SECTION NO.

SECTION NO.

TOTAL SHEETS =

DESIGN DESIGNATION

A.A.D.T. (2016) 4,600 A.A.D.T. (2036) 5,600 D.H.V. (2036) 705

T. (% OF ADT) 4.3%

CORPORATE LIMITS

PROPERTY LINE

LOT LINE

DESIGN SPEED 30 MPH

CONVENTIONAL SYMBOLS

LIMITED HIGHWAY EASEMENT

PROPOSED OR NEW R/W LINE

EXISTING RIGHT OF WAY

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT

COMBUSTIBLE FLUIDS

MAR 2016 ORDER OF SHEETS

TYPICAL SECTIONS AND DETAILS ESTIMATE OF QUANTITIES MISCELLANEOUS QUANTITIES

COMPUTER EARTHWORK DATA

PLAN AND PROFILE STANDARD DETAIL DRAWINGS

212

STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

V KIMBERLY, KIMBERLY AVENUE

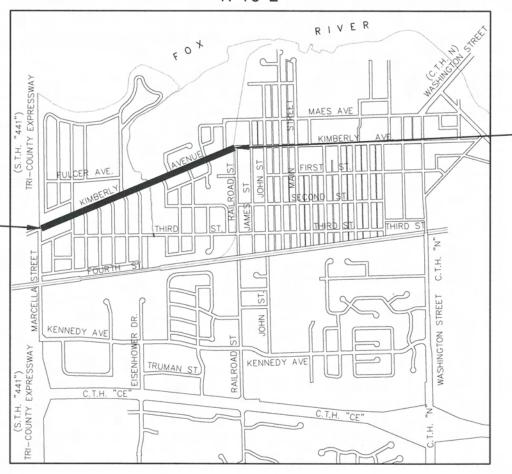
MARCELLA ST TO RAILROAD ST

LOCAL STREET

OUTAGAMIE COUNTY

STATE PROJECT NUMBER 4989-00-19

R-18-E



ACCEPTED FOR VILLAGE, OF KIMBERLY

FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2016062

STATE PROJECT

4989-00-19

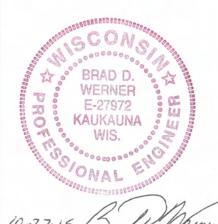
END PROJECT

STA. 53 + 53.29

Y= 566073.04 X= 845050.70

Street Commission

ORIGINAL PLANS PREPARED BY



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY SLIBVEYOR

McMAHON MANAGEMENT CONSULTANT __JT-ENGINEERING

APPROVED FOR THE DEPARTMENT

BEGIN PROJECT

STA. 10+61.40

Y= 564488.12

X= 841062.17

-"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM," OUTAGAMIE COUNTY

PLOT SCALE :

MANAGEMENT CONSULTANT SIGNATURE

MARSH AREA WOODED OR SHRUB AREA

ORG DATE : ____

1000 FT 2000 FT

LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 0.813 MILES

jfrewerd, W:\PROJECTS\K0001\940141\02\01-Title\01 TiTLE SHEET.dwg, 01 title sheet, Plot Date: 10/27/2015 11:37 AM, xrefs:none

PROFILE

GRADE LINE ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

ELECTRIC

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

STORM SEWER

TELEPHONE WATER

POWER POLE

GRADE ELEVATION

CULVERT (Profile View)

MARSH OR ROCK PROFILE

(To be noted as such)

WISDOT/CADDS SHEET 10

E

T-21-N

GENERAL NOTES

BEARINGS AND COORDINATES SHOWN ON THIS PLAN ARE REFERENCED TO THE OUTAGAMIE COUNTY COORDINATE SYSTEM, DISTANCES SHOWN ARE GROUND DISTANCES.

ELEVATIONS ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 WITH 2007 ADJUSTMENT (NAVD88(07)).

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE AND ARE BASED ON UTILITY LOCATES OBTAINED FROM THE UTILITIES WHEN THE SURVEY DATA WAS COLLECTED PRIOR TO THE FINAL DESIGN OF THE PROJECT. IT IS ANTICIPATED THAT UTILITY FACILITIES WILL BE RELOCATED AS PART OF THIS PROJECT AS DESCRIBED IN THE SPECIAL PROVISIONS. LOCATIONS OF THE EXISTING AND NEW SANITARY SEWER AND WATER MAIN FACILITIES ARE SHOWN ON THE PLAN SHEETS (RECENTLY ABANDONED FACILITIES ARE NOT SHOWN). ALL OTHER PROPOSED RELOCATED UTILITIES ARE NOT SHOWN ON THE PLAN SHEETS. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT LIMITS THAT ARE NOT SHOWN ON THE PLAN SHEETS.

THE EXACT LOCATION OF ALL EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE EXACT LIMITS OF CONCRETE, ASPHALT, OR GRAVEL SURFACES REMOVAL AND REPLACEMENT ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

EXCAVATION BELOW SUBGRADE (EBS) AREAS ARE CALLED OUT AS UNDISTRIBUTED ON THE PLAN QUANTITIES FOR COMMON EXCAVATION. THESE AREAS ARE TO BE BACKFILLED WITH BREAKER RUN. EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

PIPE ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

THE REMOVAL OF CONCRETE DRIVEWAYS WILL BE MEASURED AND PAID FOR AS REMOVING PAVEMENT. THE REMOVAL OF SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY WILL BE PAID FOR AS REMOVING PAVEMENT. THE REMOVAL OF ASPHALTIC DRIVEWAY APRONS AND ASPHALTIC DRIVEWAYS BEHIND THE SIDEWALK WILL BE PAID FOR AS COMMON EXCAVATION.

PROPOSED CONCRETE SIDEWALK THROUGH DRIVEWAYS SHALL BE PAID FOR AS CONCRETE DRIVEWAY (SEE CONSTRUCTION DETAIL).

REMOVE ANY REINFORCEMENT AND MESH FOUND IN THE EXISTING CONCRETE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEM OF REMOVING PAVEMENT.

MULTIPLE TREES ARE PLANNED TO BE CLEARED BY OTHERS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PERFORM GRUBBING OF THE CLEARED TREES AS SHOWN ON THE PLANS. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
EROSION CONTROL
STORM SEWER
PAVEMENT MARKING AND SIGNING
TRAFFIC CONTROL
ALIGNMENT DETAILS

	HYDROLOGIC SOIL GROUP											
		A			В		С			D		
	SLOPE	RANGE (PERCENT)	SLOPE	SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)			
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .26	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	ASPHALT .70 – .95											
CONCRETE .8095												
BRICK .7080												
DRIVES, WALKS .7580												
ROOFS .7595												
GRAVEL ROADS, SHOULDERS .4060												
TOTAL PROJECT AREA = 7.51 ACRES												

TOTAL PROJECT AREA = 7.51 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 7.51 ACRES

DNR LIAISON

DEPARTMENT OF NATURAL RESOURCES 2984 SHAWANO AVE GREEN BAY, WI 54313

ATTENTION: MATT SCHAEVE (920) 366-1544 MATTHEW.SCHAEVE@WISCONSIN.GOV

UTILITIES

AT&T JOSEPH KASSAB 221 W. WASHINGTON AVENUE APPLETON, WI 54911 (920) 735–3206 JK572@ATT.COM

TIME WARNER CABLE VINCE ALBIN 3520 DESTINATION DRIVE APPLETON, WI 54915 (920) 831-9249 VINCE.ALBIN@TWCABLE.COM

WE ENERGIES - ELECTRIC KENNETH VAN OSS P.O. BOX 1699 APPLETON, WI 54912 (920) 380-3318 KENNETH.VAN-OSS@WE-ENERGIES.COM

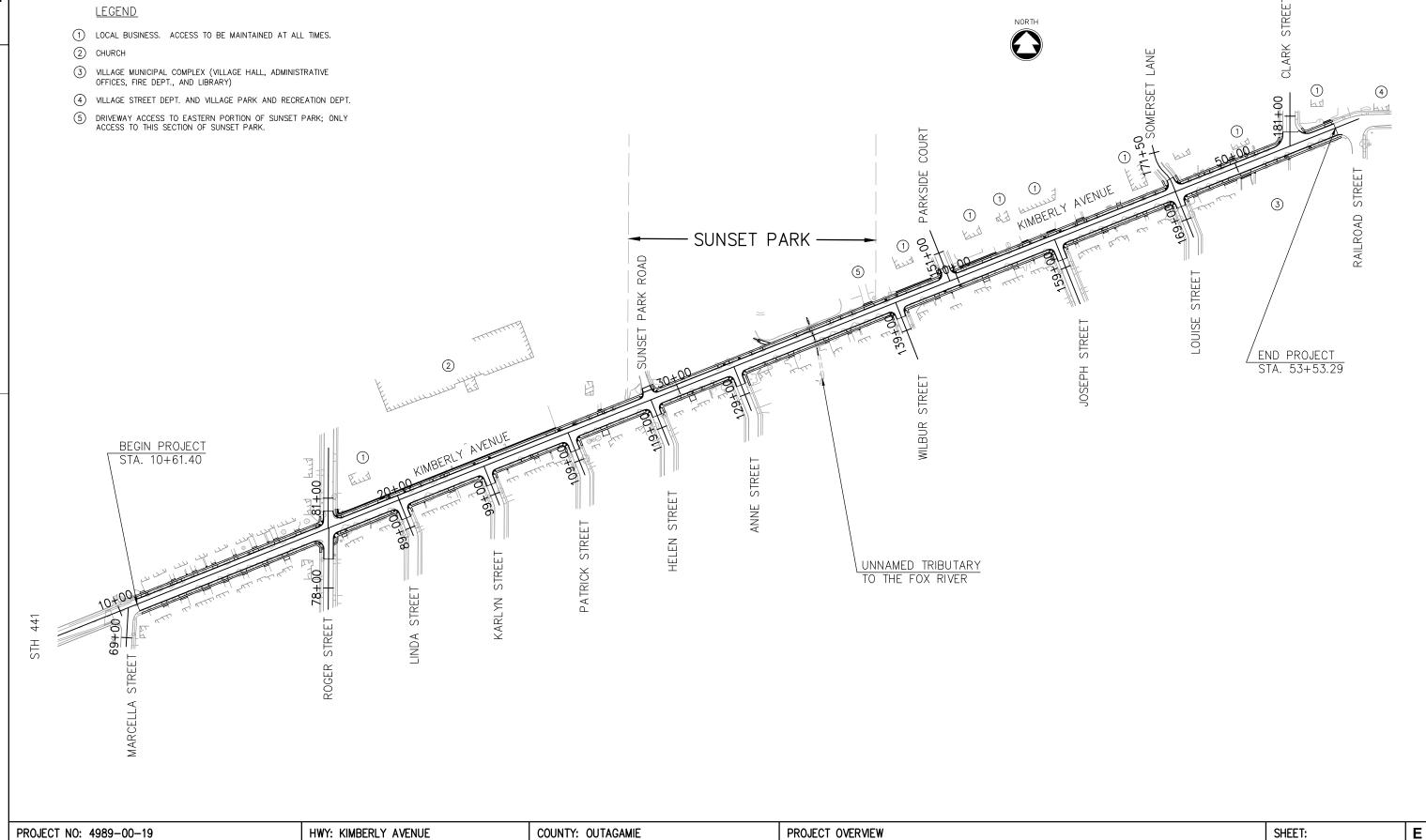
WE ENERGIES — GAS TOM BORCHART P.O. BOX 1699 APPLETON, WI 54912 (920) 380-3449 THOMAS.BORCHART@WE-ENERGIES.COM AMERICAN TRANSMISSION COMPANY DOUG VOSBERG 5303 FEN OAK DRIVE MADISON , WI 53718 (608) 877-7650 DVOSBERG@ATCLLC.COM

VILLAGE OF KIMBERLY - SANITARY SEWER DAVE VANDERVELDEN 426 W KIMBERLY AVENUE KIMBERLY, WI 54136 (920) 788-7507 DVANDERVELDEN@VOKIMBERLY.ORG

VILLAGE OF KIMBERLY — WATER JERRY VERSTEGEN P.O. BOX 2108 NEENAH, WI 54957 (920) 858-7477 JVERSTEGEN®MCO-US.COM

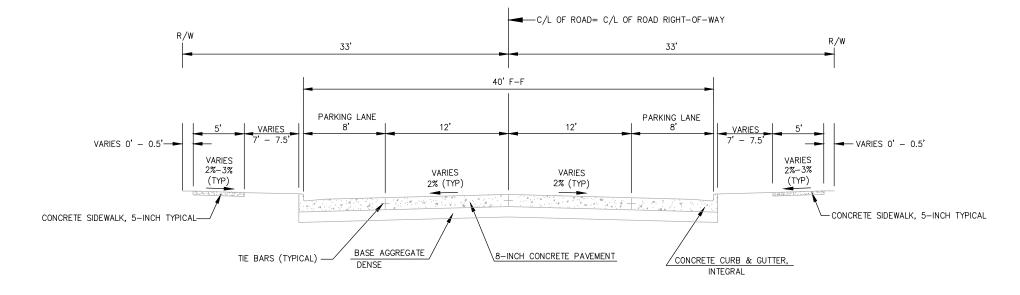


PROJECT NO: 4989-00-19 HWY: KIMBERLY AVENUE COUNTY: OUTAGAMIE GENERAL NOTES SHEET: E



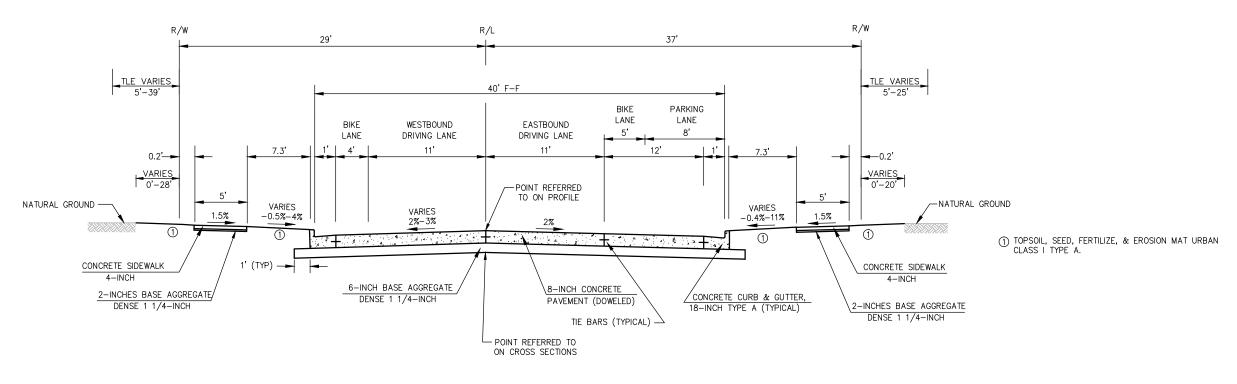
PROJECT NO: 4989-00-19

HWY: KIMBERLY AVENUE



NOTE: DUE TO EXTENSIVE UTILITY WORK, A LARGE PORTION OF THE EXISTING CONCRETE PAVEMENT HAS BEEN REMOVED AND REPLACED WITH APPROXIMATELY 4" ASPHALT PATCHING OVER BASE AGGREGATE.

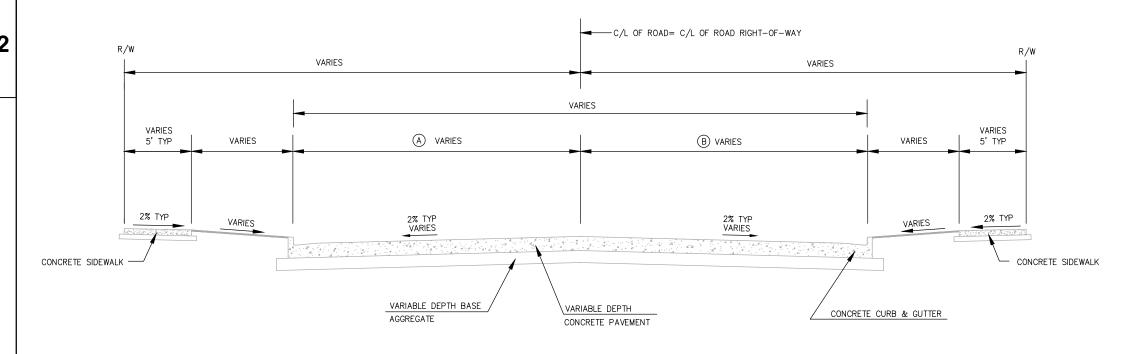
EXISTING TYPICAL CROSS SECTION FOR KIMBERLY AVE



PROPOSED TYPICAL CROSS SECTION FOR KIMBERLY AVENUE MARCELLA STREET TO RAILROAD STREET 10+61.40 TO 53+53.29

PROJECT N	0: 4989-00-19	HWY: KIMBERLY AVENUE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET:	E
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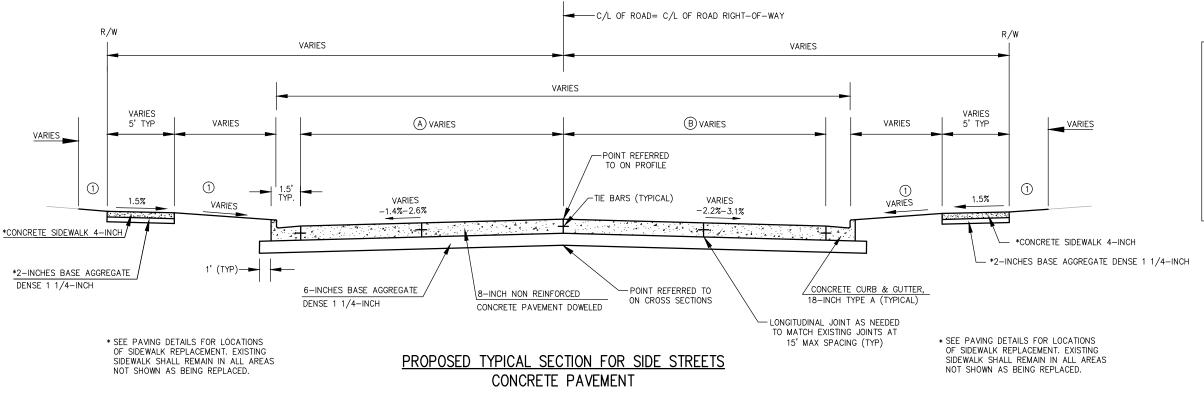


STREET NAME	A	В
ROGER ST. LINDA ST.	16' 16'	15.5' 16'
KARLYN ST.	16'	16'
PATRICK ST.	16'	16'
HELEN ST.	15.5'	15.5
ANNE ST.	16'	15.5'
WILBUR ST.	16'	15.5'
PARKSIDE CT.	16'	15.5'
JOSEPH ST.	16'	16'
LOUISE ST.	15.5'	15.5'
SOMERSET LA.	12.5'	12.5'
CLARK ST.	23.5'	30'

- NOTES:

 1. WIDTHS OF SIDE STREETS SHOWN ARE AT THE E.O.R.
- = DISTANCE FROM C/L TO FACE OF CURB

EXISTING TYPICAL SECTION FOR SIDE STREETS EXISTING CONCRETE PAVEMENT



(SEE PAVING DETAILS FOR PAVING LIMITS)

COUNTY: OUTAGAMIE

TYPICAL SECTIONS - SIDE STREETS

STREET NAME	A	В
ROGER ST. N	14.5'	15.7'
ROGER ST. S	15.5'	14.5
LINDA ST.	15'	15'
KARLYN ST.	15'	15'
PATRICK ST.	15'	15'
HELEN ST.	15'	15'
ANNE ST.	15'	14.5'
WILBUR ST.	16'	14.5
PARKSIDE CT.	15.5'	14.5'
JOSEPH ST.	15'	15'
LOUISE ST.	15'	15'
SOMERSET LA.	11'	12'
CLARK ST.	23'	29.6'

- 1. MATCH EXISTING JOINT SPACING, LONGITUDINAL JOINT SPACING SHALL NOT EXCEED 15-FT.
- 2. WIDTHS OF SIDE STREETS SHOWN ARE AT THE
- = DISTANCE FROM C/L TO GUTTER FLANGE
- 4. ① TOPSOIL, SEED, FERTILIZER AND EROSION MAT URBAN CLASS I TYPE A

jfrewerd, W:\PROJECTS\K0001\940141\02\02-Typical Sections\02 TYP.dwg, 02 typ, Plot Date: 12/16/2015 3:37 PM, xrefs:none

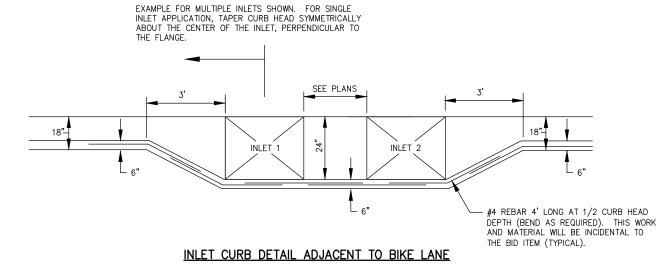
HWY: KIMBERLY AVENUE

PROJECT NO: 4989-00-19

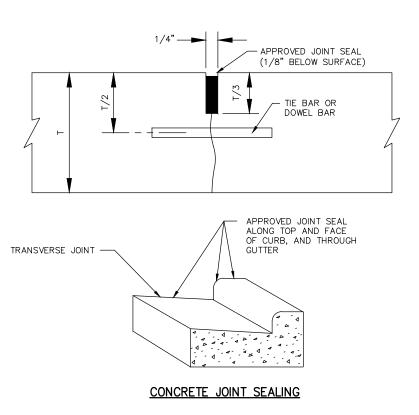
SHEET:

Ε



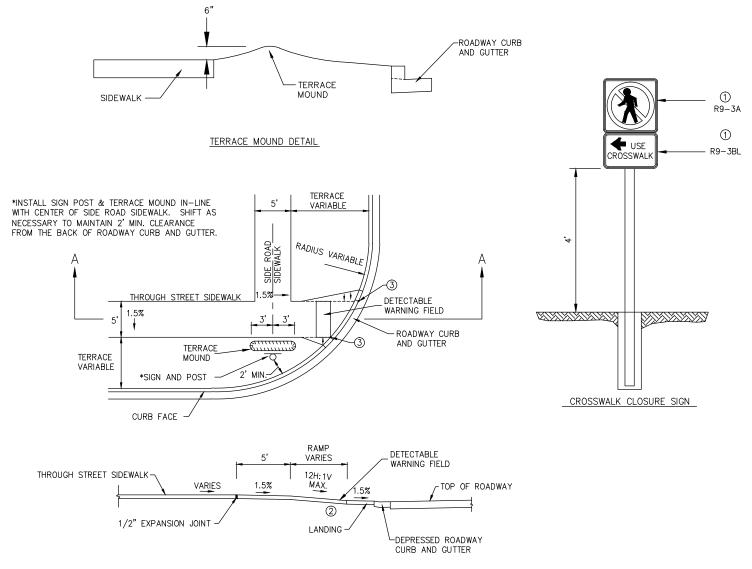


(CONCRETE CURB & GUTTER TO BE MEASURED AND PAID FOR AS CONCRETE CURB & GUTTER 18-INCH TYPE A)



HWY: KIMBERLY AVENUE

COUNTY: OUTAGAMIE



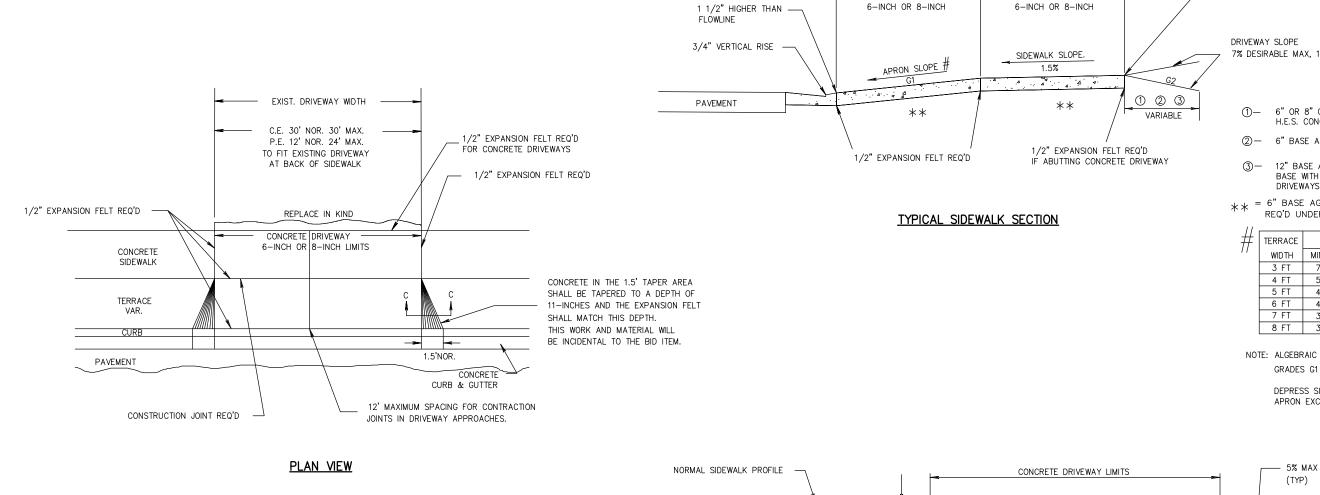
SECTION A-A

CURB RAMP TYPE 4B MODIFIED

- TREFER TO MISCELLANEOUS QUANTITIES SHEETS FOR LOCATION AND SIZES.
- ② REFER TO STANDARD DETAIL DRAWINGS FOR CURB RAMPS FOR ADDITIONAL INFORMATION.
- 3 THIS POINT IS AN EXTENSION OF THE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

PROJECT NO: 4989-00-19

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CONCRETE DRIVEWAY 6-INCH

COUNTY: OUTAGAMIE

SECTION C-C

HWY: KIMBERLY AVENUE

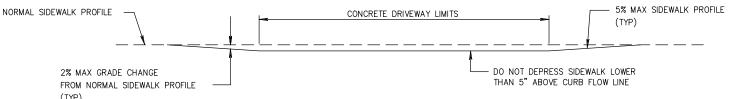
7% DESIRABLE MAX, 11% MAX ①- 6" OR 8" CONCRETE DRIVEWAY OR H.E.S. CONCRETE DRIVEWAY 2 - 6" BASE AGG. DENSE 1 1/4-INCH 3- 12" BASE AGG. DENSE 1 1/4-INCH BASE WITH 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES ** = 6" BASE AGG. DENSE 1 1/4-INCH REQ'D UNDER CONCRETE DRWY APRON SLOPE (G1) MIN % DESIRABLE % MAX % 7.0 9.0 7.0 5.0 9.0 5 FT 4.0 7.0 9.0 7.0 9.0 4.0 3.5 7.0 11.0 8 FT 3.0 7.0 11.0 NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT

POINT OF REFERENCE ON PROFILE

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGEN
GRADES G1 & G2 TO NOT EXCEED 15%

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE

SHEET:



CONCRETE DRIVEWAY

CONCRETE DRIVEWAY

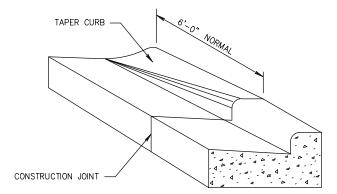
CONSTRUCTION DETAIL

DEPRESSED SIDEWALK PROFILE DETAIL

PROJECT NO: 4989-00-19

Ε

SHEET:

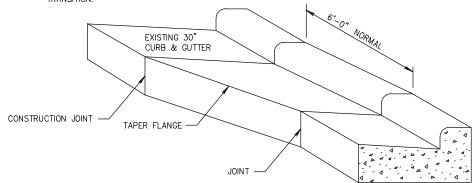


CURB & GUTTER TRANSITION TO MOUNTABLE

CONCRETE CURB & GUTTER 18-INCH TYPE A TO CONCRETE CURB & GUTTER MOUNTABLE (TO BE MEASURED AND PAID FOR AS CONCRETE CURB & GUTTER 18-INCH TYPE A)

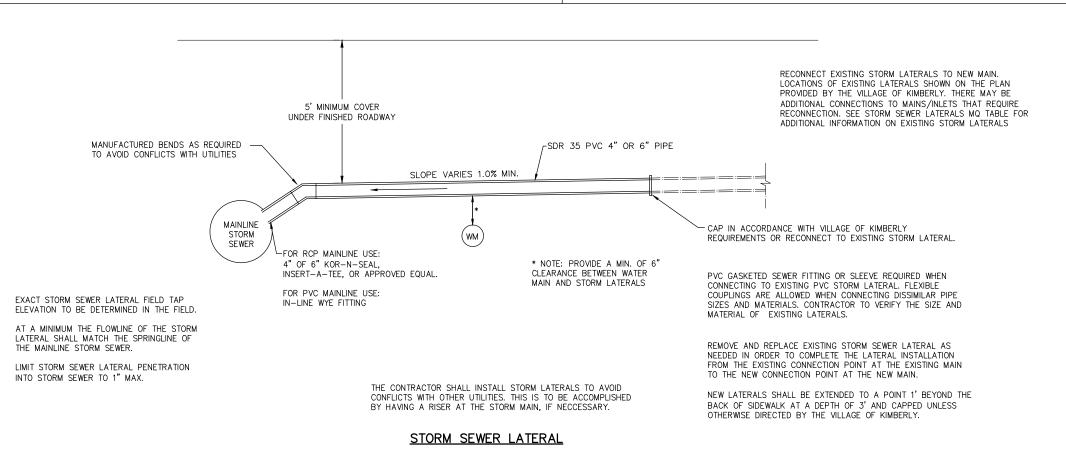
HWY: KIMBERLY AVENUE

NOTE:
MAINTAIN ADJACENT PAVEMENT SLOPE
FOR ADEQUATE RIDE QUALITY THROUGH
TRANSITION.



CURB & GUTTER TRANSITION TO 30-INCH

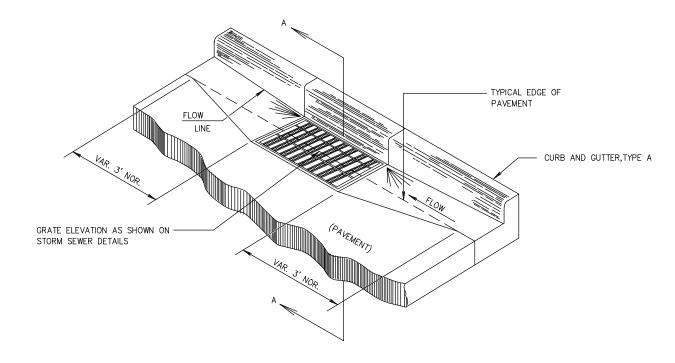
CONCRETE CURB & GUTTER 18-INCH TYPE A TO CONCRETE CURB & GUTTER 30-INCH TYPE A (TO BE MEASURED AND PAID FOR AS CONCRETE CURB & GUTTER 18-INCH TYPE A)

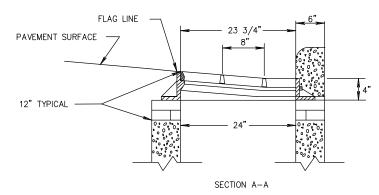


CONSTRUCTION DETAIL

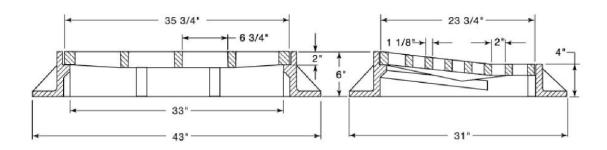
COUNTY: OUTAGAMIE

PROJECT NO: 4989-00-19



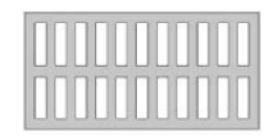


INLET CURB DETAIL NOT ADJACENT TO BIKE LANE

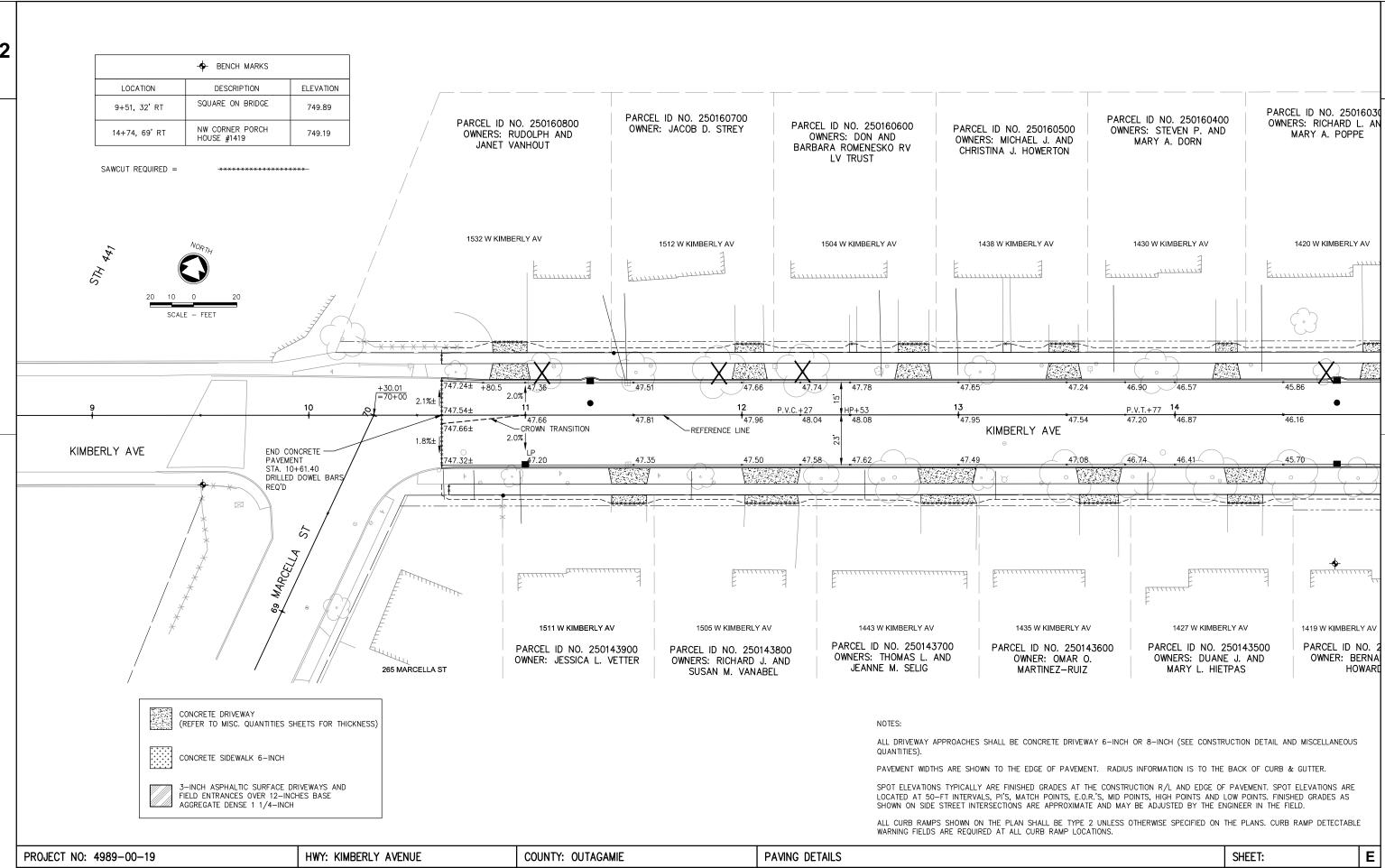


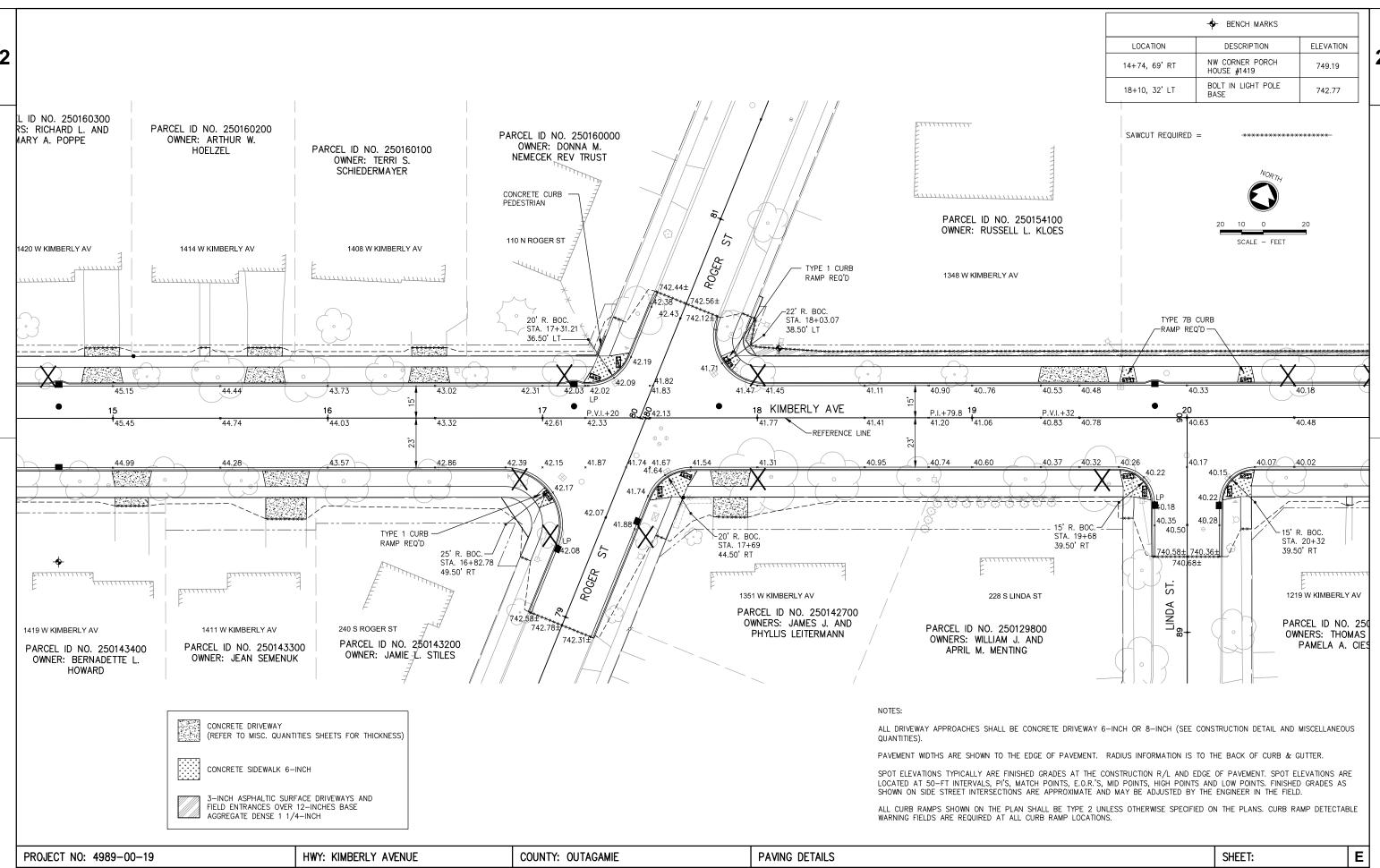


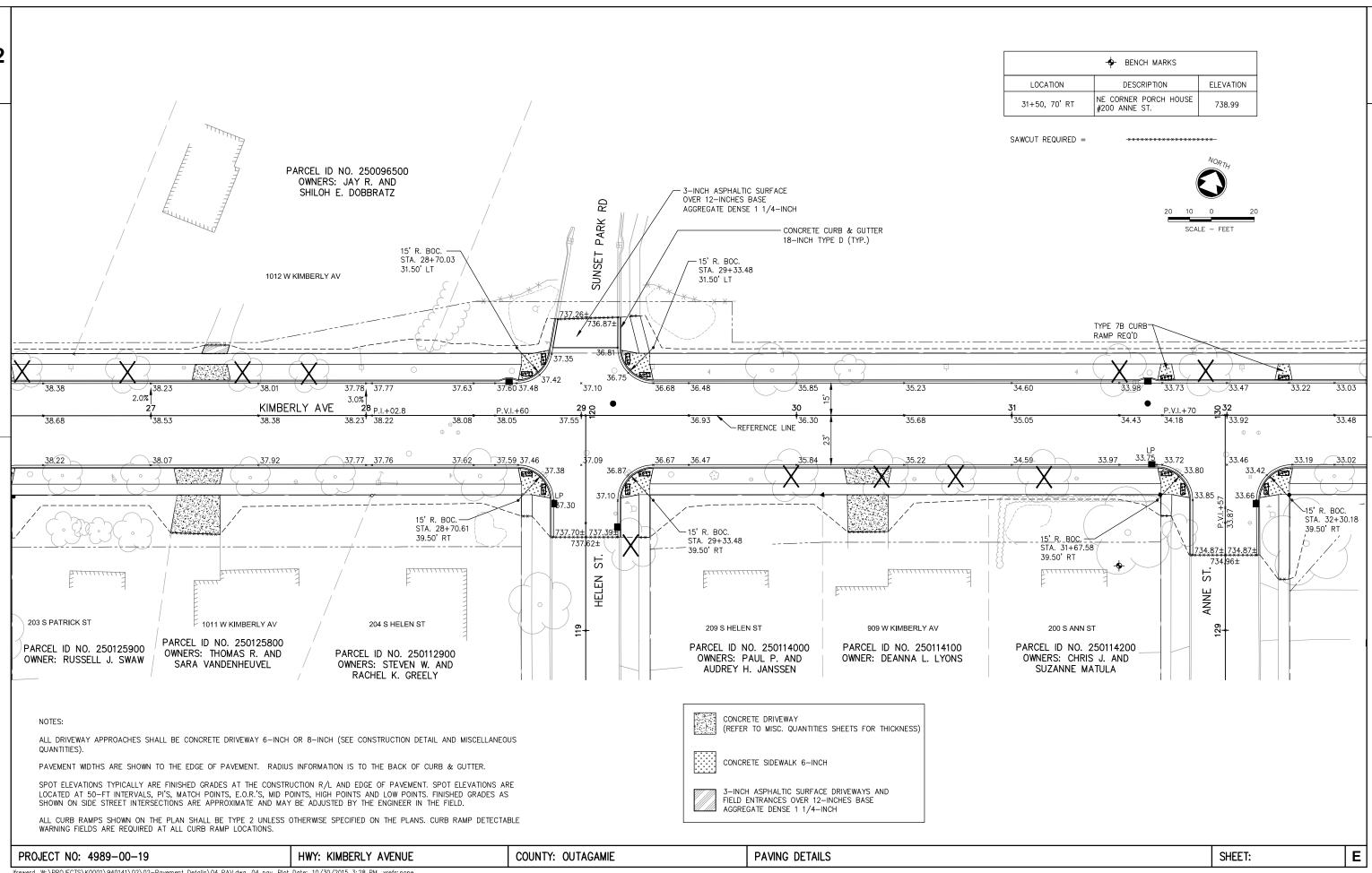
UTILIZE A BICYCLE SAFE GRATE (BELOW) WITH LONG DIMENSION OF THE OPENINGS ORIENTATED PERPENDICULAR TO TRAFFIC.

