SEL APR 2017 FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT STATE OF WISCONSIN ORDER OF SHEETS PROJECT WITH: N/A WISC 2017168 3751-00-70 DEPARTMENT OF TRANSPORTATION Typical Sections and Details Estimate of Quantities Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT Right of Way Plat ē Plan and Profile Standard Detail Drawings CTH W Sign Plates Structure Plans 5 Computer Earthwork Data 2300 FEET SOUTH OF 82ND STREET TO 82ND STREET Section No. 9 Cross Sections -00 TOTAL SHEETS = 106 CTH W KENOSHA **END PROJECT** STA 44+00.00 STATE PROJECT NUMBER 3751-00-70 KENOSHA COUNTY T-1-N ACCEPTED FOR Clement Abongua **BEGIN PROJECT** LIB FOR HWY COMMISSIONER STA 19+75.00 (Signature & Title of Official Y = 206,627.75ORIGINAL PLANS PREPARED BY X = 2,489,346.90DESIGN DESIGNATION SCONSIN A.A.D.T. (2016) = 1600 A.A.D.T. (2036) = 2200 KEVIN K D.H.V. D.D. = 59/41 RISCH PROJECT LOCATION = 7.3 E-36446 Bassett DESIGN SPEED = 40 MPH KENOSHA NE ESALS - 482,000 WIS. R-20-E \_a CONVENTIONAL SYMBOLS R-20-E PROFILE CORPORATE LIMITS GRADE LINE ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOT LINE (To be noted as such LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY STATE OF WISCONSIN Wilmot GRADE ELEVATION PROPOSED OR NEW R/W LINE DEPARTMENT OF TRANSPORTATION CULVERT (Profile View) SLOPE INTERCEPT REPARED BY UTILITIES CLARK DIETZ, INC REFERENCE LINE Surveyor FLECTRIC CLARK DIETZ. INC Designer EXISTING CULVERT FIRER OPTIC PROPOSED CULVERT DAAR Engineering SANITARY SEWER COMBUSTIBLE FLUIDS STORM SEWER T-1-N TELEPHONE SCALE L PPROVED FOR THE DEPARTMENT WATER MARSH AREA HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY UTILITY PEDESTAL COORDINATES, KENOSHA COUNTY, NAD27, IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. TOTAL NET LENGTH OF CENTERLINE = 0.459 mi POWER POLE E WOODED OR SHRUB AREA TELEPHONE POLE PLOT DATE : 10/26/2016 9:03 AM FILE NAME : P:\K0450030\_KENOSHA COUNTY - CTH W RECONSTRUCTION\C3D\SHEETSPLAN\0101\_TITLE.DWG WISDOT/CADDS SHEET 10 CTH W RECONSTRUCTION - TITLE SHEET

2

**ELECTRIC** WE ENERGIES 333 W. EVERETT ST.-A279 MILWAUKEE, WI. 53203 ATTN: MR. LATROY BRUMFIELD

PH: (414) 221-5617 A299

PAVING COORDINATOR WE ENERGIES 500 S. 116TH STREET - WAOC WEST ALLIS, WI 53214

we-utility-relocations@we-energies.com

GAS

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EMAIL:

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### CONTACTS

DESIGN CONSULTANT: CLARK DIETZ. INC. SUITE 126

CHARTER COMMUNICATIONS (FORMERLY TWC)

1320 N. MARTIN LUTHER KING JR. DRIVE MILWAUKEE, WI 53212 ATTN: STEVE CRAMER PH. (414) 688-2385 (CELL) EMAIL: steven.cramer@charter.com

EMAIL: MATT.SCHULTE@tdstelecom.com

TDS TELECOM

16924 WEST VICTOR ROAD

ATTN: MATTHEW SCHULTE

PH. (262) 409-1177 (CELL)

NEW BERLIN. WI 53151

5017 GREEN BAY ROAD KENOSHA, WI 53144 ATTN: KEVIN RISCH, P.E. PH. (262) 657-1550 FAX: (262) 657-1594 EMAIL: kevin\_risch@clarkdietz.com

KENOSHA COUNTY

KENOSHA COUNTY PUBLIC WORKS 19600 75TH STREET KENOSHA, WI 53104 ATTN: CLEMENT ABONGWA PH. (262) 857-1870 EMAIL:clement.abongwa@kenoshacounty.or WDNR LIAISON

STATE OF WISCONSIN DEPT. OF NATURAL RESOURSES 2300 N. DR. MARTIN LUTHER KING JR. DR. MILWAUKEE, WI 53212 ATTN: CRAIG WEBSTER PH. (262) 574-2141 EMAIL: craig.webster@wisconsin.gov

CHIEF TRANSPORTATION ENGINEER S.E. WI. REGIONAL PLANNING COMMISSION W239 N1812 ROCKWOOD DRIVE P.O. BOX 1607 WAUKESHA, WI. 53187-1607 ATTN: CHRISTOPHER T. HIEBERT PH. (262) 547-6722 EXT. 227 EMAIL: CHIEBERT@SEWRPC.ORG

#### LIST OF STANDARD ABBREVIATIONS

**ARIIT Abutment** Left-Hand Forward LIN FT ΔC Acre Linear Foot AGG Agaregate or LF MH Ahead Manhole **ASPH** Asphaltic Message Board MLB ML or NC NB AVG Average Mailbox ADT Average Dally Traffic Match Line Normal Crown Northbound Bench Mark OD PGL PLE Outside Diameter BR Bridge COMMERCIAL ENTRANCE Profile Grade Line Permanent Limited CE CL or C/L Center Line Fasement Center to Center CC CTH РΤ County Trunk Highway PC Point of Curvature CY or CU YD Cubic Yard Curb and Gutter Diameter PI PRC Point of Intersection C & G Point of Reverse Curvature Fast РΤ Point of Tangency ĒВ Fastbound POC Point On Curve Electric (al) POT Point on Tangent EL or ELEV Elevation PVC Polyvinyl Chloride Excavation Below EBS PCC Portland Cement Concrete Private Entrance Subgrade Field Entrance FE PΕ Radius FG Finished Grade Reference Line FL or F/L Flow Line HYD Hydrant **RCCP** Reinforced Concrete INI Inlet Culvert Pipe REQD Required Inside Diameter RW Retaining Wall IND Inch-Diameter RT RHF Right Invert Right-Hand Forward Iron Pipe or Pin R/W Right-of-Way Joint

Roadway SALV SEC Salvaged Section SHLDR Shoulder Sidewalk Southbound SQ Square SF or SQ FT Square Feet SY or SQ YD Square Yard STD SDD STH STA Standard Detail Drawings State Trunk Highways Station SG Subgrade Tangent T TEL Telephone TEMP Temporary Temporary Limited TLE TC Top Of Curb TYP UG VAR Typical Underground Cable Variable VERT Vertical VC WM Vertical Curve Water Main Water Valve WV WB

### **GENERAL NOTES**

- 1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE, THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- 2. ELEVATIONS ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- 3. COORDINATES AND BEARINGS ARE ORIENTED TO THE WISCONSIN COUNTY COORDINATE SYSTEM KENOSHA COUNTY (ENGLISH) NAD 27, ALL PLAN DISTANCES ARE GROUND LENGTH.
- 4. BENCH MARKS ARE REFERENCED TO NAVD 88 ON THE SW ¼ CORNER OF SECTION 18 T3N, R22/23E. LOCATED NORTH OF VICTORY AVENUE IN THE CITY OF RACINE, RACINE COUNTY, WISCONSIN. HAVING A KNOWN ELEVATION OF 697.915 (1929 ADJ.).
- 5. THE EXACT LOCATION AND WIDTH OF PRIVATE, COMMERCIAL AND FIELD ENTRANCES TO BE DETERMINED BY THE ENGINEER IN THE FIELD. EXISTING DRIVEWAYS WILL BE RESTORED WITH CONCRETE AND ASHPHALT.
- 6. CULVERT PIPE INVERT ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS AND CROSS SECTIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- 7. ANY DAMAGE TO THE REMAINING DRIVEWAY PORTIONS WILL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
- 8. NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.
- 9. MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE DRIVEWAYS OR SIDE STREETS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER IN THE FIELD, OR AS SHOWN ON THE PLANS.
- 10. TRAFFIC CONTROL LOCATIONS AS SHOWN ON THE PLAN ARE SUGGESTED LOCATIONS. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
- 11. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OPERATIONS. EROSION CONTROL ITEMS ON THE PLAN ARE AT SUGGESTED LOCATIONS. THE EXACT LOCATIONS AND DIMENSIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER IN THE FIELD DEEMS THE DEVICES NO LONGER NECESSARY.

- 12. ALL DISTURBED AREAS SHOWN WITHIN THE RIGHT-OF-WAY, SHALL RECEIVE TOPSOIL FERTILIZER TYPE A AND SEED OR LAWN SOD AS DIRECTED BY THE ENGINEER IN THE FIELD. NO DISTURBED LAND IS TO BE LEFT UNSEEDED OR UNSODDED FOR MORE THAN 3 DAYS FOLLOWING THE DISTURBING ACTIVITY.
- 13. SILT FENCE SHALL BE PLACED AS SHOWN ON THE EROSION CONTROL PLAN AND MISCELLANEOUS QUANTITY SHEET OR AS DIRECTED BY THE ENGINEER IN THE FIELD. SILT FENCE SHALL BE PLACED PRIOR TO CONSTRUCTION.
- 14. TEMPORARY SEEDING, SEEDING, MULCHING AND FERTILIZING HAVE BEEN COMPUTED BY A DIRECT MEASUREMENT ON THE PLAN PLUS 25% FOR UNDISTURBED AMOUNT.
- 15. FILL EXPANSION OF EARTHWORK IS ESTIMATED AT 15%.
- 16. 5 INCHES OF HMA PAVEMENT SHALL BE PLACED @ 2.5 INCH THICKNESS OF 4LT 58-28S UPPER LAYER AND A 2.5 INCH THICKNESS OF 3LT 58-28S LOWER LAYER MATERIAL.

### ORDER OF SECTION 2 SHEETS

GENERAL NOTES TYPICAL SECTIONS PROJECT OVERVIEW CONSTRUCTION DETAILS INTERSECTION DETAIL DETENTION POND DETAILS EROSION CONTROL DETAIL PAVEMENT PARKING & SIGNING DETAIL PAVING DETAIL SUPER ELEVATION DETAILS ALIGNMENT DETAIL DETOUR PLAN



PROJECT NO: 3751-00-70

HWY: CTH W

COUNTY: KENOSHA

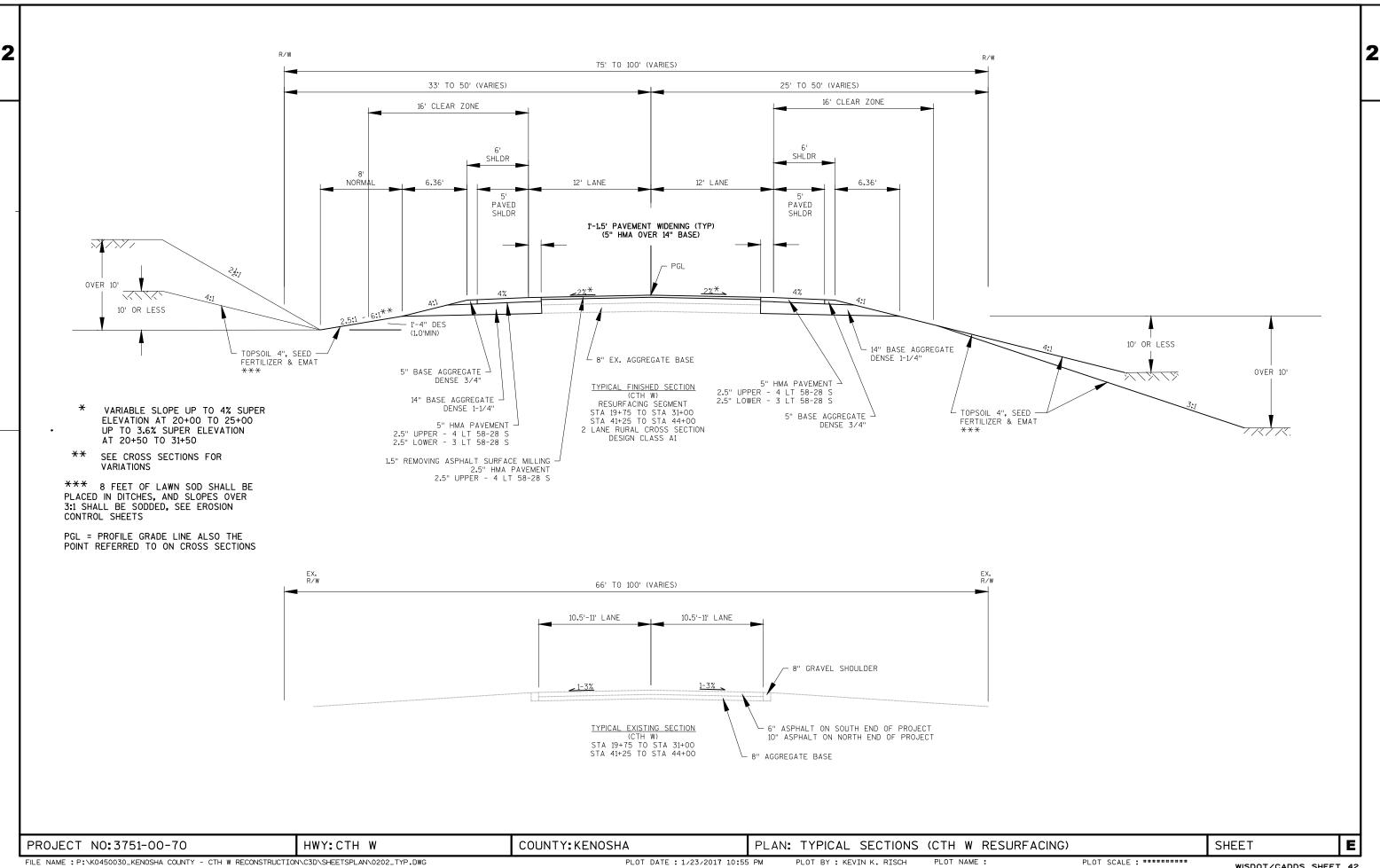
PLAN: GENERAL NOTES

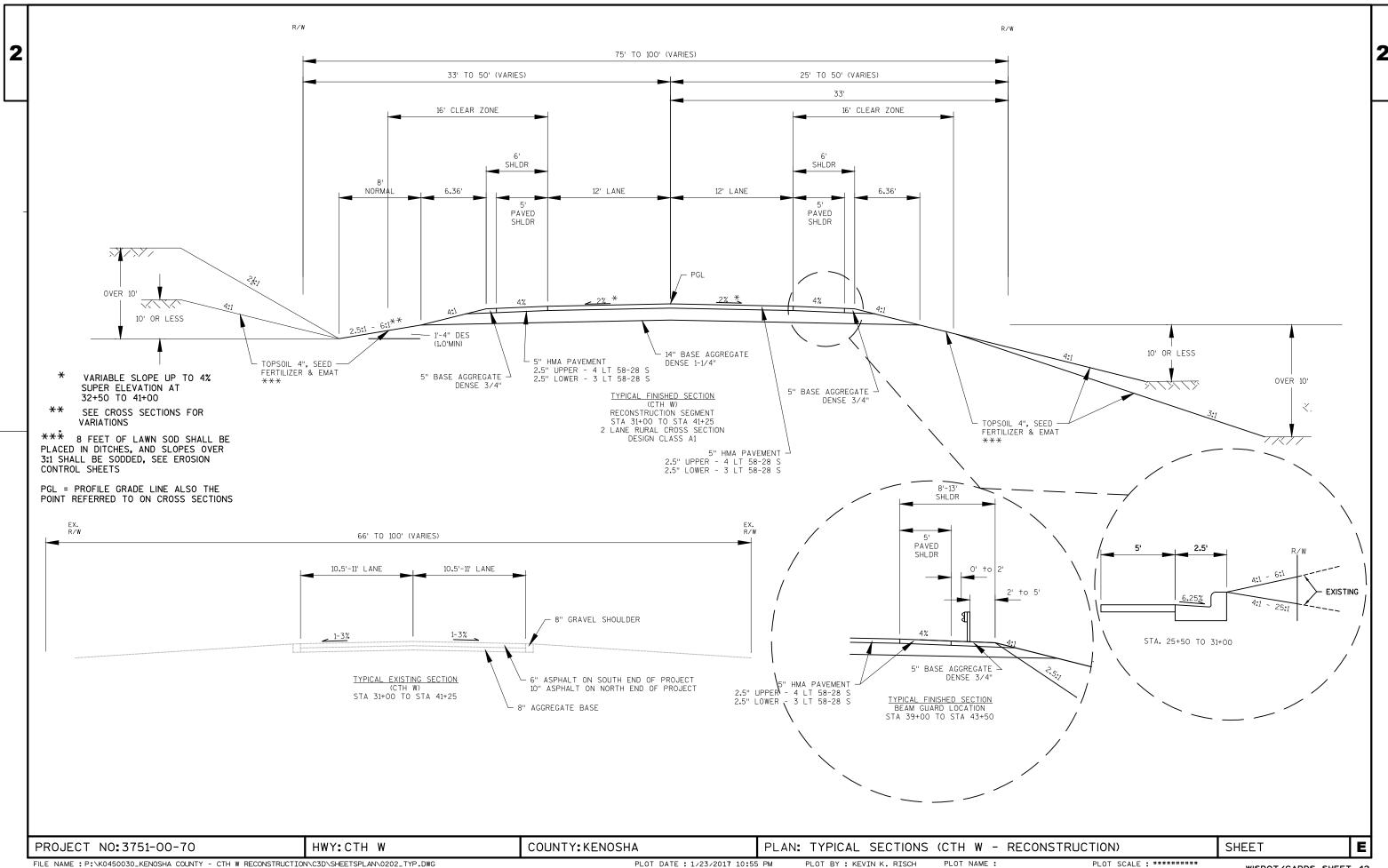
PLOT BY: KEVIN K. RISCH

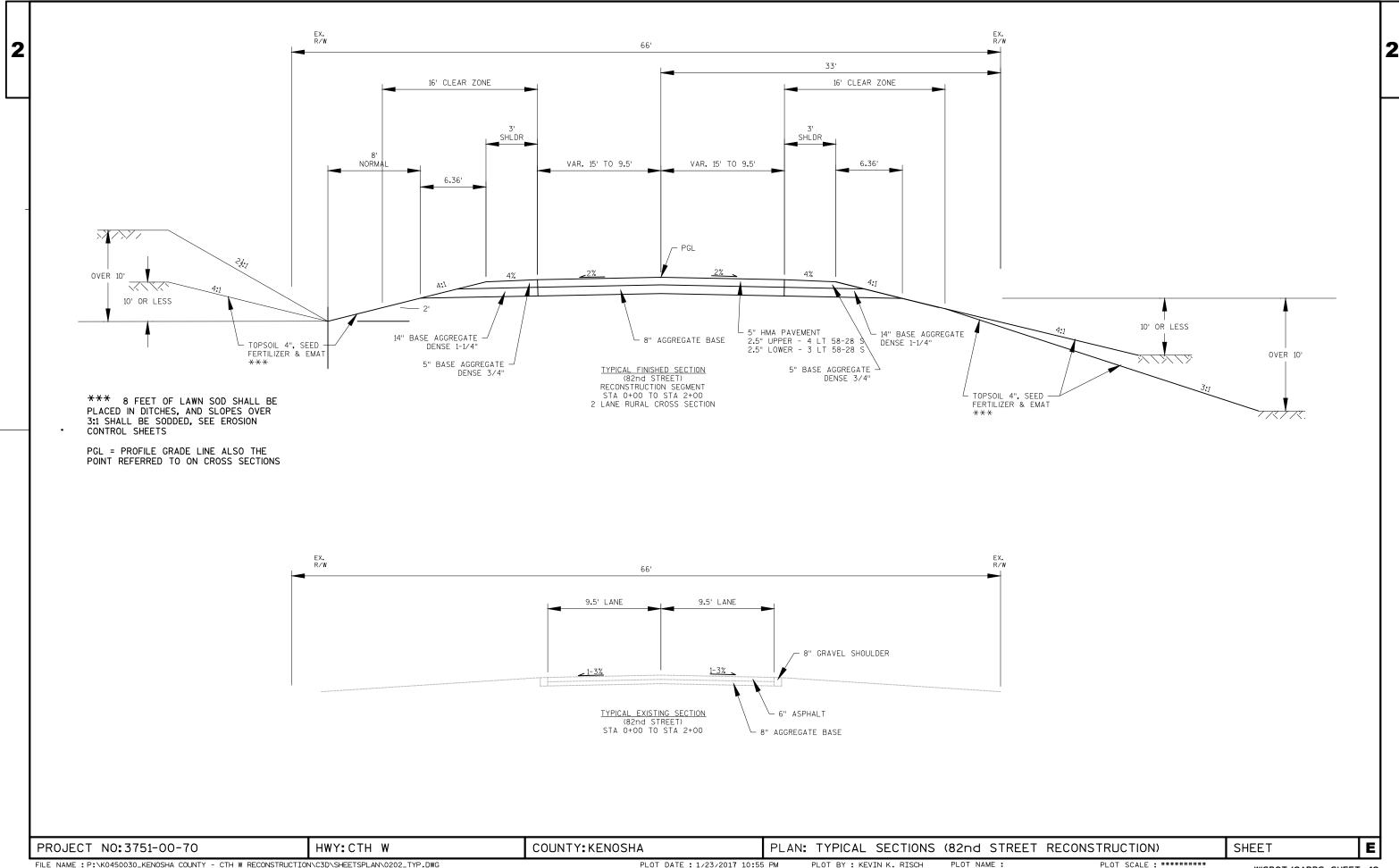
SHEET

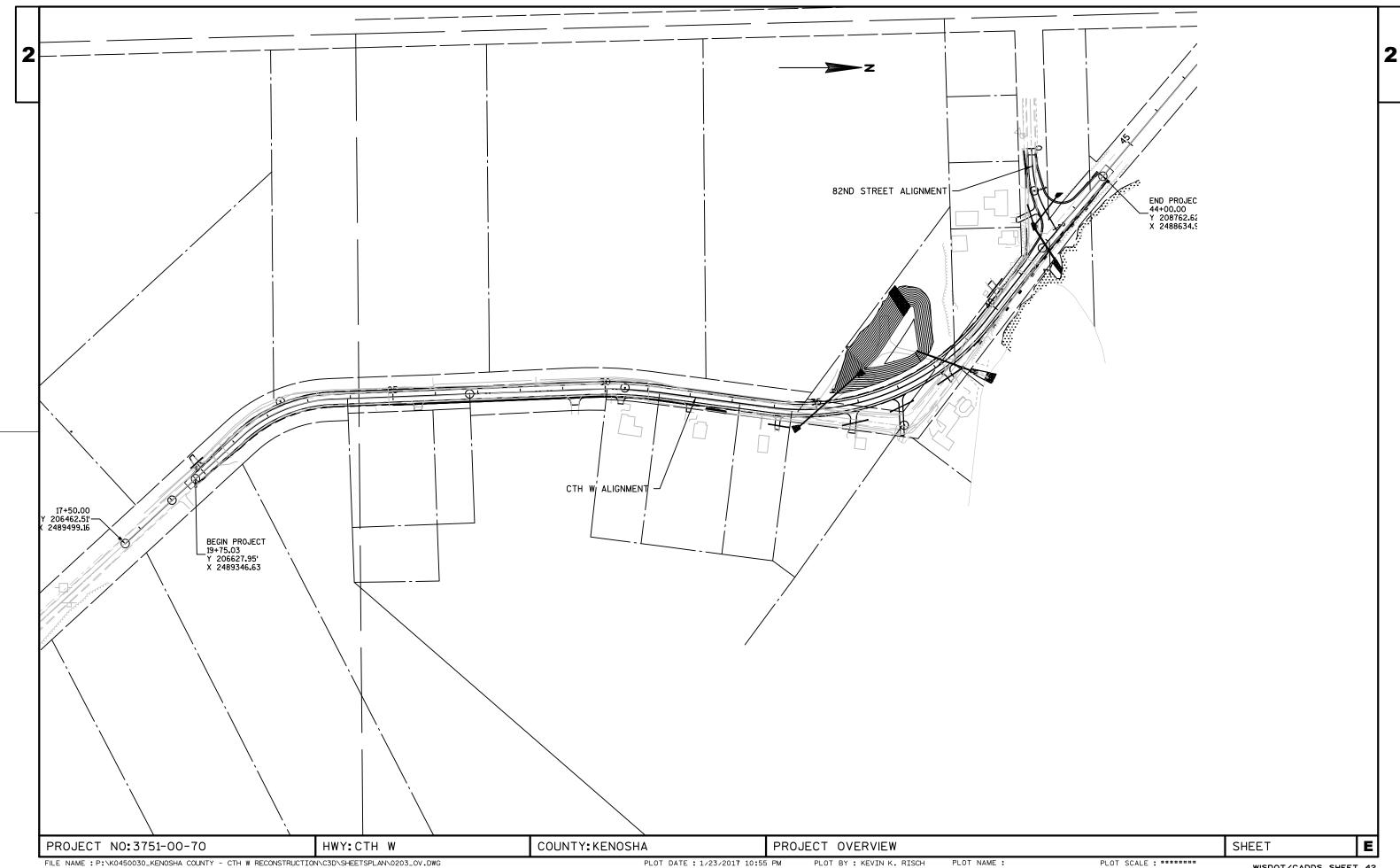
PLOT SCALE: 1 IN:80 FT

E









FILE NAME : P:\K0450030\_KENOSHA COUNTY - CTH W RECONSTRUCTION\C3D\SHEETSPLAN\0203\_OV.DWG LAYOUT NAME - PROJECT OVERVIEW

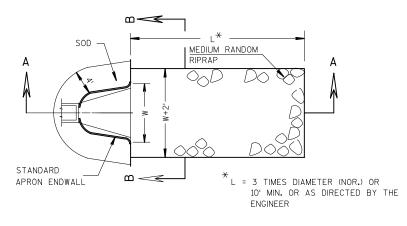
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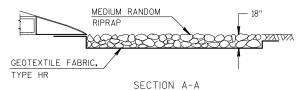
PLOT BY : KEVIN K. RISCH

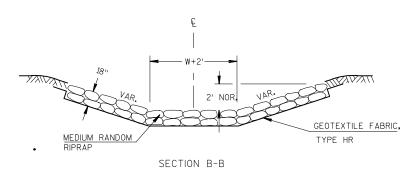
PLOT SCALE : #######

WISDOT/CADDS SHEET 42

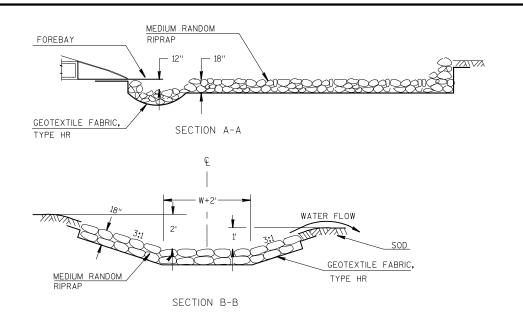


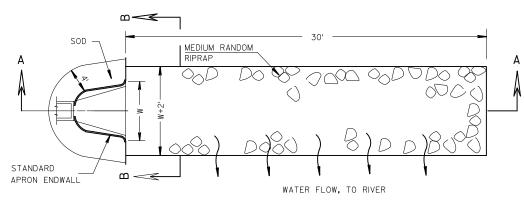




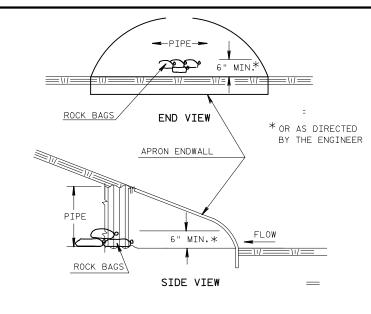


SOD, MEDIUM RANDOM RIPRAP AND GEOTEXTILE FABRIC TYPE HR DETAIL AT APRON ENDWALLS





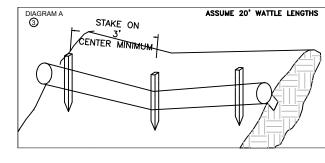
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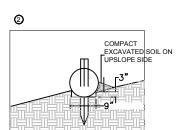


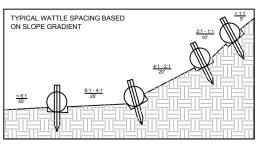
### CULVERT PIPE CHECK



## STRAW WATTLE INSTALLATION GUIDE





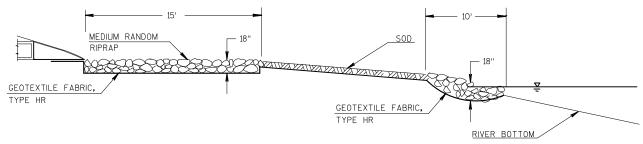


1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" DEEP X 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE, EXCAVATED SOIL SHOULD BE PLACED UPSLOPE FROM THE ANCHOR TRENCH.

2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE ADJACENT WATTLES SHOULD TIGHTLY ABUT.

WATTLE ON THE OFFILE SIDE, AUDALENT WAT ILES SHOULD HIGHLY ABUT.

3. SECURE THE WATTLE WITH 18-24" STAKES EVERY 3" AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2-3" OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.



SOD, MEDIUM RANDOM RIPRAP AND GEOTEXTILE FABRIC TYPE HR

DETAIL AT APRON ENDWALL AT RIVER OUTFALL

\* NOTE: WIDTH OF RIPRAP TO FOLLOW APRON ENDWALL DETAIL

PROJECT NO:3751-00-70

HWY: CTH W

COUNTY: KENOSHA

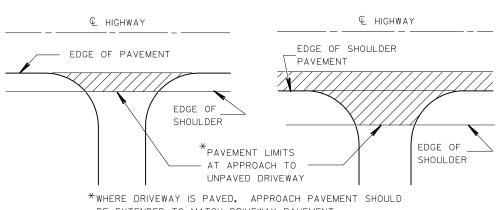
CONSTRUCTION DETAILS

E SHEET

FILE NAME : P:\K0450030\_KENOSHA COUNTY - CTH W RECONSTRUCTION\C3D\SHEETSPLAN\0203\_CD.DWG LAYOUT NAME - CONSTRUCTION DETAILS

PLOT DATE: 1/23/2017 10:55 PM

PLOT BY : KEVIN K. RISCH PLOT NAME :

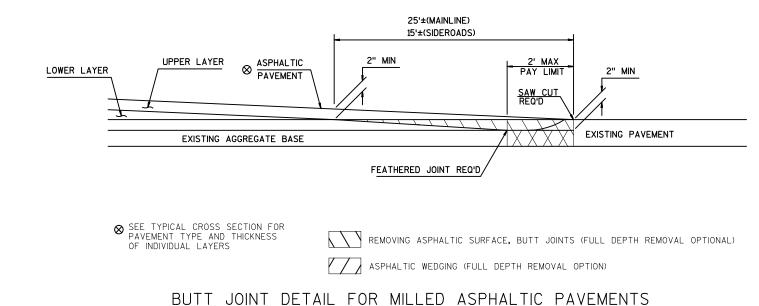


BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

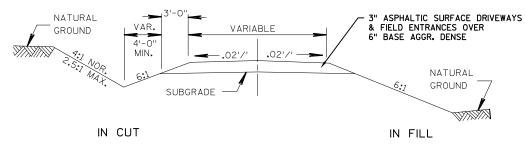
PLAN VIEW

PLAN VIEW (PAVED SHOULDER ON HIGHWAY)

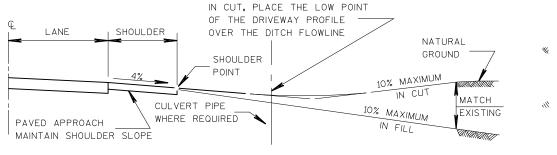
RURAL DRIVEWAY INTERSECTION DETAIL



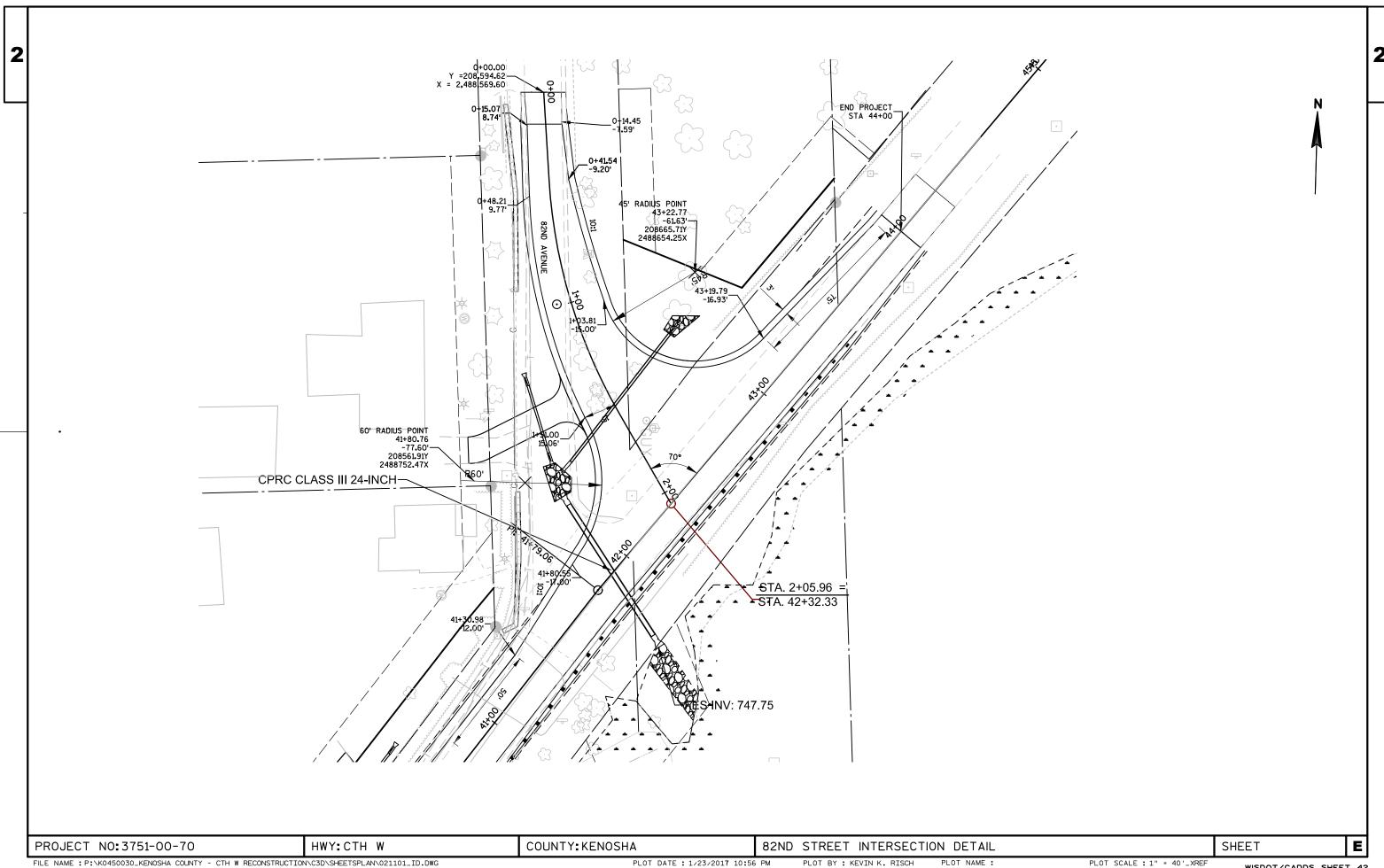


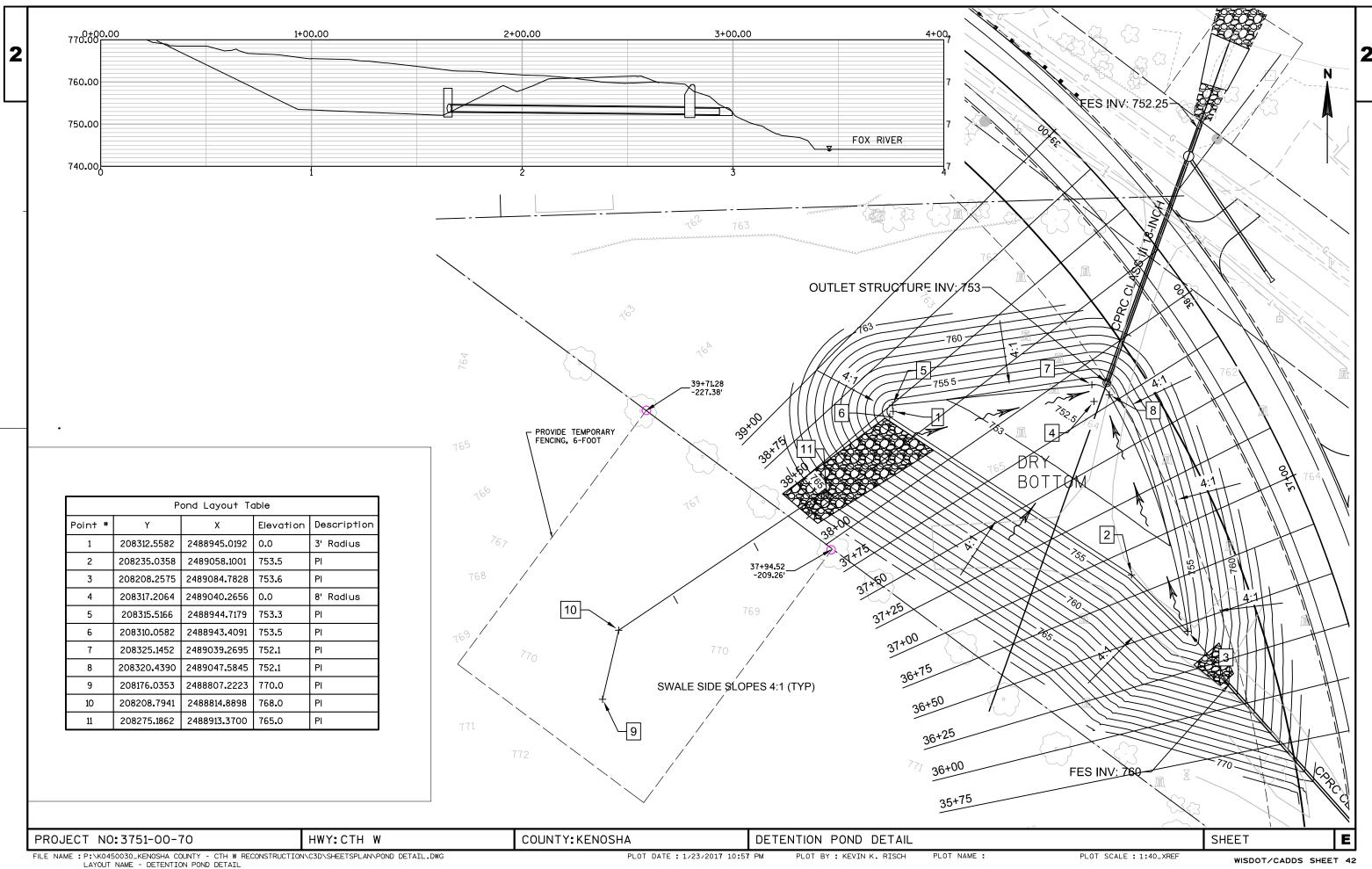


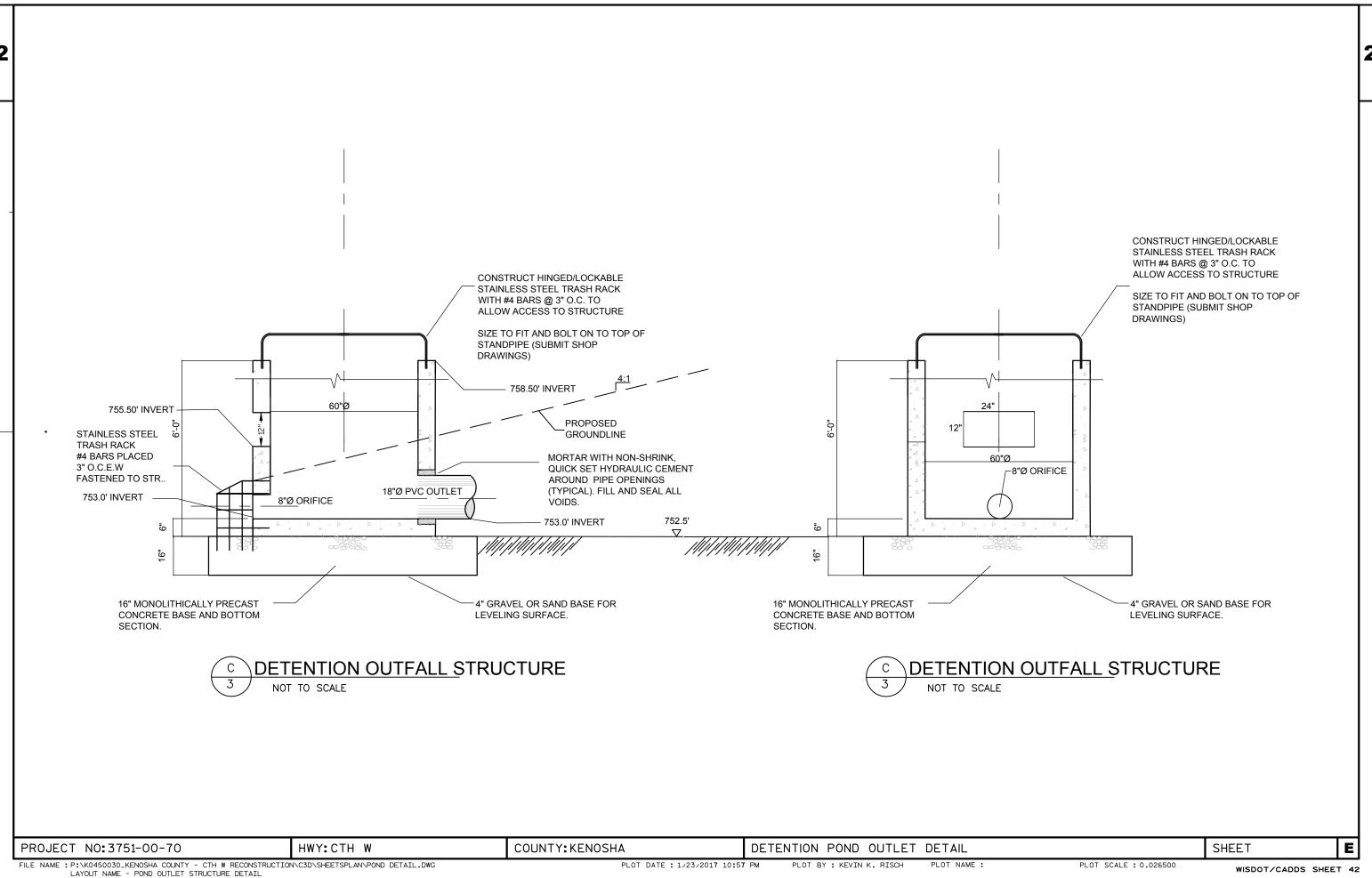
TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE

