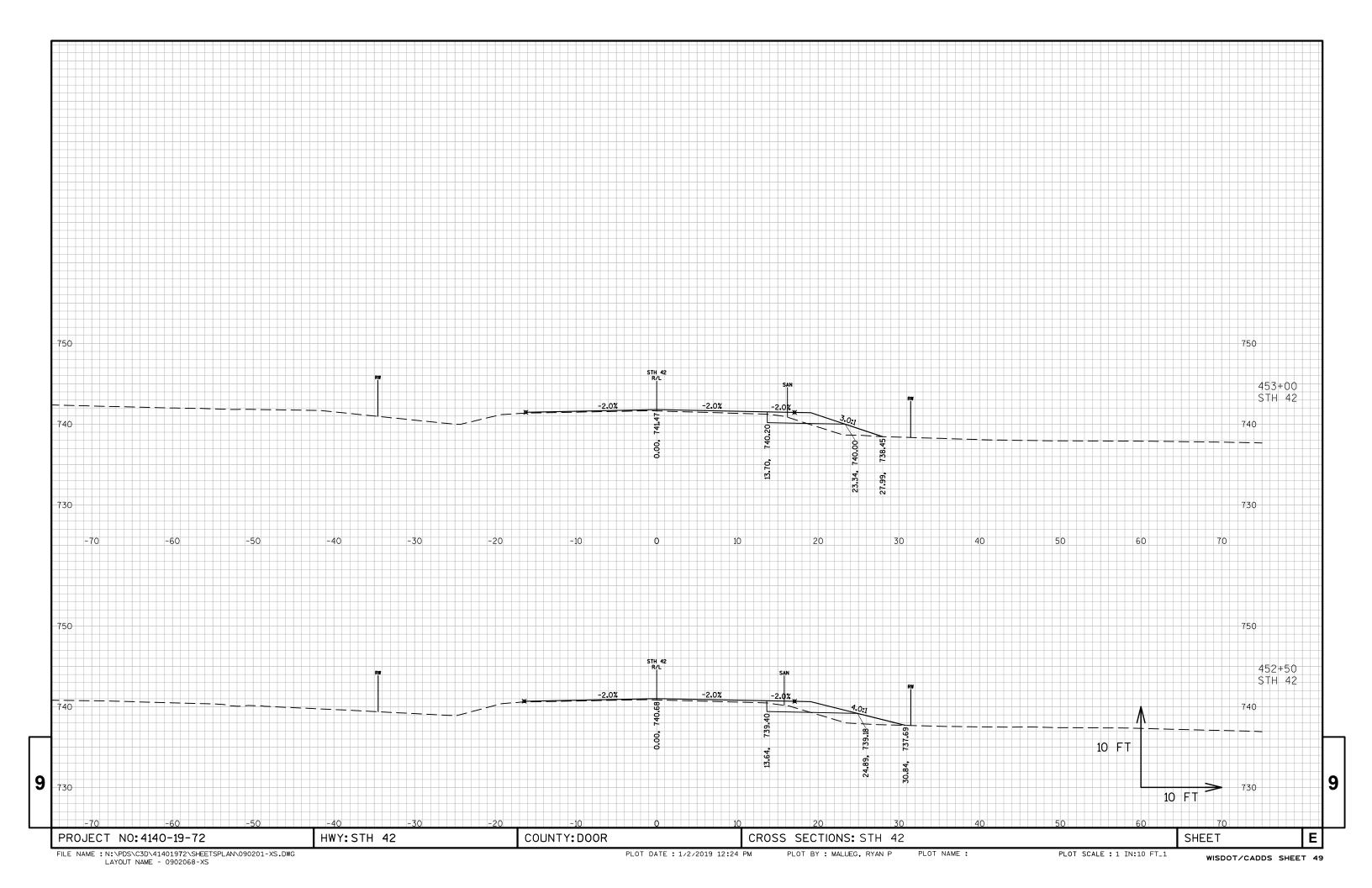


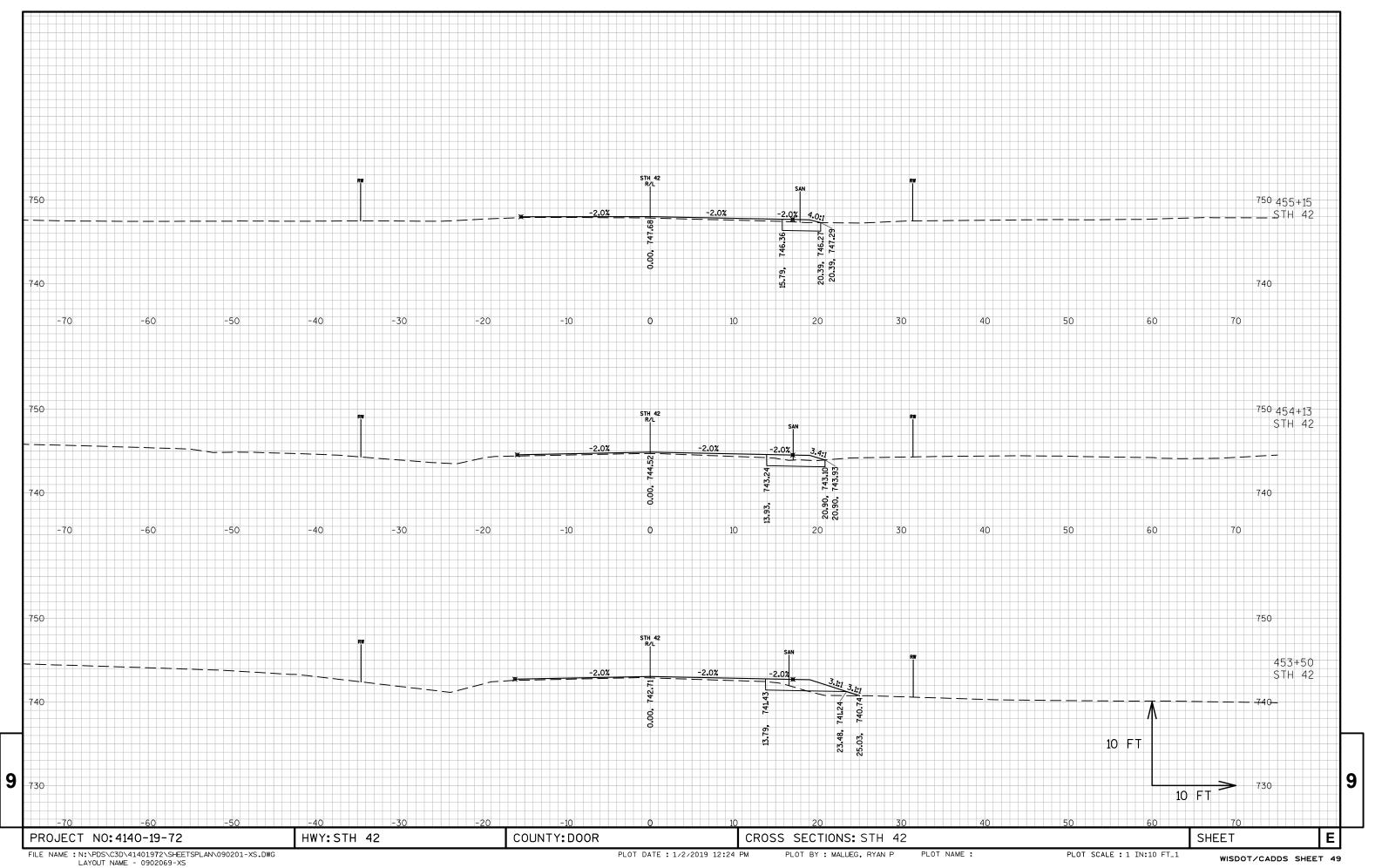


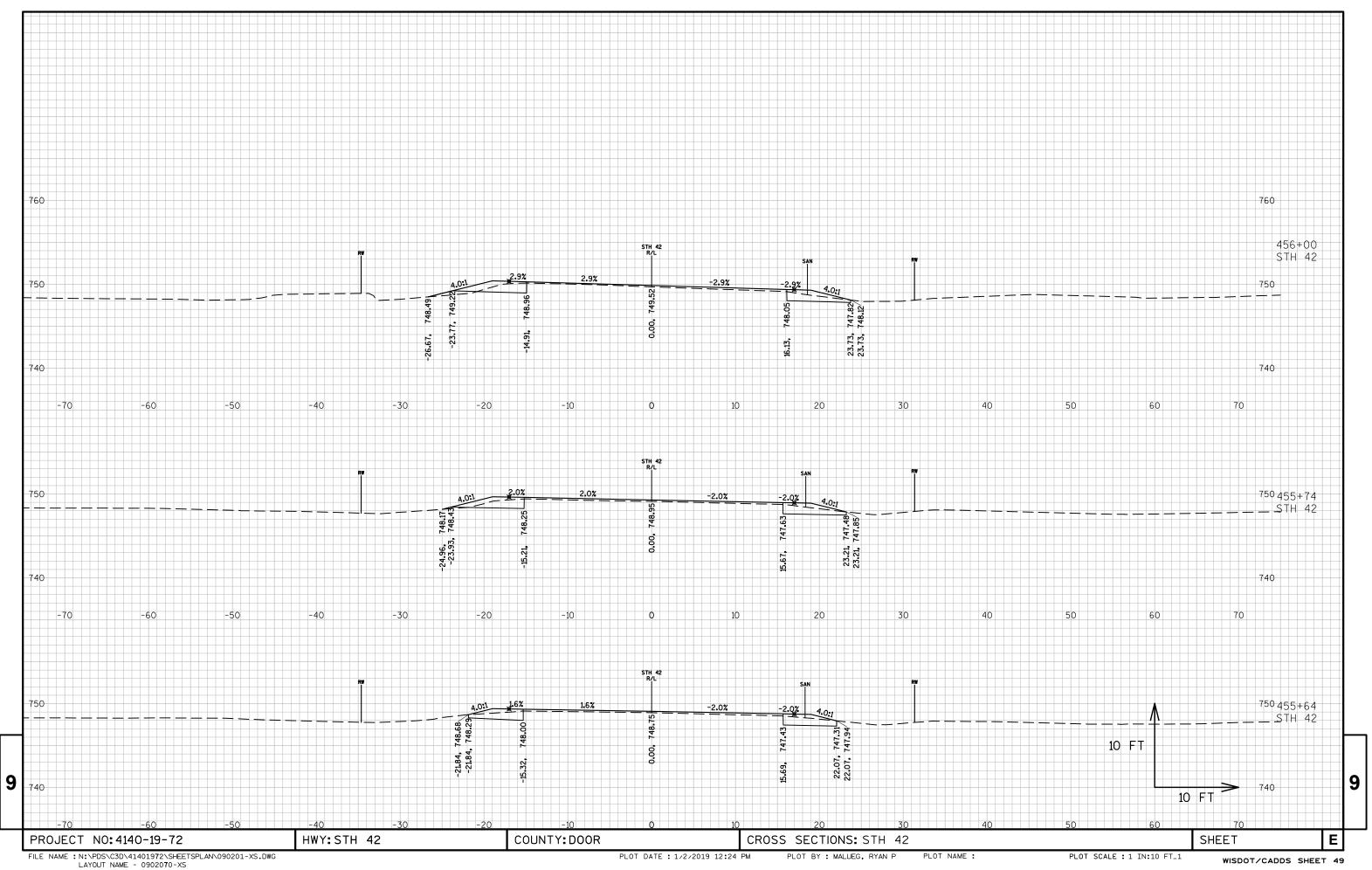


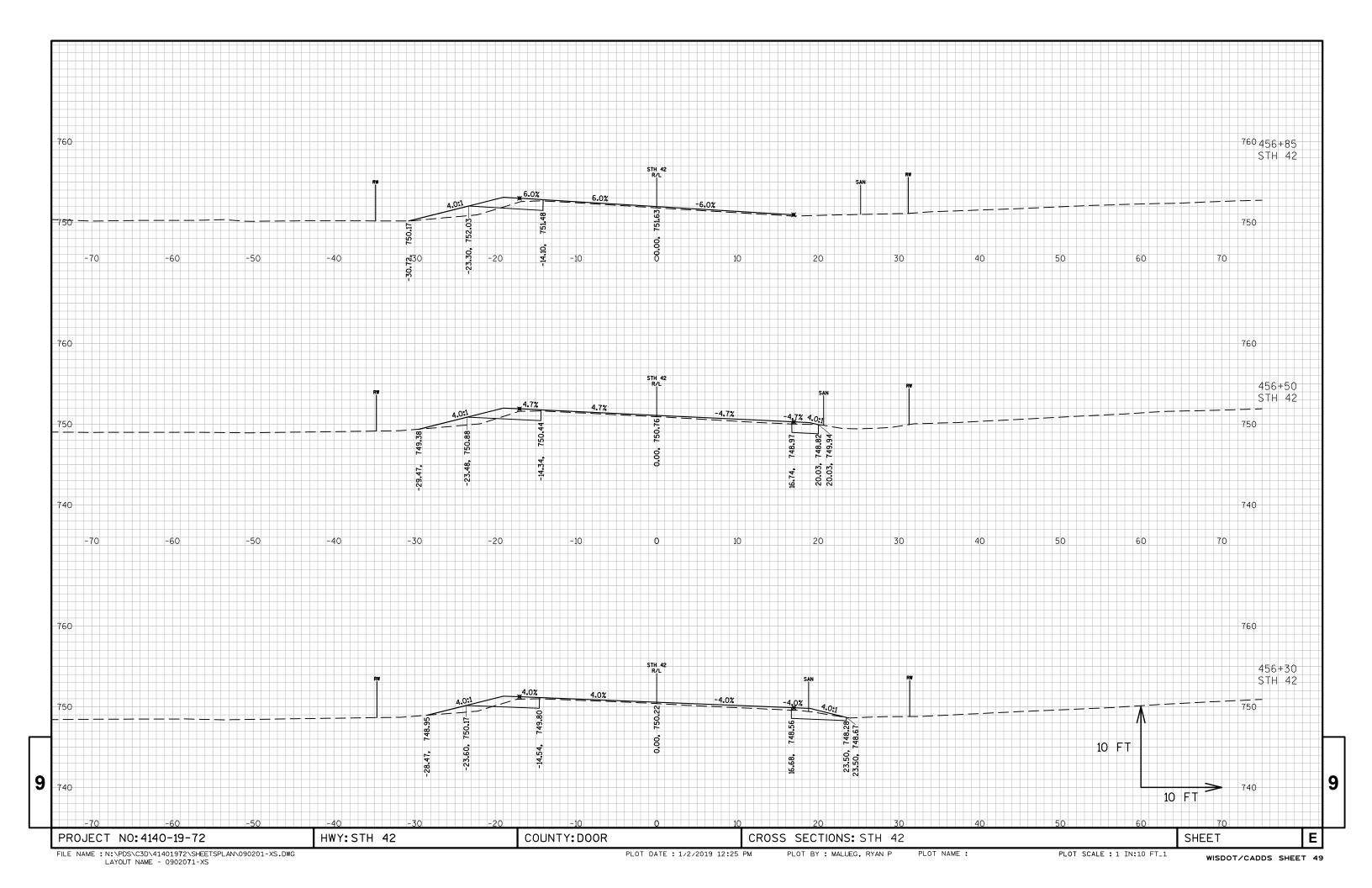