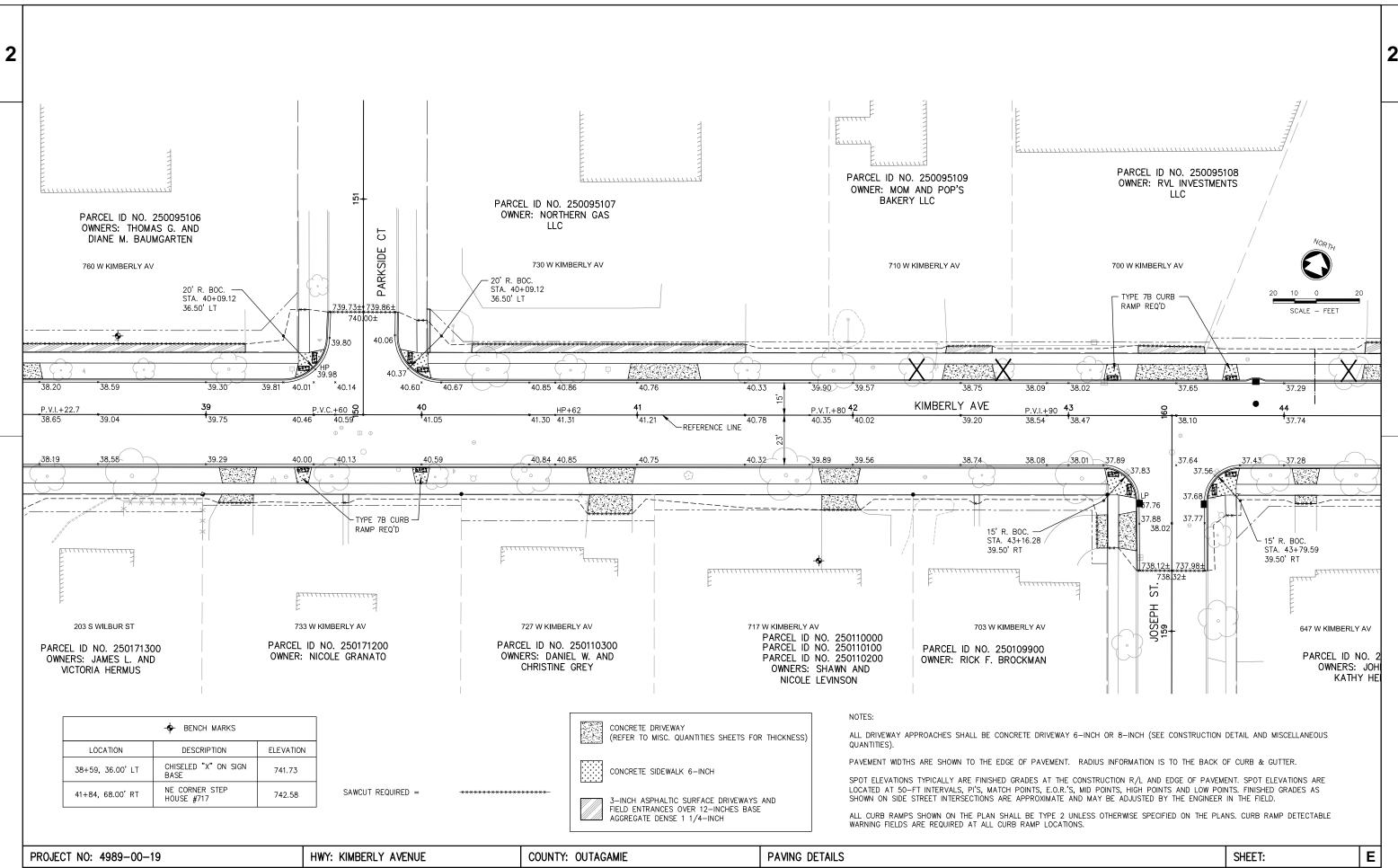


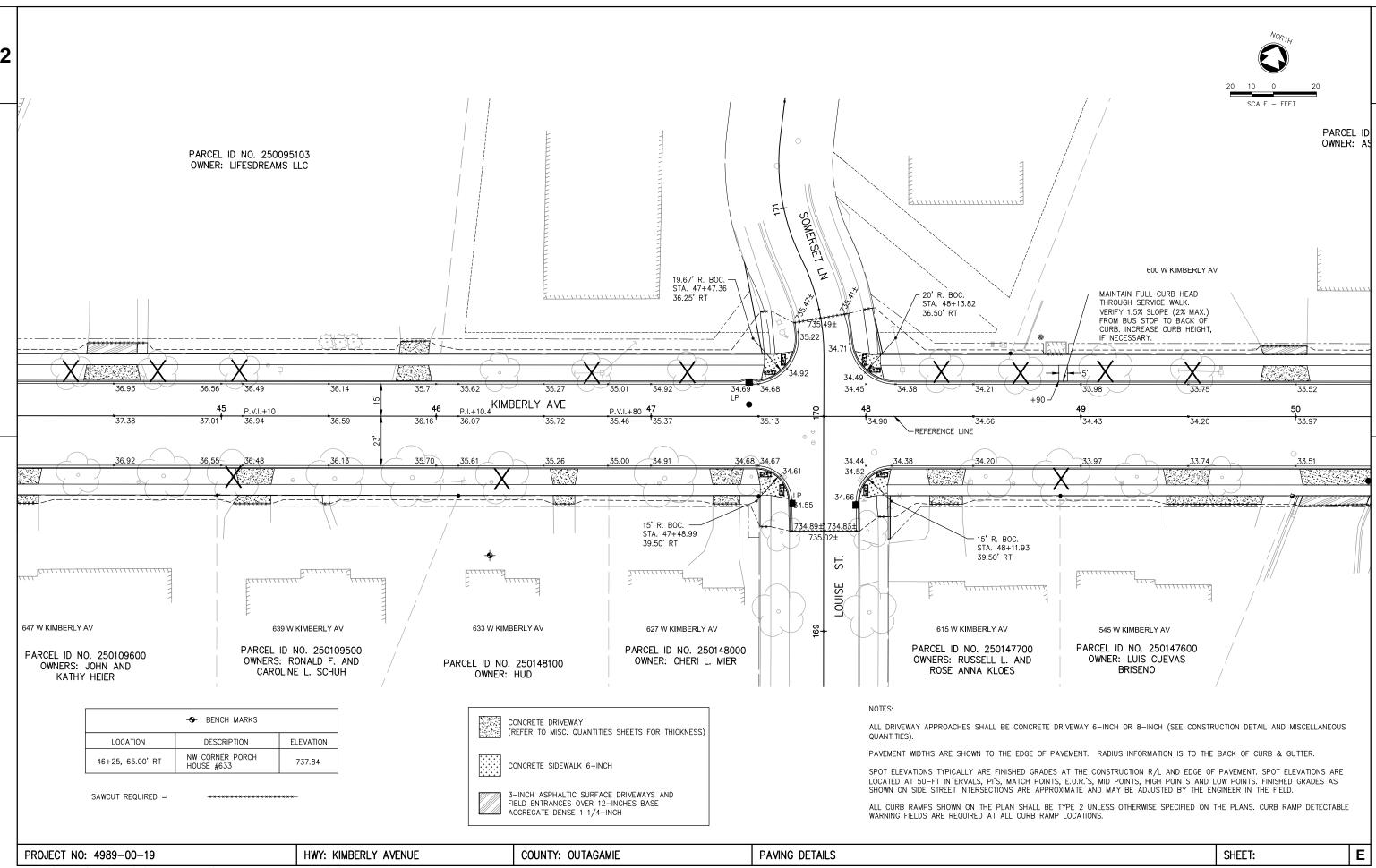
INLET COVER SPECIAL DETAIL

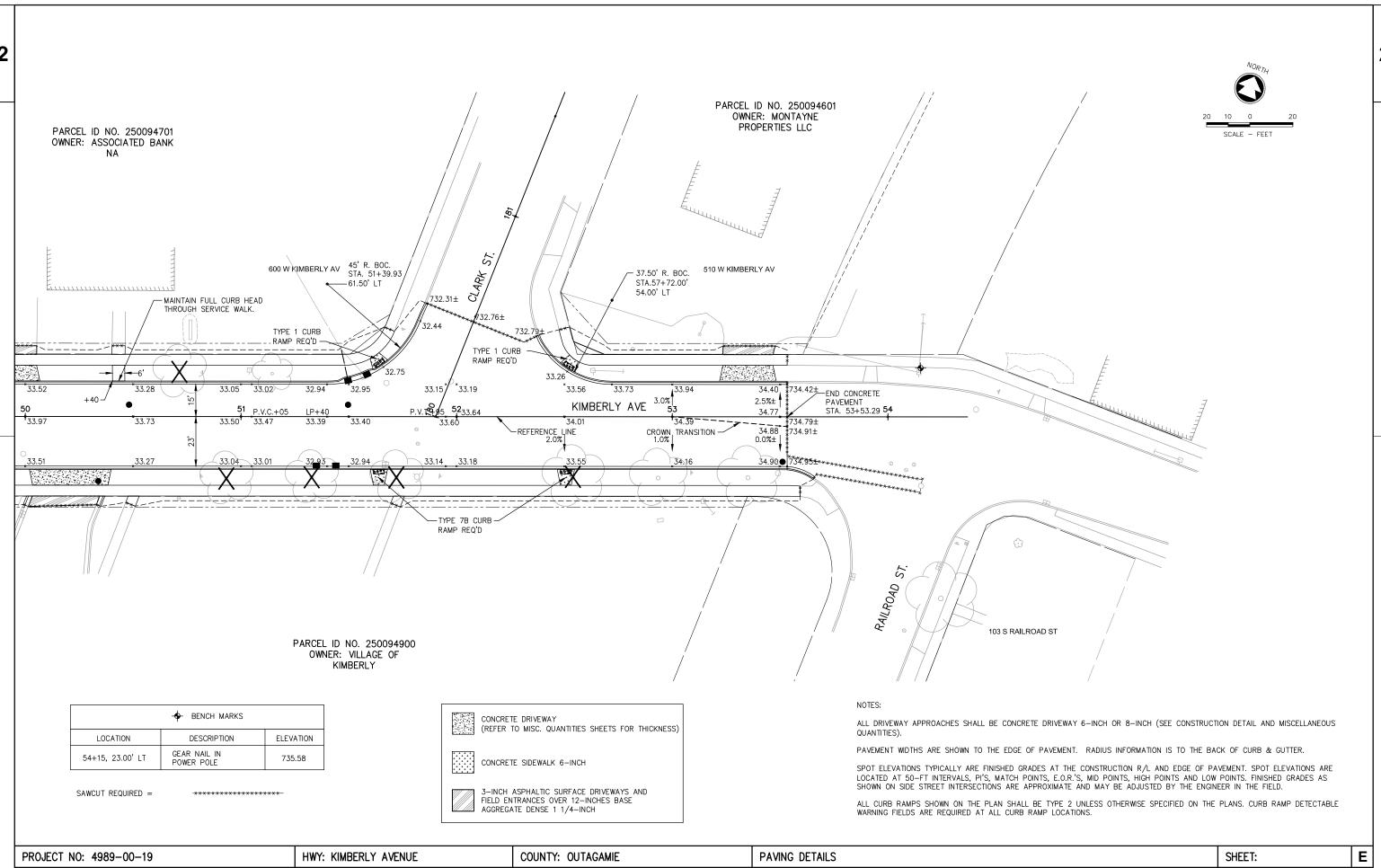


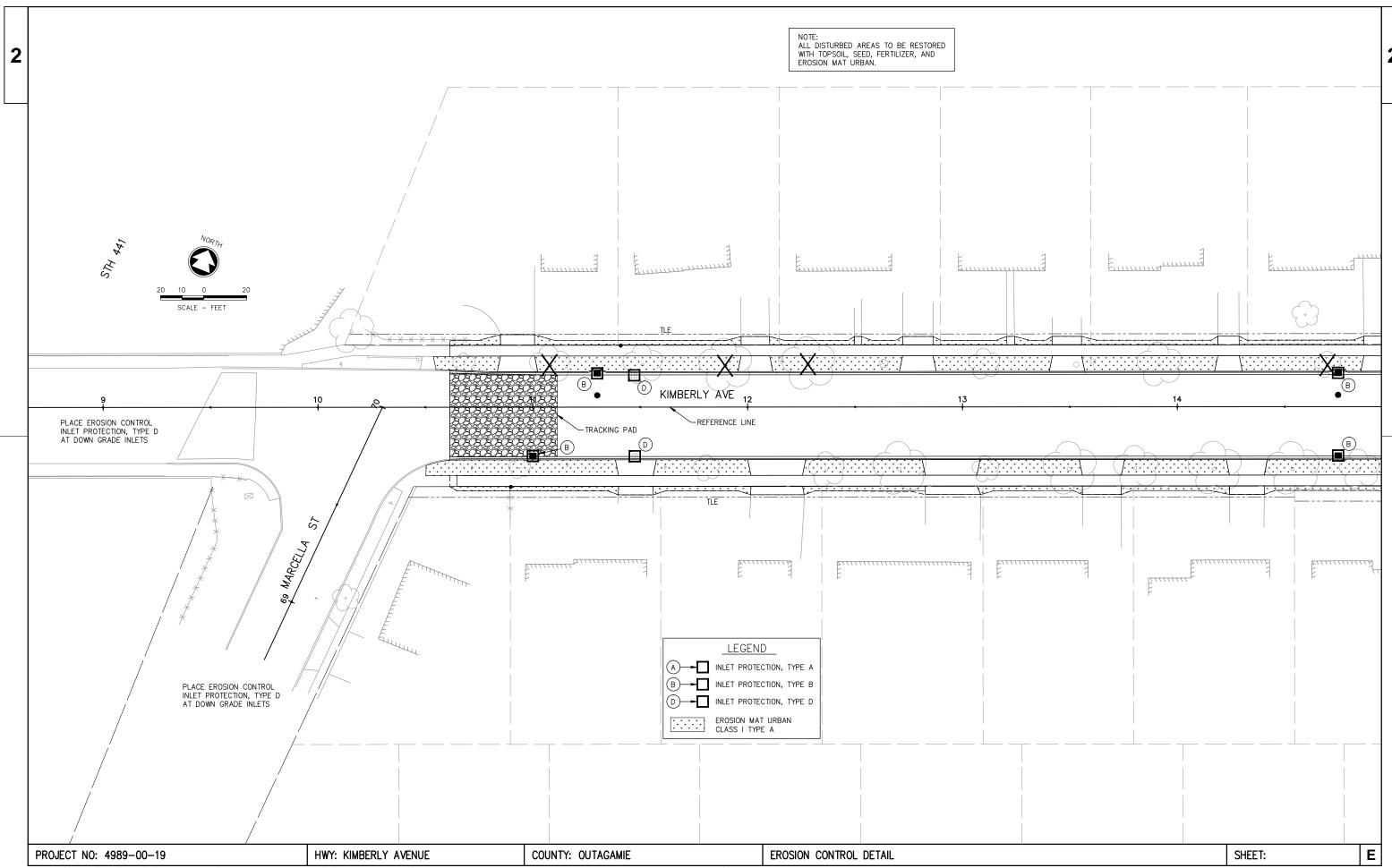


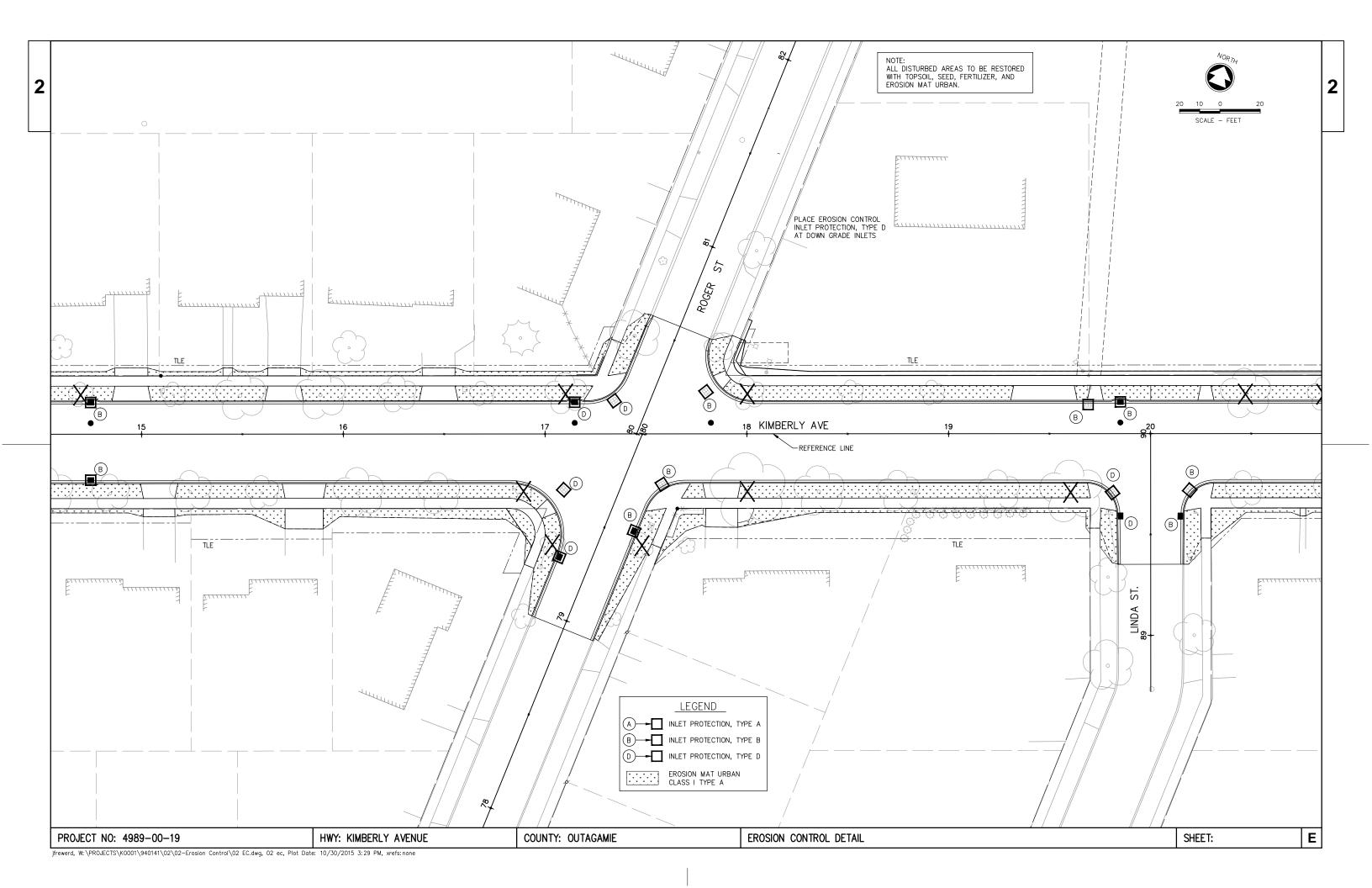


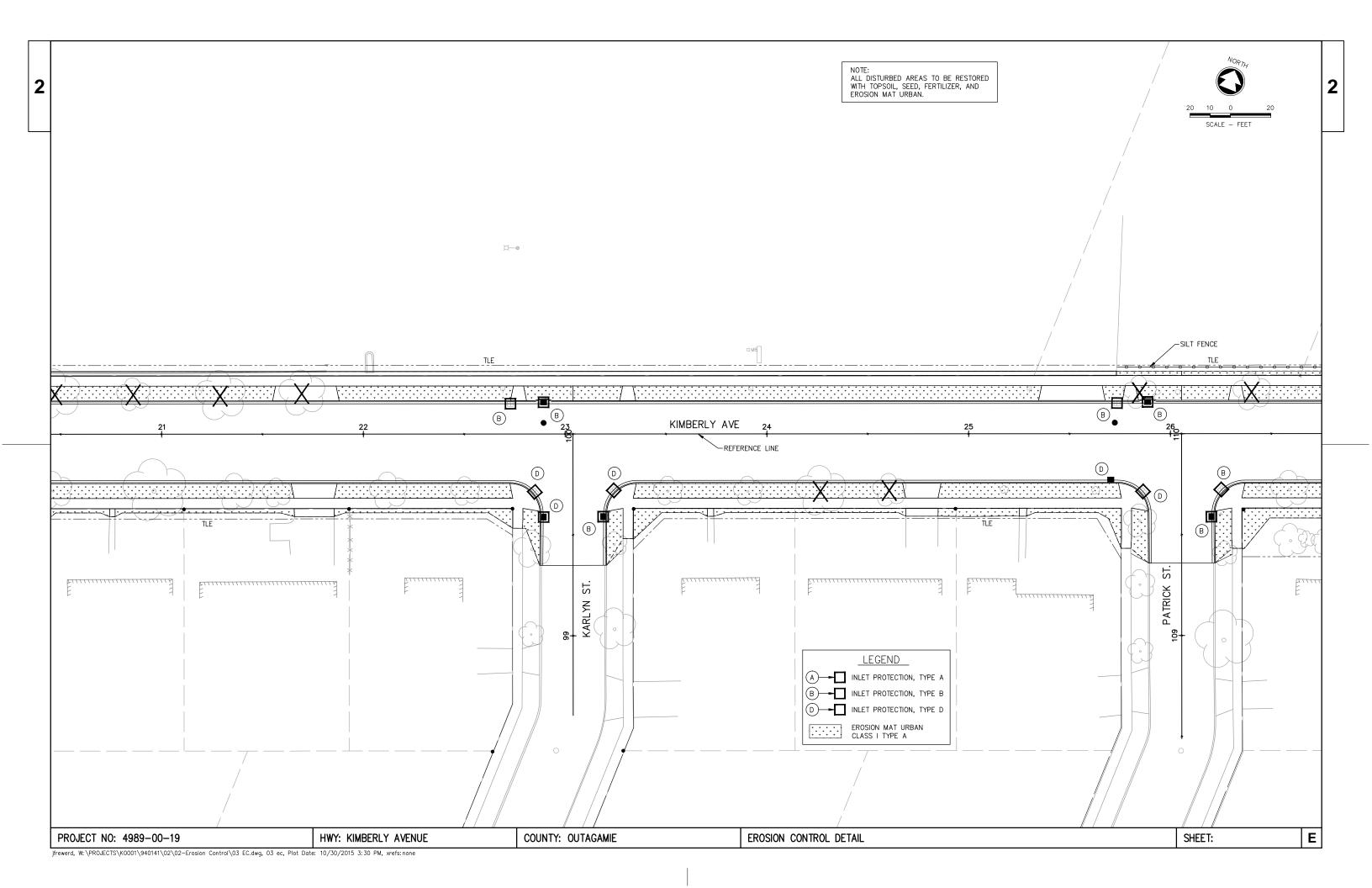


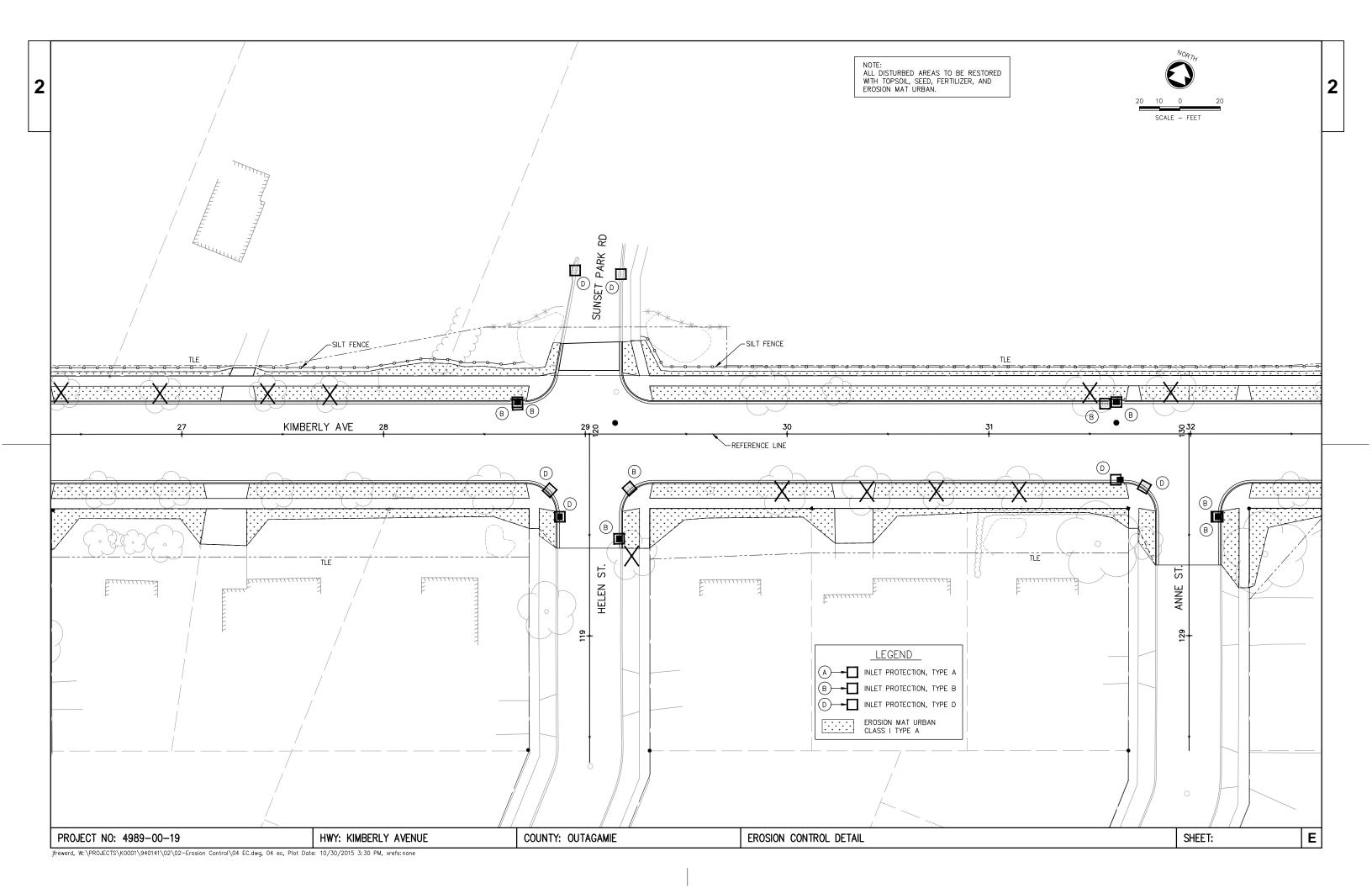


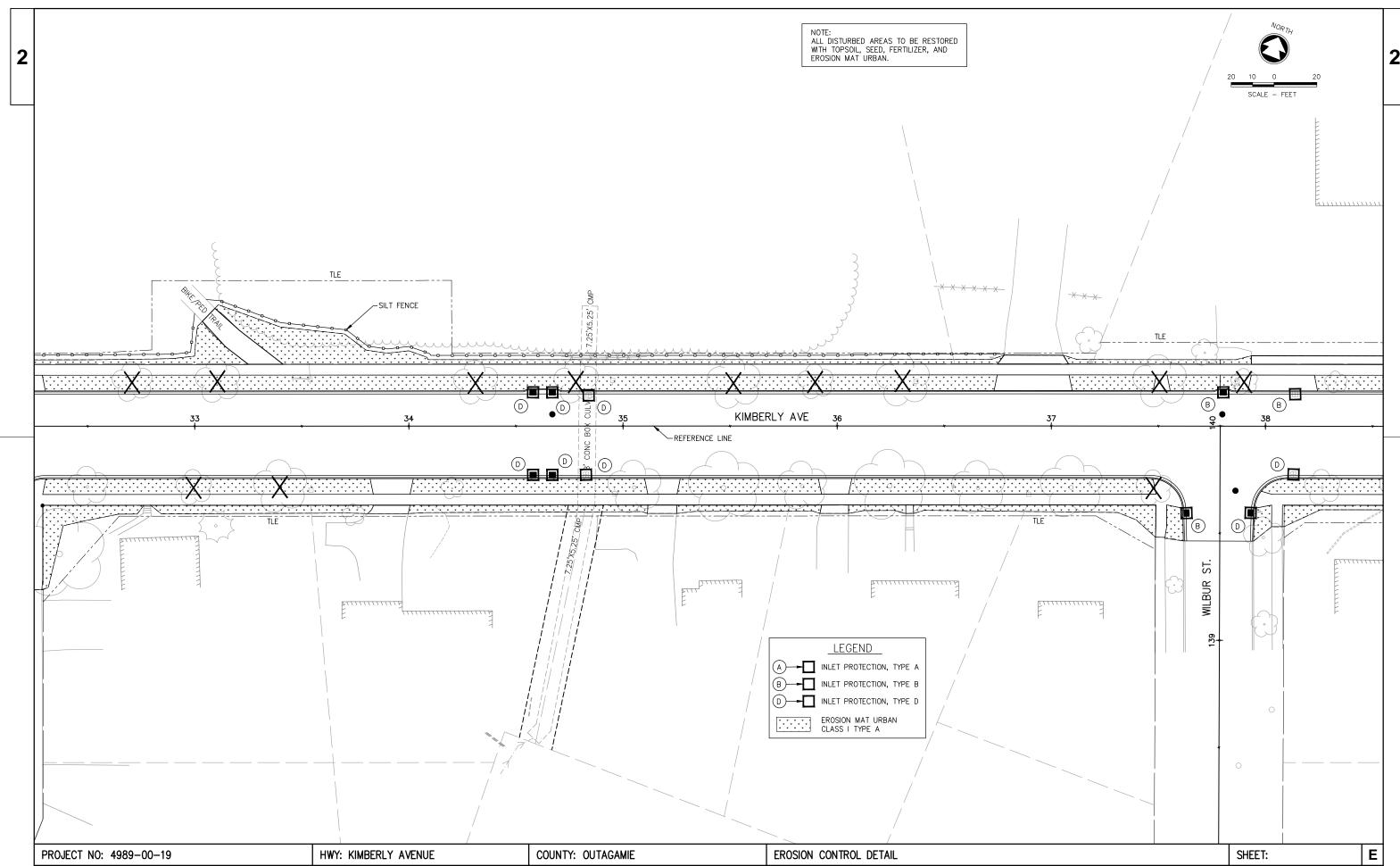


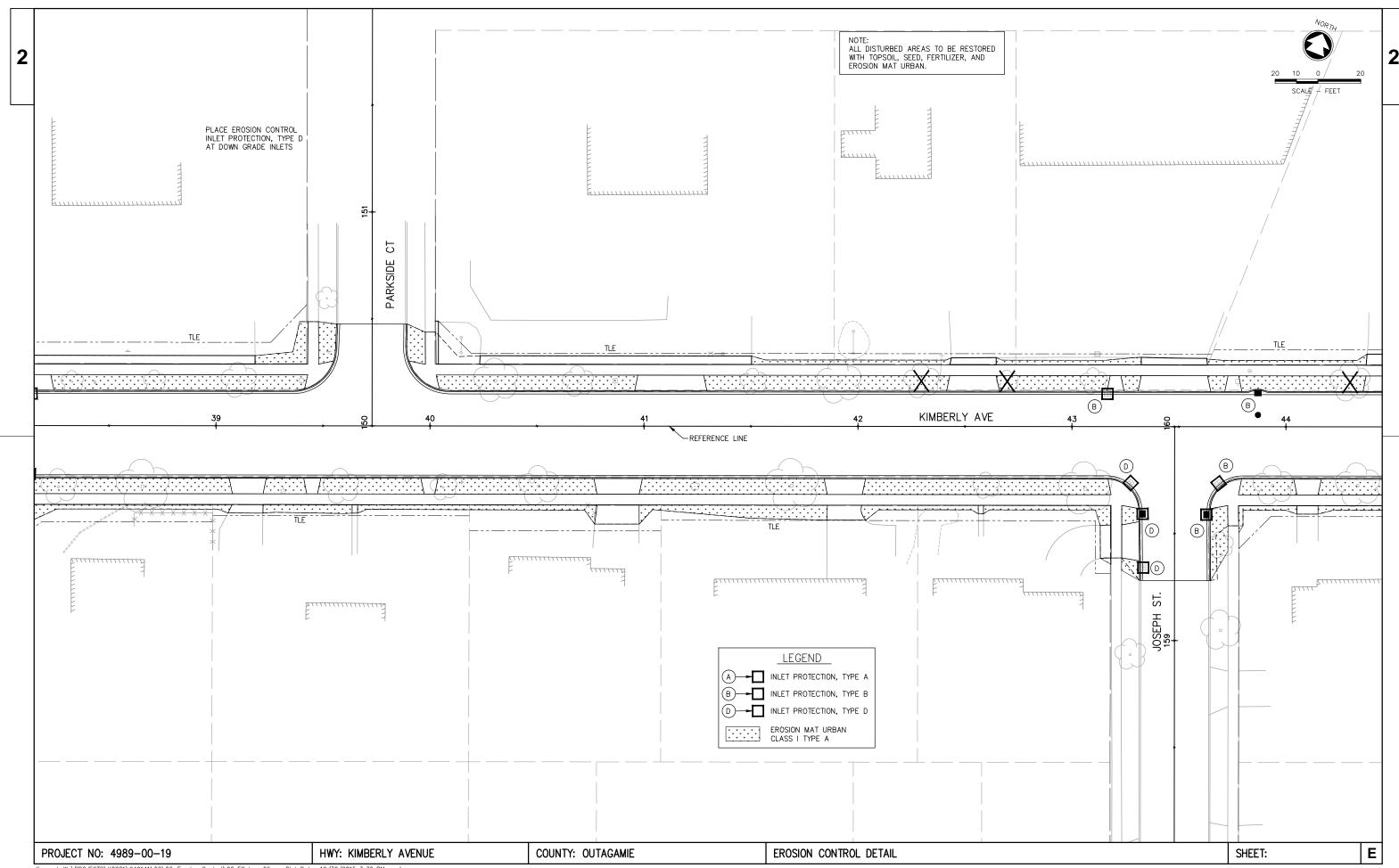


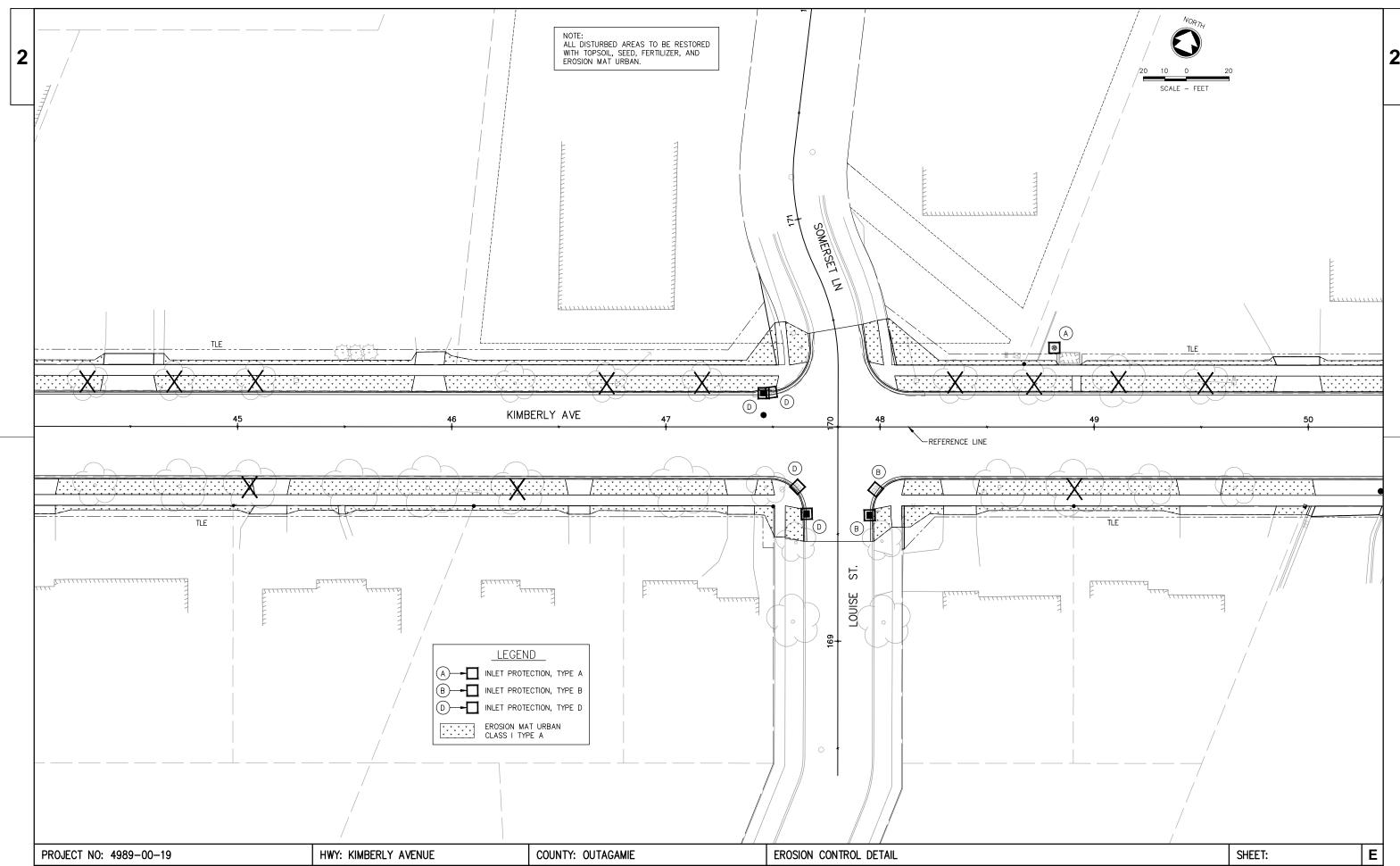


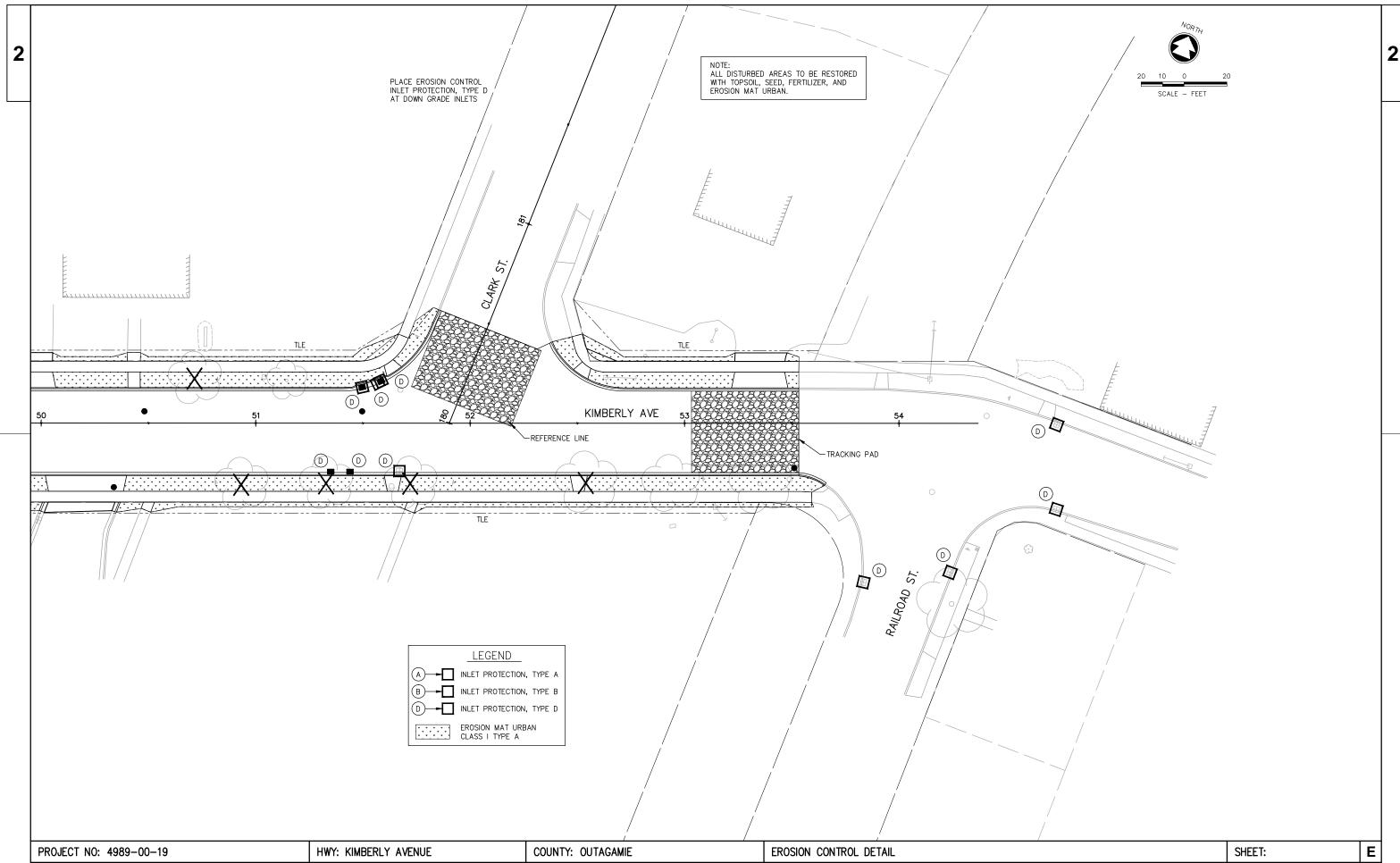


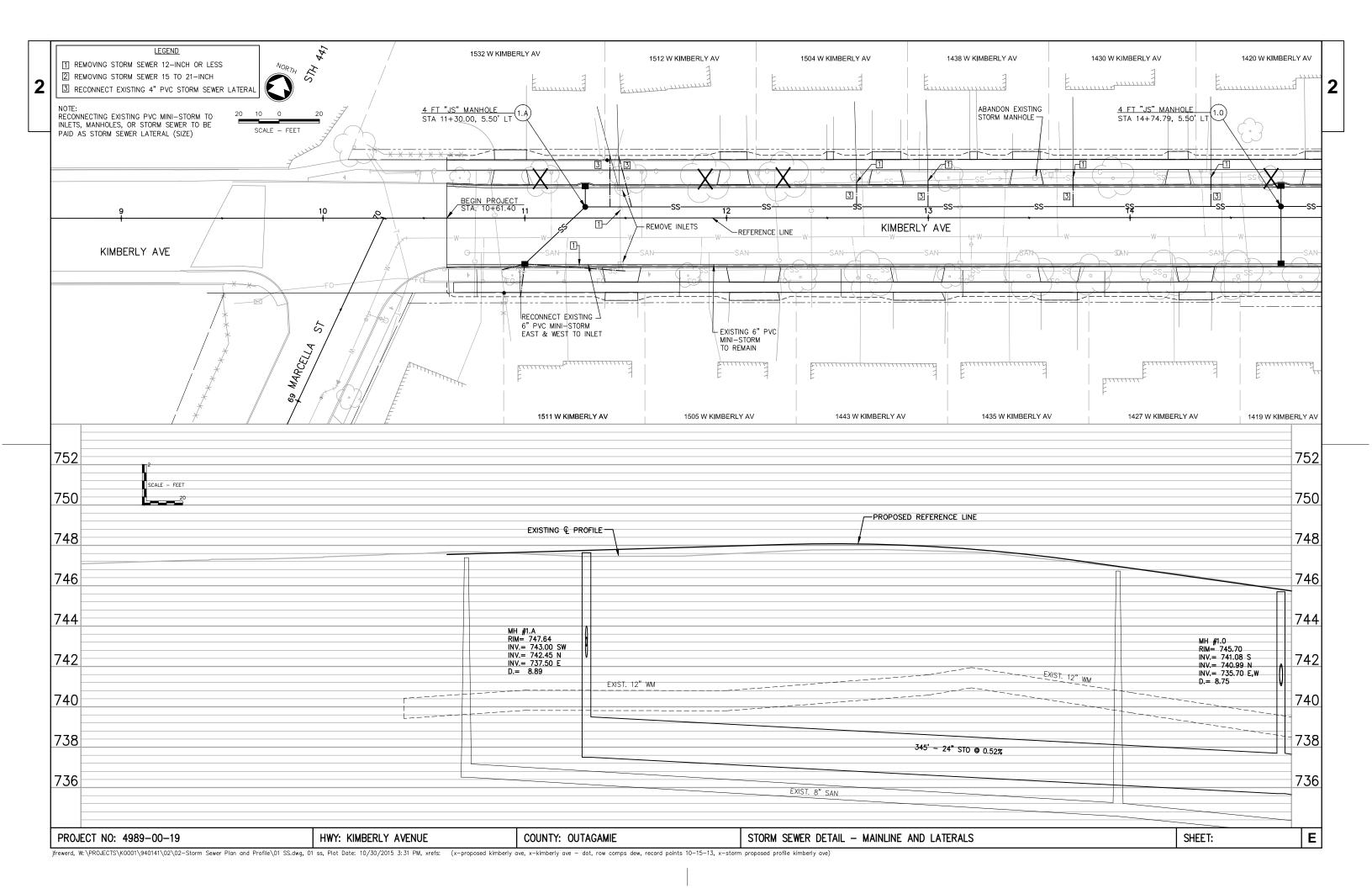


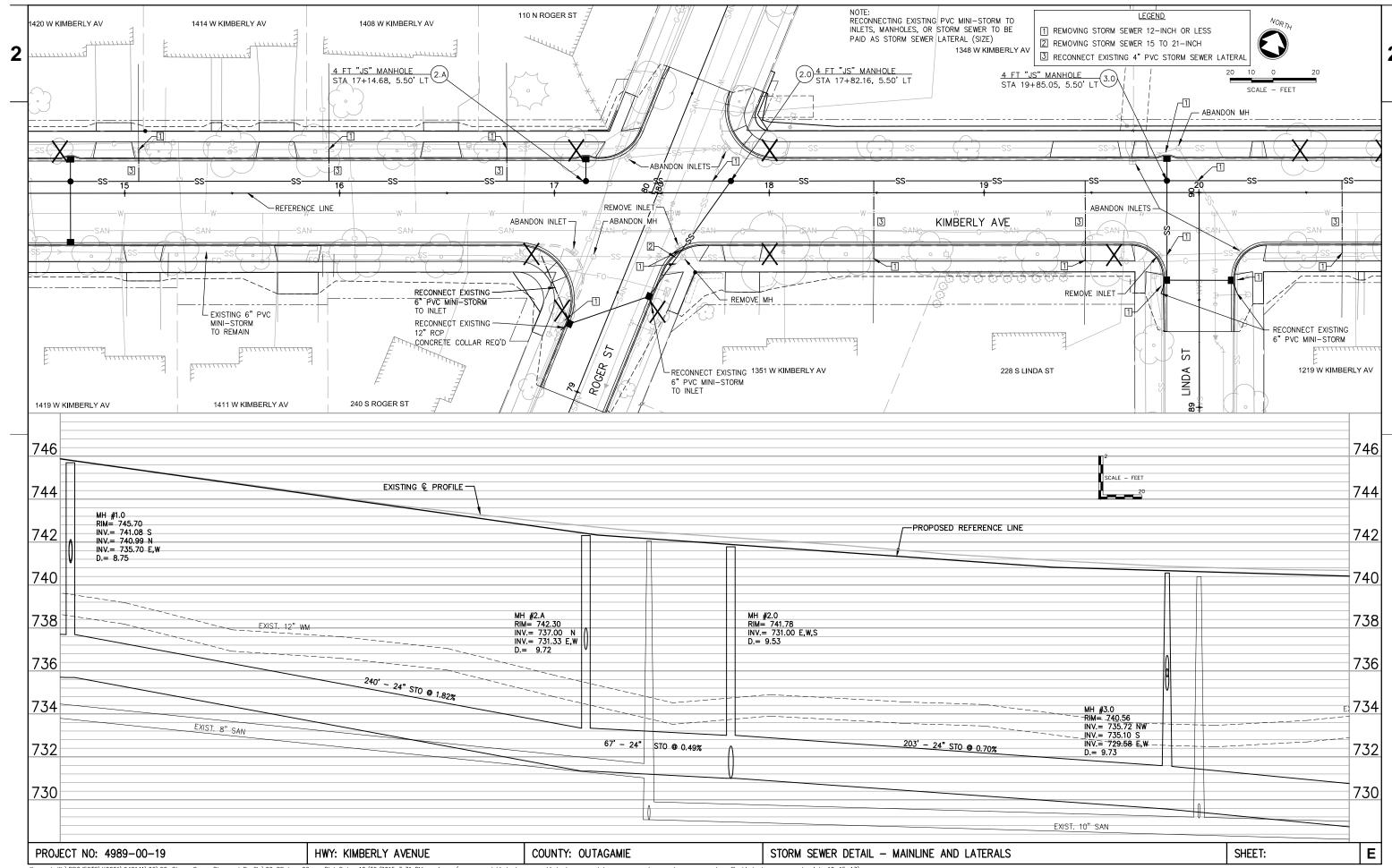


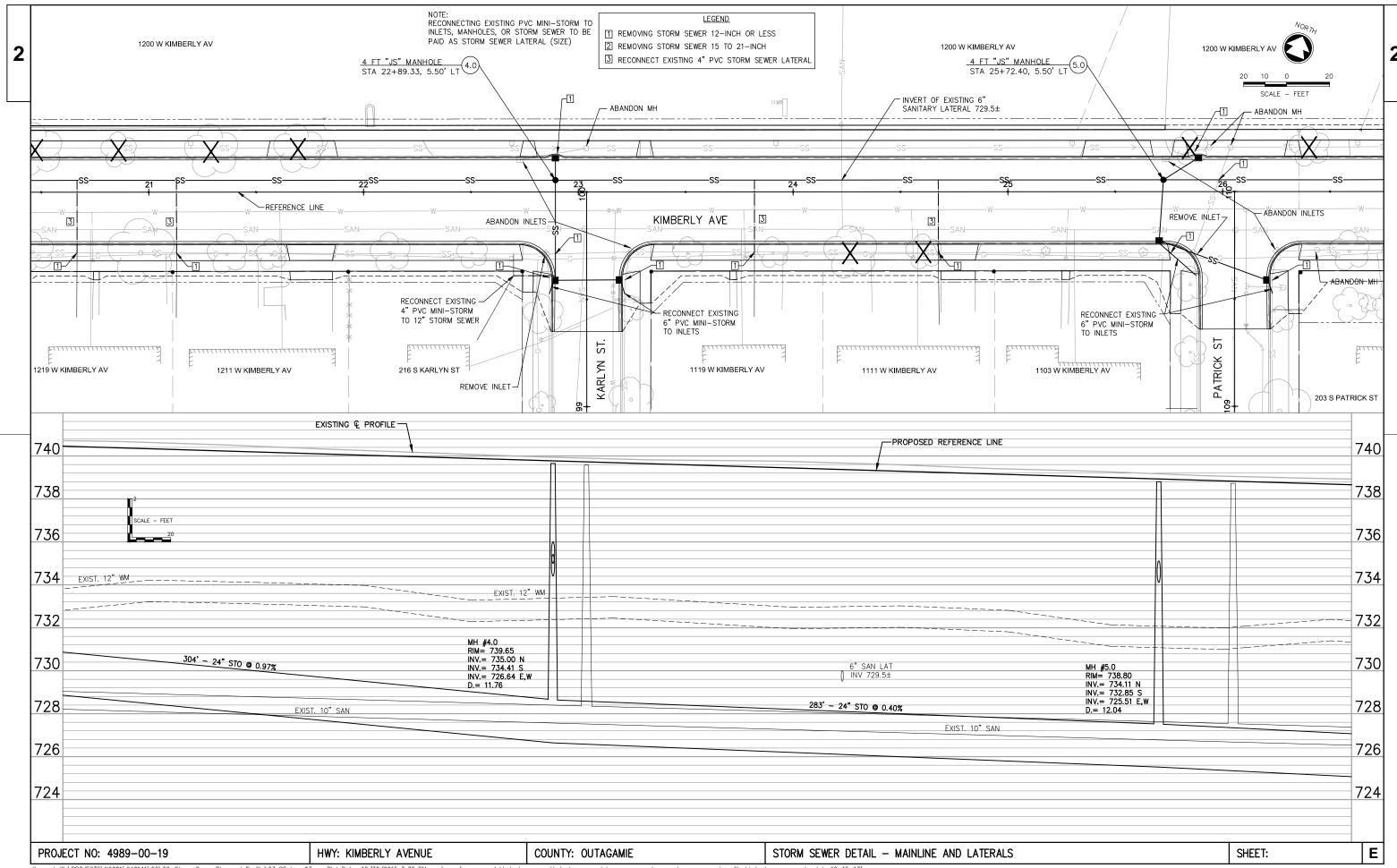


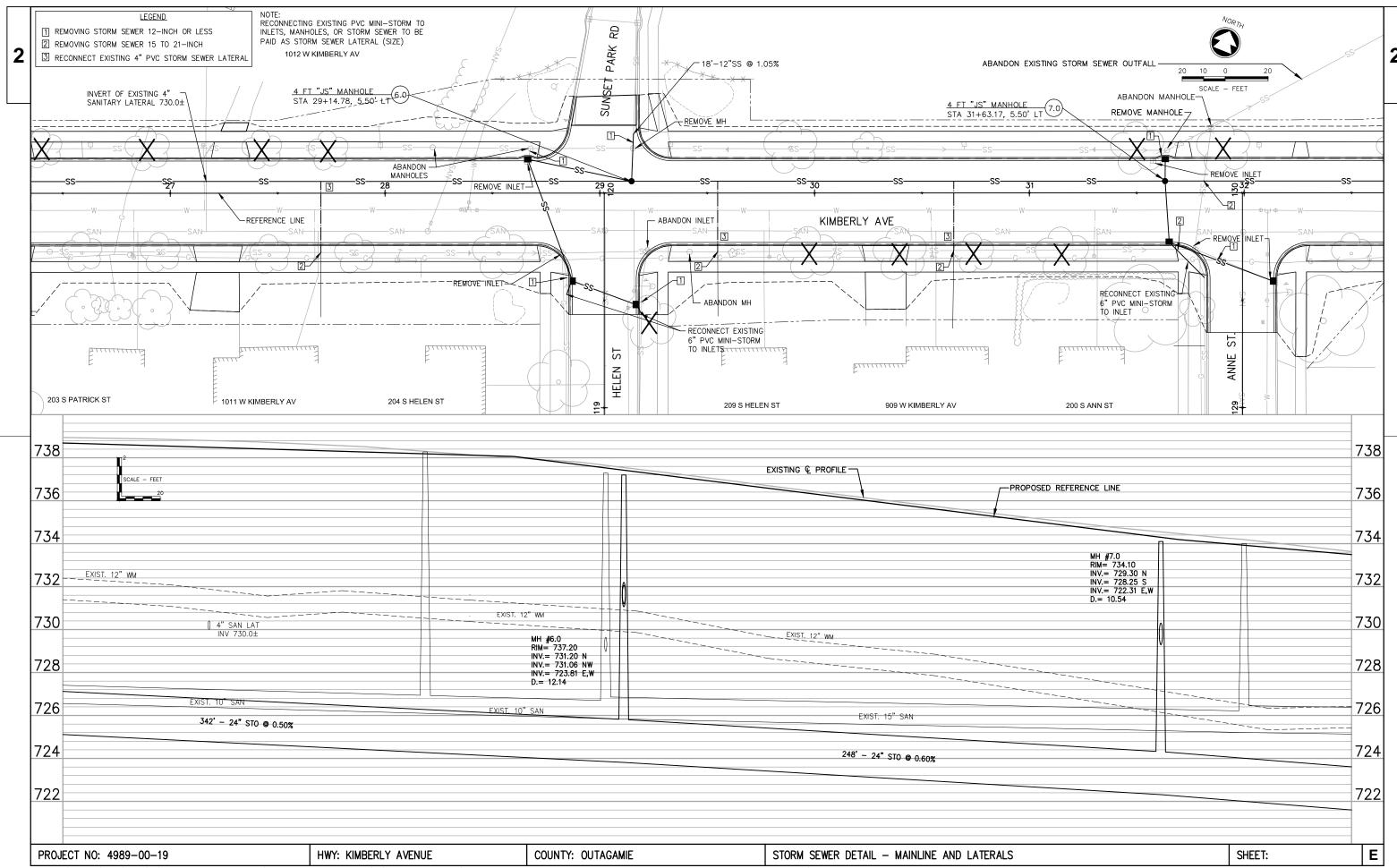


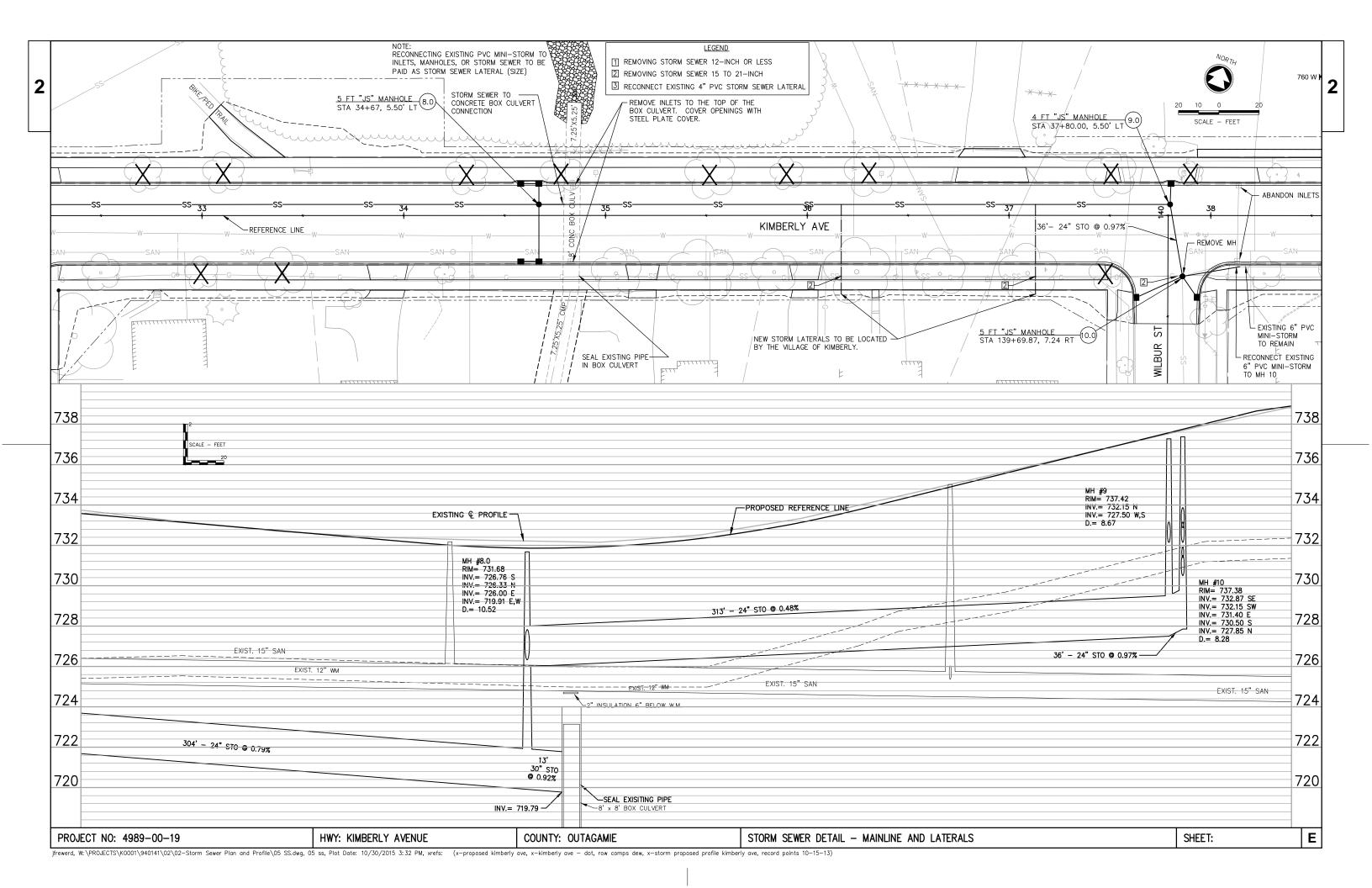


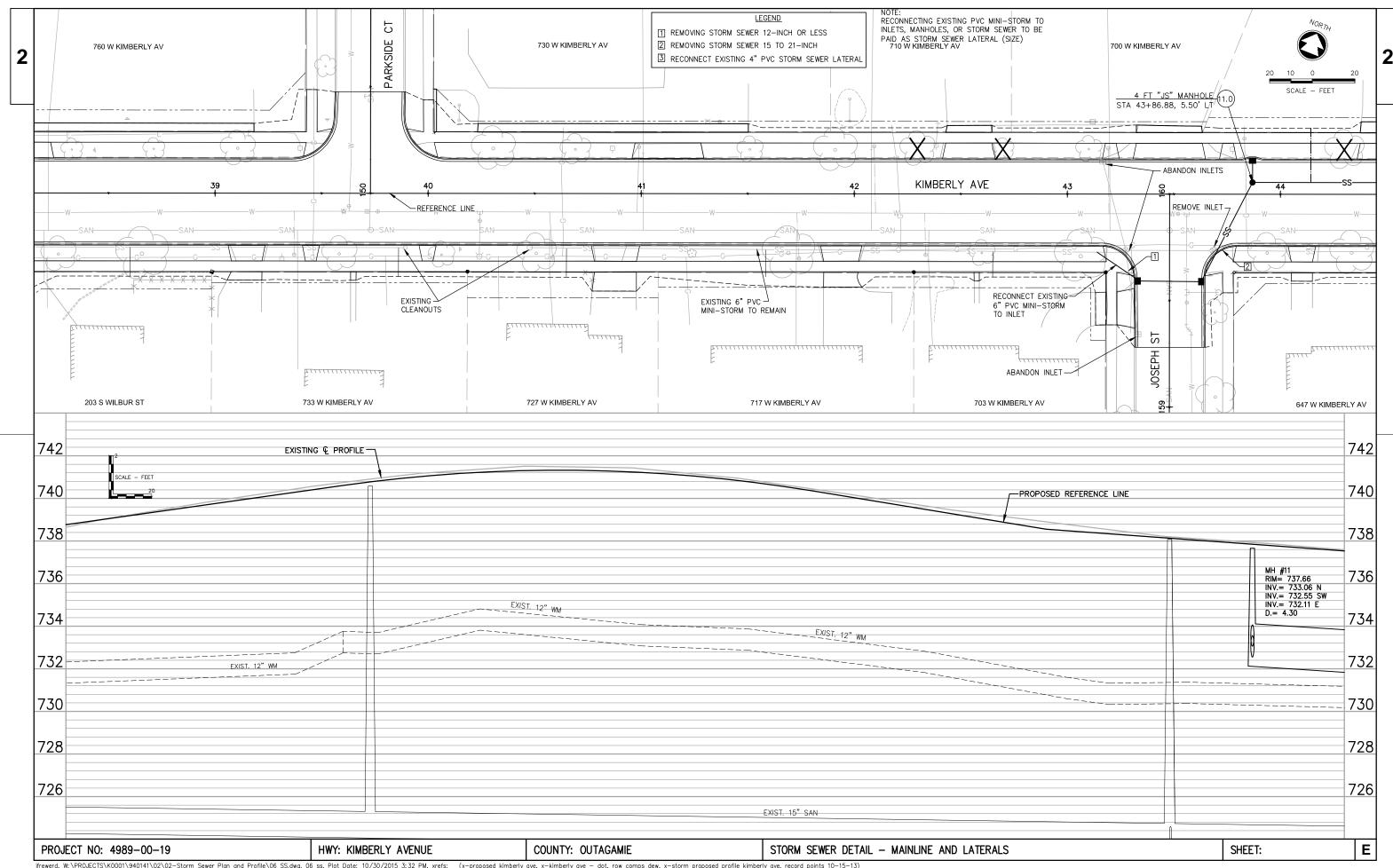


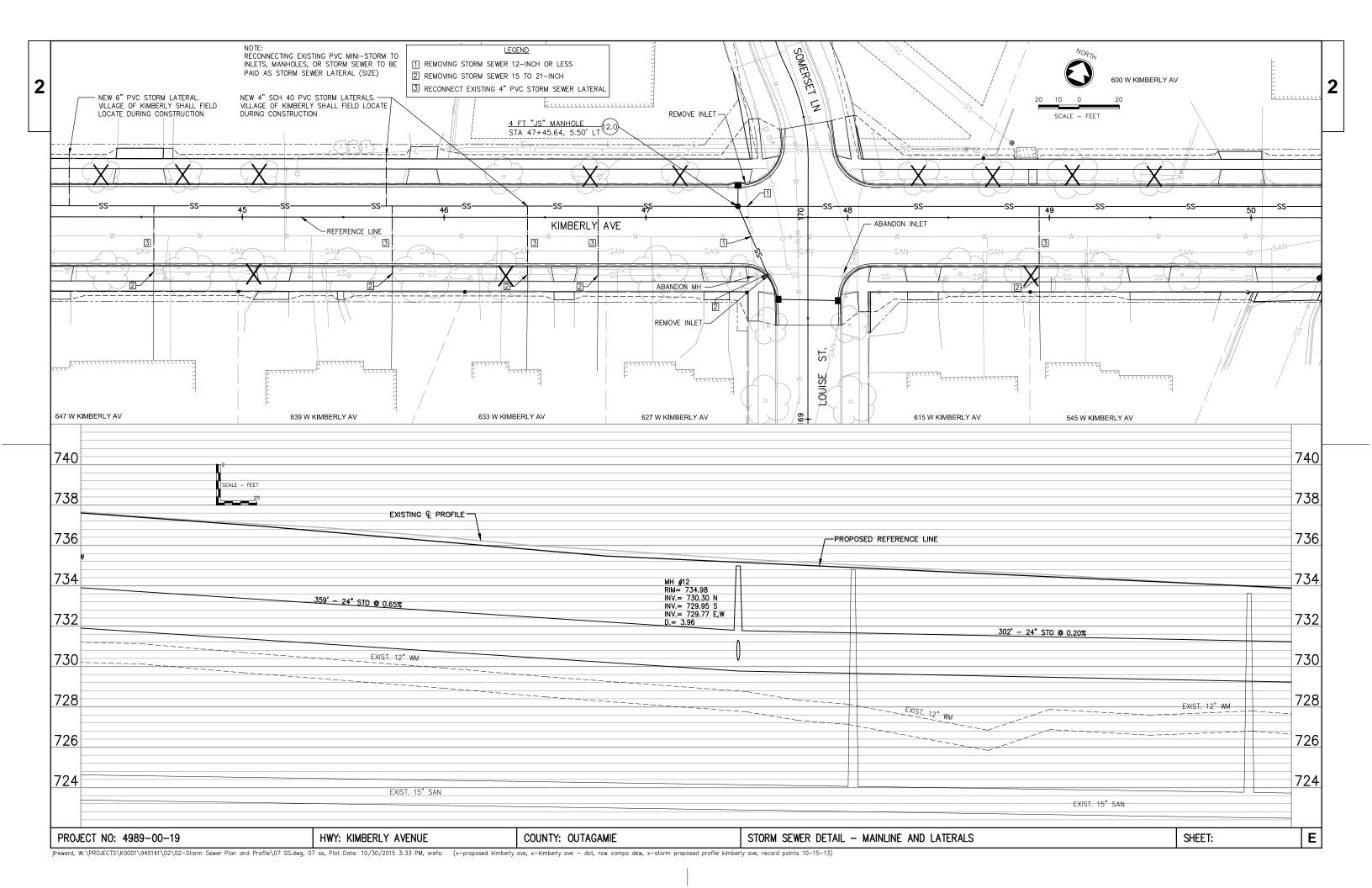


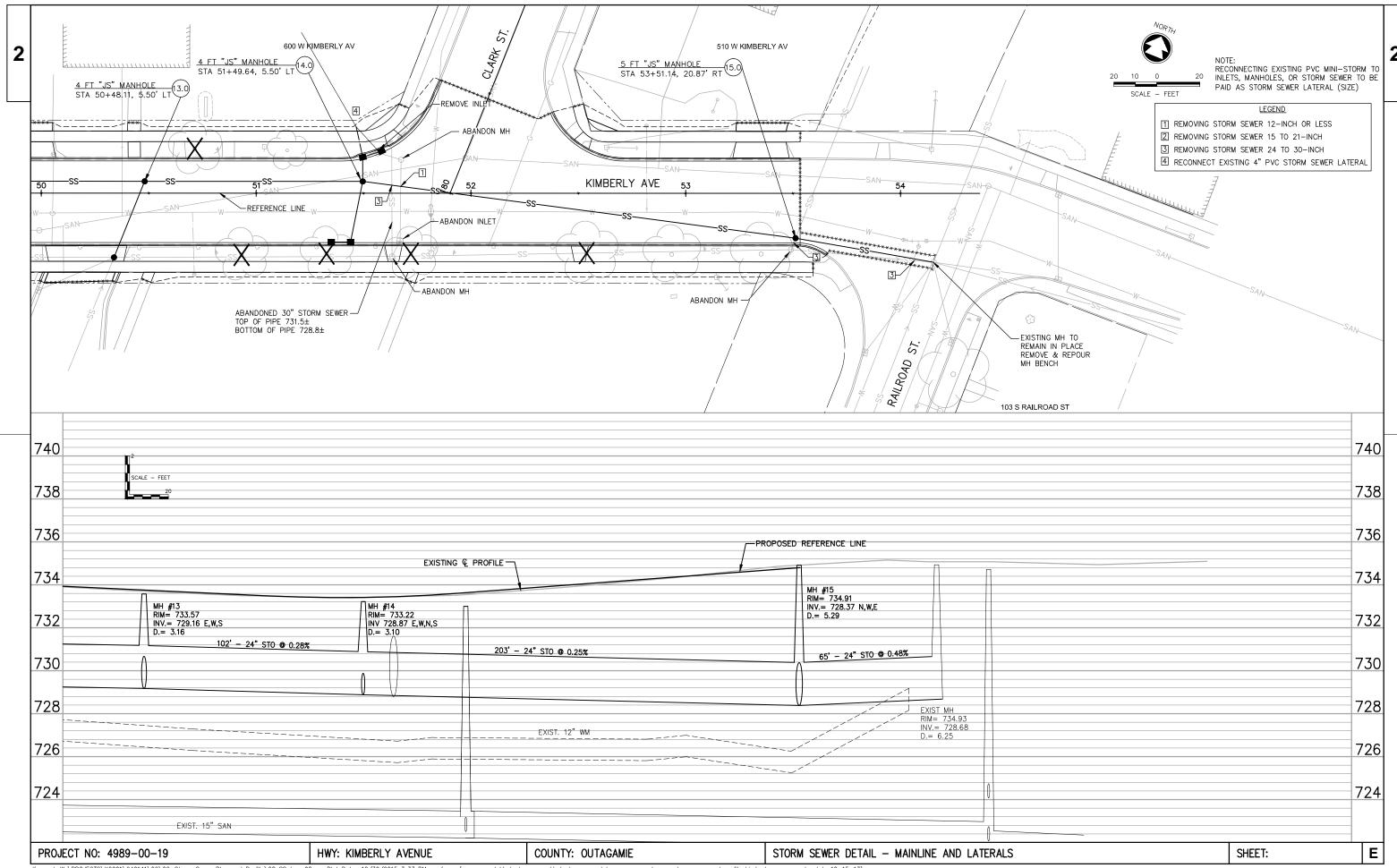


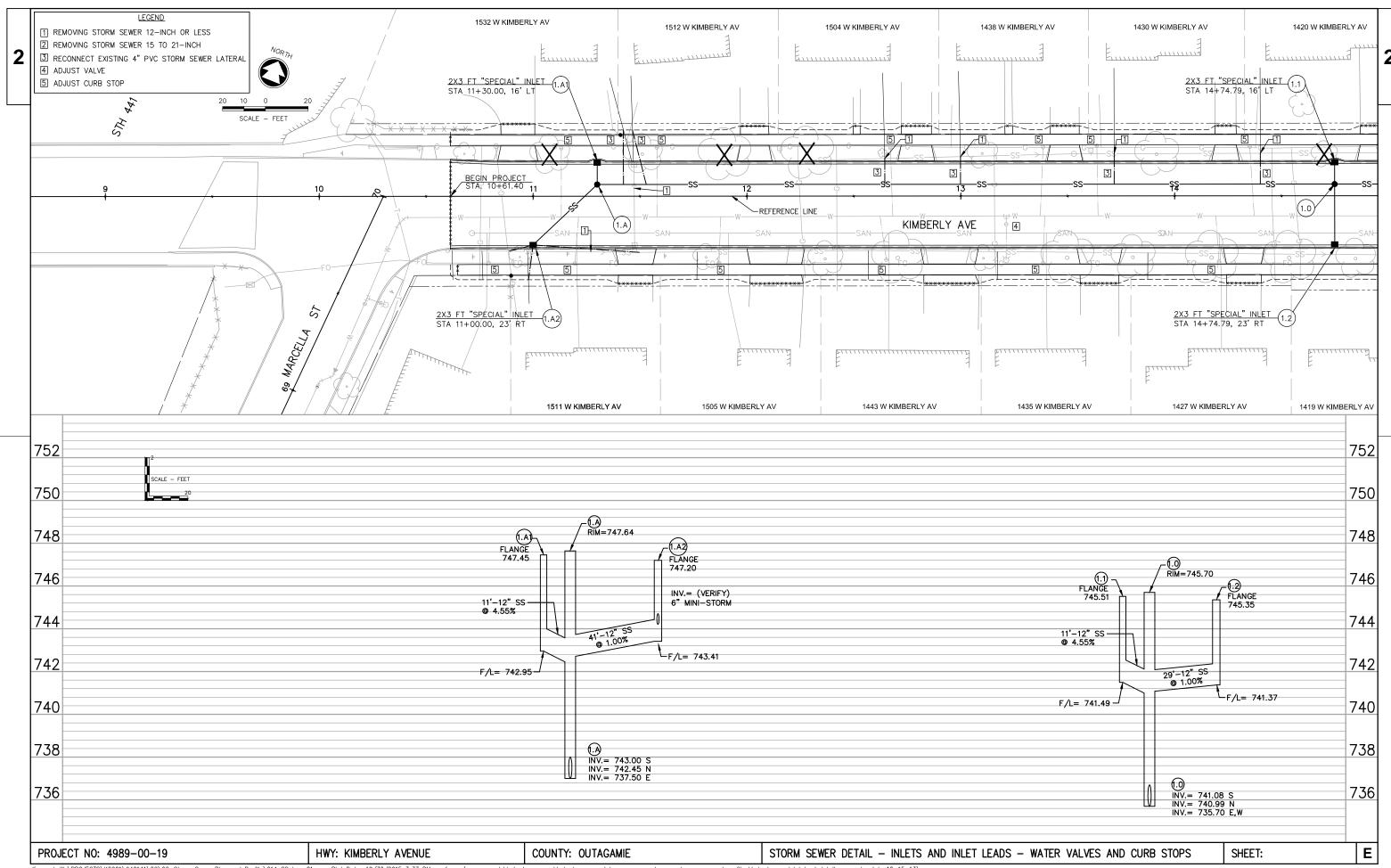


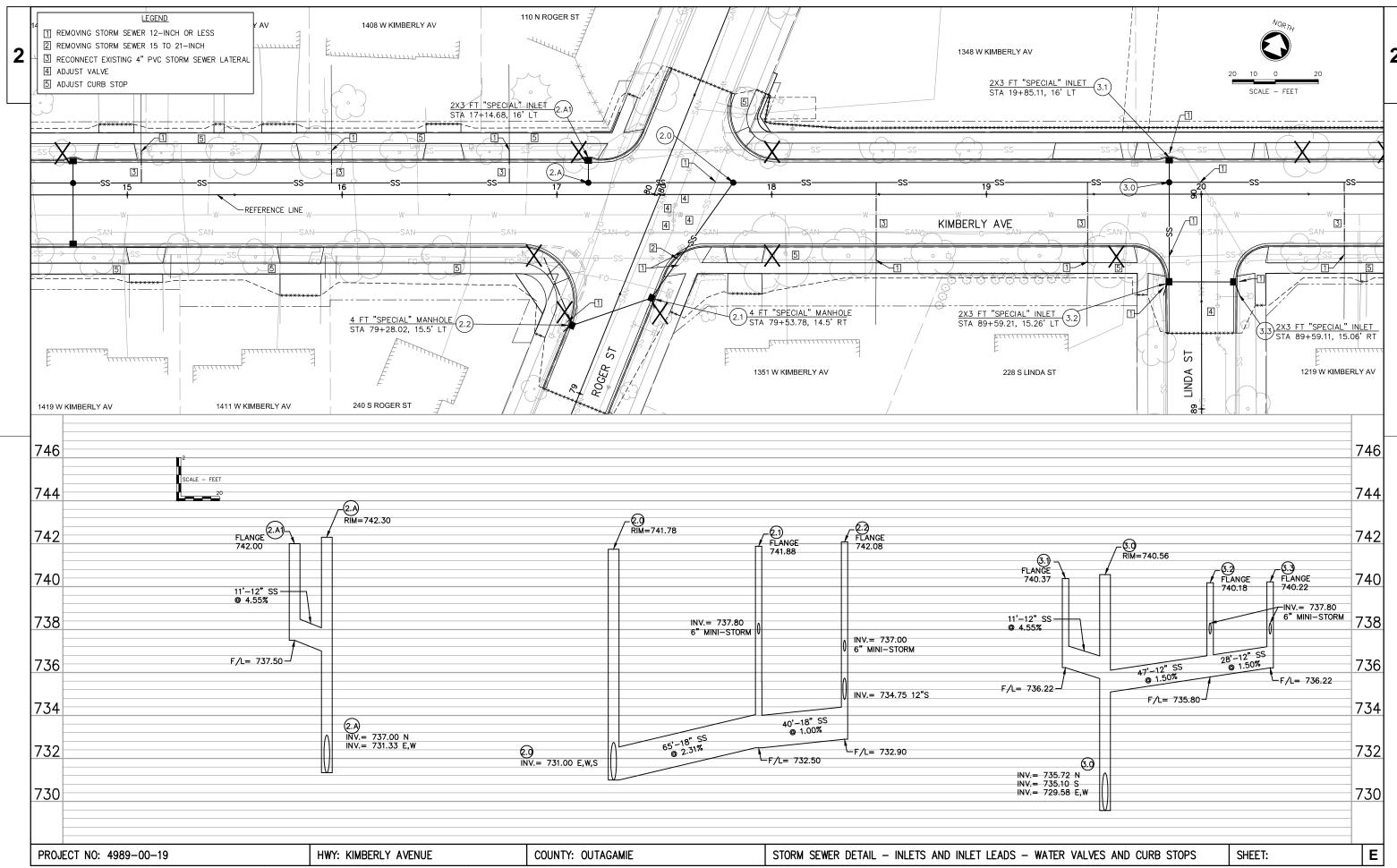


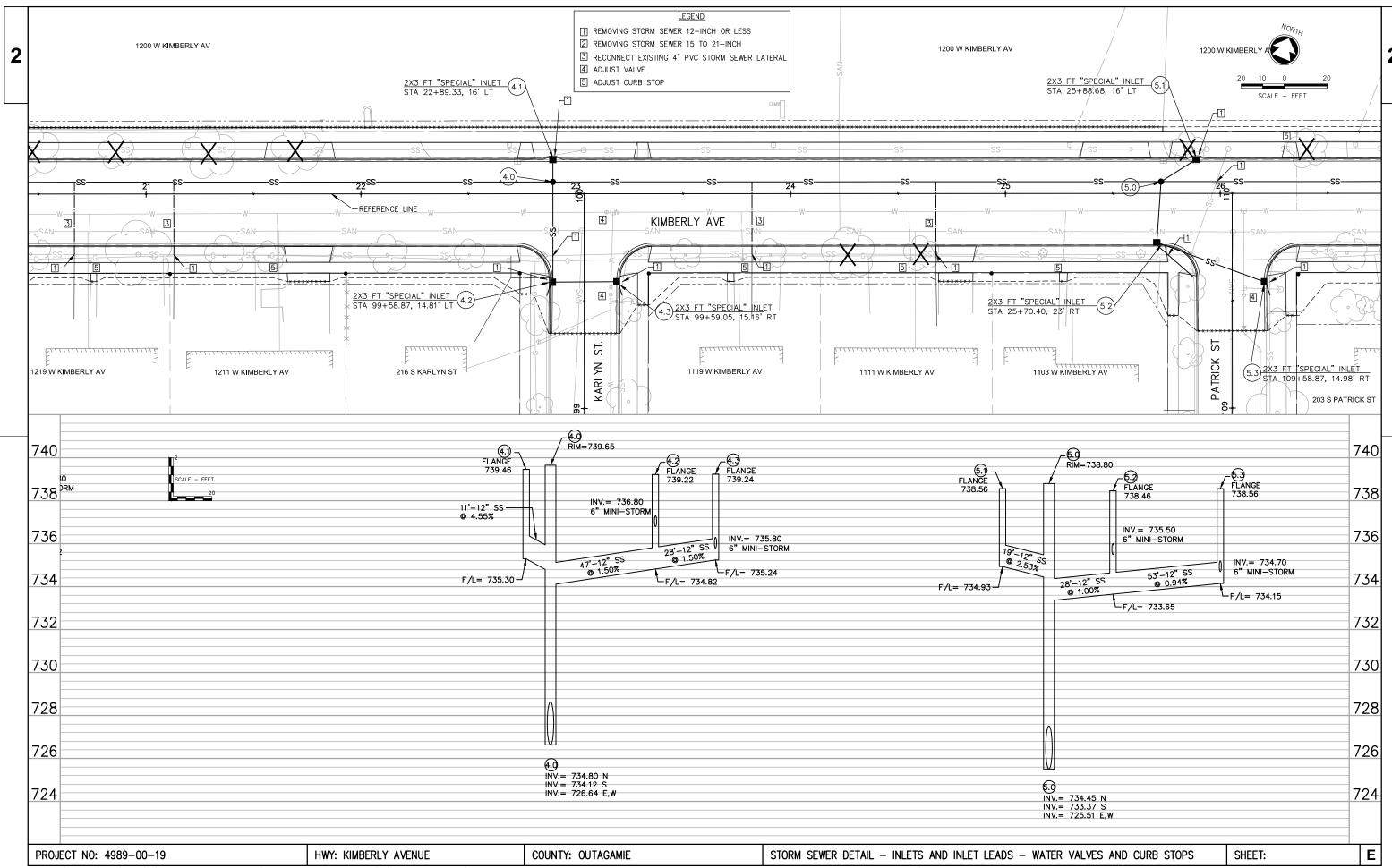


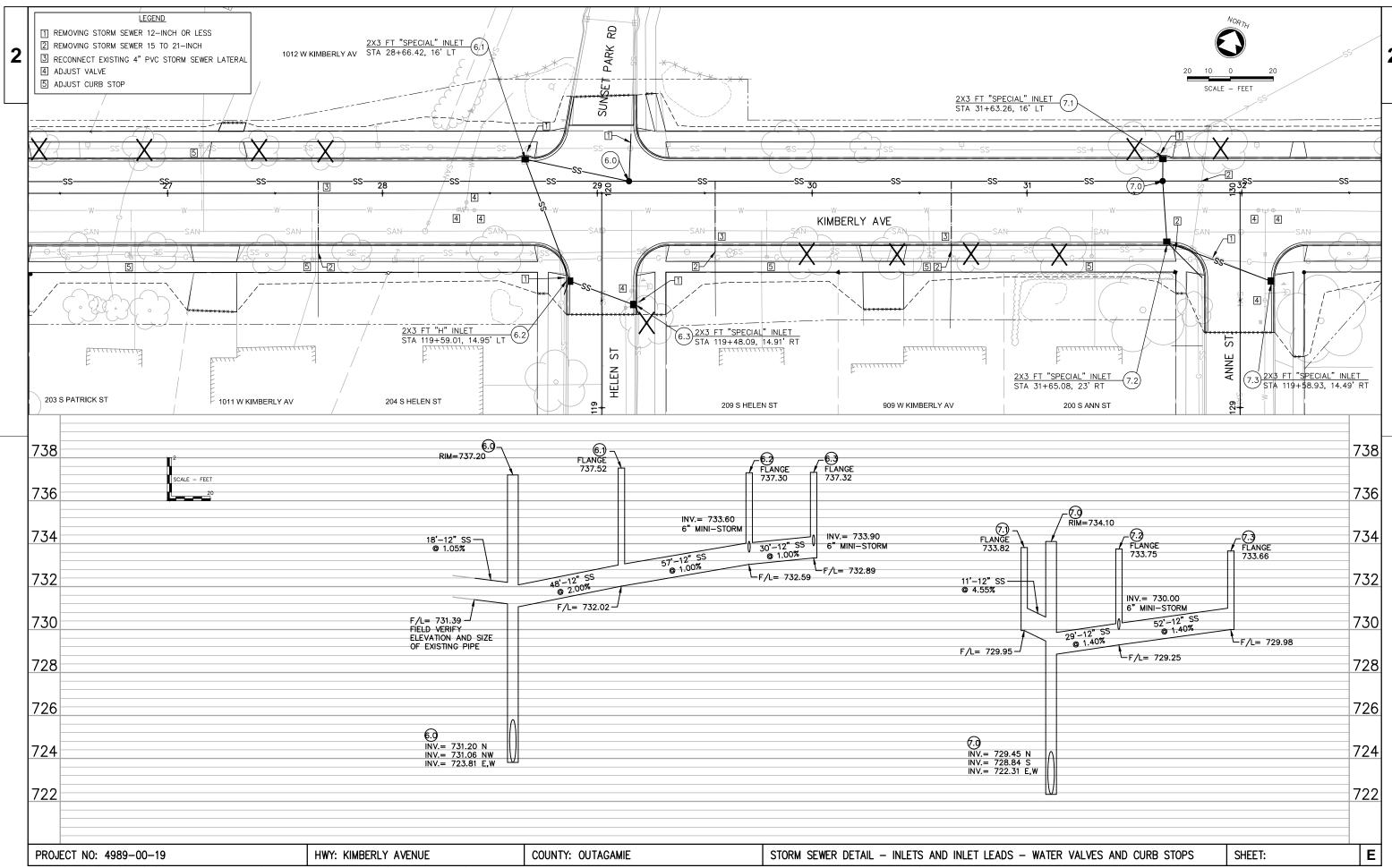


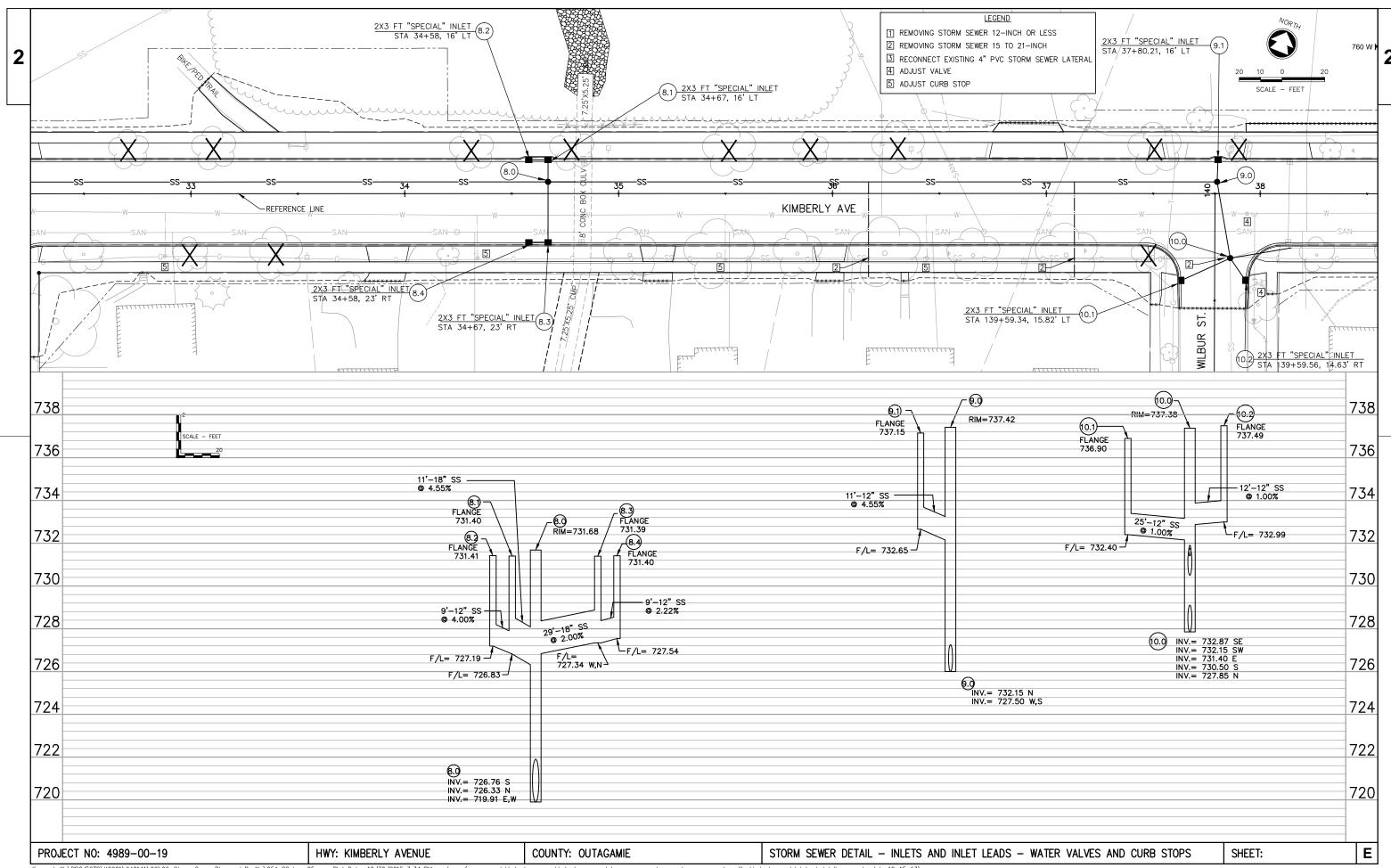


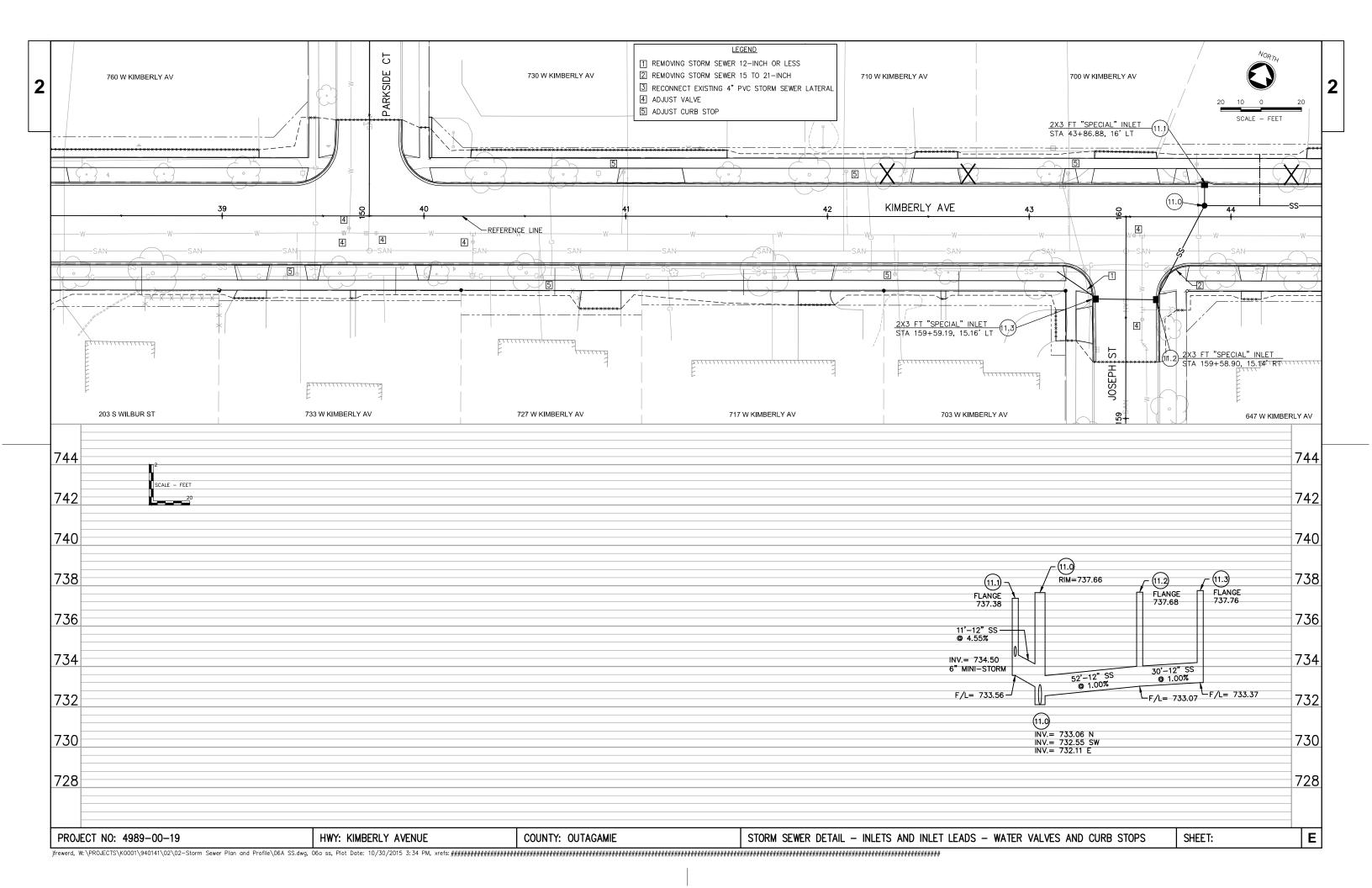


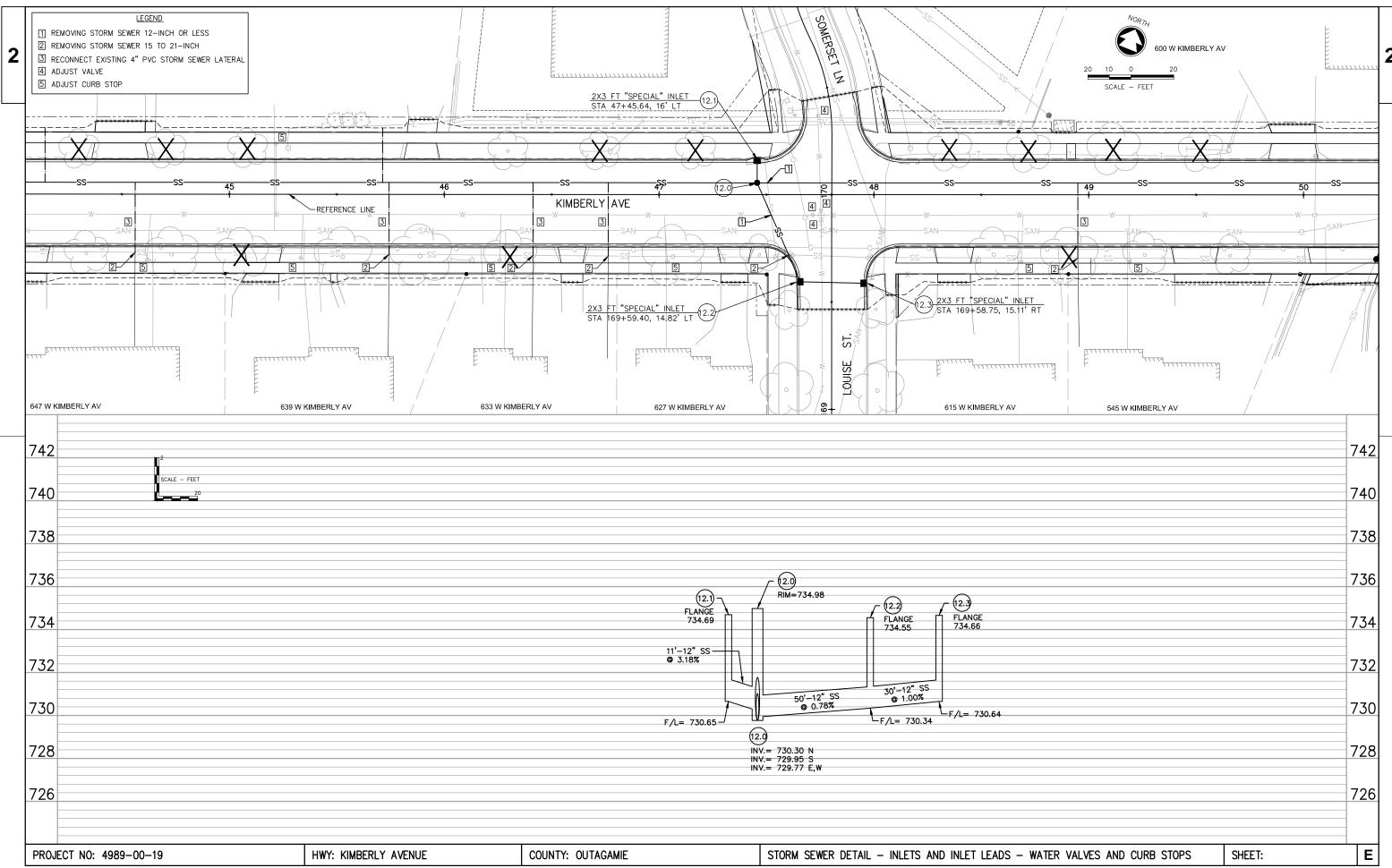


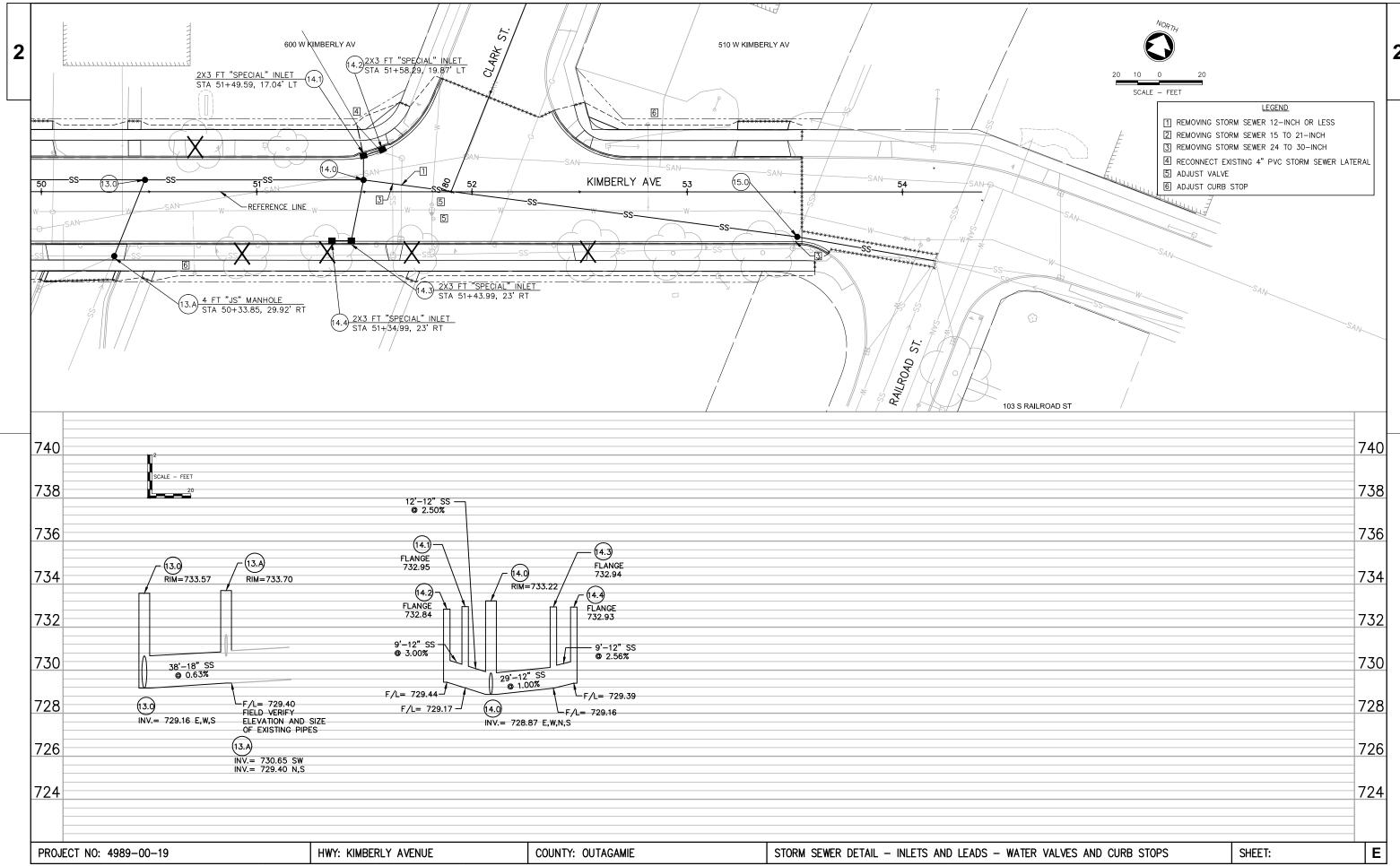


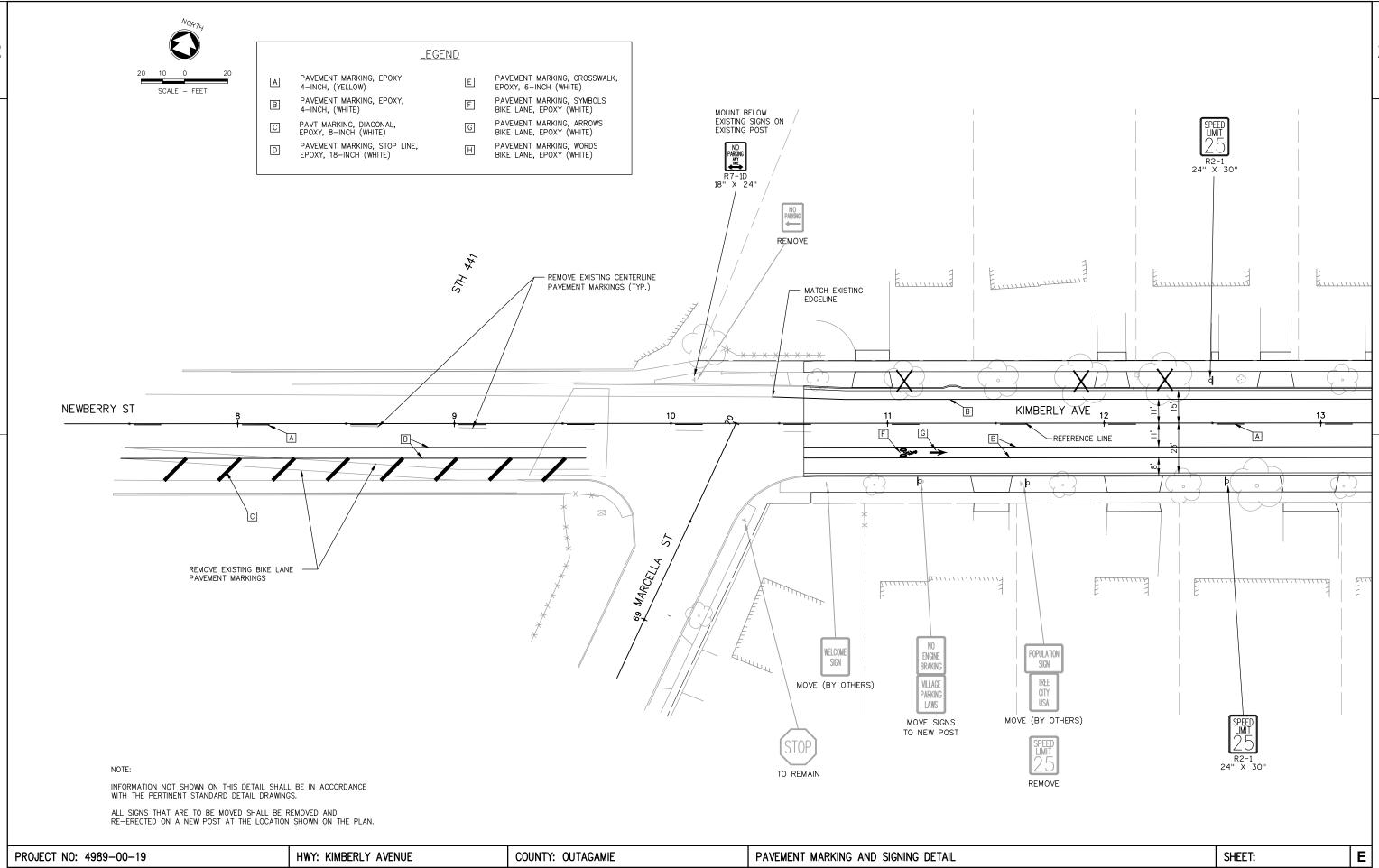


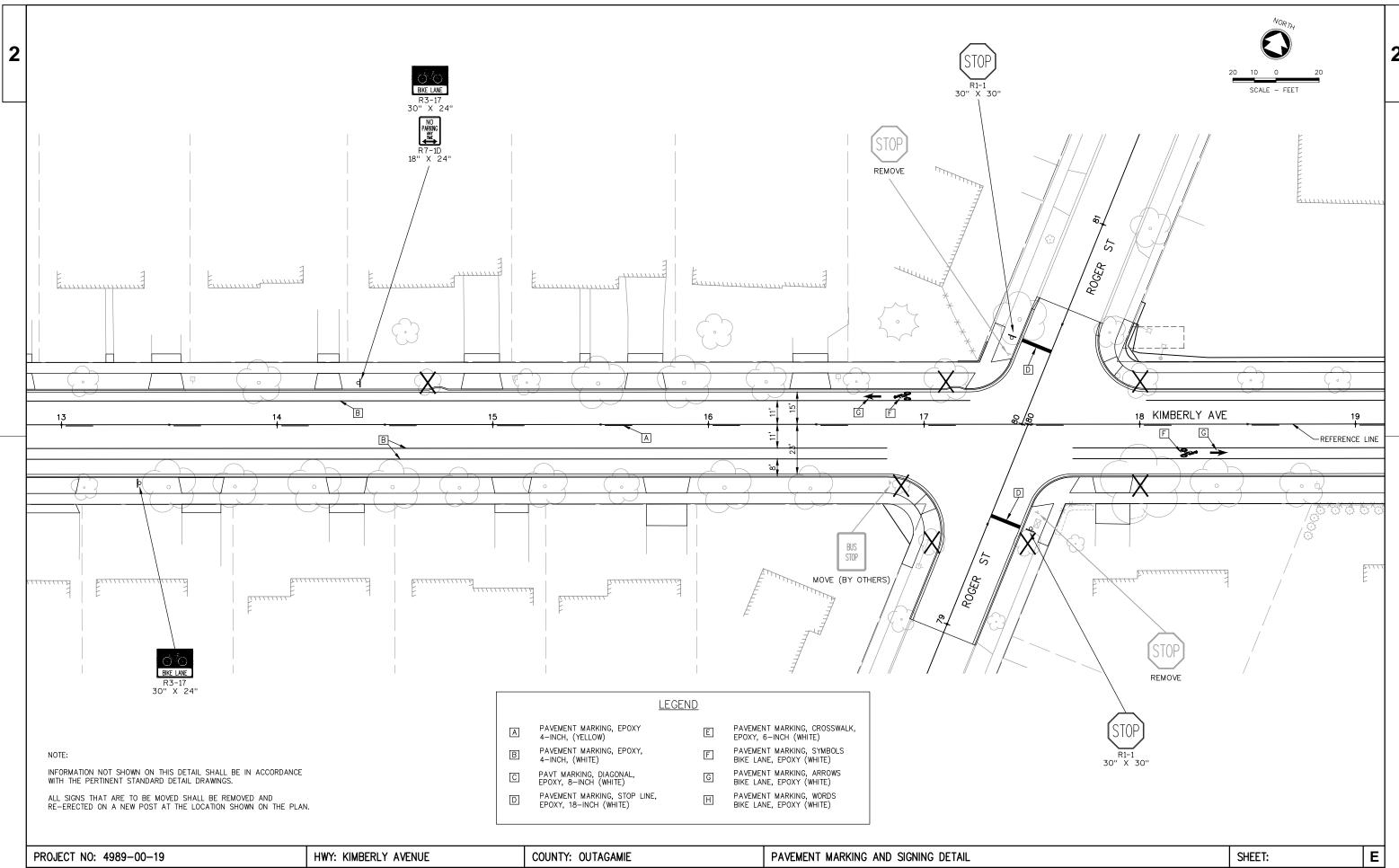


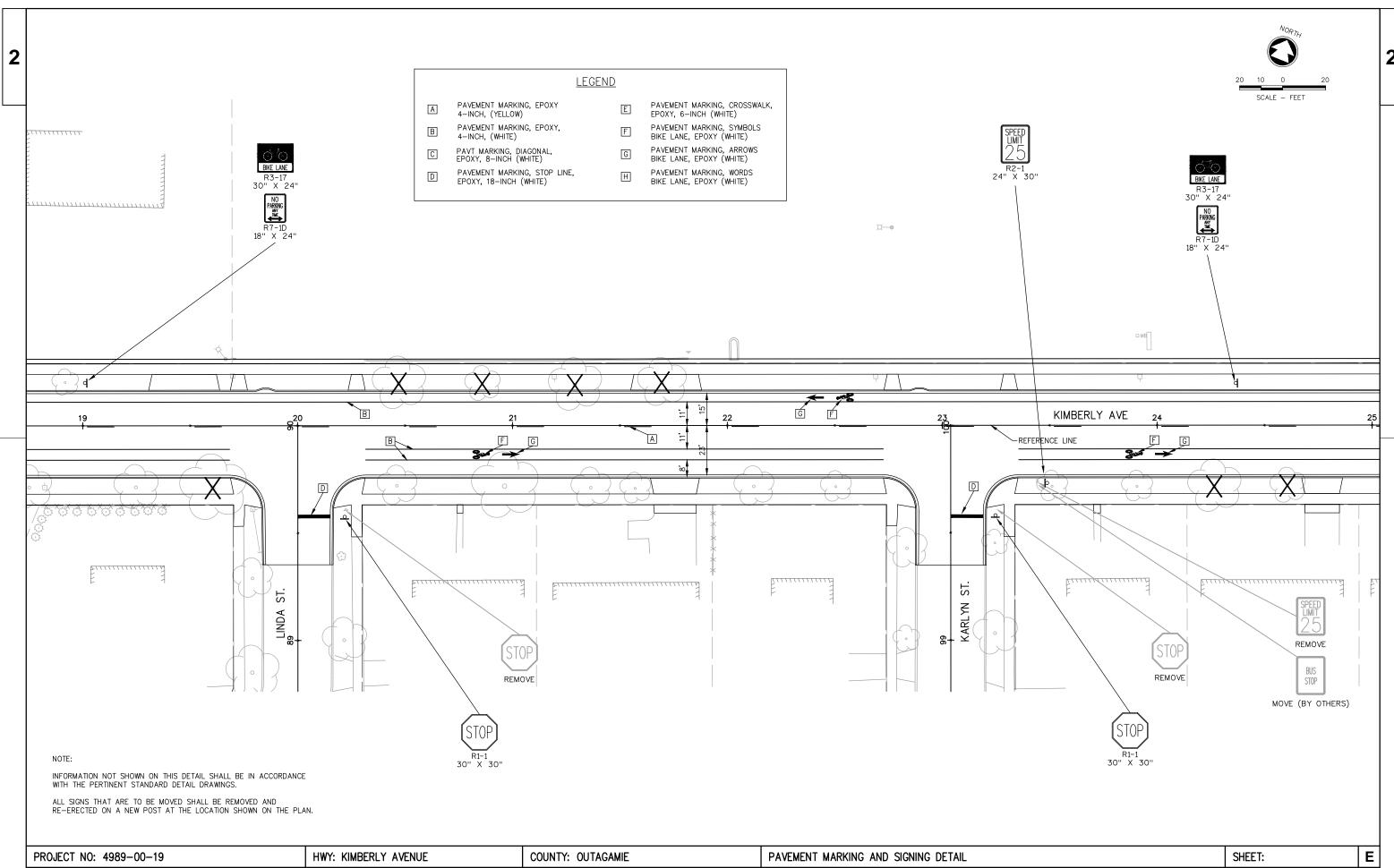


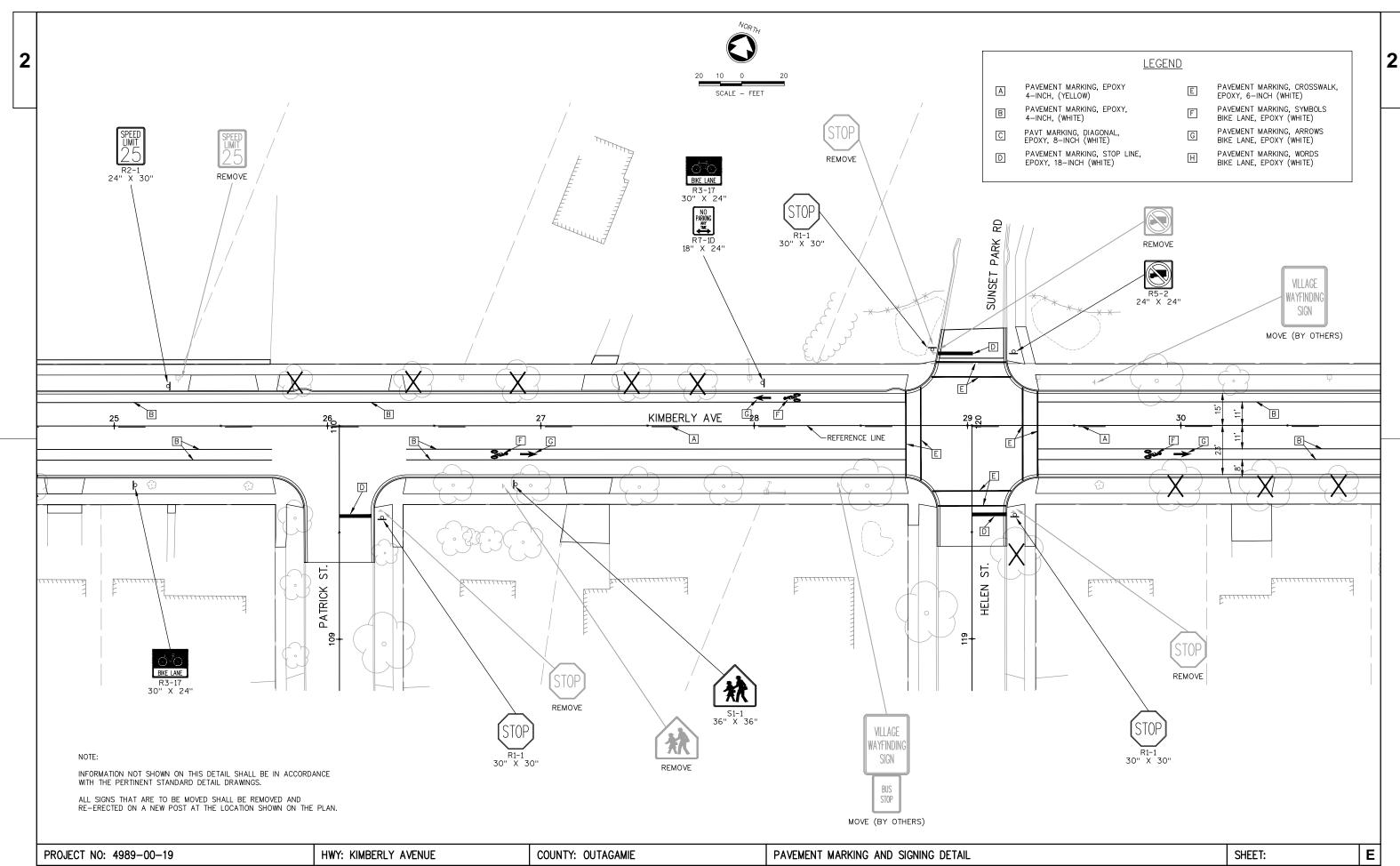


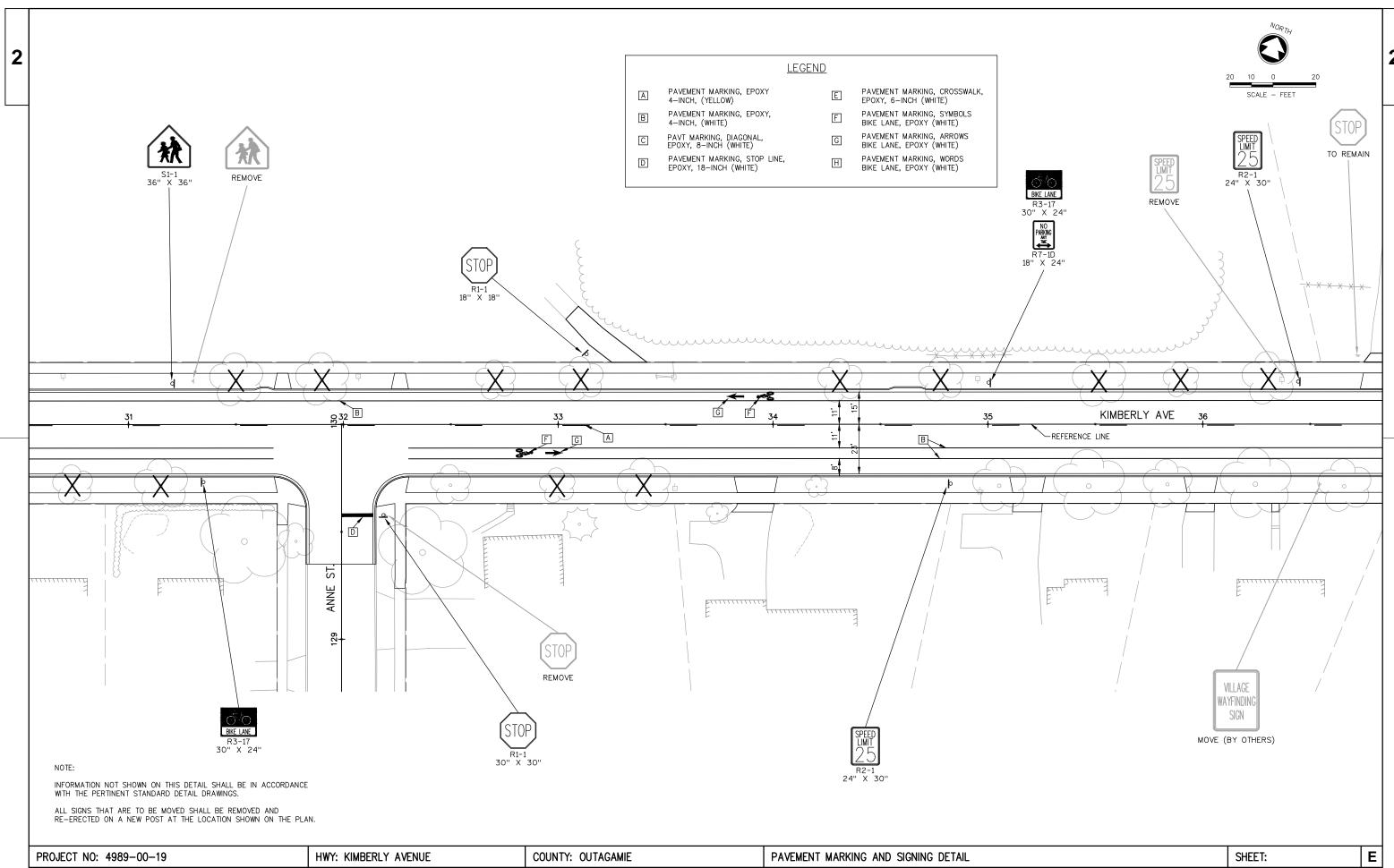


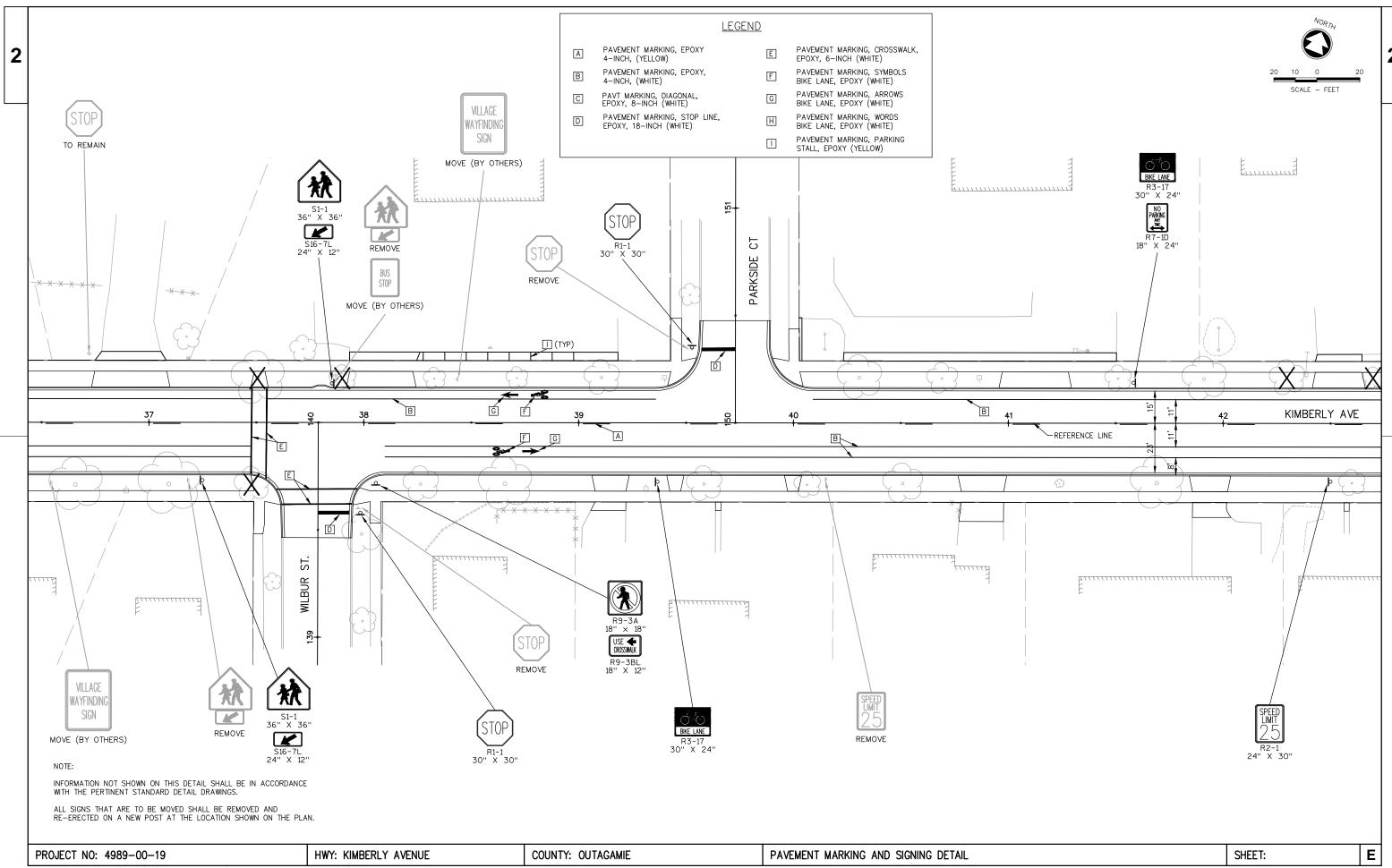


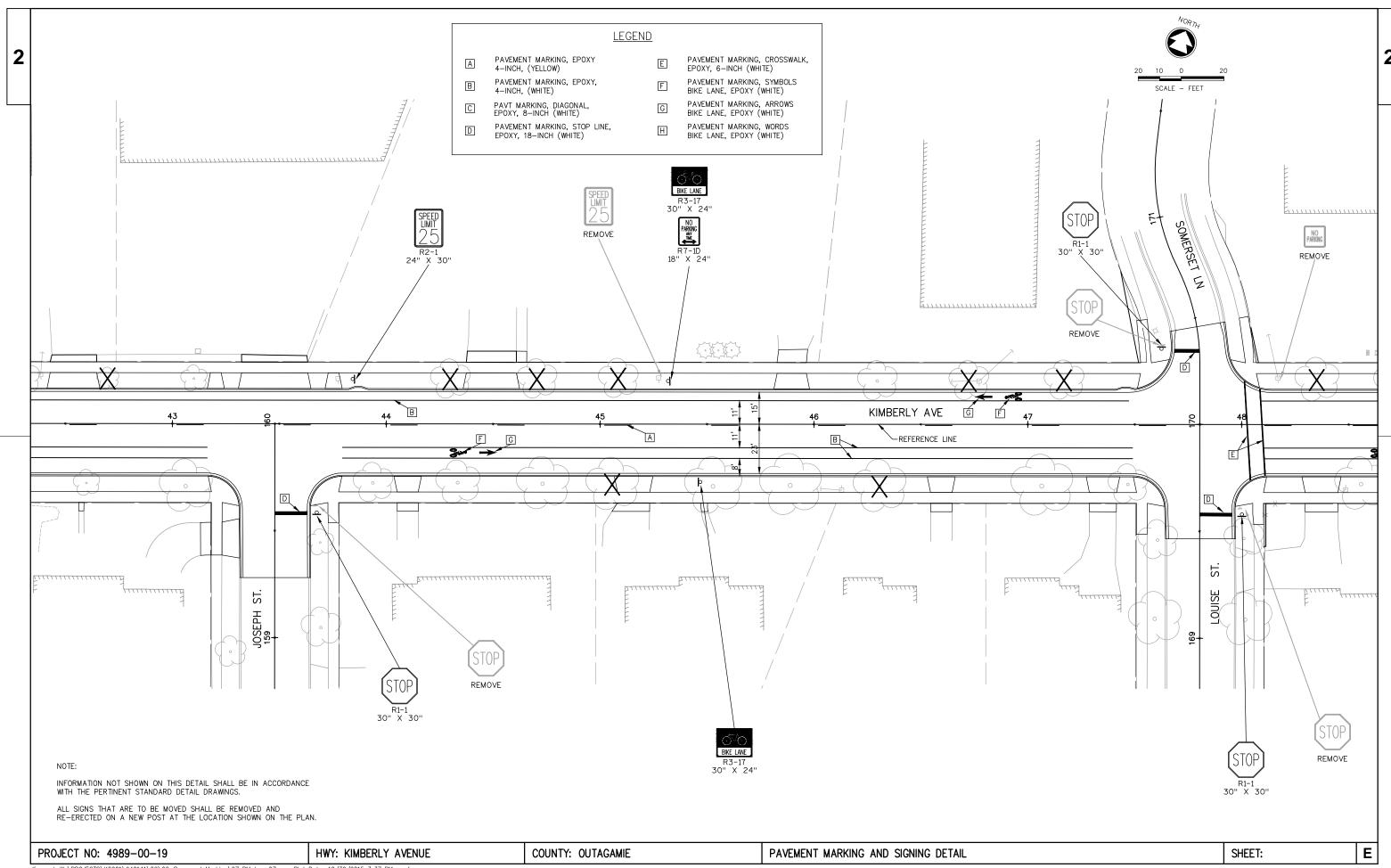


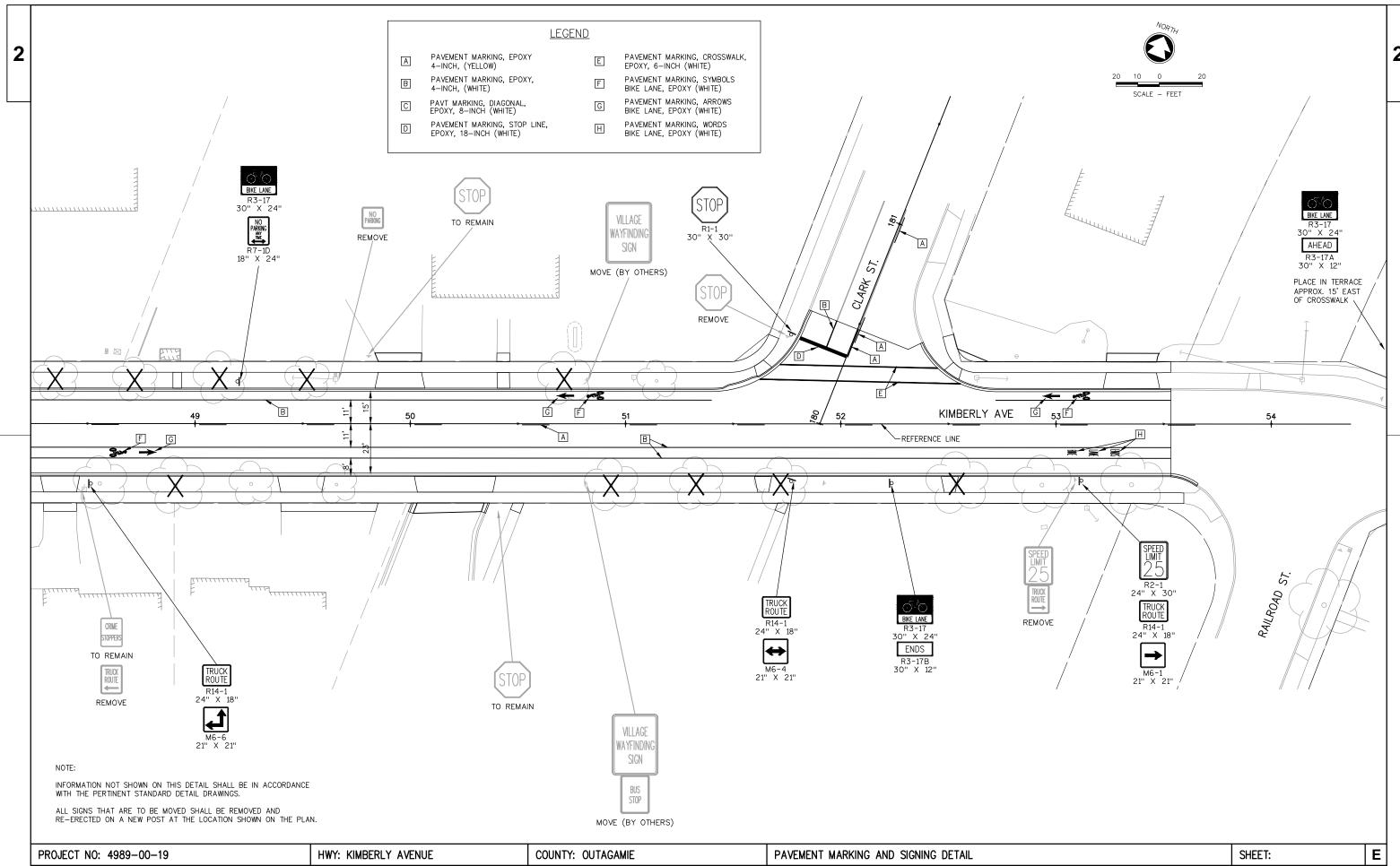


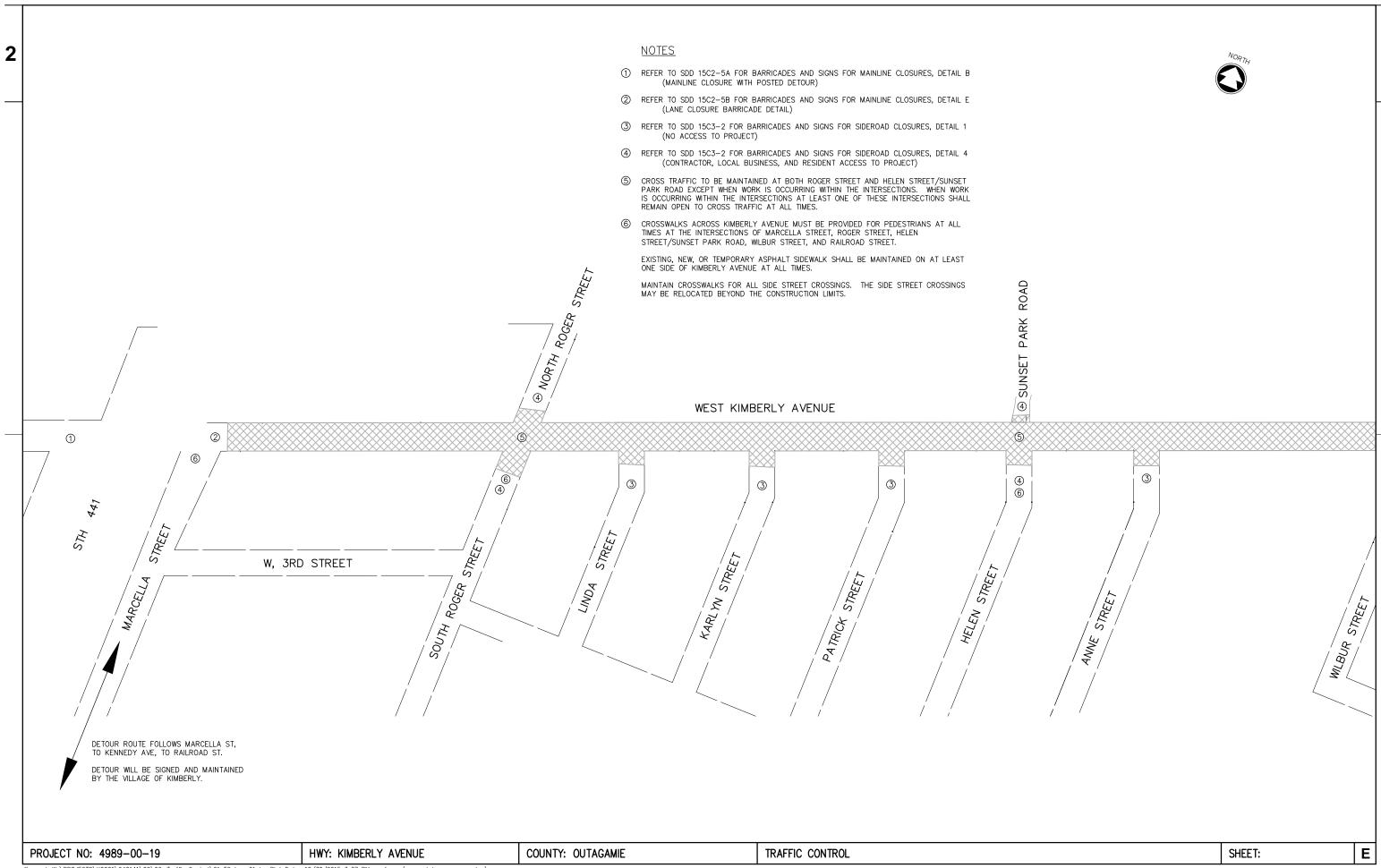


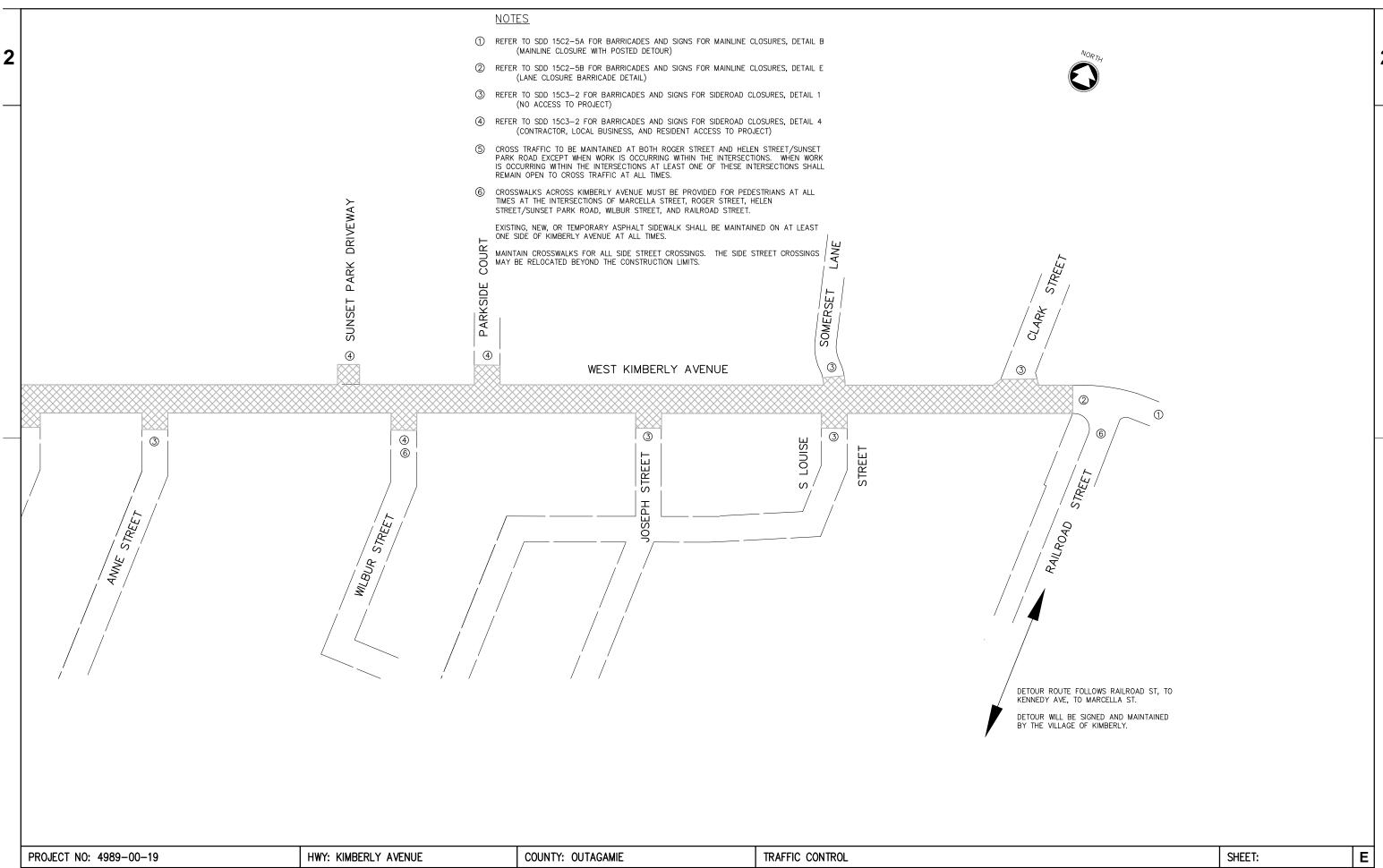




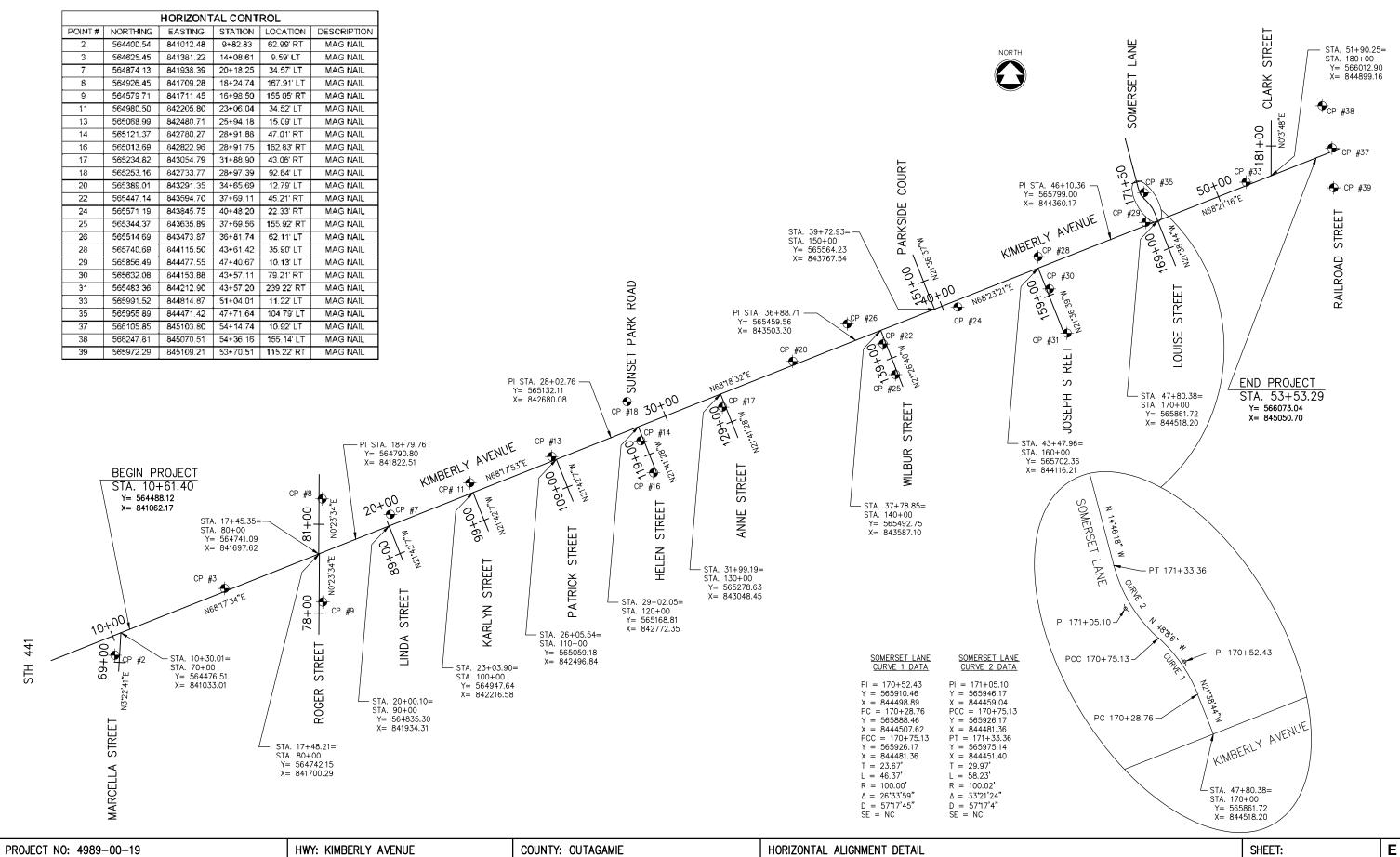








STH



DATE 12 LINE	2JAN16	E S	STIMATI	E O F Q U A N	T I T I E S 4989-00-19
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010	201. 0220	Grubbi ng	I D	1, 172. 000	1, 172. 000
0020	204. 0100	Removing Pavement	SY	15, 480. 000	15, 480. 000
0030 0040	204. 0150 204. 0155	Removing Curb & Gutter Removing Concrete Sidewalk	LF SY	37. 000 4, 316. 000	37. 000 4, 316. 000
0050	204. 0210	Removing Manhol es	EACH	5. 000	5. 000
0060 0070	204. 0220 204. 0245	Removing Inlets Removing Storm Sewer (size) 01. 12-Inch	EACH LF	15. 000 566. 000	15. 000 566. 000
		or Less			
0800	204. 0245	Removing Storm Sewer (size) 02. 15-Inch to 21-Inch		68. 000	68. 000
0090	204. 0245	Removing Storm Sewer (size) 03. 24-Inch to 30-Inch		14. 000	14. 000
0100	204. 0250	Abandoni ng Manhol es	EACH	15. 000	15. 000
0110	204. 0260	Abandoning Inlets	EACH	19. 000	19. 000
0120	205. 0100	Excavation Common	CY	14, 432. 000	14, 432. 000
0130	213. 0100	Finishing Roadway (project) 01. 4989-00-19	EACH	1.000	1. 000
0140	305. 0120	Base Aggregate Dense 1 1/4-Inch	TON	8, 775. 000	8, 775. 000
0150	311. 0110	Breaker Run	TON	4, 000. 000	4, 000. 000
0160	415. 0080	Concrete Pavement 8-Inch	SY	20, 275. 000	20, 275. 000
0170	415. 0210	Concrete Pavement Gaps	EACH	7.000	7.000
0180 0190	416. 0160 416. 0180	Concrete Driveway 6-Inch Concrete Driveway 8-Inch	SY SY	1, 173. 000 475. 000	1, 173. 000 475. 000
0200	416. 0610	Drilled Tie Bars	EACH	64. 000	64. 000
0210 0220	416. 0620 440. 4410	Drilled Dowel Bars Incentive IRI Ride	EACH DOL	352. 000 3, 250. 000	352. 000 3, 250. 000
0220	465. 0105	Asphaltic Surface	TON	3, 250. 000 16. 000	16. 000
0240	465. 0120	Asphaltic Surface Driveways and Field	TON	66. 000	66. 000
0250	520. 8000	Entrances Concrete Collars for Pipe	EACH	1. 000	1. 000
0260	601. 0405	Concrete Curb & Gutter 18-Inch Type A	LF	8, 939. 000	8, 939. 000
0270	601. 0407	Concrete Curb & Gutter 18-Inch Type D	LF	38. 000	38. 000
0280	601. 0600	Concrete Curb Pedestrian	LF	20.000	20. 000
0290	602. 0405	Concrete Sidewalk 4-Inch	SF	36, 625. 000	36, 625. 000
0300	602. 0415	Concrete Sidewalk 6-Inch	SF	3, 800. 000	3, 800. 000
0310	602. 0515	Curb Ramp Detectable Warning Field	SF	660. 000	660. 000
0320	608. 0318	Natural Patina Storm Sewer Pipe Reinforced Concrete	LF	183. 000	183. 000
0330	608. 0324	Class III 18-Inch Storm Sewer Pipe Reinforced Concrete	LF	3, 716. 000	3, 716. 000
	608. 0330	Class III 24-Inch Storm Sewer Pipe Reinforced Concrete	LF	13. 000	13. 000
0340		Class III 30-Inch			
0350	611. 0420	Reconstructing Manholes	EACH	1. 000	1. 000
0360	611. 0535	Manhole Covers Type J-Special	EACH	18. 000	18. 000
0370	611. 2004	Manholes 4-FT Diameter	EACH	17. 000	17. 000
0380	611. 2005	Manholes 5-FT Diameter	EACH	3.000	3.000
0390 0400	611. 3230 611. 8110	Inlets 2x3-FT Adjusting Manhole Covers	EACH EACH	37. 000 15. 000	37. 000 15. 000
0410	619. 1000	Mobilization	EACH	1.000	1.000
0420 0430	624. 0100 625. 0100	Water Topsoi I	MGAL SY	100. 000 7, 843. 000	100. 000 7, 843. 000
0430	627. 0200	Mul chi ng	SY	7, 843. 000	7, 843, 000
0450	628. 1504	Silt Fence	LF	1, 034. 000	1, 034. 000
0460	628. 1520	Silt Fence Maintenance	LF	1, 034. 000	1, 034. 000

LINE MURICER TEH MURICER TEH MURICER TEH MURICER TEH MURICER TER M	DATE 12	JAN16	EST	IMATE	OF QUAN		
0.480 0.28 1910	NUMBER					QUANTI TY	
Section First Protection Type A EACH 3.000 3.000	0480	628. 1910	Mobilizations Emergency Erosion Control	EACH	8. 000	8.000	
	0510	628, 7010	Inlet Protection Type B	FACH	40, 000	40, 000	
0540 628,7560 Tracking Pads EACH 3,000 3,000 0550 628,7560 Rock Bags EACH 20,000 3,000 0560 429,0210 Fartilizer Type B CWT 5,000 141,000 0570 430,000 Seeding Without No. B 28,000 28,000 0590 637,2230 Signs Type II Reflective F SF 252,000 252,000 0600 638,2022 Moving Signs Type II Reflective F SF 31,000 31,000 0610 638,2602 Romoving Signs Type II Reflective F SF 31,000 33,000 0630 638,300 Romoving Signs Type II Reflective F SF 31,000 33,000 0630 638,300 Romoving Signs Type II Reflective F SF 31,000 33,000 0640 643,030 Traffic Control Regular Type II Reflective F SF 31,000 33,000 0650 643,030 Traffic Control Regular Type II Reflective F SF 31,000 30,000 0660 643,030 <td>0520</td> <td>628. 7020</td> <td>Inlet Protection Type D</td> <td>EACH</td> <td>60.000</td> <td>60.000</td> <td></td>	0520	628. 7020	Inlet Protection Type D	EACH	60.000	60.000	
Second S							
0.570 0.50 0.140 0.50	0550	628. 7570		EACH	20.000		
0580 630.0200 Seeding Temporary LB 28.000 28.000 0590 637.2230 Signs Type II Reflective F SF 31.000 31.000 0600 637.2230 Signs Type II Reflective F SF 31.000 31.000 0610 638.2602 Removing Signs Type II EACH 2.000 2.000 0630 638.3000 Removing Signs Type II EACH 23.000 23.000 0630 638.3000 Removing Signs Type II EACH 23.000 23.000 0640 643.6100 Traffic Control (project) 01.4989-00-19 EACH 1.000 1.000 0650 643.0300 Traffic Control Barricades Type II DAY 1,800.000 18,000.000 0660 643.0410 Traffic Control Warring Lights Type ADAY 20,448.000 20,448.000 0700 643.0705 Traffic Control Warring Lights Type ADAY 3,600.000 20,448.000 0700 643.0705 Traffic Control Signs DAY 9,360.000 9,360.000 0710 643.0900							
0590 0637, 2210 Signs Type I Reflective H SF 252,000 252,000 31,000							