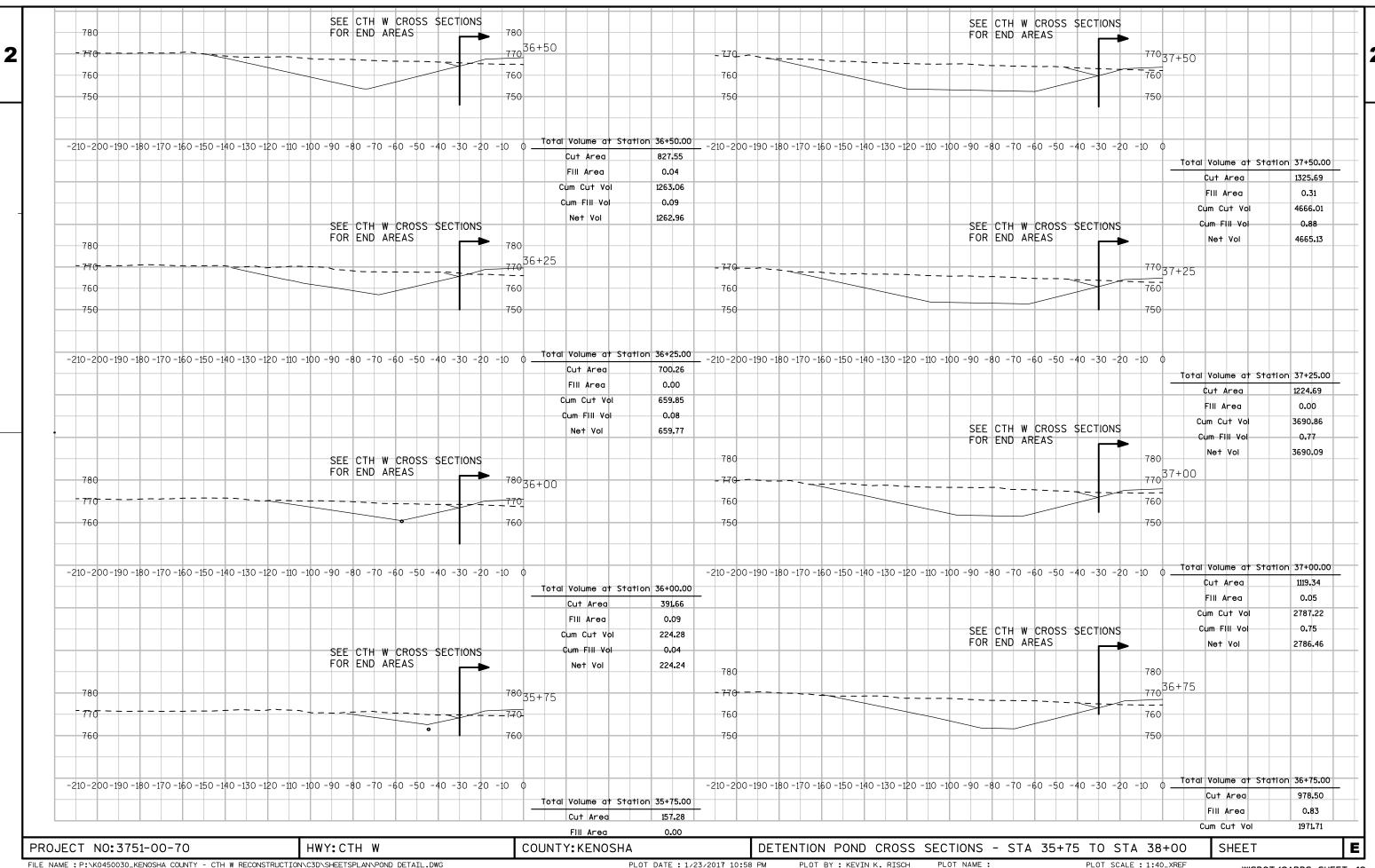


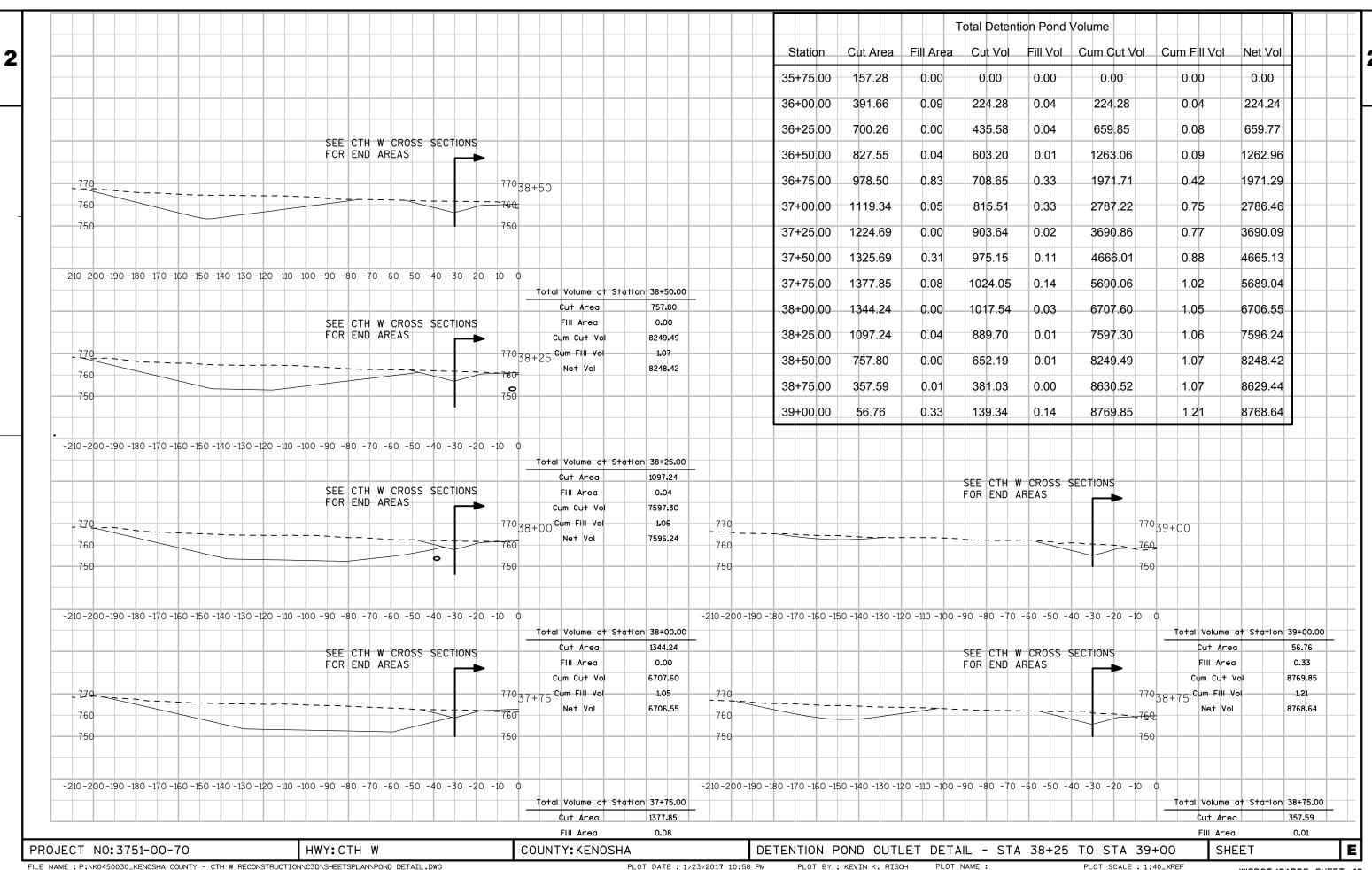
TYPICAL DRIVEWAY PROFILES

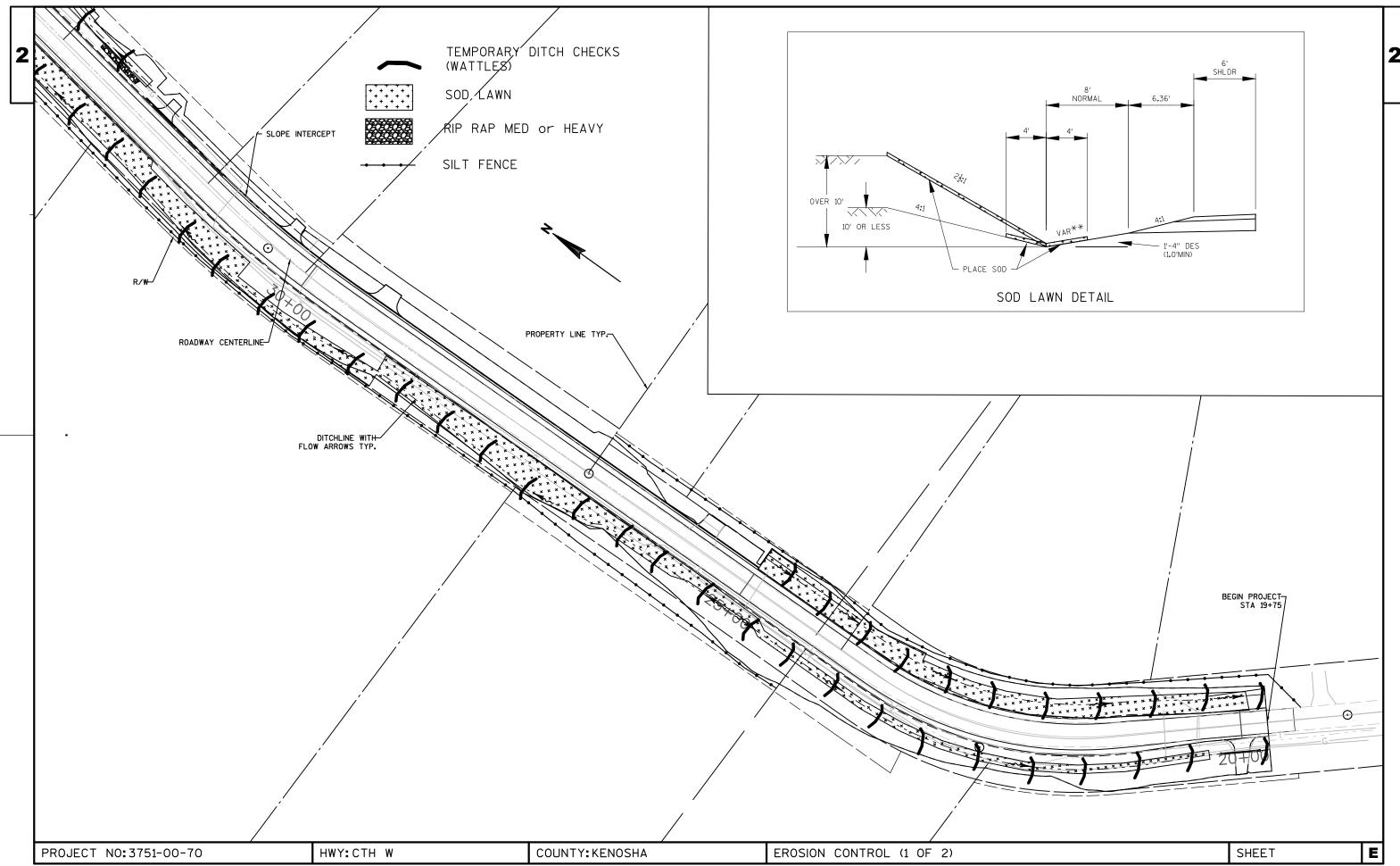


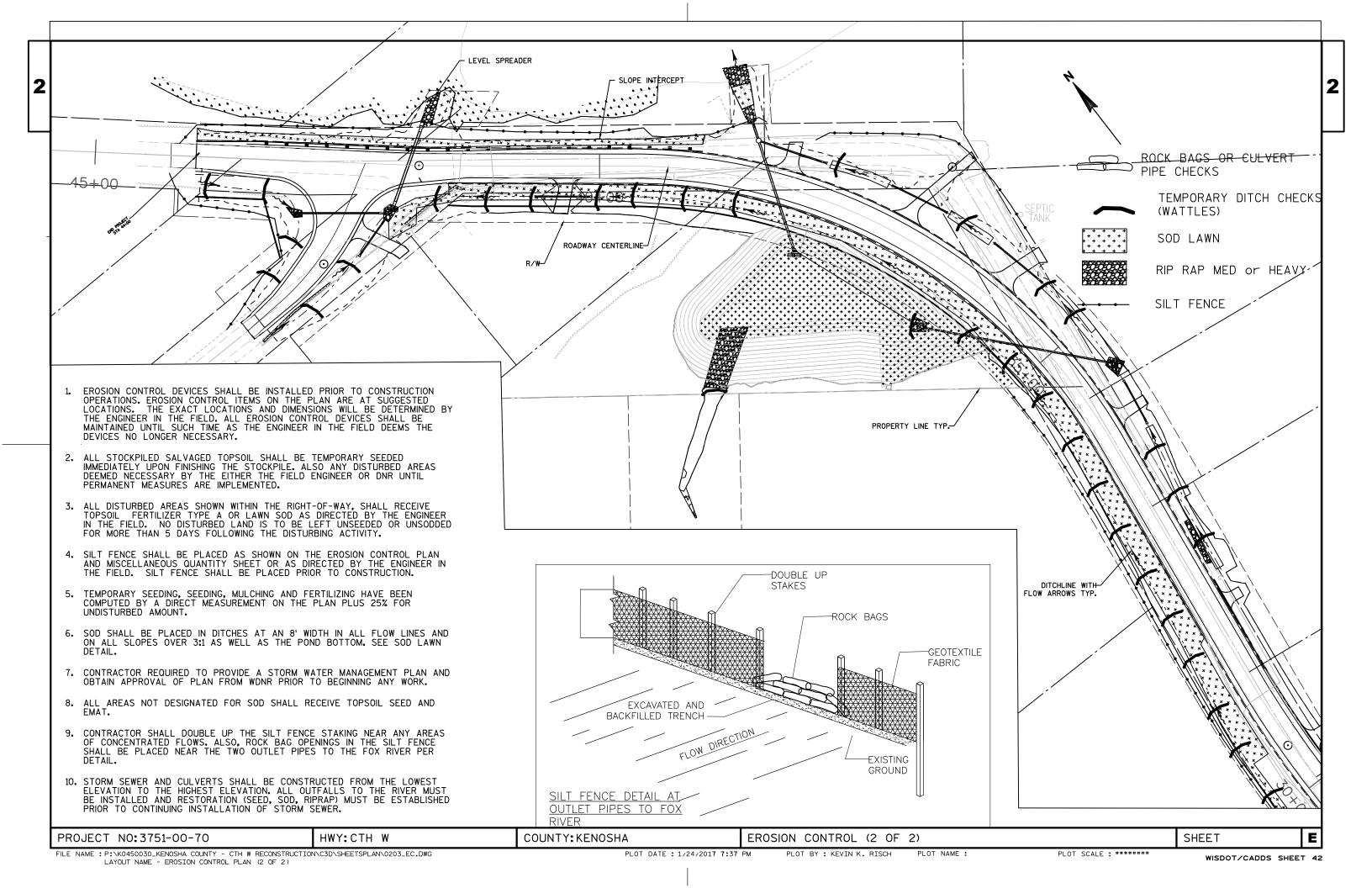


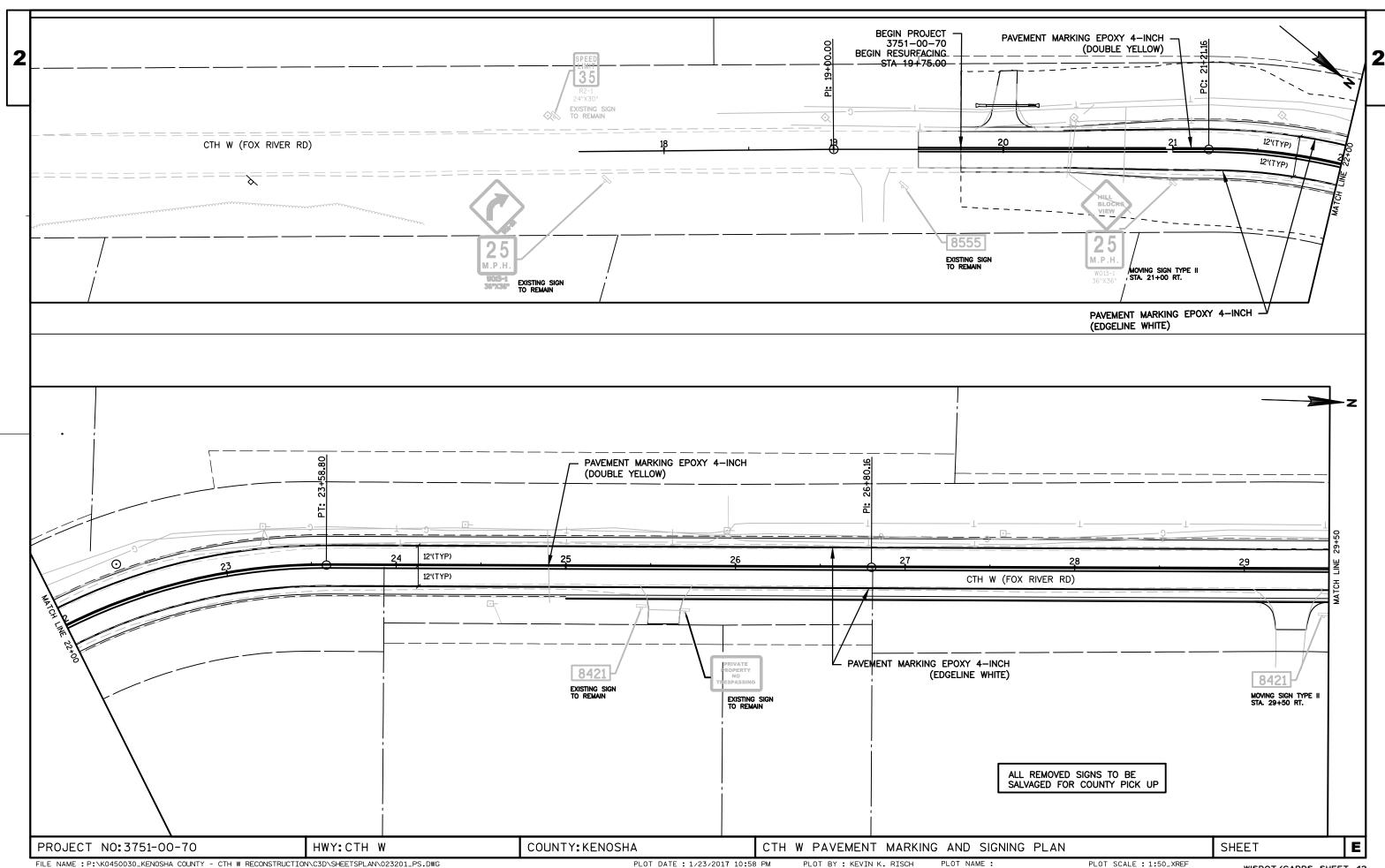


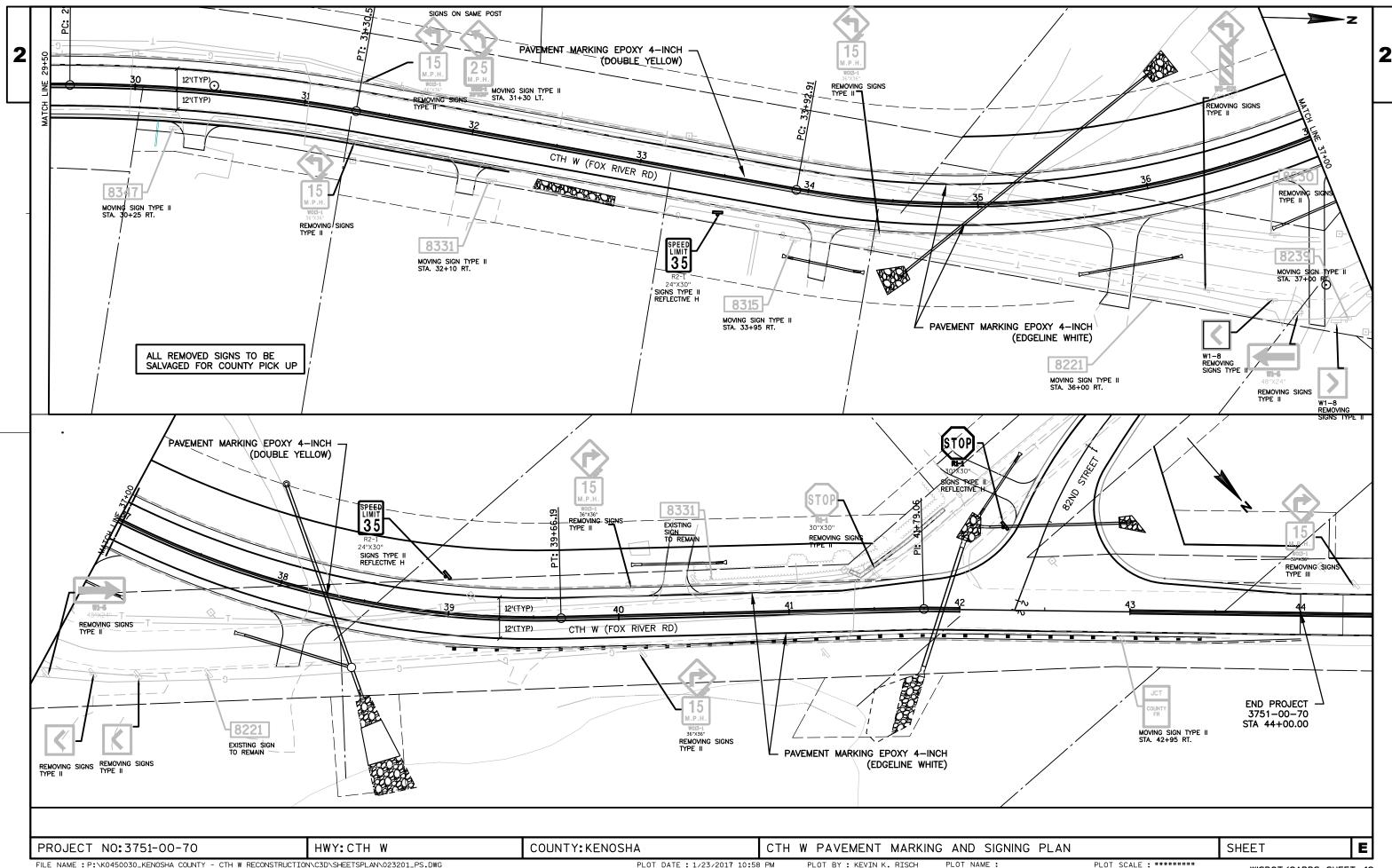


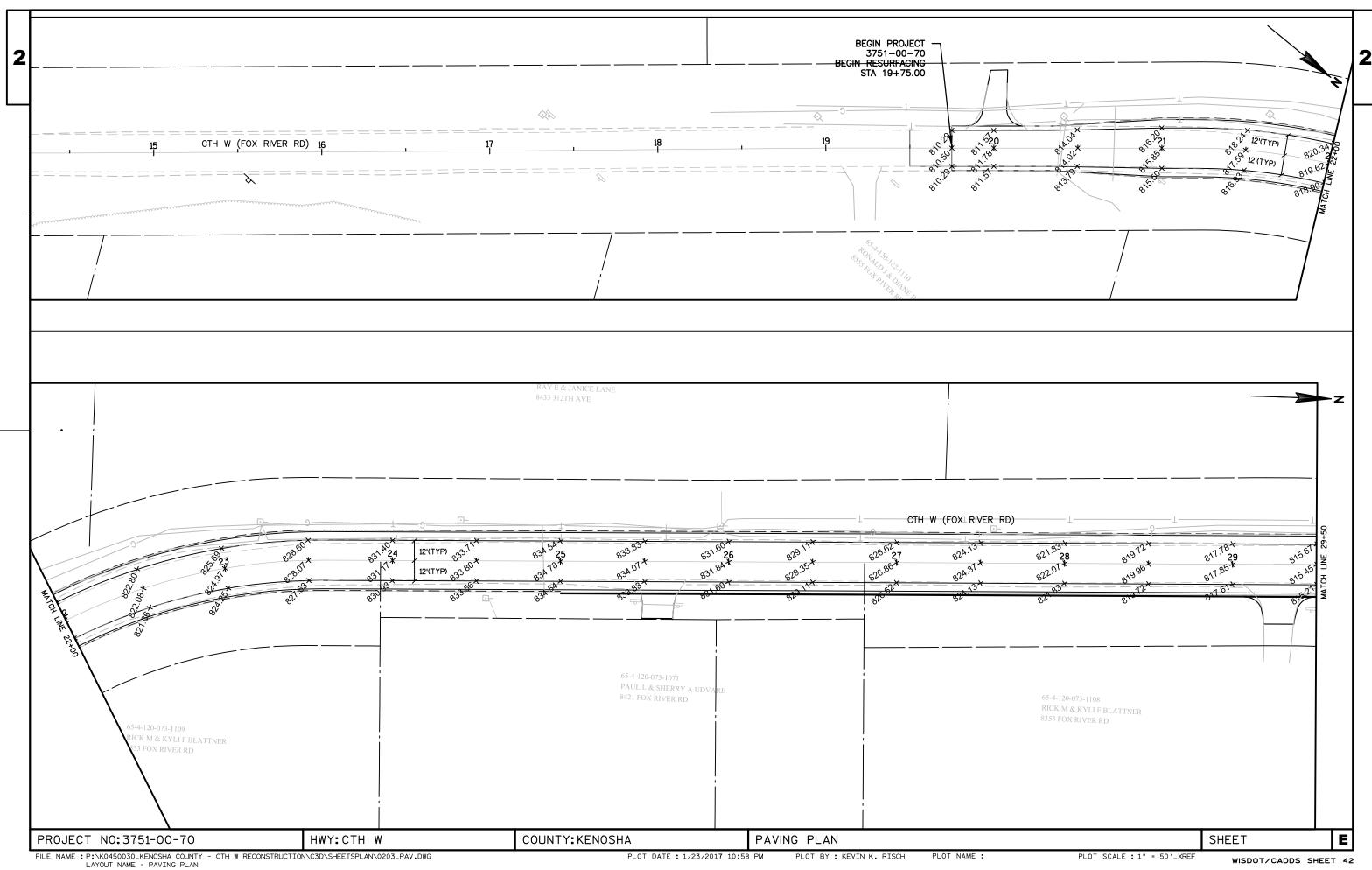


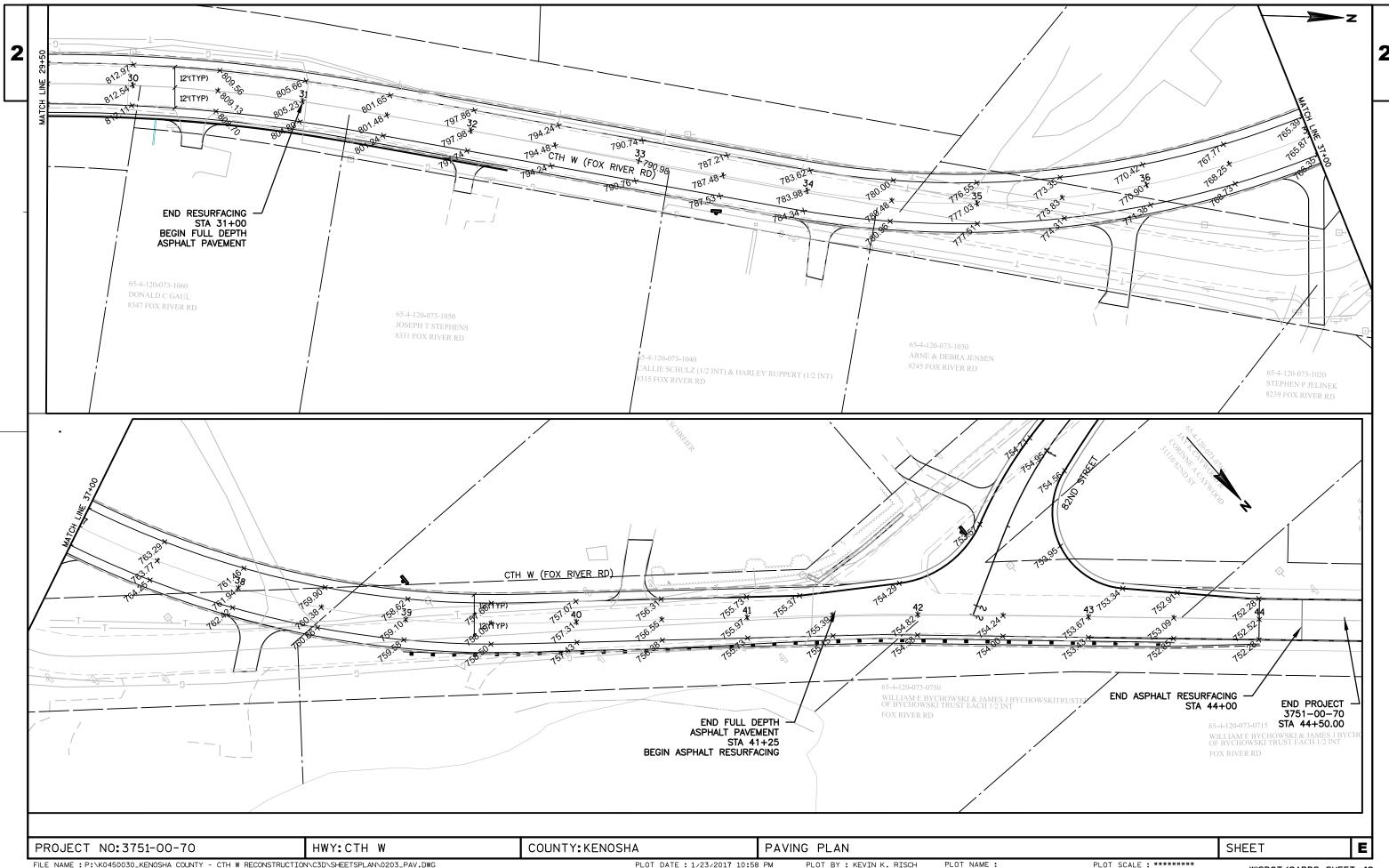


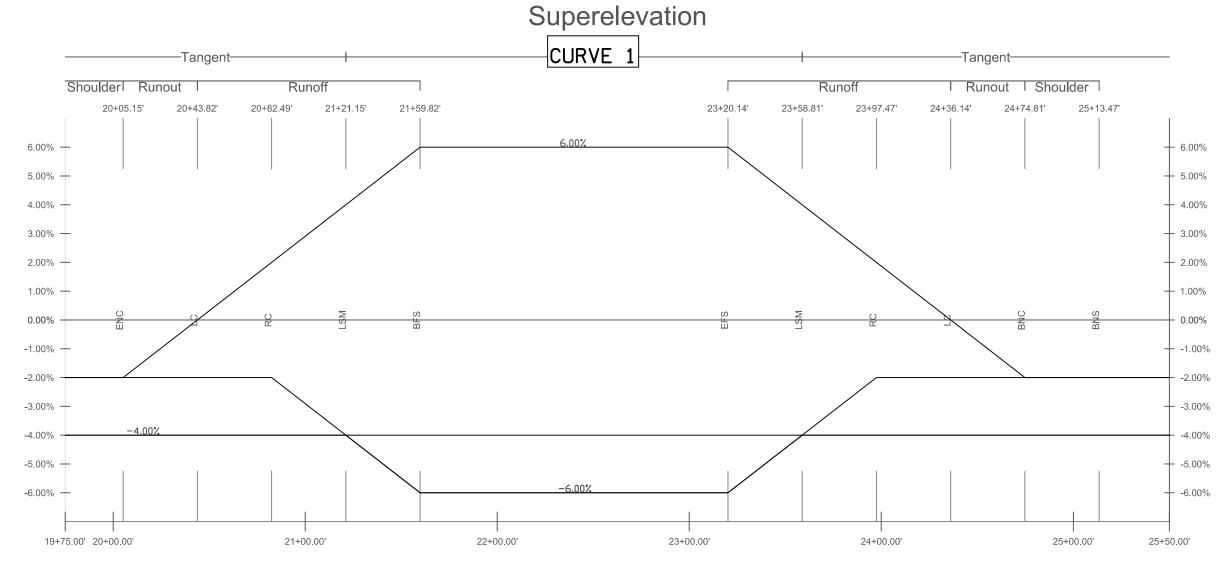








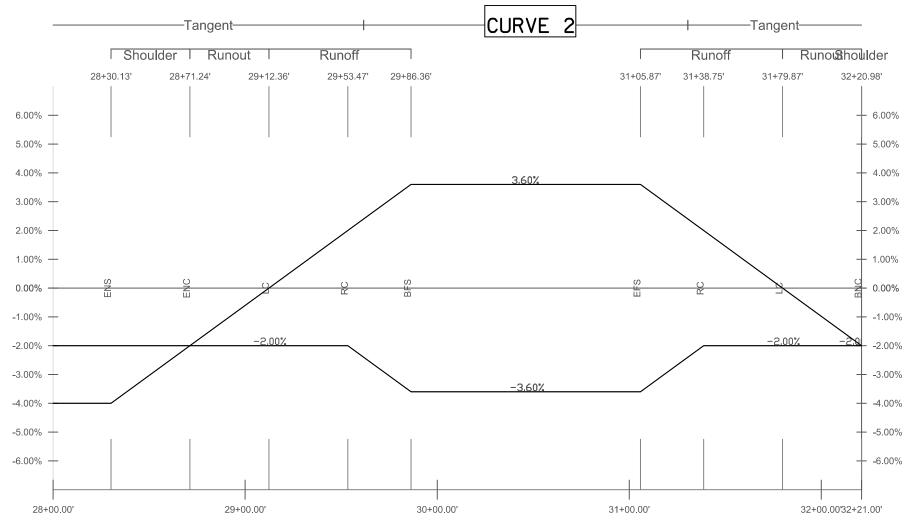




COUNTY: KENOSHA SHEET PROJECT NO:3751-00-70 HWY: CTH W SUPERELEVATION DIAGRAM (CURVE 1) E 2

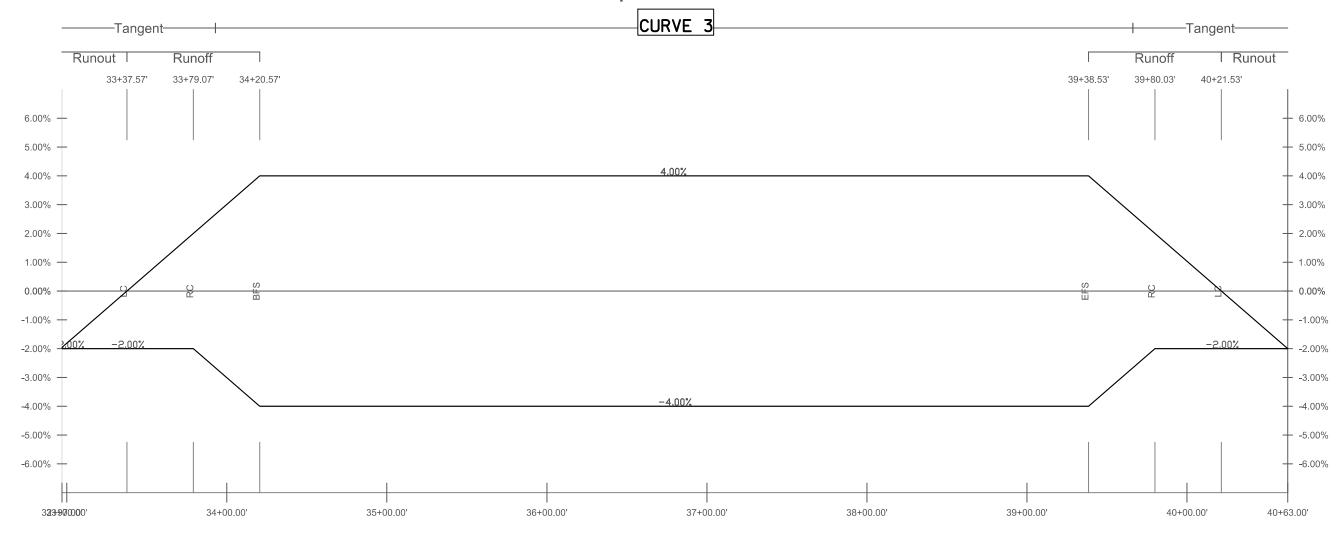
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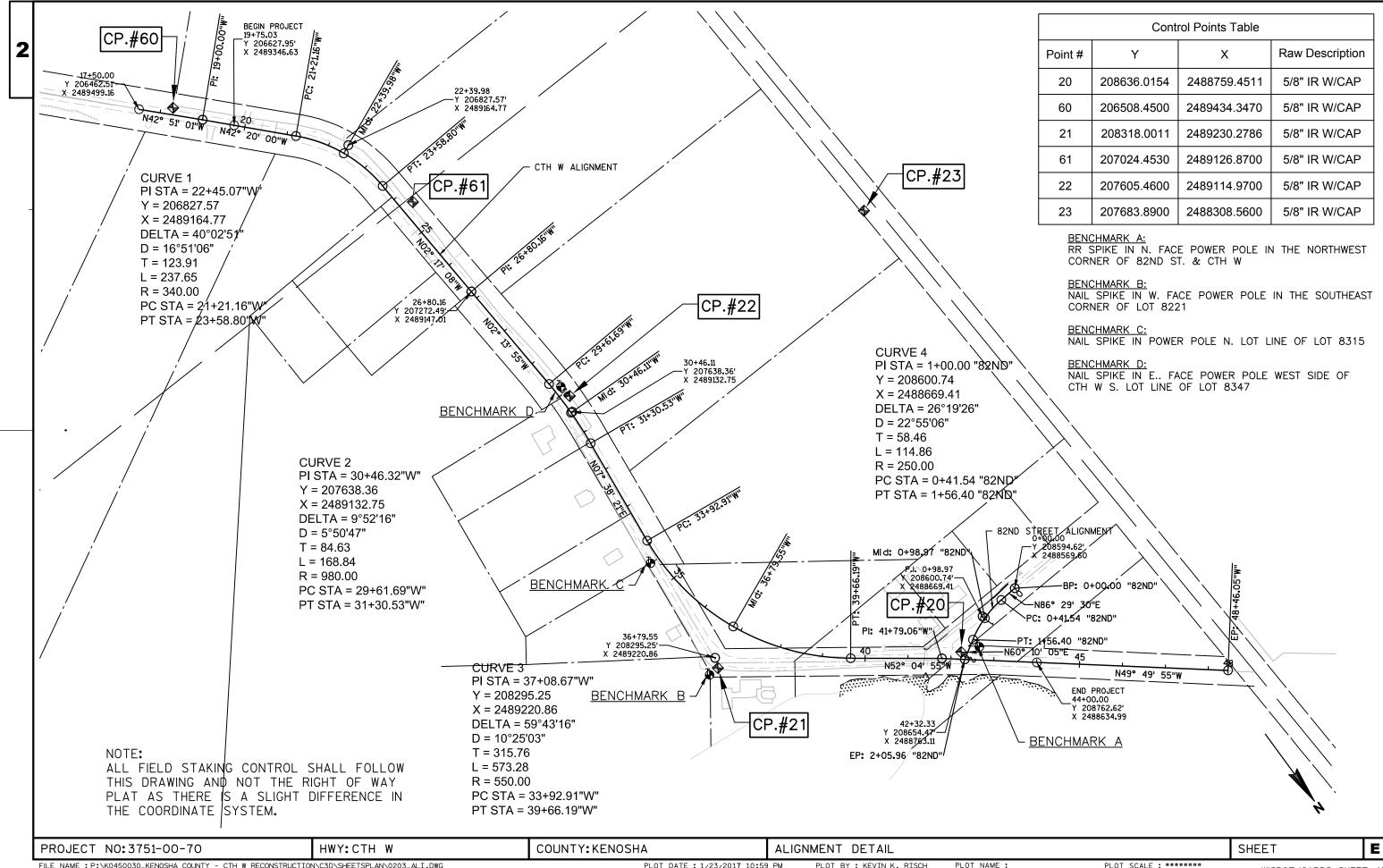
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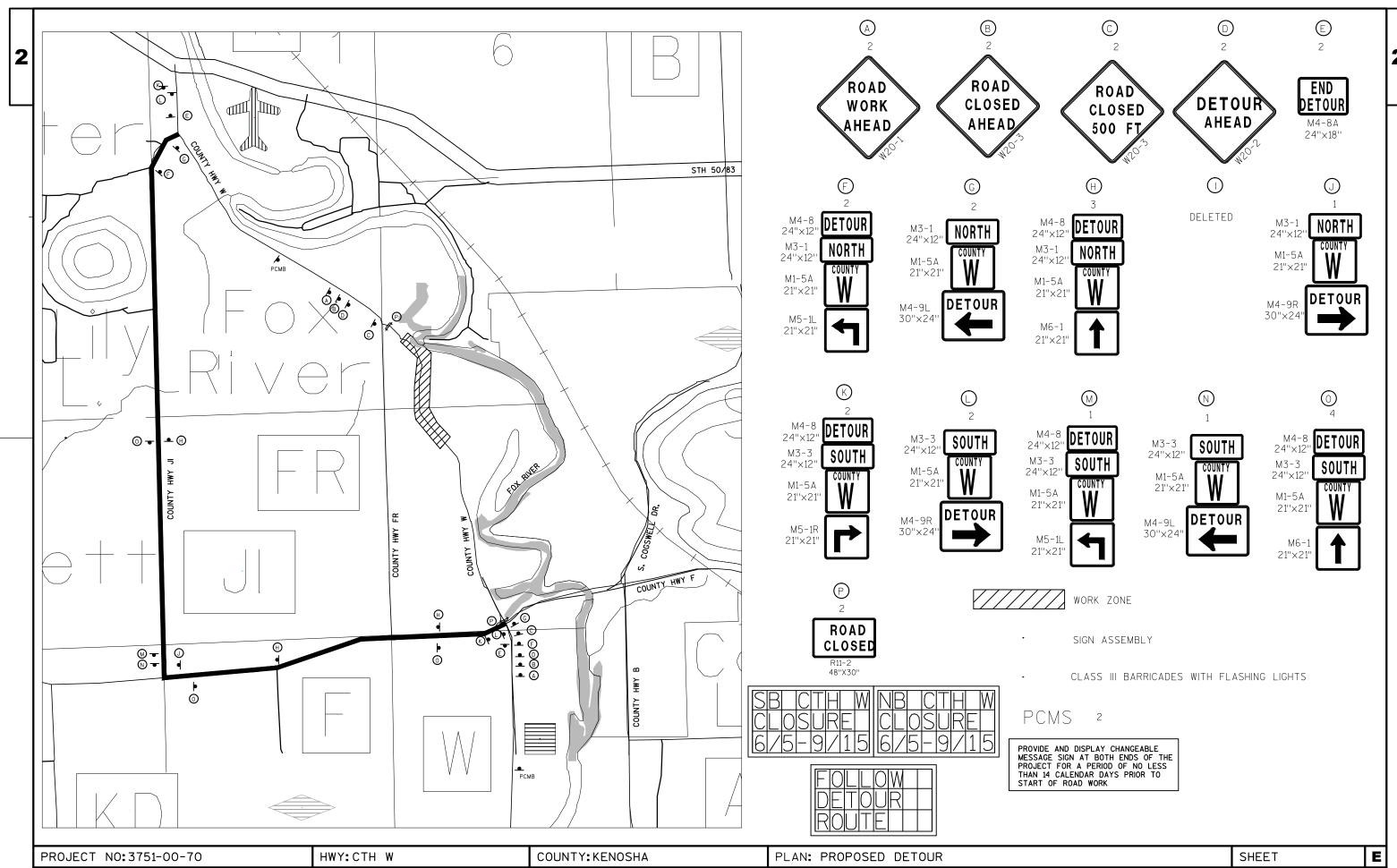
# Superelevation



PROJECT NO:3751-00-70 HWY:CTH W COUNTY:KENOSHA SUPERELEVATION DIAGRAM (CURVE 3) SHEET E







FILE NAME: P:\K0450030\_KENOSHA COUNTY - CTH W RECONSTRUCTION\C3D\SHEETSPLAN\0203\_DET.DWG LAYOUT NAME - DETOUR PLAN

PLOT DATE: 1/23/2017 11:00 PM

PLOT BY : KEVIN K. RISCH

PLOT NAME :

PLOT SCALE : ########

WISDOT/CADDS SHEET 42

611.0530 Manhole Covers Type J

0370

Page 1

					3751-00-70
Line	Item	Item Description	Unit	Total	Qty
0010	201.0110	Clearing	SY	540.000	540.000
0020	201.0110	Clearing	ID	570.000	570.000
0030	201.0120	Grubbing	SY	555.000	555.000
0040	201.0210	Grubbing	ID	905.000	905.000
0050	203.0100	Removing Small Pipe Culverts	EACH	15.000	15.000
0060	204.0100	Removing Pavement	SY	2,845.000	2,845.000
0070	204.0115	Removing Asphaltic Surface Butt Joints	SY	160.000	160.000
080	204.0113	Removing Asphaltic Surface Milling	SY	3,350.000	3,350.000
0090	204.0120	Removing Guardrail	LF	90.000	90.000
	204.0103	Excavation Common	CY		17,300.000
0100				17,300.000	
0110	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 3751-00-70	LS	1.000	1.000
0120	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	15.000	15.000
0130	213.0100	Finishing Roadway (project) 01. 3751-00-70	EACH	1.000	1.000
0140	214.0100	Obliterating Old Road	STA	3.000	3.000
0150	305.0110	Base Aggregate Dense 3/4-Inch	TON	200.000	200.000
0160	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	7,200.000	7,200.000
0170	311.0110	Breaker Run	TON	2,450.000	2,450.000
0180	416.0160	Concrete Driveway 6-Inch	SY	20.000	20.000
0190	440.4410	Incentive IRI Ride	DOL	4,850.000	4,850.000
0200	455.0605	Tack Coat	GAL	205.000	205.000
0210	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,385.000	1,385.000
0220	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,015.000	1,015.000
0230	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	129.000	129.000
0240	465.0315	Asphaltic Flumes	SY	9.000	9.000
0250	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	13.000	13.000
0260	521.0112	Culvert Pipe Corrugated Steel 12-Inch	LF	295.000	295.000
0270	522.0112	Culvert Pipe Reinforced Concrete Class III 12-Inch	LF	255.000	255.000
0280	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	130.000	130.000
0290	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	75.000	75.000
0300	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete	EACH	4.000	4.000
0000	022.1012	12-Inch	LACIT	4.000	4.000
0310	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete	EACH	1.000	1.000
<del>-</del>		18-Inch			
0320	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete	EACH	2.000	2.000
		24-Inch			
0330	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	675.000	675.000
0340	602.0405	Concrete Sidewalk 4-Inch	SF	50.000	50.000
0350	606.0200	Riprap Medium	CY	186.000	186.000
0360	606.0300	Riprap Heavy	CY	70.000	70.000

EACH

1.000

1.000

					3751-00-70	
Line	Item	Item Description	Unit	Total	Qty	
		·				
0380	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000	
0390	614.2300	MGS Guardrail Tarrainal FAT	LF	452.000	452.000	
0400	614.2610	MGS Guardrail Terminal EAT	EACH	2.000	2.000	
0410		Fence Temporary	LF	500.000	500.000	
0420	619.1000	Mobilization	EACH	1.000	1.000	
0430	623.0200	Dust Control Surface Treatment	SY	4,650.000	4,650.000	
0440	624.0100	Water	MGAL	200.000	200.000	
0450	625.0100	Topsoil	SY	2,810.000	2,810.000	
0460	625.0500	Salvaged Topsoil	SY	14,030.000	14,030.000	
0470	627.0200	Mulching Silt Fence	SY LF	10,290.000	10,290.000	
0480	628.1504 628.1520	Silt Fence Maintenance	LF	3,120.000	3,120.000	
0490				3,120.000	3,120.000	
0500	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000	
0510	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000	
0520	628.2002	Erosion Mat Class I Type A	SY	9,170.000	9,170.000	
0530	628.7504	Temporary Ditch Checks 01. EROSION CONTROL DITCH WATTLES	LF	1,480.000	1,480.000	
0540	628.7555	Culvert Pipe Checks	EACH	40.000	40.000	
0550	628.7570	Rock Bags	EACH	50.000	50.000	
0560	629.0205	Fertilizer Type A	CWT	9.700	9.700	
0570	630.0130	Seeding Mixture No. 30	LB	105.000	105.000	
0580	630.0200	Seeding Temporary	LB	70.000	70.000	
0590	631.0300	Sod Water	MGAL	60.000	60.000	
0600	631.1000	Sod Lawn	SY	7,650.000	7,650.000	
0610	633.5200	Markers Culvert End	EACH	7.000	7.000	
0620	634.0416	Posts Wood 4x4-Inch X 16-FT	EACH	7.000	7.000	
0630	637.2210	Signs Type II Reflective H	SF	16.500	16.500	
0640	638.2102	Moving Signs Type II	EACH	10.000	10.000	
0650	638.2602	Removing Signs Type II	EACH	23.000	23.000	
0660	638.3000	Removing Small Sign Supports	EACH	16.000	16.000	
0670	642.5001	Field Office Type B	EACH	1.000	1.000	
0680	643.0100	Traffic Control (project) 01. 3751-00-70	EACH	1.000	1.000	
0690	643.0420	Traffic Control Barricades Type III	DAY	186.000	186.000	
0700	643.0705	Traffic Control Warning Lights Type A	DAY	186.000	186.000	
0710	643.1000	Traffic Control Signs Fixed Message	SF	64.000	64.000	
0720	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000	
0730	643.2000	Traffic Control Detour (project) 01. 3751-00-70	EACH	1.000	1.000	
0740	643.3000	Traffic Control Detour Signs	DAY	6,890.000	6,890.000	
0750	645.0120	Geotextile Type HR	SY	365.000	365.000	
0760	646.0106	Pavement Marking Epoxy 4-Inch	LF	9,950.000	9,950.000	