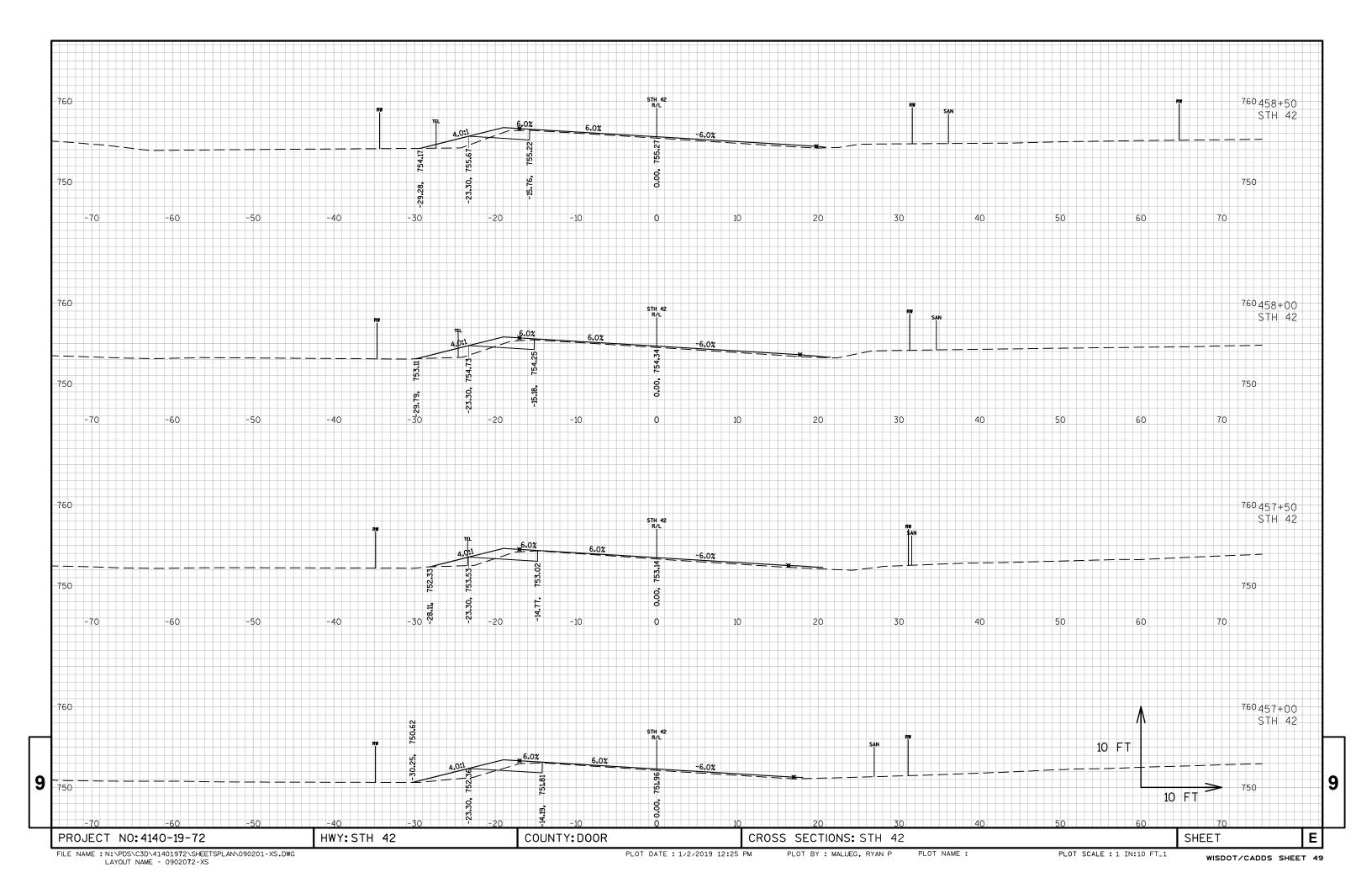


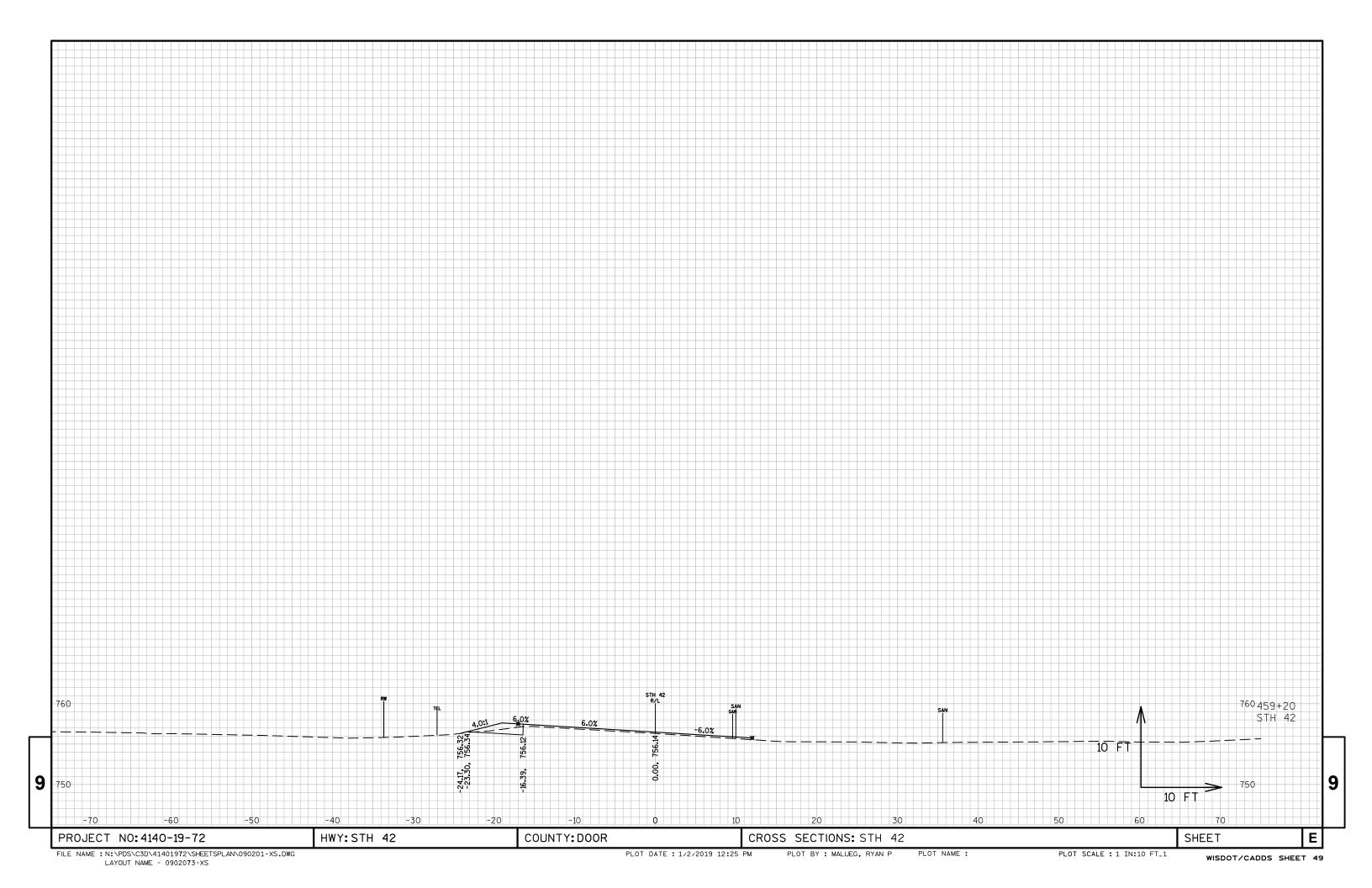


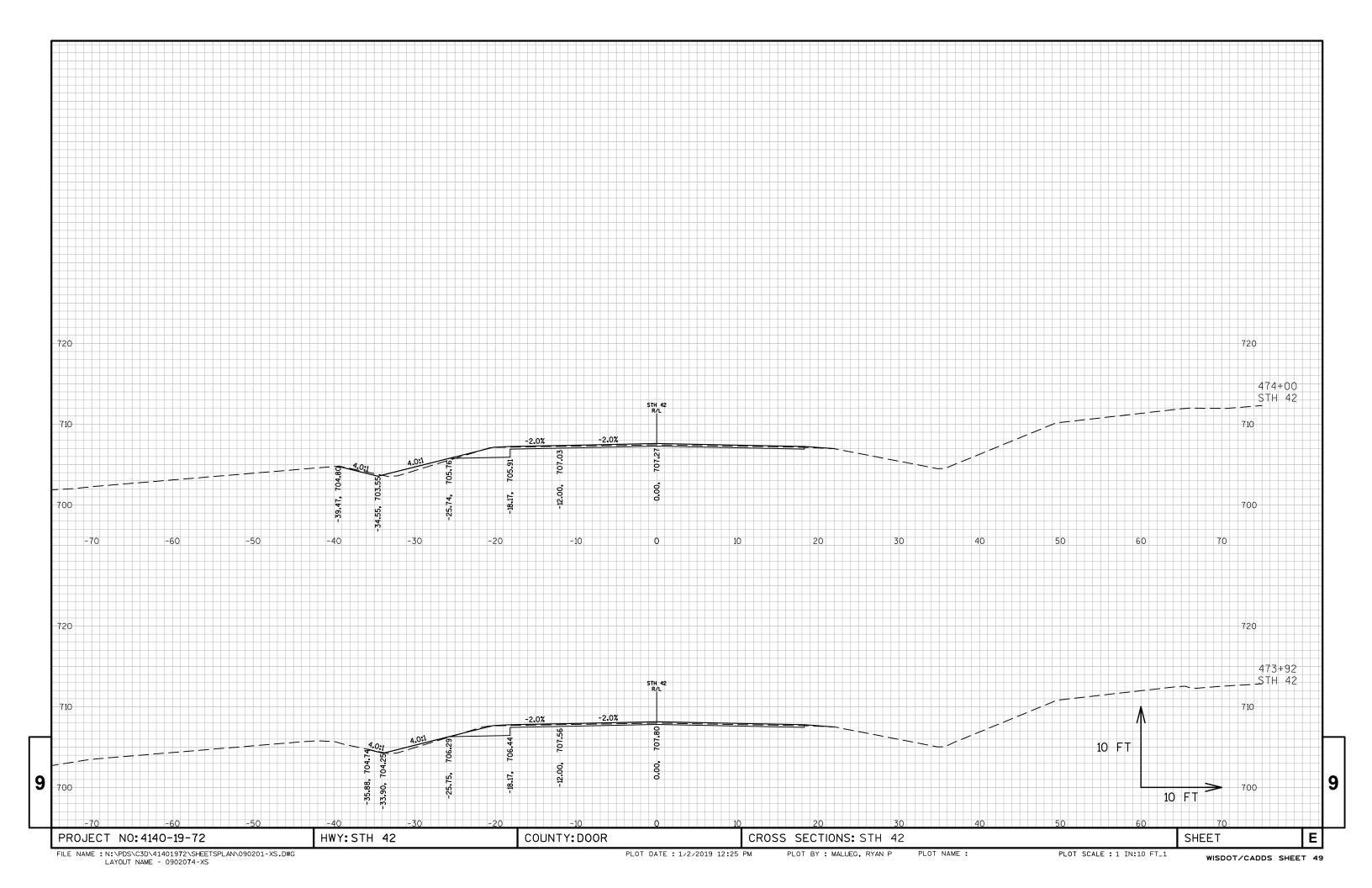


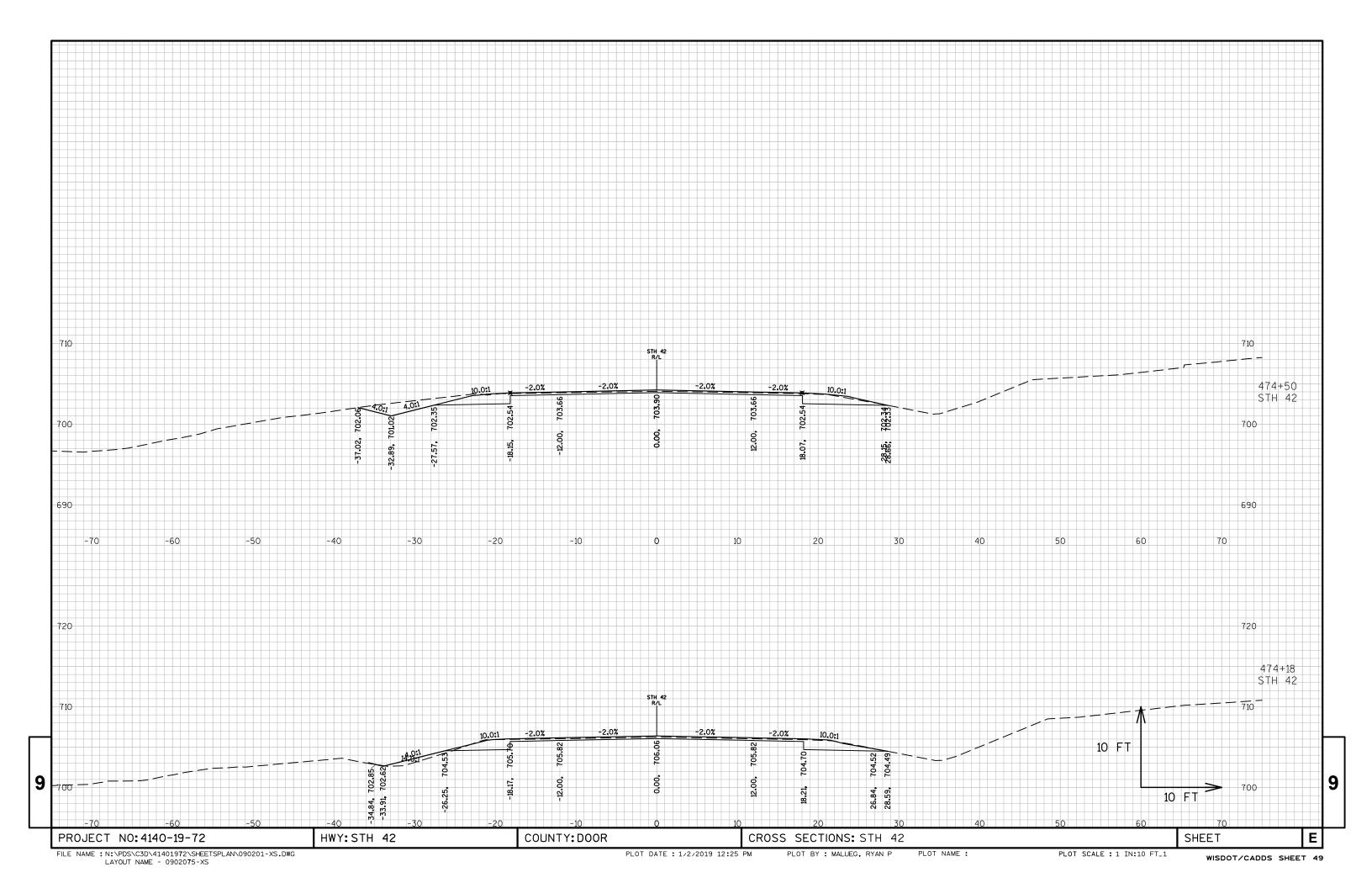