0610 638, 2102 Moving Signs Type II EACH 2,000 2,000 0620 638, 2602 Removing Signs Type II EACH 33,000 33,000 0640 642, 5401 Field Office Type D EACH 1,000 1,000 0650 643,000 Traffic Control (project) 01, 4989-00-19 EACH 1,000 1,000 0660 643,0300 Traffic Control (project) 01, 4989-00-19 EACH 1,000 1,000 0670 643,0410 Traffic Control Barricades Type III DAY 18,000,000 18,000,000 0670 643,0410 Traffic Control Barricades Type III DAY 5,184,000 5,184,000 0670 643,0410 Traffic Control Barricades Type III DAY 1,800,000 18,000,000 0670 643,0410 Traffic Control Barricades Type III DAY 1,800,000 1,800,000 0670 643,0705 Traffic Control Barricades Type III DAY 1,800,000 1,800,000 0670 643,0705 Traffic Control Warning Lights Type A DAY 20,488,000 20,488,000 0670 643,0705 Traffic Control Warning Lights Type C DAY 3,600,000 3,600,000 0770 643,0705 Traffic Control Warning Lights Type C DAY 3,600,000 3,600,000 0770 644,100.1 S Temporary Pedestrian Surface Asphal t SF 3,000,000 3,600,000 0780 644,100.1 S Temporary Pedestrian Surface Asphal t SF 3,000,000 3,000,000 0780 645,0140 Geotextile Fabric Type SAS SY 6,000,000 6,000,000 0780 646,0100 Removing Pavement Marking Stall Lene Epoxy 647,0206 Pavement Marking Symbols Sike Lane Epoxy EACH 18,000 18,000 0800 647,0406 Pavement Marking Stop Line Epoxy 8-Inch LF 3,600 3,600 0800 647,0466 Pavement Marking Stop Line Epoxy 8-Inch LF 3,600 3,600 0800 647,0466 Pavement Marking Stop Line Epoxy 8-Inch LF 3,600 3,600 0800 650,4500 Construction Staking Supplicate LF 5,089,000 5,089,000 0800 650,0900 Construction Staking Stop Esoxy 8-Inch LF 1,280,000 5,089,000 0800 650,0900 Construction Staking Stop Stakes LF 5,089,000 5,089,000 0800 650,0900 Construction Staking Stop Stakes	0590	637. 2210	Signs Type II Reflective H	SF	252.000	252. 000	
0620 638. 2602 Removing Signs Type II EACH 33.000 30.000 33.000 33.000 30.000 33.000 30.000 33.000 30.000 33.000	0600	637. 2230	Signs Type II Reflective F	SF	31. 000	31. 000	
0630 638. 3000 Removing Shall Sign Supports FACH 23.000 23.000 0640 642. 5017 Fled Offrice Type D EACH 1.000 1.000 0650 643. 0100 Traffic Control Drums DAY 18,000.000 5,184.000 0670 643. 0410 Traffic Control Barricades Type II DAY 18,000.000 5,184.000 0680 643. 0420 Traffic Control Barricades Type III DAY 11,808.000 18,000.000 0700 643. 0715 Traffic Control Warning Lights Type A DAY 2,488.000 11,808.000 0700 643. 0715 Traffic Control Warning Lights Type C DAY 3,600.000 3,600.000 0700 643. 0900 Traffic Control Warning Lights Type C DAY 3,600.000 3,000.000 0710 643. 0900 Traffic Control Signs DAY 9,360.000 3,000.000 0720 644. 1410. S Temporary Pedestrian Surface Asphal t SF 3,000.000 3,000.000 0730 644. 1601. S Temporary Pedestrian Safety Fence LF 880.000 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
0640 642.5401 Field Office Type D							
0660	0640	642. 5401	Field Office Type D	EACH	1. 000	1. 000	
0670	0650	643. 0100	Traffic Control (project) 01. 4989-00-19	EACH	1. 000	1. 000	
0.680							
0690 643.0705 Traffic Control Warning Lights Type A DAY 3,600.000							
OT10	0690	643. 0705	Traffic Control Warning Lights Type A	DAY	20, 448. 000	20, 448. 000	
0720 644. 1410. S Temporary Pedestrian Surface Asphalt SF 3,000.000 3,000.000 0730 644. 1601. S Temporary Pedestrian Safety Fence LF 880.000 880.000 0750 645. 0140 Geotextile Fabric Type SAS SY 6,000.000 6,000.000 0760 646. 0106 Pavement Marking Epoxy 4-Inch LF 13,243.000 13,243.000 0770 646. 0600 Removing Pavement Markings EE 550.000 550.000 0780 647. 0206 Pavement Marking Smobs Bike Lane Epoxy EACH 18.000 18.000 0790 647. 0306 Pavement Marking Smobs Bike Lane Epoxy EACH 18.000 18.000 0800 647. 0306 Pavement Marking Stop Line Epoxy Beach EACH 3.000 3.000 0810 647. 0566 Pavement Marking Parking Stall Epoxy LF 216.000 216.000 0820 647. 0566 Pavement Marking Beach LF 116.000 116.000 0840 647. 0766 Pavement Marking Stop Stall Epoxy LF 116.000 116.000	0700	643. 0715	Traffic Control Warning Lights Type C	DAY	3, 600. 000	3, 600. 000	
0730 644, 1610. S Temporary Curb Ramp EACH 36,000 36,000 36,000 0740 644, 1616. S Temporary Pedestrian Safety Fence LF 880.000 880.000 880.000 0750 645,0140 Pavement Marking Epoxy 4-Inch LF 13,243.000 13,243.000 0770 646,0600 Removing Pavement Marking Simbol s Bike Lane Epoxy EACH 18,000 18,000 0790 647,0206 Pavement Marking Symbol s Bike Lane Epoxy EACH 18,000 18,000 0800 647,0206 Pavement Marking Symbol s Bike Lane Epoxy EACH 18,000 18,000 0800 647,0306 Pavement Marking Stop Line Epoxy Bike Lane Epoxy EACH 18,000 18,000 0810 647,0566 Pavement Marking Stop Line Epoxy Bike Lane Epoxy LF 216,000 36,000 0820 647,0766 Pavement Marking Stop Line Epoxy Bike Lane Epoxy LF 36,000 36,000 0830 647,0766 Pavement Marking Stop Line Epoxy LF 36,000 36,000 0850 650,4001 Construction							
0740 644, 1616, S Temporary Pedestri an Safety Fence LF 880,000 880,000 600,000							
0760 646.0106 Pavement Marking Epoxy 4-Inch LF 13,243.000 13,243.000 0770 646.0600 Removing Pavement Markings LF 550.000 550.000 0780 647.0206 Pavement Marking Arrows Bike Lane Epoxy EACH 18.000 18.000 0790 647.0306 Pavement Marking Symbols Bike Lane Epoxy EACH 18.000 18.000 0800 647.0406 Pavement Marking Stop Line Epoxy 18-Inch EACH 18.000 3.000 0810 647.0566 Pavement Marking Stop Line Epoxy 18-Inch LF 216.000 36.000 0820 647.0716 Pavement Marking Diagonal Epoxy 8-Inch LF 116.000 116.000 0840 647.0766 Pavement Marking Corswalk Epoxy 6-Inch LF 116.000 717.000 0850 650.4000 Construction Staking Storm Sewer EACH 57.000 57.000 0860 650.4500 Construction Staking Curb Gutter and LF Jack Gutter	0740	644. 1616. S	Temporary Pedestrian Safety Fence			880. 000	
0770 646.0600 Removing Pavement Markings LF 550.000 550.000 0780 647.0206 Pavement Marking Arrows Bike Lane Epoxy EACH 18.000 18.000 0790 647.0306 Pavement Marking Symbols Bike Lane Epoxy EACH 18.000 18.000 0800 647.0406 Pavement Marking Words Bike Lane Epoxy EACH 18.000 18.000 0810 647.0566 Pavement Marking Stop Line Epoxy 18-Inch LF 216.000 36.000 0820 647.0716 Pavement Marking Diagonal Epoxy 8-Inch LF 116.000 116.000 0840 647.0766 Pavement Marking Crosswalk Epoxy 6-Inch LF 116.000 717.000 0850 650.4000 Construction Staking Storn Sewer EACH 57.000 57.000 0860 650.4500 Construction Staking Curb Gutter and LF 38.000 38.000 38.000 0870 650.5000 Construction Staking Supplemental LS 1.000 1.000 1.000 0880 650.7000 Construction Staking Supplemental LS 1.000 1.000 1.000 0900 650.9920	0750	645. 0140	Geotextile Fabric Type SAS	SY	6, 000. 000	6, 000. 000	
0780 647.0206 Pavement Marking Arrows Bike Lane Epoxy EACH 18.000 18.000 0790 647.0306 Pavement Marking Symbols Bike Lane Epoxy EACH 18.000 18.000 0800 647.0406 Pavement Marking Stop Line Epoxy 18-Inch LF 16.000 3.000 0810 647.0566 Pavement Marking Stop Line Epoxy 18-Inch LF 216.000 36.000 0820 647.0716 Pavement Marking Stop Line Epoxy 8-Inch LF 36.000 36.000 0840 647.0766 Pavement Marking Diagonal Epoxy 8-Inch LF 116.000 116.000 0840 647.0766 Pavement Marking Storm Sewer LF 116.000 116.000 0840 647.0766 Pavement Marking Storm Sewer EACH 57.000 57.000 0850 650.4000 Construction Staking Storm Sewer EACH 57.000 57.000 0860 650.4500 Construction Staking Subgrade LF 5,089.000 5,089.000 0870 650.5500 Construction Staking Stop Stakes LF 5,08							
0790 647.0306 Pavement Marking Symbols Bike Lane Epoxy EACH 18.000 18.000 3.000 0800 647.0406 Pavement Marking Words Bike Lane Epoxy EACH 3.000 3.000 0810 647.0566 Pavement Marking Stop Line Epoxy 18-Inch LF LF 216.000 36.000 0820 647.0566 Pavement Marking Dargonal Epoxy 18-Inch LF LF 36.000 36.000 0840 647.0766 Pavement Marking Crosswalk Epoxy 6-Inch LF 116.000 116.000 0850 650.4500 Construction Staking Storm Sewer EACH 57.000 57.000 0860 650.4500 Construction Staking Subgrade LF 5,089.000 38.000 0870 650.500 Construction Staking Concrete Pavement LF 38.000 38.000 0880 650.7000 Construction Staking Supplemental LS 1.000 1.000 0890 650.9910 Construction Staking Slope Stakes LF 5,089.000 5,089.000 0900 650.9920 Construction Staking Slope Stakes LF 1,280.000							
0810 647.0566 Pavement Marking Stop Line Epoxy 18-Inch LF 216.000 36.000 0820 647.0566 Pavement Marking Stal I Epoxy LF 36.000 36.000 0830 647.0716 Pavement Marking Diagonal Epoxy 8-Inch LF 116.000 116.000 0840 647.0766 Pavement Marking Crosswalk Epoxy 6-Inch LF 717.000 717.000 0850 650.4000 Construction Staking Storm Sewer EACH 57.000 57.000 0860 650.4500 Construction Staking Subgrade LF 5,089.000 5,089.000 0870 650.5500 Construction Staking Curb Gutter and LF 38.000 38.000 0870 650.7000 Construction Staking Supplemental LS 1.000 1.000 0890 650.9910 Construction Staking Supplemental LS 1.000 1.000 0900 650.9920 Construction Staking Slope Stakes LF 5,089.000 5,089.000 0910 690.0150 Sawing Asphalt LF 1,280.000 1,458.000 0920 690.0250 Sawing Concrete Pavement DOL 6,083.000 6,083.000 0940 ASP.1T0A On-the-Job Training Graduate at \$5.00/HR HRS 1,320.000 1,320.000 0960 SPV.0060 Special O1. Inlet Cover Special EACH 39.000 39.000	0790	647. 0306	Pavement Marking Symbols Bike Lane Epoxy	EACH	18.000	18. 000	