# Estimate Of Quantities Page 3

					3751-00-70
Line	Item	Item Description	Unit	Total	Qty
0770	647.0576	Pavement Marking Stop Line Epoxy 24-Inch	LF	15.000	15.000
0780	650.5000	Construction Staking Base	LF	2,625.000	2,625.000
0790	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	675.000	675.000
0800	650.6000	Construction Staking Pipe Culverts	EACH	7.000	7.000
0810	650.8000	Construction Staking Resurfacing Reference	LF	1,400.000	1,400.000
0820	650.9910	Construction Staking Supplemental Control (project) 01. 3751-00-70	LS	1.000	1.000
0830	650.9920	Construction Staking Slope Stakes	LF	5,250.000	5,250.000
0840	690.0150	Sawing Asphalt	LF	215.000	215.000
0850	690.0250	Sawing Concrete	LF	20.000	20.000
0860	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	500.000	500.000
0870	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0880	SPV.0060	Special 01. TREE PROTECTION	EACH	16.000	16.000
0890	SPV.0105	Special 01. DETENTION POND OUTLET STRUCTURE	LS	1.000	1.000
0900	SPV.0105	Special 02. CONSTRUCTION STAKING DETENTION POND	LS	1.000	1.000

2845	

204.0100

SY

2450

395

### REMOVING ASPHALT

REMOVING PAVEMENT

LOCATION

Fox River Rd

82nd St

PROJECT TOTAL

		204.0115 REMOVING ASPHALT SURFACE BUTT JOINTS	204.0120 REMOVING ASPHALT SURFACE MILLING
STATION - STATION	LOCATION	SY	SY
19+75 - 31+00	Fox River Rd	-	2690
41+25 - 44+00	Fox River Rd	-	660
0+00- 0+15	82nd St	40	-
19+50 - 19+75	Fox River Rd	60	-
44+00 - 44+25	Fox River Rd	60	-
	PROJECT TOTAL	160	3350

### REMOVING GUARD RAIL

		204.0165
STATION-STATION	LOCATION	LF
36+72 - 37+37	Fox River Road, RT	90
	PROJECT TOTAL	90

### REMOVING SMALL PIPE CULVERTS

### 203.0100 REMOVING SMALL PIPE CULVERTS

STAT	ΓΙΟΝ	LOCATION	EACH	COMMENTS	
20+0	0 LT	Fox River Road	1	EXISTING DRIVEWAY (12	" PIPE)
21+6	0 LT	Fox River Road	1	EXISTING DRIVEWAY (10	" PIPE)
21+9	0 LT	Fox River Road	1	EXISTING DRIVEWAY (12	" PIPE)
30+3	5 RT	Fox River Road	1	EXISTING DRIVEWAY (15	" PIPE)
33+7	0 RT	Fox River Road	1	EXISTING DRIVEWAY (15	" PIPE)
34+1	0 RT	Fox River Road	1	EXISTING DRIVEWAY (20	" PIPE)
35+0	0 LT	Fox River Road	1	EXISTING DRIVEWAY (15	" PIPE)
35+8	0 RT	Fox River Road	1	EXISTING DRIVEWAY (20	" PIPE)
36+8	5 RT	Fox River Road	1	EXISTING DRIVEWAY (12	" PIPE)
38+1	0 RT	Fox River Road	1	EXISTING DRIVEWAY (15	" PIPE)
40+3	0 LT	Fox River Road	1	EXISTING DRIVEWAY (15	" PIPE)
41+	-45	Fox River Road	1	EXISTING DRIVEWAY (15	" PIPE)
41+7	5 LT	82nd St	1	UNDER ROADWAY (12"	PIPE)
44+	-25	Fox River Road	1	UNDER ROADWAY (24"	PIPE)
1+05	5 RT	82nd St	1	EXISTING DRIVEWAY (12	" PIPE)
		PROJECT TOTAL	15		
					1
MI	SCELLANI	EOUS QUANTITIES			SHEET:

HWY: CTH W COUNTY: KENOSHA PROJECT NO: NO: 3751-00-70

23

540

153

26

TREE REMOVAL

201.0120

**CLEARING** 

ID

18

10

48

48

42

12

24

18

20

28

26

24

28

28

24

10

30

26

24

12

570

201.0210

**GRUBBING** 

SY

68

56

165

44

153

26

16

23

555

201.0220

**GRUBBING** 

ID

-

18

10

32

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16

48

12

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8 12

24 60

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14 20

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48

42

12

24 18

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6

16

8

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28 26

24

8

28 28

24 10

30

26

24

12

905

201.0110

**CLEARING** 

SY

68

56

165

ALL PAY ITEMS ARE GROUP CODE 010 UNLESS OTHERWISE

LOCATION

Fox River Rd

Fox River Rd, 34' RT

Fox River Rd, 28' RT

Fox River Rd. 30' RT

Fox River Rd, 30' RT

Fox River Rd, 43' RT

Fox River Rd, 35' RT

Fox River Rd, 37' RT

Fox River Rd, 50' LT

Fox River Rd. 14' RT

Fox River Rd, 10' RT

Fox River Rd, 20' LT

Fox River Rd, 118' LT

Fox River Rd, 38' LT

Fox River Rd, 43' RT

Fox River Rd. 0'

Fox River Rd, 50' LT

Fox River Rd, 102' LT

Fox River Rd, 80' LT

Fox River Rd, 0'

Fox River Rd, 68' LT

Fox River Rd. 75' LT

Fox River Rd, 34' LT

Fox River Rd, 60' LT

Fox River Rd, 16' LT

Fox River Rd, 30' LT

Fox River Rd, 43' LT

Fox River Rd, 50' LT

Fox River Rd, 54' LT

Fox River Rd, 20'-53' LT

Fox River Rd, 40' LT

Fox River Rd, 31' LT

Fox River Rd, 42' LT

Fox River Rd, 27' LT

Fox River Rd, 25' LT

Fox River Rd, 40' LT

Fox River Rd, 25' RT

Fox River Rd, 55' LT

82nd St, 27' RT

82nd St, 15' LT

82nd St, 29' RT

82nd St, 14' LT

82nd St, 12' LT

82nd St, 37' RT

82nd St, 50' RT

82nd St, 50' RT

82nd St, 2' RT

82nd St, 3' RT

82nd St, 49' RT

82nd St, 50' RT

82nd St, 20' LT

82nd St, 4' RT

PROJECT TOTAL

NOTED

STATION

21+00

24+85

30+85

32+20

32+35 - 33+55

32+55

34+20

34+80

35+65

36+05

36+25

36+35

36+65

36+80

37+30

37+30

37+30

37+85

37+95

38+00

38+10

38+30

38+40

38+50

38+55

38+70

38+85 39+00

39+05

39+30

39+65

39+70

39+75

40+15

40+50 - 41+75

40+85

41+55

43+00

0+35

0+50

0+69

0+80

0+90

0+95

1+10

1+13

1+15

1+25

1+26

1+30

1+40

1+45

27

29

37

50

49

PLOT DATE : \_\_\_07-24-2016

PLOT BY : KEVIN RISCH

STATION - STATION

31+00 - 41+25

0+15 - 2+00

PLOT NAME : \_

PLOT SCALE: 1:1

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NOTITIO	
STATION-STATION   LOCATION   CY   CY   CY   CY   CY   CY   CY   C	3 4 NDED LL WASTE
SITA 1947 5 to SITA 314-01	
STA14+PDID ISTA14+SP0   TOTAL	00 2720
STA38-65 IS TA 38-0 U.T.   CTH W   8800   50   20   330     PROJECT TOTAL   16200   1570   520   1100   14110   2100   2     PROJECT TOTAL   16200   17300   17300   17300   2     PROJECT TOTAL   16200   1570   520   1100   14110   2100   2     PROJECT TOTAL   16200   17300   17300   17300   2     PROJECT TOTAL   16200   1570   520   1100   14110   2100   2     PROJECT TOTAL   16200   17300   17300   17300   2     PROJECT TOTAL   16200   17300   17300   17300   2     PROJECT TOTAL   16200   173000   173000   173000   173000   173000   173000   173000   173000   173000   1730	50 640
STADHOTO STATH87   82nd STREET   400   50   20   330     PROJECT TOTAL   16200   1570   520   1100   14110   2100   2     1100   17300     17300     1100   1	820 8800
1100	350
**************************************	00 13330
C2   USABLE MATERIAL, AVAILABLE   EXCANATION OCCOMMON - EXCESS TOPSOIL - UNUSABLE MATERIAL	
PREPARING FOUNDATIONS FOR ASPHALT	
ASPH. PAVING   ASPH. SHOULDERS   (ID 3751-00-70)   (ID 3751-00-7	
211.0100	213.0100 FINISHING ROADWAY (ID 3751-00-70) EACH
ASPH. PAVING (ID 3751-00-70)   STA   SPH. SHOULDERS (ID 3751-00-70)   STA	1
Fox River Rd & 82nd St	1
PROJECT TOTAL 1 15     STATION - STATION	
STATION - STATION   LOCATION   STATION   35+00 - 38+00 RT   Fox River Rd   3    PROJECT TOTAL   3    TEMPORARY FENCING  BREAKER RUN  311.0110	
BREAKER RUN  311.0110  TEMPORARY FENCING  616	
BREAKER RUN 311.0110 616	<u> </u>
311.0110	
_	0600.S
	NCE ODA DV
31+00 - 41+25 Fox River Rd 2450 STATION OFFSET LOCATION	ORARY _F
PROJECT TOTAL <u>2450</u> 37+94 TO 39+71 LT 225' Fox River Rd UNDISTRUBUTED	-1 10 <u>90</u> 00
PROJECT NO: NO: 3751-00-70 HWY: CTH W COUNTY: KENOSHA MISCELLANEOUS QUANTITIES	SHEET:

ALL PAY ITEMS A CODE 010 UNLESS	I			CULVE	RT PIPES		500 4040	500 4040	500 400 4
NOTED	LOCATION	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EA	521.0112 CULVERT PIPE CORRUGATED STEEL 12-INCH LF	522.0112 CULVERT PIPE REINF. CONCRETE CLASS III 12-INCH LF	522.0118 CULVERT PIPE REINF. CONCRETE CLASS III 18-INCH LF	522.0124 CULVERT PIPE REINF. CONCRET CLASS III 24-INCH LF		522.1018  APRON ENDWALLS  FOR CULVERT PIPE  REINFORCED CONC.  18-INCH  EA	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONC. 24-INCH EA
								LA	LA
20+00 LT	Fox River Rd	2	25	-	-	-	-	-	-
34+10 RT	Fox River Rd	2	25	-	-	-	-	-	-
35+05 RT & LT	Under Fox River Rd	-	-	180	-	-	2	-	-
35+80 RT	Fox River Rd	2	50	-	-	-	-	-	-
36+85 RT	Fox River Rd	2	50	-	-	-	-	-	-
38+10 RT	Fox River Rd	1	65	-	-	-	-	-	-
38+25 RT & LT	Under Fox River Rd	-	-	-	130	-	-	1	-
40+30 LT	Fox River Rd	2	45	-	-	-	-	-	-
1+90 RT & LT	Under Fox River Rd	-	-	-	-	75	-	-	2
1+43 RT	82nd Street	2	35	_	_	-	_	_	-
I+49 RT & LT	Under 82nd St	<u>-</u>	-	75	_	_	2	_	_
145 KI & LI	Officer Ozific Ot								
Р	ROJECT TOTAL	13	295	255	130	75	4	1	2
_	STATION - STATION 25+43 - 25+75	LOCATION Fox River Road, RT	6-INCH SY 20		STATION	LOCATION	PHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES TON	465.0315 ASPHALTIC FLUMES SY	COMMENTS
				- 1	20+00 LT	Fox River Road	9	-	DRIVEWAY
		PROJECT TOTAL	20	- 1	25+60 RT	Fox River Road	6	_	DRIVEWAY
			·	- 1	29+25 RT	Fox River Road	7	_	DRIVEWAY
				- 1	30+35 RT	Fox River Road	5	_	DRIVEWAY
					32+00 RT	Fox River Road	5	_	DRIVEWAY
	BASE A	GGREGATE			34+10 RT	Fox River Road	8	_	DRIVEWAY
					35+80 RT	Fox River Road	15	_	DRIVEWAY
		305.0110	305.0120		36+85 RT	Fox River Road	15 18	-	DRIVEWAY
		BASE AGGREGATE	BASE AGGREGATE			Fox River Road		-	
		DENSE 3/4"	DENSE 1 1/4"		38+10 RT		28	-	DRIVEWAY
STATION - STATIO	_	TON	TON	COMMENTS	40+30 LT	Fox River Road	10	-	DRIVEWAY
19+75 - 31+00	Fox River Rd	69	2028		1+43 RT	82nd St	18	-	DRIVEWAY
31+00 - 41+25	Fox River Rd	63	3752		32+25 RT	Fox River Rd	-	9	END of C&G
41+25 - 44+00	Fox River Rd	17	496			_			. <u></u>
0+00 - 2+00	82nd St	37	637	D D II (5)4/4)/		PROJECT TOTAL	129	9	
20+00 LT	Fox River Road	-	17	DRIVEWAY					
25+60 RT	Fox River Road	-	10	DRIVEWAY	NOTE: ASPHALT	SURFACE TONNAGE I	IS BASED ON 4 INCHES THICK		
29+25 RT	Fox River Road	-	14	DRIVEWAY					
30+35 RT	Fox River Road	-	9	DRIVEWAY			INCENTIVE IRI RIDE		
32+00 RT	Fox River Road	-	9	DRIVEWAY					
34+10 RT	Fox River Road	-	14	DRIVEWAY				440.4410	
35+80 RT	Fox River Road	-	30	DRIVEWAY				INCENTIVE IRI RIDE	
36+85 RT	Fox River Road	-	35 55	DRIVEWAY	S	TATION - STATION	LOCATION	DOL	
38+10 RT	Fox River Road	-	55 30	DRIVEWAY		75 - 44+00 EAST SIDE	Fox River Rd, RT	2425	
40+30 LT	Fox River Road	-	20	DRIVEWAY					
1+43 RT	82nd St	-	34	DRIVEWAY	19+7	5 - 44+00 WEST SIDE	Fox River Rd, LT	2425	
	PROJECT TOTAL	200	7200				PROJECT TOTAL	4850	

STATION - STATION UNDISTRIBUTED		LOCATION NDISTRIBUTED	<u>MC</u> 2	0100 GAL 00	STATION - STATION 19+75 - 31+00 19+75 - 31+00 19+75 - 31+00 31+00 - 41+25	LOCATION  Fox River Rd	455.0605 TACK COAT GAL 135 - -	460.5223 HMA PAVEMENT 3 LT 58-28 S TON 375 45 175 380	460.5224 HMA PAVEMENT 4 LT 58-28 S TON - 45 175 380	ASPHALT THICKNESS (LOWERUPPER 2.5" 2.5"2.5" 2.5"2.5"	<u>()</u>
	CONCRETE CURB		601.0411 NCRETE CURB &GU 30-INCH TYPE D	TTER Su	31+00 - 41+25 41+25 - 44+00 41+25 - 44+00 41+25 - 44+00 0+00 - 2+00 per Elev. Wedge (undist.)	Fox River Rd 82nd St Sta 19+00 to 31+00	- 35 - - 35	160 95 15 45 95	160 - 15 45 95	2.5"2.5" 2.5"2.5" 2.5"2.5" 2.5"2.5" 2.5"2.5"	
STATION - STATION 25+50 - 32+25	LOCATION Fox River Rd, RT		10-INCH TYPE D LF 675			PROJECT TOTAL	205	1385	1015		- =
				•							
		SAWING 690.0150 SAWING	690.0250 SAWING			STATION - STAT 19+75 - 44.00 & 0+0		MOBILIZATION  LOCATION  Fix River Rd & 82nd S  PROJECT	Gt MO	619.1000 OBILIZATION EACH 1	
<u>STATION</u> 19+50	LOCATION Fox River Road	690.0150		COMMENTS TERMINI				LOCATION Fix River Rd & 82nd S PROJECT	TOTAL	DBILIZATION EACH 1 1	
19+50 I 19+75 I	Fox River Road Fox River Road	690.0150 SAWING ASPHALT LF 25 25	SAWING CONCRETE LF	TERMINI TERMINI				LOCATION Fix River Rd & 82nd S PROJECT	Gt MO	DBILIZATION EACH 1 1	
19+50 I 19+75 I 20+00 LT I	Fox River Road Fox River Road Fox River Road	690.0150 SAWING ASPHALT LF 25	SAWING CONCRETE  LF	TERMINI TERMINI DRIVEWAY			0 - 2+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CON	TROL SURFACE TREA	DBILIZATION EACH 1 1	623.020 SY
19+50 I 19+75 I 20+00 LT 25+60 RT	Fox River Road Fox River Road	690.0150 SAWING ASPHALT LF 25 25	SAWING CONCRETE  LF -	TERMINI TERMINI			0 - 2+00 STATION	LOCATION Fix River Rd & 82nd S PROJECT	TOTAL	DBILIZATION EACH  1  1  ATMENT	SY
19+50 19+75 20+00 LT 25+60 RT 29+25 RT	Fox River Road Fox River Road Fox River Road Fox River Road	690.0150 SAWING ASPHALT LF 25 25 10	SAWING CONCRETE  LF 20	TERMINI TERMINI DRIVEWAY DRIVEWAY			STATION 31+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT	TOTAL  TROL SURFACE TREA	DBILIZATION EACH  1  1  ATMENT	
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT	Fox River Road	690.0150 SAWING ASPHALT LF 25 25 10 -	SAWING CONCRETE  LF 20 -	TERMINI TERMINI DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY			STATION 31+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT N - STATION 0 - 41+25	TROL SURFACE TREA  LOCATION  Fox River Rd  82nd St	DBILIZATION EACH 1  1  ATMENT	SY 4100 550
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT 34+10 RT	Fox River Road	690.0150 SAWING ASPHALT  LF  25  25  10  -  20  15  -  -	SAWING CONCRETE  LF 20	TERMINI TERMINI DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY			STATION 31+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT N - STATION 0 - 41+25	TROL SURFACE TREA  LOCATION  Fox River Rd  82nd St	DBILIZATION EACH  1  1  ATMENT	SY 4100
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT 34+10 RT 35+80 RT	Fox River Road	690.0150 SAWING ASPHALT  LF  25  25  10  -  20  15  -  20	SAWING CONCRETE  LF 20	TERMINI TERMINI DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY			STATION 31+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT N - STATION 0 - 41+25	TROL SURFACE TREA  LOCATION  Fox River Rd  82nd St	DBILIZATION EACH 1  1  ATMENT	SY 4100 550
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT 34+10 RT 35+80 RT	Fox River Road	690.0150 SAWING ASPHALT  LF  25  25  10  -  20  15  -  20  10	SAWING CONCRETE  LF 20	TERMINI TERMINI DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY			STATION 31+00 0+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT  N - STATION 0 - 41+25 0 - 2+00	TOTAL  TROL SURFACE TREA  LOCATION  Fox River Rd 82nd St  PR	DBILIZATION EACH 1  1  ATMENT	SY 4100 550
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT 34+10 RT 35+80 RT 36+85 RT 38+10 RT	Fox River Road	690.0150 SAWING ASPHALT  LF 25 25 10 - 20 15 - 20 10 20	SAWING CONCRETE  LF 20	TERMINI TERMINI DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY			STATION 31+00 0+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT N - STATION 0 - 41+25	TOTAL  TROL SURFACE TREA  LOCATION  Fox River Rd 82nd St  PR	DBILIZATION EACH 1  1  ATMENT	SY 4100 550
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT 34+10 RT 35+80 RT 36+85 RT 38+10 RT 40+30 LT	Fox River Road	690.0150 SAWING ASPHALT  LF 25 25 10 - 20 15 - 20 10 20 15	SAWING CONCRETE  LF 20	TERMINI TERMINI DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY			STATION 31+00 0+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT  N - STATION 0 - 41+25 0 - 2+00	TOTAL  TROL SURFACE TREA  LOCATION  Fox River Rd 82nd St  PR	DBILIZATION EACH 1  1  ATMENT	SY 4100 550
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT 34+10 RT 35+80 RT 36+85 RT 38+10 RT 40+30 LT 44+00	Fox River Road	690.0150 SAWING ASPHALT  LF 25 25 10 - 20 15 - 20 10 20 15 25	SAWING CONCRETE  LF 20	TERMINI TERMINI DRIVEWAY TERMINI			STATION 31+00 0+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT  N - STATION 0 - 41+25 0 - 2+00	TROL SURFACE TREA  LOCATION Fox River Rd 82nd St PR	DBILIZATION EACH  1  1  ATMENT  ROJECT TOTAL	SY 4100 550
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT 34+10 RT 35+80 RT 36+85 RT 38+10 RT 40+30 LT 44+00 44+25	Fox River Road	690.0150 SAWING ASPHALT  LF 25 25 10 - 20 15 - 20 10 20 15 25 25 25 25	SAWING CONCRETE  LF 20	TERMINI TERMINI DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY DRIVEWAY		19+75 - 44.00 & 0+0	STATION 31+00 0+00	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT  N - STATION 0 - 41+25 0 - 2+00  ETE SIDEWALK 4 INC	TOTAL  TROL SURFACE TREA  LOCATION Fox River Rd 82nd St  PR  CONRETE SIDEV 4 INCH	DBILIZATION EACH  1  1  ATMENT  ROJECT TOTAL	SY 4100 550
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT 34+10 RT 35+80 RT 36+85 RT 38+10 RT 40+30 LT 44+00	Fox River Road	690.0150 SAWING ASPHALT  LF 25 25 10 - 20 15 - 20 10 20 15 25 25 25 25 20	SAWING CONCRETE  LF 20	TERMINI TERMINI DRIVEWAY TERMINI TERMINI		19+75 - 44.00 & 0+0	STATION  STATION  STATION  STATION  STATION  STATION  STATION	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT  N - STATION 0 - 41+25 0 - 2+00  ETE SIDEWALK 4 INC	TOTAL  TROL SURFACE TREA  LOCATION Fox River Rd 82nd St  PR  CONRETE SIDEV 4 INCH SF	DBILIZATION EACH  1  1  ATMENT  ROJECT TOTAL	SY 4100 550
19+50 19+75 20+00 LT 25+60 RT 29+25 RT 30+35 RT 32+00 RT 34+10 RT 35+80 RT 36+85 RT 38+10 RT 40+30 LT 44+00 44+25 0+00	Fox River Road	690.0150 SAWING ASPHALT  LF 25 25 10 - 20 15 - 20 10 20 15 25 25 25 25	SAWING CONCRETE  LF	TERMINI TERMINI DRIVEWAY TERMINI TERMINI		19+75 - 44.00 & 0+0	STATION  STATION  STATION  STATION  STATION  STATION  STATION	LOCATION Fix River Rd & 82nd S PROJECT  DUST CONT  N - STATION 0 - 41+25 0 - 2+00  ETE SIDEWALK 4 INC	TOTAL  TROL SURFACE TREA  LOCATION Fox River Rd 82nd St  PR  CONRETE SIDEV 4 INCH	DBILIZATION EACH  1  1  ATMENT  ROJECT TOTAL	SY 4100 550

PROJECT NO: NO: 3751-00-70 PLOT SCALE : 1:1 PLOT DATE : <u>07-24-2016</u> PLOT BY : <u>KEVIN RISCH</u> PLOT NAME : \_\_\_

	GROUP HERWISE MAN	NHOLES				MARKERS			FIEL	LD OFFICE	
OTED		611.0530 MANHOLE COVER	611.2004 MANHOLES		STATION - STATION	LOCATION	633.5200 CULVERT END EA		100171011		642.5001 FIELD OFFICE TYPE B
CTATION	OCATION	TYPE J	4-FT DIAMETER	· I —	34+55 RT	Fox River Rd	1	I —	LOCATION Fox River Rd		EACH 1
	OCATION ox River Rd, 38.8' RT	EACH 1	EACH	— I	36+05 LT	Fox River Rd	1		rox River Ru		1
	PROJECT TOTAL	1		_	38+50 RT 42+00 LT 41+75 RT	Fox River Rd Fox River Rd Fox River Rd	1 1 1		PROJECT	T TOTAL	1
	_	·	_	_	1+50 RT/LT	82nd St PROJECT TOTAL	7		RIPRA	ΔΡ	
		SEMI DICID DAD	RIER SYSTEMS AND END	TDE ATMENTS					TXII TX	606.0200	606.0300
		SEMI-RIGID BAR	KIEK SYSTEMS AND ENL	J IKEA IMENIS	1			STATION	LOCATION	RIPRAP MEDIUM CY	RIPRAP HEAVY
								32+75 RT	Fox River Rd	15	-
		614.2	300	614.26	610			34+55 RT	Fox River Rd	11	-
		MIDWEST GI			IL SYSTEM (MGS)			36+05 LT	Fox River Rd	11	-
		SYSTEM	(MGS) 3 EN	ERGY ABSORB	BING TERMINAL			38+00 LT	Fox River Rd	135	-
STATION	LOCATION	LF		EA				38+75 RT	Fox River Rd	-	35 35
39+00 - 43+50 RT	Fox River Rd	452	2	2				41+75 RT 42+00 LT	Fox River Rd Fox River Rd	- 9	35
	<b></b>							42+00 LT 43+00 LT	Fox River Rd	9 5	-
	PROJECT TOTAL	452	<u> </u>	2				.0.00 =1	. 5	Ŭ	
									PROJECT TOTAL	186	70
				FINISHING	629.0205	630.0130	630.0200		_		
		625.0100 TOPSOIL	625.0500 SALVAGED TOPSOIL	627.0200 MUCLHING	629.0205 FERTILIZER TYPE A	SEEDING MIXTURE NO. 30	630.0200 SEEDING TEMPORARY	631.0300 SOD WATER			
STATION - STATION	LOCATION			627.0200	629.0205 FERTILIZER	SEEDING MIXTURE	SEEDING		SOD LAWN	N	
34+55 RT	Fox River Rd	TOPSOIL	SALVAGED TOPSOIL	627.0200 MUCLHING	629.0205 FERTILIZER TYPE A	SEEDING MIXTURE NO. 30	SEEDING TEMPORARY	SOD WATER	SOD LAWN	N  sod aro	
34+55 RT 36+05 LT	Fox River Rd Fox River Rd	TOPSOIL	SALVAGED TOPSOIL	627.0200 MUCLHING	629.0205 FERTILIZER TYPE A	SEEDING MIXTURE NO. 30	SEEDING TEMPORARY	SOD WATER	SOD LAWN	N  sod ard sod ard	ound apron endwa
34+55 RT	Fox River Rd	TOPSOIL	SALVAGED TOPSOIL	627.0200 MUCLHING	629.0205 FERTILIZER TYPE A	SEEDING MIXTURE NO. 30	SEEDING TEMPORARY	SOD WATER	SOD LAWN	N sod ard sod ard sod ard sod ard	ound apron endwa
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT	Fox River Rd Fox River Rd Fox River Rd Fox River Rd Fox River Rd	TOPSOIL	SALVAGED TOPSOIL	627.0200 MUCLHING	629.0205 FERTILIZER TYPE A	SEEDING MIXTURE NO. 30	SEEDING TEMPORARY	SOD WATER	SOD LAWN SY 5 5 5 30 10	Sod ard sod ard sod ard sod ard sod ard	ound apron endwa ound apron endwa od after riprap ound apron endwa
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT	Fox River Rd	TOPSOIL	SALVAGED TOPSOIL SY	627.0200 MUCLHING SY - - - - -	629.0205 FERTILIZER TYPE A CWT	SEEDING MIXTURE NO. 30 LB	SEEDING TEMPORARY	SOD WATER  MGAL  1  1  1  1  1  1  1	SOD LAWN SY 5 5 5 30 10 55	sod ard sod ard sod ard sod ard sod ard sod bey	ound apron endwa ound apron endwa od after riprap ound apron endwa ond level spreado
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00	Fox River Rd	TOPSOIL	SALVAGED TOPSOIL SY 5140	627.0200 MUCLHING SY 2400	629.0205 FERTILIZER TYPE A CWT 1.5	SEEDING MIXTURE NO. 30 LB 45	SEEDING TEMPORARY	SOD WATER  MGAL  1  1  1  1  1  1  1  1  1  1	SOD LAWN SY 5 5 5 30 10 55 2740	sod ard sod ard sod ard sod ard sod ard sod bey 4" topsoil	ound apron endwa ound apron endwa od after riprap ound apron endwa ond level spreade , sod through ditcl
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25	Fox River Rd	TOPSOIL	SALVAGED TOPSOIL	627.0200 MUCLHING SY 2400 5600	629.0205 FERTILIZER TYPE A CWT 1.5 3.5	SEEDING MIXTURE NO. 30 LB 45 15	SEEDING TEMPORARY	SOD WATER  MGAL  1  1  1  1  1  1  1  1  1  1  1  1  1	SOD LAWN SY 5 5 5 30 10 55 2740 2140	sod ard sod ard sod ard sod ard sod ard sod bey 4" topsoil 4" topsoil	ound apron endwa bund apron endwa od after riprap bund apron endwa ond level spreade , sod through ditcl , sod through ditcl
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25 41+25 - 44+00	Fox River Rd	TOPSOIL	SALVAGED TOPSOIL	627.0200 MUCLHING SY 2400 5600 220	629.0205 FERTILIZER TYPE A CWT 1.5 3.5 0.1	SEEDING MIXTURE NO. 30	SEEDING TEMPORARY	SOD WATER  MGAL  1  1  1  1  1  1  1  1  1  1	SOD LAWN SY 5 5 5 30 10 55 2740	sod ard sod ard sod ard sod ard sod ard sod bey 4" topsoil 4" topsoil	ound apron endwa bund apron endwa od after riprap bund apron endwa ond level spreade , sod through ditch , sod through ditch , sod through ditch
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25	Fox River Rd	TOPSOIL SY  760 1160 100 70	SALVAGED TOPSOIL	627.0200 MUCLHING SY 2400 5600 220 450	629.0205 FERTILIZER TYPE A CWT 1.5 3.5 0.1 0.3	SEEDING MIXTURE  NO. 30  LB  45 15 5 10	SEEDING TEMPORARY	SOD WATER  MGAL  1  1  1  1  1  1  1  1  1  3	SOD LAWN SY  5 5 5 30 10 55 2740 2140 480	sod ard sod ard sod ard sod ard sod bey 4" topsoil 4" topsoil 4" topsoil,	ound apron endwa bund apron endwa od after riprap bund apron endwa ond level spreade , sod through ditch , sod through ditch seed through ditch
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25 41+25 - 44+00 0+00 - 2+00	Fox River Rd	TOPSOIL SY  760 1160 100 70	SALVAGED TOPSOIL	627.0200 MUCLHING SY 2400 5600 220	629.0205 FERTILIZER TYPE A CWT 1.5 3.5 0.1	SEEDING MIXTURE NO. 30	SEEDING TEMPORARY	SOD WATER MGAL  1 1 1 1 1 1 1 1 1 2 3 -	SOD LAWN SY 5 5 5 30 10 55 2740 2140 480	sod ard sod bey 4" topsoil 4" topsoil, 4" topsoil, 4" topsoil, 4" topsoil,	ound apron endwa bund apron endwa od after riprap bund apron endwa ond level spreade , sod through ditch , sod through ditch seed through ditch
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25 41+25 - 44+00 0+00 - 2+00 35+50 - 38+25 LT 35+00 - 38+00 RT	Fox River Rd Sand St Fox River Road Salvaged Topsoil Pile	TOPSOIL SY  760 1160 100 70  720	SALVAGED TOPSOIL	627.0200 MUCLHING SY  2400 5600 220 450 1620	629.0205 FERTILIZER TYPE A CWT 1.5 3.5 0.1 0.3 1.0	SEEDING MIXTURE NO. 30  LB  45 15 5 10 30	SEEDING TEMPORARY LB	SOD WATER  MGAL  1  1  1  1  1  1  16  12  3  -  13 -	SOD LAWN SY  5 5 5 30 10 55 2740 2140 480	sod ard sod bey 4" topsoil 4" topsoil, 4" topsoil, 4" topsoil, 4" topsoil,	ound apron endwa yond level spreade , sod through ditch , sod through ditch , sod through ditch seed through ditch soil (Sod for pond)
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25 41+25 - 44+00 0+00 - 2+00 35+50 - 38+25 LT 35+00 - 38+00 RT	Fox River Rd Sand St Fox River Rd (Pond) Old Fox River Road Salvaged Topsoil Pile ed Water for Seeded Areas	TOPSOIL SY  760 1160 100 70 720	SALVAGED TOPSOIL  SY  5140 3940 700 450 3800 -	627.0200 MUCLHING SY  2400 5600 220 450 1620 -	629.0205 FERTILIZER TYPE A CWT  1.5 3.5 0.1 0.3 1.0 3	SEEDING MIXTURE NO. 30  LB  45 15 5 10 30 -	SEEDING TEMPORARY LB	SOD WATER  MGAL  1  1  1  1  1  1  16  12  3  -  13  -  10	SOD LAWN SY 5 5 5 30 10 55 2740 2140 480 - 2180 -	sod ard sod bey 4" topsoil 4" topsoil, 4" topsoil, 4" topsoil, 4" topsoil,	ound apron endwa bund apron endwa od after riprap bund apron endwa ond level spreade , sod through ditch , sod through ditch seed through ditch seed through ditch
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25 41+25 - 44+00 0+00 - 2+00 35+50 - 38+25 LT 35+00 - 38+00 RT	Fox River Rd Sand St Fox River Road Salvaged Topsoil Pile	TOPSOIL SY  760 1160 100 70  720	SALVAGED TOPSOIL	627.0200 MUCLHING SY  2400 5600 220 450 1620	629.0205 FERTILIZER TYPE A CWT 1.5 3.5 0.1 0.3 1.0	SEEDING MIXTURE NO. 30  LB  45 15 5 10 30	SEEDING TEMPORARY LB	SOD WATER  MGAL  1  1  1  1  1  1  16  12  3  -  13 -	SOD LAWN SY  5 5 5 30 10 55 2740 2140 480	sod ard sod bey 4" topsoil 4" topsoil, 4" topsoil, 4" topsoil, 4" topsoil,	ound apron endwa bund apron endwa od after riprap bund apron endwa ond level spreade , sod through ditch , sod through ditch seed through ditch seed through ditch
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25 41+25 - 44+00 0+00 - 2+00 35+50 - 38+25 LT 35+00 - 38+00 RT	Fox River Rd Sand St Fox River Rd (Pond) Old Fox River Road Salvaged Topsoil Pile ed Water for Seeded Areas PROJECT TOTAL	TOPSOIL SY  760 1160 100 70 720	SALVAGED TOPSOIL  SY  5140 3940 700 450 3800 -	627.0200 MUCLHING SY  2400 5600 220 450 1620 -	629.0205 FERTILIZER TYPE A CWT  1.5 3.5 0.1 0.3 1.0 3	SEEDING MIXTURE NO. 30  LB  45 15 5 10 30 -	SEEDING TEMPORARY LB	SOD WATER  MGAL  1  1  1  1  1  1  16  12  3  -  13  -  10	SOD LAWN SY 5 5 5 30 10 55 2740 2140 480 - 2180 -	sod ard sod bey 4" topsoil 4" topsoil, 4" topsoil, 4" topsoil, 4" topsoil,	ound apron endward apron endward after riprap ound apron endward apron e
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25 41+25 - 44+00 0+00 - 2+00 35+50 - 38+25 LT 35+00 - 38+00 RT	Fox River Rd Sand St Fox River Rd (Pond) Old Fox River Road Salvaged Topsoil Pile ed Water for Seeded Areas PROJECT TOTAL	TOPSOIL SY  760 1160 100 70 720	SALVAGED TOPSOIL SY  5140 3940 700 450 3800 -  14030	627.0200 MUCLHING SY  2400 5600 220 450 1620 -  10290  ,900 SY	629.0205 FERTILIZER TYPE A CWT  1.5 3.5 0.1 0.3 1.0 3	SEEDING MIXTURE NO. 30  LB  45 15 5 10 30 - 105	SEEDING TEMPORARY LB	SOD WATER  MGAL  1  1  1  1  1  1  16  12  3  -  13  -  10	SOD LAWN SY 5 5 5 30 10 55 2740 2140 480 - 2180 -	sod ard sod bey 4" topsoil 4" topsoil, 4" topsoil, 4" topsoil, 4" topsoil,	ound apron endwa bund apron endwa od after riprap bund apron endwa ond level spreade , sod through ditch , sod through ditch seed through ditch seed through ditch
34+55 RT 36+05 LT 38+75 RT 38+75 RT 42+00 LT 41+75 RT 19+75 - 31+00 31+00 - 41+25 41+25 - 44+00 0+00 - 2+00 35+50 - 38+25 LT 35+00 - 38+00 RT	Fox River Rd Sand St Fox River Rd (Pond) Old Fox River Road Salvaged Topsoil Pile ed Water for Seeded Areas PROJECT TOTAL	TOPSOIL SY  760 1160 100 70 720	SALVAGED TOPSOIL SY  5140 3940 700 450 3800 -  14030	627.0200 MUCLHING SY  2400 5600 220 450 1620 -  10290  ,900 SY	629.0205 FERTILIZER TYPE A CWT 1.5 3.5 0.1 0.3 1.0 3	SEEDING MIXTURE NO. 30  LB  45 15 5 10 30 - 105	SEEDING TEMPORARY LB	SOD WATER  MGAL  1  1  1  1  1  1  16  12  3  -  13  -  10	SOD LAWN SY 5 5 5 30 10 55 2740 2140 480 - 2180 -	sod ard sod ard sod ard sod ard sod ard sod bey 4" topsoil 4" topsoil 4" topsoil, 4" topsoil,	ound apron endward apron endward apron endward apron endward apron endward apron endward aprond level spreade, sod through ditce, sod through ditceseed through ditcesoil (Sod for pond

FILE NAME : \_\_\_\_\_\_ PLOT DATE : \_\_\_\_\_\_ PLOT BY : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT SCALE : 1:1

ALL PA	AY ITEMS ARE GROUP			EROSION	N CONTROL					
	010 UNLESS OTHERWISE		628.7570	628.1504	628.1520 SILT FENCE	628.1905 MOBILIZATION	628.1910 MOBILIZATION EMERGENCY	628.2002 EROSION MAT	628.7504 TEMPORARY DITCH CHECK	628.7555 CULVERT PIPE
			ROCK BAGS				EROSION CONTROL	CLASS 1 TYPE A	WATTLES (74 @ 20' EA)	CHECKS
	STATION - STATION	LOCATION	EA	LF	LF	EA	EA	SY	ĹF	EA
	19+75 - 31+00	Fox River Rd	-	1790	1790	1	3	2400	680	-
	31+00 - 41+25	Fox River Rd	20	1130	1130	-	-	5600	520	30
	41+25 - 44+00	Fox River Rd	20	-	-	-	-	220	100	-
	0+00 - 2+00	82nd St	-	-	-	-	-	450	80	-
		UNDISTRIBUTED	10	200	200			500	100	10
		PROJECT TOTAL	50	3120	3120	<u> </u>	3	9170	1480	40
					TRAFFIC CONT	ROL ITEMS				
				643.0420	643.0705	ROL ITEMS		643.2000		
			643.0100	TRAFFIC CONTROL	643.0705 TRAFFIC CONTRO	L 643.1000	643.1050	TRAFFIC CONTROL	643.3000	
			TRAFFIC CONTROL	TRAFFIC CONTROL BARRICADES	643.0705 . TRAFFIC CONTRO WARNING LIGHTS	L 643.1000 S TRAFFIC CONTROL SIG	N TRAFFIC CONTROL	TRAFFIC CONTROL DETOUR	TRAFFIC CONTROL	
			TRAFFIC CONTROL (ID 3751-00-70)	TRAFFIC CONTROL BARRICADES TYPE III	643.0705 . TRAFFIC CONTRO WARNING LIGHTS TYPE A	L 643.1000 S TRAFFIC CONTROL SIG FIXED MESSAGE	N TRAFFIC CONTROL SIGNS PCMS	TRAFFIC CONTROL DETOUR (ID 3751-00-70)	TRAFFIC CONTROL DETOUR SIGNS	TOTAL
	LOCATION		TRAFFIC CONTROL	TRAFFIC CONTROL BARRICADES	643.0705 . TRAFFIC CONTRO WARNING LIGHTS	L 643.1000 S TRAFFIC CONTROL SIG FIXED MESSAGE SF	N TRAFFIC CONTROL	TRAFFIC CONTROL DETOUR	TRAFFIC CONTROL	TOTAL SIGNS
	Fox River Rd.		TRAFFIC CONTROL (ID 3751-00-70)	TRAFFIC CONTROL BARRICADES TYPE III	643.0705 . TRAFFIC CONTRO WARNING LIGHTS TYPE A	L 643.1000 S TRAFFIC CONTROL SIG FIXED MESSAGE	N TRAFFIC CONTROL SIGNS PCMS DAYS	TRAFFIC CONTROL DETOUR (ID 3751-00-70)	TRAFFIC CONTROL DETOUR SIGNS DAYS -	SIGNS
	Fox River Rd. Fox River Rd. north of	f project	TRAFFIC CONTROL (ID 3751-00-70)	TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTRO WARNING LIGHTS TYPE A DAYS	L 643.1000 S TRAFFIC CONTROL SIG FIXED MESSAGE SF	N TRAFFIC CONTROL SIGNS PCMS	TRAFFIC CONTROL DETOUR (ID 3751-00-70)	TRAFFIC CONTROL DETOUR SIGNS DAYS	
	Fox River Rd. Fox River Rd. north of Fox River Rd project	f project	TRAFFIC CONTROL (ID 3751-00-70)	TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTRO WARNING LIGHTS TYPE A DAYS -	L 643.1000 S TRAFFIC CONTROL SIG FIXED MESSAGE SF	N TRAFFIC CONTROL SIGNS PCMS DAYS	TRAFFIC CONTROL DETOUR (ID 3751-00-70)	TRAFFIC CONTROL DETOUR SIGNS DAYS - 1210 -	SIGNS 13
	Fox River Rd. Fox River Rd. north of Fox River Rd projec CTH JI	f project	TRAFFIC CONTROL (ID 3751-00-70)	TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTRO WARNING LIGHTS TYPE A DAYS	L 643.1000 S TRAFFIC CONTROL SIG FIXED MESSAGE SF	N TRAFFIC CONTROL SIGNS PCMS DAYS	TRAFFIC CONTROL DETOUR (ID 3751-00-70)	TRAFFIC CONTROL DETOUR SIGNS DAYS  - 1210 - 2050	13 22
	Fox River Rd. Fox River Rd. north of Fox River Rd projec CTH JI CTH F	project tarea	TRAFFIC CONTROL (ID 3751-00-70)	TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTRO WARNING LIGHTS TYPE A DAYS	L 643.1000 S TRAFFIC CONTROL SIG FIXED MESSAGE SF	N TRAFFIC CONTROL SIGNS PCMS DAYS  14	TRAFFIC CONTROL DETOUR (ID 3751-00-70)	TRAFFIC CONTROL DETOUR SIGNS DAYS - 1210 - 2050 2420	13 22 26
	Fox River Rd. Fox River Rd. north of Fox River Rd projec CTH JI	project tarea	TRAFFIC CONTROL (ID 3751-00-70)	TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTRO WARNING LIGHTS TYPE A DAYS	L 643.1000 S TRAFFIC CONTROL SIG FIXED MESSAGE SF	N TRAFFIC CONTROL SIGNS PCMS DAYS	TRAFFIC CONTROL DETOUR (ID 3751-00-70)	TRAFFIC CONTROL DETOUR SIGNS DAYS  - 1210 - 2050	13 22
	Fox River Rd. Fox River Rd. north of Fox River Rd project CTH JI CTH F Fox River Rd south of	project tarea	TRAFFIC CONTROL (ID 3751-00-70)	TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTRO WARNING LIGHTS TYPE A DAYS	L 643.1000 S TRAFFIC CONTROL SIG FIXED MESSAGE SF	N TRAFFIC CONTROL SIGNS PCMS DAYS  14	TRAFFIC CONTROL DETOUR (ID 3751-00-70)	TRAFFIC CONTROL DETOUR SIGNS DAYS - 1210 - 2050 2420	13 22 26