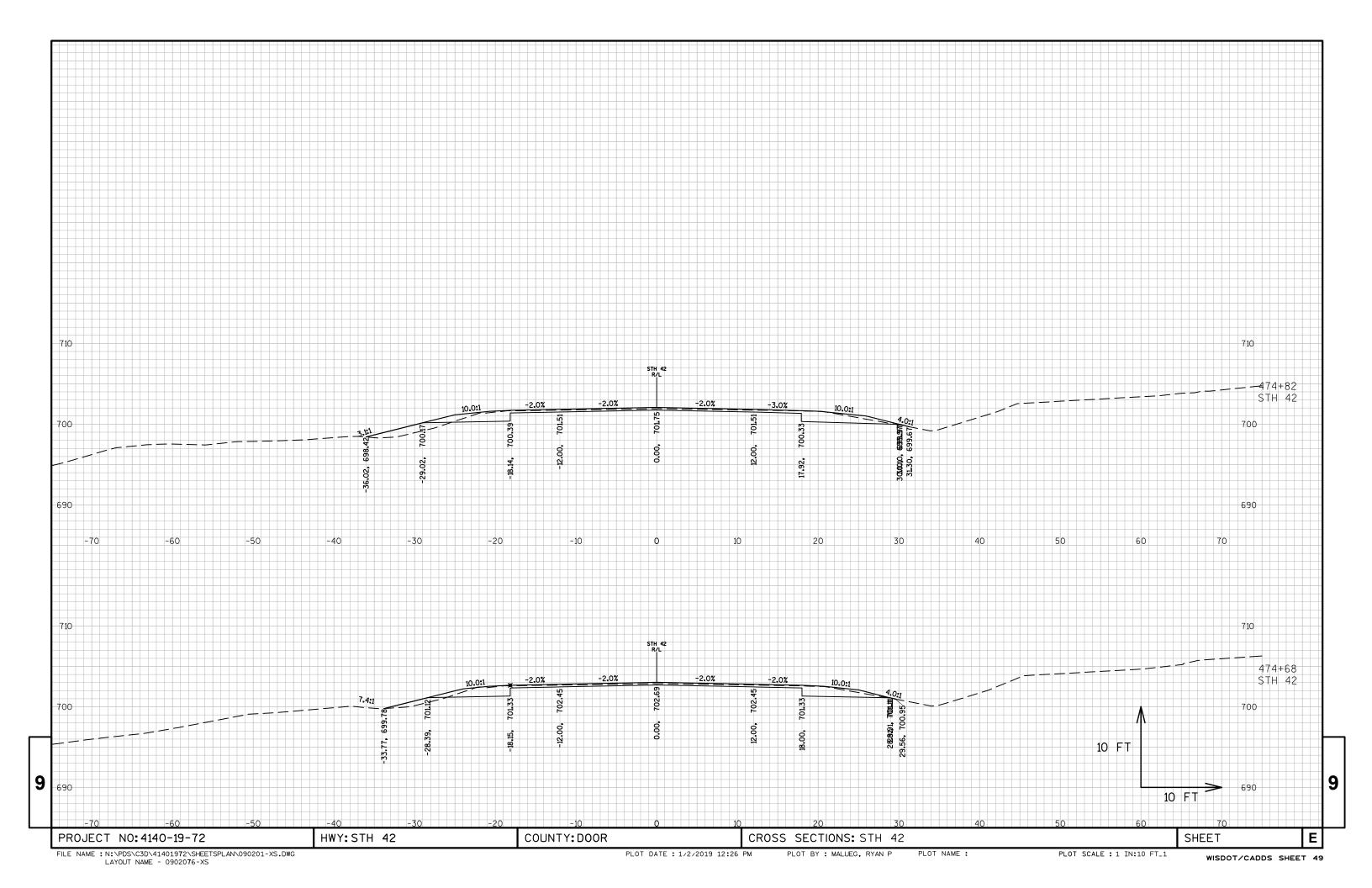


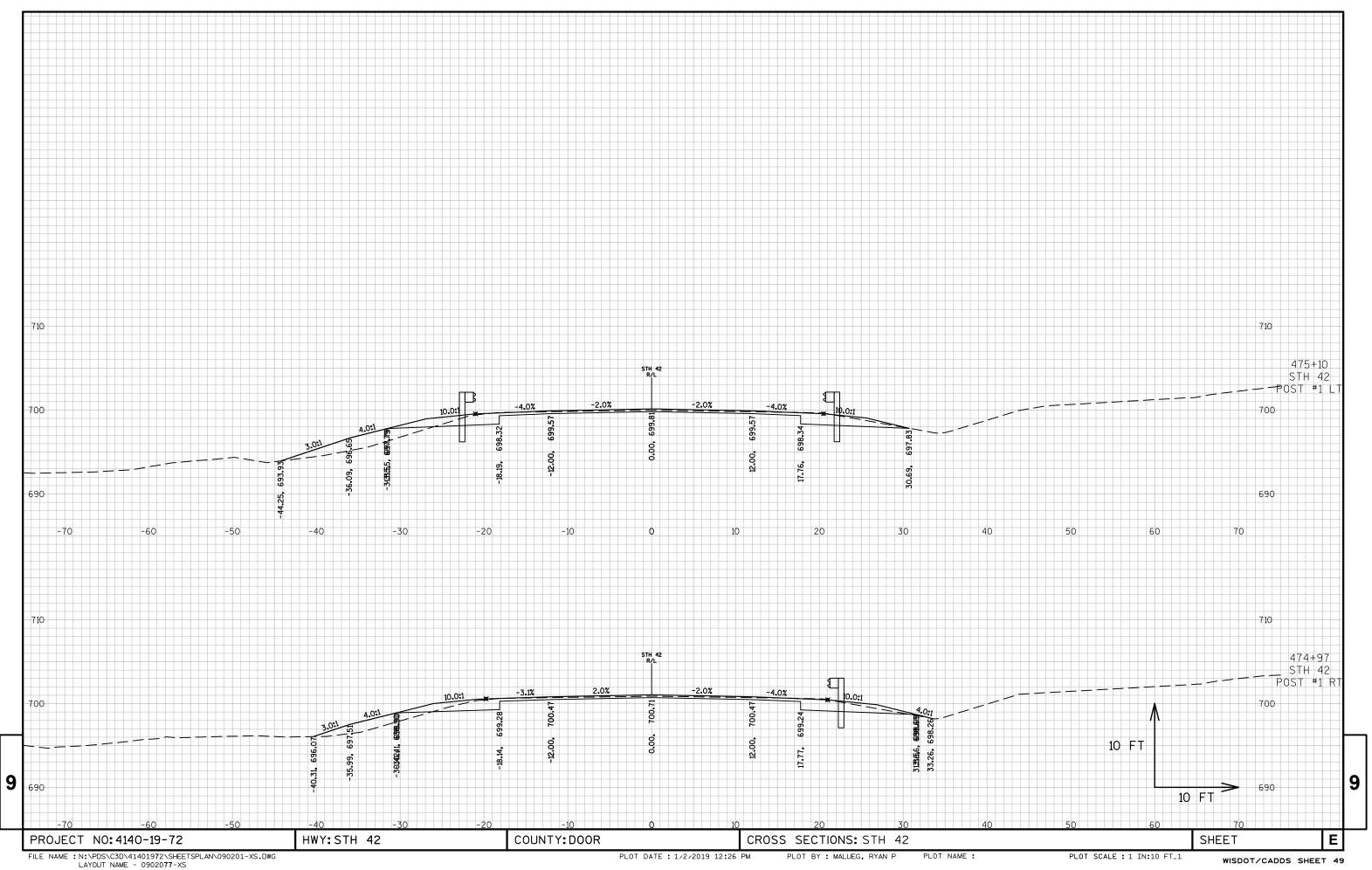


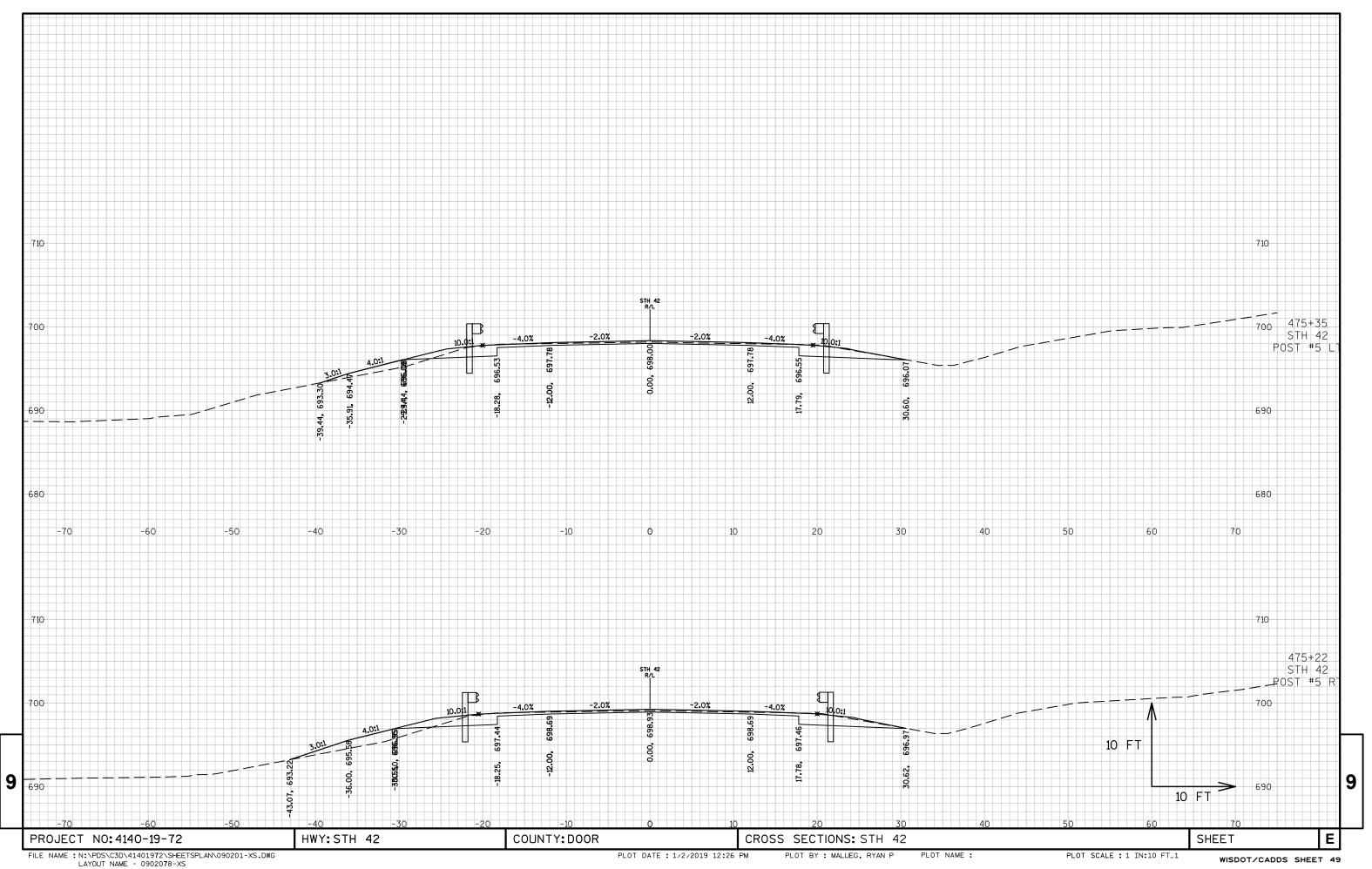