0820 647.0656 Pavement Marking Parking Stail Epoxy LF 36.000 36.000 0830 647.0716 Pavement Marking Diagonal Epoxy 8-Inch LF 116.000 116.000 0840 647.0766 Pavement Marking Crosswal k Epoxy 6-Inch LF 717.000 717.000 0850 650.4000 Construction Staking Storm Sewer EACH 57.000 57.000 0860 650.4500 Construction Staking Curb Gutter and Curb & Gutter LF 5,089.000 38.000 0870 650.5500 Construction Staking Concrete Pavement LF 38.000 38.000 0880 650.7000 Construction Staking Supplemental LS 1.000 1.000 0890 650.9910 Construction Staking Supplemental LS 1.000 1.000 0900 650.9920 Construction Staking Slope Stakes LF 5,089.000 5,089.000 0910 690.0250 Sawing Asphalt LF 1,280.000 1,280.000 0920 690.0250 Sawing Concrete LF 1,458.000 1,458.000 0930 </td <td>0800</td> <td>647. 0406</td> <td>Pavement Marking Words Bike Lane Epoxy</td> <td>EACH</td> <td>3. 000</td> <td>3. 000</td> <td></td>	0800	647. 0406	Pavement Marking Words Bike Lane Epoxy	EACH	3. 000	3. 000	
0830 647.0716 Pavement Marking Diagonal Epoxy 8-Inch LF 116.000 116.000 116.000 0840 647.0766 Pavement Marking Crosswal k Epoxy 6-Inch LF 177.000 717.000 717.000 0850 650.4500 Construction Staking Subgrade LF 5,089.000 5,089.000 0870 650.5500 Construction Staking Curb Gutter and LF LF 38.000 38.000 0880 650.7000 Construction Staking Concrete Pavement LF 5,089.000 5,089.000 0890 650.9910 Construction Staking Supplemental LS LS 1.000 1.000 0900 650.9920 Construction Staking Slope Stakes LF 5,089.000 5,089.000 0910 690.0150 Sawing Asphalt LF 1,280.000 1,280.000 0920 690.0250 Sawing Concrete LF 1,458.000 1,458.000 0930 715.0415 Incentive Strength Concrete Pavement DUL 6,083.000 6,083.000 6,083.000 0940 ASP.1T0A On-the-Job Training Graduate at \$5.00/HR HRS 1,320.000 1,320.000 0960 SPV.0060 Special 01. Inlet Co							
0840 647.0766 Pavement Marking Crosswalk Epoxy 6-Inch 0850 LF 717.000 717.000 57.000 0860 650.4000 Construction Staking Storm Sewer LF 5,089.000 5,089.000 0870 650.5500 Construction Staking Curb Gutter and LF 38.000 38.000 0880 650.7000 Construction Staking Concrete Pavement LF 5,089.000 5,089.000 0890 650.9910 Construction Staking Supplemental LS LS 1.000 1.000 0900 650.9920 Construction Staking Slope Stakes LF 5,089.000 5,089.000 0910 690.0150 Sawing Asphalt LF 1,280.000 1,280.000 0920 690.0250 Sawing Concrete LF 1,458.000 1,458.000 0930 715.0415 Incentive Strength Concrete Pavement DOL 6,083.000 6,083.000 6,083.000 0940 ASP.1T0A On-the-Job Training Apprentice at \$5. HRS 2,000.000 2,000.000 0950 ASP.000 Special O1. Inlet Cover Special EACH 39.000 39.000							
0860 650. 4500 Construction Staking Subgrade LF 5, 089. 000 5, 089. 000 0870 650. 5500 Construction Staking Curb Gutter and LF 38. 000 38. 000 Curb & Gutter 0880 650. 7000 Construction Staking Concrete Pavement LF 5, 089. 000 5, 089. 000 0890 650. 9910 Construction Staking Supplemental LS 1. 000 1. 000 Control (project) 01. 4989-00-19 0900 650. 9920 Construction Staking Slope Stakes LF 5, 089. 000 5, 089. 000 0910 690. 0150 Sawing Asphal t LF 1, 280. 000 1, 280. 000 0920 690. 0250 Sawing Concrete LF 1, 458. 000 1, 458. 000 0930 715. 0415 Incentive Strength Concrete Pavement DOL 6, 083. 000 6, 083. 000 0940 ASP. 1TOA 0n-the-Job Training Apprentice at \$5. HRS 2, 000. 000 2, 000. 000 0950 ASP. 1TOG 0n-the-Job Training Graduate at \$5. 00/HR HRS 1, 320. 000 39. 000 0960 SPV. 0060 Special 01. Inlet Cover Special EACH 39. 000 39. 000	0840	647. 0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	717. 000	717. 000	
0870 650. 5500 Construction Staking Curb Gutter and Curb & Gutter LF 38.000 38.000 0880 650. 7000 Construction Staking Supplemental LS LF 5,089.000 5,089.000 0890 650. 9910 Construction Staking Supplemental LS LS 1.000 1.000 0900 650. 9920 Construction Staking Slope Stakes LF 5,089.000 5,089.000 0910 690. 0150 Sawing Asphal t LF 1,280.000 1,280.000 0920 690. 0250 Sawing Concrete LF 1,458.000 1,458.000 0930 715. 0415 Incentive Strength Concrete Pavement DOL 6,083.000 6,083.000 0940 ASP. 1T0A On-the-Job Training Apprentice at \$5. HRS 2,000.000 2,000.000 0950 ASP. 1T0G On-the-Job Training Graduate at \$5.00/HR HRS 1,320.000 1,320.000 0960 SPV. 0060 Special 01. Inlet Cover Special EACH 39.000 39.000	0850	650. 4000	Construction Staking Storm Sewer	EACH	57. 000	57. 000	
Curb & Gutter 0880 650.7000 Construction Staking Concrete Pavement LF 5,089.000 5,089.000 0890 650.9910 Construction Staking Supplemental LS 1.000 1.000 0900 650.9920 Construction Staking Slope Stakes LF 5,089.000 5,089.000 0910 690.0150 Sawing Asphal t LF 1,280.000 1,280.000 0920 690.0250 Sawing Concrete LF 1,458.000 1,458.000 0930 715.0415 Incentive Strength Concrete Pavement DOL 6,083.000 6,083.000 0940 ASP.1TOA On-the-Job Training Apprentice at \$5. HRS 2,000.000 0950 ASP.1TOG On-the-Job Training Graduate at \$5.00/HR HRS 1,320.000 1,320.000 0960 SPV.0060 Special O1. Inlet Cover Special EACH 39.000 39.000							
0890 650. 9910 Construction Staking Supplemental Control (project) 01. 4989-00-19 LS 1.000 1.000 0900 650. 9920 Construction Staking Slope Stakes LF 5,089.000 5,089.000 0910 690. 0150 Sawing Asphal t LF 1,280.000 1,280.000 0920 690. 0250 Sawing Concrete LF 1,458.000 1,458.000 0930 715. 0415 Incentive Strength Concrete Pavement DOL 6,083.000 6,083.000 0940 ASP. 1T0A On-the-Job Training Apprentice at \$5. HRS 2,000.000 2,000.000 0950 ASP. 1T0G On-the-Job Training Graduate at \$5.00/HR HRS 1,320.000 1,320.000 0960 SPV. 0060 Special 01. Inlet Cover Special EACH 39.000 39.000			Curb & Gutter				
Control (project) 01. 4989-00-19 O900 650.9920 Construction Staking Slope Stakes LF 5,089.000 5,089.000 O910 690.0150 Sawing Asphal t LF 1,280.000 1,280.000 O920 690.0250 Sawing Concrete LF 1,458.000 1,458.000 O930 715.0415 Incentive Strength Concrete Pavement DOL 6,083.000 6,083.000 O940 ASP.1TOA On-the-Job Training Apprentice at \$5. HRS 2,000.000 2,000.000 O0/HR O950 ASP.1TOG On-the-Job Training Graduate at \$5.00/HR HRS 1,320.000 1,320.000 O960 SPV.0060 Special 01. Inlet Cover Special EACH 39.000 39.000							
0910 690.0150 Sawing Asphal t	0070		Control (project) 01. 4989-00-19				
0920 690.0250 Sawing Concrete LF 1,458.000 1,458.000 0930 715.0415 Incentive Strength Concrete Pavement DOL 6,083.000 6,083.000 0940 ASP.1T0A On-the-Job Training Apprentice at \$5. HRS 2,000.000 2,000.000 0950 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 1,320.000 1,320.000 0960 SPV.0060 Special 01. Inlet Cover Special EACH 39.000 39.000	0900	650. 9920	Construction Staking Slope Stakes	LF	5, 089. 000	5, 089. 000	
0930 715.0415 Incentive Strength Concrete Pavement DOL 6,083.000 6,083.000 6,083.000 0940 ASP.1T0A On-the-Job Training Apprentice at \$5. HRS 2,000.000 2,000.000 0950 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 1,320.000 1,320.000 0960 SPV.0060 Special 01. Inlet Cover Special EACH 39.000 39.000							
0940 ASP. 1T0A					6, 083. 000		
0950 ASP. 1T0G On-the-Job Training Graduate at \$5.00/HR HRS 1,320.000 1,320.000 0960 SPV. 0060 Special 01. Inlet Cover Special EACH 39.000 39.000			On-the-Job Training Apprentice at \$5.				
	0950	ASP. 1TOG		HRS	1, 320. 000	1, 320. 000	
UY/U SPV. UU6U Special U2. Adjusting Water Valve Boxes EACH 30.000 30.000							
	0970	SPV. 0060	Special 02. Adjusting Water Valve Boxes	EACH	30.000	30. 000	