	GEOTEXTILE FABRIC			PA	VEMENT MARKING		
STATION - STATION  32+75 RT  34+55 RT  36+05 LT  38+00 LT  38+75 RT  41+75 RT  42+00 LT  43+00 LT	LOCATION  Fox River Rd  Fox River Rd	645.0120 TYPE HR SY 30 21 21 162 67 37 17 10	STATION  19+75 - 42+00 43+00 - 44+50 20+25-44+50 RT 19+75 - 42+00 LT 43+00 - 44+50 LT 0+00 - 2+05 LT 0+00 - 2+05 RT 1+50	LOCATION  Fox River Rd  82nd St  82nd St  82nd St	647.0106 PAVEMENT MARKING EPOXY 4-INCH LF 4450 300 2425 2225 150 200 200 -	647.0576 PAVEMENT MARKING STOP LINE EPOXY 24-INCH  LF  15	COMMENT double yellow double yellow edgeline white (N) edgeline white (S) edgeline white (S) edgeline white (W) edgeline white (E)
PROJECT NO: NO: 3751-00-70	HWY: CTH W	COUNTY: KENOSHA	MISCELLANEO	US QUANTITIES		SHEE	ET: <b>E</b>

FILE NAME : \_\_\_\_\_\_ PLOT DATE : \_\_\_\_\_\_\_ PLOT BY : \_\_\_\_\_\_ PLOT NAME : \_\_\_\_\_\_ PLOT SCALE : 1:1

	ALL PAY ITEMS CODE 010 UNLE		F	PERMANENT SIGNING							DET	ENTION POND O	UTLET S	TRUCTURE
	NOTEDSTATION	LOCATION	TYPE	634.0416 POSTS WOOD 4X4-INCH 16-FT R EACH	637.2210 SIGNS TYPE II EFLECTIVE H SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	COMMENT		STATION	LOCATION		SPV.0105.01 DETENTION POND OUTLET STRUCTUR LS
1	21+00 RT	Fox River Rd	W013-1 36"x36"	1	-	1	-	-		-	38+50	Fox River Rd, 3	8 8' RT	1
	29+50 RT	Fox River Rd	EXIST. ADDRESS	-	-	1	-	-	#8421 - Reuse Sign Sup		00100	TOX TAVOL ITA, O	0.0 111	,
ı	30+25 RT	Fox River Rd	EXIST. ADDRESS	-	-	1	-	-	#8347 - Reuse Sign Sup			PROJECT TOT	-Δ1	1
3	31+30 RT<	Fox River Rd	W01-1L	1	-	1	2	2	on same post as signs V			FROJECT TOT	AL.	
1	31+30 RT<	Fox River Rd	W013-1 36"x36"	1	-	1	2	-	on same post as signs V					
	32+10 RT	Fox River Rd	EXIST. ADDRESS	-		1	-	-	#8231 - Reuse Sign Sup	port				
╝	33+50 RT	Fox River Rd	R2-1 24"x30"	1	5.0	-	-	-						
	33+95 RT	Fox River Rd	EXIST. ADDRESS	-		1	-	-	#8315 - Reuse Sign Sup			TREE PRO	TECTION	1
	34+40 RT	Fox River Rd	W01-1L	-	-	-	1	1	on same post as sign W					
	34+40 RT	Fox River Rd	W013-1 36"x36"	-	-	-	1	-	on same post as sign W	01-1L				SPV.0060.01
	36+00 RT	Fox River Rd	EXIST. ADDRESS	-		-	1	-						TREE
	36+20 RT	Fox River Rd	W01-1L	-	-	-	1	1	on same post as sign W					PROTECTION
	36+20 RT	Fox River Rd	W5-52L 12"x36"	-	-	-	1	1	on same post as sign W	01-1L	STATION	LOCATIO	N	EACH
	36+51 RT	Fox River Rd	W1-8	-	-	-	1	1	CHEVRON LT		19+45 RT	_		1
	36+61 RT	Fox River Rd	W1-6 48"x24"	-		-	T 4	1	ARROW LT #8230		19+60 LT			1
	36+62 RT 36+78 RT	Fox River Rd Fox River Rd	EXIST. ADDRESS W1-8	<del>-</del>	<u>-</u>	-	1	1	#8230 CHEVRON RT		19+85 LT			1
	37+00 RT	Fox River Rd	EXIST. ADDRESS	-	-	-	ı	I	#8239 - Reuse Sign Sup	nort	20+75 LT			1
	37+00 RT 37+05 RT	Fox River Rd	W1-6 48"x24"	-	-	1	-	- 1	ARROW RT	port	21+25 LT			1
	37+20 RT	Fox River Rd	W1-8	-	-	-	1	1	CHEVRON LT		24+85 RT			1
	37+40 RT	Fox River Rd	W1-8	-	-	-	1	1	CHEVRON LT		25+35 RT			1
	37+65 RT	Fox River Rd	EXIST. ADDRESS	-	-	1	-	-	#8221 - Reuse Sign Sup	port	25+35 RT 25+85 RT			1 1
	39+00 LT	Fox River Rd	R2-1 24"x30"	1	5.0	-	-	-	"0221 Rouse Oigh Sup	P-11	25+65 RT 27+45 RT			! 1
	40+10 RT<	Fox River Rd	W01-1R	-	-	_	2	2	on same post as signs V	V013-1 36"x36"	27+45 RT 27+65 RT			I 4
	40+10 RT<	Fox River Rd	W013-1 36"x36"	-	-	_	2	-	on same post as signs V					1
	42+95 RT	Fox River Rd	JCT CTH FR	1	-	1	-	_	on came poor do orgrio v	· · · · <u>-</u>	30+65 RT			1
	44+30 LT	Fox River Rd	W01-1R	· -	-	-	1	1	on same post as signs V	V013-1 36"x36"	31+05 RT			1
	44+30 LT	Fox River Rd	W013-1 36"x36"	-	-	-	1	-	on same post as signs V		41+70 LT			1
	2+00 RT	82nd St	R1-1 30"x30"	-	_	-	1	1	3		1+10 LT	82nd Stre		1
	1+60 RT	82nd St	R1-1 30"x30"	1	6.5	-	-	-			1+10 LT	82nd Stre	et	2
			PROJECT TOTALS	7	16.5	10	23	16	- -			PROJECT	TOTAL	16
H				С	ONSTRUCTION	STAKING								
				650.5000		5500	650.6000		650.8000	650.9920	650.9	0010	S D	V.0105.02
				CONSTRUCTION STAKING BASE	I CONSTRUC <sup>*</sup> CURB GU	TION STAKING TTER AND GUTTER	CONSTRUCT STAKING PIPE CULVER		CONSTRUCTION STAKING SURFACING REFERENCE	CONSTRUCTION STAKING SLOPE STAKES		TION STAKING TAL CONTROL	CONS	OTOS.02 STRUCTION STAKING NTION POND
ı	STATION	- STATION	LOCATION	LF	L	.F	EA		LF	LF	L	S		LS
	19+75 - 44+00	0 & 0+00 - 2+00	Fox River Rd & 82nd St	2625		<u> </u>	-		-	-	-	1		1
Т	25+50	- 32+25	Fox River Rd, RT	-	6	75	-		-	-		-		-
		55 RT	Fox River Rd	-		-	1		-	-		-		-
		05 LT	Fox River Rd	-		-	1		-	-	-	-		-
Т		50 RT	Fox River Rd	-		-	1		-	-	-	-		-
		00 LT	Fox River Rd	-		-	1		-	-	-	-		-
		75 RT	Fox River Rd	-		-	1		-	-	-	-		-
1		& 41+25 - 44+00	Fox River Rd	-		-	-		1400	-	-	=		-
	19+75 - 44+0	0 & 0+00-2+00	Fox River Rd & 82nd St	-		-	2		-	5250.0	-	_		-
			PROJECT TOTAL	. 2625	6	75	7		1400	5250		1		1
r	PROJECT NO: N	IO: 3751-00-70	HWY:	CTH W	CO	UNTY: KENC	SHA	М	ISCELLANEOUS QUANTI	TIES			SI	HEET:
	ILE NAME :						PLOT DATE :07-2		PLOT BY : KEVIN RISCH	PLOT NAME :		SCALE : 1:1		

FILE NAME : \_\_\_\_\_\_ PLOT DATE : \_\_\_\_\_\_ PLOT BY : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT SCALE : 1:1

# DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT NO. 3751-00-00

CTH W 2300 FEET SOUTH OF 82ND STREET TO 82ND STREET CTH W KENOSHA COUNTY



RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 3751-00-00-4.00

CONVENTIONAL ABBREVIATIONS

ET.AL.

COR.

DOC.

EASE.

H.E.

MON.

PL (100')

R/L

ISIGN

**(III)** 

VLL

toward or

K Z /

(200)

entanto.

CONVENTIONAL UTILITY SYMBOLS

ACCESS POINT/ DRIVEWAY CONNECTION

CERTIFIED SURVEY MAP

PERMANENT LIMITED EASEMENT PLE

HIGHWAY EASEMENT

LAND CONTRACT

PROPERTY LINE

FOUND IRON PIPE/PIN

FEE (HATCH VARIES)

TEMPORARY LIMITED EASEMENT

PERMANENT LIMITED EASEMENT

R/W BOUNDARY POINT

GAS

TELEPHONE.

FIBER OPTIC

SANITARY SEWER STORM SEWER

TELEPHONE POLE TELEPHONE PEDESTAL

ELECTRIC TOWER

OVERHEAD TRANSMISSION LINES CABLE TELEVISION

PARCEL NUMBER

SIGN NUMBER (OFF PREMISE)

BUTL DTNG

UTILITY INTEREST

SECTION CORNER MONUMENT

RECORDED AS REFERENCE LINE

RZW MONUMENT

ACCESS RIGHTS

AND OTHERS

CENTERLINE

DOCUMENT

EASEMENT

MONUMENT

RELEASE OF RIGHTS

TEMPORARY LIMITED EASEMENT TLE

CURVE DATA

REMAINING

STATION

VOLUME

RADIUS

TANCENT

CONVENTIONAL SYMBOLS (I" UNLESS NOTED) PROPOSED R/₩ LINE

LONG CHORD

LONG CHORD BEARING

DEGREE OF CURVE CENTRAL ANGLE OR DELTA

LENGTH OF CURVE

EXISTING H.E. LINE

PROPERTY LINE

LOT & TIE LINES

SLOPE INTERCEPTS

ACCESS RESTRICTED (BY ACQUISITION)

SECTION LINE

QUARTER LINE

STATEFATH I THE

EXISTING CENTERLINE

PARALLEL OFFSET

ACCESS RESTRICTED \*\*\*
(BY STATUTORY AUTHORITY)

ACCESS RESTRICTED

(BY PREVIOUS ACQUISITION/CONTROL)

PROPOSED REFERENCE LINE

RIGHT-OF-WAY SECTION

ROR

REM.

SEC.

STA.

LCH

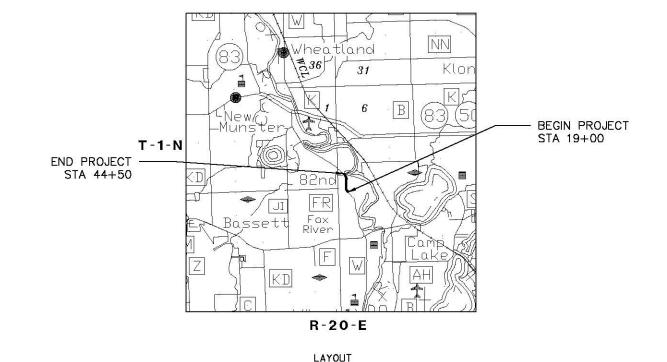
LCB

DELTA

TAN

口马





TOTAL NET LENGTH OF CENTERLINE = 0.49 ml

1 MILE 2 MILE

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN STATE PLANE CORDINATE SYSTEM, SOUTHERN ZONE, NAD27. SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION ONTROL SURVEY SUMMARY DIAGRAM, DATED AUGUST 2011. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PLAN OF ERICKSON, FOX RIVER COUNTRY ESTATES, CERTIFIED SURVEY MAP 604, CERTIFIED SURVEY MAP 12, CERTIFIED SURVEY MAP 2676.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND GRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS

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

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

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

FILE NAME : F:\PROJECTS\14-059-028 CTH W PLAT\SURVEY\CAD\TITLE.DWG

PLOT DATE : 10/3/2016 7:08 AM PLOT BY : ANTHONY GROMACKI PLOT NAME : \_\_\_\_\_PLOT SCALE : C

APPRAISAL PLAT DATE: 8/19/16

3751-00-00 4.00

——F0——

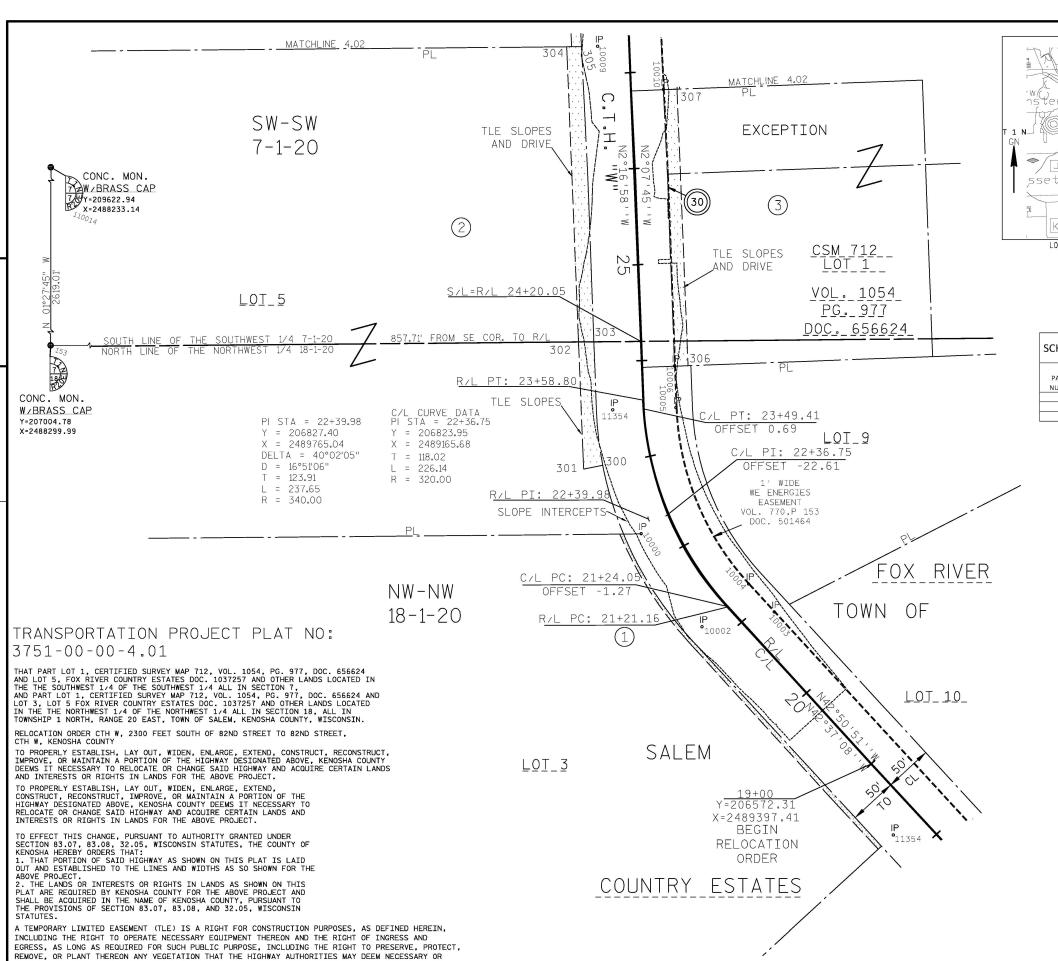
NON COMPENSABLE COMPENSABLE

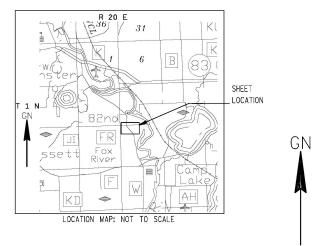
—ss——

 $\boxtimes$ 



4





DOCUMENT 1779296

RECORDED

At Kenosha County, Kenosha NI 53140

JoEllyn N. Storz, Register of Deeds

August 30, 2016 12:20 PH

925,00

Pages 2 20145

PROJECT NUMBER 3751-00-00-4.01 SHEET 1 OF 2

SCHEDULE OF LAND AND INTEREST REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL		INTEREST REQUIRED	R/W	/ REQUIRED AC	RES	TEMP
NUMBER	OWNER	REQUIRED	NEW	EXISTING	TOTAL	ACRES
1	CHRIS L. AND PATRICIA L. RAINEY	TLE				0.040
2	RAY E. AND JANICE LANE	TLE				0.160
3	PAUL L. AND SHERRY A. UDVARE	TLE				0.049

ROAD NAME	BASIS OF EXISTING R/W	WIDTH	YEAR
CTH W	FOX RIVER COUNTRY ESTATES	100'	1996
стн w	CSM 712	50'	1979

	EASEMENT TABLE						
OWNER	RECORDING INFORMATION	LOCATED IN R/W					
OWNER	RECORDING INFORMATION	PARCEL					
WE ENERGIES	1' WIDE EASEMENT	2					
ELECTRIC	VOL. 770, P 153 DOC. 501464	3					

	UTILITY INTEREST REQUIRE	D
UTILITY		INTEREST
NUMBER	OWNER(S)	REQUIRED
30	WE ENERGIES ELECTRIC	RELEASE OF RIGHTS

ANTHONY J. GHOMACKI P.L.S. NUMBER S-2090

RECOVERED MONUMENTS					
POINT	DESCRIPTION	Υ	Х		
10000	1.5" IRON PIPE	206940.98	2489128.29		
10001	0.75" IRON PIPE	206812.02	2489157.89		
10002	1.5" IRON PIPE	206715.10	2489221.33		
10003	0.75" BENT S	206730.58	2489296.55		
10004	1.5" IRON PIPE	206759.71	2489269.86		
10005	1.5" IRON PIPE	206943.38	2489194.20		
10006	1.5" IRON PIPE	206986.78	2489192.60		
10009	0.75" IRON PIPE	207319.50	2489112.68		
10010	1.5" IRON PIPE	207274.51	2489181.10		
11354	0.75" IRON PIPE	206498.28	2489420.61		

Point	Station	Offset
294	18+29.85	50.41' LT
295	18+29.87	55.00' LT
296	21+21.16	55.00' LT
297	21+23.46	51.27' LT
298	22+37.00	55.00' LT
299	22+35.77	51.55' LT
304	27+29.50	65.05' LT
305	27+29.04	49.73' LT
306	23+92.81	48.00' RT
300	23+00.93	50.57' LT
301	23+01.24	70.87' LT
302	24+22.06	65.00' LT
303	24+21.56	48.99' LT
307	26+80.85	48.00' RT

STATION OFFSET TABLE



ANTHONY J. GROMACKI, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE ORECTION OF KENOSHA COUNTY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 3751-00-00 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR OUNDARIES OF THE SURVEYED LAND.

8/29/16 DATE

HIS PLAT AND RELOCATION ORDER ARE APPROVED FOR KENOSHA COUNTY, WISCONSIN Hand SPANA, BIZS 16

W62 N215 WASHINGTON AVE.

DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS

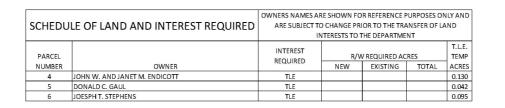
DOCUMENT 1780097

RECORDED
At Kenosha County, Kenosha WI S3140
JoEllyn M. Storz, Register of Deeds
September 09, 2016 11:24 AM
925.00
Pages 1

# 20146

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 3751-00-00-4.02

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NO. 1779296 FOR ADDITIONAL INFORMATION.



LOCATION MAP: NOT TO SCALE CONC. MON. 72W/BRASS CAP 7.54Y=209622.94 EX=2488233.14 MATCHLINE 4.03 TLE SLOPES AND DRIVE 10008 312 MATCHLINE 4.01 TOWN OF R/L PT: 31+30.53 C/L CURVE DATA CONC. MON. PI STA = 30+09.777/2W/BRASS CAP 18/4Y=207004.78 Y = 207601.74 C/L PT: 30+99.18 X = 2489132.11X=2488299.99 T = 89.64OFFSET 3.14 L = 178.80TLE SLOPES R = 1000.00SW-SW R/L PI: 30+46.11 7-1-20 ₹ PI STA = 30+46.11Y = 207638.20 C/L PI: 30+09.77 X = 2489133.06OFFSET -3.56 DELTA = 9°52'16' D = 5°50'47''TLE SLOPES T = 84.63R/L PC: 29+61.69 AND DRIVE L = 168.84 R = 980.00 309 TRANSPORTATION PROJECT PLAT NO: C/L PC: 29+20.25 1' WIDE 3751-00-00-4.02 WE ENERGIES OFFSET -1.53 EASEMENT THAT PART OF LOT 6 FOX RIVER COUNTRY ESTATES DOC. 1037257 AND OTHER LANDS LOCATED IN THE NORTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 ALL IN SECTION 7, TOWNSHIP 1 NORTH, RANGE 20 EAST, TOWN OF SALEM, KENOSHA COUNTY, WISCONSIN. VOL. 770.P 153 DOC. 501464 FOX RIVER LOI\_8 RELOCATION ORDER CTH W, 2300 FEET SOUTH OF 82ND STREET TO 82ND STREET, CTH W, KENOSHA COUNTY TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, KENOSHA COUNTY DEEMS II NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT. 46 08 TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, KENOSHA COUNTY DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND COUNTRY ESTATES INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.07, 83.08, 32.05, WISCONSIN STATUTES, THE COUNTY OF KENOSHA 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

MATCHLINE 4.01

ROAD NAME BASIS OF EXISTING R/W WIDTH YEAR FOX RIVER COUNTRY ESTATES 100' 1996

	RECOVERED M	ONUMENTS	
POINT	DESCRIPTION	Υ	X
10008	0.75" IRON PIPE	207828.84	2489128.68
10009	0.75" IRON PIPE	207319.50	2489112.68
10010	1.5" IRON PIPE	207274.51	2489181.10
10011	1" IRON PIPE	207719.79	2489172.91

STATION OFFSET TABLE

	Point	Station	Offset
	308	27+29.35	60.00' LT
	309	29+57.31	60.00' LT
	310	31+30.53	60.00' LT
	311	32+30.01	60.00' LT
	312	32+31.96	46.74' LT
	313	30+01.86	24.97' RT
	314	30+00.51	36.72' RT
	315	31+28.68	45.00' RT
GN	316	31+28.52	28.31' RT
OI V	317	31+28.73	50.00' RT
1	318	33+19.27	50.00' RT
	319	33+18.94	27.76' RT
50	100		
SCALE, FEET			



ANTHONY J. GROMACKI, 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 KENOSHA COUNTY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 3751-00-00 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

W62 N215 WASHINGTON AVE

ANTHONY J. GROMACKI P.L.S. NUMBER S-2090

HIS PLAT AND RELOCATION ORDER ARE APPROVED FOR KENOSHA COUNTY, WISCONSIN

DATE

FILE NAME :F:\PROJECTS\14-059-028 CTH W PLAT\SURVEY\CAD\2016.08.12.CTHW.PLAT.DWG APPRAISAL PLAT DATE : 8/19/16

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN,

REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS

INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT,

OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY KENOSHA COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF KENOSHA COUNTY, PURSUANT TO THE PROVISIONS OF SECTION 83.07, 83.08, AND 32.05, WISCONSIN STATUTES.

SHEET

Fox

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ssett

LOCATION

PLOT DATE: 10/3/2016 7:34 AM

305 10009

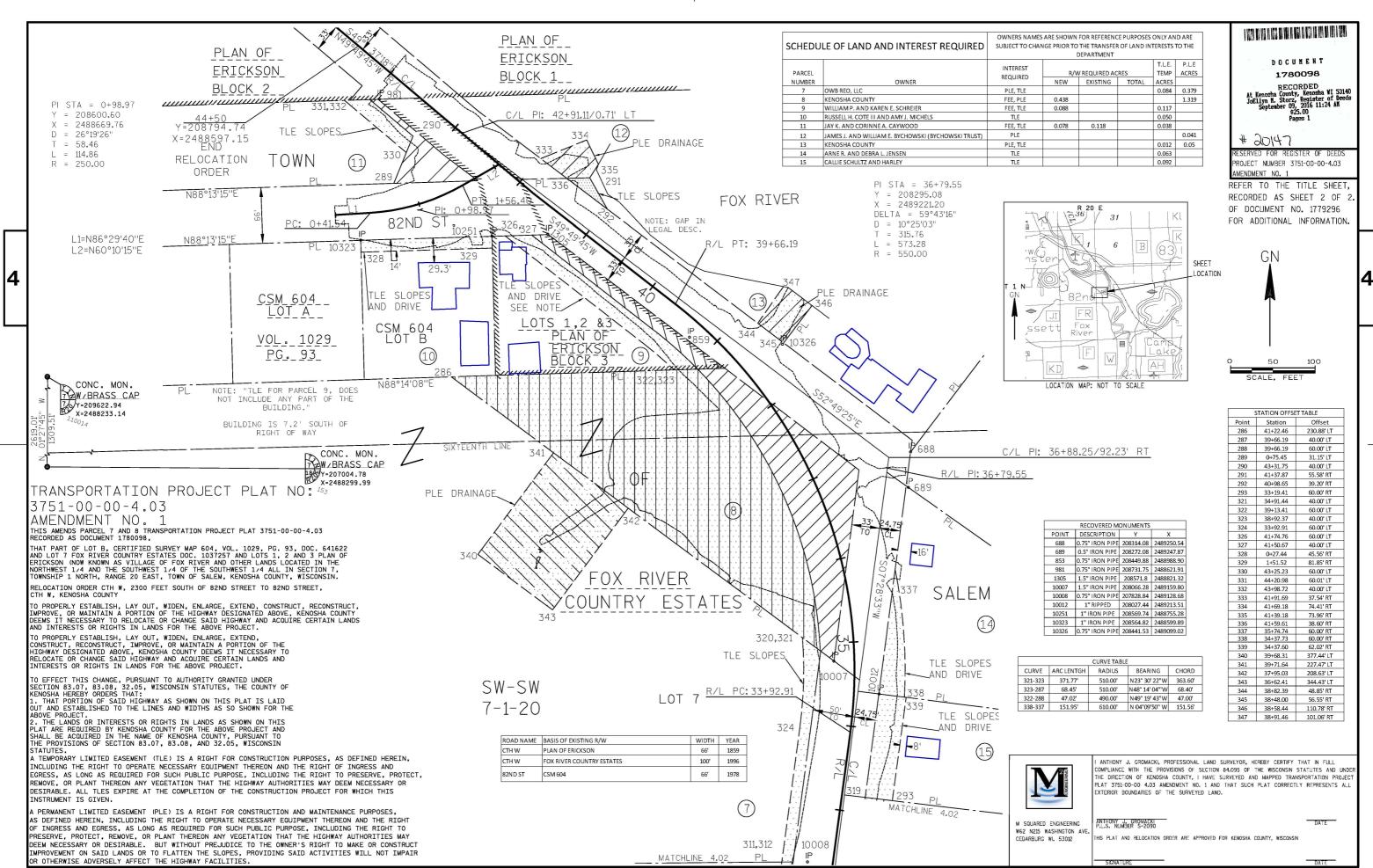
308

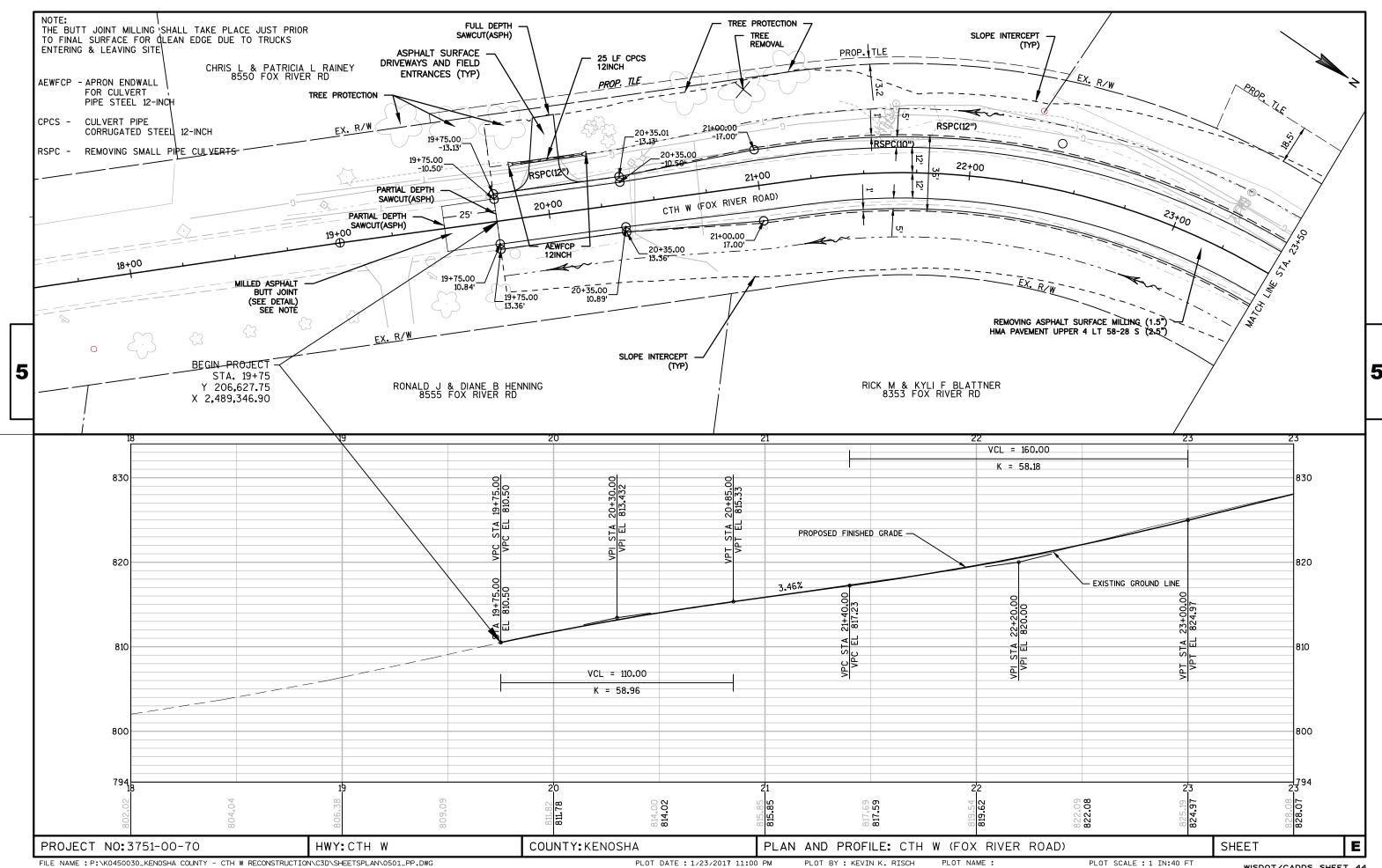
PLOT BY : ANTHONY GROMACKI

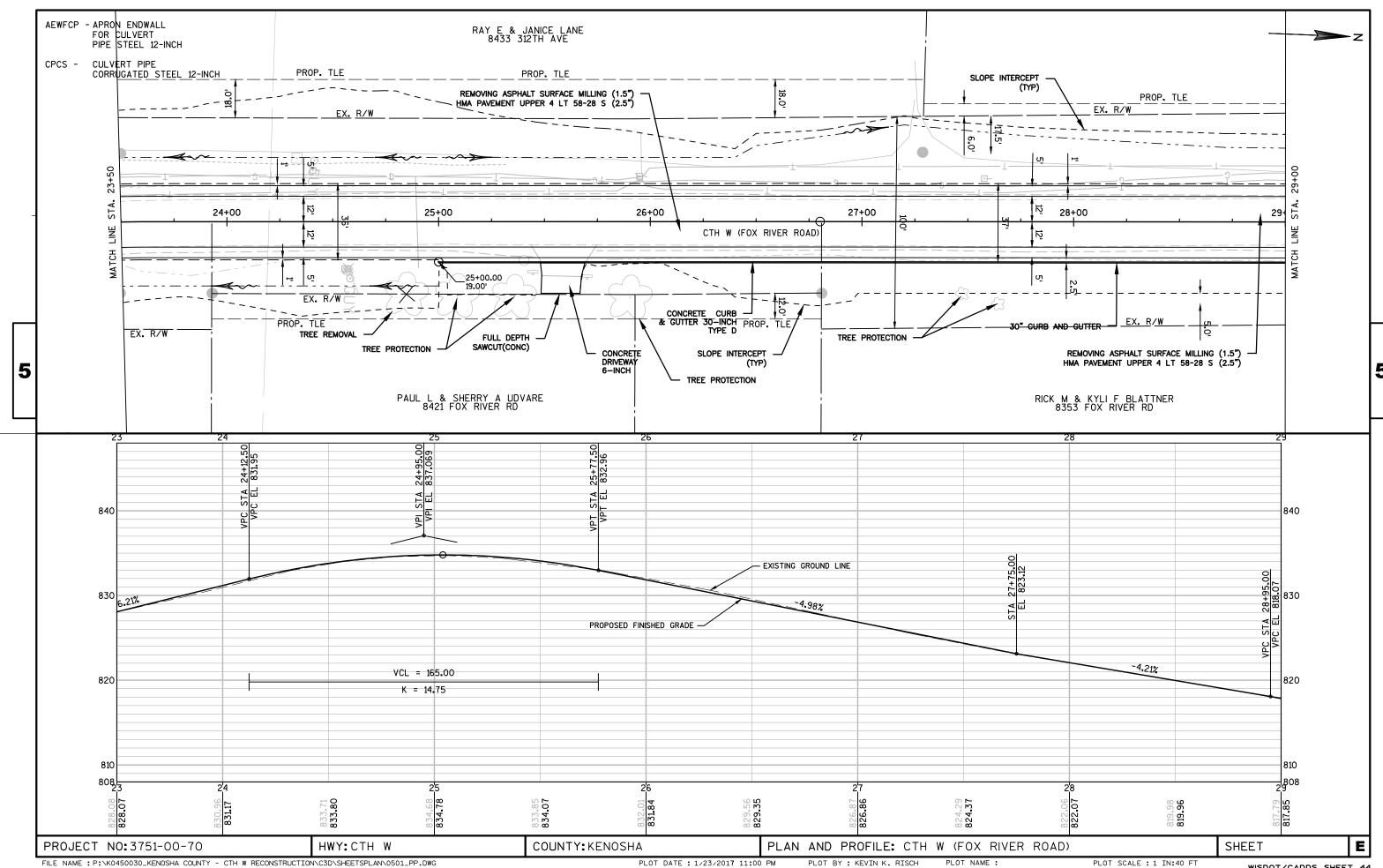
MATCHLINE 4.01

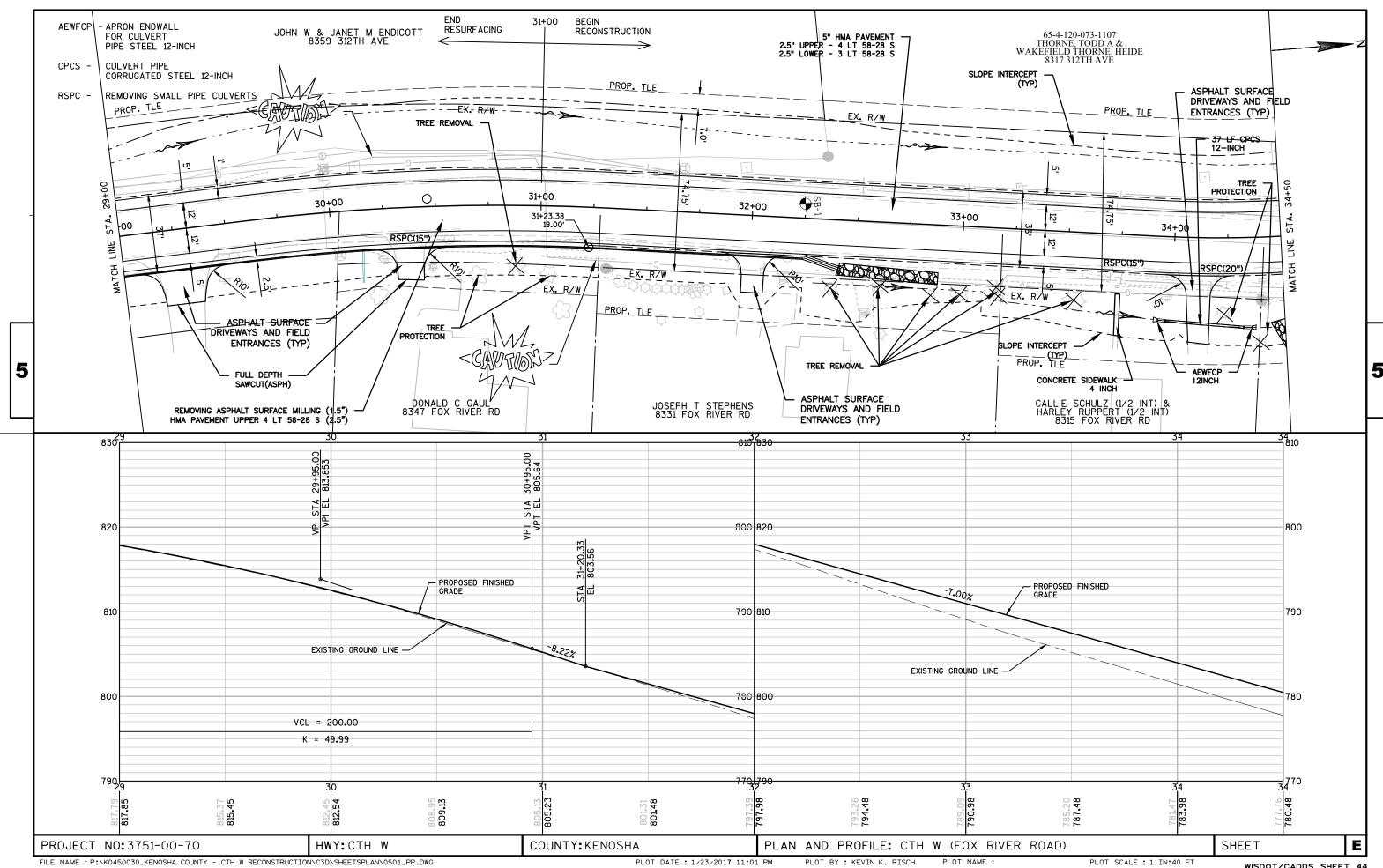
SALEM

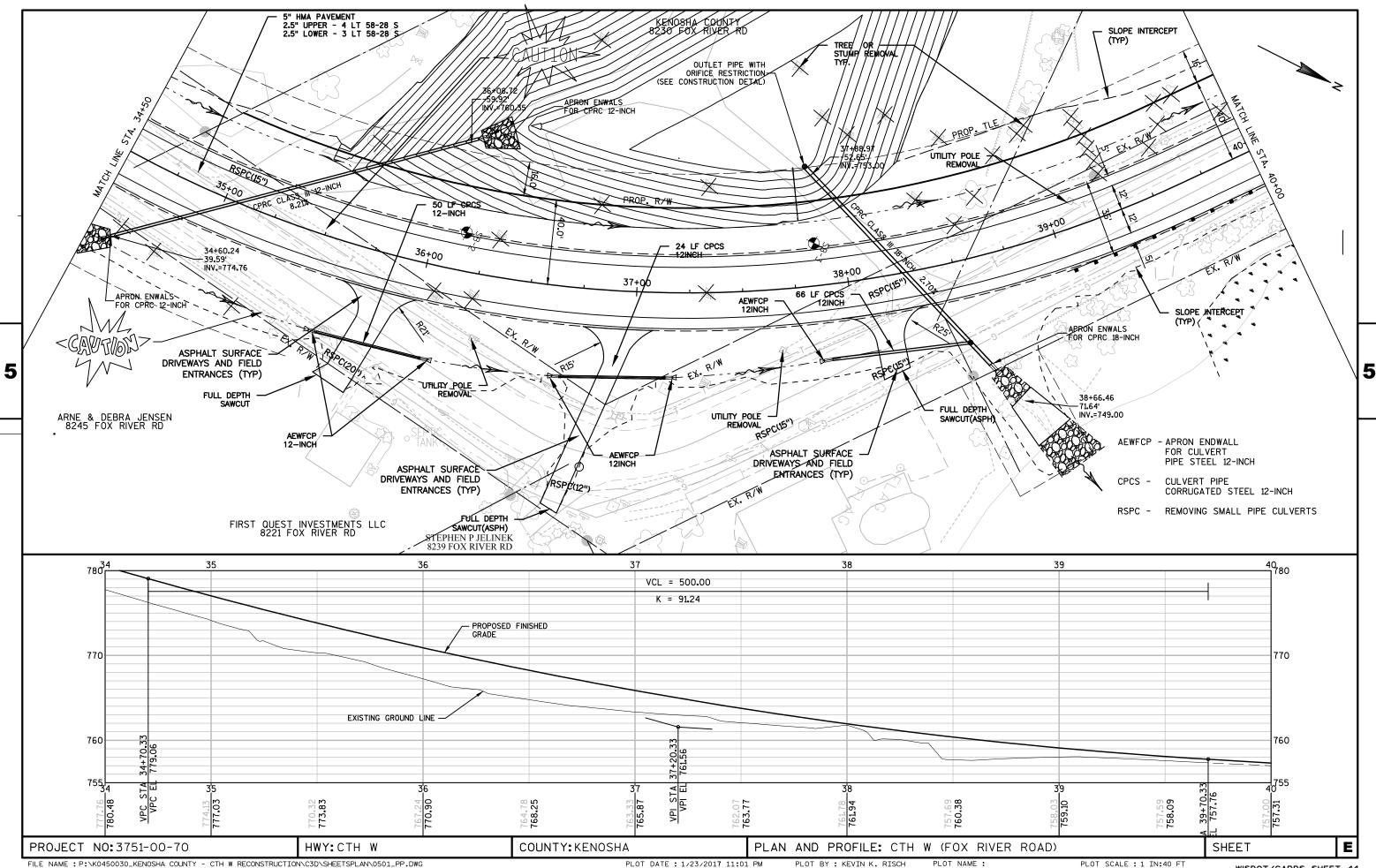
3751-00-00 4.02

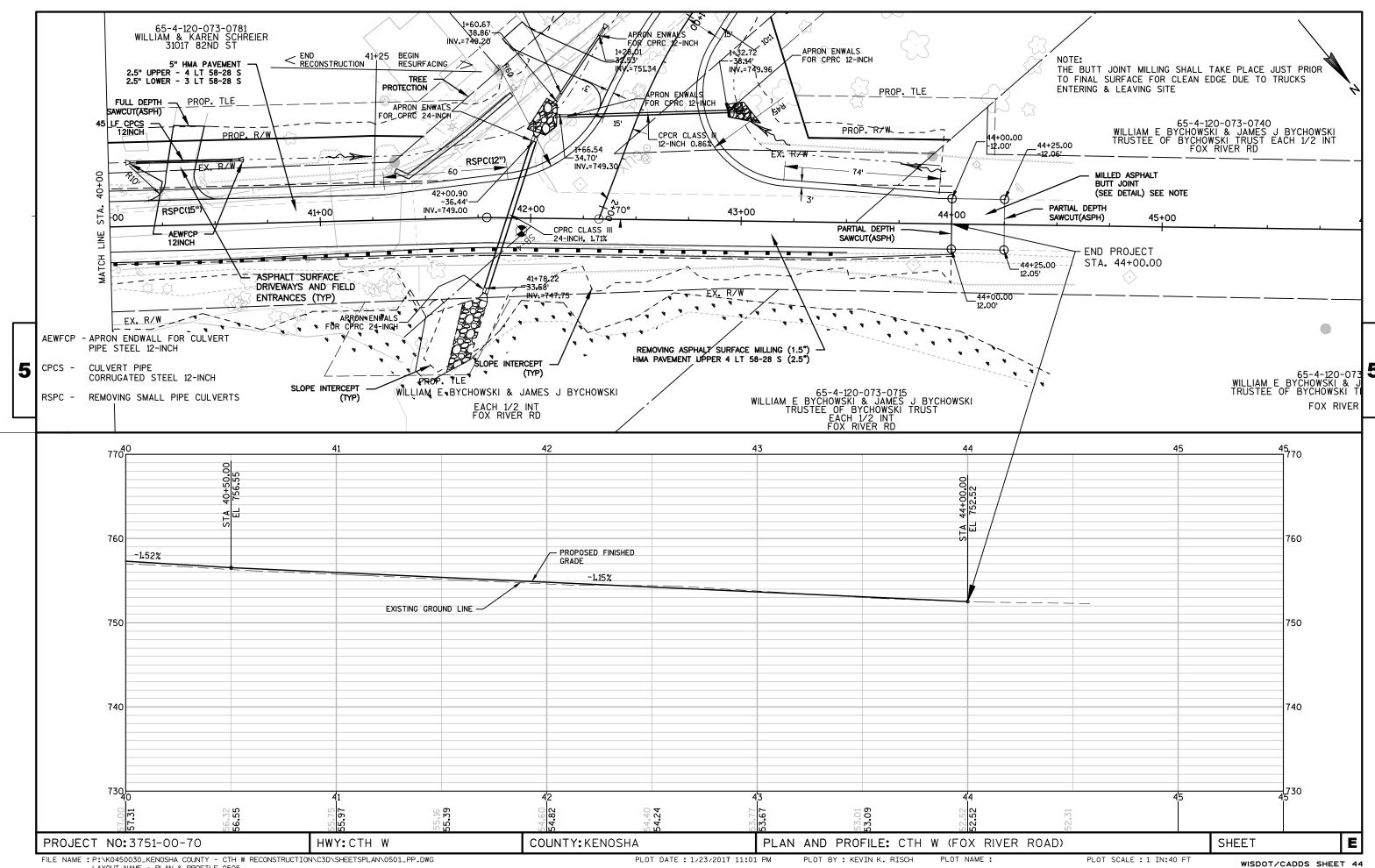


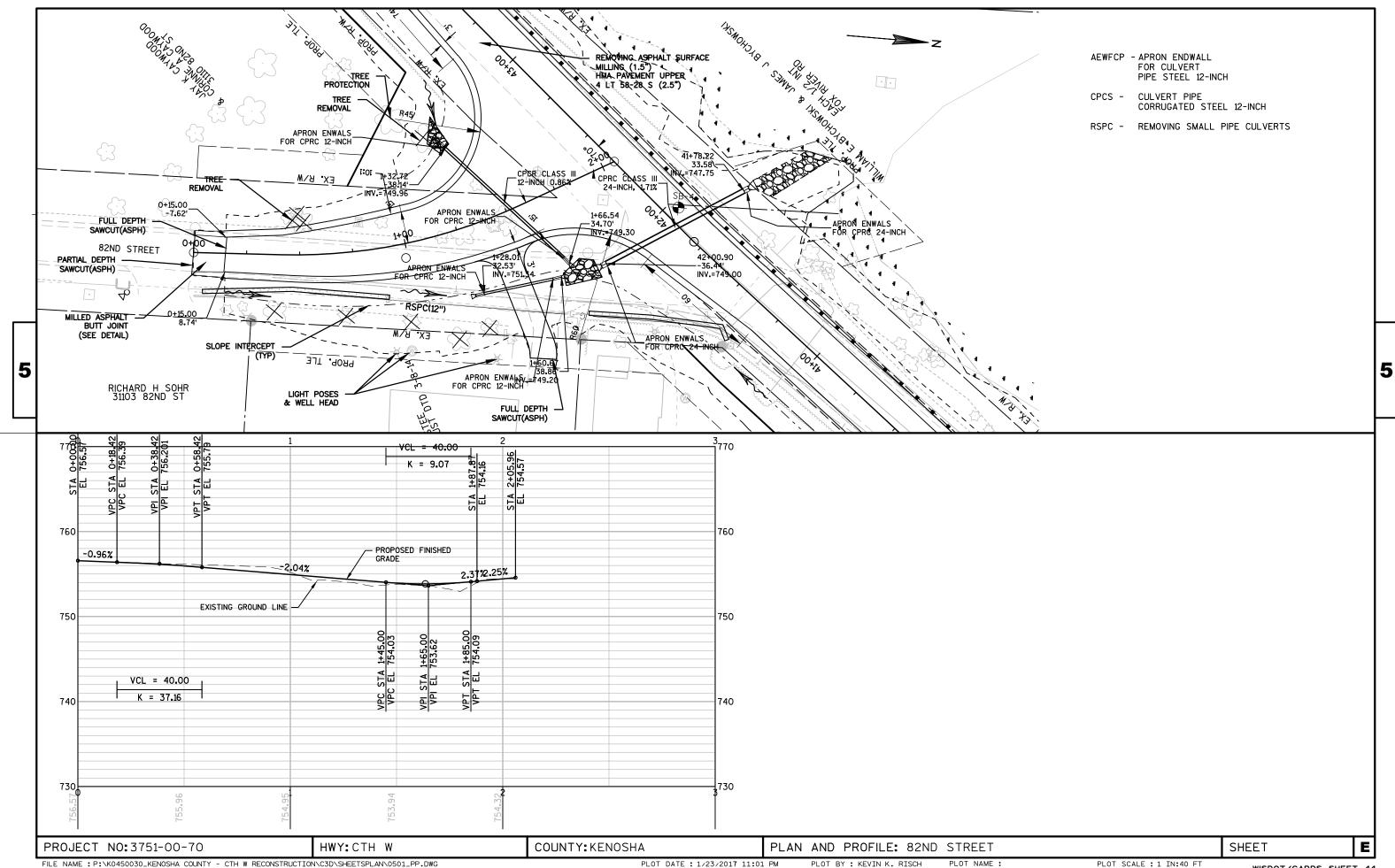












## Standard Detail Drawing List

08B09-01 08D04-05 08D16-10 08E05-02 08E08-03 08E09-06 08F01-11 09A01-13A 14A01-03 14B42-04A 14B42-04B 14B42-04C 14B44-02A 14B44-02B 14B44-02B 15A03-02A 15A03-02B 15C02-06C 15C03-03 15C05-03 15C08-16A	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES SODDED BACKSLOPE FLUME AND INTERCEPTING EMBANKMENT TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS SILT FENCE APRON ENDWALLS FOR CULVERT PIPE AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE TREE PRESERVATION DETAILS MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS) FLEXIBLE MARKER POST FOR CULVERT END FLEXIBLE MARKER POST FOR CULVERT END FLEXIBLE MARKER POST FOR CULVERT END DETOUR SIGNING FOR MAINLINE CLOSURES BARRICADES AND SIGNS FOR SIDEROAD CLOSURES TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS PAVEMENT MARKING (MAINLINE)
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D38-01A 15D38-01B	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS ATTACHMENT OF SIGNS TO POSTS