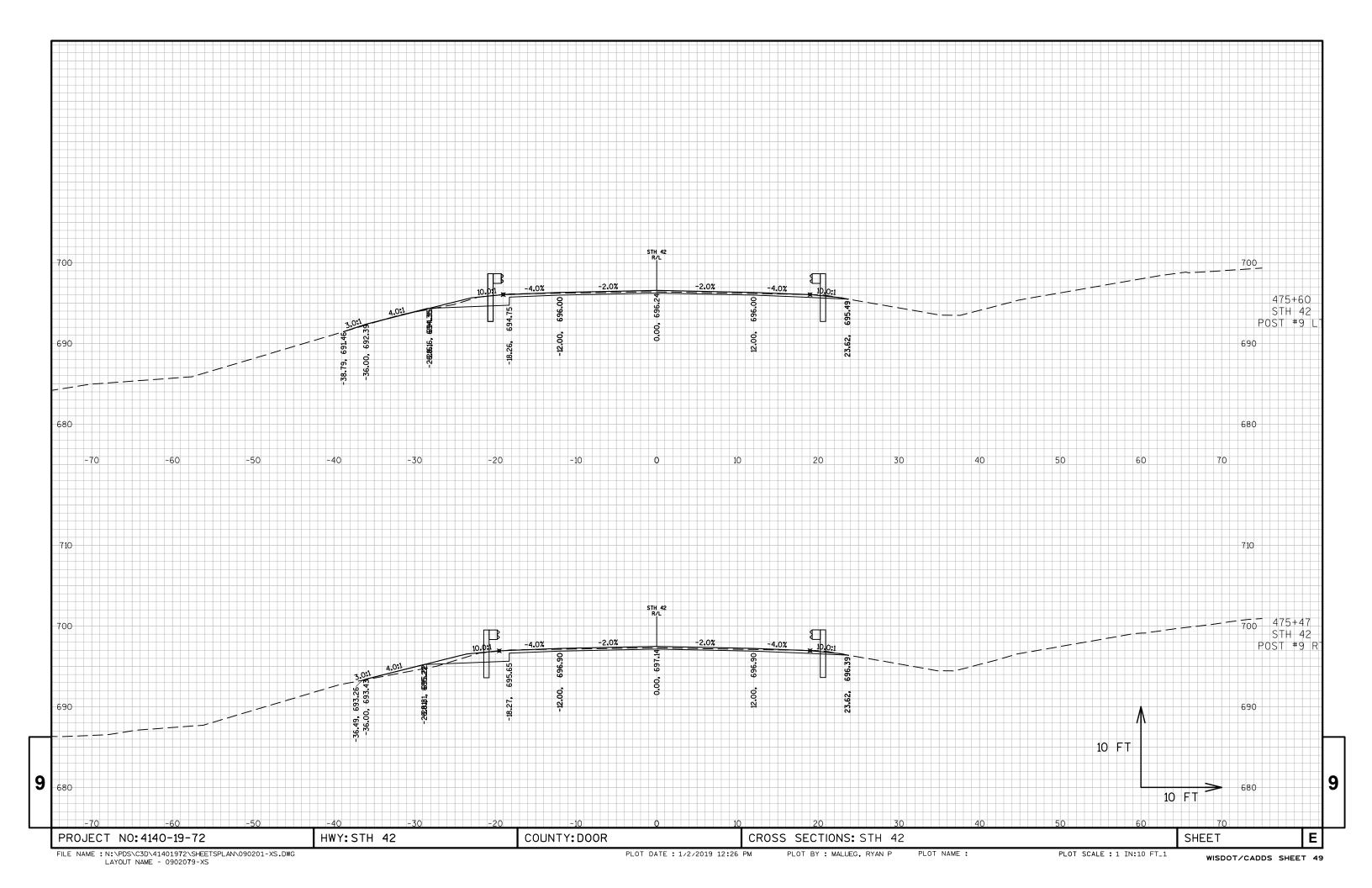


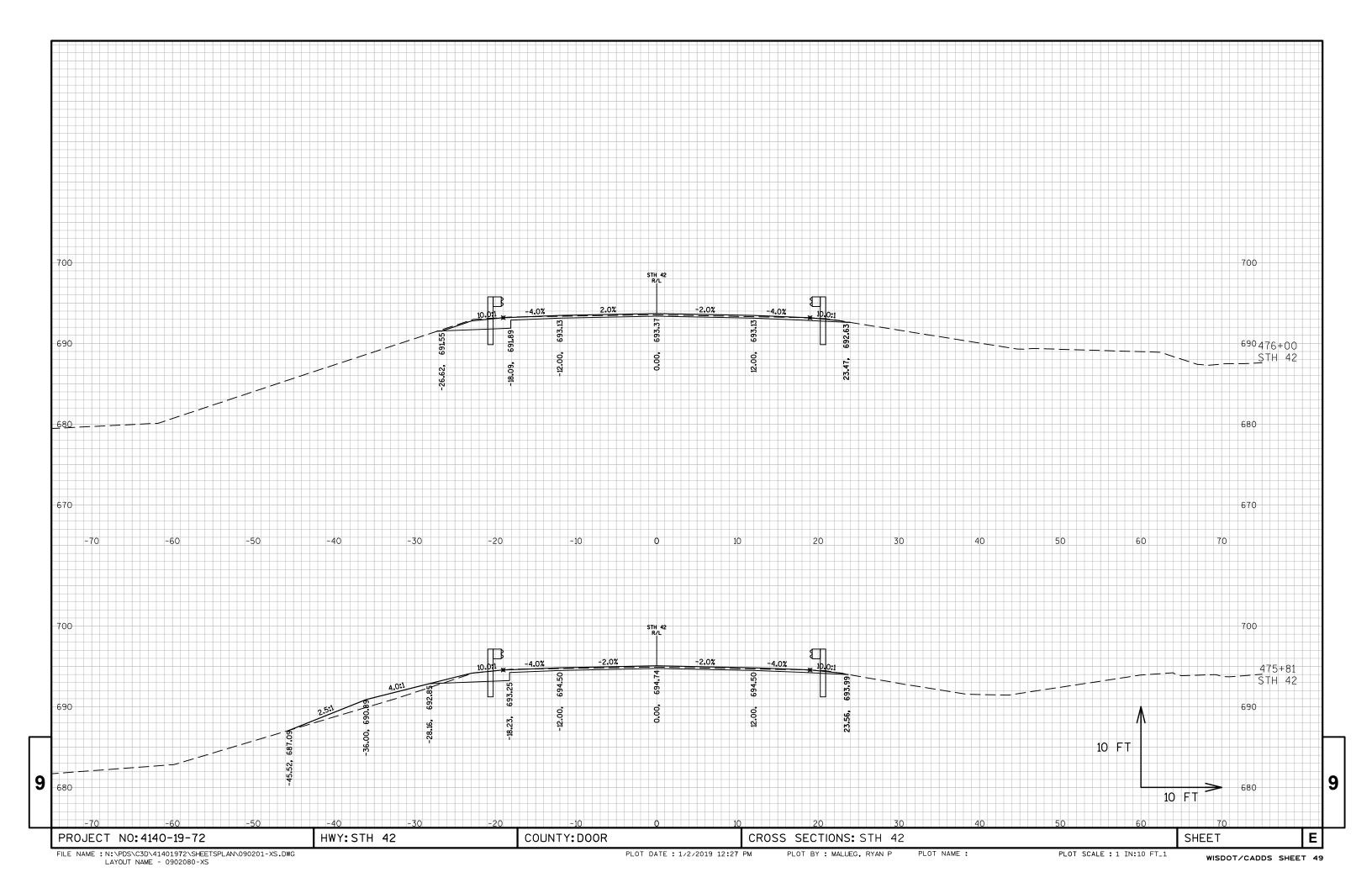


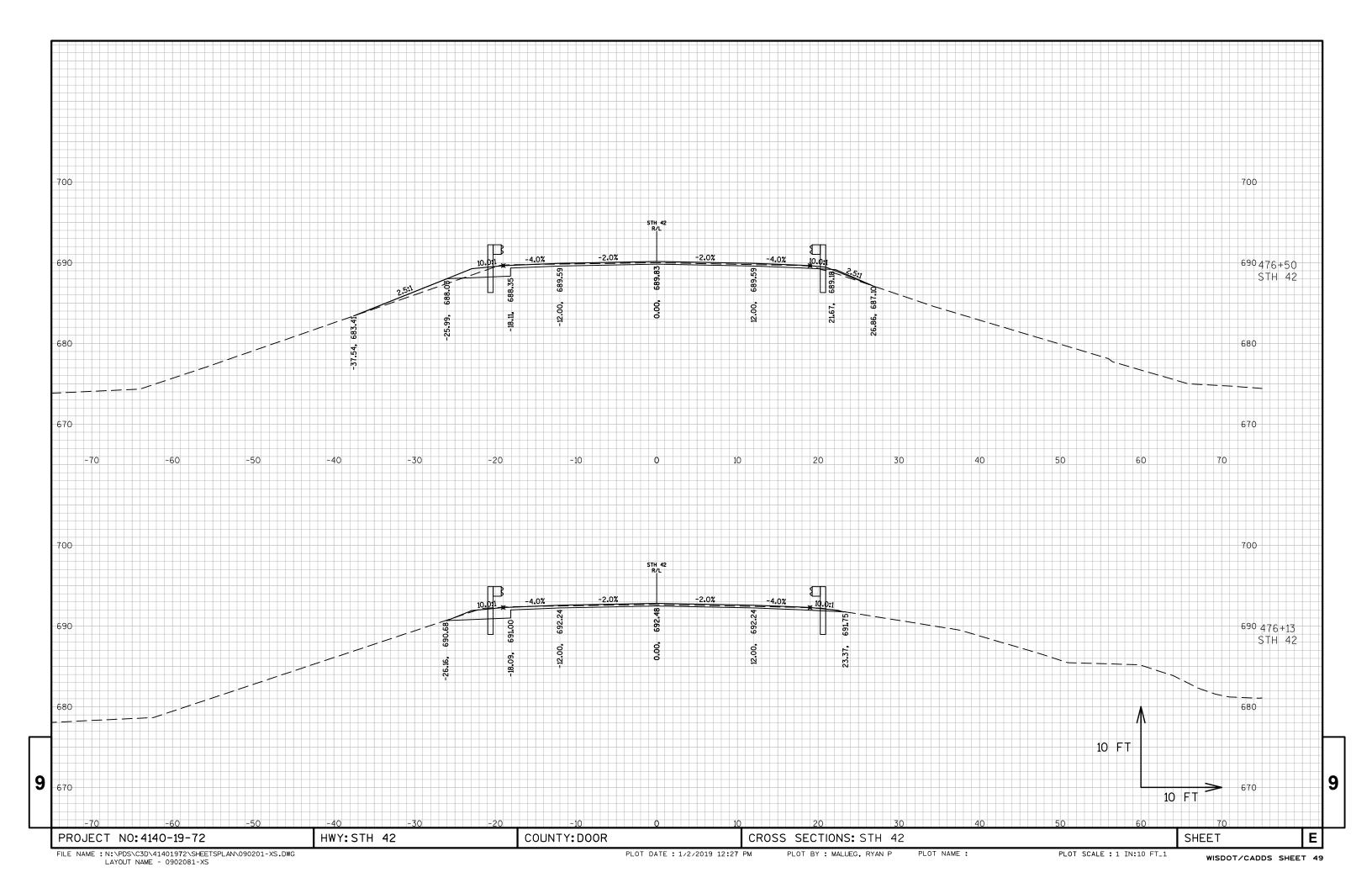


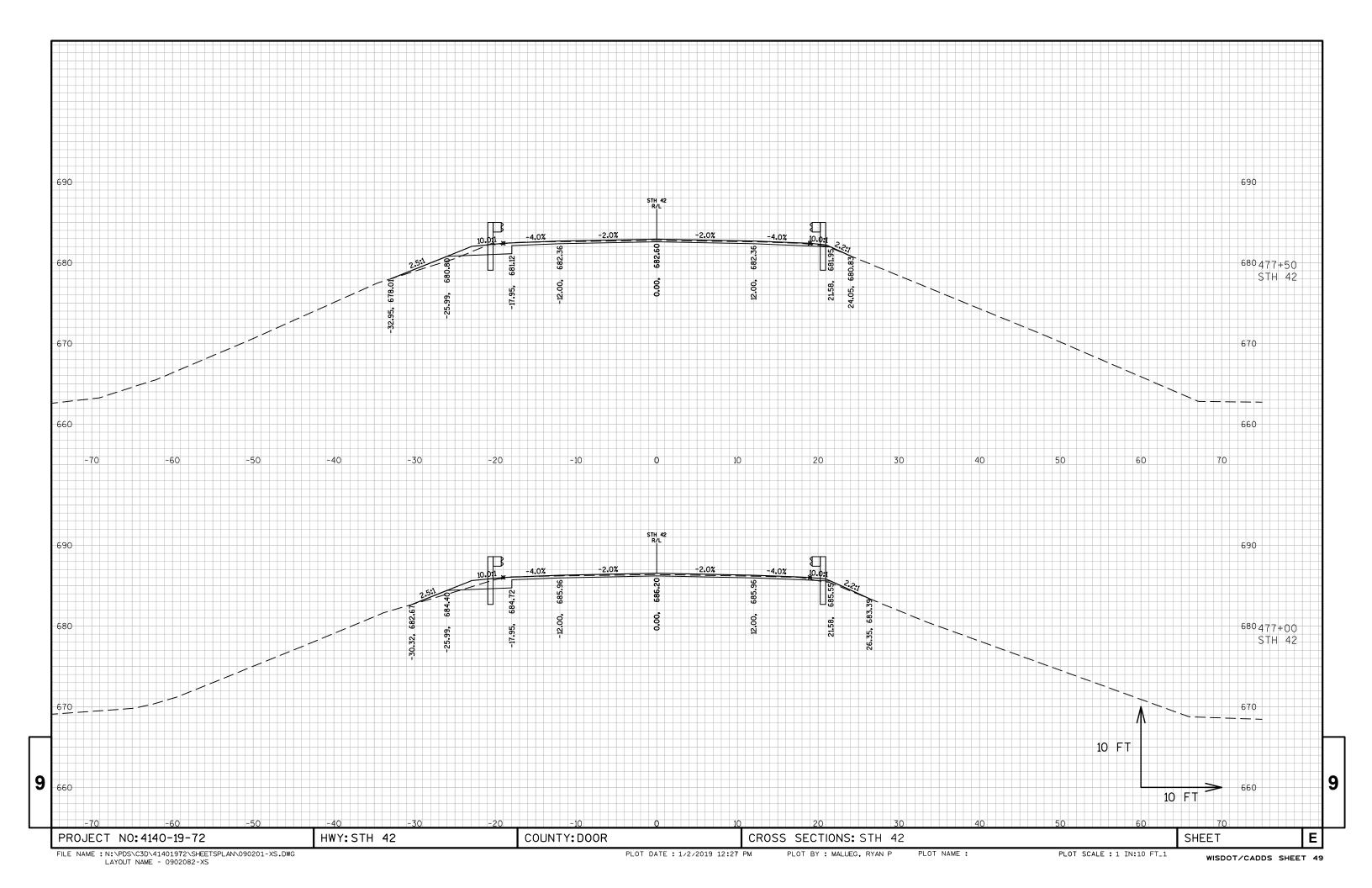