DATE 12	2JAN16	E S	ТІМАТ	E OF QUAN		
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	4989-00-19 QUANTI TY	
0980	SPV. 0060	Special O4. Adjusting Curb Boxes	EACH	51. 000	51. 000	
0990	SPV. 0060	Special O5. Steel Plate Covers	EACH	2.000	2. 000	
1000	SPV. 0060	Special 06. Sign Post 14 FT	EACH	33. 000	33. 000	
1010	SPV. 0060	Special 07. Sign Post 16 FT	EACH	16. 000	16. 000	
1020	SPV. 0060	Special 09. Storm Sewer to Concrete Box	EACH	1. 000	1. 000	
		Culvert Connection				
1030	SPV. 0075	Special 01. Street Sweeping	HRS	100.000	100.000	
1040	SPV. 0090	Special O2. Storm Sewer Lateral 4 INCH	LF	791. 000	791. 000	
1050	SPV. 0090	Special 04. Storm Sewer Lateral 6 INCH	LF	258. 000	258. 000	
1060	SPV. 0090	Special O6. Storm Sewer Pipe PVC 12 INCH		937. 000	937. 000	
1070	SPV. 0090	Special 10. Televising Storm Sewer	LF	4, 849. 000	4, 849. 000	
1080	SPV. 0090	Special 11. Salvage and Reset Fence	LF	208.000	208.000	
1090	SPV. 0105	Special 01. Concrete Pavement Joint Layout	LS	1. 000	1. 000	
1100	SPV. 0120	Special 01. Water for Seeded Areas	MGAL	8. 600	8. 600	
1110	SPV. 0165	Special 01. Salvage and Reset Landscaping	SF	705. 000	705. 000	
1120	SPV. 0180	Special 01. Sealing Concrete Pavement Joints	SY	20, 275. 000	20, 275. 000	

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING PAVEMENT

204.0100

STATION	LOCATION	S.Y.
	KIMBERLY AVE (INCL. SIDEROADS & D/W'S) APPROX AREA PREVIOUSLY REMOVED	23,580 (8,100)

PROJECT TOTAL 15,480

REMOVING CURB AND GUTTER

204.0150

STATION	LOCATION	LF
		_
28+90 LT	SUNSET PARK ROAD	13
29+20 LT	SUNSET PARK ROAD	14
50+00 RT	DRIVEWAY	5
50+35 RT	DRIVEWAY	5

PROJECT TOTAL 37

<u>GRU</u>	В	В	IN	<u> </u>
20,	1 (2	Ω.	

STATION	LOCATION	ID	_	STATION	LOCATION	ID
11+09	LT	18		33+11	LT	20
11+90	LT	18		33+40	RT	28
12+30	LT	24		34+31	LT	20
14+70	LT	12		34+78	LT	20
16+90	RT	8		35+51	LT	24
17+05	RT	12		35+90	LT	16
17+10	LT	20		36+30	LT	24
17+50	RT	12		37+48	RT	16
18+00	LT	16		37+51	LT	14
18+00	RT	36		37+90	LT	12
19+60	RT	30		42+30	LT	16
20+48	LT	24		42+70	LT	10
20+86	LT	16		44+30	LT	16
21+29	LT	24		44+70	LT	18
21+68	LT	22		45+06	RT	24
24+25	RT	24		45+08	LT	16
24+60	RT	16		46+30	RT	24
25+85	LT	16		46+73	LT	18
26+40	LT	18		47+16	LT	18
26+90	LT	20		48+35	LT	20
27+43	LT	18		48+72	LT	20
27+75	LT	18		48+90	RT	26
29+97	RT	20		49+11	LT	24
30+40	RT	20		49+52	LT	20
30+73	RT	18		50+71	LT	24
31+15	RT	22		50+93	RT	24
31+50	LT	24		51+33	RT	24
31+90	LT	24		51+73	RT	24
32+71	LT	18		52+52	RT	28
33+00	RT	16				
	SUBTOTAL	584	-		SUBTOTAL	588
	SOBIOTAL	J0 4			SOBIOTAL	300

TOTAL 1172

PROJECT NO: 4989-00-19

HWY: KIMBERLY AVENUE

COUNTY: OUTAGAMIE

MISCELLANEOUS QUANTITIES

SHEET

204.0155

ABANDONING MANHOLES AND INLETS

North Side		S.Y.								204.0260 ABANDONING
									MANHOLES	INLETS
10+61.40 LT - 17+45.35 LT	Project Limits to Roger St.	332					STATION	LOCATION	EACH	EACH
17+45.35 LT - 29+02.05 LT	Roger St. to Sunset Park Rd.	509								
29+02.05 LT - 39+72.93 LT	Sunset Park Rd. to Parkside Ct.	573					11+47	W. KIMBERLY AVE. RT & LT		2
39+72.93 LT 47+80.38 LT	Parkside Ct. to Somerset La.	377					13+53	W. KIMBERLY AVE. LT	1	
47+80.38 LT - 51+90.25 LT	Somerset La. to Clark St.	238					17+09	W. KIMBERLY AVE. RT		1
				REMOVING MANHOLES	AND INLET	S	17+19	W. KIMBERLY AVE. RT	1	
51+90.25 LT - 53+53.29 LT	Clark St. to Project Limits	54				_	17+34	W. KIMBERLY AVE. LT		1
NODTH CIDE TOTAL C		2002			204.0210	204.0220	17+80	W. KIMBERLY AVE. LT		1
NORTH SIDE TOTALS		2083			REMOVING	REMOVING				1
0 4 01 1					MANHOLES	INLETS	19+69	W. KIMBERLY AVE. LT	4	ı
South Side	D : (1): '() D = 0(0.45	STATION	LOCATION	EACH	EACH	19+91	W. KIMBERLY AVE. LT	1	4
10+61.40 RT - 17+48.21 RT	Project Limits to Roger St.	315					20+20	W. KIMBERLY AVE. RT		1
17+48.21 RT - 20+00.10 RT	Roger St. to Linda St.	146	17+58	W. KIMBERLY AVE. RT		1	22+73	W. KIMBERLY AVE. LT		1
20+00.10 RT - 23+03.90 RT	Linda St. to Karlyn St.	162	17+60	W. KIMBERLY AVE. RT	1		00.04	NA KINADEDIN ANG LE	4	
23+03.90 RT - 26+05.54 RT	Karlyn St. to Patrick St.	168	19+81	W. KIMBERLY AVE. RT		1	23+04	W. KIMBERLY AVE. LT	1	_
26+05.54 RT - 29+02.05 RT	Patrick St. to Helen St.	160	22+85	W. KIMBERLY AVE. RT		1	23+24	W. KIMBERLY AVE. RT		1
			25+87	W. KIMBERLY AVE. RT		1	25+73	W. KIMBERLY AVE. LT		1
29+02.05 RT - 31+99.19 RT	Helen St. to Anne St.	163					25+95	W. KIMBERLY AVE. LT	1	
31+99.19 RT - 37+78.85 RT	Anne St. to Wilbur St.	316	28+66	W. KIMBERLY AVE. LT		1	26+04	W. KIMBERLY AVE. LT	1	
37+78.85 RT - 43+47.96 RT	Wilbur St. to Joseph St.	298	28+82	W. KIMBERLY AVE. RT		1				
43+47.96 RT - 47+80.38 RT	Joseph St. to Louise St.	219	29+16	W. KIMBERLY AVE. LT	1		26+25	W. KIMBERLY AVE. RT		1
47+80.38 RT - 53+53.29 RT	Louise St. to Project Limits	286	31+58	W. KIMBERLY AVE. LT		1	26+44	W. KIMBERLY AVE. RT	1	
			31+65	W. KIMBERLY AVE. LT	1		28+22	W. KIMBERLY AVE. LT	1	
SOUTH SIDE TOTALS		2233					28+68	W. KIMBERLY AVE. LT	1	
			31+77	W. KIMBERLY AVE. RT		1	29+22	W. KIMBERLY AVE. RT		1
			32+14	W. KIMBERLY AVE. RT		1				
	PROJECT TOTAL	4316	34+83	W. KIMBERLY AVE. LT & RT		2	29+42	W. KIMBERLY AVE. RT	1	
			37+86	W. KIMBERLY AVE. RT	1		31+85	W. KIMBERLY AVE. LT	1	
			43+69	W. KIMBERLY AVE. RT		1	38+13	W. KIMBERLY AVE. RT & LT		2
							43+17	W. KIMBERLY AVE. LT		1
			47+49	W. KIMBERLY AVE. LT		1	43+28	W. KIMBERLY AVE. RT		1
			47+61	W. KIMBERLY AVE. RT		1				
			50+34	W. KIMBERLY AVE. RT	1	•	43+33	W. KIMBERLY AVE. RT		1
			51+57	W. KIMBERLY AVE. LT	•	1	47+54	W. KIMBERLY AVE. RT	1	
			01107	W. KIMBERET /WE. ET		,	47+98	W. KIMBERLY AVE. RT		1
							51+63	W. KIMBERLY AVE. RT	1	
				PROJECT TOTALS	F	15	51+67	W. KIMBERLY AVE. RT & LT	1	1
				PROJECT TOTALS	5	15	53+49	W. KIMBERLY AVE. RT	1	·
								PROJECT TOTALS	15	19

SHEET E

REMOVING STORM SEWER

		204.0245.01 12-INCH OR LESS		204.0245.03 24 to 30-INCH			204.0245.01 12-INCH OR LESS	204.0245.02 15 to 21-INCH	
STATION	LOCATION	LF	LF	<u>LF</u>	STATION	LOCATION	LF	LF	LF
11+30	23' RT.	60			25+98	5.5' LT.	8		
11+47	5.5' LT.	7			26+23	43' RT.	10		
12+64	18' LT	5			27+70	28' RT	5		
13+00	19' LT	5			28+67	18' LT.	4		
13+72	20' LT	5			28+85	44' RT.	18		
14+40	20' LT	5			29+16	25' LT.	5		
15+07	20' LT	5			29+19	50' RT.	8		
15+95	20' LT	5			29+55	27' RT	5		
16+78	21' LT	5			30+65	27' RT	5		
17+05	60' RT.	11			31+61	17' LT.	5		
17+55	30' RT.		7		31+63 - 31+77	27'RT		16	
17+59	31' RT 55' RT.	28			31+78 - 32+12	27' - 41' RT.	55		
17+70	29' RT 14' LT.	52			31+81	5' LT.		10	
18+49	31' RT	5			36+17	31'RT	5		
19+47	31' RT	5			37+13	31'RT	5		
19+80	17.5' LT.	19			37+78	30' RT.	8		
19+81	31' RT 46' RT.	15			38+00	30' RT.	28		
19+85	29' RT.	5			43+29	36' RT.	5		
20+00	5' LT.	9			43+72	26' RT.		5	
20+18	44' RT.	8			44+56	33'RT		5	
20+67	28' RT	5			45+74	33'RT		5	
21+13	28' RT	5			46+41	33'RT		5	
22+85	31' RT 48' RT.	17			46+76	33'RT		5	
22+88	18' LT.	8			47+51	6'LT.	43		
22+90	29' RT.	6			47+58	29' RT.		5	
23+22	43' RT.	9			48+95	30' RT		5	
23+82	28' RT	5			51+63	4' LT			8
24+68	28' RT	5			51+67	3' LT.	8		
25+80	29' RT.	9			53+50	23' RT.			6
25+89	18' LT.	8							
SUBTOTAL		336	7	0	SUBTOTAL		230	61	14
					PROJECT TOTA	ALS	566	68	14

MISCELLANEOUS QUANTITIES

COUNTY: OUTAGAMIE

HWY: KIMBERLY AVENUE

PROJECT NO: 4989-00-19

SHEET

E

				EARTHV	VORK SUMMARY					
Division	From/To Station	Location	Common Excavation ((Item #205.0100)	Salvaged/Unusable Pavement Material	Available Material	Unexpanded Fill	*Expanded Fill	Mass Ordinate +/-	Comment:
			Cut	EBS				Factor		
0010	10+61.41 - 53+53.29	KIMBERLY	11,799		4,387	7,432	83	111	7,322	
	78+96 - 80+57	ROGER	209		132	77	2	3	74	
	89+35 - 90+00	LINDA	45		53	-8	0	0	-8	
	99+35 - 100+00	KARLYN	48		53	-5	0	0	-6	
	109+36 - 110+00	PATRICK	62		52	10	1	1	9	
-	119+43 - 120+00	HELEN	42		38	4	1	1	4	
	129+35 -130+00	ANNE	59		53	6	0	0	6	
	139+46 - 140+00	WILBUR	29		26	3	1	1	2	
	150+00 - 150+48	PARKSIDE	24		21	3	0	0	3	
	159+28 - 160+00	JOSEPH	68		59	9	0	0	8	
	169+47 -170+46	LOUISE/SOMERSET	46		50	-4	0	0	-4_	
		UNDISTRIBUTED		2,000	0	0	0	0	0	
Subtotal			12.432	2,000	4,905	7,528	89	118	7,410	
Grand Total			14,432		4,905	7,528	89	118	7,410	
			Total Common Exc	14,432						
	*EXPANSION FACTOR FOR	R FILL = 33%	Total Common Exc	14,432						
		27.55-3.556								
	MASS ORDINATE: F	POSITIVE QUANTITY INDICATES	AN EXCESS OF MATERIAL C	N THE PROJECT						

CONCRETE PAVEMENT GAPS

415.0210

STATION - STATION	LOCATION	305.012 DENSE 1 1/4-INCH TON	311.011 BREAKER RUN TON
10+61.40 - 53+53.29 10+61.40 - 53+53.29 10+61.40 - 53+53.29 UNDISTRIBUTED	KIMBERLY AVE MAINLINE AND SIDEROADS DRIVEWAYS SIDEWALK KIMBERLY AVE.	7675 500 500 100	- - 4000
	PROJECT TOTALS	8775	4000

BASE AGGREGATE

LOCATION	EACH
D005D 07	•
ROGER ST	1
HELEN ST/SUNSET PARK RD	1
SUNSET PRK ENTRANCE	1
PARKSIDE CT	1
BUSINESS ACCESS	1
BUSINESS ACCESS	1
BUSINESS ACCESS	1
DDO IECT TOTAL	7
	ROGER ST HELEN ST/SUNSET PARK RD SUNSET PRK ENTRANCE PARKSIDE CT BUSINESS ACCESS BUSINESS ACCESS

CONCRETE PAVEMENT SUMMARY

STATION - STATION	LOCATION	415.0080 CONCRETE PAVEMENT 8-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	CATEGORY 0020 SPV.0180.01 SEALING CONCRETE PAVEMENT JOINTS SY
	WINDERLY AVE A CIREDOARD	00075			00075
MAINLINE PAVEMENT	KIMBERLY AVE & SIDEROADS	20275		00	20275
10+61.40	W. MATCH POINT		4	29	
80+57.39	N. ROGER ST MATCH POINT		4	22	
78+95.82	S. ROGER ST MATCH POINT		4	22	
89+35.26	LINDA ST MATCH POINT		4	22	
99+34.92	KARLYN ST MATCH POINT		4	22	
109+36	PATRICK ST MATCH POINT		4	22	
119+43.46	HELEN ST MATCH POINT		4	22	
29+00	SUNSET PARK RD MATCH		4		
129+35	ANNE ST MATCH POINT		4	22	
139+46.36	WILBUR ST MATCH POINT		4	22	
150+47.64	PARKSIDE CT MATCH POINT		4	22	
159+28.08	JOSEPH ST MATCH POINT		4	22	
170+45.81	SOMERSET LN MATCH POINT		4	15	
169+46.67	SOUTH LOUISE ST MATCH POINT	•	4	22	
180+47.32	CLARK ST MATCH POINT		4	39	
53+53.29	E. MATCH POINT		4	27	
	PROJECT TOTALS	20275	64	352	20275

CONCRETE DRIVEWAY

OTATION.	LOCATION	416.0160 6-INCH	416.0180 8-INCH	OTATION	LOCATION	416.0160 6-INCH	416.0180 8-INCH
STATION	LOCATION	SY	SY	STATION	LOCATION	SY	SY
10+93	1532 KIMBERLY AVE.	32		35+18	817 KIMBERLY AVE.	26	
11+48	1511 KIMBERLY AVE	31		35+99	809 KIMBERLY AVE.	25	
12+04	1512 KIMBERLY AVE.	25		36+89	SUNSET PARK ENT.		47
12+13	1505 KIMBERLY AVE.	45		38+08	760 KIMBERLY AVE.		41
12+79	1504 KIMBERLY AVE.	27		39+15	733 KIMBERLY AVE.	28	
12+95	1443 KIMBERLY AVE.	46		40+88	727 KIMBERLY AVE.	48	
13+49	1438 KIMBERLY AVE.	26		41+13	730 KIMBERLY AVE.		42
13+65	1435 KIMBERLY AVE.	34		41+94	717 KIMBERLY AVE.	37	
14+24	1430 KIMBERLY AVE.	19		42+54	710 KIMBERLY AVE.		31
14+32	1427 KIMBERLY AVE.	31		43+48	700 KIMBERLY AVE.		44
14+95	1420 KIMBERLY AVE.	31		159+46 (JOESPH ST.)	703 KIMBERLY AVE.	32	
15+09	1419 KIMBERLY AVE.	29		44+10	647 KIMBERLY AVE.	19	
15+71	1414 KIMBERLY AVE	31		44+50	654/652 KIMBERLY AVE.		34
15+81	1411 KIMBERLY AVE.	48		45+16	639 KIMBERLY AVE.	29	
16+47	1408 KIMBERLY AVE	31		45+90	650 KIMBERLY AVE.	29	
17+87	1351 KIMBERLY AVE.	39		46+60	633 KIMBERLY AVE.	19	
19+47	1348 KIMBERLY AVE.		42	47+35	627 KIMBERLY AVE.	24	
21+72	1200 KIMBERLY AVE.		42	48+37	615 KIMBERLY AVE.	29	
21+76	1211 KIMBERLY AVE.	37		49+49	545 KIMBERLY AVE.	48	
24+77	1111 KIMBERLY AVE.	30		49+95	600 KIMBERLY AVE.		29
25+51	1200 KIMBERLY AVE.		42	50+21	515 KIMBERLY AVE.		48
27+22	1011 KIMBERLY AVE.	71		53+35	510 KIMBERLY AVE.		33
27+28	1012 KIMBERLY AVE.	22					
30+33	909 KIMBERLY AVE.	63					
33+92	825 KIMBERLY AVE.	32					
SUBTOTAL		780	126	SUBTOTAL		393	349
					PROJECT TOTALS	1173	475

ASPHALTIC ITEMS

STATION - STATION	LOCATION	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DW'S & FE'S TON
17+90 - 25+70	KIMBERLY AVE LT		30
27+30	KIMBERLY AVE LT		1
28+89 - 29+17	SUNSET PARK ROAD	8	,
33+07	TRAIL LT	8	
36+95	KIMBERLY AVE LT		3
37+95 - 39+15	KIMBERLY AVE LT		10
40+15 - 41+50	KIMBERLY AVE LT		10
42+54	KIMBERLY AVE LT		1
43+48	KIMBERLY AVE LT		2
44+52	KIMBERLY AVE LT		2
49+95	KIMBERLY AVE LT		2
50+15	KIMBERLY AVE RT		3
53+35	KIMBERLY AVE LT		2
	PROJECT TOTALS	16	66

STATION - STATION	LOCATION	601.0405 18-INCH TYPE A LF	601.0407 18-INCH TYPE D LF	601.0600 CURB PEDESTRIAN LF
10+61.40 - 17+45.35 LT. & RT.	E. LIMITS TO S. ROGER ST	1424		20
17+45.35 - 20+00.00 LT. & RT.	S. ROGER ST TO LINDA ST	587		-
20+00.00 - 23+03.90 LT. & RT.	LINDA ST. TO KARLYN ST	645		
23+03.90 - 26+05.54 LT. & RT.	KARLYN ST TO PATRICK ST	640		
26+05.54 - 29+02.05 LT. & RT.	PATRICK ST TO HELEN ST	614	14	
29+02.05 - 31+99.19 LT. & RT.	HELEN ST TO ANNE ST	616	14	
31+99.19 - 37+78.85 LT. & RT.	ANNE ST TO WILBUR	1186		
37+78.85 - 39+72.93 LT. & RT.	WILBUR ST TO PARKSIDE CT	403		
39+72.93 - 43+47.96 LT. & RT.	PARKSIDE CT TO JOSEPH ST.	782		
43+47.96 - 47+80.34 LT. & RT.	JOSEPH ST TO SOMERSET LN	904		
47+80.34 - 53+53.29 LT. & RT.	SOMERSET LN TO W. LIMITS	1138	10	

CONCRETE SIDEWALK

PROJECT TOTALS

		602.0405 4-INCH	602.0415 6-INCH
STATION - STATION	LOCATION	SF	SF
10+61 - 17+05 RT	E. LIMITS TO ROGER ST	2629	50
17+50 - 19+83 RT	S. ROGER ST TO LINDA ST	1091	289
20+15 - 22+90 RT	LINDA ST TO KARLYN ST	1256	257
23+20 - 25+90 RT	KARLYN ST TO PATRICK ST	1331	252
26+22 - 28+85 RT	PATRICK ST TO HELEN ST	1234	257
29+18 - 31+83 RT	HELEN ST TO ANNE ST	1241	256
32+15 - 37+62 RT	ANNE ST TO WILBUR ST	2669	251
37+95 - 43+32 RT	WILBUR ST TO JOSEPH ST	2416	290
43+65 - 47+64 RT	JOSEPH ST TO LOUISE ST	1760	252
47+97 - 53+59 RT	LOUISE ST TO W. LIMITS	2489	222
10+61 - 17+40 LT	E. LIMITS TO ROGER ST	2879	154
17+83 - 28+85 LT	ROGER ST TO SUNSET PARK RD	4974	448
29+19 - 39+55 LT	SUNSET PARK RD TO PARKSIDE CT	4925	362
39+90 - 47+66 LT	PARKSIDE CT TO SOMERSET LN	3348	303
47+95 - 51+71 LT	SOMERSET LN TO CLARK ST	1940	123
52+47 - 53+53 LT	CLARK ST TO W. LIMITS	443	34

PROJECT TOTALS 36,625 3800

SHEET

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

602.0515

ADJUSTING MANHOLE COVERS

611.8110

9	INTERSECTION	LOCATION	SF	INTERSECTION	LOCATION	SF
	N. ROGER ST N. ROGER ST S. ROGER ST. S. ROGER ST. LINDA ST	NW QUAD NE QUAD SW QUAD SE QUAD N. SIDE	20 10 10 20 20	WILBUR ST WILBUR ST WILBUR ST PARKSIDE CT PARKSIDE CT	N. SIDE SW QUAD SE QUAD S. SIDE NW QUAD	10 20 10 20 20
	LINDA ST LINDA ST KARLYN ST KARLYN ST KARLYN ST	SW QUAD SE QUAD N. SIDE SW QUAD SE QUAD	20 20 20 20 20 20	PARKSIDE CT JOSEPH ST. JOSEPH ST. JOSEPH ST. SOMERSET LN/ S.LOUISE ST	NE QUAD N. SIDE SW QUAD SE QUAD NW QUAD	20 20 20 20 20
	PATRICK ST PATRICK ST PATRICK ST HELEN ST HELEN ST	N. SIDE SW QUAD SE QUAD NW QUAD NE QUAD	20 20 20 20 20 20	SOMERSET LN/ S.LOUISE ST SOMERSET LN/ S.LOUISE ST SOMERSET LN/ S.LOUISE ST CLARK ST CLARK ST	NE QUAD SW QUAD SE QUAD S. SIDE NW QUAD	20 20 20 20 20
	HELEN ST HELEN ST ANNE ST ANNE ST ANNE ST	SW QUAD SE QUAD N. SIDE SW QUAD SE QUAD	20 20 20 20 20 20	CLARK ST	NE QUAD	10
-		TOTAL	380	4-	TOTAL PROJECT TOTAL	280 660

STATION	LOCATION	EACH
CATEGORY 0020		
10+71.46	17.20' RT.	1
13+94.40	17,42' RT.	1
19+99.88	17.56' RT.	1
23+02.88	17.13' RT.	1
26+05.90	17.92' RT.	1
28+19.90	17.70' RT.	1
29+02.45	17.43' RT.	1
31+99.53	18.20' RT.	1
34+24.44	17.98' RT.	1
36+70.71	17,89' RT,	1
39+73.10	17.23' RT.	1
43+47.98	17.06' RT.	1
48+03.88	16.71' RT.	1
49+99.07	17.31' RT.	1
51+97.40	16.40' LT.	1

PROJECT TOTALS

15

RECONSTRUCTING MANHOLES

611.0420

STATION	LOCATION	EACH
CATEGORY 0020		
17+43.71	17.45' RT.	1

PROJECT TOTALS

WATER

STATION - STATION LOCATION* MGAL

10+61 - 53+53 KIMBERLY AVE 100

PROJECT TOTAL 100

*FOR BASE AGGREGATE DENSE COMPACTION AND DUST CONTROL

PROJECT NO: 4989-00-19

HWY: KIMBERLY AVENUE

COUNTY: OUTAGAMIE

MISCELLANEOUS QUANTITIES

SHEET

STORM SEWER SUMMARY

DOWNSTREAM	UPSTREAM	DOWNSTREAM	UPSTREAM	SPV.0090.06 SS PIPE PVC 12-INCH	608.0318 RCPSS CLASS III 18-INCH	608.0324 RCPSS CLASS III 24-INCH	608.0330 RCPSS CLASS III 30-INCH	520.8000 CONCRETE COLLARS FOR PIPE	SPV.0090.10 TELEVISING STORM SEWER	SLOPE
STRUCTURE	STRUCTURE	ELEVATION	ELEVATION	LF	LF	LF	LF	EA	LF	%
4. A	4.4.4	740.45	740.05	4.4					4.4	4.55
1.A	1.A1	742.45	742.95	11	-	-	-	-	11	4.55
1.A	1.A2	743.00	743.41	41	-	-	-	-	41	1.00
1.0	1.A	735.70	737.50	-	-	345	-	-	345	0.52
1.0	1.1	740.99	741.49	11	-	-	-	-	11	4.55
1.0	1.2	741.08	741.37	29	-	-	-	-	29	1.00
2.A	1.0	731.33	735.70	-	_	240	_	_	240	1.82
2.A	2.A1	737.00	737.50	11	-	-	-	-	11	4.55
2.0	2.A	731.00	731.33	-	-	67	-	-	67	0.49
2.0	2.1	731.00	732.50	-	65	-	-	-	65	2.31
2.1	2.2	732.50	732.90	-	40	-	-	-	40	1.00
0.0	EVICTING	70475	705.00	0				4	0	0.40
2.2	EXISTING	734.75	735.00	8	-	-	-	1	8	3.13
3.0	2.0	729.58	731.00	-	-	203	-	-	203	0.70
3.0	3.1	735.72	736.22	11	-	-	-	-	11	4.55
3.0	3.2	735.10	735.80	47	-	-	-	-	47	1.50
3.2	3.3	735.80	736.22	28	-	-	-	-	28	1.50
4.0	3.0	726.64	729.58	-	-	304	-	-	304	0.97
4.0	4.1	734.80	735.30	11	-	-	-	-	11	4.55
4.0	4.2	734.12	734.82	47	-	-	-	-	47	1.50
4.2	4.3	734.82	735.24	28	-	-	-	-	28	1.50
5.0	4.0	725.51	726.64	-	-	283	-	-	283	0.40
5.0	5.1	734.45	734.93	19		_	_	_	19	2.53
5.0	5.2	733.37	733.65	28	-	_	-	- -	28	1.00
5.2	5.3	733.65	733.05 734.15	53	-	-	-	-	53	0.94
6.0	5.0	733.81	734.13 725.51	-	-	342	-	-	342	0.50
6.0	EXISTING			- 18	-	34Z -	-	-	18	1.05
6.0	ENSTING	731.20	731.39	10	-	-	-	-	10	1.05
6.0	6.1	731.06	732.02	48	-	-	-	-	48	2.00
6.1	6.2	732.02	732.59	57	-	-	-	-	57	1.00
6.2	6.3	732.59	732.89	30	-	-	-	-	30	1.00
7.0	6.0	722.31	723.81	-	-	248	-	-	248	0.60
			SUBTOTALS	526	105	2022	0	4	2673	
			SUD IU IALS	536	105	2032	0	1	2013	

PAGE 1 OF 2

3

STORM SEWER SUMMARY

				SPV.0090.06 SS PIPE PVC	608.0318 RCPSS CLASS III	608.0324 RCPSS CLASS III	608.0330 RCPSS CLASS III	520.8000 CONCRETE COLLARS	SPV.0090.10 TELEVISING STORM	21.025
DOWNSTREAM STRUCTURE	UPSTREAM STRUCTURE	DOWNSTREAM ELEVATION	UPSTREAM ELEVATION	12-INCH LF	18-INCH LF	24-INCH LF	30-INCH LF	FOR PIPE EA	SEWER LF	SLOPE %
OINCOTONE	CIRCOTORE	LLL V/(IIOIV	LLL V/(IIOIV	Li	<u> </u>	<u> </u>	<u> </u>		Li	70
7.0	7.1	729.45	729.95	11	-	-	-	-	11	4.55
7.0	7.2	728.84	729.25	29	-	-	-	-	29	1.40
7.2	7.3	729.25	729.98	52	-	-	-	-	52	1.40
8.0	7.0	719.91	722.31	-	-	304	-	-	304	0.79
8.0	8.1	726.33	726.83	-	11	-	-	-	11	4.55
8.1	8.2	726.83	727.19	9	_	_	-	_	9	4.00
8.0	8.3	726.76	727.34	-	29	-	-	-	29	2.00
8.3	8.4	727.34	727.54	9	-	-	-	-	9	2.22
BOX CULVERT	8.0	719.79	719.91	-	-	-	13	-	13	0.92
8.0	9.0	726.00	727.50	-	-	313	-	-	313	0.48
9.0	9.1	732.15	732.65	11	_	_	_	_	11	4.55
9.0	10.0	727.50	727.85	-	_	36	_	_	36	0.97
10.0	10.1	732.15	732.40	25	-	-	-	-	25	1.00
10.0	10.2	732.87	732.99	12	-	-	-	-	12	1.00
11.0	11.1	733.06	733.56	11	-	-	-	-	11	4.55
11.0	11.2	732.55	733.07	52	_	_	_	_	52	1.00
11.2	11.3	733.07	733.37	30	_	_	_	_	30	1.00
12.0	11.0	729.77	732.11	-	-	359	_	-	359	0.65
12.0	12.1	730.30	730.65	11	_	-	_	_	11	3.18
12.0	12.2	729.95	730.34	50	-	-	-	-	50	0.78
12.2	12.3	730.34	730.64	30	_	_	_	_	30	1.00
13.0	12.0	729.16	729.77	-	_	302	_	_	302	0.20
13.0	12.0 13.A	729.16	729.40	_	38	-	_	_	38	0.63
14.0	13.0	728.87	729.16	_	-	102	_	_	102	0.03
14.0	14.1	728.87	729.17	12	-	-	-	-	12	2.50
14.1	14.2	729.17	729.44	9	-	-	-	-	9	3.00
14.0	14.3	728.87	729.16	29	-	-	-	-	29	1.00
14.3	14.4	729.16	729.39	9	-	-	-	-	9	2.56
15.0	14.0	728.37	728.87	-	-	203	-	-	203	0.25
15.0	EXIST MH	728.37	728.68	-	-	65	-	-	65	0.48
			SUBTOTALS	401	78	1684	13	0	2176	
		PRO	DJECT TOTALS	937	183	3716	13	1	4849 PAGE 2 OF 2	

COUNTY: OUTAGAMIE

MISCELLANEOUS QUANTITIES

HWY: KIMBERLY AVENUE

PROJECT NO: 4989-00-19

SHEET **E**

PAGE 1 OF 2

STORM SEWER STRUC	TURES
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			MANI	HOLES	INLETS	MANHOLE COVERS	INLET COVERS	STAKING			
		-	611.2004	611.2005	611.3230	611.0535	SPV.0060.01	650.4000	-		
STRUCTURE			4-FT DIA.	5-FT. DIA.	2X3-FT	TYPE J-SPECIAL	SPECIAL	STORM SEWER	RIM	FLOWLINE OF	STRUCTURE
NO.	STATION	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH		STRUCTURE	DEPTH
1.A	11+30	5.50' LT	1	-	-	1	-	1	747.64	737.50	8.89
1.A1	11+30	16.00' LT	-	-	1	-	1	1	747.45	742.95	3.50
1.A2	11+00	23.00' RT	-	-	1	-	1	1	747.20	743.41	2.79
1.0	14+74.79	5.50' LT	1	-	-	1	-	1	745.70	735.70	8.75
1.1	14+74.79	16.00' LT	-	-	1	-	1	1	745.51	741.49	3.02
4.0	44 74 70	00 00 DT							745.05	744.07	0.00
1.2	14+74.79	23.00' RT	-	-	1	-	1	1	745.35	741.37	2.98
2.A	17+14.68	5.50' LT	1	-	-	1	<u>-</u>	1	742.30	731.33	9.72
2.A1	17+14.68	16.00' LT	-	-	1	-	1	1	742.00	737.50	3.50
2.0	17+82.16	5.50' LT	1	-	-	1	-	1	741.78	731.00	9.53
2.1	79+53.78 (ROGER)	14.50' RT	1	-	-	-	1	1	741.88	732.50	8.38
2.2	79+28.02 (ROGER)	15.50' LT	1	_	-	<u>-</u>	1	1	742.08	732.90	8.18
3.0	19+85.05	5.50' LT	1	_	_	1	· -	1	740.56	729.58	9.73
3.1	19+85.11	16.00' LT	<u>.</u>	_	1	· -	1	1	740.37	736.22	3.15
3.2	89+59.21 (LINDA)	15.26' LT	_	_	1	_	1	1	740.18	735.80	3.38
3.3	89+59.11 (LINDA)	15.06' RT	_	_	1	_	1	1	740.22	736.22	3.00
3.3	00100.11 (EINDA)	13.00 1(1			,		ı	'	740.22	750.22	3.00
4.0	22+89.33	5.50' LT	1	-	-	1	-	1	739.65	726.64	11.76
4.1	22+89.33	16.00' LT	-	-	1	-	1	1	739.46	735.30	3.16
4.2	99+58.87 (KARLYN)	14.81' LT	-	-	1	-	1	1	739.22	734.82	3.40
4.3	99+59.05 (KARLYN)	15.16' RT	-	-	1	-	1	1	739.24	735.24	3.00
5.0	25+72.40	5.50' LT	1	-	-	1	-	1	738.80	725.51	12.04
5.1	25+88.68	16.00' LT	-	-	1	-	1	1	738.56	734.93	2.63
5.2	25+70.40	23.00' RT	-	-	1	-	1	1	738.46	733.65	3.81
5.3	109+58.87 (PATRICK)		-	-	1	-	1	1	738.56	734.15	3.41
6.0	29+14.78	5.50' LT	1	-	-	1	-	1	737.20	723.81	12.14
6.1	28+66.42	16.00' LT	-	-	1	-	1	1	737.52	732.02	4.50
6.2	119+59.01 (HELEN)	14.95' LT	_	_	1	_	1	1	737.30	732.59	3.71
6.3	119+48.09 (HELEN)	14.91' RT	_	_	1 .	_	1	1	737.32	732.89	3.43
7.0	31+63.17	5.50' LT	1	_	<u>'</u>	1	<u>'</u>	1	734.10	722.31	10.54
			'		-	ı	-	1			
7.1	31+63.26	16.00' LT	-	-	1	-	1	T 4	733.82	729.95	2.87
7.2	31+65.08	23.00' RT	-	-	1	-	1	1	733.75	729.25	3.50
		SUBTOTALS	11	0	19	9	21	30			

LOCATION IS TO CENTER OF STRUCTURE

FLOW LINE OF STRUCTURE = LOWEST PIPE FLOW LINE ELEVATION ENTERING STRUCTURES

RIM ELEVATION = FINISHED TYPICAL EDGE OF PAVEMENT FOR STRUCTURES WITH INLET COVERS RIM ELEVATION = TOP OF CASTING FOR STRUCTURES WITH TYPE J-S MANHOLE COVERS

STRUCTURE DEPTH = RIM ELEVATION MINUS FLOW LINE OF STRUCTURE MINUS 12" FOR STRUCTURES WITH INLET COVERS

STRUCTURE DEPTH = RIM ELEVATION MINUS FLOW LINE OF STRUCTURE MINUS 15" FOR MANHOLES WITH TYPE J-S MANHOLE COVERS

HWY: KIMBERLY AVENUE COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES PROJECT NO: 4989-00-19

SHEET

STORM	SEWER	STRUC	TURES

			MANH	HOLES	INLETS	MANHOLE COVERS	INLET COVERS	STAKING			
		-	611.2004	611.2005	611.3230	611.0535	SPV.0060.01	650.4000	_		
STRUCTURE			4-FT DIA.	5-FT. DIA.	2X3-FT	TYPE J-SPECIAL	SPECIAL	STORM SEWER	RIM	FLOWLINE OF	STRUCTURE
NO.	STATION	LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	ELEVATION	STRUCTURE	DEPTH
7.0	440 · E0 00 (ANNE)	4.4.40! DT			4		4	4	700.00	700.00	0.00
7.3	119+58.93 (ANNE)	14.49' RT	-	-	1	-	1	1	733.66	729.98	2.68
8.0	34+67	5.50' LT	-	1	-	1	-	1	731.68	719.91	10.52
8.1	34+67	16.00' LT	-	-	1	-	1	1	731.40	726.83	3.57
8.2	34+58	16.00' LT	-	-	1	-	1	1	731.41	727.19	3.22
8.3	34+67	23.00' RT	-	-	1	-	1	1	731.39	727.34	3.05
8.4	34+58	23.00' RT	-	-	1	-	1	1	731.40	727.54	2.86
9.0	37+80	5.50' LT	1	-	-	1	-	1	737.42	727.50	8.67
9.1	37+80.21	16.00' LT	_	-	1	-	1	1	737.15	732.65	3.50
10.0	139+69.87 (WILBUR)	7.24' RT	_	1	-	1	-	1	737.38	727.85	8.28
10.1	139+59.34 (WILBUR)	15.82' LT	_	-	1	-	1	1	736.90	732.40	3.50
	(,										
10.2	139+59.56 (WILBUR)	14.63' RT	_	_	1	-	1	1	737.49	732.99	3.50
11.0	43+86.88	5.50' LT	1	_	<u>-</u>	1	<u>-</u>	1	737.66	732.11	4.30
11.1	43+86.88	16.00' LT	· -	_	1	- -	1	1	737.38	733.56	2.82
11.2	159+58.90 (JOSEPH)	15.14' RT	_	_	1	_	1	1	737.68	733.07	3.61
11.3	159+59.19 (JOSEPH)	15.16' LT	_	_	1	_	1	1	737.76	733.37	3.39
11.0	100100.10 (0002111)	10.10 L1			'		,	,	707.70	700.07	0.00
12.0	47+45.64	5.50' LT	1	-	-	1	-	1	734.98	729.77	3.96
12.1	47+45.64	16.00' LT	-	-	1	-	1	1	734.69	730.65	3.04
12.2	169+59.40 (LOUISE)	14.82' LT	-	-	1	-	1	1	734.55	730.34	3.21
12.3	169+58.75 (LOUISE)	15.11' RT	_	-	1	-	1	1	734.66	730.64	3.02
13.0	50+48.11	5.50' LT	1	-	-	1	-	1	733.57	729.16	3.16
13.A	50+33.85	29.92' RT	1	-	-	1	-	1	733.70	729.4	3.05
14.0	51+49.64	5.50' LT	1	-	-	1	-	1	733.22	728.87	3.10
14.1	51+49.59	17.04' LT	-	-	1	-	1	1	732.95	729.17	2.78
14.2	51+58.29	19.87' LT	-	-	1	-	1	1	732.84	729.44	2.40
14.3	51+43.99	23.00' RT	_	-	1	-	1	1	732.94	729.16	2.78
14.4	51+34.99	23.00' RT	-	-	1	-	1	1	732.93	729.39	2.54
15.0	53+51.14	20.87' RT	-	1	-	1	-	1	734.91	728.37	5.29
		SUBTOTALS	6	3	18	9	18	27			
		CODICIALS	U	J	10	Ð	10	21			
	PROJI	ECT TOTALS	17	3	37	18	39	57			