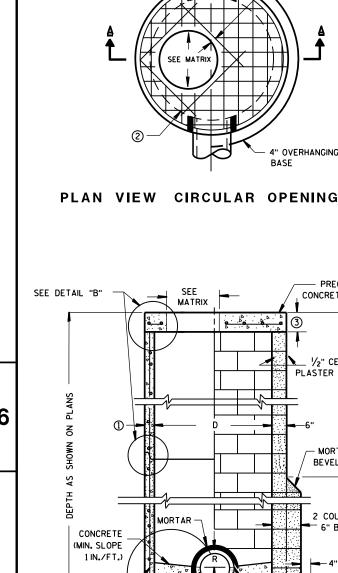






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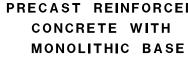
SEE

MORTAR -

MATRIX

• 4° • •

PRECAST REINFORCED — CONCRETE FLAT SLAB TOP



②-

CONTRACTOR TO PROVIDE DRAWING(S)

STAMPED BY A PROFESSIONAL ENGINEER

SEE DETAIL "A"

(I)·

PRECAST REINFORCED CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED **CONCRETE BASE 2** 

2" (TYP)

" OVERHANGING

- PRECAST REINFORCED

CONCRETE FLAT SLAB TOP

1/2" CEMENT

- MORTAR

BEVEL 45°

2 COURSES 으는

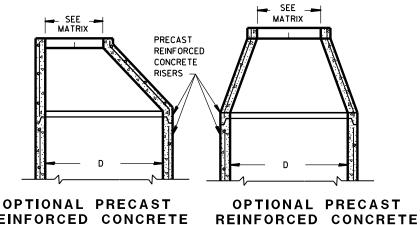
12'. EPT

6" BLOCK

4" MIN

SPLIT PIPE OR FORM CONCRETE TO FIT

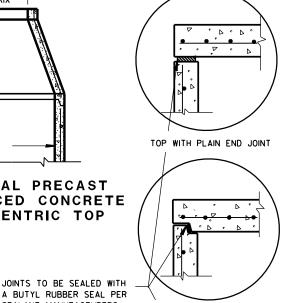
PLASTER COAT



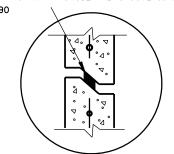
REINFORCED CONCRETE **ECCENTRIC TOP** CONCENTRIC TOP

**PRECAST** 

WALL

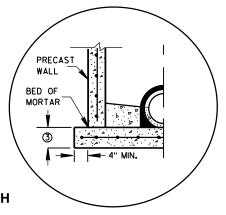


A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS TOP WITH TONGUE AND GROOVE JOINT RECOMMENDATIONS CONFORMING TO ASTM C990



RISER WITH TONGUE AND GROOVE JOINT

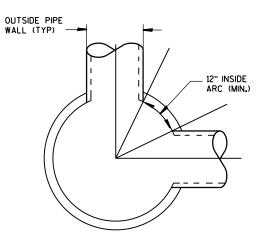
**DETAIL** "B"



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

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

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

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

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

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

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

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

- MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT. 5 INCHES FOR 4-FT. 6 INCHES FOR 5-FT. 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.
- (2) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- (3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS

#### MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	С	ALL J'S	К	L	M
OPENING SIZE (FT)					
2 DIA.	х	х		х	
3 DIA.			×		Х

#### PIPE MATRIX

MANHOLE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES					
SIZE	180° SEPARATION (IN) 90° SEPARATION					
3-FT	15	12				
4-FT	24	18				
5-FT	36	24				
6-FT	42	36				
7-FT	48	36				
8-FT	60	42				

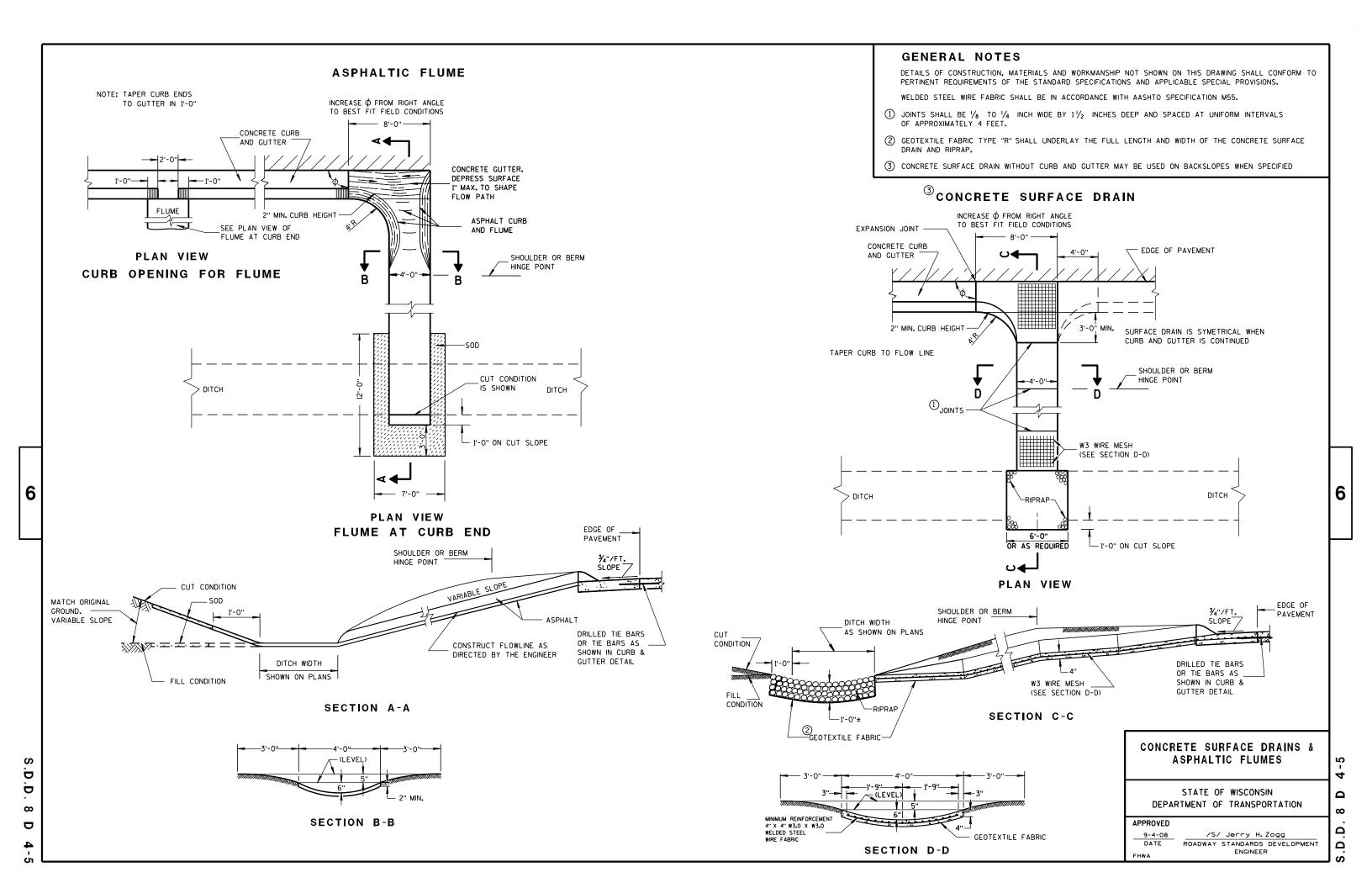
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

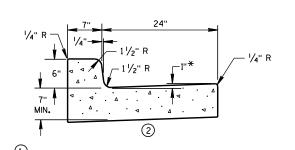
> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

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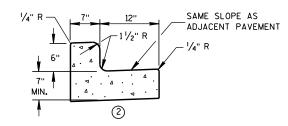
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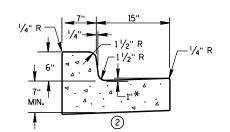


CONCRETE CURB & GUTTER 31"

1/4" R CONCRETE GUTTER 24"



**CONCRETE CURB & GUTTER 19"** 

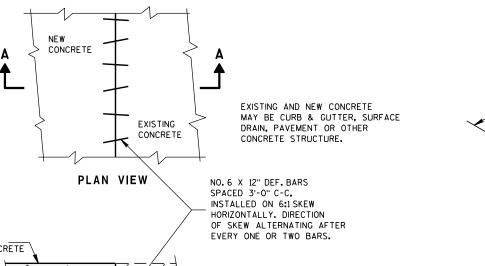


\* TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.

POINT WHERE SLOPE CHANGES SAME PAY LIMITS AS CURB & GUTTER PAVEMENT SLOPE PAVEMENT THICKNESS

PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER

# OCONCRETE CURB & GUTTER 22"



THE HOLE FOR THE BAR SHALL BE DRILLED TO A DEPTH OF 7"

A TIGHT DRIVEN FIT.

EXISTING

AND TO A DIAMETER TO PROVIDE

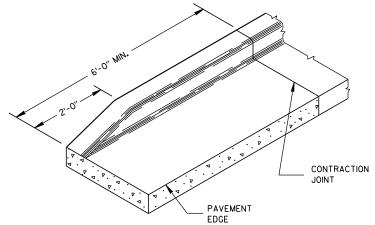
SECTION A-A **PAVEMENT TIES** 

P P

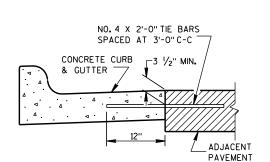
1/2 THICKNESS

OF NEW

CONCRETE



**END SECTION CURB & GUTTER** 



**GENERAL NOTES** 

505.2.6.2 OF THE STANDARD SPECIFICATIONS.

31", 22", 19" AND CONCRETE GUTTER 24".

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION

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

WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUIRED FOR CURB AND GUTTER

THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE

SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MIMIMUM GUTTER THICKNESS IS

(3) WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLAN.

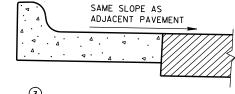
SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

UNCLASSIFIED EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURB.

JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

TYPICAL TIE BAR LOCATION



HIGH SIDE SECTION

(TYPICAL FOR ALL CURB & GUTTER)

CONCRETE GUTTER, CURB AND **GUTTER AND PAVEMENT TIES** 

DEPARTMENT OF TRANSPORTATION

APPROVED

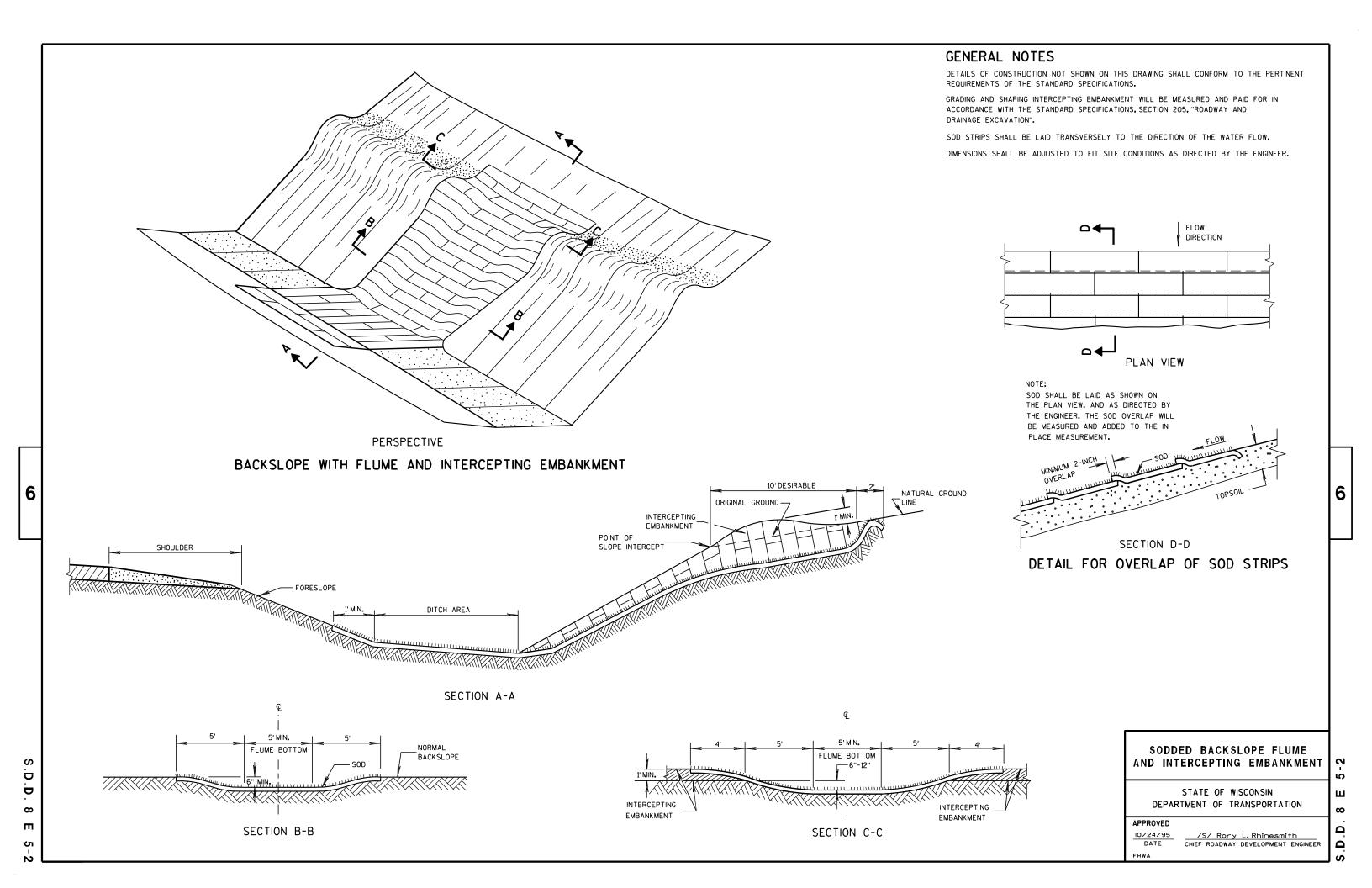
/S/ Jerry Zogg 11/2/2010 ROADWAY STANDARDS DEVELOPMENT ENGINEER

(For Optional Use in Milwaukee Co. Only) STATE OF WISCONSIN

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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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METAL APRON ENDWALLS											
PIPE	MIN. 1	THICK.			DIMENS	SIONS (I	nches)			APPROX.	
DIA.	(Incl		A	A   B   H   L   L1   L2   W				SLOPE	BODY		
(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	2½to 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	<b>.</b> 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 <sup>1</sup> / <sub>4</sub> +o 1	3 Pc.
54	.109	.105	18	30	12	84	30	851/2	102	2 <sup>1</sup> / <sub>4</sub> †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.

	REINFORCED CONCRETE APRON ENDWALLS								
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 <sup>1</sup> / <sub>4</sub> - 100	90	51/2	2% to 1	
60	6	* * * 30-35	60	39	99	96	5	2 to 1	
66	61/2	<del>* * *</del>   24-30	<del>*</del> <del>* *</del>   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

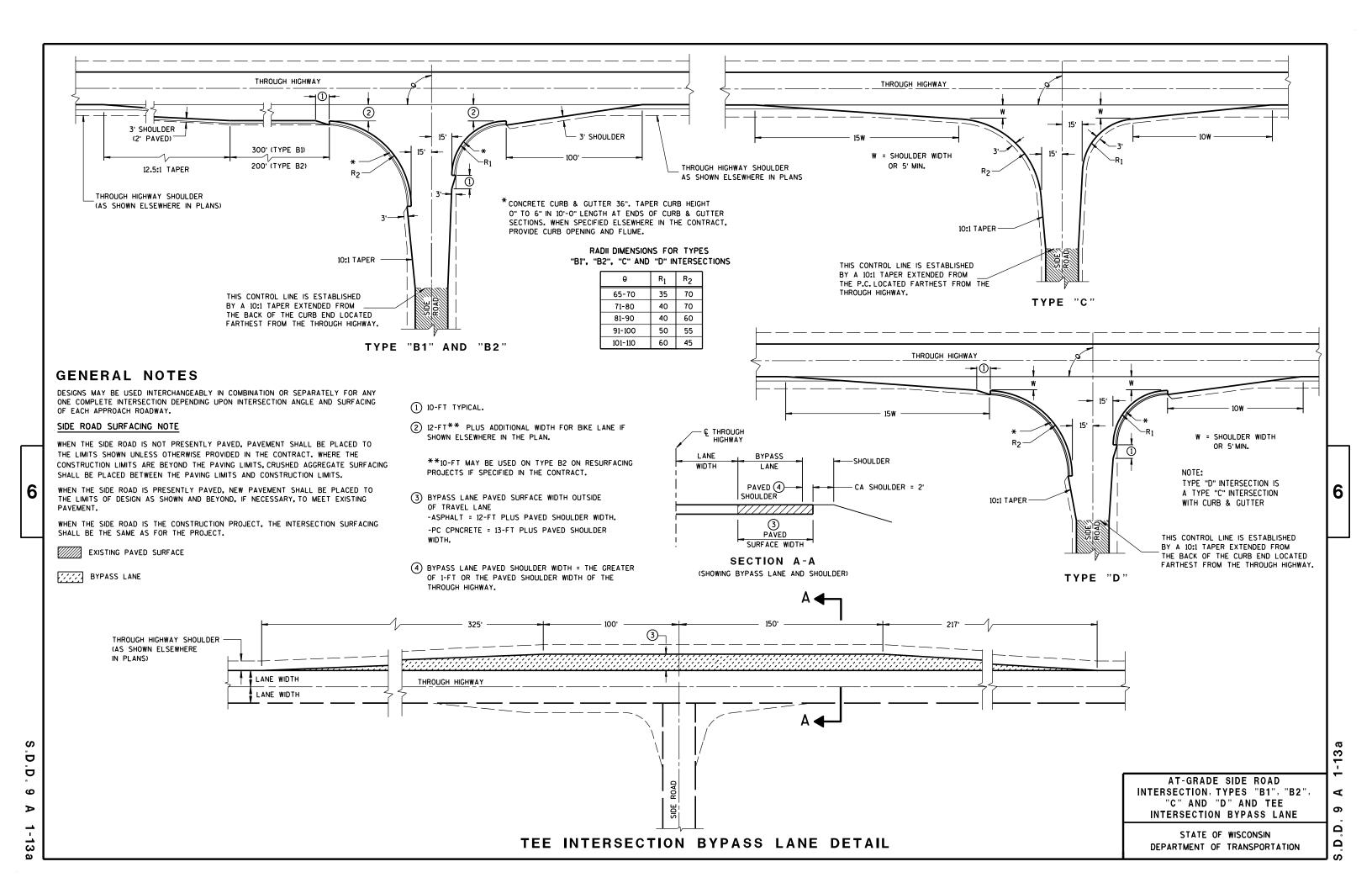
LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES.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

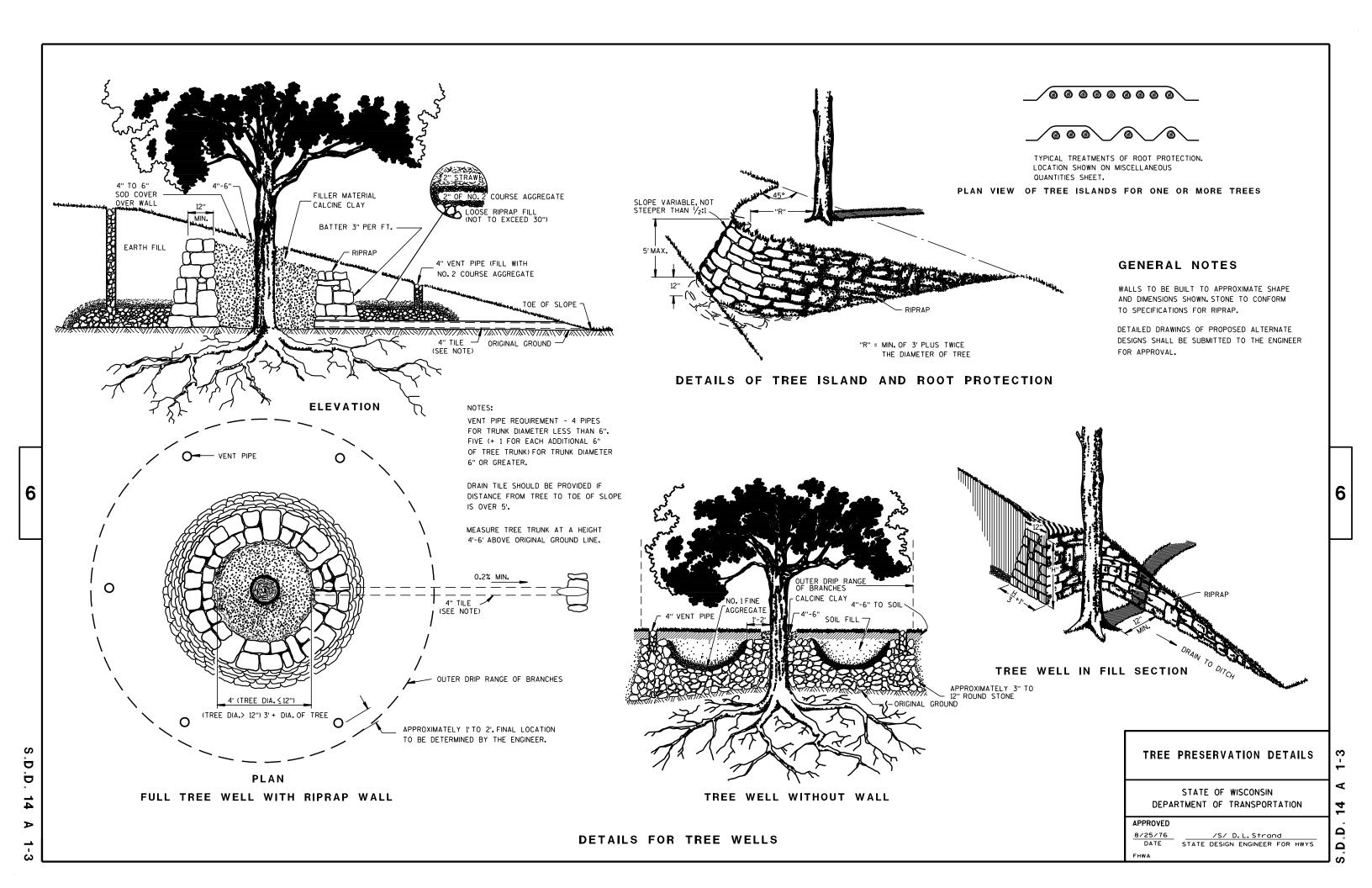
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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

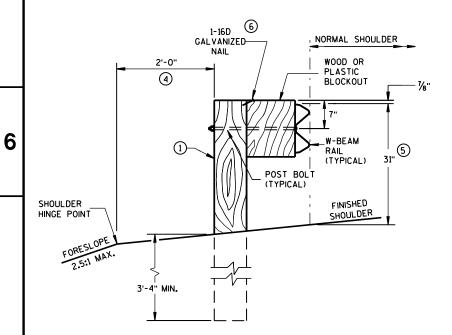


11/30/94 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER



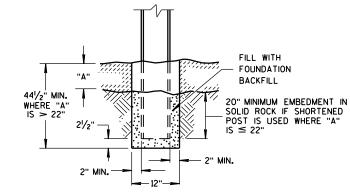


- 2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 21/2 INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 273/4" 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.



**END VIEW** 

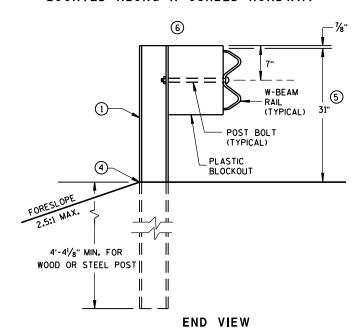
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



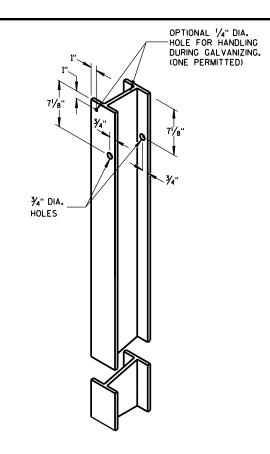
**END VIEW** SETTING STEEL OR WOOD POST IN ROCK 3



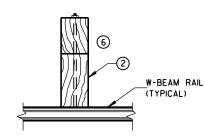
**END VIEW** LOCATED ALONG A CURBED ROADWAY



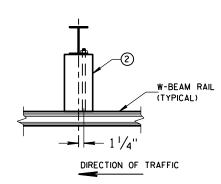
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



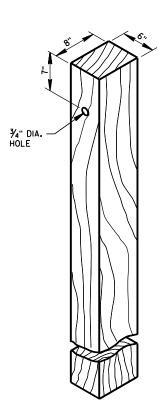
STEEL POST & HOLE PUNCHING DETAIL (w6X9)<sup>①</sup>



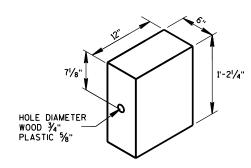
**PLAN VIEW** WOOD POST, **BLOCKOUT & BEAM** 



**PLAN VIEW** STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

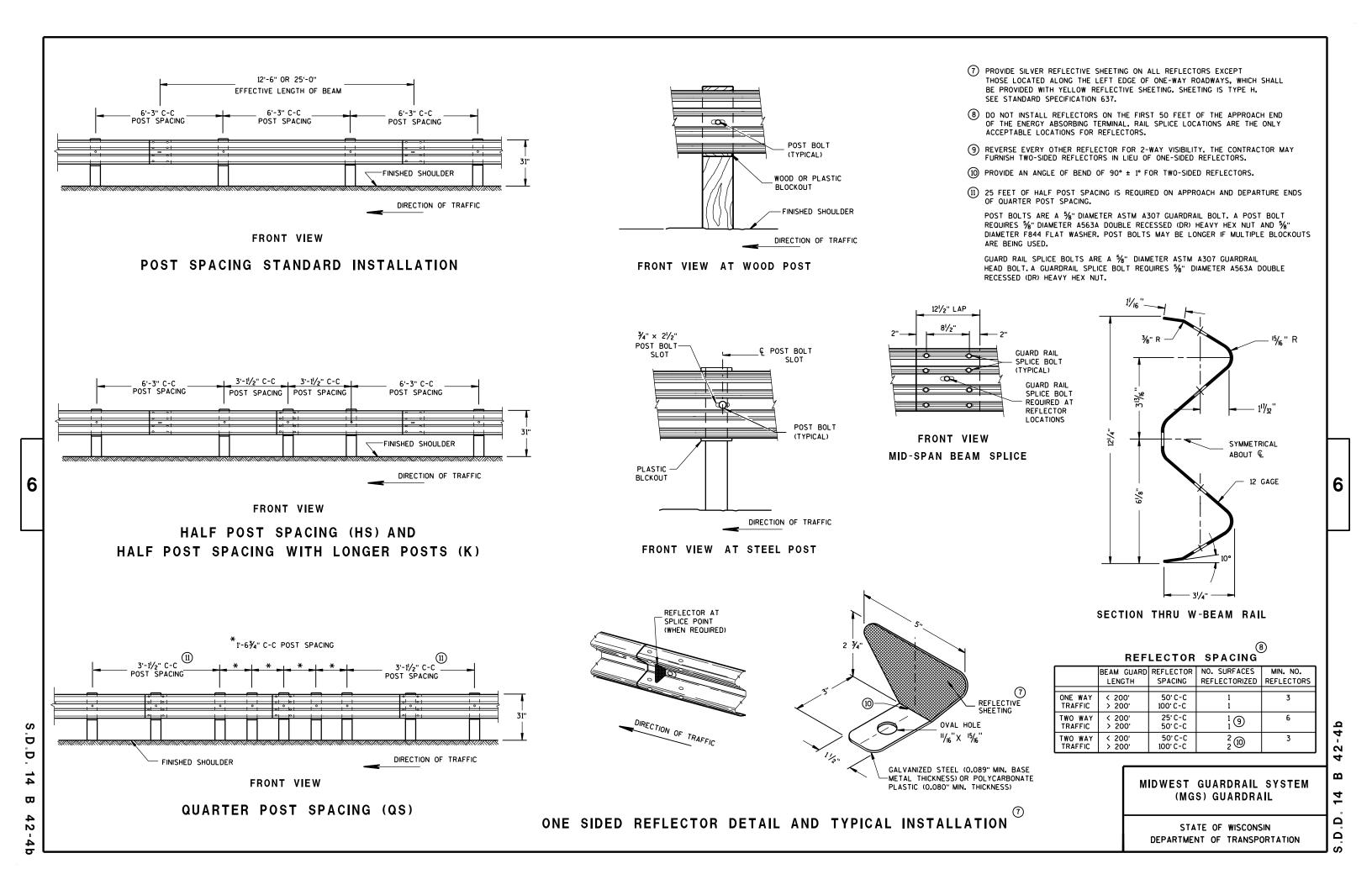
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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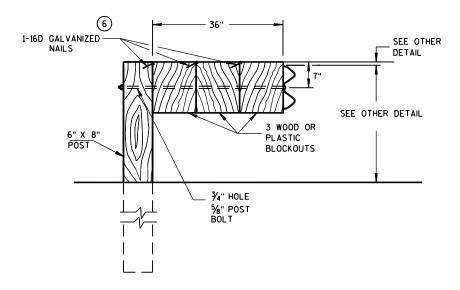
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#### DETAIL FOR 16" BLOCKOUT DEPTH

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.

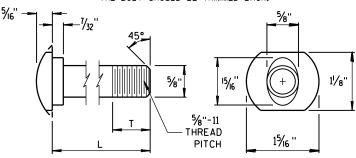


#### DETAIL FOR 36" BLOCKOUT DEPTH

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.

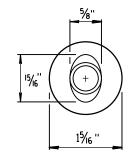
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16". 2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

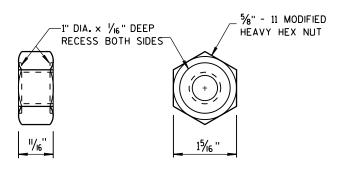


POST BOLT TABLE

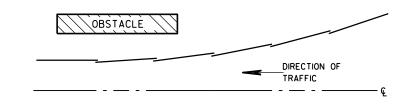
11/8"
1/8
13/4"
4"
4½ <sub>6</sub> "
4"
41/16"
4"



ALTERNATE BOLT HEAD

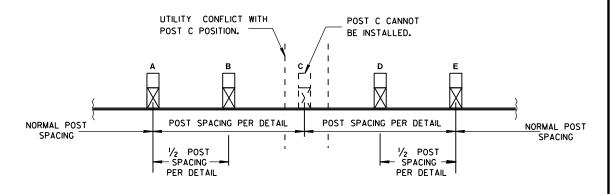


POST BOLT, SPLICE BOLT AND RECESS NUT



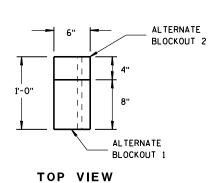
#### **PLAN VIEW**

#### **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

APPROVED

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

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# SECTION A-A SECTION B-B

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PLAN VIEW

#### BILL OF MATERIALS

PART NO.	DESCRIPTION  MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
1	WOOD BREAKAWAY POST
2	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1AND 2
3	WOOD CRT
4	WOOD BLOCKOUT
(5)	PIPE SLEEVE
6	BEARING PLATE
7	BCT CABLE ASSEMBLY
8	ANCHOR CABLE BOX
9	GROUND STRUT
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
12	END SECTION EAT
(3)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

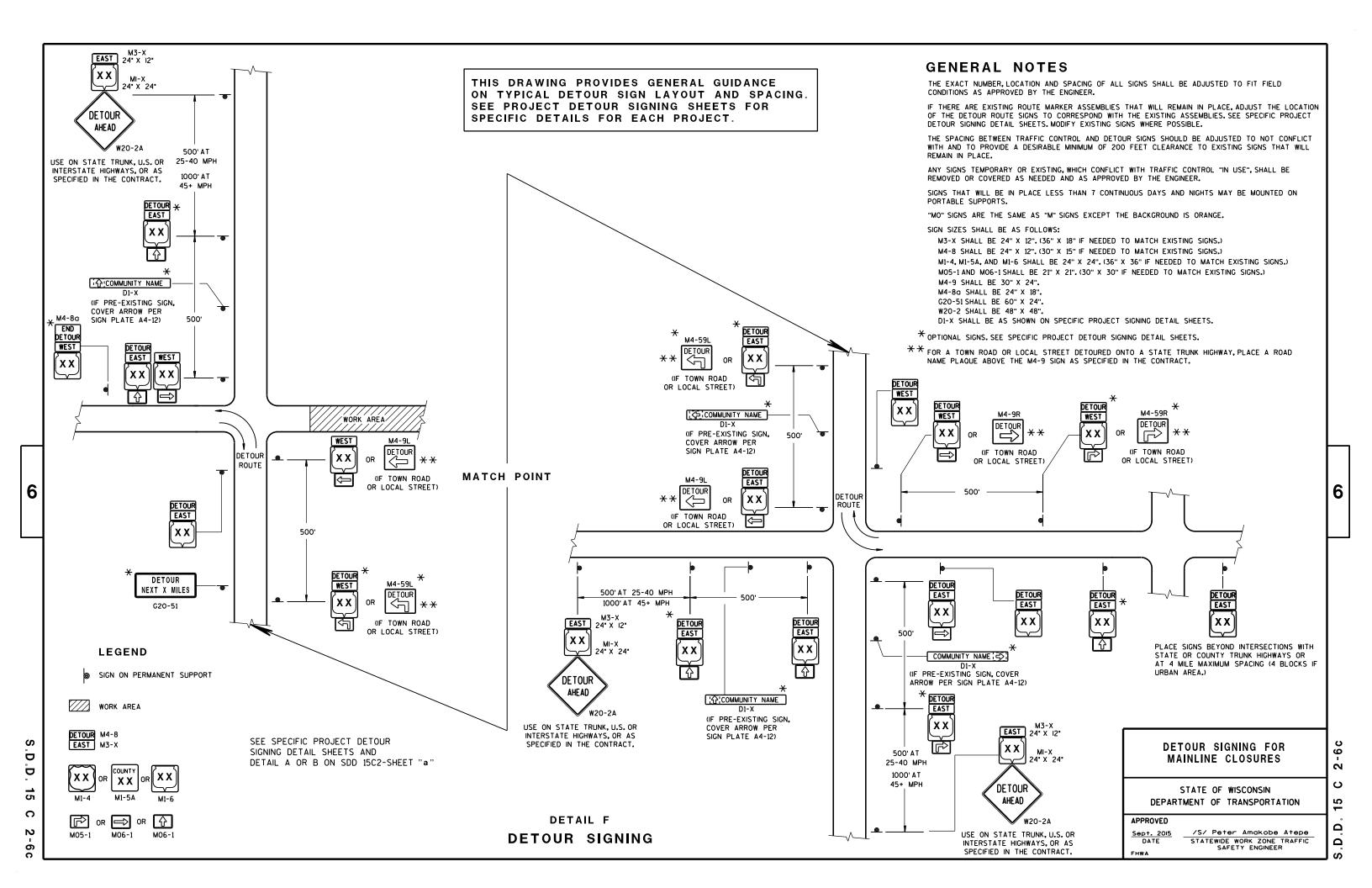
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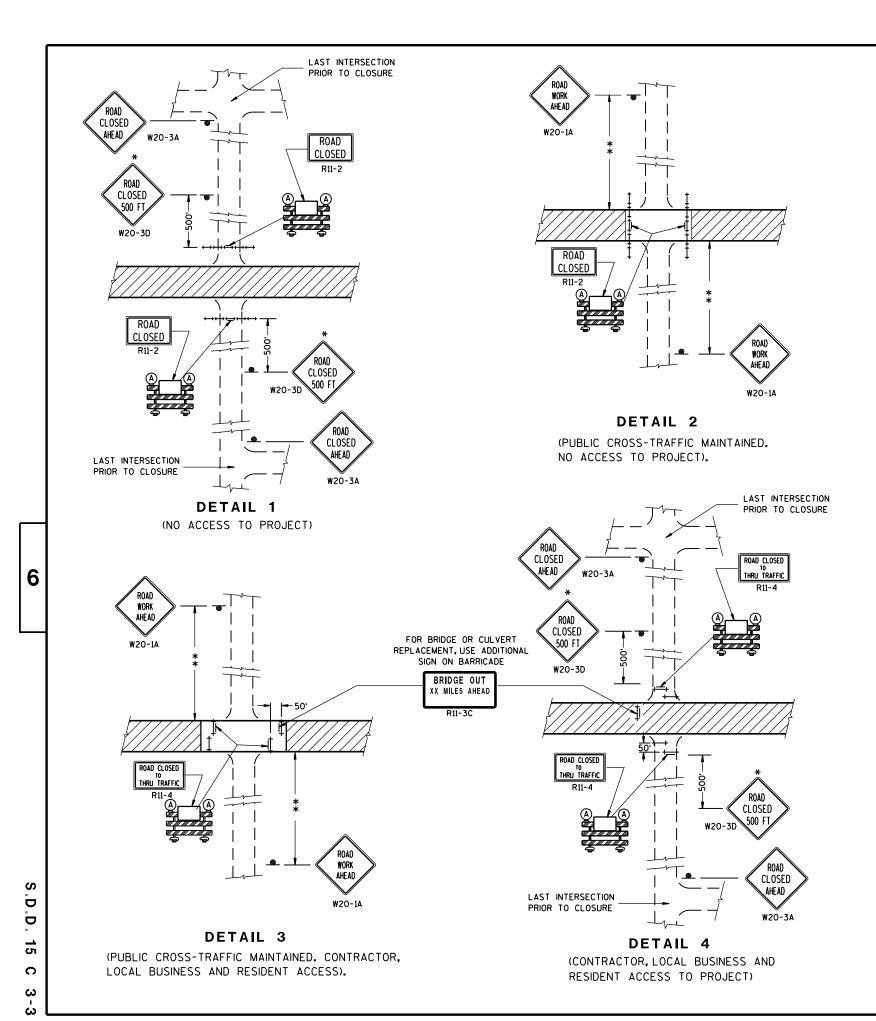
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THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

\*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

\*\*500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

#### **LEGEND**

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH
ATTACHED SIGN

(A) TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

#### BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015

DATE
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

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

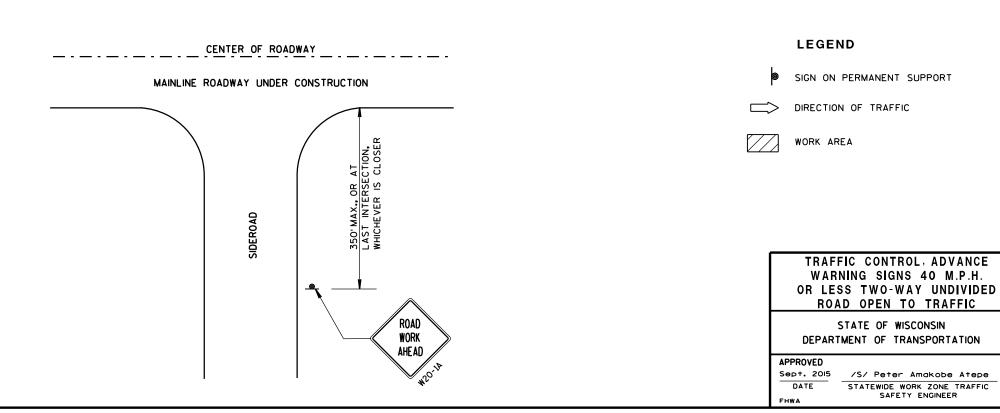
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

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

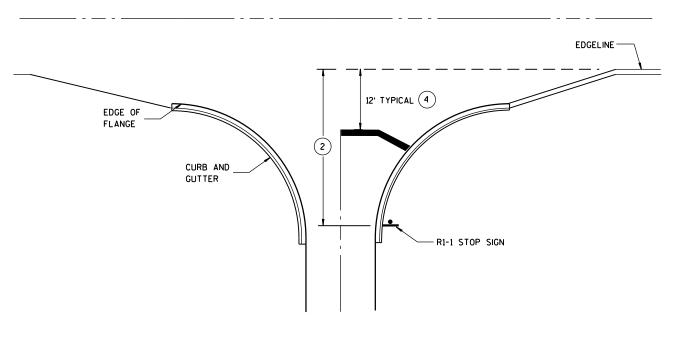


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8" CHANNELIZATION WHITE

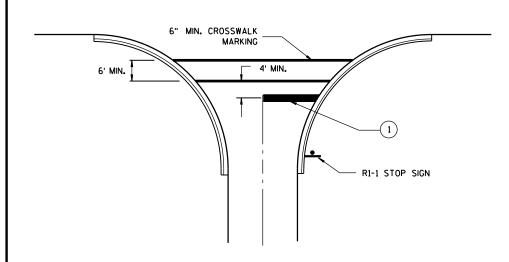
FLANGELINE (EXTENSION)

4" WHITE EDGELINE

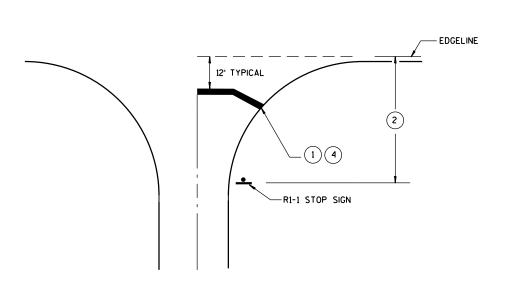
RI-1 STOP SIGN

TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

#### GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- (2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- 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	
4-18-2016	/S/ Matthew R. Rauch
DATE	STATE SIGNING AND MARKING ENGINEER

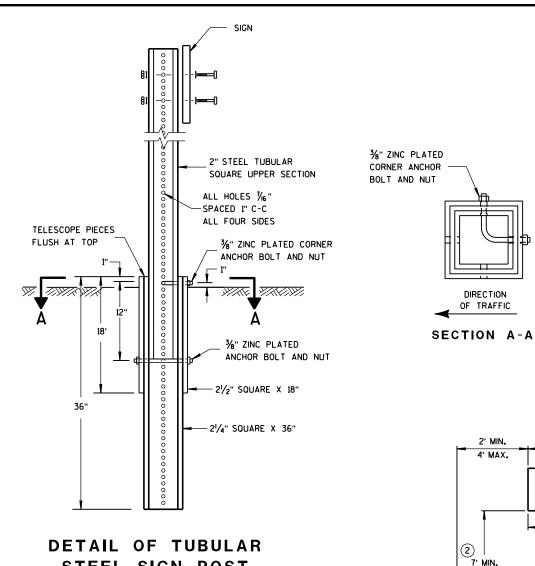
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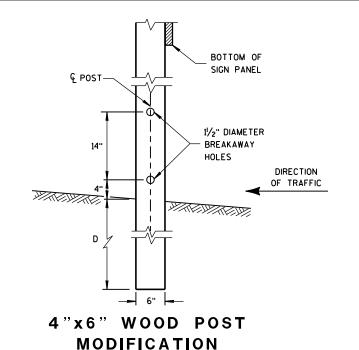
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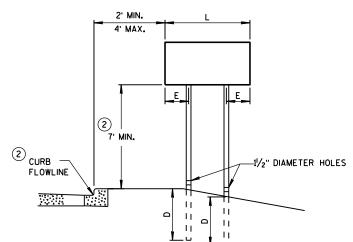
- (1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.
- (2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN
  THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED
  FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING,
  VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
- (3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.