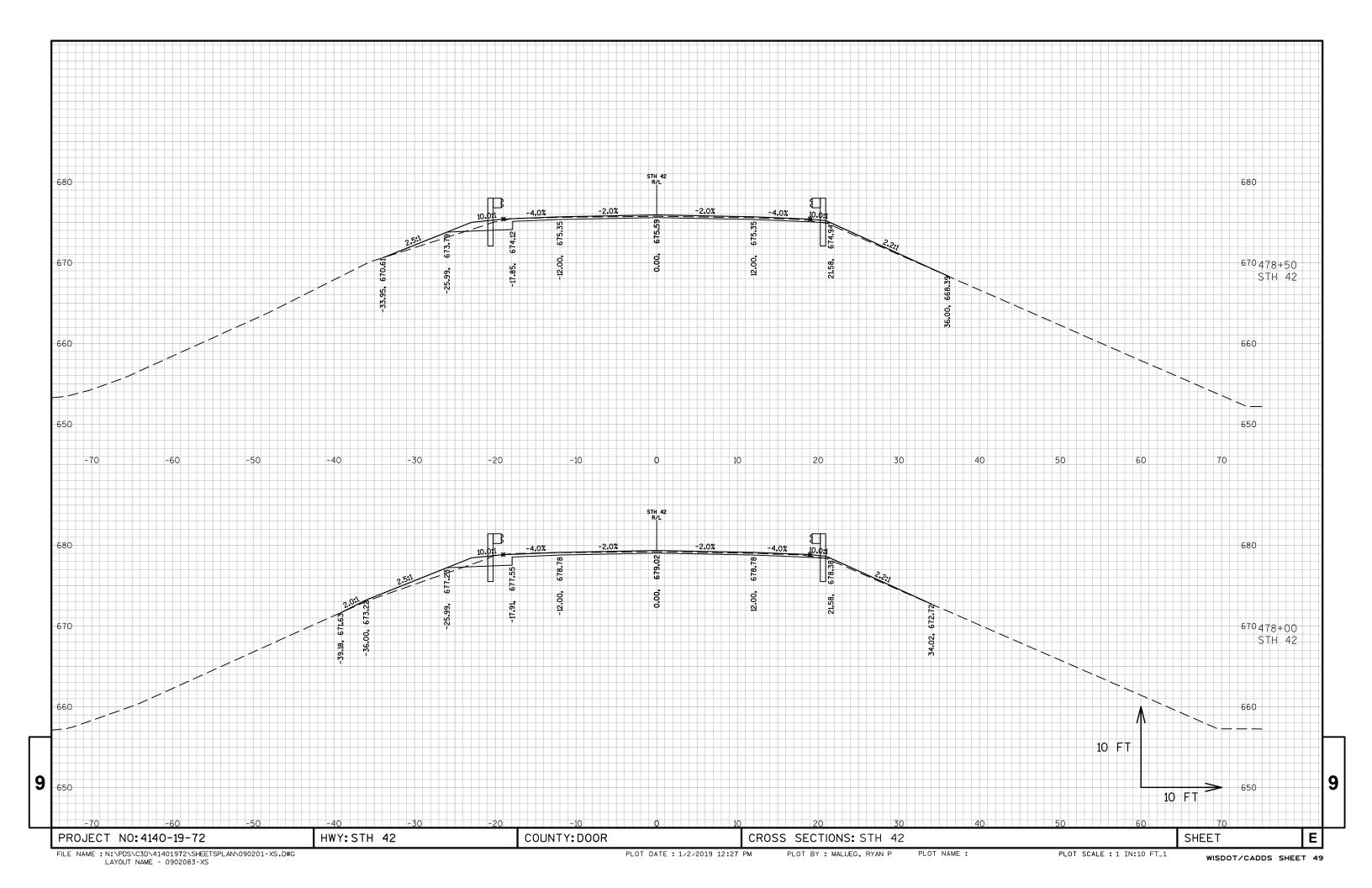


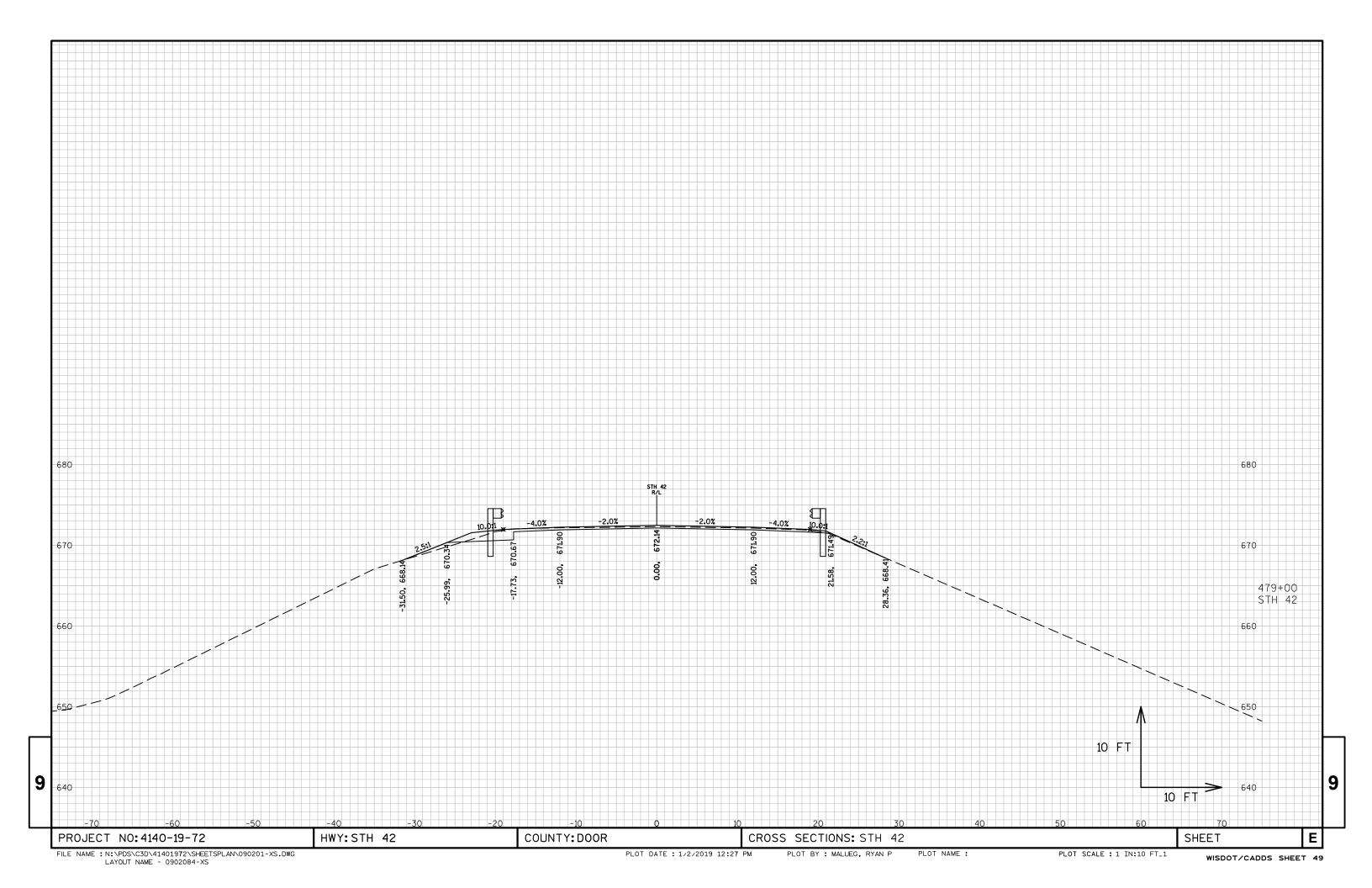


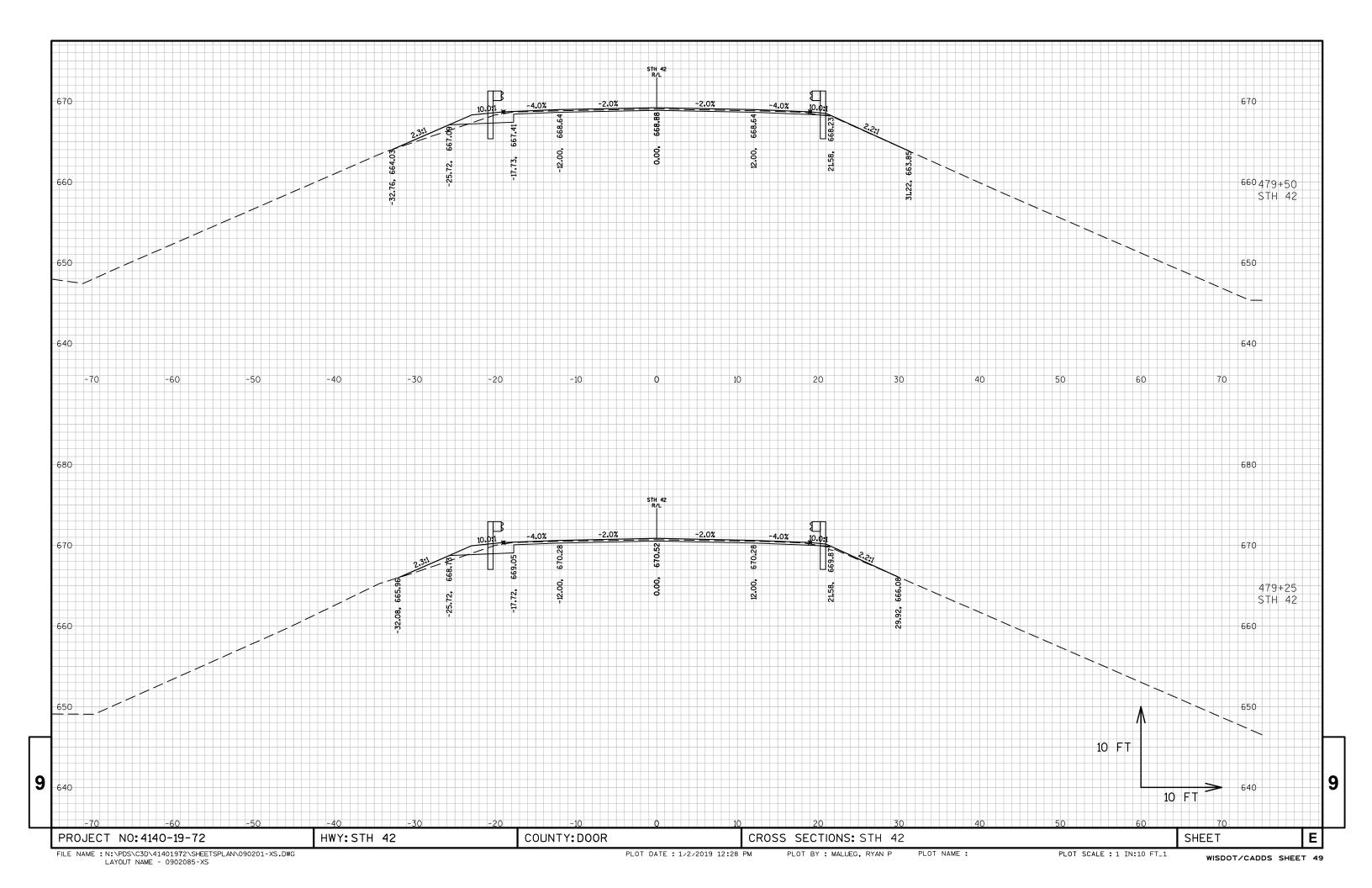


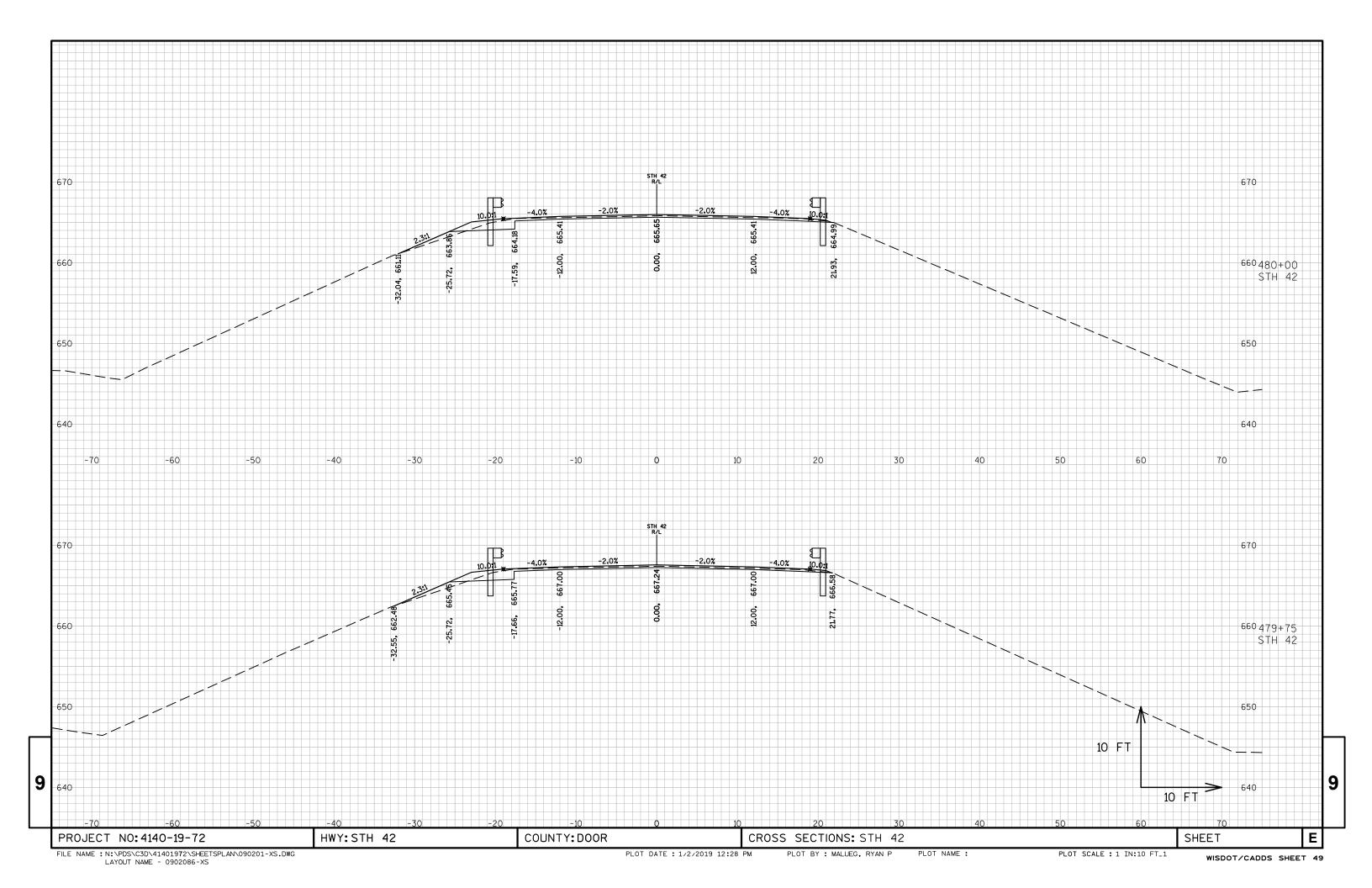