PAGE 2 OF 2

LOCATION IS TO CENTER OF STRUCTURE

FLOW LINE OF STRUCTURE = LOWEST PIPE FLOW LINE ELEVATION ENTERING STRUCTURES

RIM ELEVATION = FINISHED TYPICAL EDGE OF PAVEMENT FOR STRUCTURES WITH INLET COVERS RIM ELEVATION = TOP OF CASTING FOR STRUCTURES WITH TYPE J-S MANHOLE COVERS

STRUCTURE DEPTH = RIM ELEVATION MINUS FLOW LINE OF STRUCTURE MINUS 12" FOR STRUCTURES WITH INLET COVERS

STRUCTURE DEPTH = RIM ELEVATION MINUS FLOW LINE OF STRUCTURE MINUS 15" FOR MANHOLES WITH TYPE J-S MANHOLE COVERS

HWY: KIMBERLY AVENUE PROJECT NO: 4989-00-19 COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES

SHEET

			LANDS	CAPING SU	<u>IMMARY</u>				ALL ITEM	S ON THIS SHEET ARE	CATEGORY	′ 0010 UNLE	ESS OTHERWISE NOTE
	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	SPV.0120.01 WATER FOR SEEDED AREAS MGAL				
\dashv	STATION - STATION	LOCATION	31	<u> </u>	31	CVVI	LD	LD	IVIGAL				
	North Side												
3	10+61.40 LT - 17+45.35 LT	Project Limits to Roger St.	609	-	609	0.4	11	-	0.6				
	17+45.35 LT - 29+02.05 LT	Roger St. to Sunset Park Rd.	877	-	877	0.6	16	-	0.9				
	29+02.05 LT - 39+72.93 LT S	Sunset Park Rd. to Parkside Ct.	1132	-	1132	0.7	20	-	1.1		SILT FE	<u>ENCE</u>	
	39+72.93 LT 47+80.38 LT	Parkside Ct. to Somerset La.	667	-	667	0.4	12	-	0.7				
\dashv	47+80.38 LT - 51+90.25 LT	Somerset La. to Clark St.	393	-	393	0.2	7	-	0.4			628.1504	628.1520
								-					MAINTENANCE
	51+90.25 LT - 53+53.29 LT	Clark St. to Project Limits	96	-	96	0.1	2	-	0.1	STATION - STATION	LOCATION	LF	LF
	UNDISTRIBUTED	,	-	377	-	-	-	14	0.4				
- [5			. .				• •	÷	25+70 - 27+25	LT	153	153
	NORTH SIDE TOTALS		3774	377	3774	2.4	68	14	4.2	27+37 - 28+70	LT	134	134
	NORTH OIDE TOTALO		5117	011	OHT	۲.⊤	00	IТ	:. _	29+27 - 33+00	LT	397	397
	South Side									33+05 - 36+44	LT	350	350
	10+61.40 RT - 17+48.21 RT	Project Limits to Roger St.	587	_	587	0.4	11	_	0.6	23.30 30.11		200	
	17+48.21 RT - 20+00.10 RT	Roger St. to Linda St.	302	-	302	0.4	5	-	0.8				
		•					_	-		DDC	JECT TOTAL	S 1034	1034
	20+00.10 RT - 23+03.90 RT	Linda St. to Karlyn St.	292	-	292	0.2	5	-	0.3	PRC	JECT TOTAL	.5 1034	1034
	23+03.90 RT - 26+05.54 RT	Karlyn St. to Patrick St.	297	-	297	0.2	5	-	0.3				
	26+05.54 RT - 29+02.05 RT	Patrick St. to Helen St.	301	-	301	0.2	5	-	0.3				
	00 00 05 57 04 00 10 57	11.1 00 1 1 00	222		222	2.2	_		0.0				
	29+02.05 RT - 31+99.19 RT	Helen St. to Anne St.	303	-	303	0.2	5	-	0.3				
	31+99.19 RT - 37+78.85 RT	Anne St. to Wilbur St.	587	-	587	0.4	11	-	0.6				
	37+78.85 RT - 43+47.96 RT	Wilbur St. to Joseph St.	515	-	515	0.3	9	-	0.5				
	43+47.96 RT - 47+80.38 RT	Joseph St. to Louise St.	381	-	381	0.2	7	-	0.4				
	47+80.38 RT - 53+53.29 RT	Louise St. to Project Limits	504	-	504	0.3	9	-	0.5				
	UNDISTRIBUTED		-	407	-	-		15	0.4				
	SOUTH SIDE TOTALS		4069	407	4069	2.6	73	15	4.5				
		PROJECT TOTALS	7843	784	7843	5.0	141	28	8.6				
	TRACKIN 628.					ROCK	BAGS			TEMP		TOU OUT	ove
	STATION	LOCATION EACH					7570			IEMP	ORARY DI 628.75		<u>cks</u>
	10+75 K	IMBERLY AVE 1			STATION -	STATION	LOCATION	EACH		STATION - STA	ATION	LOCATION	LF
		IMBERLY AVE 1 IMBERLY AVE 1			UNDISTR	RIBUTED K	(IMBERLY A)	/E 20		UNDISTRIBU	TED KIN	MBERLY AVI	E 100
		PROJECT TOTAL 3					PROJECT T	OTAL 20			F	PROJECT TO	DTAL 100
	PROJECT NO: 4989-00-19	I I I I I I I I I I I I I I I I I I I	(IMBERLY A	/ENLIE	COUNTY: OU			MISOFILIANI	EOUS OUANTITIES				CHEET
Į	FRUJECT NO: 4989-00-19	I HWT: P	VIIVIDEKLY A	V EINUE	COUNTY: OU	HAGAIVIIE		MISCELLANI	EOUS QUANTITIES				SHEET

OTATION OTATION	LOCATION	628.7005 TYPE A	628.7010 TYPE B	628.7020 TYPE D	OTATION OTATION	LOCATION	628.7005 TYPE A	628.7010 TYPE B	628.702 TYPE I
STATION - STATION	LOCATION	EACH	EACH	EACH	STATION - STATION	LOCATION	EACH	EACH	EACH
WEST OF WEST PROJECT LIMITS	RT. & LT.			2	STA. 31+77 W. KIMBERLY AVE	26' RT.			1
STA.68+50 MARCELLA ST	RT. & LT.			2	STA. 32+14 W. KIMBERLY AVE	42' RT.		2	
STA. 11+30 W. KIMBERLY AVE	RT. & LT.		2	_	STA. 34+58 W. KIMBERLY AVE	RT. & LT.		_	2
STA. 11+47 W. KIMBERLY AVE	RT. & LT.		_	2	STA. 34+67 W. KIMBERLY AVE	RT. & LT.			2
STA. 14+75 W. KIMBERLY AVE	RT. & LT.		2	_	STA. 34+84 W. KIMBERLY AVE	RT. & LT.			2
STA. 17+06 W. KIMBERLY AVE	61' RT.			1	STA. 139+57 WILBUR ST.	RT. & LT.		1	1
STA. 17+09 W. KIMBERLY AVE	30' RT.			1	STA. 37+80 W. KIMBERLY AVE	16' LT.		1	
STA. 17+15 W. KIMBERLY AVE	16' LT.			1	STA. 38+14 W. KIMBERLY AVE	RT. & LT.		1	1
STA. 17+34 W. KIMBERLY AVE	16' LT.			1	PARKSIDE CT 200' N. OF LIMITS	RT. & LT.			2
STA. 17+45 W. KIMBERLY AVE	49' RT.		1		STA. 43+17 W. KIMBERLY AVE	LT.		1	
STA. 17+58 W. KIMBERLY AVE	25' RT.		1		STA. 159+34 JOSEPH ST.	15' LT.			1
STA. 17+80 W. KIMBERLY AVE	21' LT.		1		STA. 159+58 JOSEPH ST.	RT. & LT.		1	1
50' N. OF PROJECT ON RODGER ST.	RT. & LT.			2	STA. 159+74 JOSEPH ST.	RT. & LT.		1	1
STA. 19+69 W. KIMBERLY AVE	15' LT		1		STA. 43+87 W. KIMBERLY AVE	16' LT.		1	
STA. 19+81 W. KIMBERLY AVE	29' RT.			1	STA. 47+46 W. KIMBERLY AVE	16' LT.			1
STA. 19+85 W. KIMBERLY AVE	16' LT.		1		STA. 47+49 W. KIMBERLY AVE	16' LT.			1
STA. 89+57 LINDA STREET	RT. & LT.		1	1	STA. 48+81 W. KIMBERLY AVE	37' LT.	1		
STA. 22+73 W. KIMBERLY AVE	15' LT.		1		STA. 169+58 S. LOUISE ST.	RT. & LT.		1	1
STA. 22+85 W. KIMBERLY AVE	29' RT.			1	STA. 169+72 S. LOUISE ST.	RT. & LT.		1	1
STA. 22+89 W. KIMBERLY AVE	16' LT.		1		STA. 51+35 W. KIMBERLY AVE	24' RT.			1
STA. 99+57 KARLYN STREET	RT. & LT.		1	1	STA. 51+44 W. KIMBERLY AVE	24' RT.			1
STA. 23+24 W. KIMBERLY AVE	28' RT.			1	STA. 51+50 W. KIMBERLY AVE	17' LT.			1
STA. 25+69 W. KIMBERLY AVE	24' RT.			1	STA. 51+58 W. KIMBERLY AVE	19' LT			2
STA. 25+74 W. KIMBERLY AVE	15' LT.		1		STA. 51+67 W. KIMBERLY AVE	22' RT.			1
STA. 25+87 W. KIMBERLY AVE	16' LT.		1		CLARK ST. NORTH OF PROJECT	RT. & LT.			2
STA. 25+89 W. KIMBERLY AVE	29' RT.			1	RAILROAD ST. SOUTH OF PROJECT	E. & W.			2
STA. 26+21 W. KIMBERLY AVE	43' RT.		1		EAST OF EAST PROJECT LIMITS	N. & S.			2
STA. 26+25 W. KIMBERLY AVE	27' RT.		1		UNDISTRIBUTED		2		
STA. 28+66 W. KIMBERLY AVE	16' LT.		2		UNDISTRIBUTED			6	
STA. 119+48 HELEN STREET	16' RT.		1		UNDISTRIBUTED				6
STA. 119+57 HELEN STREET	16' LT.			1					
STA. 119+72 HELEN STREET	RT. & LT.		1	1					
SUNSET PARK ROAD (NORTH)	RT. & LT.			2					
STA. 31+58 W. KIMBERLY AVE	15' LT.		1						
STA. 31+63 W. KIMBERLY AVE	RT. & LT.		1	1					
TOTAL		0	23	24	TOTAL		2	17	26
IOIAL		U	23	24	PROJECT TOTALS		3	17 40	36 60

MISCELLANEOUS QUANTITIES

COUNTY: OUTAGAMIE

HWY: KIMBERLY AVENUE

PROJECT NO: 4989-00-19

SHEET

E

PERMANENT SIGNING

STATION	LOCATION	N CODE		637.2210 SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II	SPV.0060.06 SIGN POST 14-FT EACH	SPV.0060.07* SIGN POST 16-FT EACH	STATION	LOCATION	CODE		REFLECTIVE H	637.2230 SIGNS TYPE II REFLECTIVE F SF		SPV.0060.07* SIGN POST 16-FT EACH	
10+11	LT	R7-1D	18 x 24	3.00		1		37+25	RT	S16-7I	24 X 12		2.00			
12+50	LT		24 X 30	5.00		1		37+85	LT	S1-1	36 X 36		6.75		1	
12+58	RT		24 X 30	5.00		1		37+85	LT		24 X 12		2.00		,	
13+35	RT		30 X 24	5.00		1		139+58 WILBUR	RT	R1-1	30 X 30			1		
14+37	LT		30 X 24	5.00			1	38+05	RT	R9-3A	18 X 18			1		
14+37	LT	R7-1D	18 X 24	3.00				38+05	RT	R9-3BI	18 X 12	1.50				
79+55 ROGER	RT		30 X 30	5.18		1		39+36	RT		30 X 24			1		
80+37 ROGER	LT		30 X 30	5.18		1		150+33 PARKSIDE		R1-1	30 X 30			1		
19+00	LT		30 X 24	5.00		·	1	41+58	LT					·	1	
19+00	LT		18 X 24	3.00				41+58	LT		18 X 24					
89+57 LINDA	RT	R1-1	30 X 30	5.18		1		42+48	RT	R2-1	24 X 30	5.00		1		
99+57 KARLYN	RT		30 X 30	5.18		1		159+58 JOSEPH	RT	R1-1	30 X 30			1		
23+48	RT		24 X 30	5.00		1		43+84	LT	R2-1	24 X 30			1		
24+32	LT		30 X 24	5.00			1	45+33	LT						1	
24+32	LT	R7-1D	18 X 24	3.00				45+33	LT	R7-1D	18 X 24					
25+10	RT	R3-17	30 X 24	5.00		1		45+48	RT	R3-17	30 X 24	5.00		1		
25+26	LT		24 X 30	5.00		1		169+57 LOUISE	RT	R1-1	30 X 30			1		
109+57 PATRICK	RT		30 X 30	5.18		1		170+35 SOMERSE		R1-1	30 X 30			1		
26+87	RT	S1-1	36 X 36		6.75	1		48+52	RT	R14-1	24 X 18	3.00			1	
28+05	LT	R3-17	30 X 24	5.00			1	48+52	RT	M6-6	21 X 21	3.06				
28+05	LT	R7-1D	18 X 24	3.00				49+20	LT	R3-17	30 X 24	5.00			1	
28+84	LT	R1-1	30 X 30	5.18		1		49+20	LT	R7-1D	18 X 24	3.00				
29+21	LT	R5-2	24 X 24	4.00		1		51+76	RT	R14-1	24 X 18	3.00			1	
119+58 HELEN	RT	R1-1	30 X 30	5.18		1		51+76	RT	M6-4	21 X 21	3.06				
31+20	LT	S1-1	36 X 36		6.75	1		180+34 CLARK	LT	R1-1	30 X 30	5.18		1		
31+35	RT	R3-17	30 X 24	5.00		1		52+23	RT	R3-17	30 X 24	5.00			1	
129+58 ANNE	RT	R1-1	30 X 30	5.18		1		52+23	RT	R3-17BF	30 X 12	2.50				
33+15	LT		18 X 18	1.86		1		53+12	RT		24 X 30				1	
34+82	RT		24 X 30	5.00		1		53+12	RT		24 X 18					
35+00	LT	R3-17	30 X 24	5.00			1	53+12	RT	M6-1	21 X 21	3.06				
35+00	LT	R7-1D	18 X 24	3.00				54+/-60	LT		30 X 24				1	
36+45	LT	R2-1	24 X 30	5.00		1		54+/-60	LT	R3-17AF	9 30 X 12	2.50				
37+25	RT	S1-1	36 X 36		6.75		1									
		SUI	BTOTAL	135	20	22	6			SI	JBTOTAL	117	11	11	9	
										RO IFCT	TOTALS	252	31	33	15	
			*ADDITIO	ONAL QUANTITIE	S SHOWN ELSE	WHERE IN PI	LAN		Г	NOULUI	IOIALO	202	31	30	13	
PROJECT NO: 4989	-00-19			HWY: KIMBE	RLY AVENUE	соп	NTY: OUTAGAMI	E MISC	ELLANEOU	S QUAN	ITITIES				SHEET	E

GEOTEXTILE FABRIC TYPE SAS

645.0140

STATION	LOCATION	SY
UNDISTRIBUTED	KIMBERLY AVE	6,000
·		

PROJECT TOTAL 6,000

REMOVING PAVEMENT MARKINGS

646.0600

STATION	LOCATION	LF
7+00 - 10+61	KIMBERLY AVE / NEWBERRY ST	550

PROJECT TOTAL 550

CONSTRUCTION STAKING

		650.4500	650.5500	650.7000	650.9920
		SUBGRADE	CURB &	CONCRETE	SLOPE
			GUTTER	PAVEMENT	STAKES
STATION - STATION	LOCATION	LF	LF	LF	LF
10+61.41 - 53+53.29	KIMBERLY	4292		4292	4292
78+96 - 80+57	ROGER	161		161	161
89+35 - 90+00	LINDA	65		65	65
99+35 - 100+00	KARLYN	65		65	65
109+36 - 110+00	PATRICK	64		64	64
119+43 - 120+00	HELEN/SUNSET PARK	57	28	57	57
129+35 -130+00	ANNE	65		65	65
139+46 - 140+00	WILBUR	54		54	54
150+00 - 150+48	PARKSIDE	48		48	48
159+28 - 160+00	JOSEPH	72		72	72
169+47 -170+46	LOUISE/SOMERSET	99		99	99
180+00 - 180+47	CLARK	47		47	47
50+00 - 50+35 RT	KIMBERLY AVE		10		
	PROJECT TOTALS	5089	38	5089	5089

MOVING AND REMOVING SIGNS

SIGNS

TYPE II

EACH

2

LOCATION

LT RT

RT

RT

LT

RT

RTRT

LT

RT

RT

LT

RT

LT

RT

LT

RT

LT

RT

LT

RT

RT LT

RT

LT

LT RT

LT

LT

RT

2

PROJECT TOTALS

638.2102 638.2602

SIGNS

TYPE II

EACH

638.3000 SPV.0060.07*

16-FT

EACH

MOVING REMOVING SIGN POST

SMALL SIGN

SUPPORTS

EACH

COUNTY: OUTAGAMIE

MISCELLANEOUS QUANTITIES

SHEET

STATION

10+11

11+15

11+66 79+63 ROGER

80+28 ROGER

89+61 LINDA

99+62 KARLYN

23+45 25+32

109+62 PATRICK

26+81

28+84

119+60 HELEN

31+30

129+58 ANNE

36+37

37+18

37+85

139+60 WILBUR

150+33 PARKSIDE

40+16

159+62 JOSEPH

45+28 169+64 LOUISE

170+35 SOMERSET

48+18

48+49 49+66

180+32 CLARK

53+07

PROJECT NO: 4989-00-19

HWY: KIMBERLY AVENUE

33

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

23

1

TRAFFIC CONTROL SUMMARY

		643	3.0300		.0410 ICADES	-	0.0420 RICADES		3.0705 NG LIGHTS		3.0715 NG LIGHTS	643	3.0900	<u>TEMPORARY PE</u>	DESTRIAN F	ACILITIES	
LOCATION	SERVICE DAYS	DR NO	DAYS		PE II DAYS	TY NO	PE III DAYS	TY NO	PE A DAYS	TY NO	PE C DAYS	NO NO	GNS DAYS		644.1410.S TEMPORARY	644.1601.S	644.1616.S TEMPORARY
KIMBERLY AVE (ATBEGIN PROJECT) SIDEROAD CLOSURES	144 144	-	-	1	73.	6	864 8640	8 80	1152 11520	Ĭ.	= =	39	 5616		PEDESTRIAN SURFACE	TEMPORARY CURB	PEDESTRIAN SAFETY
SIDEWALK CLOSURES KIMBERLY AVE (AT END PROJECT)	144 144	4	-	36	5184	6	864	36 8	5184 1152		-	16	2304	LOCATION	ASPHALT SF	RAMP EACH	FENCE LF
KIMBERLY AVE (WITHIN PROJECT) UNDISTRIBUTED	144 144	75 50	10800 7200	-	-	10	1440	10	1440	25	3600	10	1440	KIMBERLY AVE MAINLINE CROSSINGS SIDE STREET CROSSINGS	600 1500	8 28	300 580
PROJE	ECT TOTALS	125	18000	36	5184	82	11808	142	20448	25	3600	65	9360	STORM SEWER LATERALS	900	-	-
														PROJECT TOTALS	3000	36	880

PAVEMENT MARKING EPOXY

STATION - STATION	LOCATION	646.0106 4-INCH LF	647.0206 ARROWS BIKE LANE EACH	647.0306 SYMBOLS BIKE LANE EACH	647.0406 WORDS BIKE LANE EACH	647.0566 STOP LINE 18-INCH LF	647.0656 PARKING STALLS LF	647.0716 DIAGONAL 8-INCH LF	647.0766 CROSSWALK 6-INCH LF
7+50 - 17+45.35 LT. & RT.	E. LIMITS TO S. ROGER ST	2594	2	2		14.5		116	
17+45.35 - 20+00.00 LT. & RT.	S. ROGER ST TO LINDA ST	660	1	1		14.5		.,.	
20+00.00 - 23+03.90 LT. & RT.	LINDA ST. TO KARLYN ST	861	2	2		15			
23+03.90 - 26+05.54 LT. & RT.	KARLYN ST TO PATRICK ST	852	1	1		15			
26+05.54 - 29+02.05 LT. & RT.	PATRICK ST TO HELEN ST	809	2	2		31			
29+02.05 - 31+99.19 LT. & RT.	HELEN ST TO ANNE ST	811	1	1		15			
31+99.19 - 37+78.85 LT. & RT.	ANNE ST TO WILBUR	1757	2	2		15			
37+78.85 - 39+72.93 LT. & RT.	WILBUR ST TO PARKSIDE CT	833	2 2	2		31	36		
39+72.93 - 43+47.96 LT. & RT.	PARKSIDE CT TO JOSEPH ST.	1113							
43+47.96 - 47+80.34 LT. & RT.	JOSEPH ST TO SOMERSET LN	1252	2	2		27			
47+80.34 - 53+53.29 LT. & RT.	SOMERSET LN TO W. LIMITS	1648	3	3	3	38			257
180+40 CLARK ST	CLARK ST	53							
28+71 - 29+32 LT. & RT.	HELEN STREET CROSSWALKS								307
37+48 - 38+00 RT. & LT.	WILBUR STREET CROSSWALKS								153
	PROJECT TOTALS	13,243	18	18	3	216	36	116	717

SAWING CONCRETE

690.0250

STATION	LOCATION	LF	DESCRIPTION	STATION	LOCATION	LF	DESCRIPTION	STATION	LOCATION	LF	DESCRIPTION
10±61 <i>4</i>	KIMBERLY AVENUE	42	MATCH POINT	99+48	RT	5	SIDEWALK	42+57	RT	3	SIDEWALK
10+61.4	LT & RT	10	SIDEWALK	99+53	LT	5	SIDEWALK	43+13	RT	15	DRIVEWAY
10+93	LT	16	DRIVEWAY	23+72	RT	3	SIDEWALK	159+28	JOSEPH STREET	33	MATCH POINT
11+48	RT	16	DRIVEWAY	24+77	RT	16	DRIVEWAY	159+39	LT	5	SIDEWALK
12+04	LT	13	DRIVEWAY	25+27	RT	4	SIDEWALK	159+54	RT	5	SIDEWALK
12104	E.	10	DIAVEVIA	20121	131	•	OIDE WITH	100104	IXI	J	OIDE WITEIX
12+13	RT	25	DRIVEWAY	109+36	PATRICK STREET	33	MATCH POINT	44+10	RT	10	DRIVEWAY
12+50	LT	3	SIDEWALK	109+43	LT & RT	10	SIDEWALK	44+63	LT	5	SIDEWALK
12+79	LT	14	DRIVEWAY	27+20	RT	23	DRIVEWAY	45+16	RT	18	DRIVEWAY
12+95	RT	26	DRIVEWAY	119+43	HELEN STREET	33	MATCH POINT	45+49	RT	3	SIDEWALK
13+23	LT	4	SIDEWALK	119+43	RT	5	SIDEWALK	45+90	LT	14	DRIVEWAY
13+49	LT	14	DRIVEWAY	119+53	LT	5	SIDEWALK	46+60	RT	10	DRIVEWAY
13+65	RT	18	DRIVEWAY		SUNSET PARK RD	1.5	CURB/GUTTER	47+35	RT	13	DRIVEWAY
14+24	LT	10	DRIVEWAY	29+18	SUNSET PARK RD	1.5	CURB/GUTTER	169+47	LOUISE STREET	33	MATCH POINT
14+32	RT	16	DRIVEWAY	29+25	LT	5	SIDEWALK	169+49	LT	5	SIDEWALK
14+95	LT	16	DRIVEWAY	30+33	RT	19	DRIVEWAY	169+53	RT	5	SIDEWALK
										-	
15+09	RT	16	DRIVEWAY	129+24	RT	5	SIDEWALK	170+46	SOMERSET LN	26	MATCH POINT
15+43	LT	5	SIDEWALK	129+35	ANNE STREET	33	MATCH POINT	170+46	RT	5	SIDEWALK
15+71	LT	16	DRIVEWAY	129+53	LT	5	SIDEWALK	170+55	LT	5	SIDEWALK
15+80	RT	19	DRIVEWAY	32+78	RT	3	BOT. STEPS	48+37	RT	15	DRIVEWAY
16+47	LT	16	DRIVEWAY	33+92	RT	19	DRIVEWAY	48+89	LT	10	BUS STOP
78+96	ROGER STREET	33	MATCH POINT	35+18	RT	14	DRIVEWAY	49+49	RT	44	DRIVEWAY
79+18	LT	5	SIDEWALK	35+99	RT	13	DRIVEWAY	50+00	RT	2	CURB/GUTTER
79+51	RT	5	SIDEWALK	36+34	RT	4	SIDEWALK	50+35	RT	2	CURB/GUTTER
80+39	LT	5	SIDEWALK	139+46	WILBUR STREET	33	MATCH POINT	50+43	LT	6	SIDEWALK
80+54	ROGER STREET	33	MATCH POINT	139+48	LT	4	SIDEWALK	50+50	RT	5	SIDEWALK
00104	ROOLKOINELI	55	WATOITI OIN	100140	Li	7	OIDEWALK	30130	IXI	3	OIDE WALK
80+63	RT	5	SIDEWALK	139+53	RT	5	SIDEWALK	51+73	RT	5	SIDEWALK
17+87	RT	16	DRIVEWAY	39+15	RT	16	DRIVEWAY	180+30	LT	5	SIDEWALK
89+35	LINDA STREET	33	MATCH POINT	39+65	RT	3	SIDEWALK	180+47	CLARK STREET	57	MATCH POINT
89+48	RT	5	SIDEWALK	150+44	RT	5	SIDEWALK	180+59	RT	5	SIDEWALK
89+53	LT	5	SIDEWALK	150+48	PARKSIDE COURT	33	MATCH POINT	53+53.29	KIMBERLY AVENUE	35	MATCH POINT
20+75	RT	3	SIDEWALK	150+49	LT	5	SIDEWALK	53+60	LT & RT	10	SIDEWALK
21+76	RT	20	DRIVEWAY	40+87	RT	21	DRIVEWAY	53+53-54+			STORM SEWER
99+35	KARLYN STREET	33	MATCH POINT	41+94	RT	18	DRIVEWAY	33.33.31		0	0.00
	SUBTOTAL	516	5		SUBTOTAL	408	3		SUBTOTAL PROJECT TOTAL	534 1458	
									I NOULOT TOTAL	1400	

PROJECT NO: 4989-00-19 HWY: KIMBERLY AVENUE COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES SHEET

3

SAWING ASPHALT

690.0150

LOCATION	LF -	DESCRIPTION		
LT	800	PARKING LOT		
LT	11	DRIVEWAY		
SUNSET PARK ROAD	28	MATCH POINT		
LT	8	BIKE/PED TRAIL		
LT	28	DRIVEWAY		
LT	125	PARKING LOT		
LT	127	PARKING LOT		
LT	21	DRIVEWAY		
LT	31	DRIVEWAY		
LT	23	DRIVEWAY		
LT	22	DRIVEWAY		
RT	32	DRIVEWAY		
LT	24	DRIVEWAY		
	LT SUNSET PARK ROAD LT	LT 11 SUNSET PARK ROAD 28 LT 8 LT 28 LT 125 LT 127 LT 21 LT 31 LT 23 LT 22 RT 32		

STEEL PLATE COVER

SPV.0060.05

STATION	LOCATION	EACH
34+85 LT	KIMBERLY AVE	1
34+85 RT	KIMBERLY AVE	1
	PROJECT TOTAL	2

STORM SEWER TO CONCRETE BOX CULVERT CONNECTION

SPV.0060.09

STATION	LOCATION	EACH
34+80 LT	KIMBERLY AVE	1
	PROJECT TOTAL	1

PROJECT TOTAL 1280

SALVAGE AND RESET LANDSCAPING

SPV.0165.01

STATION LOCATION LF 10+90 RT KIMBERLY AVE 8 KIMBERLY AVE 17+23 LT 8 17+65 RT KIMBERLY AVE 11 18+80 - 19+40 RT KIMBERLY AVE 60 21+93 RT KIMBERLY AVE 8 30+90 - 31+70 RT KIMBERLY AVE 80 40+75 RT KIMBERLY AVE 14 48+12 RT KIMBERLY AVE 19

PROJECT TOTAL

208

SALVAGE AND RESET FENCE SPV.0090.11

STATION	LOCATION	SF
17+23 LT	KIMBERLY AVE	32
17+65 RT	KIMBERLY AVE	63
18+00 RT	KIMBERLY AVE	43
18+80 - 19+40 RT	KIMBERLY AVE	120
33+70 RT	KIMBERLY AVE	10
34+05 RT	KIMBERLY AVE	47
38+10 RT	KIMBERLY AVE	14
38+55 - 39+00 RT	KIMBERLY AVE	96
40+15 LT	KIMBERLY AVE	130
40+75 RT	KIMBERLY AVE	30
45+05 RT	KIMBERLY AVE	20
50+42 RT	KIMBERLY AVE	40
50+75 LT	KIMBERLY AVE	60
	PROJECT TOTAL	705

PROJECT NO: 4989-00-19 HWY: KIMBERLY AVENUE COUNTY: OUTAGAMIE MISCELLANEOUS QUANTITIES SHEET

HWY: KIMBERLY AVENUE

PROJECT NO: 4989-00-19

WATER VALVES CURB STOPS SPV 0060 02 SPV 0060 04

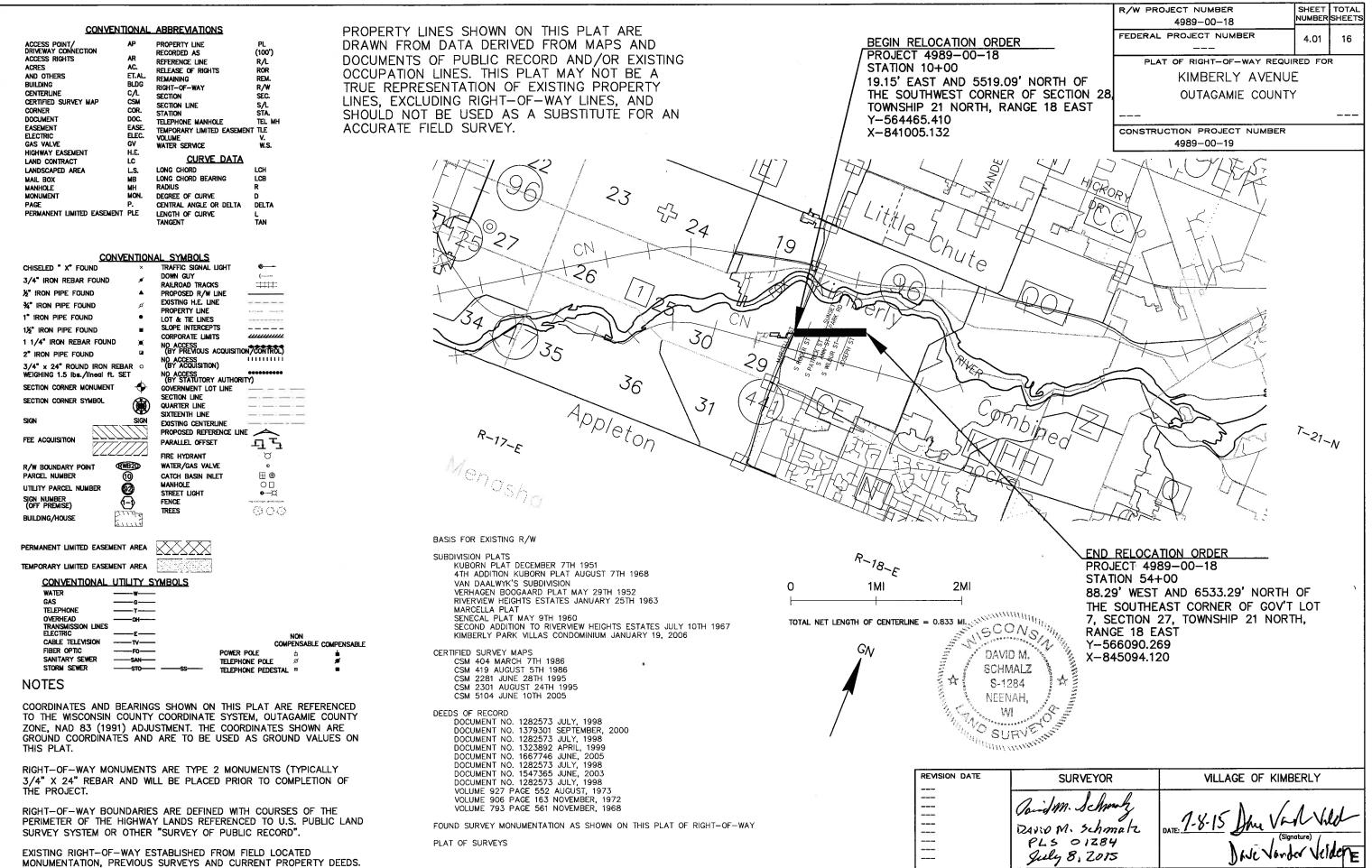
MISCELLANEOUS QUANTITIES

	WATER VALVES CURB STOPS SPV.0060.02 SPV.0060.04				WATER VALVES CURB STOPS SPV.0060.02 SPV.0060.04				SPV 0090.02	SPV 0090.04	
STATION	LOCATION	EACH	SP V.0060.04	STATION	LOCATION	EACH	SPV.0060.04			4-INCH	6-INCH
Cirtion	200,111011	27.011			200,111011	271011		STATION	LOCATION	LF	LF
CATEGORY 0020				CATEGORY 0020				CATEGORY 0020			
10+79.22	31.13' RT		1	29+78.94	29.75' RT		1	11+00	RT	16	11
11+13.21	22.49' LT		1	30+54.72	29.66' RT		1	11+20	RT	10	50
11+19.52	31.41' RT		1	31+30.12	29.38' RT		1	11+42	LT	200	30
11+57.93	22.76' LT		1	32+07.72	8.03' RT.	1				26	
12+65.15	29.70' RT		1	32+10.65	50.05' RT. (ANNE ST.)	1		11+47	LT	26	
12100.10	20.70 101		•	02110.00	00.00 Iti. (/IIIIL 01.)	•		12+64	LT	12	
12+67.08	22.53' LT		1	32+14.66	8.15' RT.	1		13+00	LT	13	
13+21.24	13.22' RT.	1		32+87.88	29.17' RT		1	13+72	LT	14	
13+38.29	31.54' RT		1	34+34.07	30.25' RT		1	14+40	LT	14	
13+38.49	22.83' LT		1	35+49.88	31.16'RT		1		LT		
13+63.61	23.58' LT		1	36+23.12	36.17' LT		1	15+07 15+95	LT	15 15	
								10133	L1	13	
14+20.72	30.60' RT		1	36+44.25	30.17' RT		1	16+78	LT	15	
14+35.11	22.99' LT		1	37+93.80	9.39' RT.	1		16+94	RT		32
14+97.89	31.18' RT		1	37+97.28	44.73' RT. (WILBUR ST.)	1		79+50 ROGER ST.	RT		5
15+38.91	22.81' LT		1	39+37.10	28.82' RT		1	18+49	RT	36	· ·
15+64.07	31.73' RT		1	39+60.18	8.48' RT.	1		19+47	RT	37	
								19747	IXI	31	
16+34.86	22.32' LT		1	39+62.84	6.06' RT.	1		89+53 LINDA ST.	LT		5
16+56.57	31.63' RT		1	39+76.39	8.57' RT.	1		89+53 LINDA ST.	RT		5
16+86.76	23.27' LT		1	40+24.31	12.85' RT.	1		20+67	RT	34	-
17+52.32	9.47' RT.	1		40+58.44	30.10' RT		1	21+13	RT	34	
17+54.35	12.14' RT.	1		40+98.95	21.87' LT		1	22+90	RT	20	
17104.00	12.17 1(1.	'		40130.33	21.07 L1		ı	22+90	KI	20	
17+55.19	4.81' RT.	1		41+74.08	30.36' RT		1	99+53 KARLYN ST.	LT		5
17+57.69	9.43' RT.	1		42+09.29	22.29' LT		1	99+53 KARLYN ST.	RT		5
18+06.46	27.46' RT		1	42+33.53	28.63' RT		1	23+82	RT	34	
19+63.63	30.86' RT		1	43+51.95	9.29' RT.	1		24+68	RT	34	
20+07.57	51.93' RT (LINDA ST.)	1	•	43+56.12	50.94' RT. (JOESPH ST.)	1		109+61 PATRICK ST.	LT	04	23
	,				,						
20+73.96	31.69' RT		1	43+83.04	26.06' LT		1	109+53 PATRICK ST.	RT		5
21+61.20	29.78' RT		1	44+61.61	30.82' RT		1	27+70	RT	33	
23+14.20	8.59' RT.	1		45+21.71	23.62' LT		1	119+53 HELEN ST.	LT		5
23+16.20	46.93' RT (KARLYN ST.)	1		45+33.34	29.80' RT		1	119+44 HELEN ST.	RT		33
23+77.66	30.52' RT	•	1	46+25.81	30.58' RT		1	29+55	RT	33	
25+26.97	31.12' RT		1	47+03.86	31.21' RT		1	30+65	RT	33	
26+10.93	47.39' RT. (PATRICK ST.) 1		47+71.53	9.55' RT.	1		129+60 ANNE ST.	LT		23
26+35.53	28.42' LT		1	47+74.10	36.64' LT. (SOMERSET LN.)	1		36+17	RT	44	
26+83.08	29.93' RT		1	47+75.36	7.15' RT.	1		37+13	RT	44	
27+15.38	22.35' LT		1	47+75.47	12.26' RT.	1		139+70 WILBUR ST.	RT		5
27+67.37	30.79' RT		1	48+68.62	31.30' RT		1	43+14	RT		21
28+35.40	7.65' RT.	1		49+18.99	31.34' RT		1	44+14	LT		25
28+39.14	4.27' RT.	1		50+71.21	37.93' RT		1	44+56	RT	33	
28+42.77	7.92' RT.	1		51+81.49	5.91' RT.	1		45+71	LT	25	
29+15.89	45.59' RT. (HELEN ST.)	1		51+82.06	12.56' RT.	1		45+74	RT	33	
								40.44	DT	24	
				52+81.67	31.40' LT		1	46+41	RT	34	
								46+76	RT	34	
								48+95	RT	35	
	SUBTOTALS	13	27		SUBTOTALS	17	24	51+54	LT.	15	
					PROJECT TOTALS	30	51				
									a . - a		
								PRO	DJECT TOTALS	5 791	258

COUNTY: OUTAGAMIE

SHEET

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		SCHEDULE OF LAND & INTEREST RE								
PARCEL	SHEET		TAX KEY	INTEREST	TOTAL		UARE FEET RE		TOTAL ACRES	TLE
	NUMBER .	OWNER(S)	NUMBER	REQUIRED	ACRES	NEW	EXISTING	TOTAL	REMAINING	ACRES
1	6	KENNETH W. STEWARD & JANET M. STEWARD HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250144000	TLE	0.230			-		0.005
2	6	RUDOLPH VAN HOUT & JANET VAN HOUT, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250160800	TLE	0.280	•				0.015
3	6	JESSICA L. VETTER	250143900	TLE	0.190					0.008
4	6	JACOB D. STREY, A SINGLE PERSON	250160700	TLE	0.210					0.009
6	6	RICHARD J. VAN ABEL & SUSAN M. VAN ABEL, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250143800	TLE	0.210	•				0.009
7	6, 7	DONALD H. ROMENESKO & BARBARA A. ROMENESKO REVOCABLE LIVING TRUST	250160600	TLE	0.210	_				0.009
8	7	THOMAS L. SELIG & JEANNE M. SELIG, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250143700	TLE	0.210	•				0.009
9	7	MICHAEL J. HOWERTON & CHRISTINA J. HOWERTON, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250160500	TLE	0.190					800.0
11	7	OMAR O. MARTINEZ-RUIZ	250143600	TLE	0.190	•				0.008
12	7	STEVEN P. DORN & MARY A. DORN, HUSBAND AND WIFE	250160400	TLE	0.200					800.0
13	7	DUANE J. HIETPAS & MARY L. HIETPAS. HIS WIFE. AS JOINT TENANTS	250143500	TLE	0.210	•				0.009
14	7	RICHARD L. POPPE & MARY A. POPPE, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250160300	TLE	0.210					0.009
16	7	BERNADETTE L. HOWARD	250143400	TLE	0.180					0.011
17	7	ARTHUR W HOELZEL, A SINGLE PERSON	250160200	TLE	0.210	•				0.009
18	7	JEAN SEMENUK	250143300	TLE	0.190	•				0.024
19	7, 8	TERRI S. SCHIEDERMAYER, A SINGLE PERSON	250160100	TLE	0.210					0.009
21	7. 8	JAME STILES	250143200	FEE & TLE	0.230	0.004		0.004	0.226	0.028
21	1,0		200140200	TEE WILL	0.200	0.004		0.004	0.220	0.020
22	8	DONNA M. NEMECEK, TRUSTEE OF THE DONNA M. NEMECEK REVOCABLE LIVING TRUST DATED AUGUST 23, 1994, AND AS IT MAY BE AMENDED	250160000	TLE	0.230					0.009
23	8	JAMES J. LEITERMANN & PHYLLIS C. LEITERMANN, HUSBAND AND WIFE AS JOINT TENANTS	250142700	TLE	0.220					0.041
24	8	WILLIAM J. MENTING & APRIL M. MENTING, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	250129800	TLE	0.300					0.032
26	8	RUSSELL L. KLOES	250154100	FEE & TLE	0.490	0.002		0.002	0.488	0.021
27	8, 9, 10	FOX VALLEY CHRISTIAN FELLOWSHIP OF THE ASSEMBLIES OF GOD, A WISCONSIN CORPORATION	250153600 & 250096600	TLE	6.953					0.080
28	8, 9	THOMAS J. CIESLAK & PAMELA A. CIESLAK, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	250128600	TLE	0.230	•				0.012
29	9	JANET M. CLARK	250128500	TLE	0.220					0.009
31	9	HOWARD R. KLUCK, A MARRIED PERSON	250128400	TLE	0.220	•				0.010
32	9	MATTEW R. VANCUYK & NICOLE A. VANCUYK, HUSAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250127000	TLE	0.220	•		 		0.012
33	9	CHAD S. YAMRY, A SINGLE PERSON	250127000	TLE	0.220				+	0.009
34	9, 10	·	250126800	TLE	0.210	•		+	 	0.009
- 34	9, 10	KAREN H. MC DONOUGH, A SINGLE PERSON	ZDU 1/20000	ILE	V.Z IV					0.012

OWNER'S NAME ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

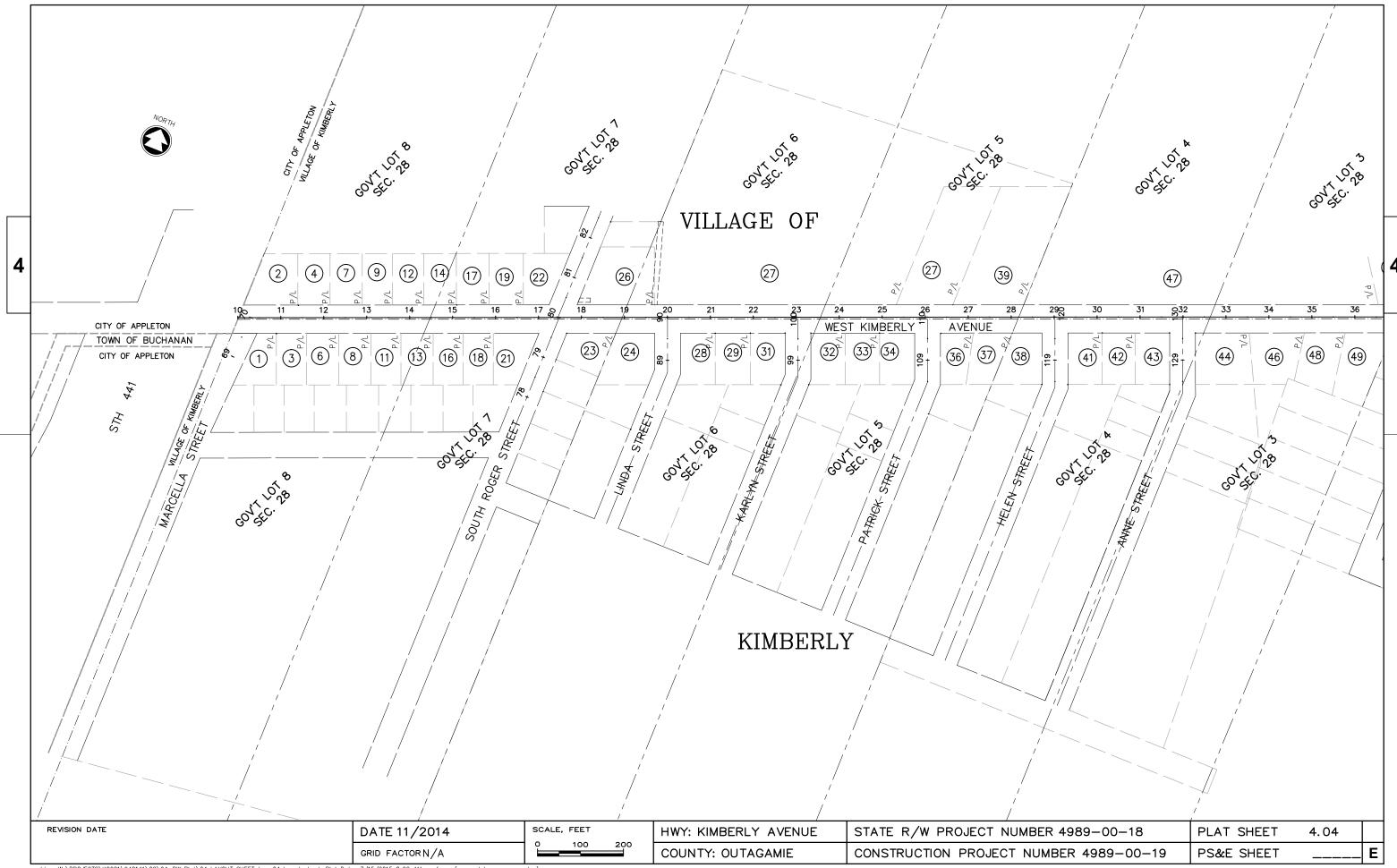
REVISION DATE	DATE 11/2014	SCALE, FEET	HWY: KIMBERLY AVENUE	STATE R/W PROJECT NUMBER 4989-00-18	PLAT SHEET	4.02
	GRID FACTORN/A	0 20 40	COUNTY: OUTAGAMIE	CONSTRUCTION PROJECT NUMBER 4989-00-19	PS&E SHEET	