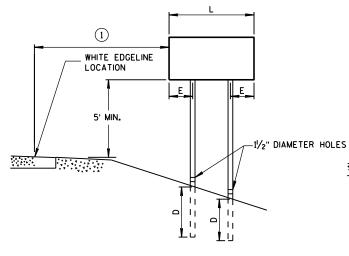
STEEL SIGN POST

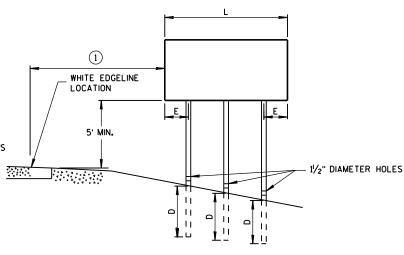
#### TUBULAR STEEL POSTS

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

RURAL AREA

#### POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH** 

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

4" X 6" WOOD POST

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

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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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 - 1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

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

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

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

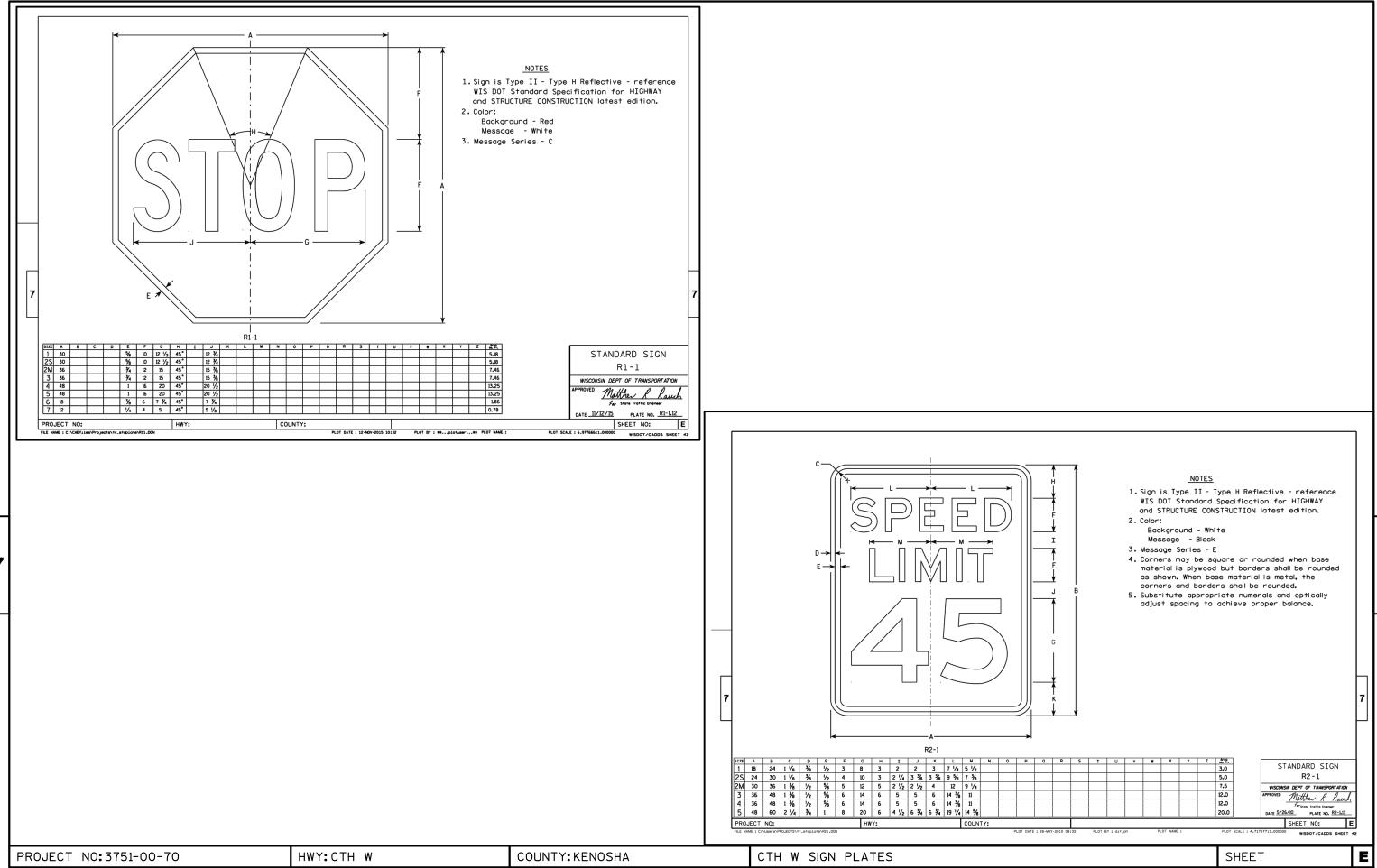
APPROVED Feb. 2015

FHWA

PATE DATE TRAFFIC ENGINEER OF DESIGN

38-1b

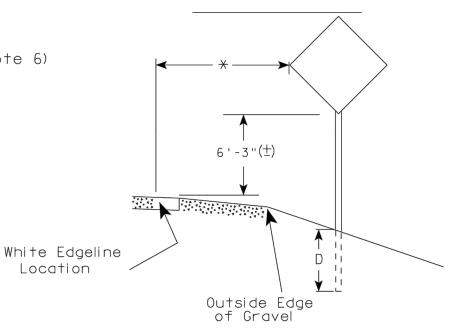
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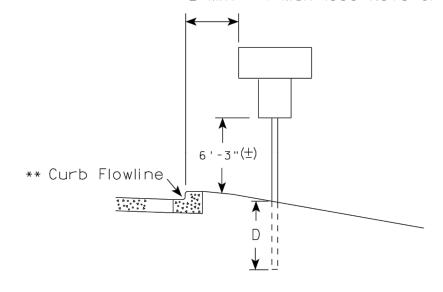
2' Min - 4' Max (See Note 6) 7'-3"(士) \*\* Curb Flowline. 

RURAL AREA (See Note 2)



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

Location



5'-3"(士) White Edgeline DII 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" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is  $7'-3''(\pm)$  or  $6'-3''(\pm)$ per urban or rural detail respectively.
- 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 (+) 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'' ( $\pm$ ). 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'' ( $\pm$ ).

#### 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 & Raugh for State Traffic Engineer

DATE 7/23/15 PLATE NO. \_A4-3.20

PROJECT NO: 3751-00-70

HWY: CTH W

COUNTY: KENOSHA

CTH W SIGN PLATES

SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr\_stdplate\A43.DGN

PLOT DATE: 23-JUL-2015 15:21

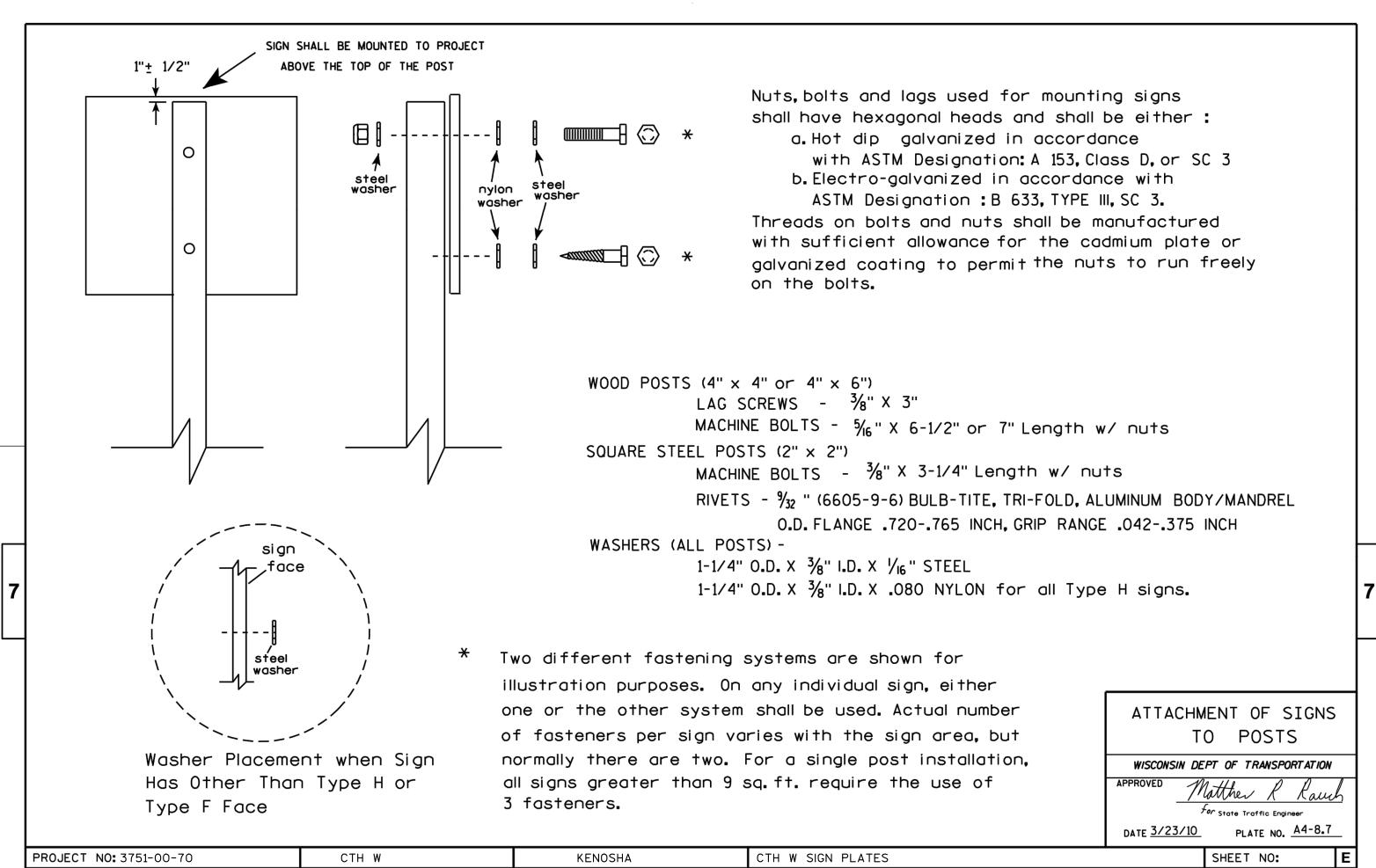
PLOT BY : msc\_i9h

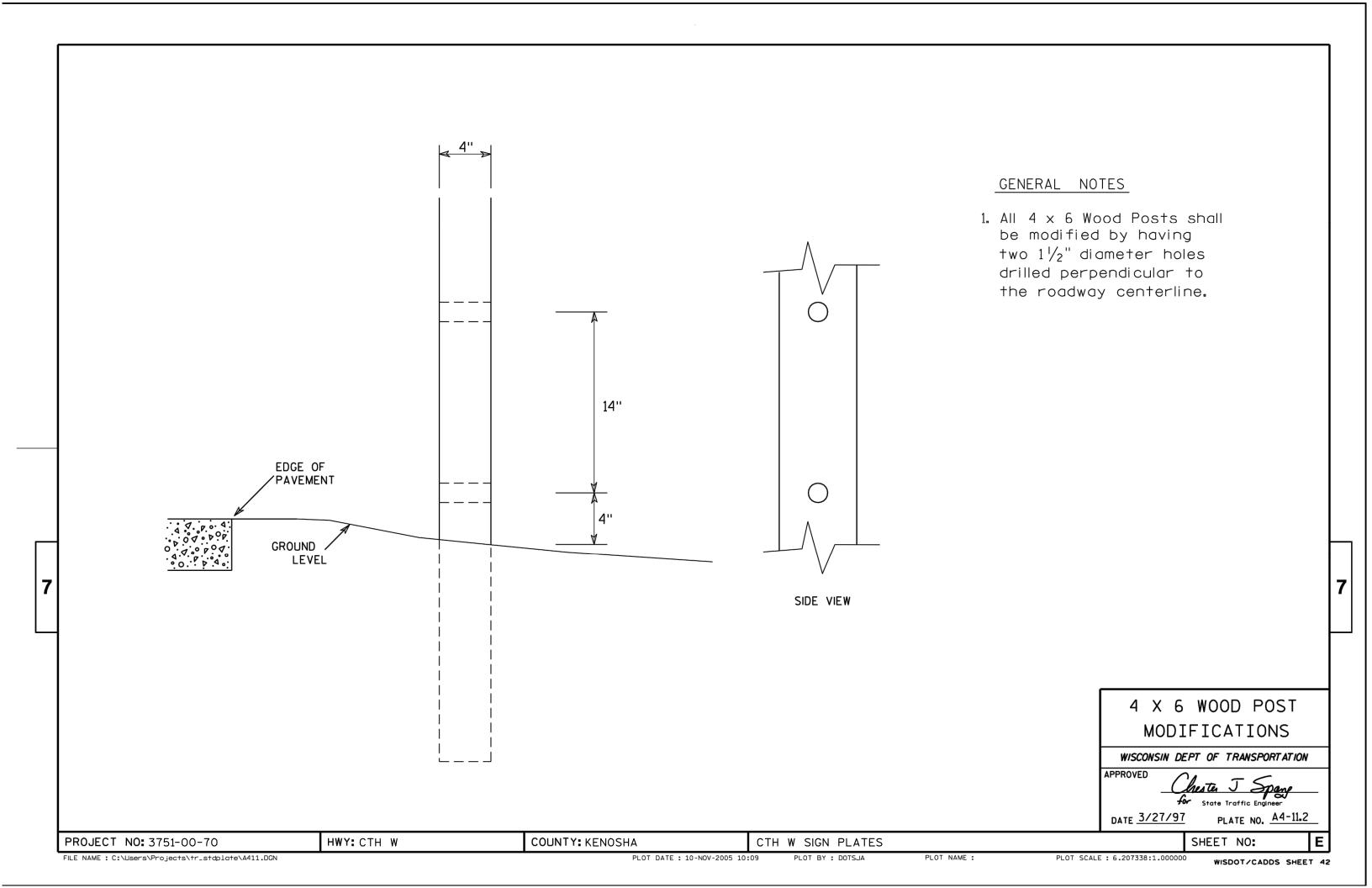
PLOT NAME :

PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42

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Total CTH W Earthwork Volume Cut Area Fill Area Fill Vol Cum Fill Vol Net Vol Station Cut Vol Cum Cut Vol 19+50.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 20+00.00 125.14 0.00 115.87 0.00 115.87 0.00 115.87 20+50.00 124.56 0.31 231.21 0.33 347.08 0.33 346.74 21+00.00 129.53 0.02 235.27 0.36 582.35 0.69 581.66 21+50.00 122.40 0.22 233.83 0.27 816.19 0.96 815.23 22+00.00 86.71 0.00 188.70 0.25 1004.88 1.21 1003.68 22+50.00 87.12 0.38 155.93 0.44 1160.81 1.65 1159.16 23+00.00 119.45 0.00 191.17 0.44 1351.98 2.08 1349.90 23+50.00 128.00 0.48 237.23 0.53 1589.21 2.61 1586.59 24+00.00 128.04 2.19 239.56 2.86 1828.76 5.47 1823.30 24+50.00 211.19 0.18 314.10 2.52 2142.87 7.99 2134.88 25+00.00 171.90 0.00 354.72 0.19 2497.58 2489.40 8.18 25+50.00 73.34 1.12 227.08 1.20 2724.66 9.38 2715.28 0.31 20.35 0.23 2745.01 2735.40 25+57.61 71.11 9.61 26+00.00 75.62 0.00 115.19 0.29 2860.20 9.90 2850.30 26+50.00 53.21 1.95 119.28 2.08 2979.48 11.98 2967.50 27+00.00 32.63 19.11 79.48 22.43 3058.96 34.41 3024.55 27+50.00 41.34 75.75 3037.03 25.48 19.71 53.81 3112.78 28+00.00 30.53 11.81 51.86 33.56 3164.64 109.31 3055.32 6.14 28+50.00 38.95 64.33 19.11 3228.97 128.43 3100.54 29+00.00 34.88 4.33 68.36 11.15 3297.33 139.58 3157.75 0.23 3202.14 29+28.00 55.97 47.11 2.72 3344.43 142.30 29+50.00 43.09 10.39 40.36 4.98 147.28 3237.51 3384.79 30+00.00 29.21 27.58 67.84 3452.62 188.33 41.05 3264.30 30+37.00 29.21 17.72 40.19 36.59 3492.81 224.92 3267.90 16.27 3274.32 30+50.00 38.36 17.82 9.84 3509.08 234.76 31+00.00 37.58 15.28 70.82 35.93 3579.91 270.69 3309.22 31+50.00 68.79 11.30 99.35 28.32 3679.26 299.01 3380.25 32+00.00 132.09 17.23 73.86 4.88 3811.34 316.23 3495.11 32+50.00 96.81 158.02 10.36 326.59 3642.78 4.85 3969.37

Total CTH W Earthwork Volume							
Station	Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
33+00.00	16.18	35.21	104.61	42.66	4073.98	369.25	3704.73
33+50.00	21.47	68.20	34.86	110.11	4108.84	479.36	3629.49
34+00.00	19.36	91.43	37.81	169.97	4146.65	649.33	3497.32
34+11.00	22.64	82.48	8.97	41.01	4155.62	690.34	3465.29
34+50.00	23.56	100.48	34.67	153.44	4190.29	843.78	3346.52
35+00.00	32.21	90.26	52.66	206.23	4242.95	1050.01	3192.94
35+50.00	0.00	0.00	30.20	97.84	4273.15	1147.85	3125.30
35+77.00	33.01	93.55	17.38	54.66	4290.53	1202.51	3088.03
36+00.00	39.95	110.83	32.66	101.81	4323.20	1304.32	3018.88
36+50.00	9.18	113.35	47.02	243.24	4370.22	1547.55	2822.66
36+75.00	24.21	84.27	15.29	107.33	4385.50	1654.88	2730.63
37+00.00	38.78	58.79	28.91	77.86	4414.42	1732.74	2681.68
37+50.00	52.33	24.47	82.10	91.11	4496.51	1823.85	2672.67
38+00.00	107.30	29.29	143.68	59.13	4640.19	1882.97	2757.21
38+50.00	126.85	9.98	209.14	42.95	4849.33	1925.92	2923.41
39+00.00	147.34	7.23	241.43	18.83	5090.76	1944.75	3146.01
39+50.00	130.88	1.44	245.34	9.70	5336.10	1954.45	3381.65
40+00.00	101.84	1.93	212.78	3.63	5548.88	1958.08	3590.80
40+33.00	117.02	0.95	133.75	2.02	5682.63	1960.10	3722.53
40+50.00	102.71	0.56	69.17	0.55	5751.80	1960.65	3791.16
41+00.00	90.95	3.50	179.31	4.32	5931.12	1964.97	3966.15
41+50.00	64.03	37.61	143.50	43.77	6074.62	2008.73	4065.89
42+00.00	213.81	10.41	265.02	50.05	6339.64	2058.79	4280.86
42+50.00	21.91	0.00	218.26	11.08	6557.91	2069.87	4488.04
43+00.00	138.36	1.89	148.39	2.02	6706.30	2071.89	4634.41
43+50.00	62.71	0.39	186.17	2.43	6892.47	2074.32	4818.15
44+00.00	17.79	0.00	74.54	0.41	6967.01	2074.73	4892.28
44+50.00	0.00	0.00	16.48	0.00	6983.49	2074.73	4908.75

9

PROJECT NO: 3751-00-70

HWY: CTH W

COUNTY: KENOSHA

CROSS SECTIONS: CTH W (FOX RIVER ROAD)

SHEET

Ε

FILE NAME: P:\K0450030\_KENOSHA COUNTY - CTH W RECONSTRUCTION\C3D\SHEETSPLAN\0901\_XSECT-2.DWG LAYOUT NAME - 0901\_XSECT-2 - EW VOLUME ROAD

PLOT DATE: 1/23/2017 11:04 PM

PLOT NAME : PLOT BY : KEVIN K. RISCH

PLOT SCALE: 0.099367

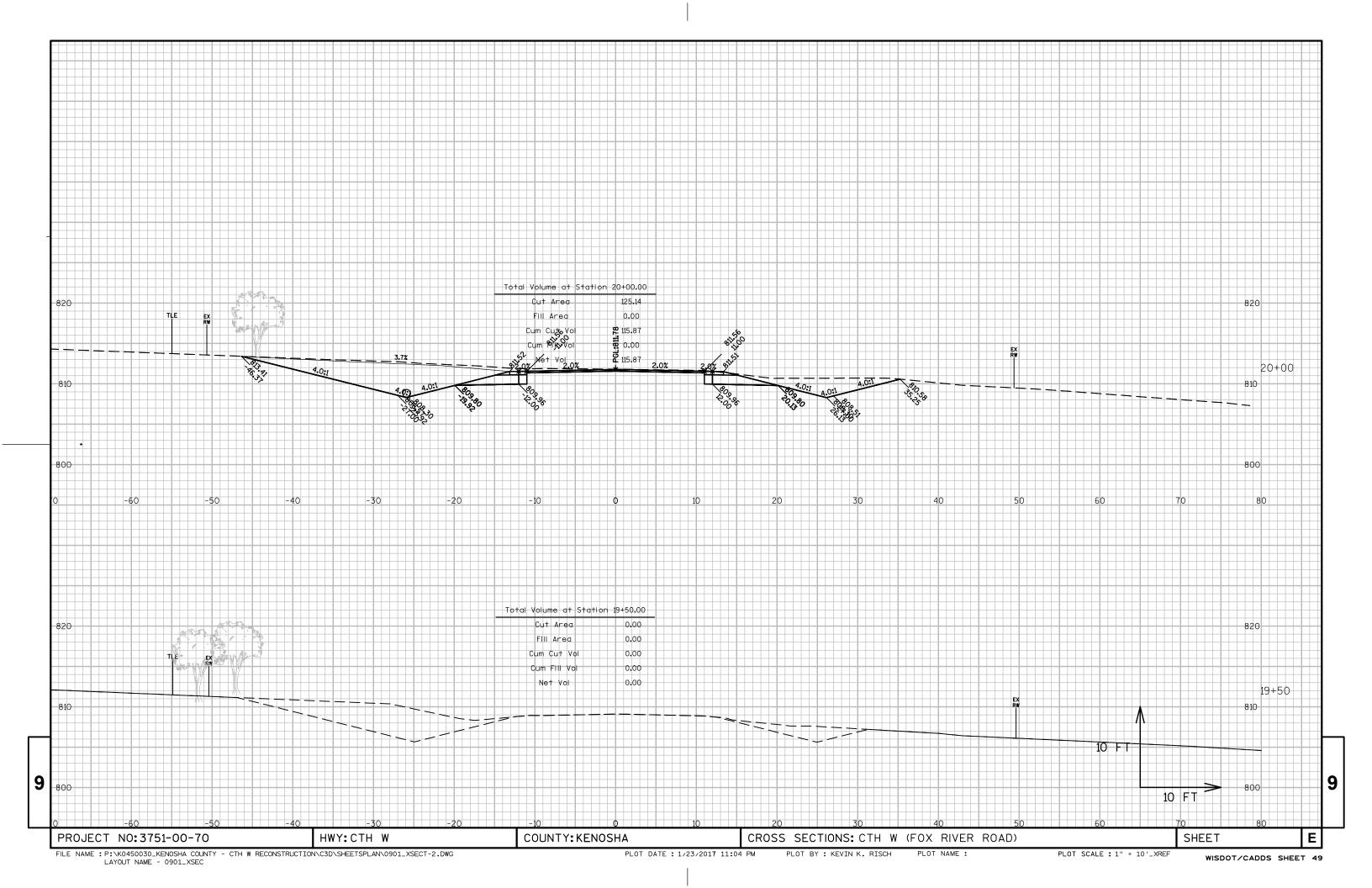
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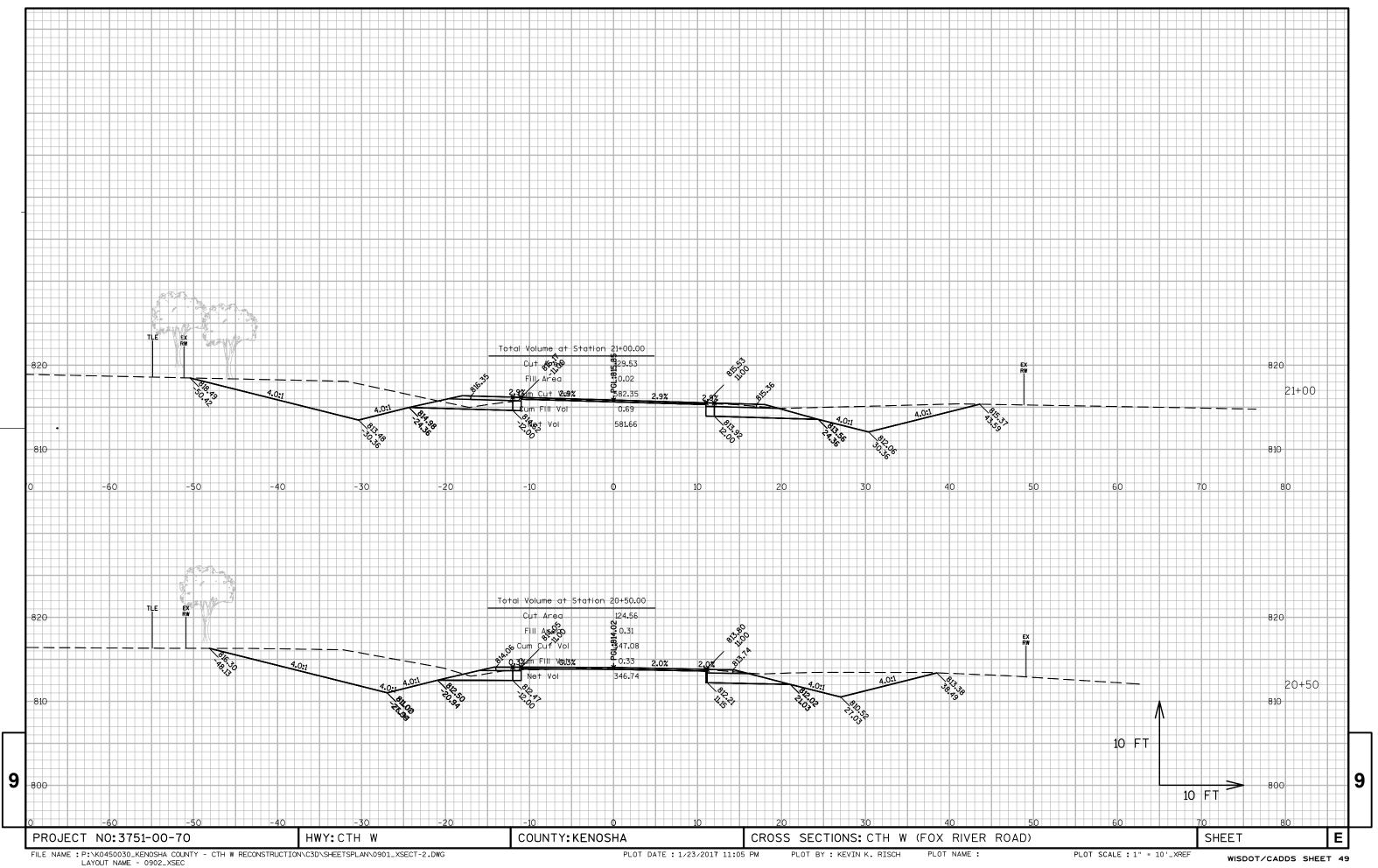
Total Excavation Below Subgrade (EBS) Volume Fill Area Fill Vol Cut Area Cut Vol Cum Cut Vol Cum Fill Vol Net Vol Station 33+00.00 0.08 0.00 0.07 0.00 0.07 0.00 0.07 33+50.00 7.98 0.00 7.46 0.00 7.54 0.00 7.54 29.88 0.00 0.00 34+00.00 16.15 0.00 22.35 29.88 18.32 0.00 6.82 0.00 0.00 36.71 34+11.00 36.71 0.00 34+50.00 29.90 0.00 33.96 70.67 0.00 70.67 35+00.00 139.32 139.32 45.69 0.00 68.66 0.00 0.00 35+50.00 0.00 0.00 180.93 0.00 41.61 0.00 180.93 35+77.00 79.92 0.00 39.96 0.00 220.88 0.00 220.88 36+00.00 80.00 0.00 68.11 0.00 288.99 0.00 288.99 36+50.00 80.12 0.00 148.25 0.00 437.25 0.00 437.25 36+75.00 80.02 0.00 74.13 0.00 511.38 0.00 511.38 37+00.00 78.99 0.00 73.62 0.00 585.00 0.00 585.00 37+50.00 71.62 0.00 139.66 0.00 0.00 724.67 724.67 38+00.00 39.38 0.00 103.54 0.00 828.20 0.00 828.20 38+50.00 40.48 0.00 74.76 0.00 902.96 0.00 902.96 39+00.00 26.57 0.00 62.10 0.00 965.06 0.00 965.06 39+50.00 17.09 0.00 39.93 0.00 0.00 1004.99 1004.99 32.99 0.00 1037.98 1037.98 40+00.00 18.78 0.00 0.00 40+33.00 3.84 0.00 13.83 0.00 1051.81 0.00 1051.81 40+50.00 11.12 0.00 4.71 0.00 1056.52 0.00 1056.52 41+00.00 12.56 0.00 0.00 1078.45 0.00 1078.45 21.93 41+50.00 1.02 0.00 12.58 0.00 1091.04 0.00 1091.04 42+00.00 0.00 0.00 0.96 0.00 1092.00 0.00 1092.00 42+50.00 0.00 0.00 0.00 0.00 1092.00 0.00 1092.00 43+00.00 0.00 0.00 0.00 0.00 1092.00 0.00 1092.00 43+50.00 0.00 0.00 0.00 0.00 1092.00 0.00 1092.00 44+00.00 0.00 0.00 0.00 0.00 1092.00 0.00 1092.00 44+50.00 0.00 0.00 0.00 0.00 1092.00 0.00 1092.00

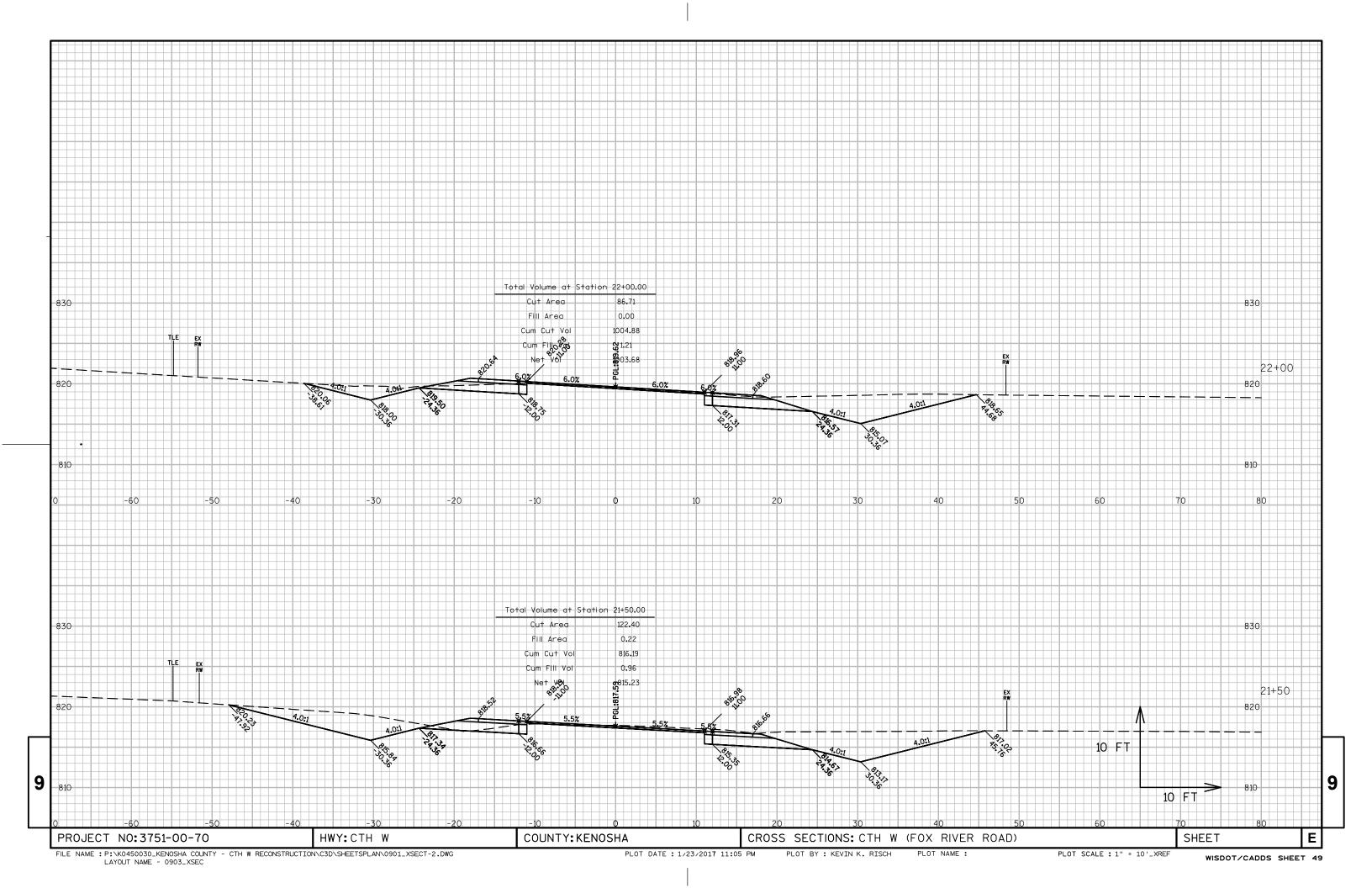
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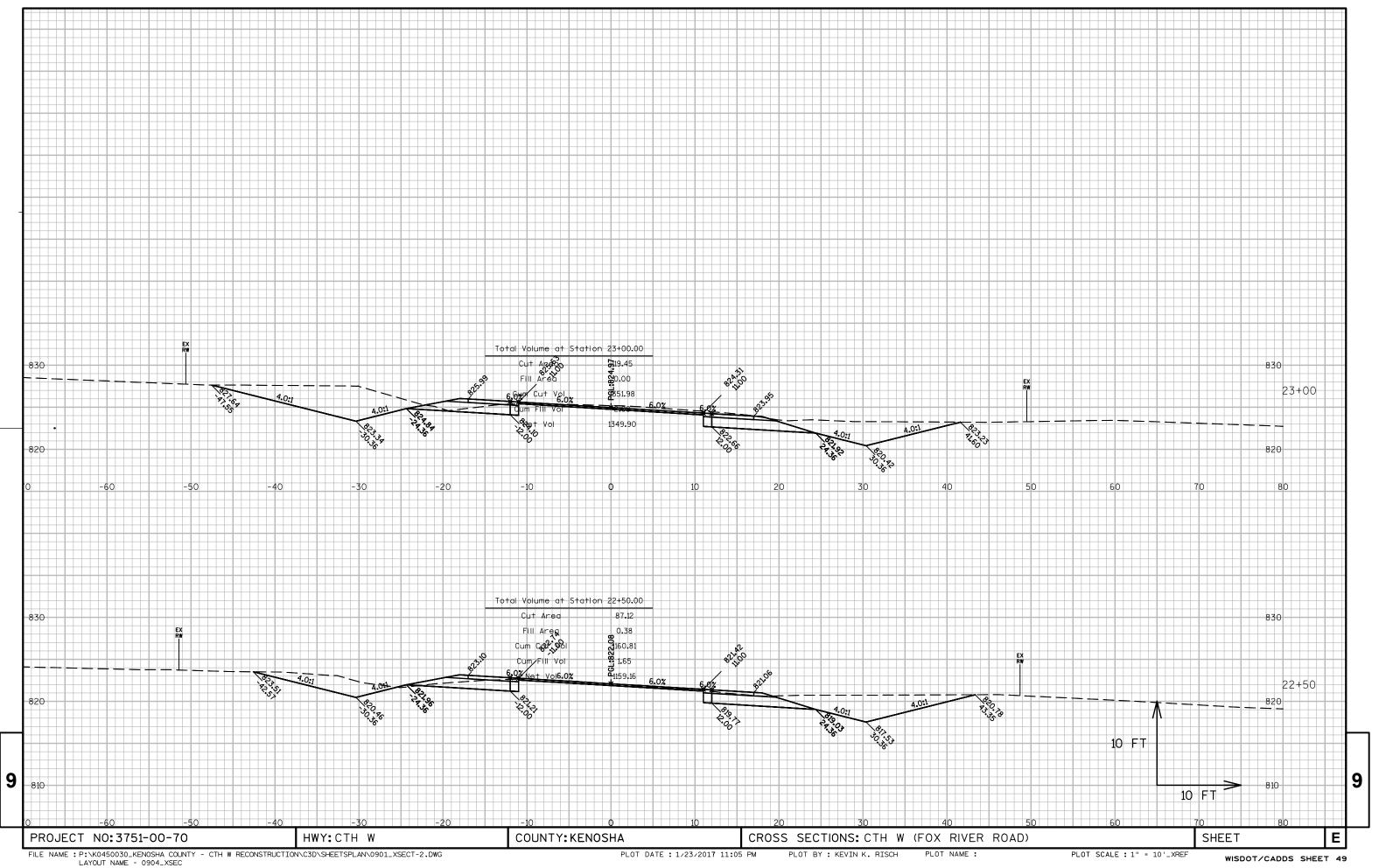
PROJECT NO:3751-00-70 HWY:CTH W COUNTY:KENOSHA CROSS SECTIONS: CTH W (FOX RIVER ROAD) SHEET E

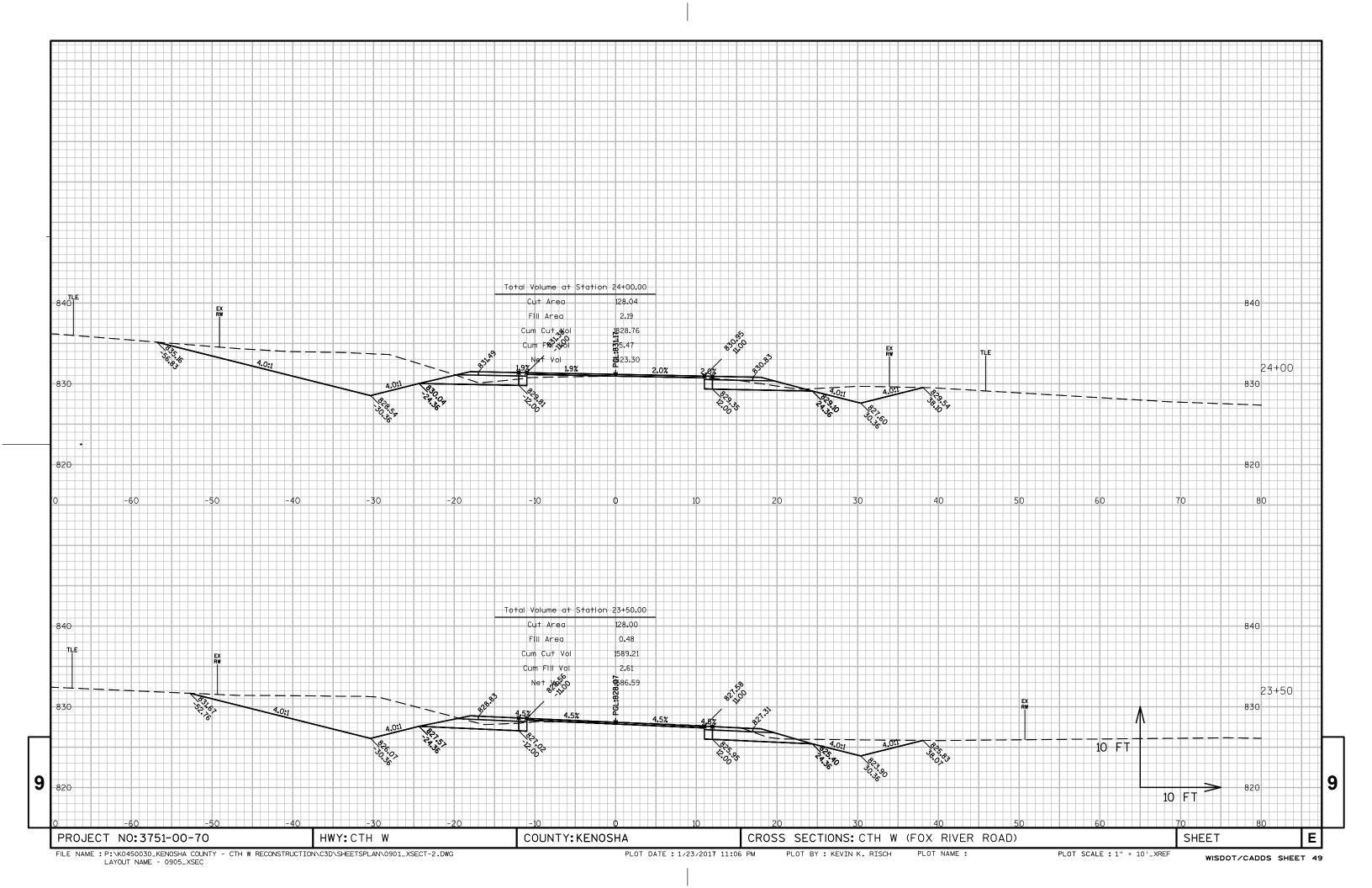
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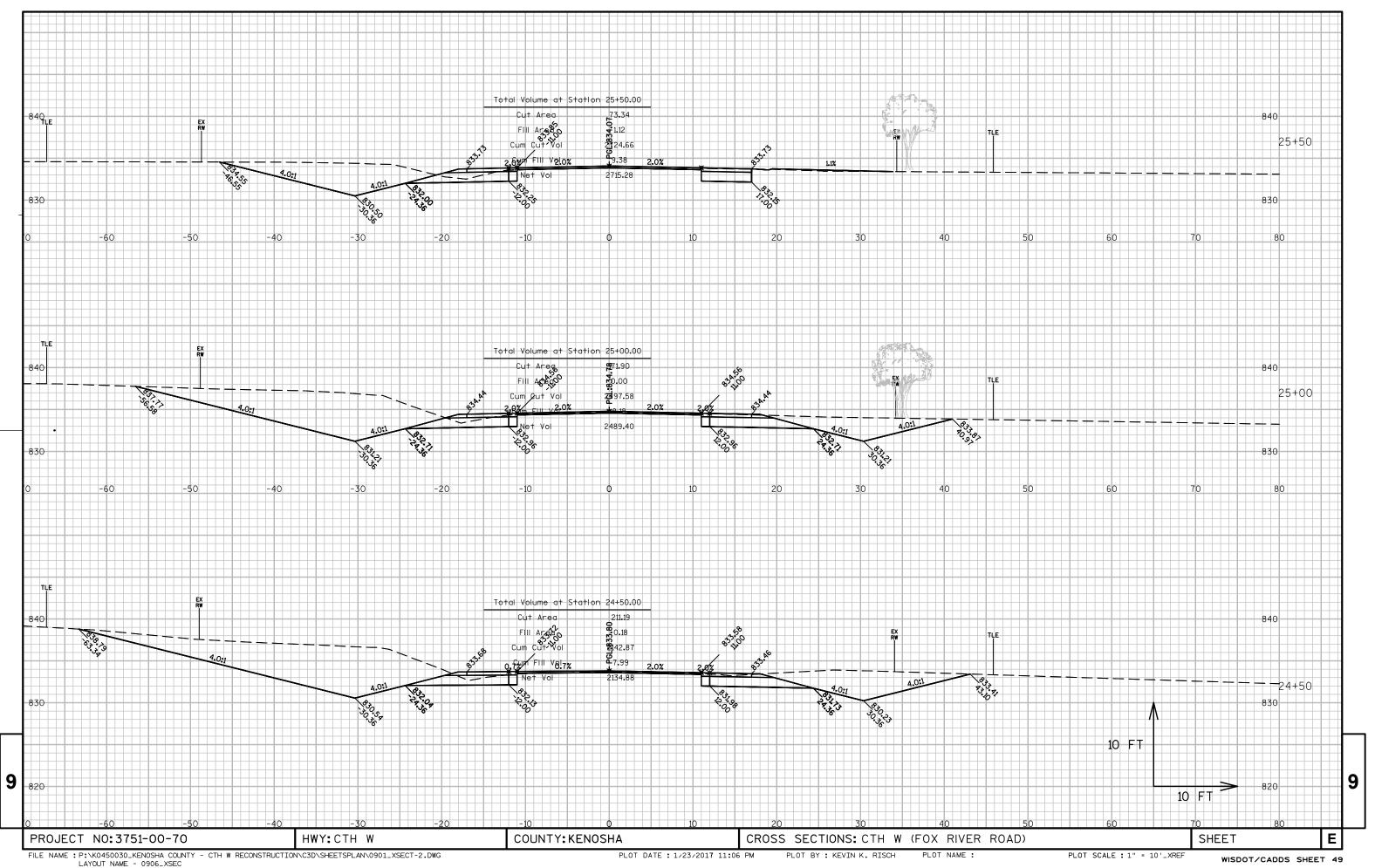