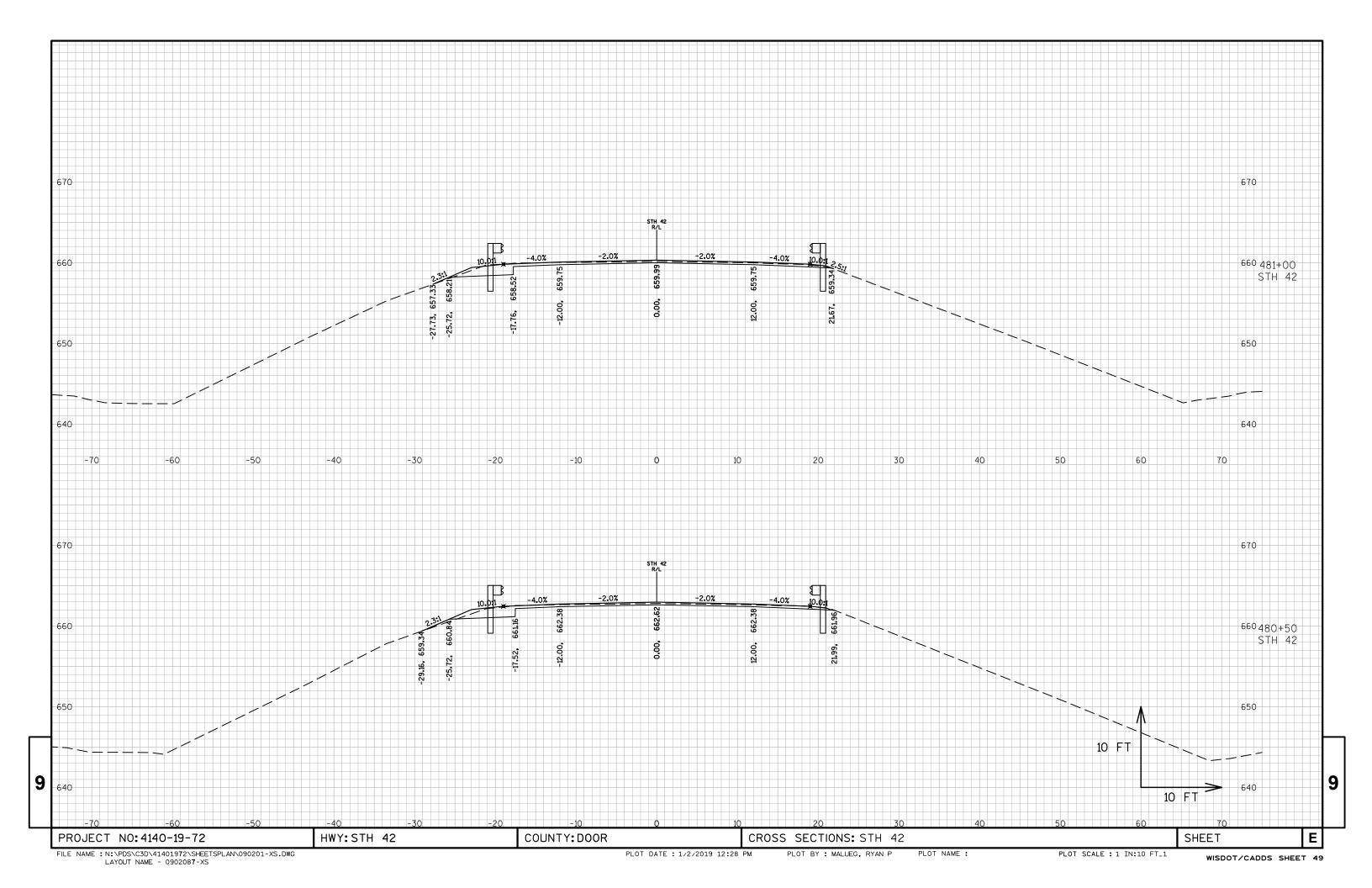


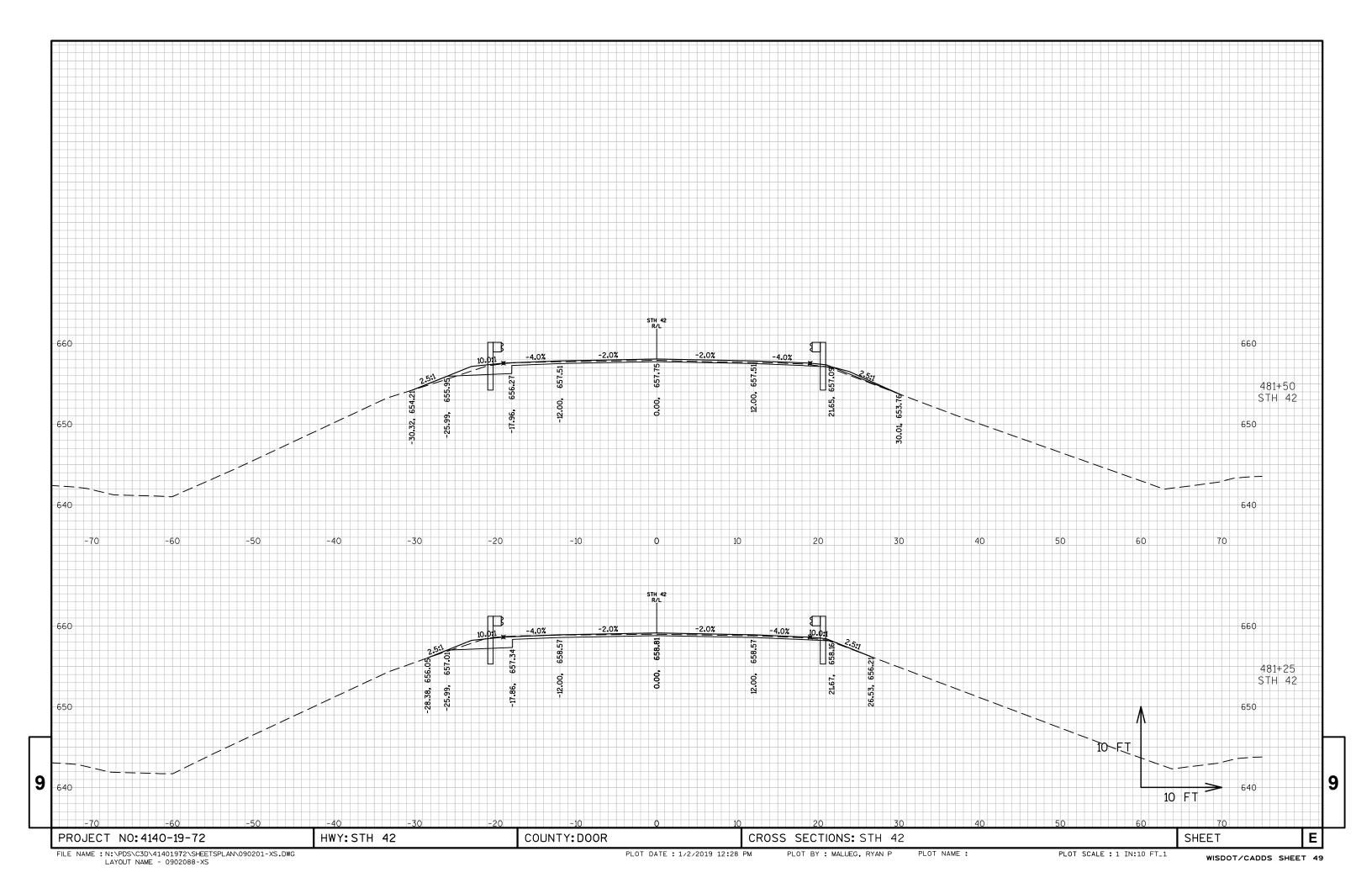


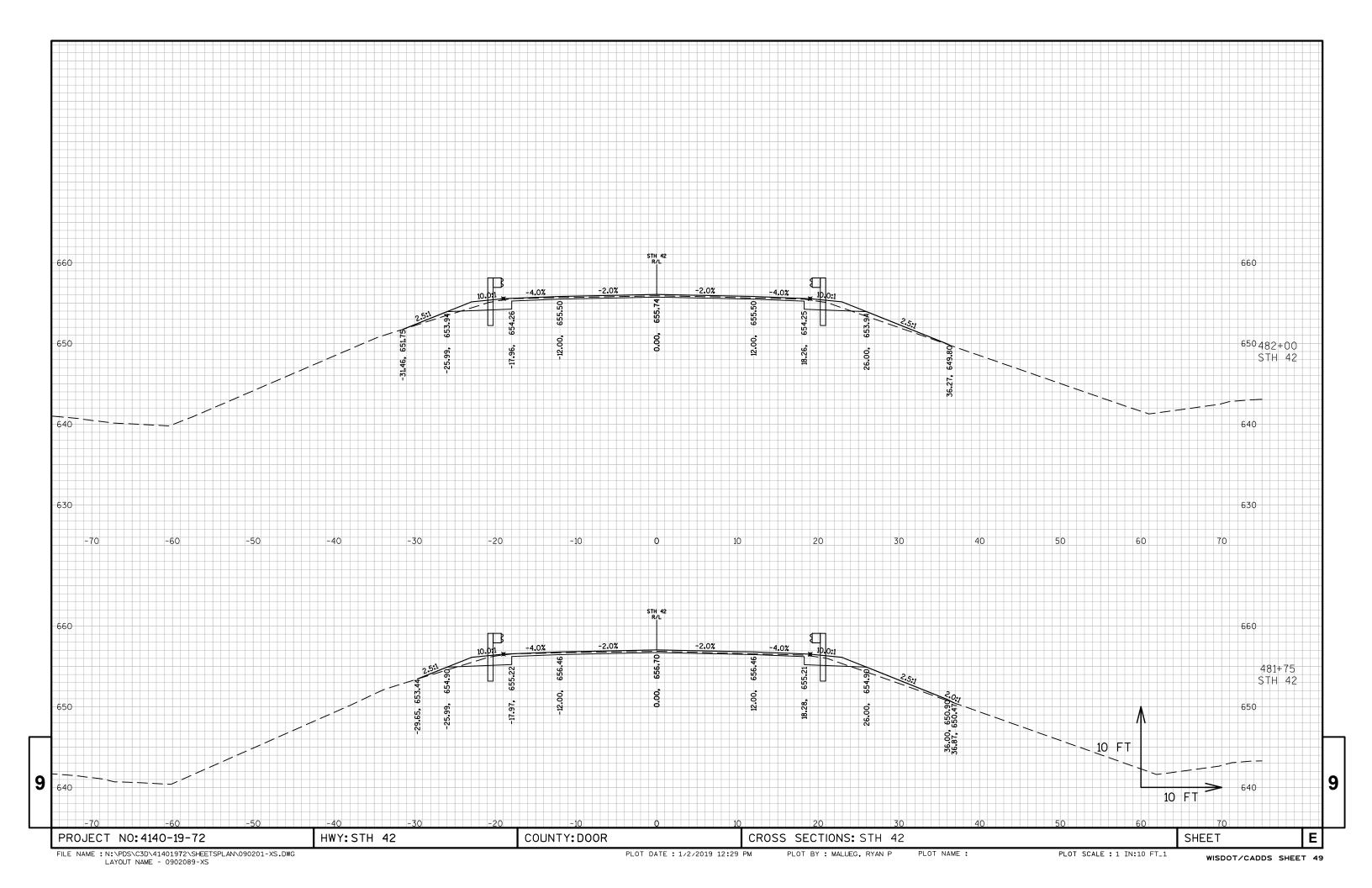


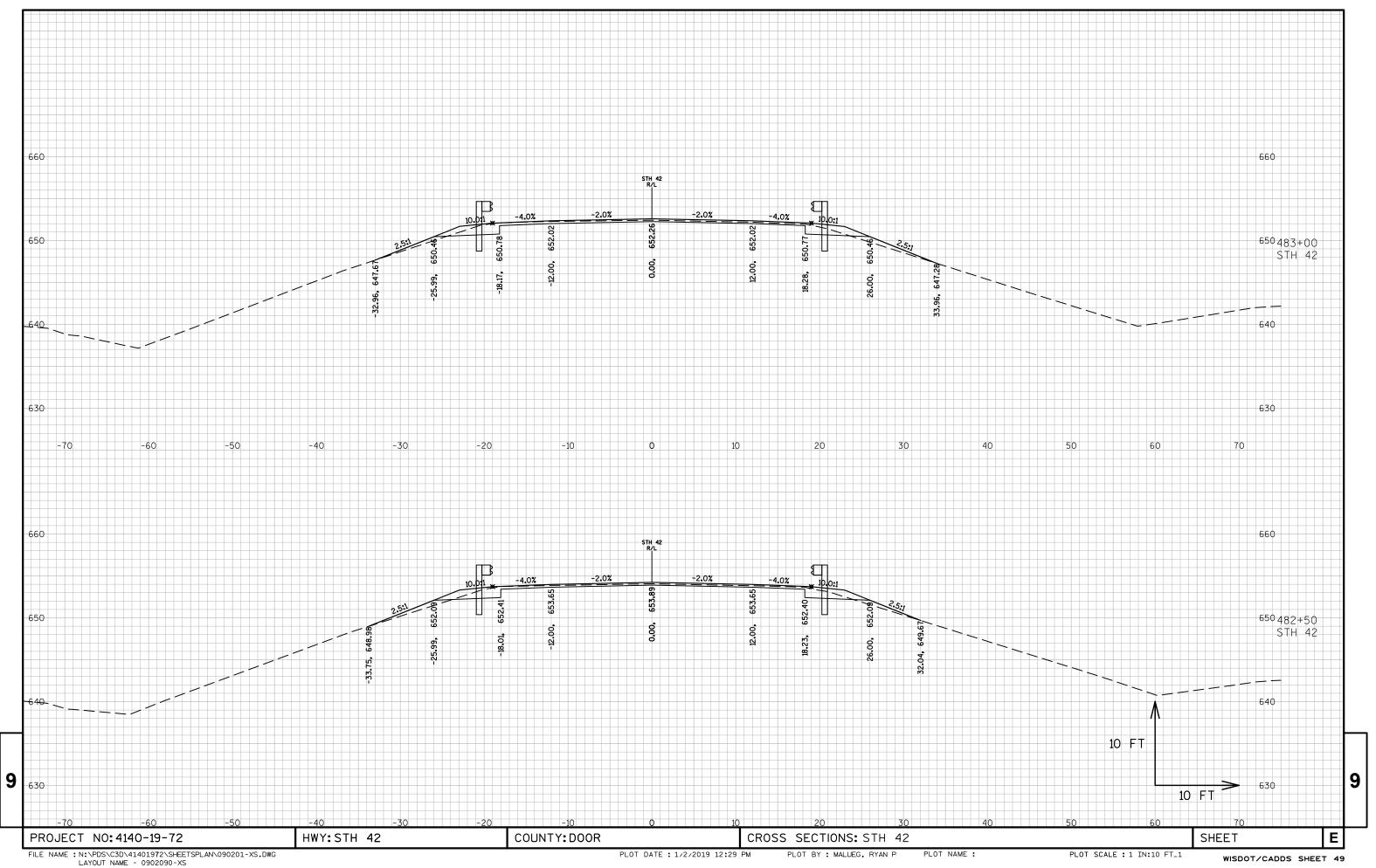