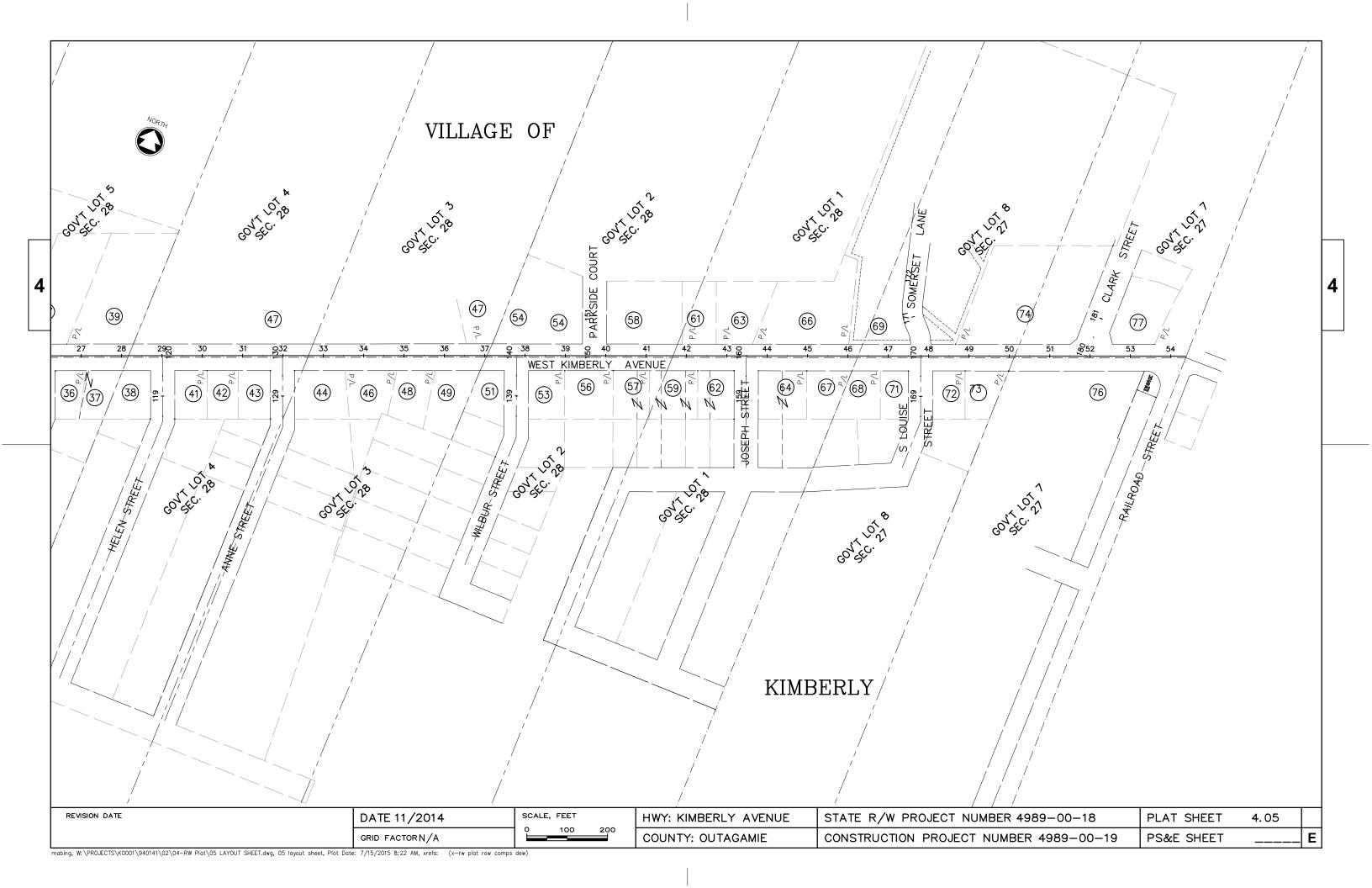
		SCHEDULE OF LAND & INTER	RESTREQUIRE	D							
PARCEL	SHEET		TAX KEY	INTEREST	TOTAL	R/W SQ	UARE FEET RE	QUIRED	TOTAL ACRES	TLE	PLE
NUMBER	NUMBER	OWNER(\$)	NUMBER	REQUIRED	ACRES	NEW	EXISTING	TOTAL	REMAINING	ACRES	ACRES
36	10	RUSSEL J. SWAW	250125900	TLE	0.210					0.041	
37	10	THOMAS R. VANDEN HEUVEL & SARA J. VANDEN HEUVEL, HIS WIFE, AS SURVIVORSHIP MARITAL PROPERTY	250125800	TLE	0.220					0.048	
38	10	STEVEN W. GREELY & RACHEL K. GREELY, HUSBAND AND WIFE	250112900	TLE	0.220					0.041	
39	10	JAY DOBBRATZ & SHILOH E. DOBBRATZ, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	250096500	TLE	1.120					0.035	
									ļ .		
41	10. 11	PAUL P. JANSSEN & AUDREY H. JANSSEN, HIS WIFE	250114000	TLE	0.220					0.043	
42	11	DEANNA L. LYONS	250114100	TLE	0.210					0.039	
43	11	CHRIS J. MATULA & SUZANNE M. MATULA, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	250114200	TLE	0.220					0.040	
44	11	HARVEY W. WALLINER & DOROTHY J. WALLINER, AS SURVIVORSHIP MARITAL PROPERTY	250116400	TLE	0.350					0.031	
46	11. 12	KATHY SCHMITZ, JULIE WEYENBERG, DAVID VAN BOOGARD & SARA VAN BOOGARD, EACH OF AN UNDIVIDED 1/4 INTEREST AS JOINT TENANTS	250096000	TLE	0.302					0.015	0.020
47	10, 11, 12	VILLAGE OF KIMBERLY	250095500 250095300	TLE	38.860					0.270	
48	12	JAMES A. EISCH & CHRISTINE A. EISCH, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	250096300	TLE	0.280					0.011	0.021
49	12	WALTER H. WISE & DOROTHY E. WISE, HIS WIFE, AS JOINT TENANTS	250096200	TLE	0.380					0.013	
51	12	ADRIAN J. VAN ROY SR. & MARLENE H. VAN ROY, HIS WIFE, IN JOINT TENANCY	250172000	TLE	0.220					0.012	
53	12, 13	JAMES L. HERMUS & VICTORIA E. HERMUS, HUSBAND AND WIFE		TLE	0.340					0.017	
54	12, 13			TLE	0.830					0.054	
56	13	NICOLE GRANATO - MARRIED PERSON	250171200	TLE	0.330					0.014	
57	13	DANIEL W. GREY & CHRISTINE M. GREY. HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250110300	TLE	0.250				[]	0.025	
5 8	13	NORTHERN GAS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	250095107	FEE & TLE	0.630	0.001		0.001	0.629	0.024	
59	13	SHAWN LEVINSON & NICOLE LEVINSON	250110200, 250110100, 250110000	TLE	0.330					0.019	
61	13. 14	MOM AND POP'S BAKERY, LLC	250095109	TLE	0.300				[]	0.010	
62	13. 14	RICK F. BROCKMAN, A SINGLE PERSON	250109900	TLE	0.250					0.018	
63	14	RVL INVESTMENTS, LLC. A WISCONSIN LIMITED LIABILITY COMPANY	250095108	TLE	0.440					0.010	
64	14	JOHN HEIER & KATHY HEIER, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250109600	TLE	0.330					0.016	
66	14	LIFESDREAMS LLC. A WISCONSIN LIMITED LIABILITY COMPANY	250095103	TLE	0.830					0.038	
67	14	RONALD F. SCHUH & CAROLINE L. SCHUH, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250109500	TLE	0.260					0.013	
68	14	THE SECRETARY OF HOUSING AND URBAN DEVELOPMENT	250148100	TLE	0.260					0.008	
69	14, 15	KIMBERLY PARK VILLAS CONDOMINIUMS OWNERS ASSOCIATION, INC.	250241000	FEE & TLE		0.004		0.004		0.057	
71	14. 15	CHERIL MIER	250148000	TLE	0.190				<u> </u>	0.010	
72	15	RUSSELL L. KLOES & ROSE ANNA . KLOES, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	250147700	FEE & TLE	0.220	0.001		0.001	0.219	0.012	
73	15	LUIS CUEVAS BRISENO & SUNSHINE CEUVAS, HUSBAND AND WIFE, AS JOINT TENANTS WITH RIGHT OF SURVIVORSHIP AND NOT AS TENANTS IN COMMON	250147600	TLE	0.230					0.012	
74	15	ASSOCIATED BANK NA	250094701	TLE	1.820					0.033	
	15, 16	VILLAGE OF KIMBERLY, STATE OF WISCONSIN, A MUNICIPAL CORPORATION	250094900	TLE	3.730					0.039	
76	10, .0										

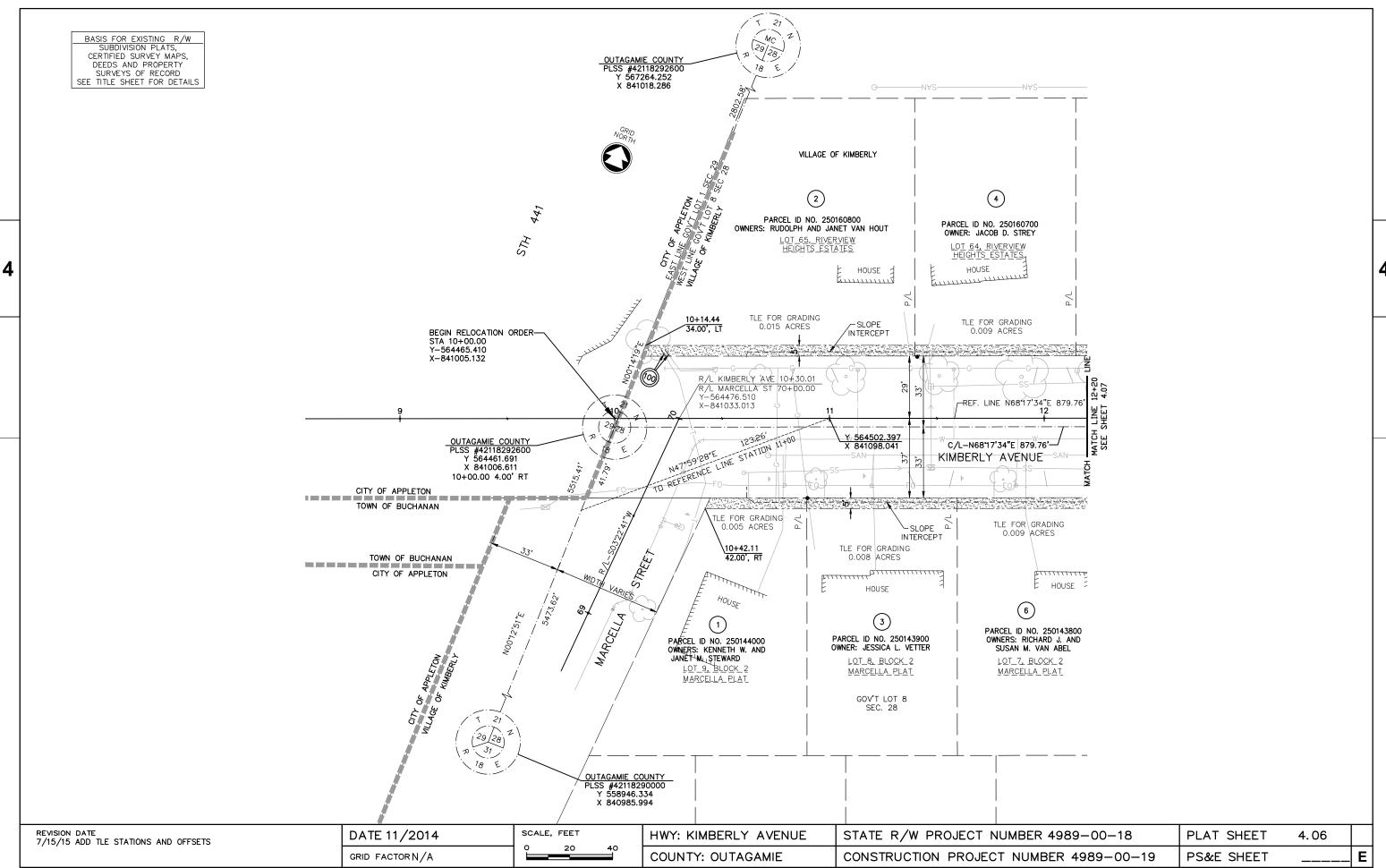
	SCHEDULE OF LAND & INTEREST REQUIRED								
PARCEL	ARCEL SHEET INTEREST								
NUMBER	NUMBER	OWNER(S)	REQUIRED						
100	4.06, 4.12, 4.14 & 4.15	AT&T WISCONSIN	TEMPORARY CONSTRUCTION EASEMENT/CONVEYANCE OF RIGHTS						
101	4.14 & 4.15	TIME WARNER CABLE	TEMPORARY CONSTRUCTION EASEMENT/CONVEYANCE OF RIGHTS						
102	4.14 & 4.15	WE ENERGIES-ELECTRIC DIVISION	TEMPORARY CONSTRUCTION EASEMENT/CONVEYANCE OF RIGHTS						

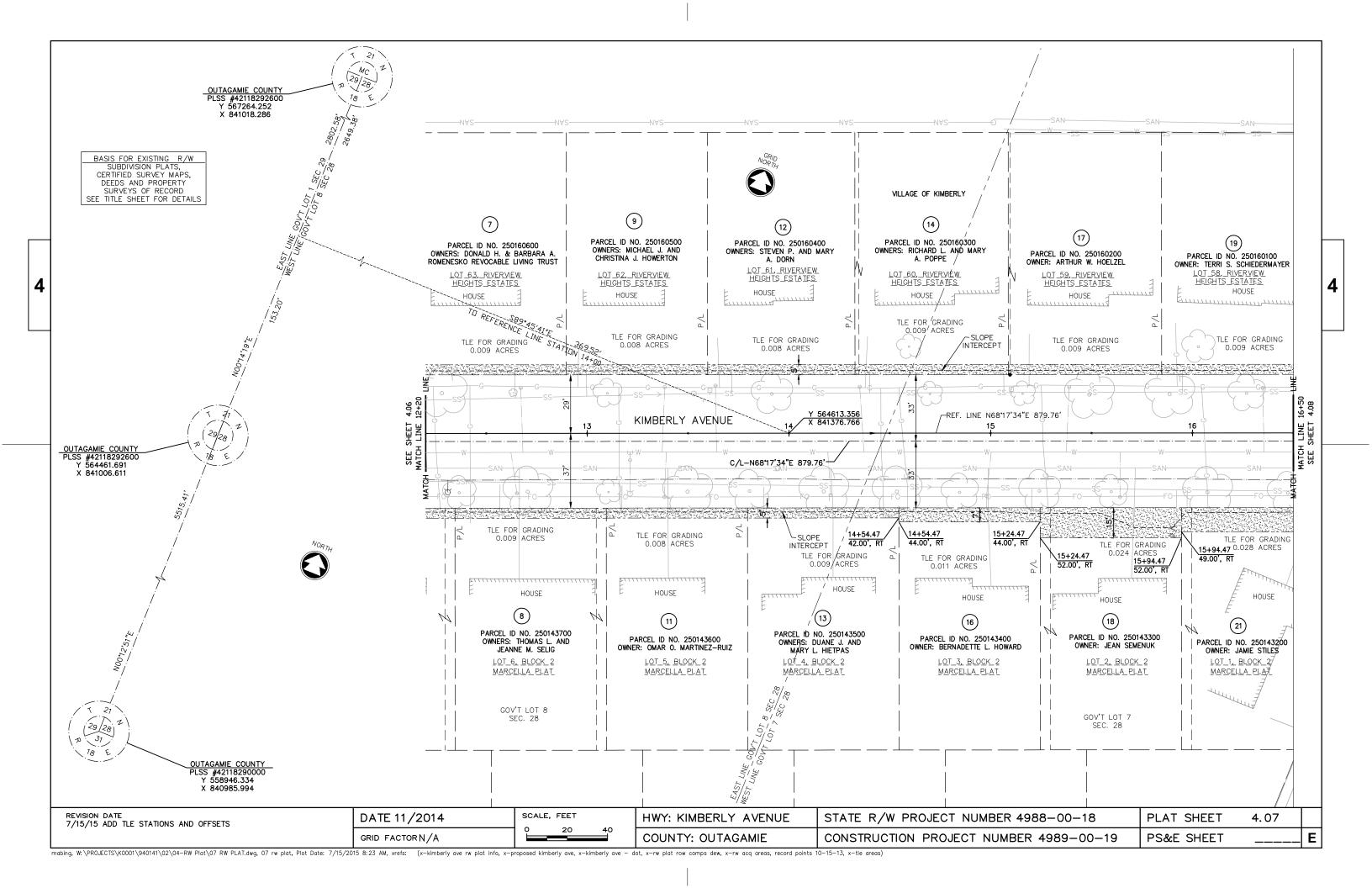
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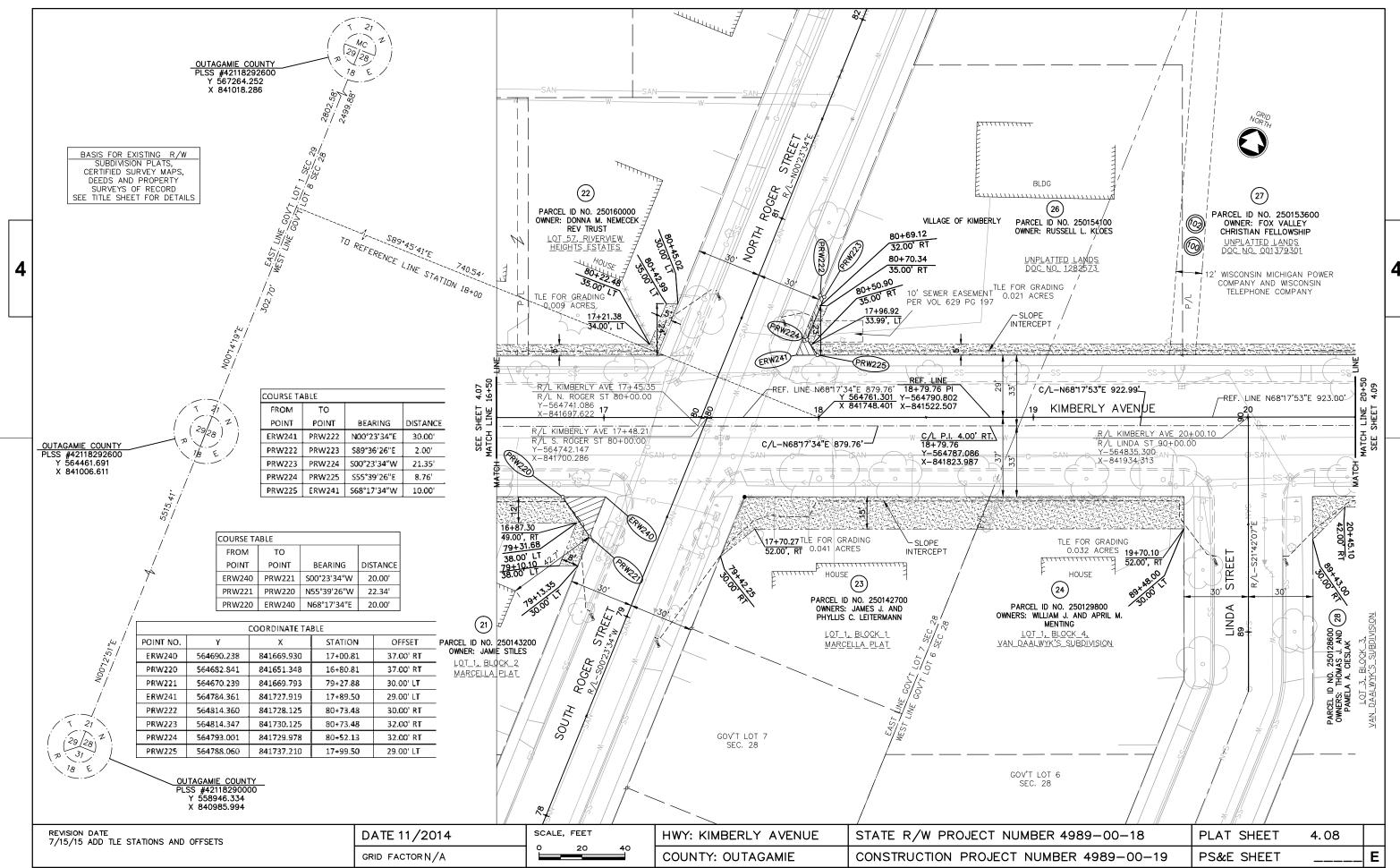
REVISION DATE 7/15/15 ADD PARCEL 77 UPDATE PARCEL 74	DATE 11/2014	SCALE, FEET	HWY: KIMBERLY AVENUE	STATE R/W PROJECT NUMBER 4989-00-18	PLAT SHEET	4.03
	GRID FACTORN/A	0 20 40	COUNTY: OUTAGAMIE	CONSTRUCTION PROJECT NUMBER 4989-00-19	PS&E SHEET	E