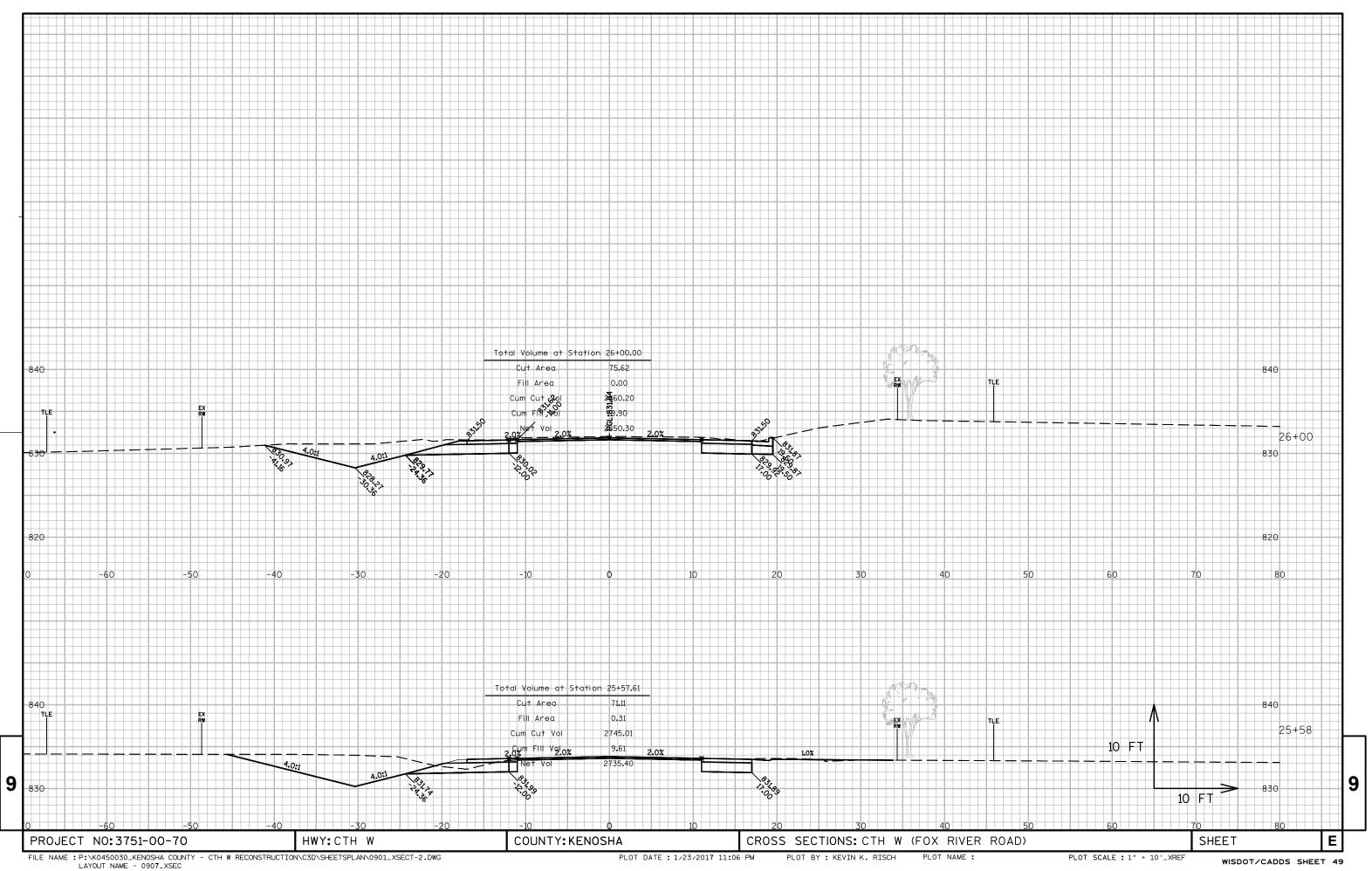


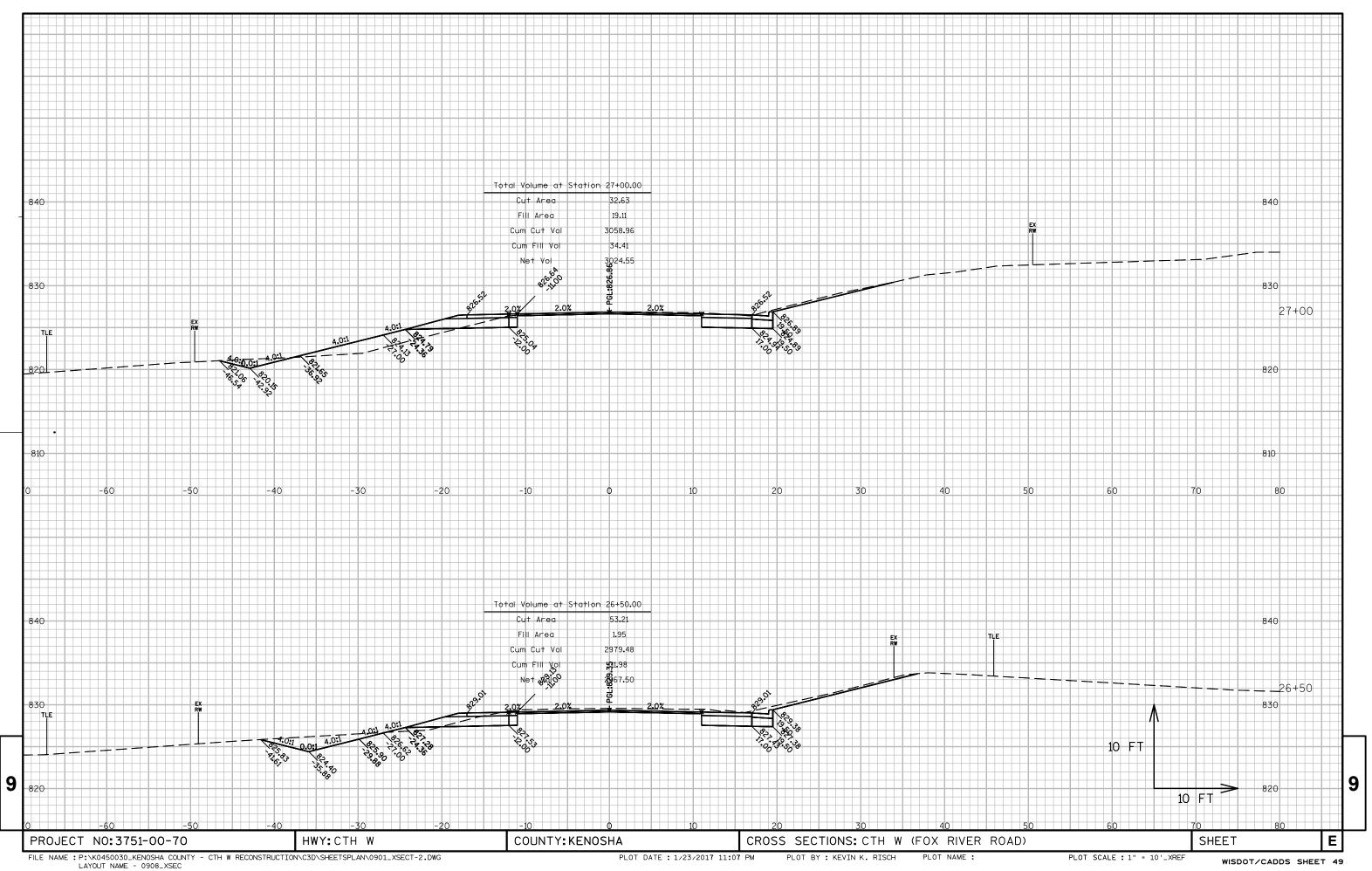


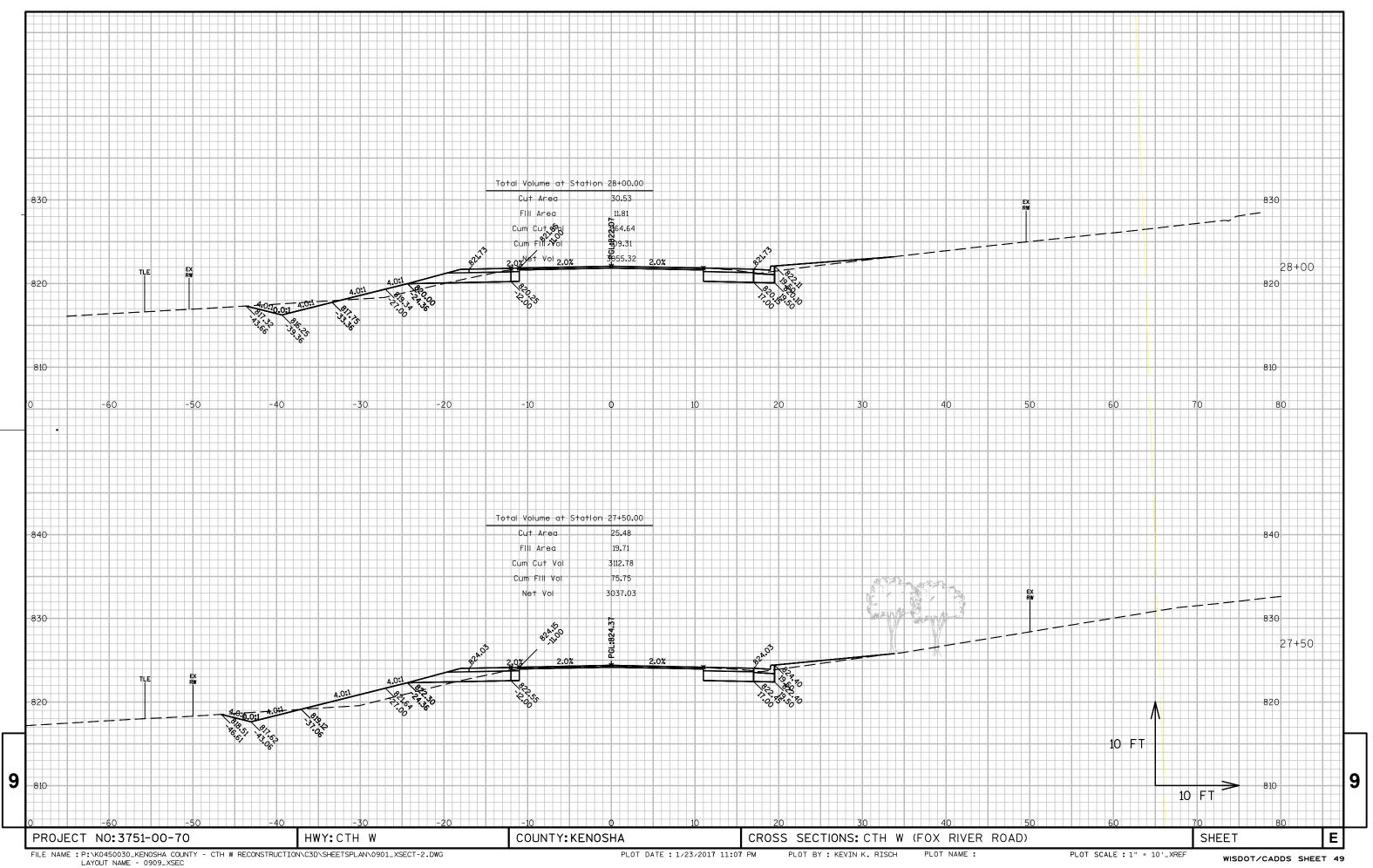


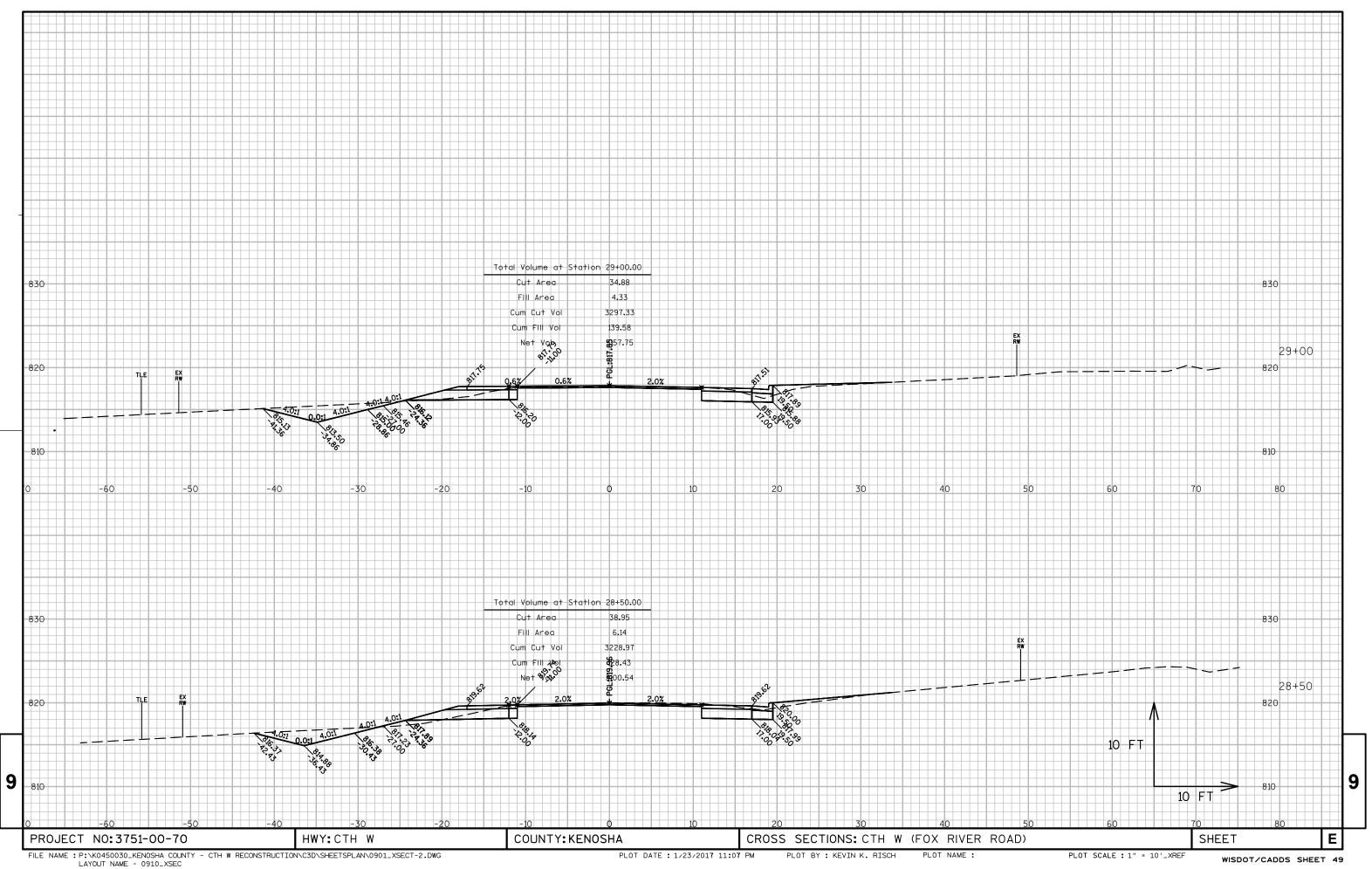


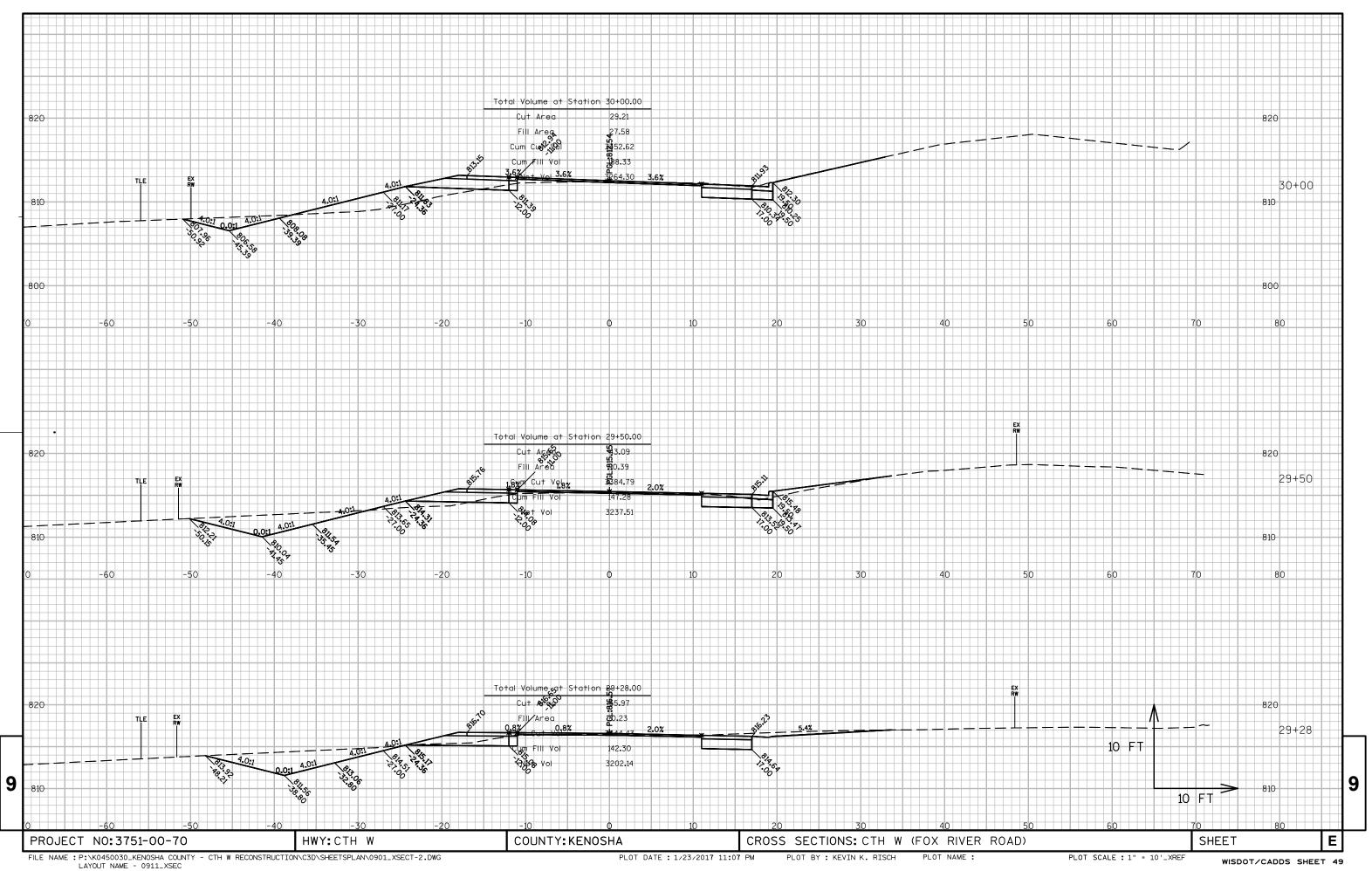


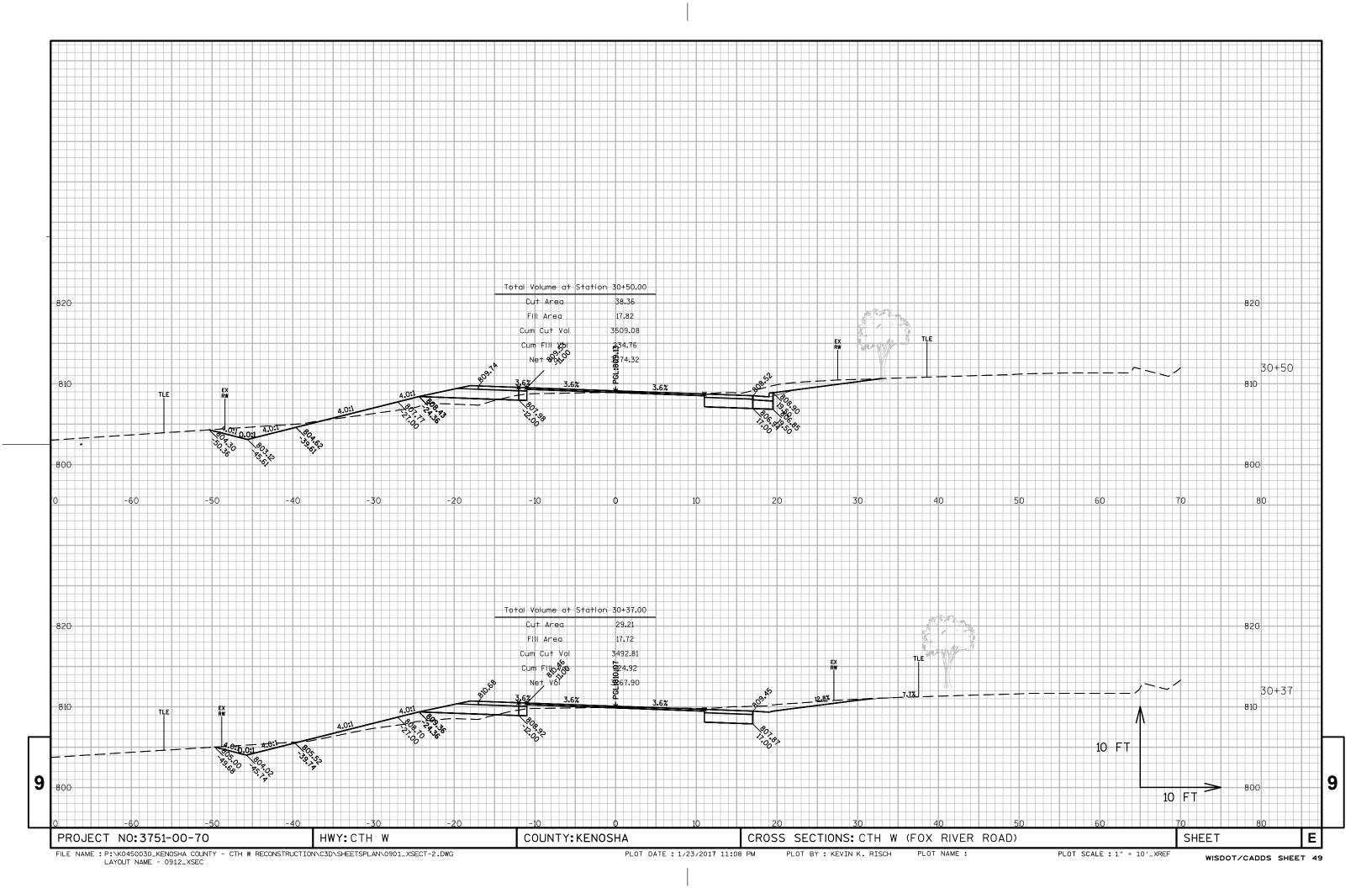


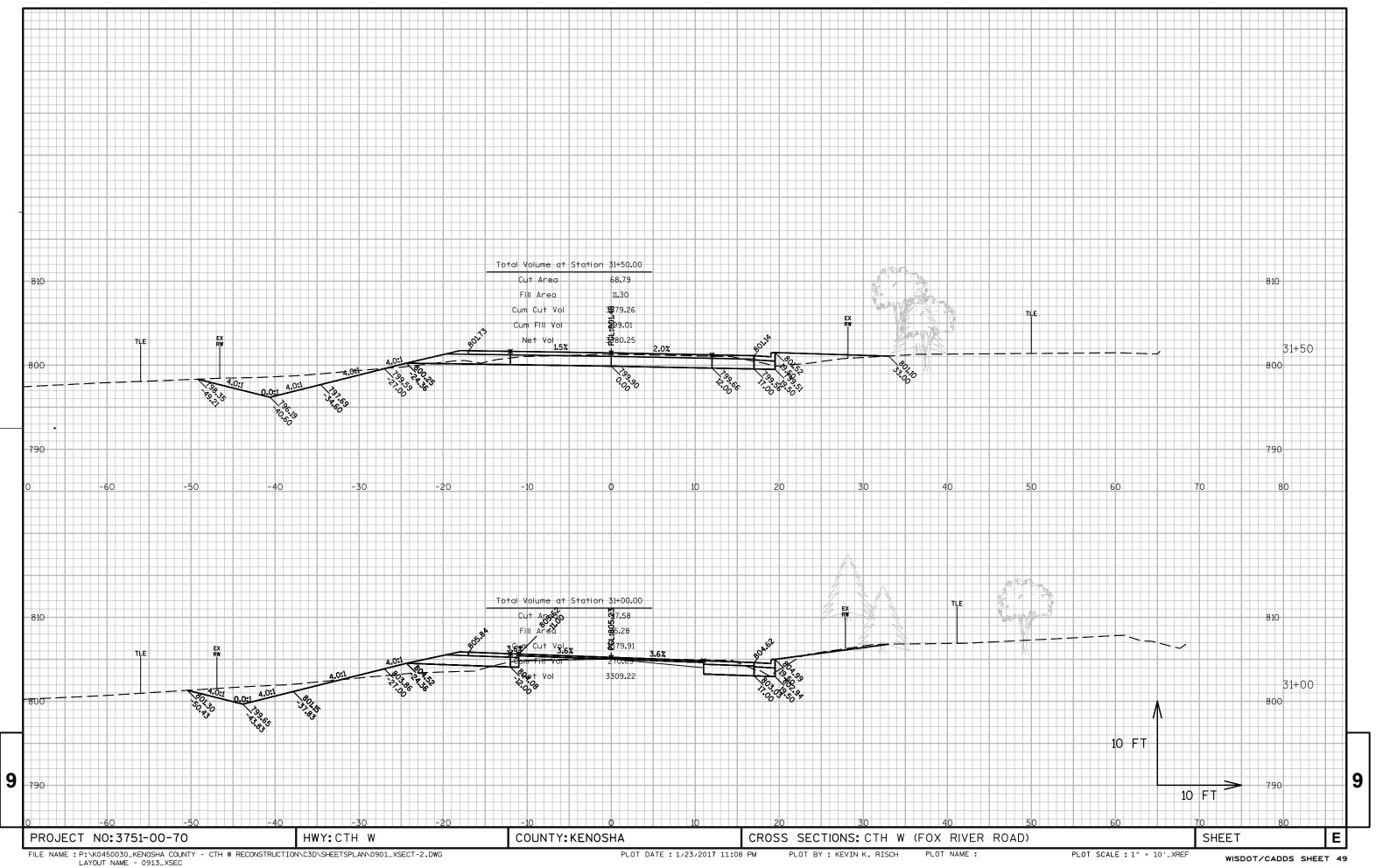


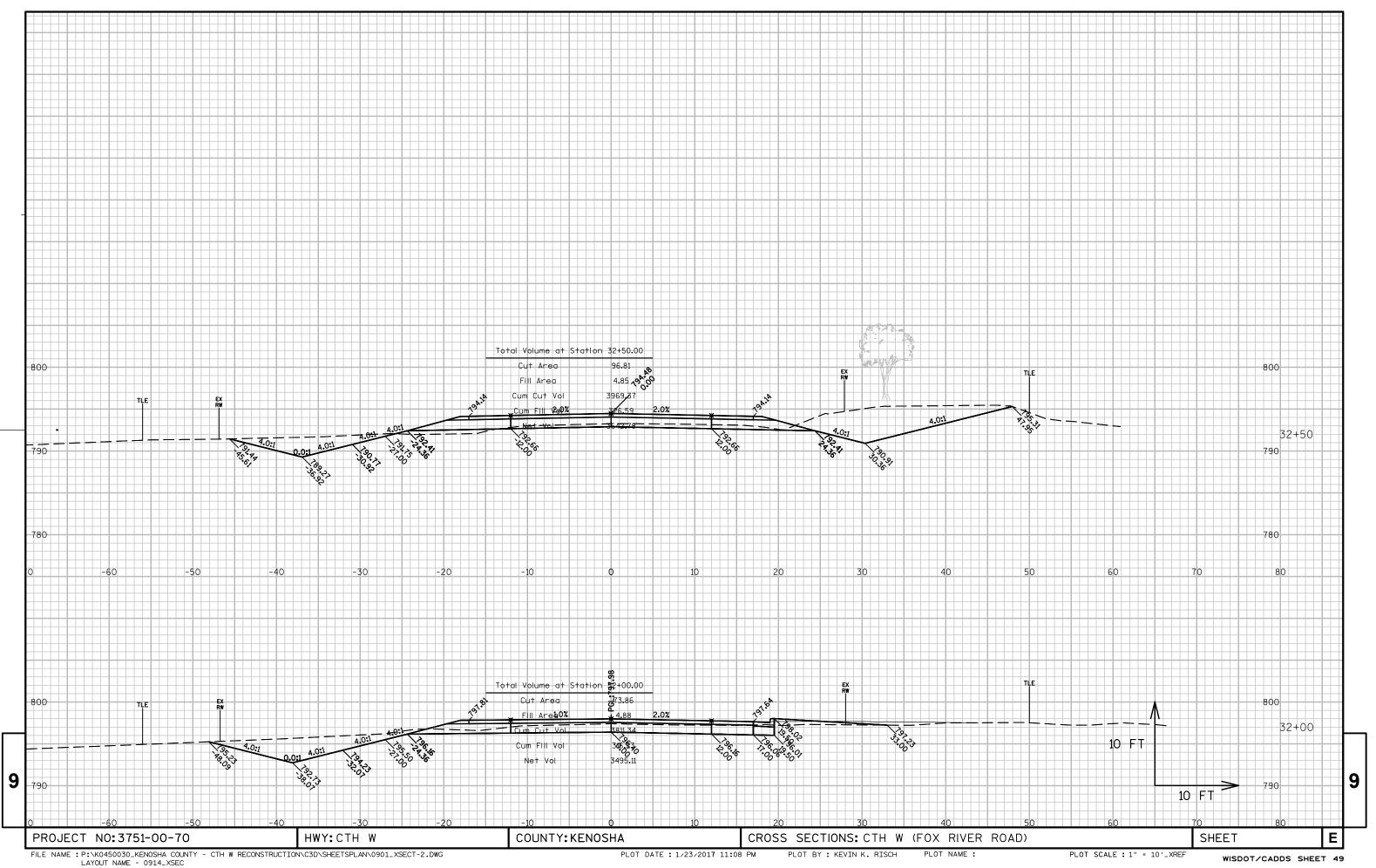




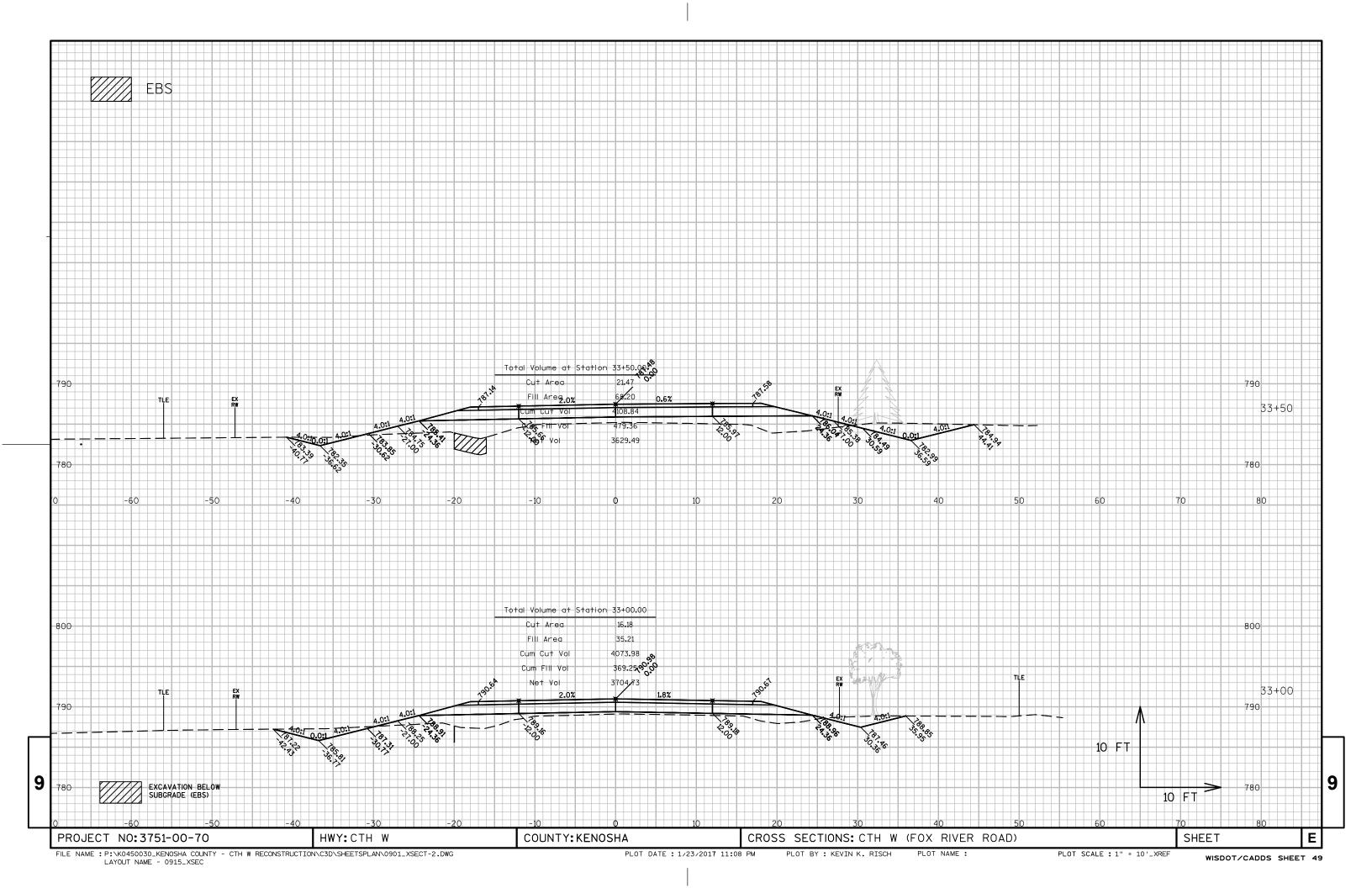


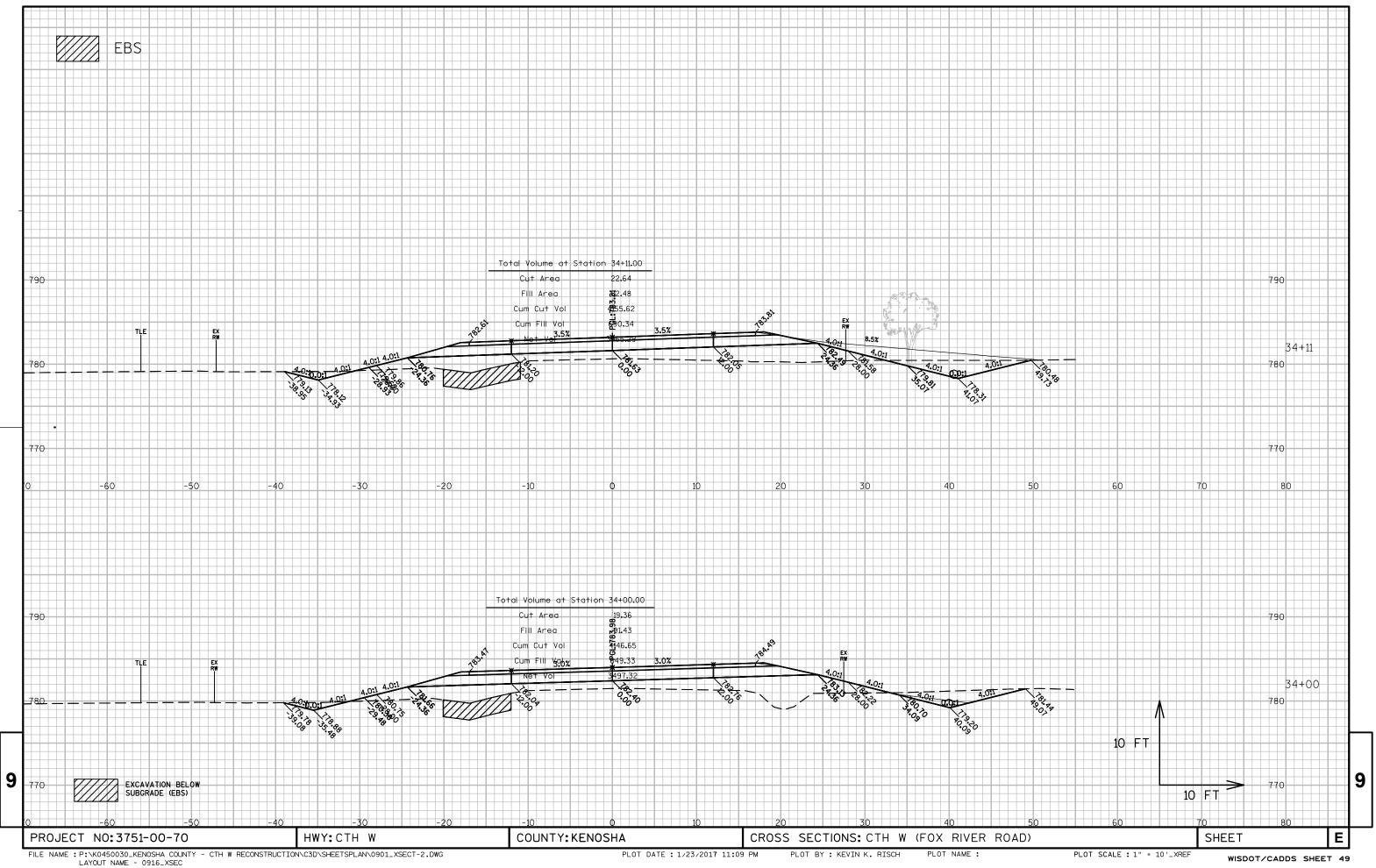


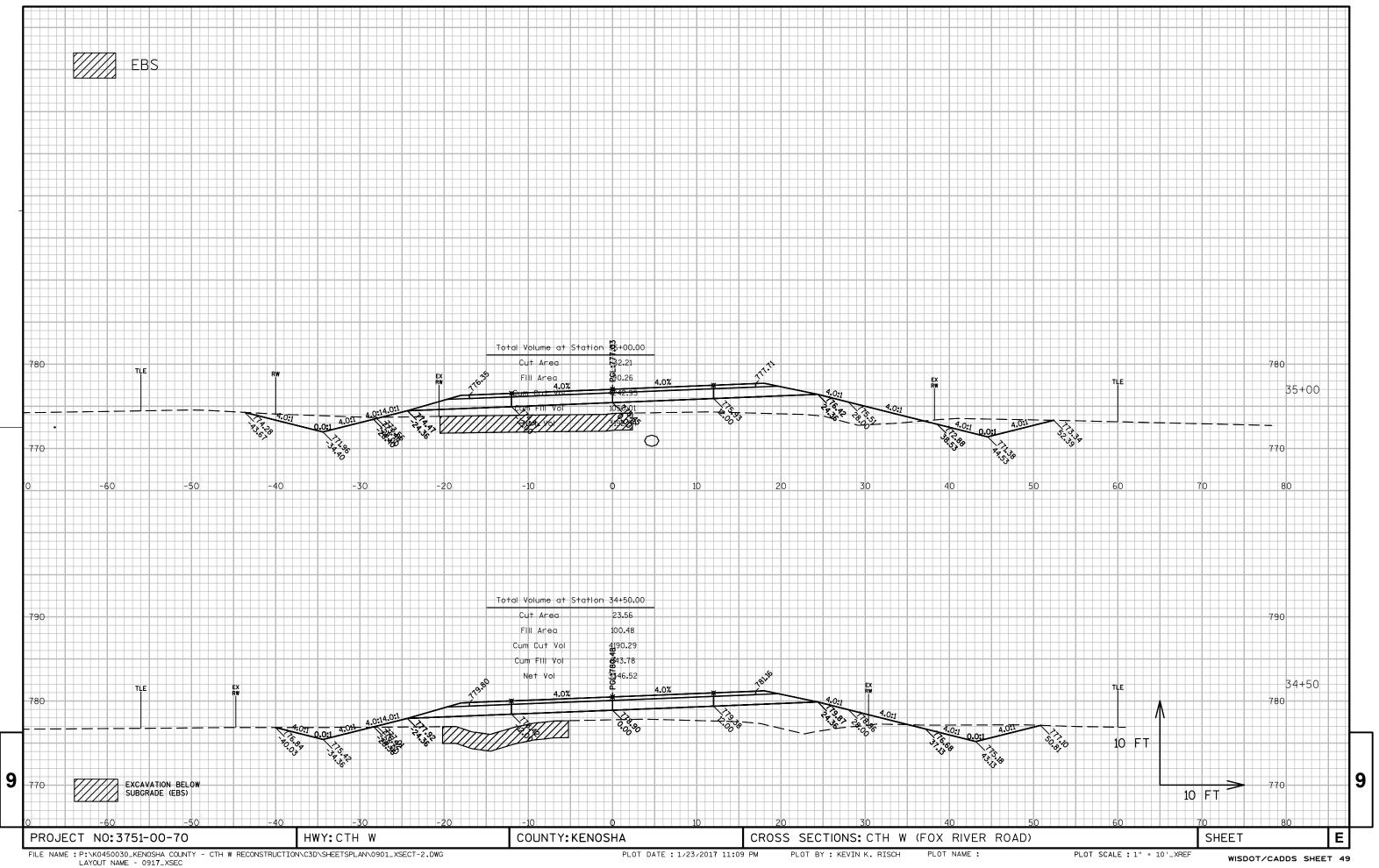


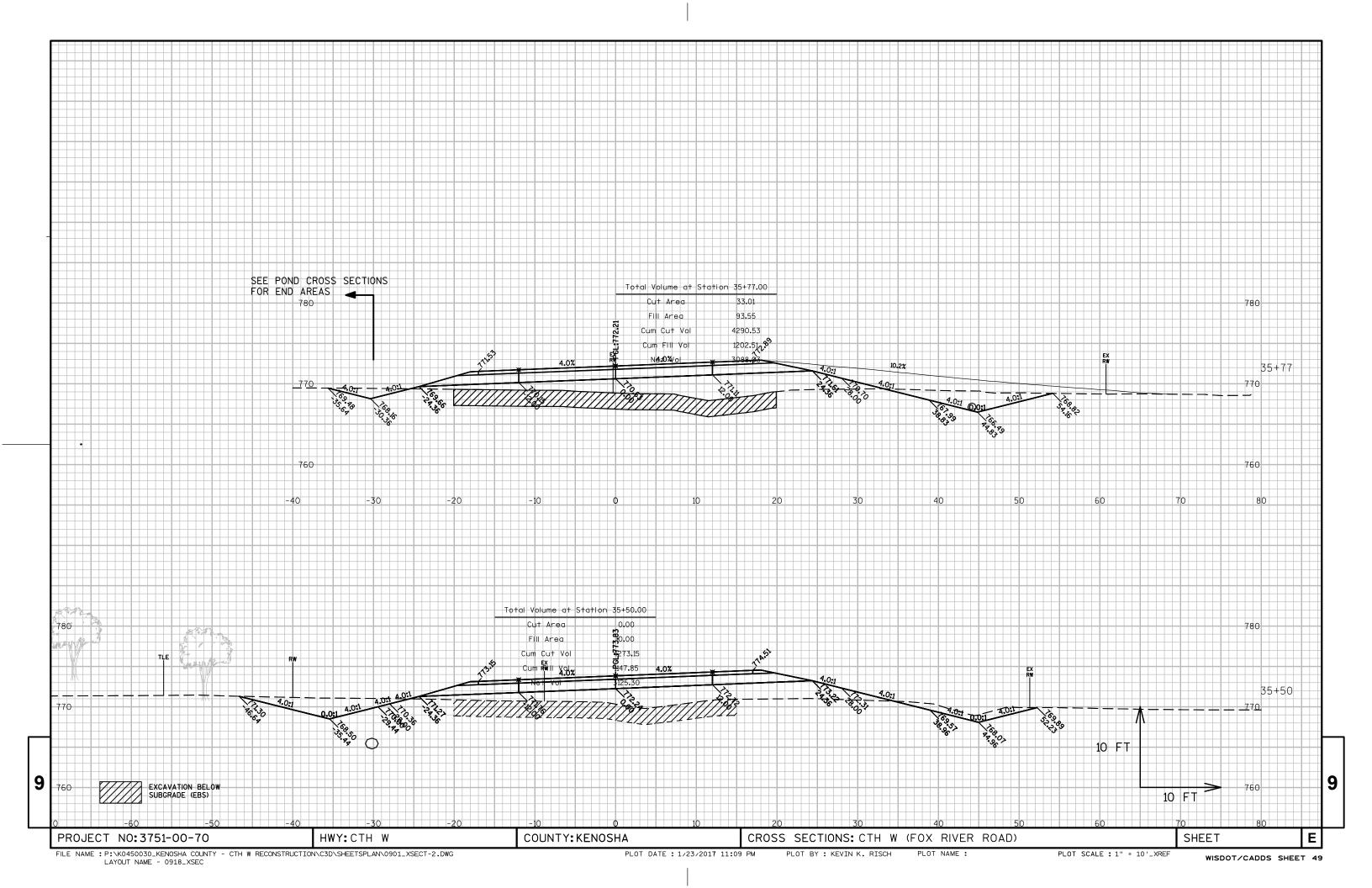


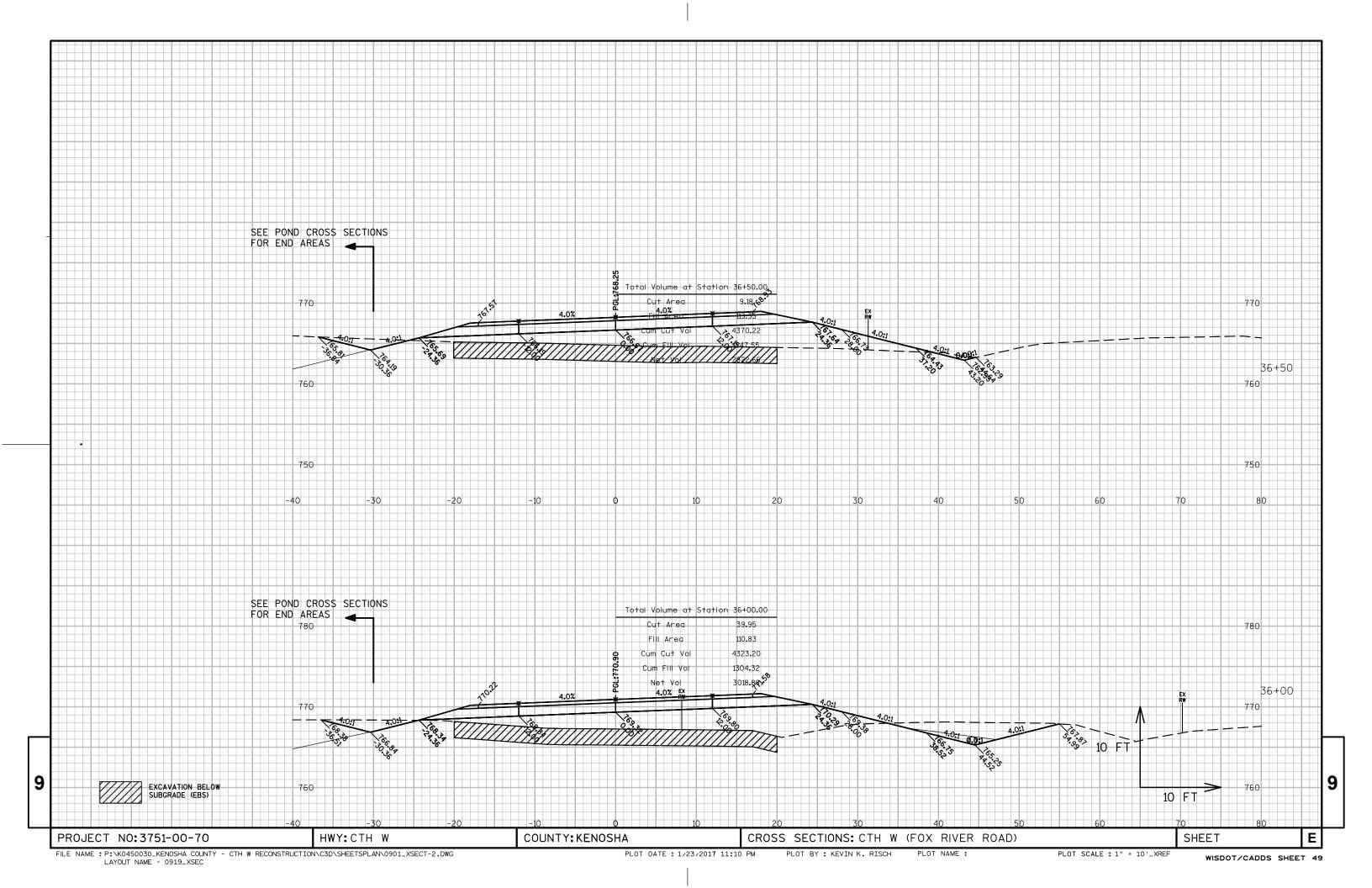
WISDOT/CADDS SHEET 49