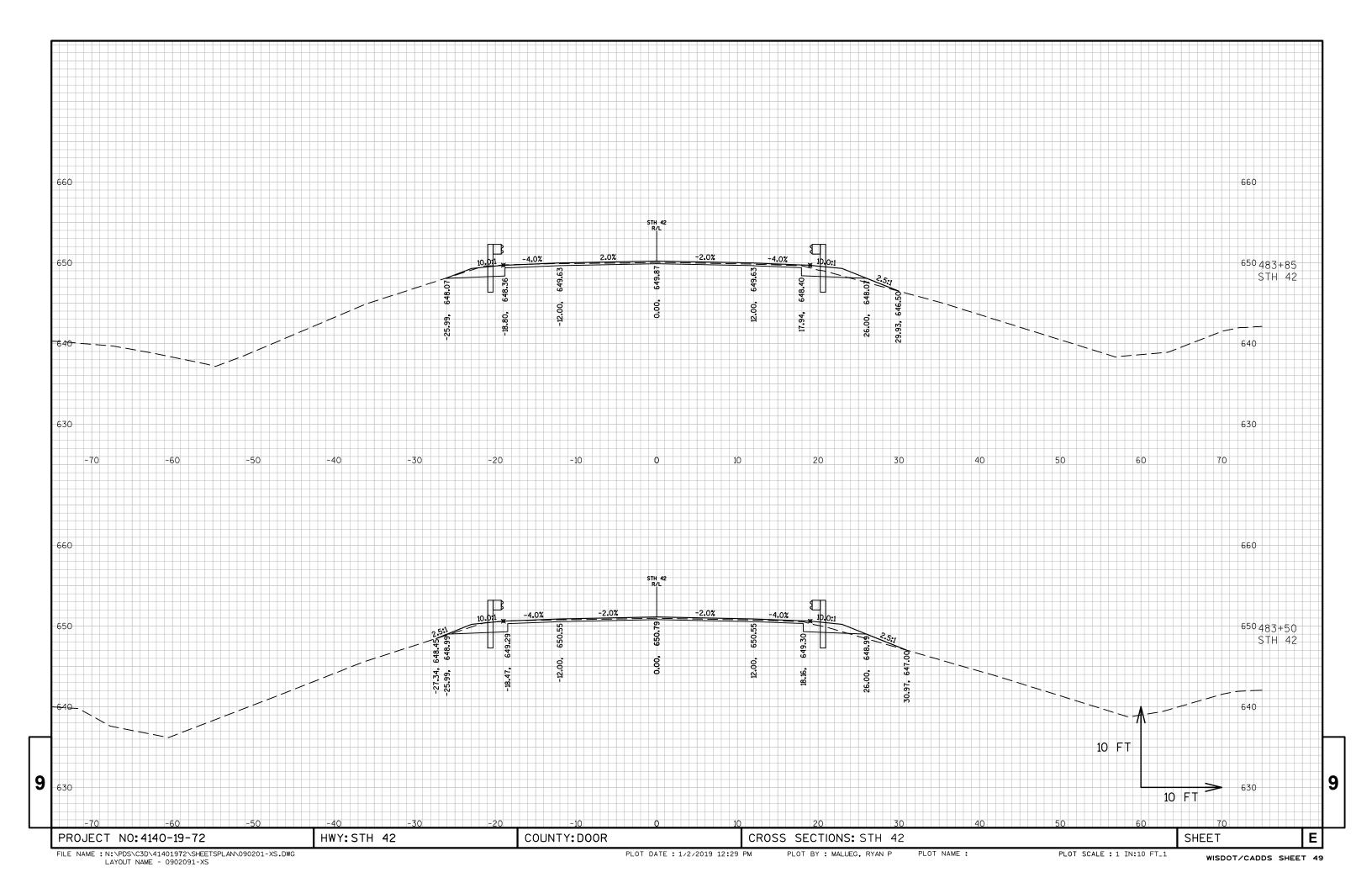


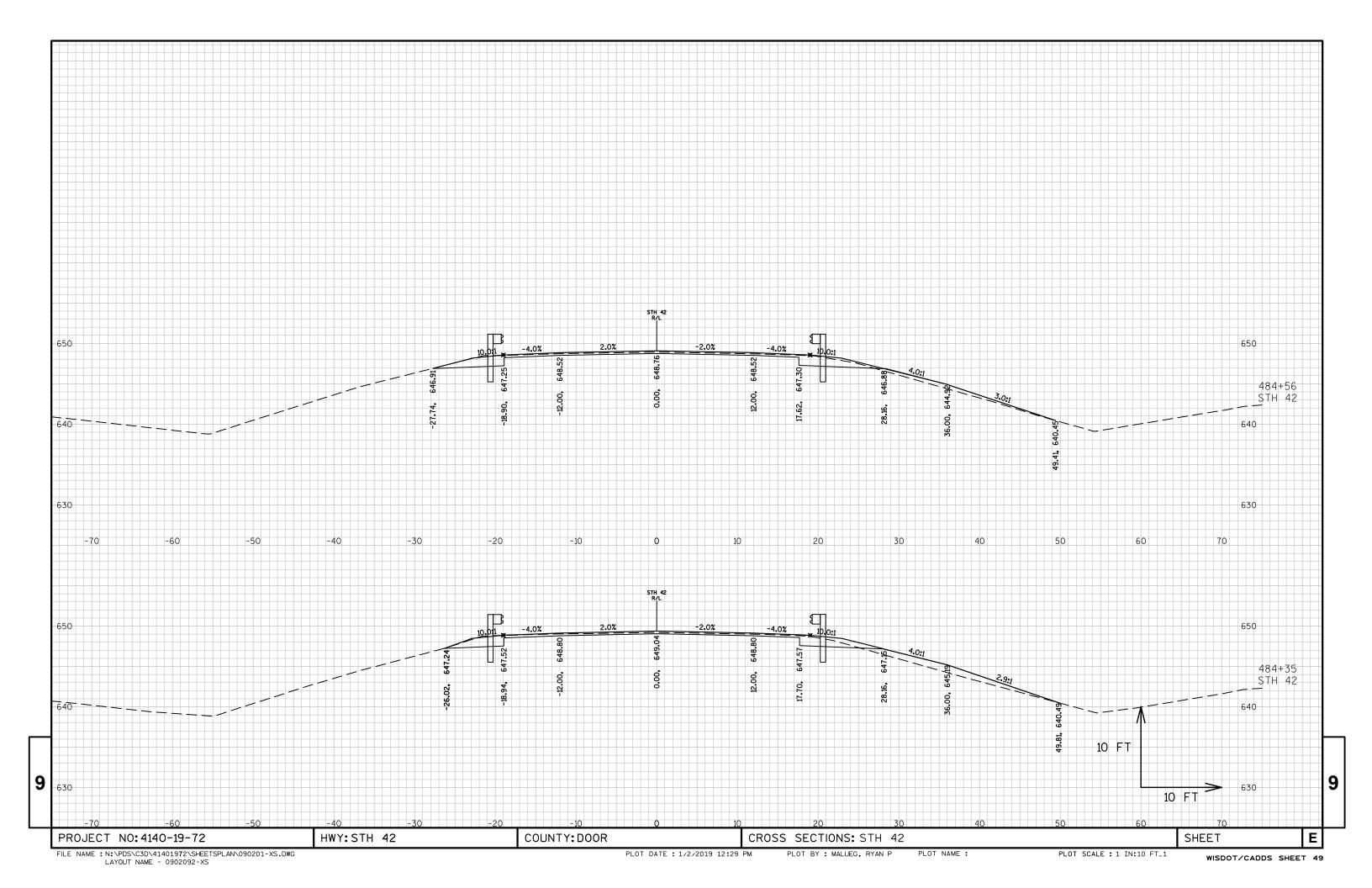


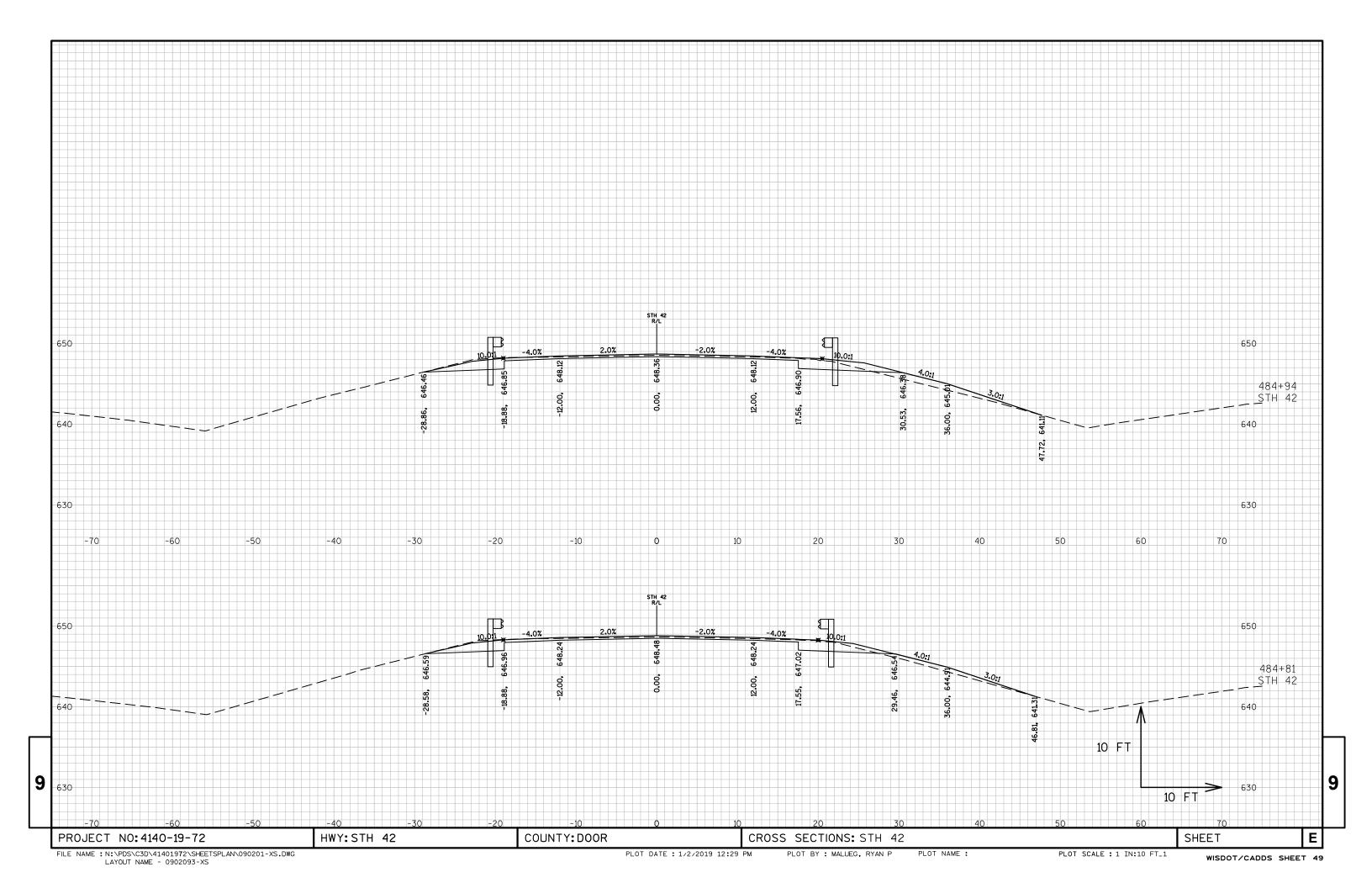


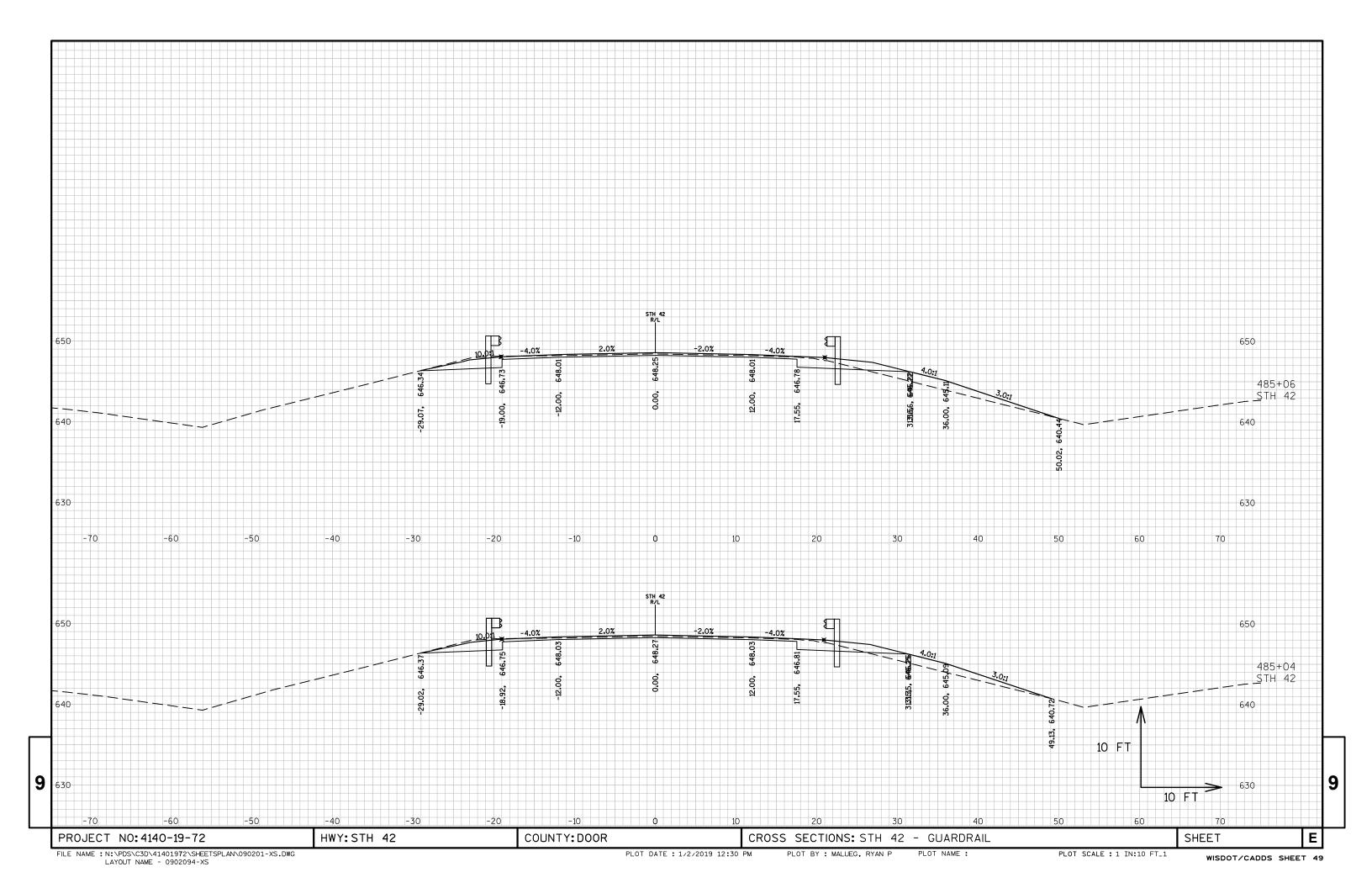


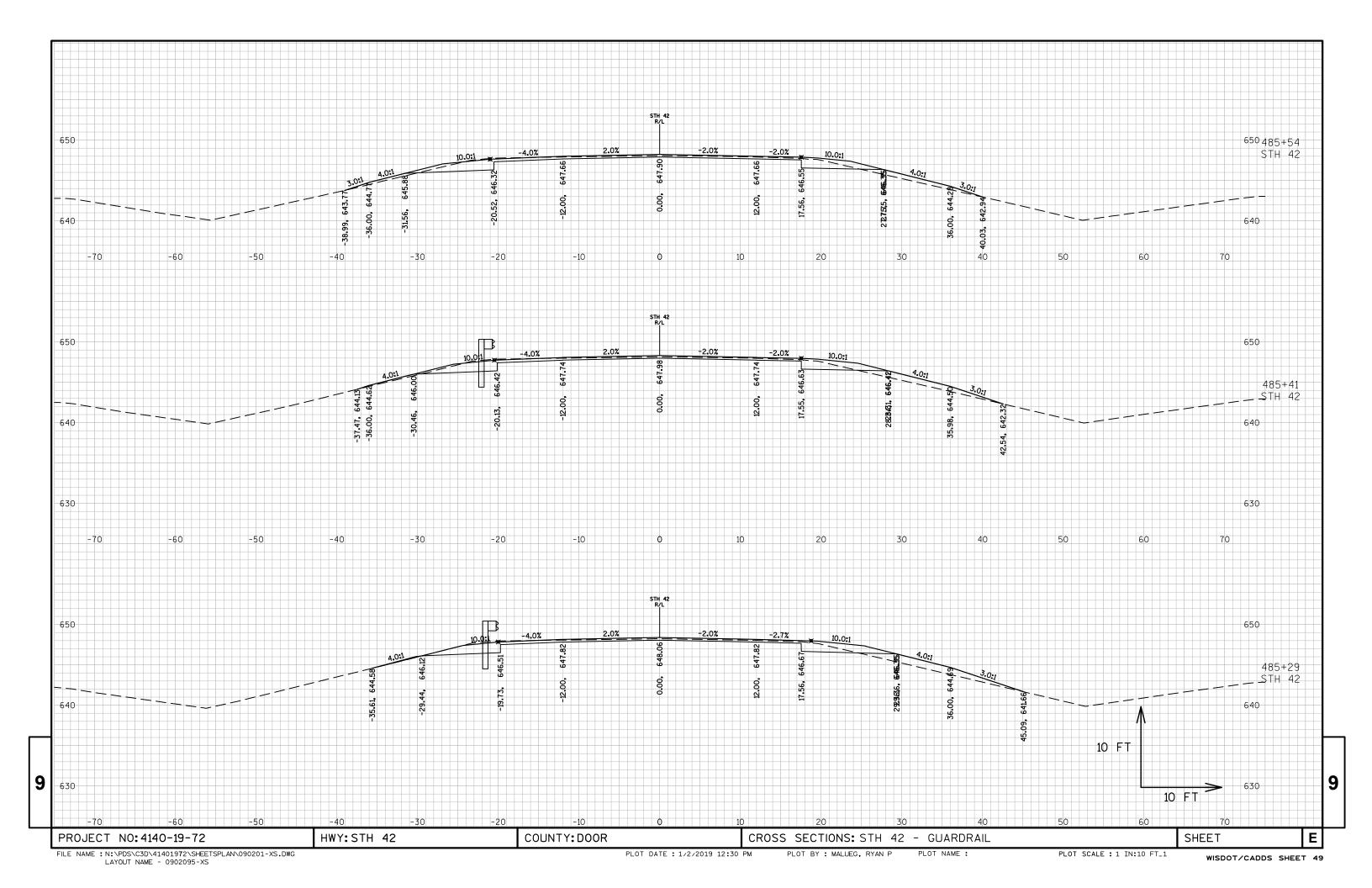


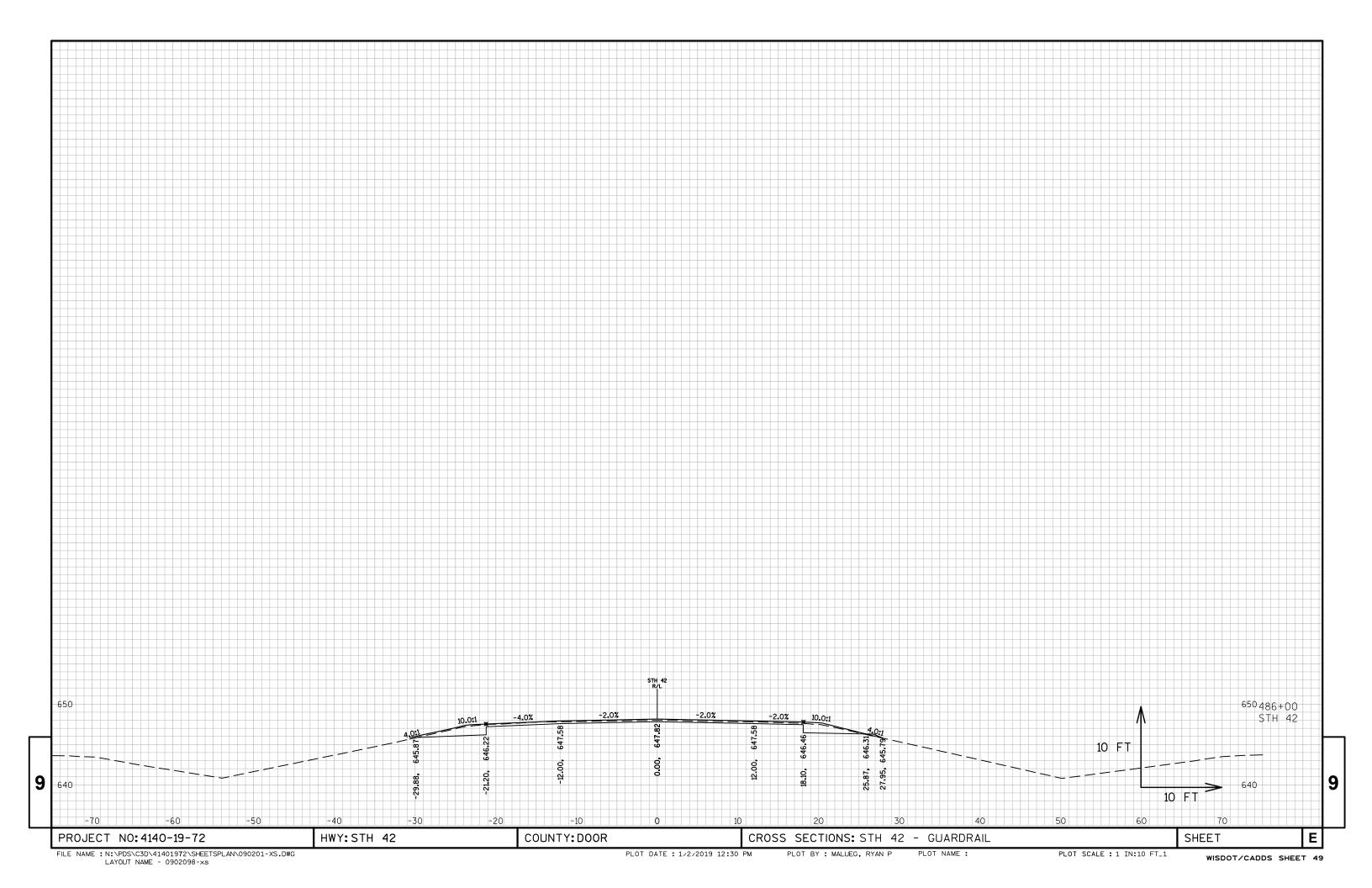














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