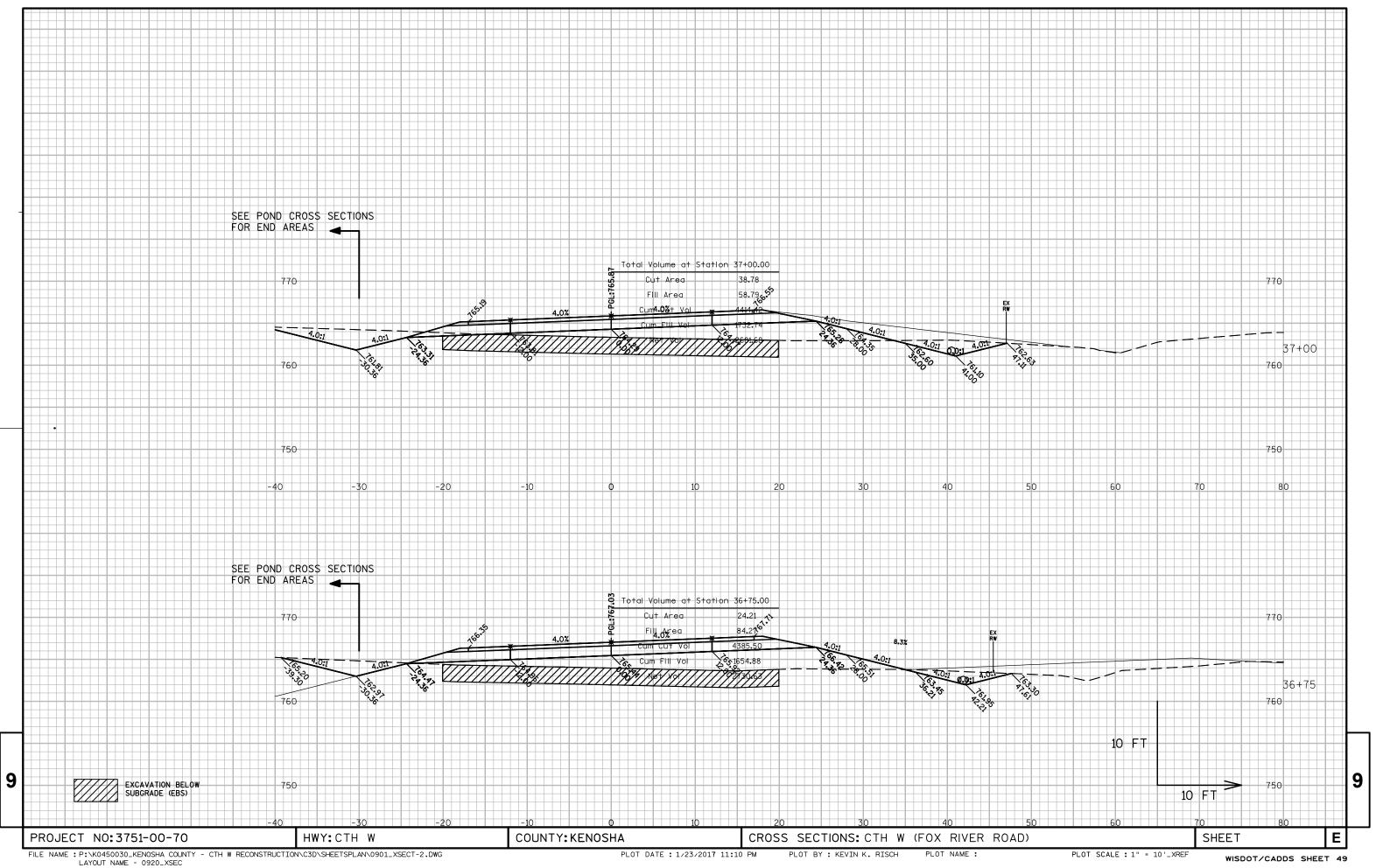


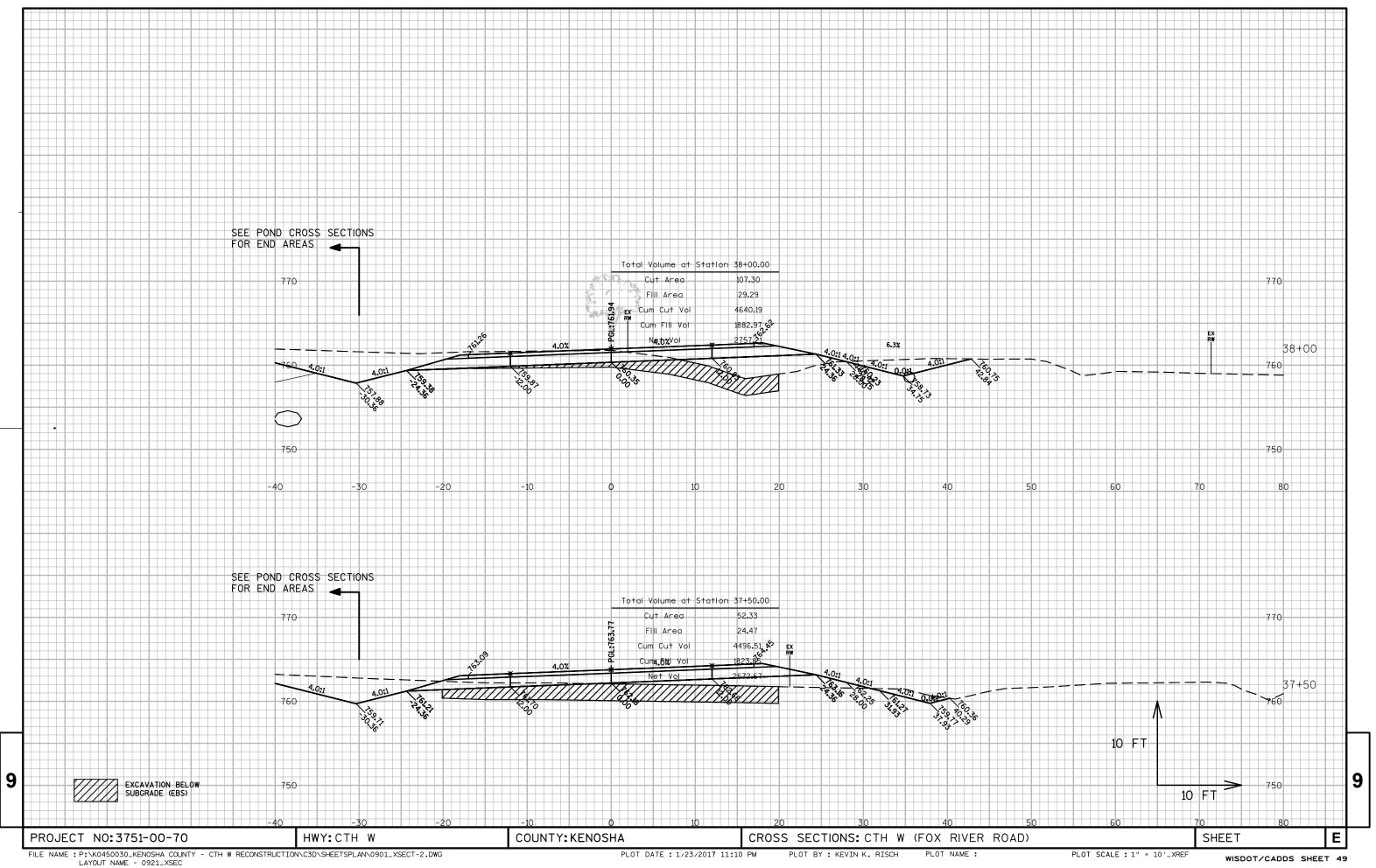


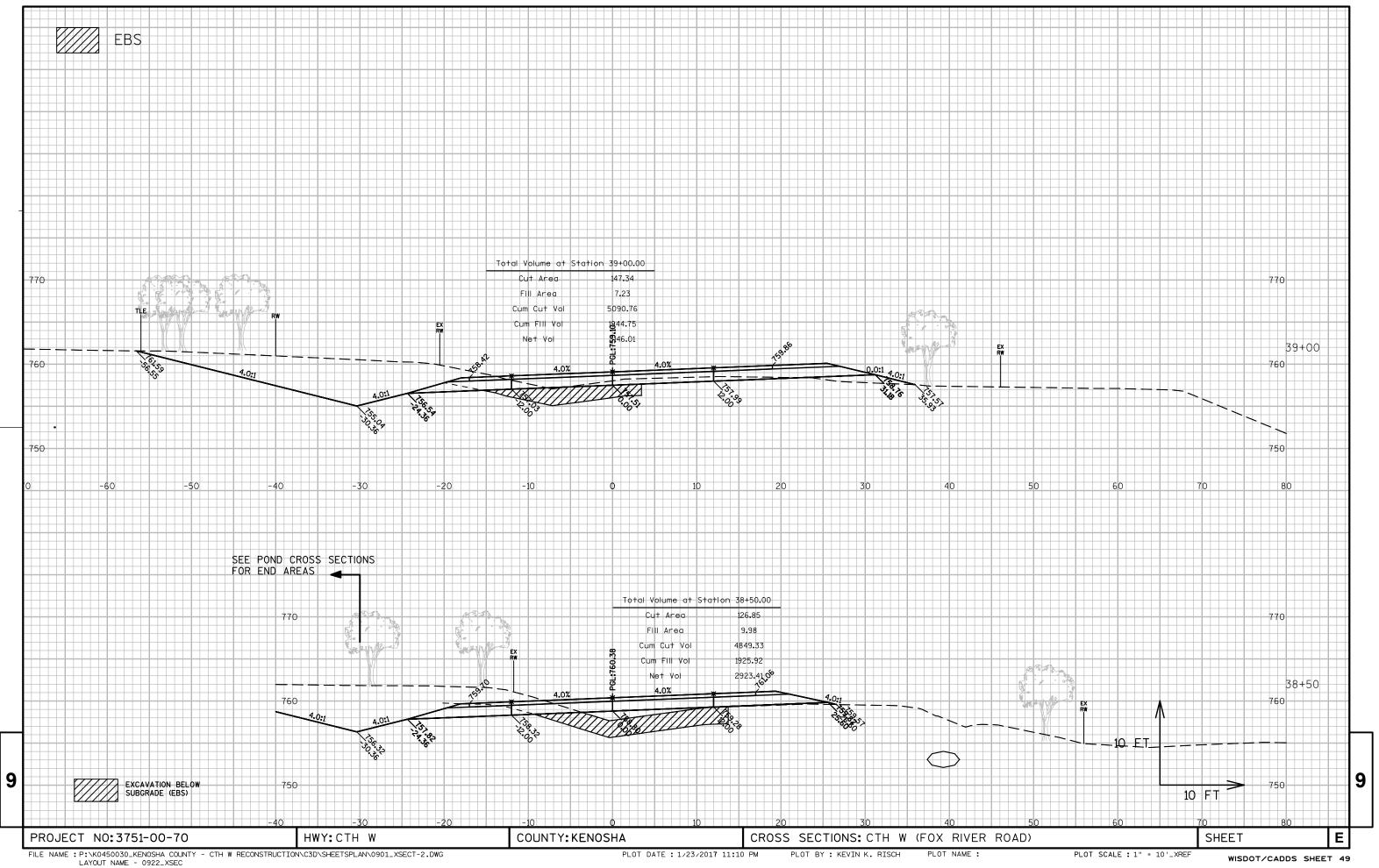


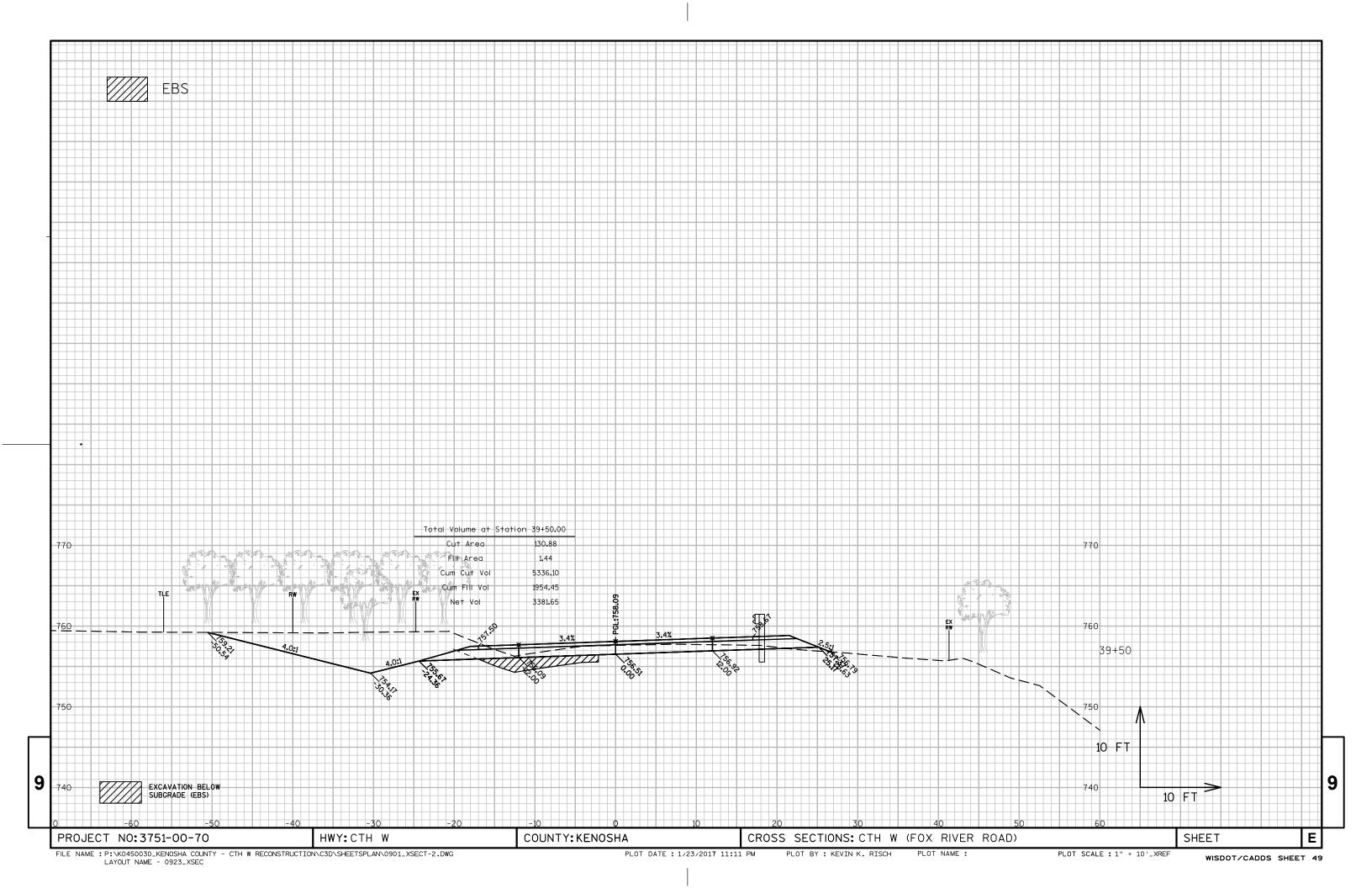


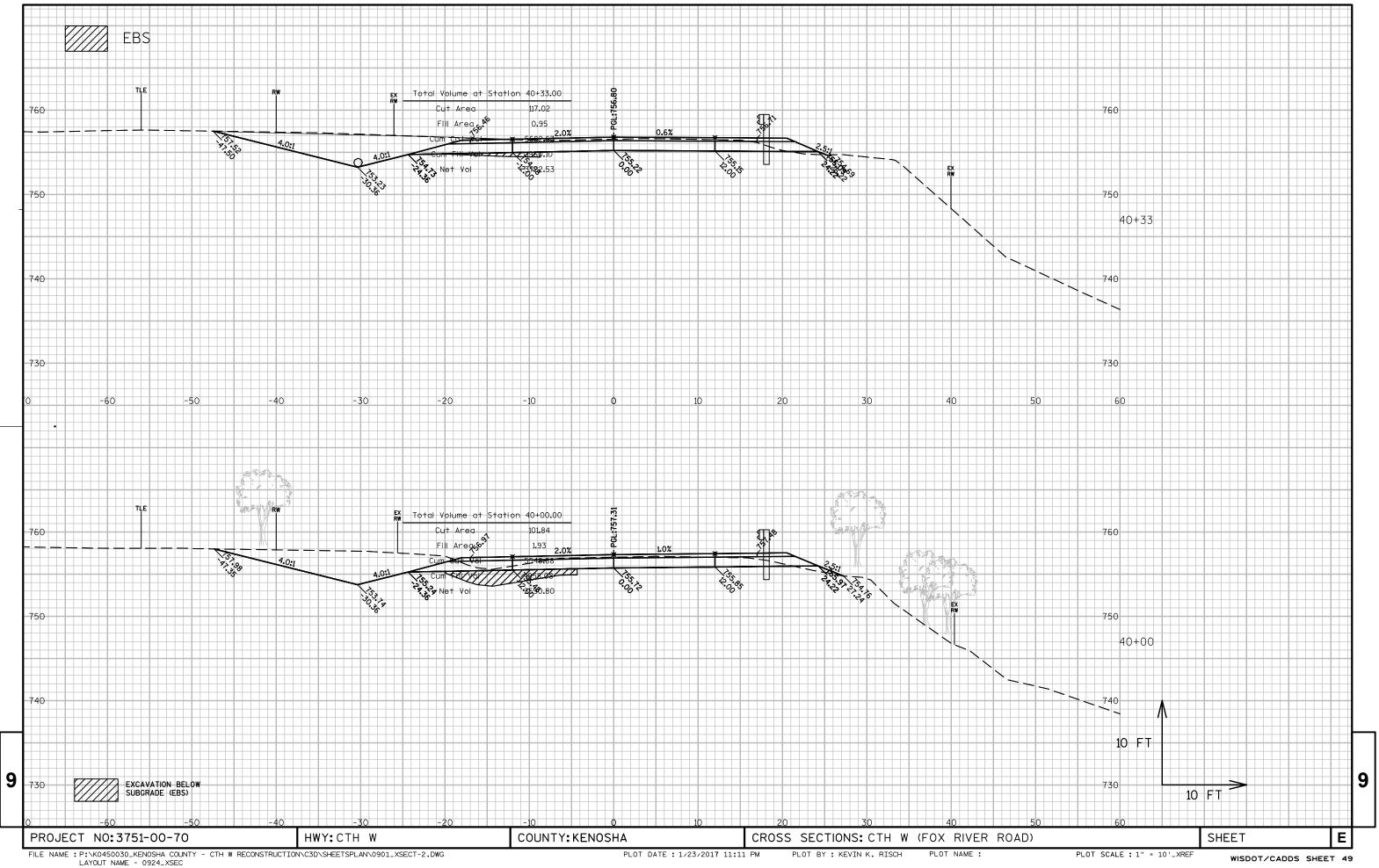


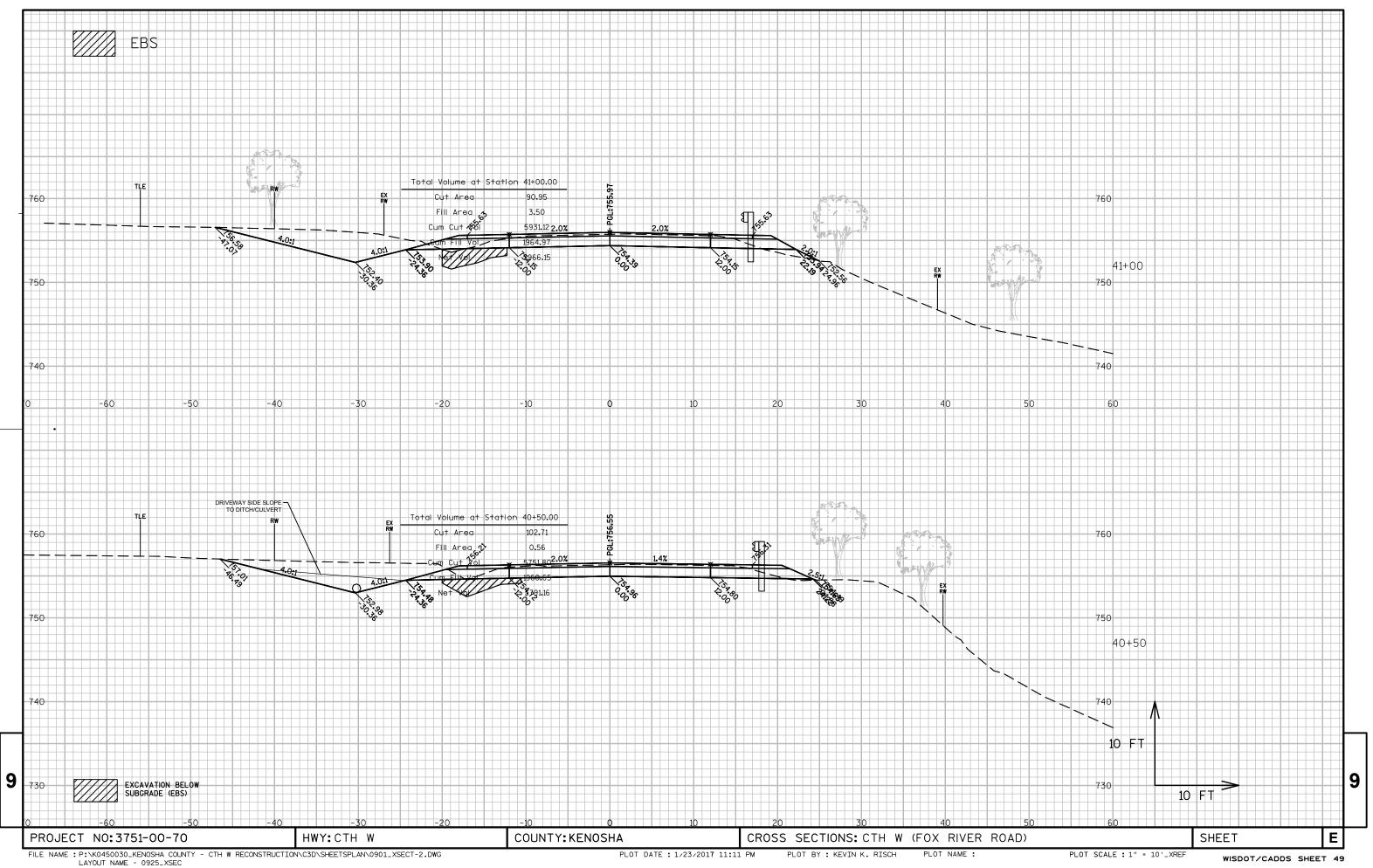


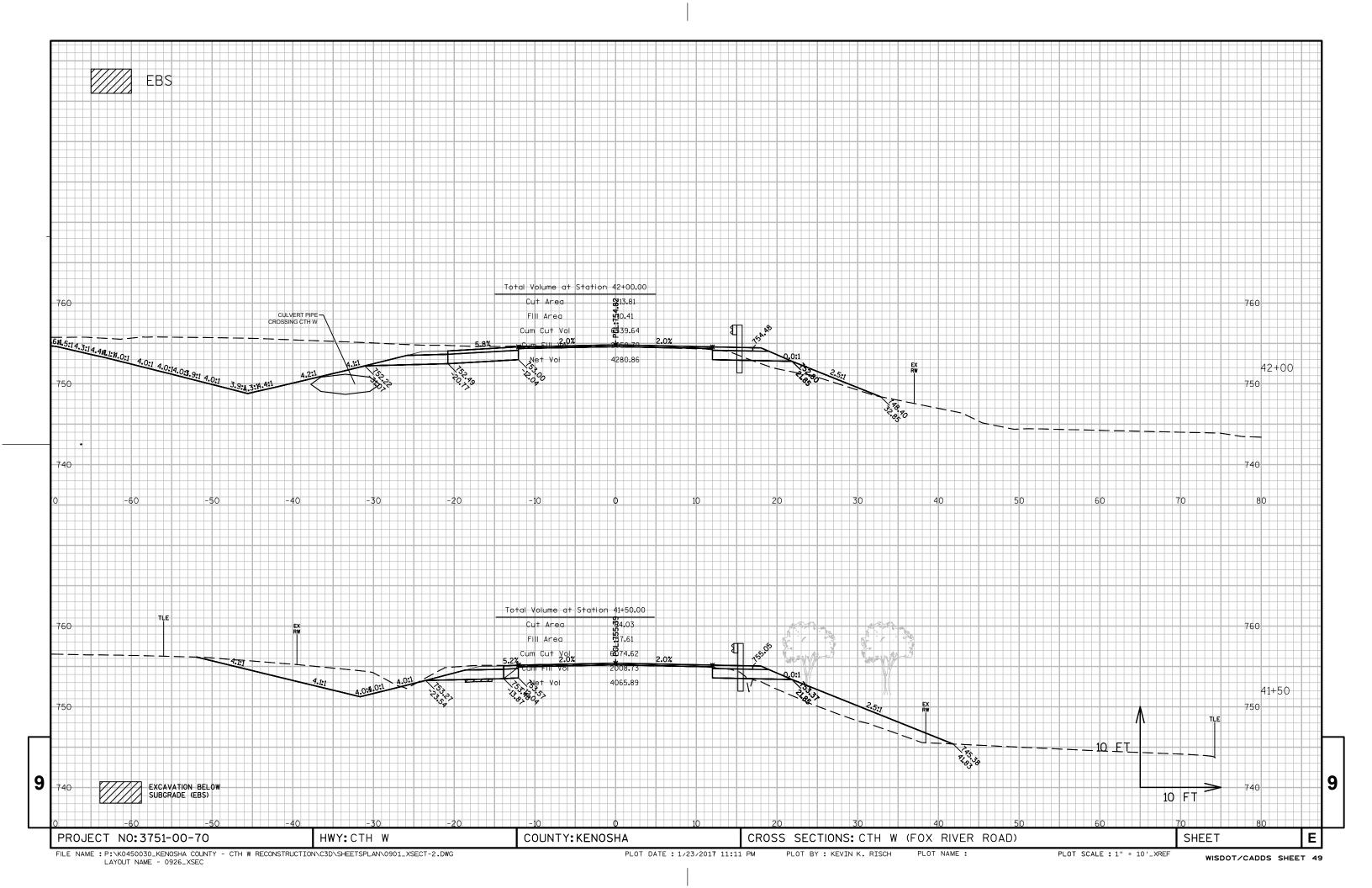


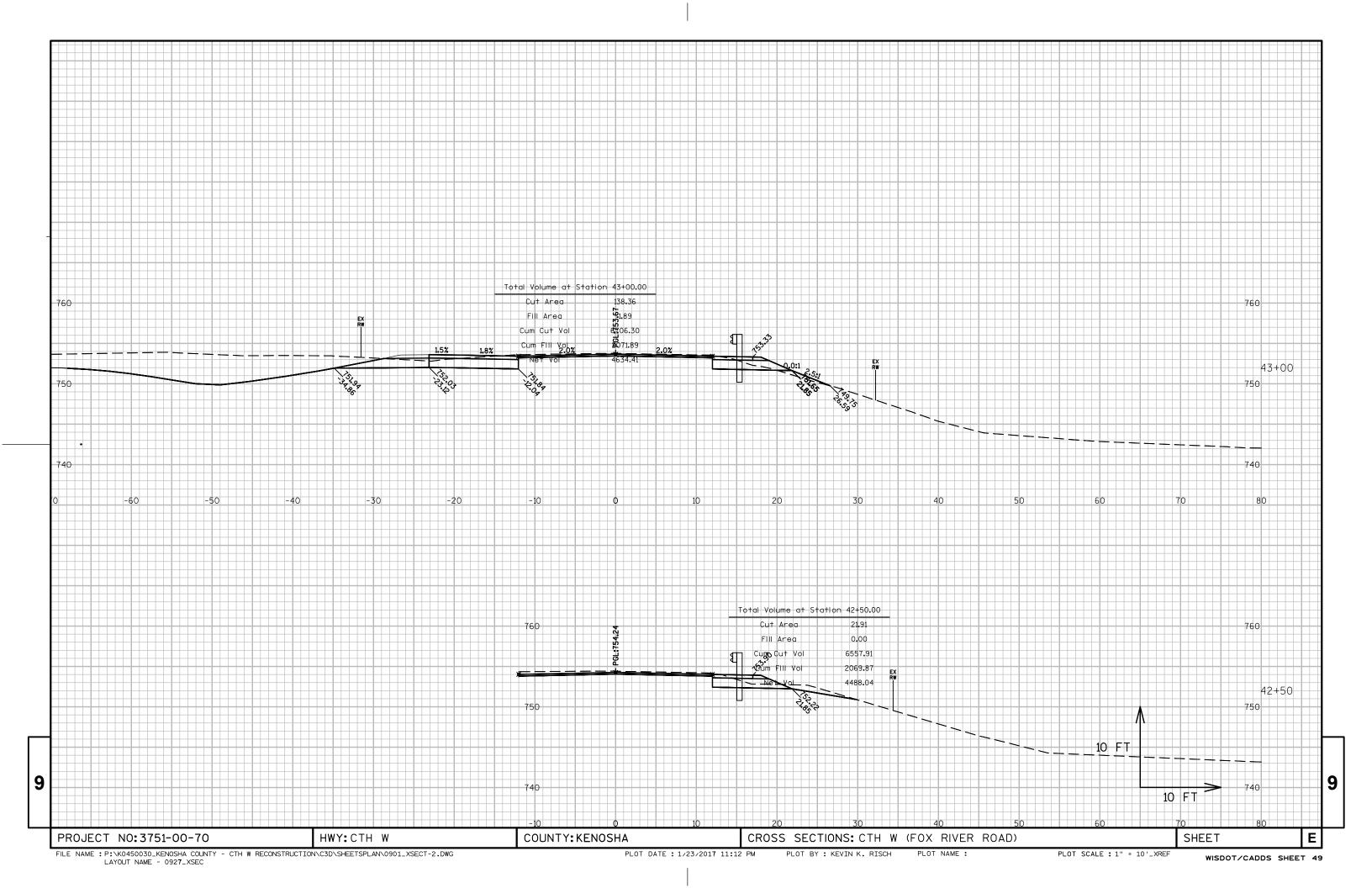


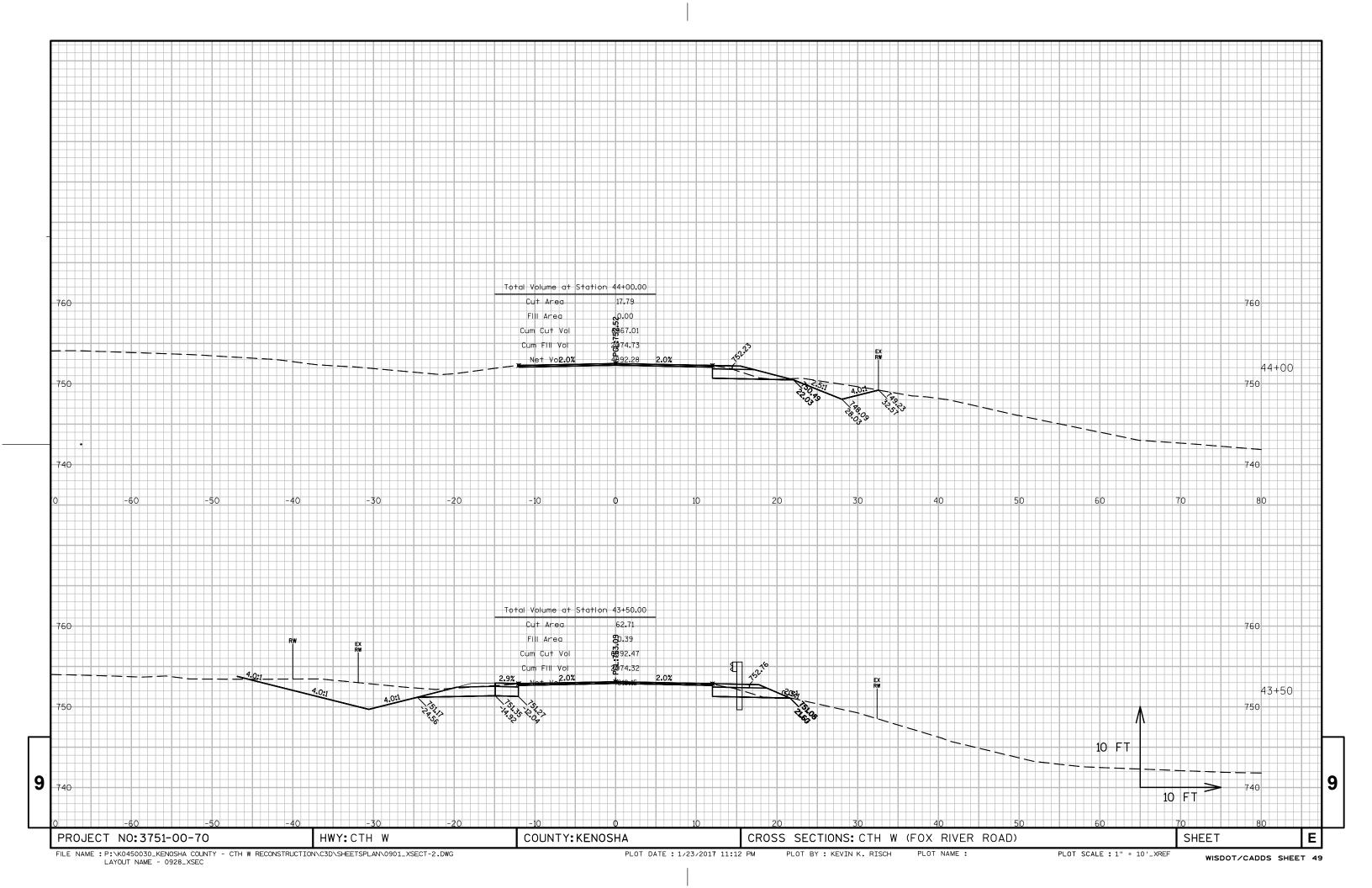


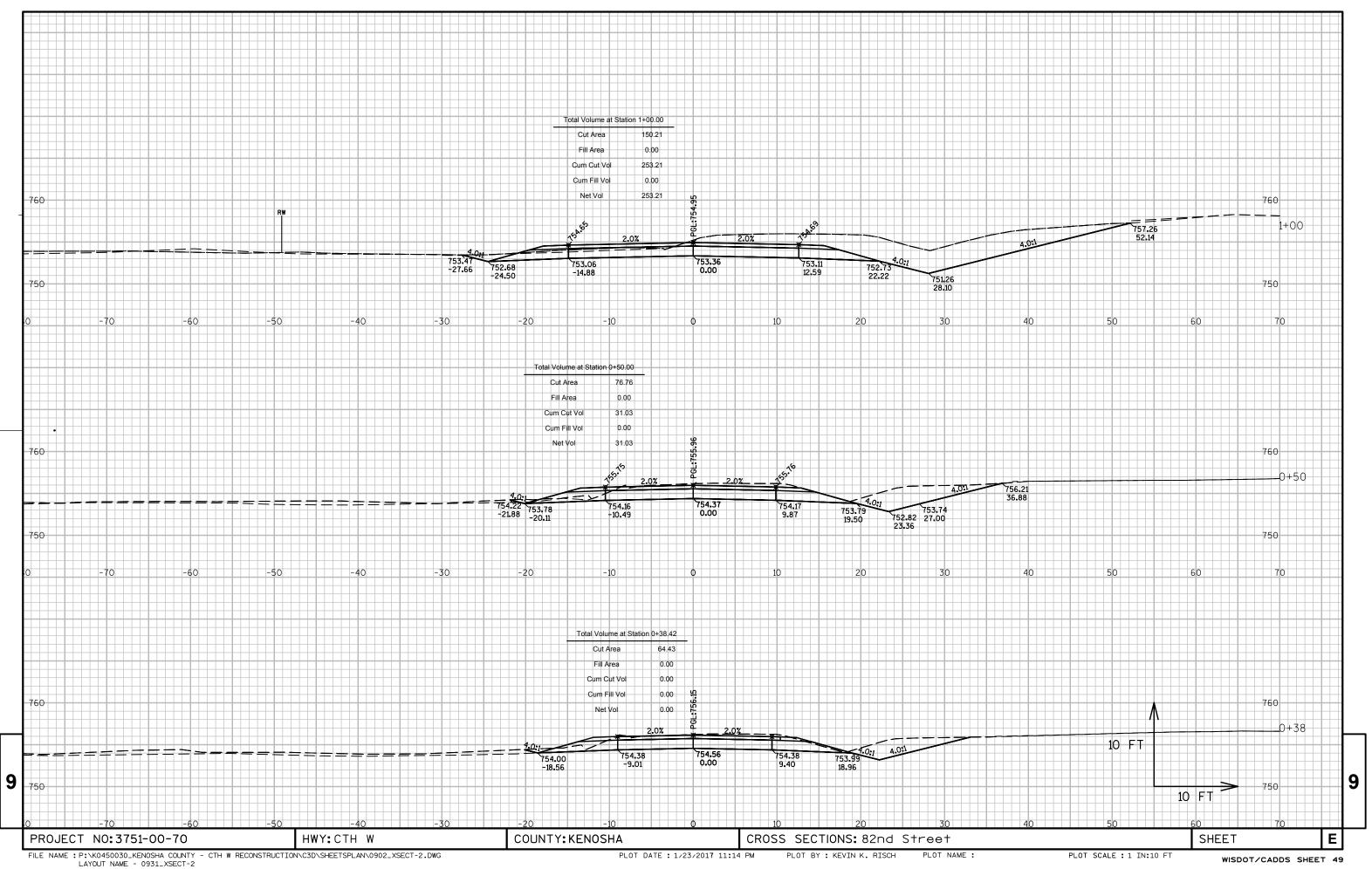


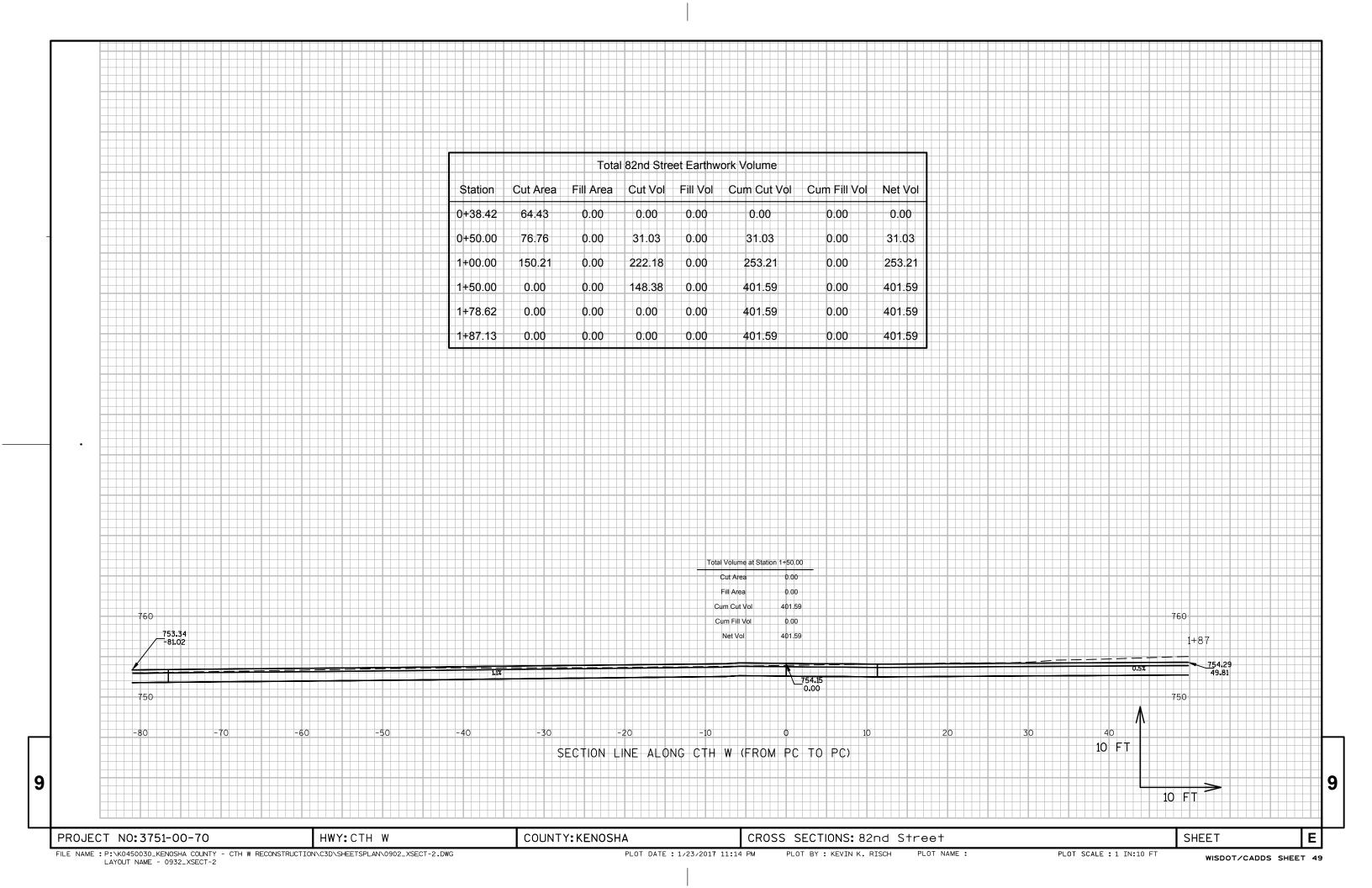














## Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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