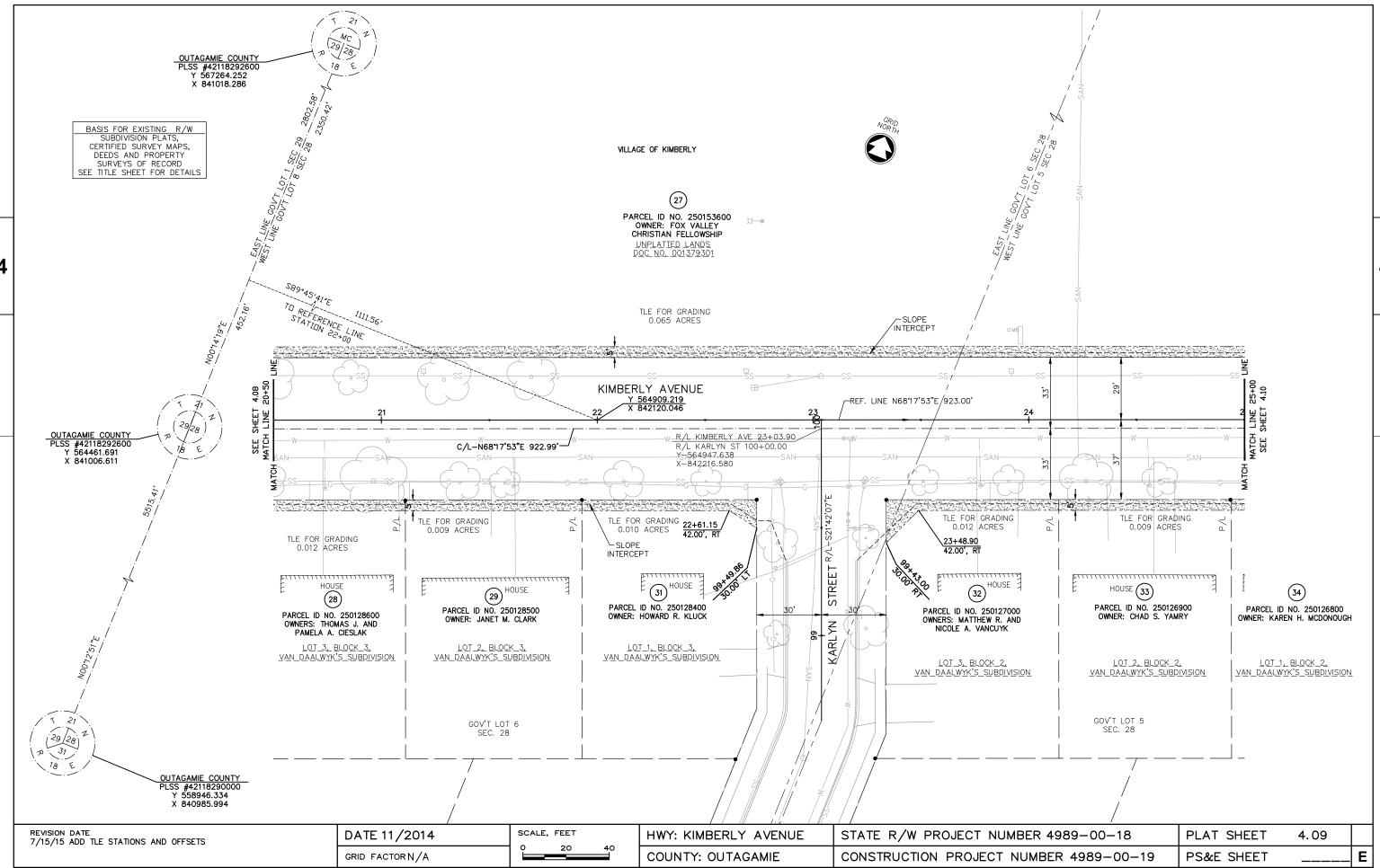


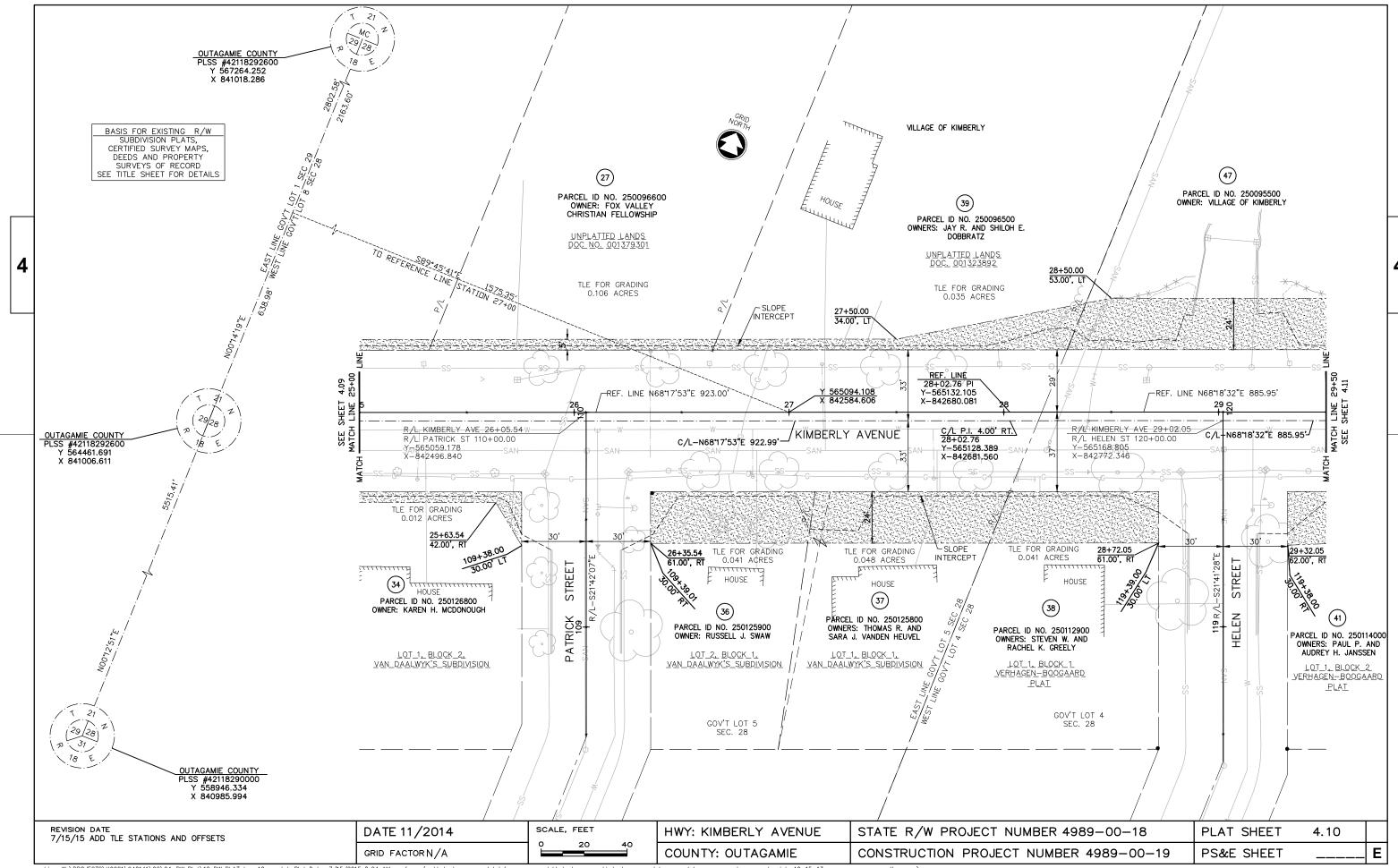


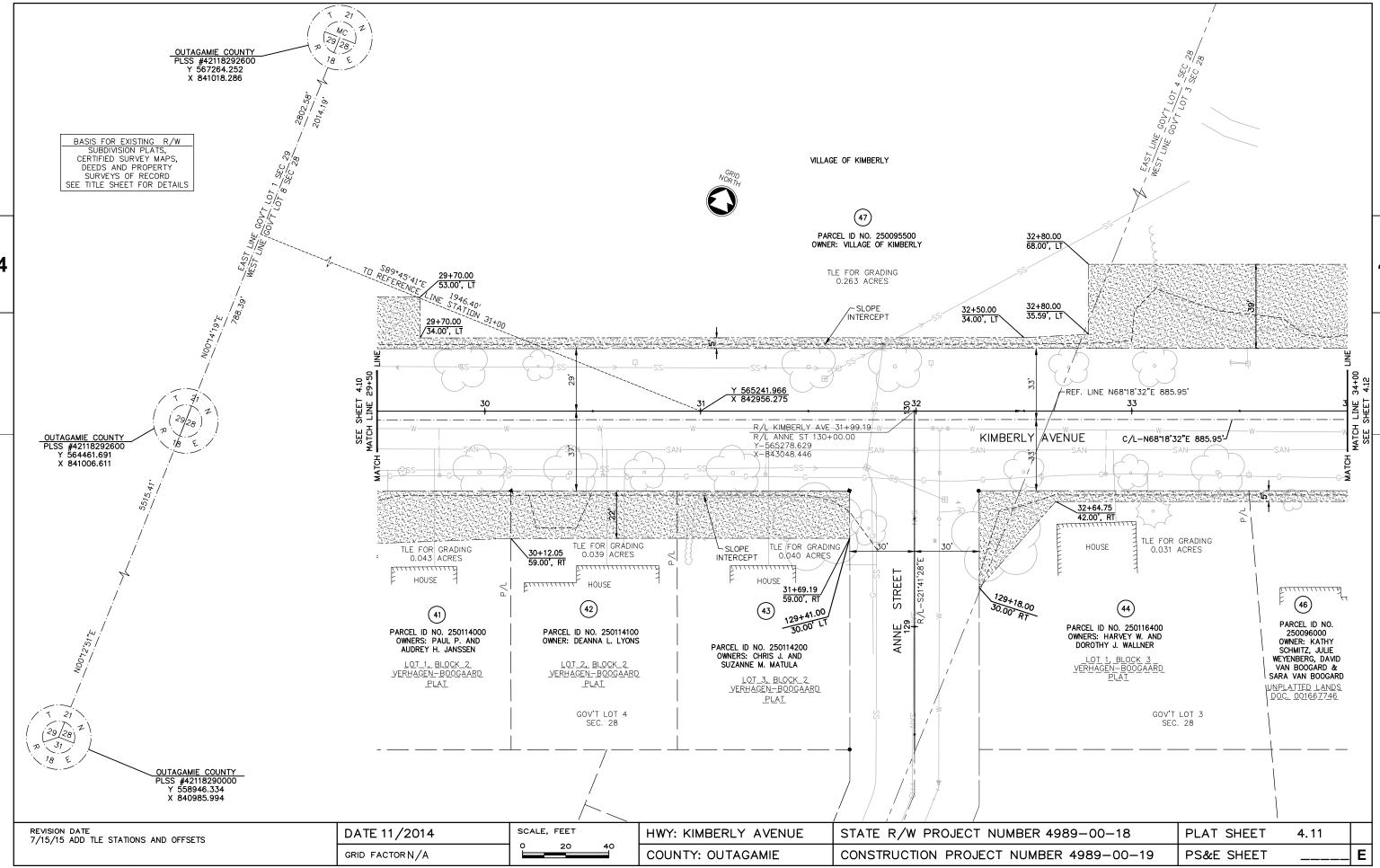


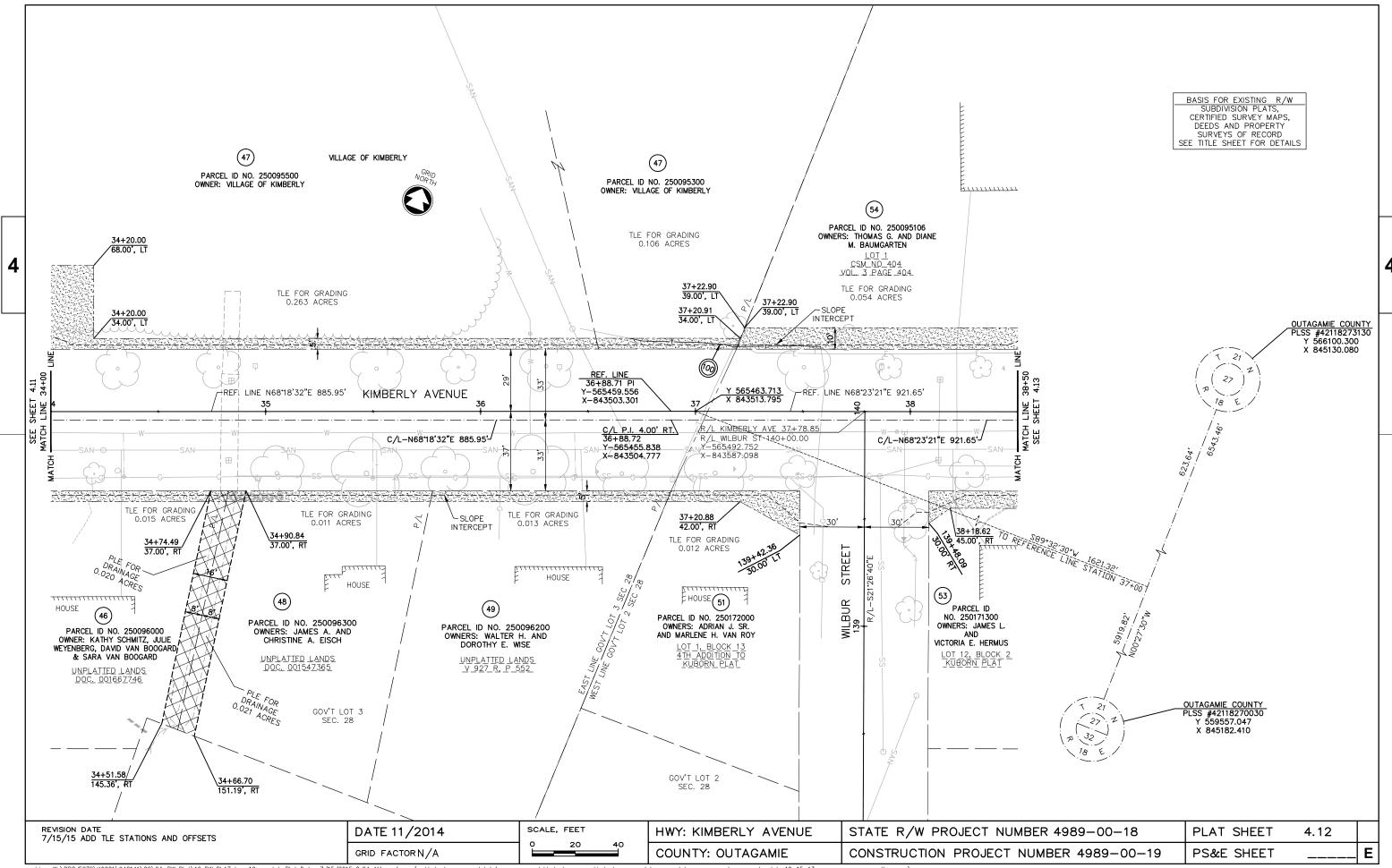


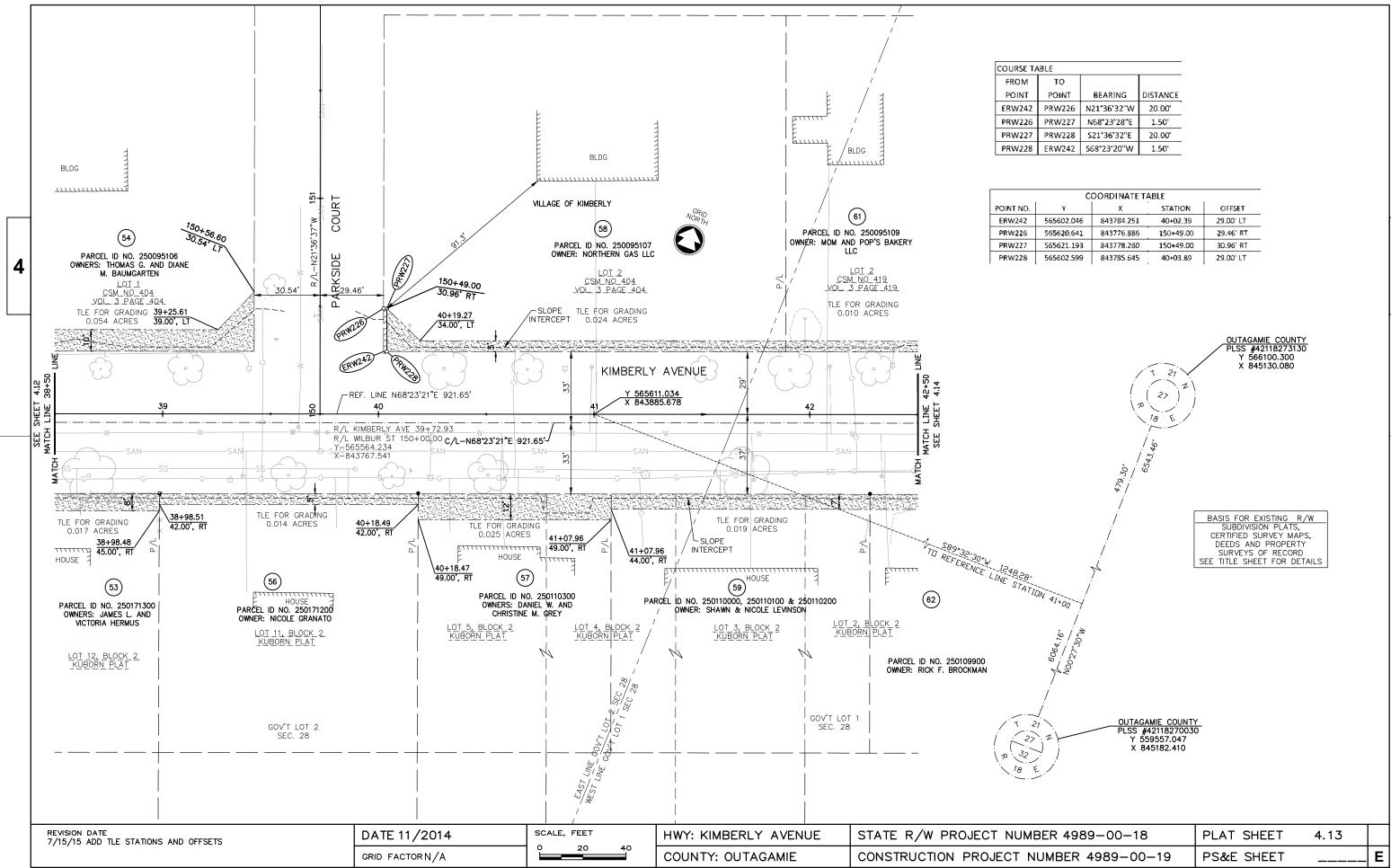


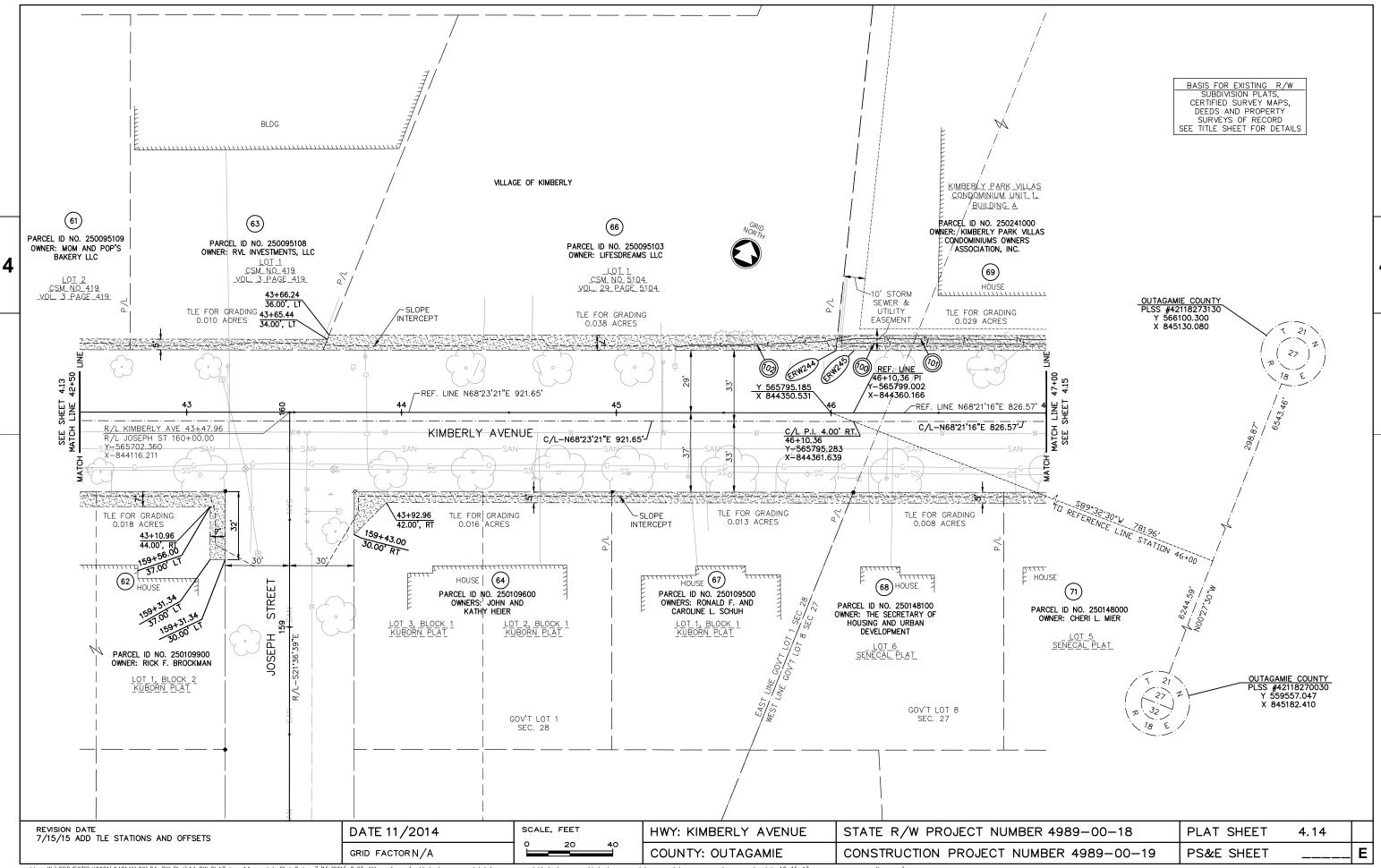


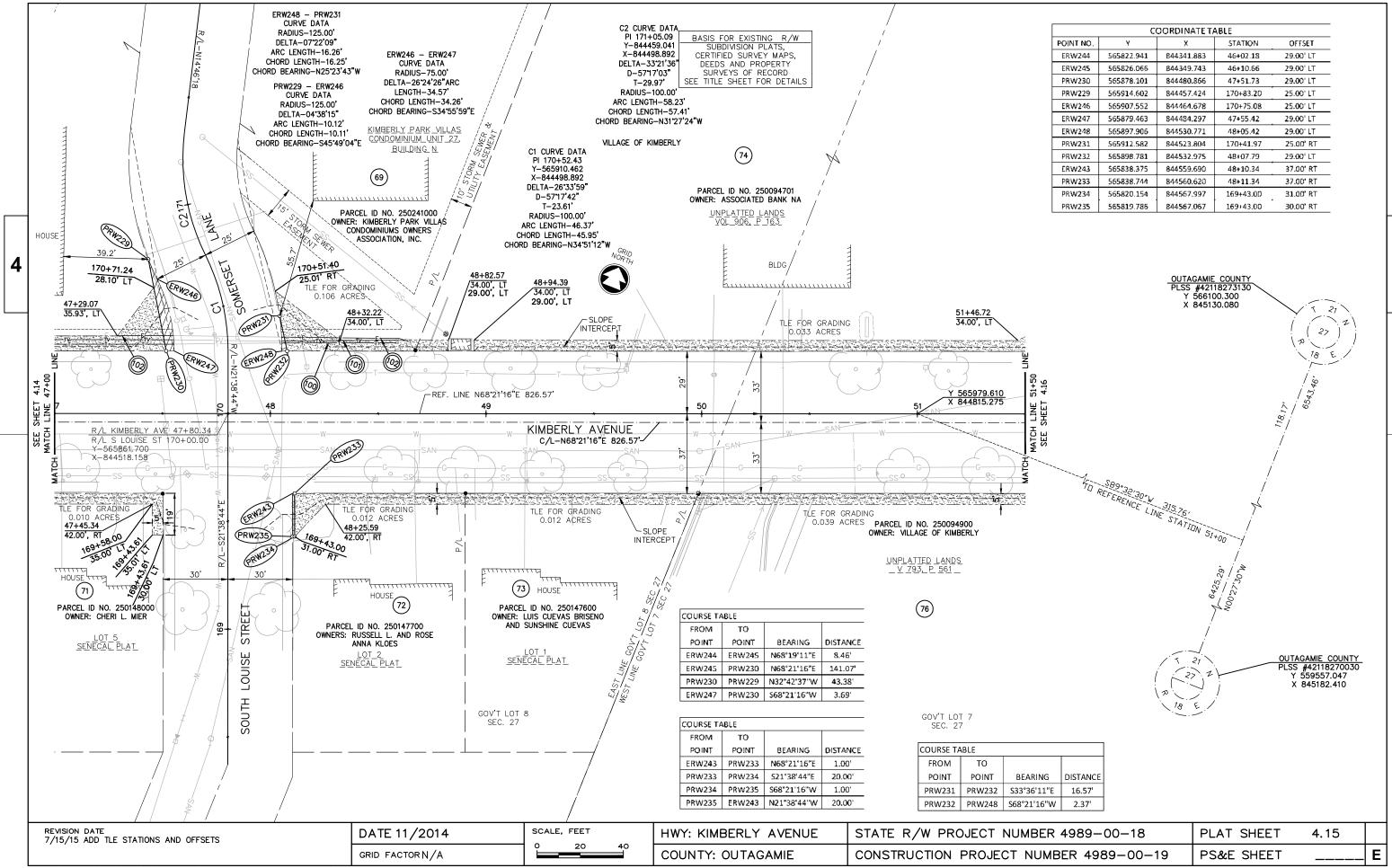


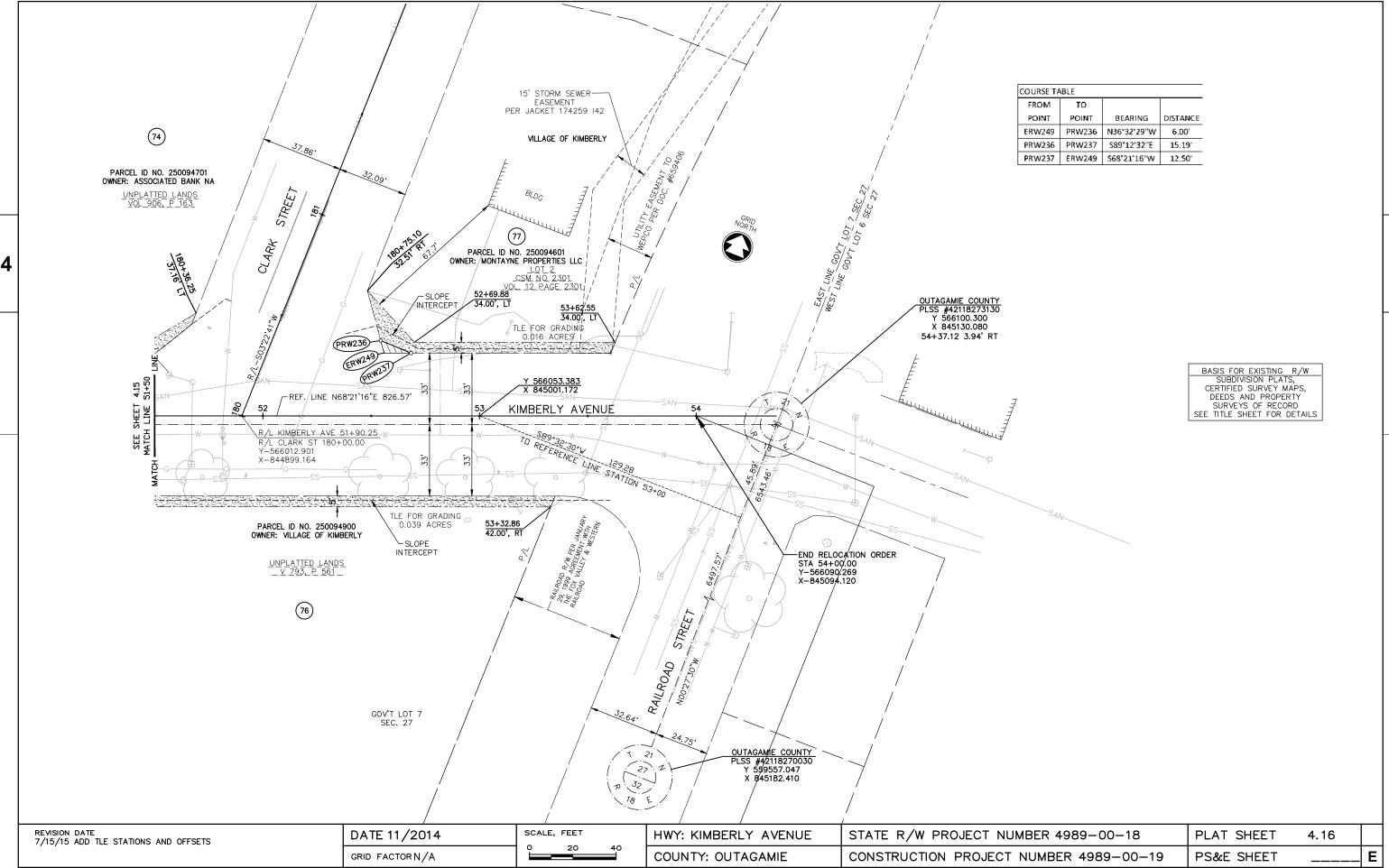


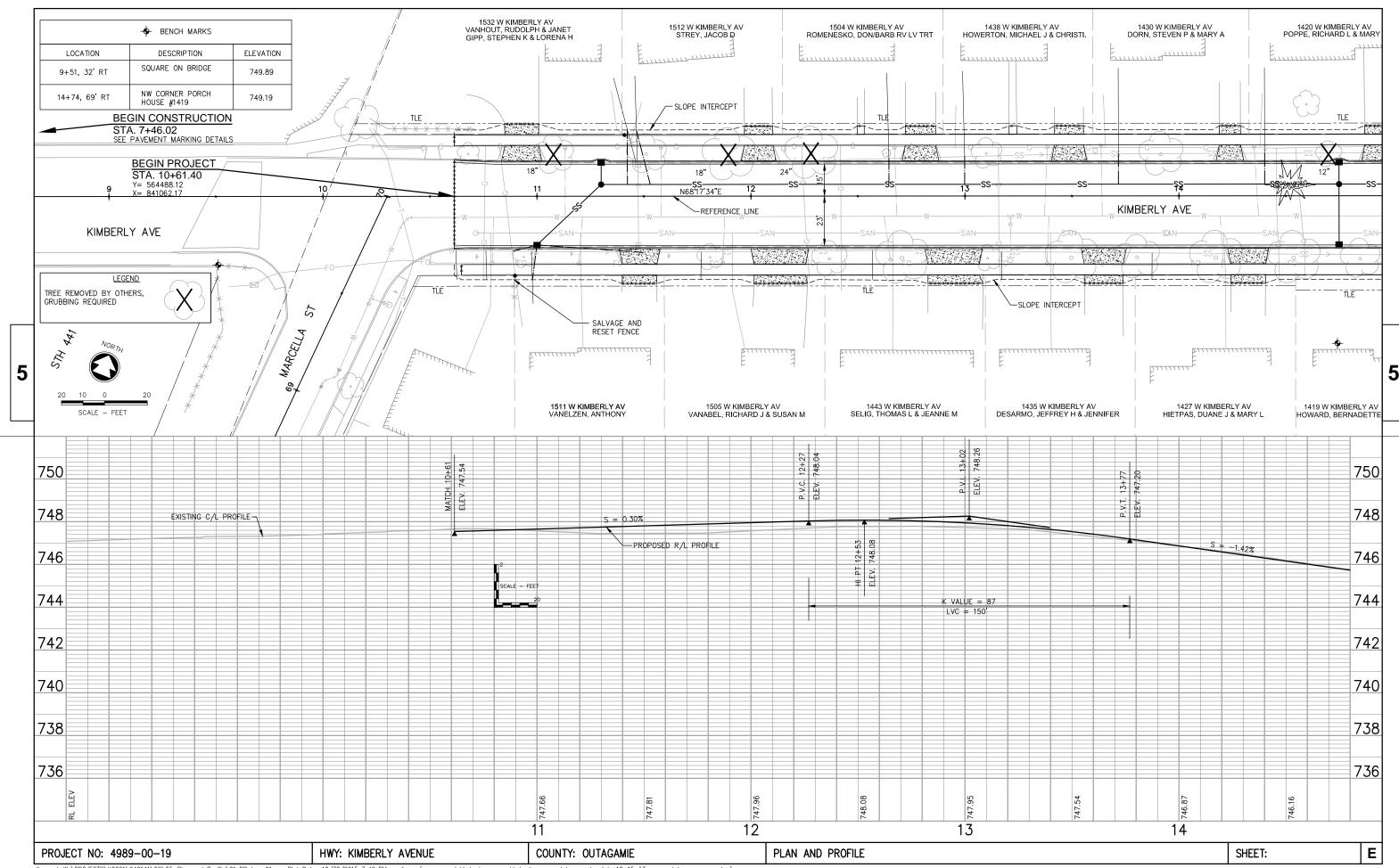


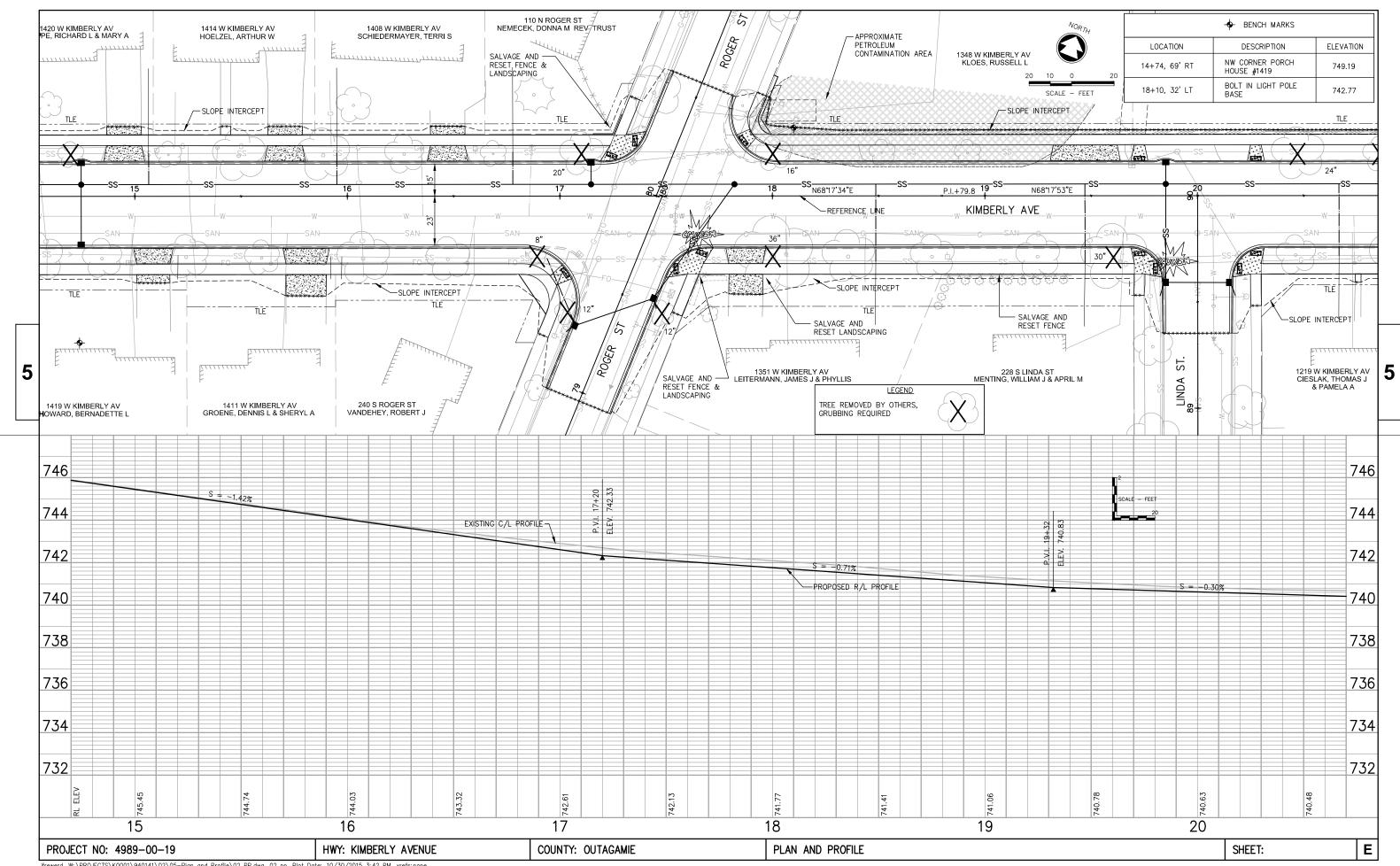


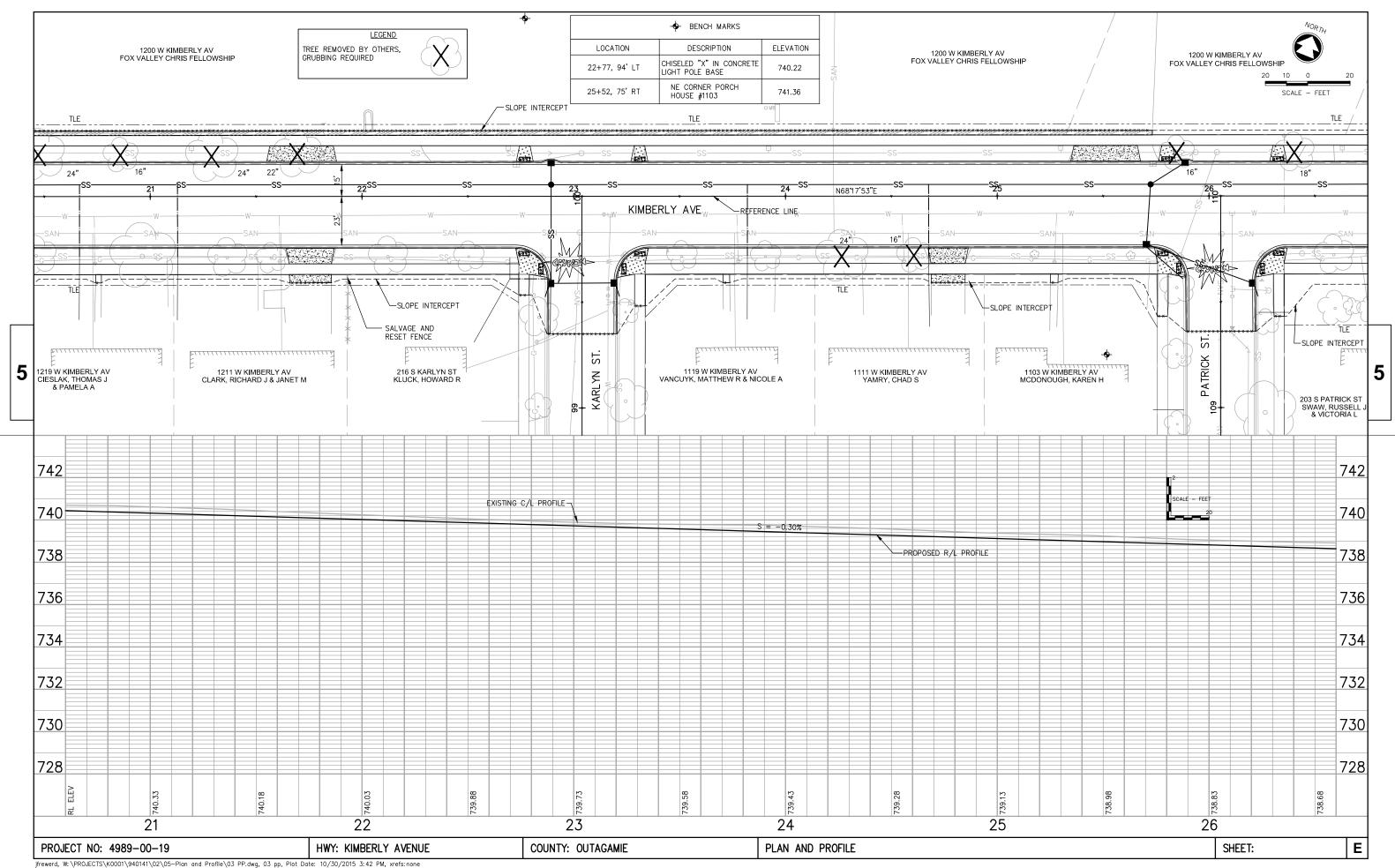


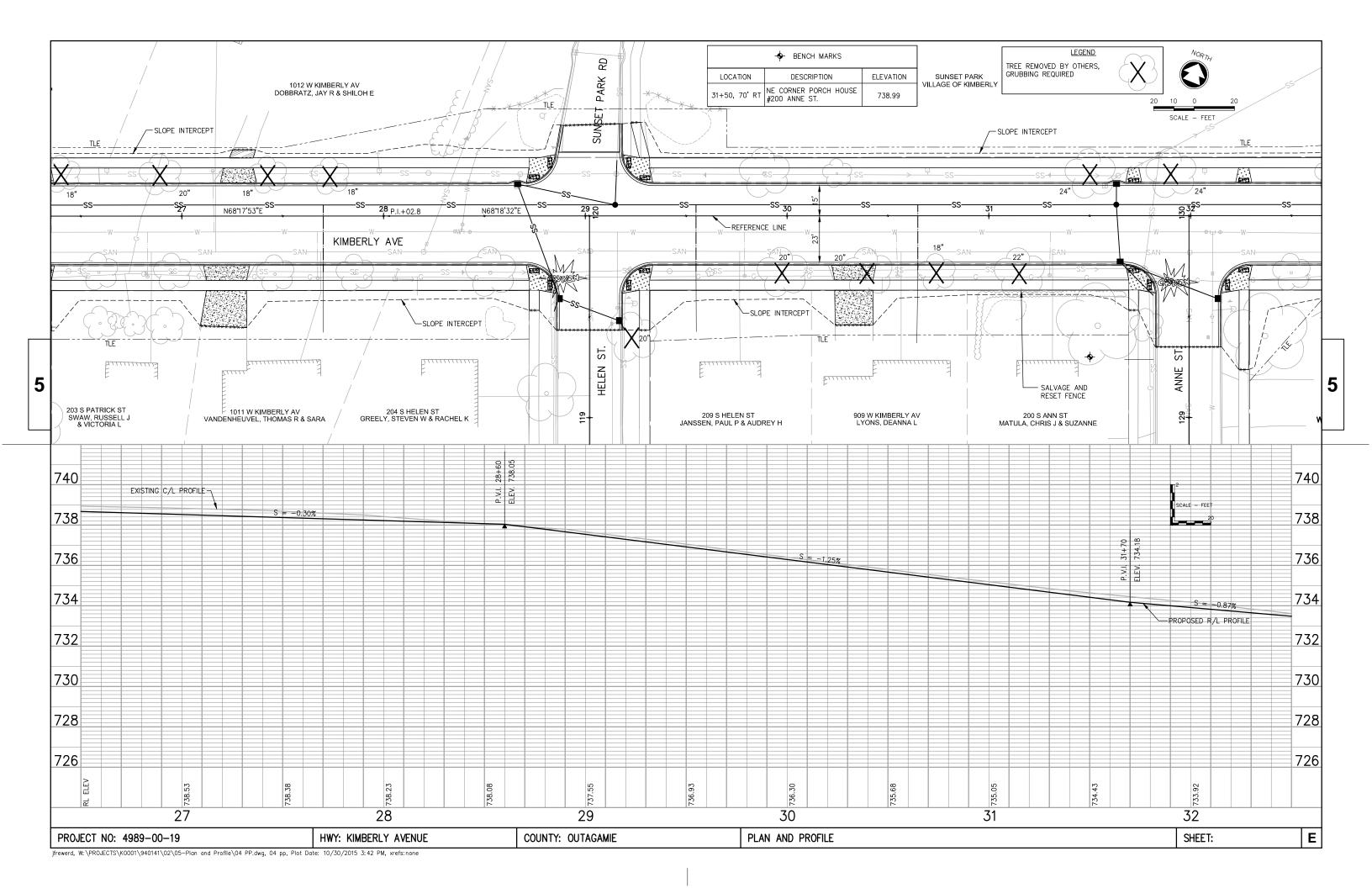


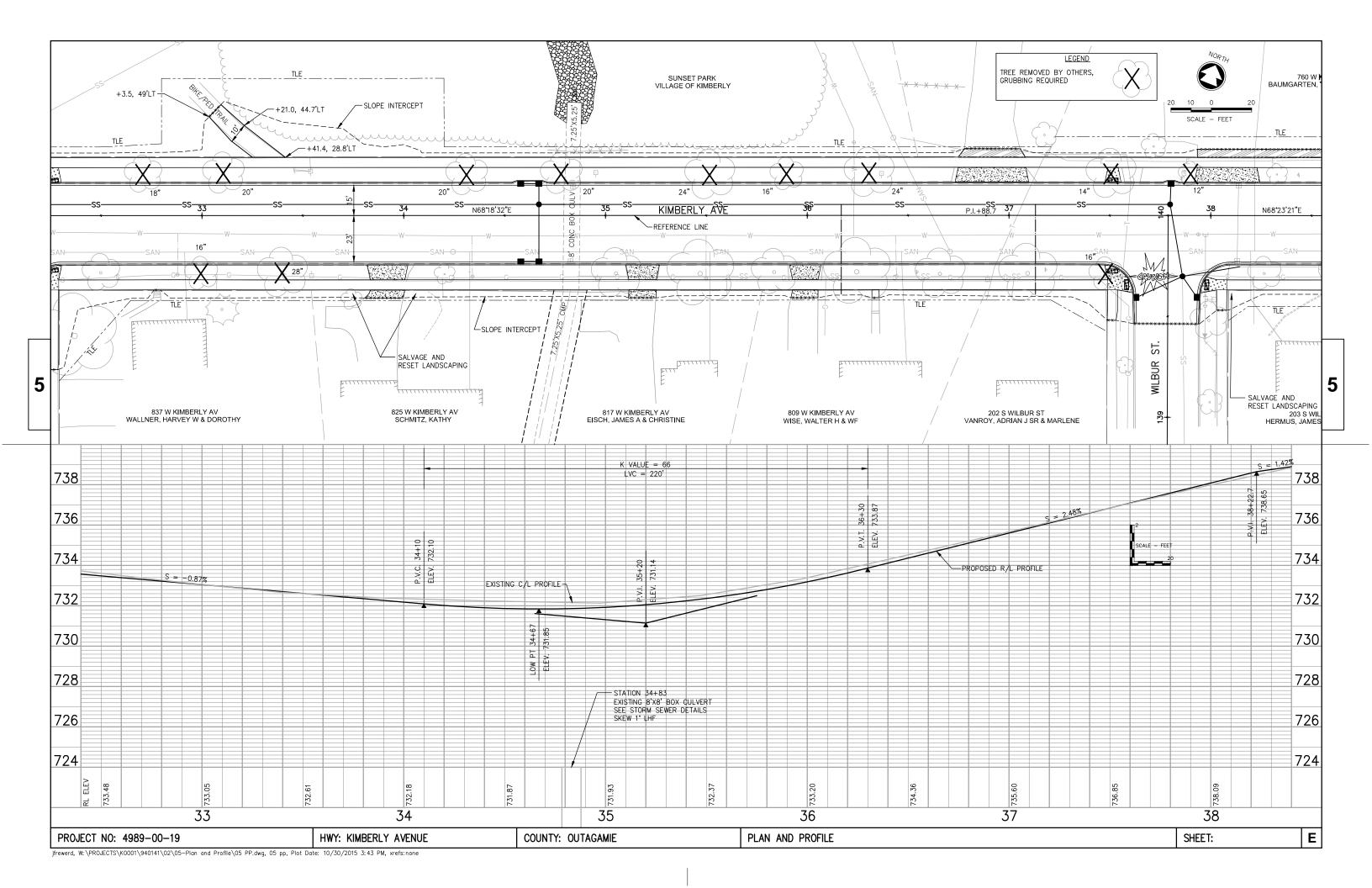


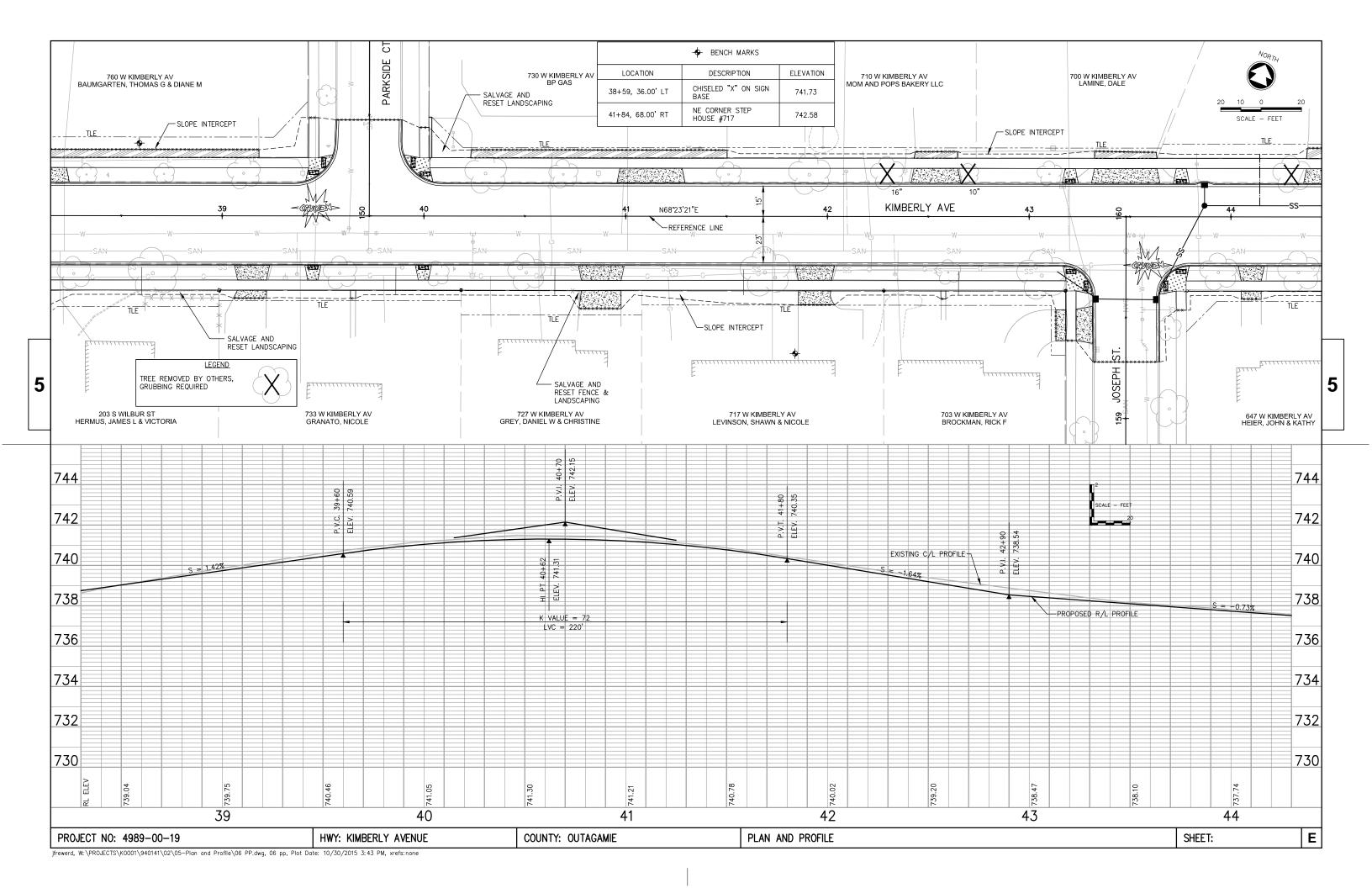


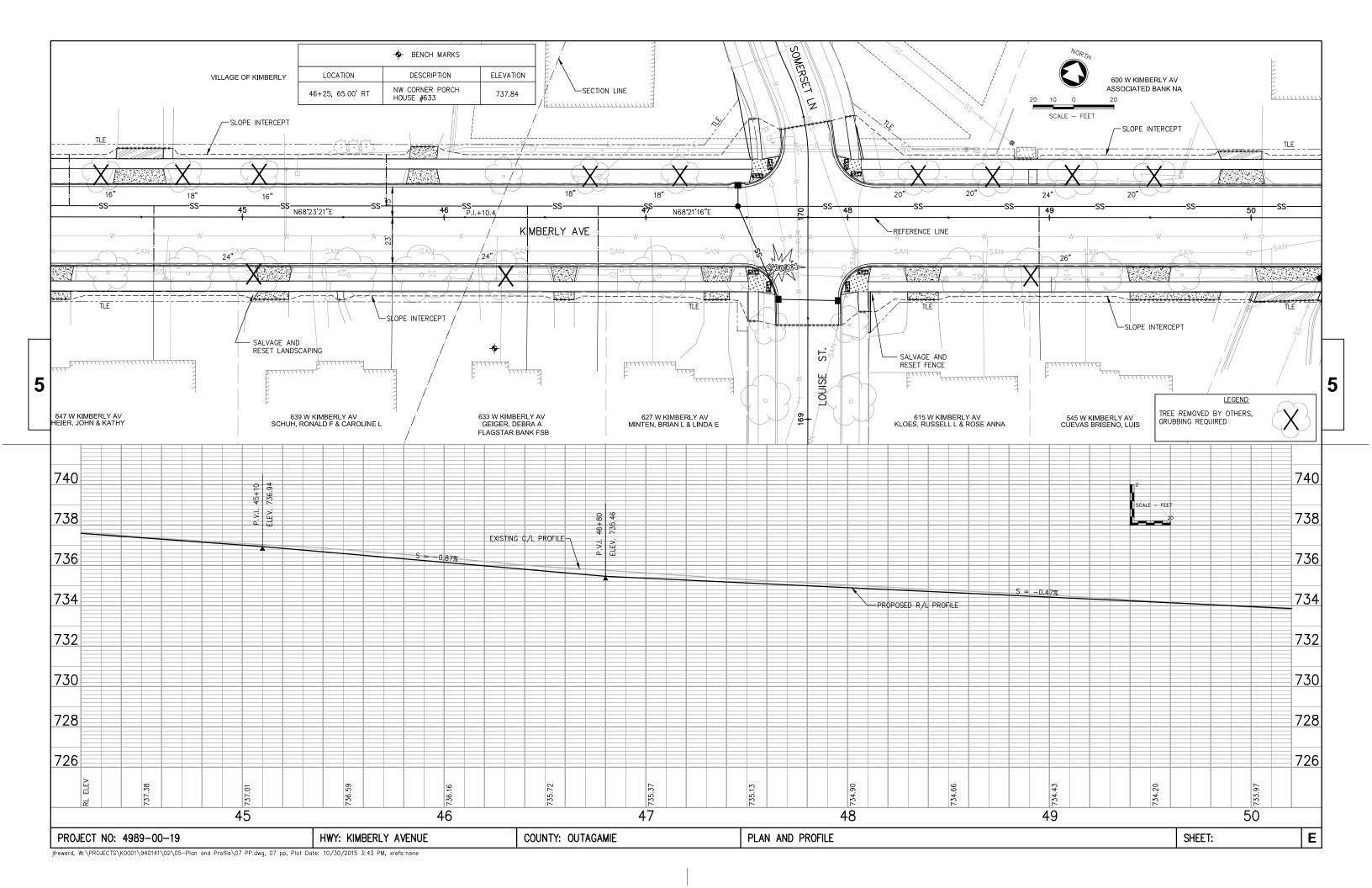


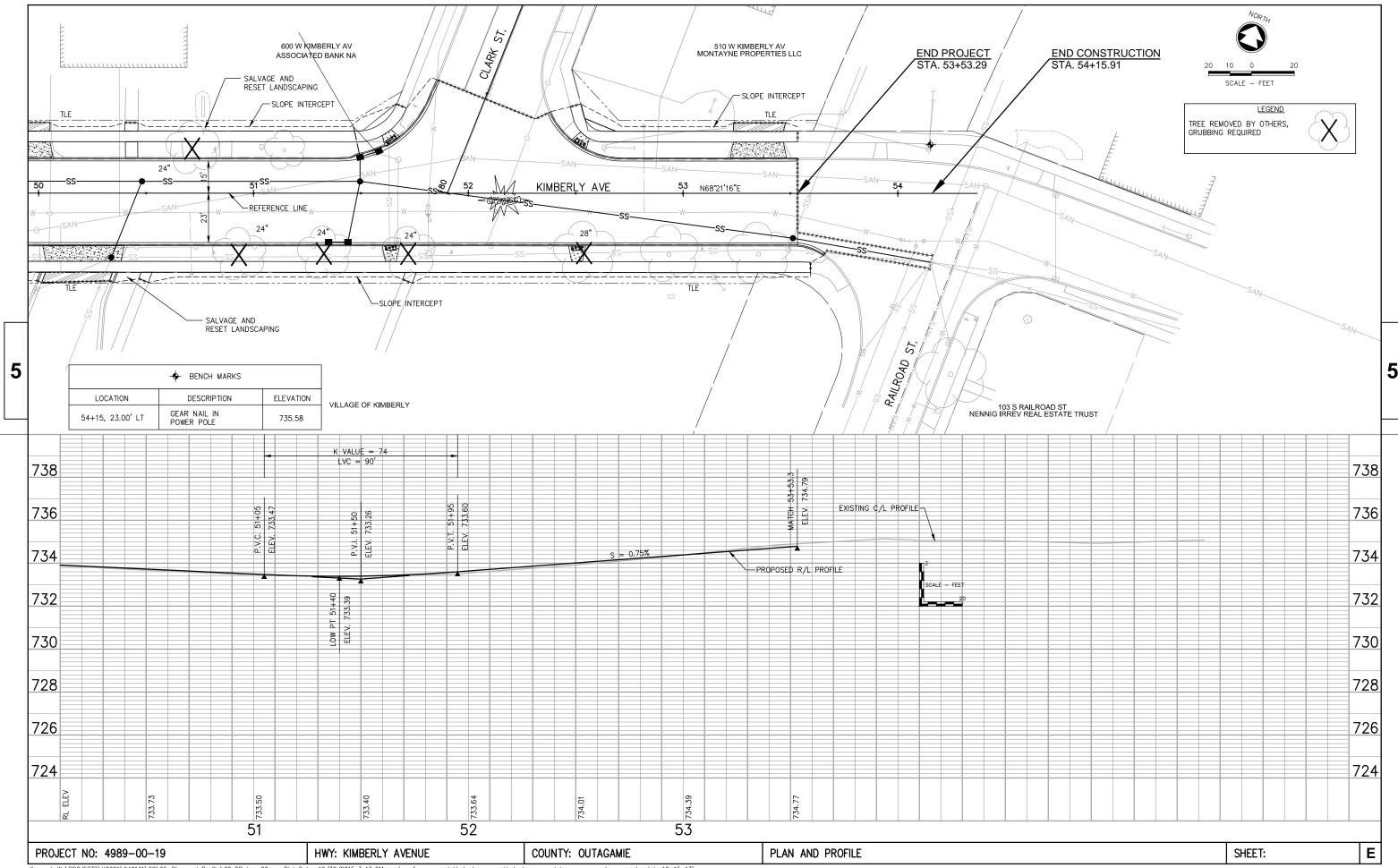


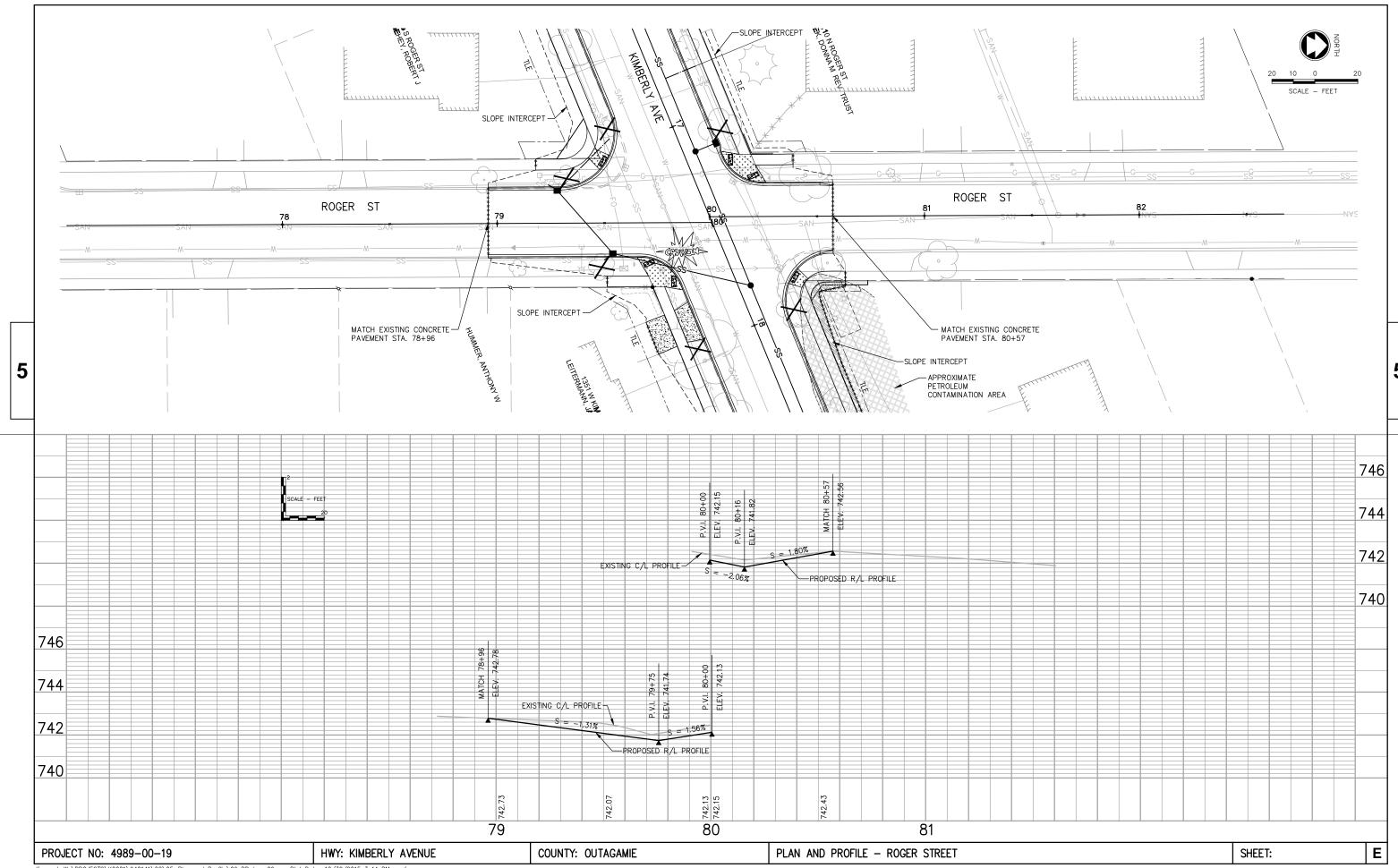


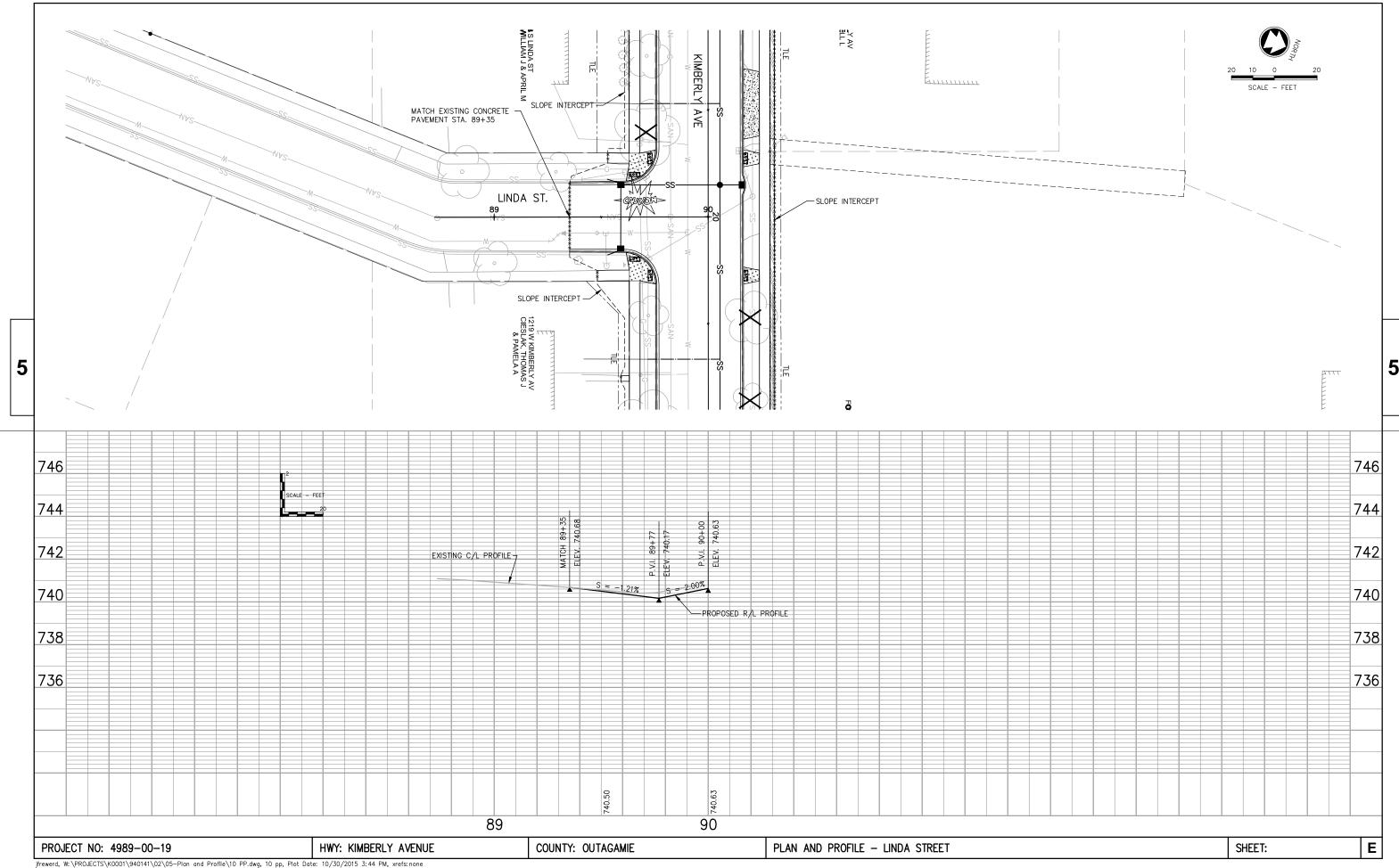


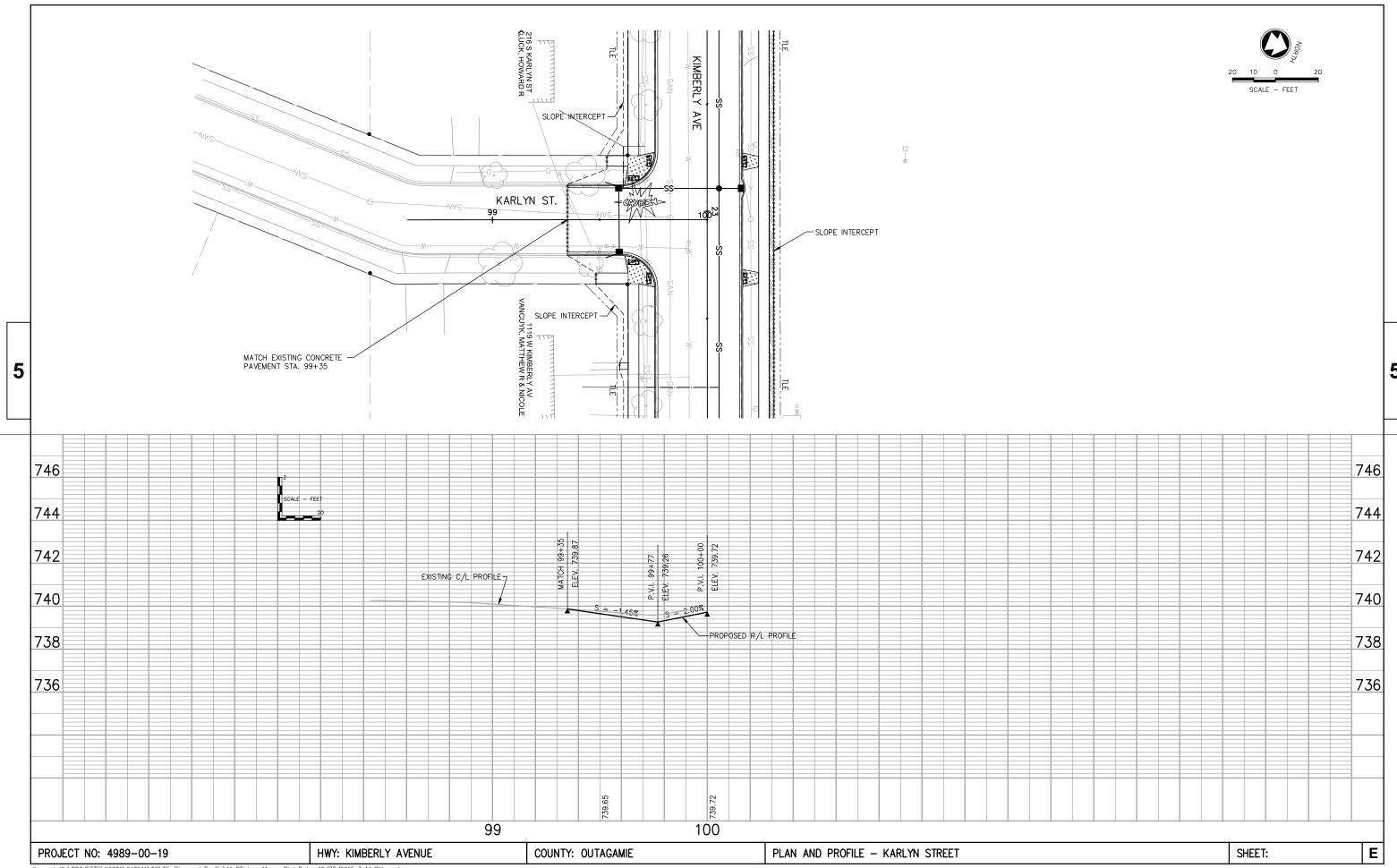


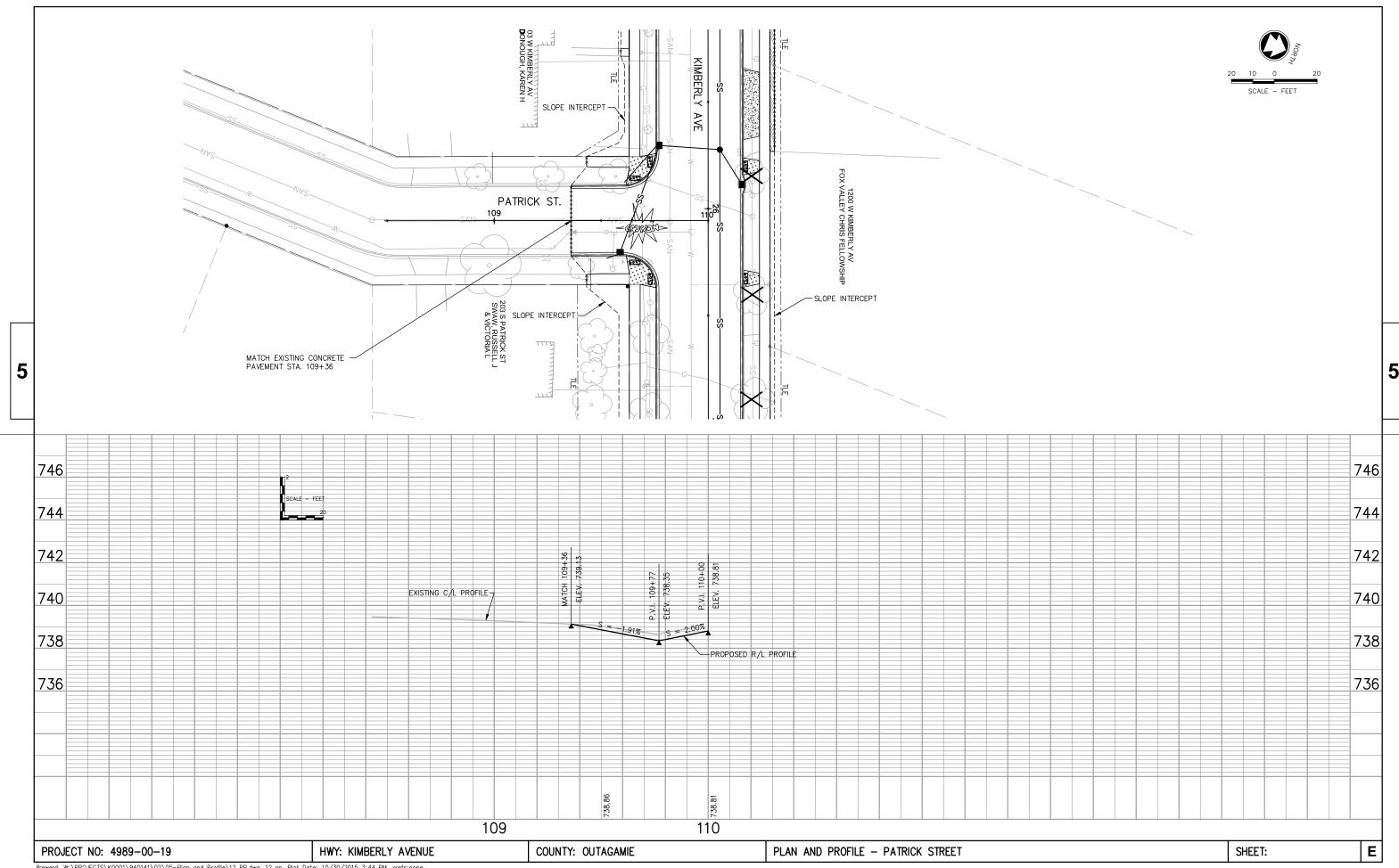


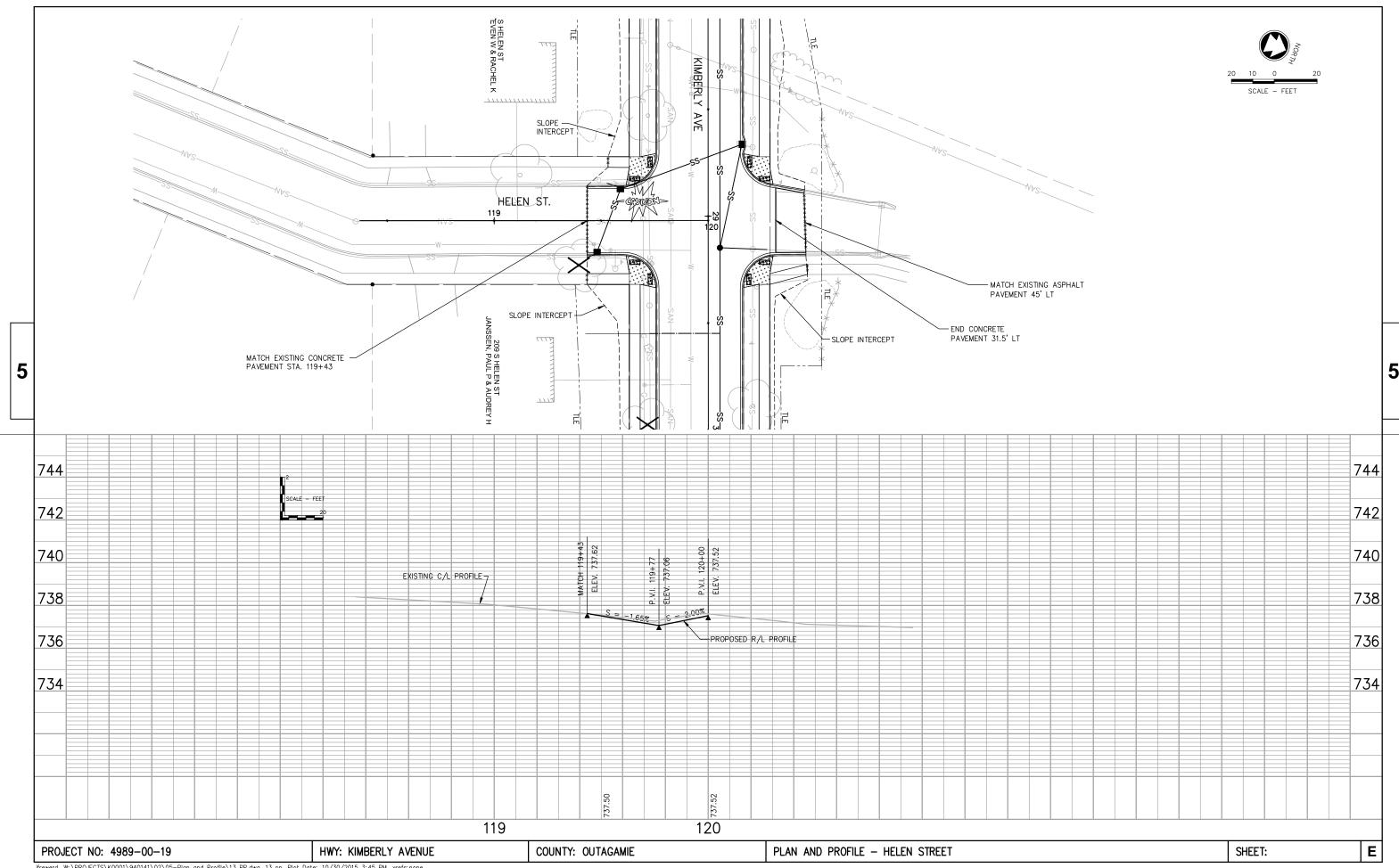


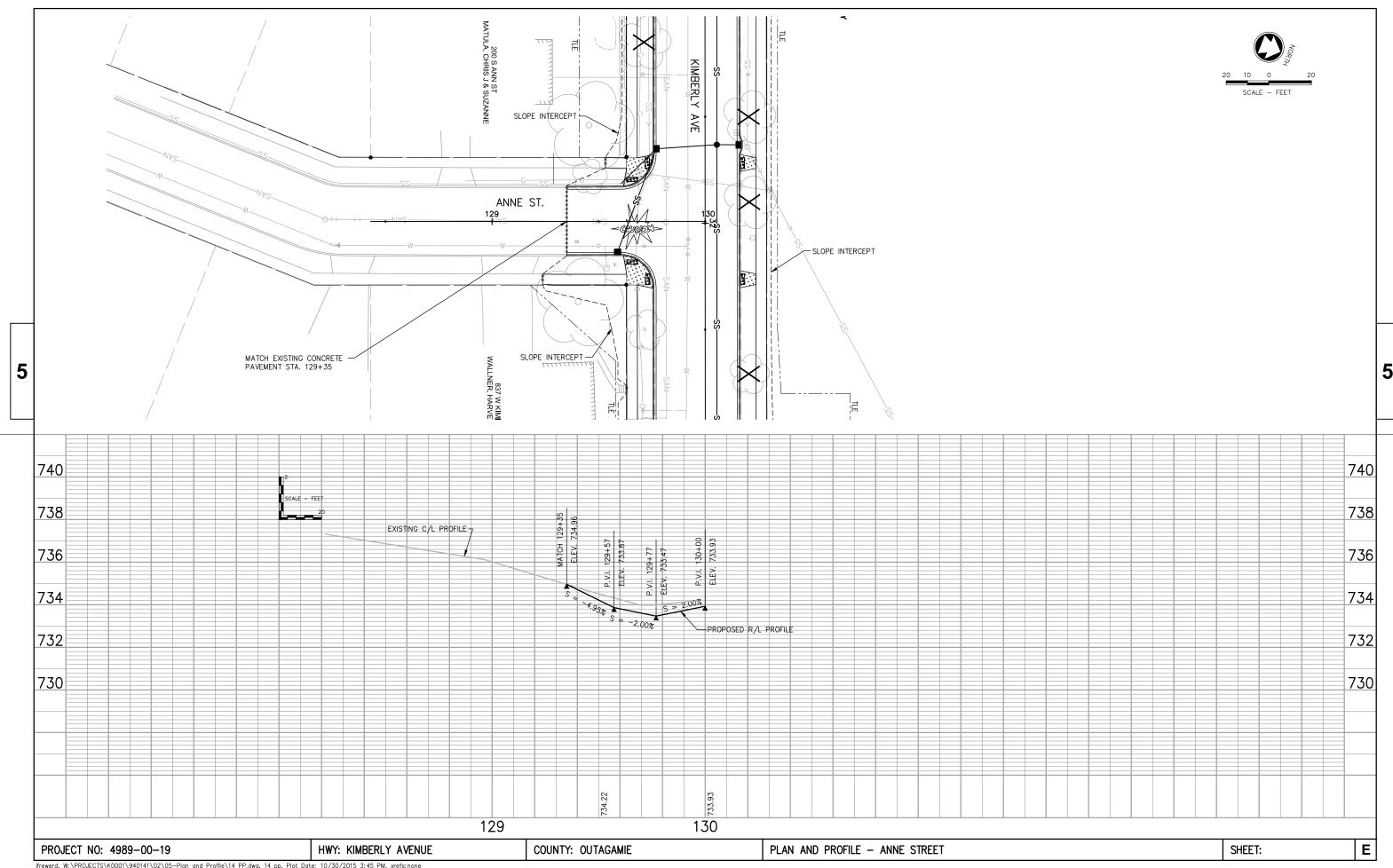


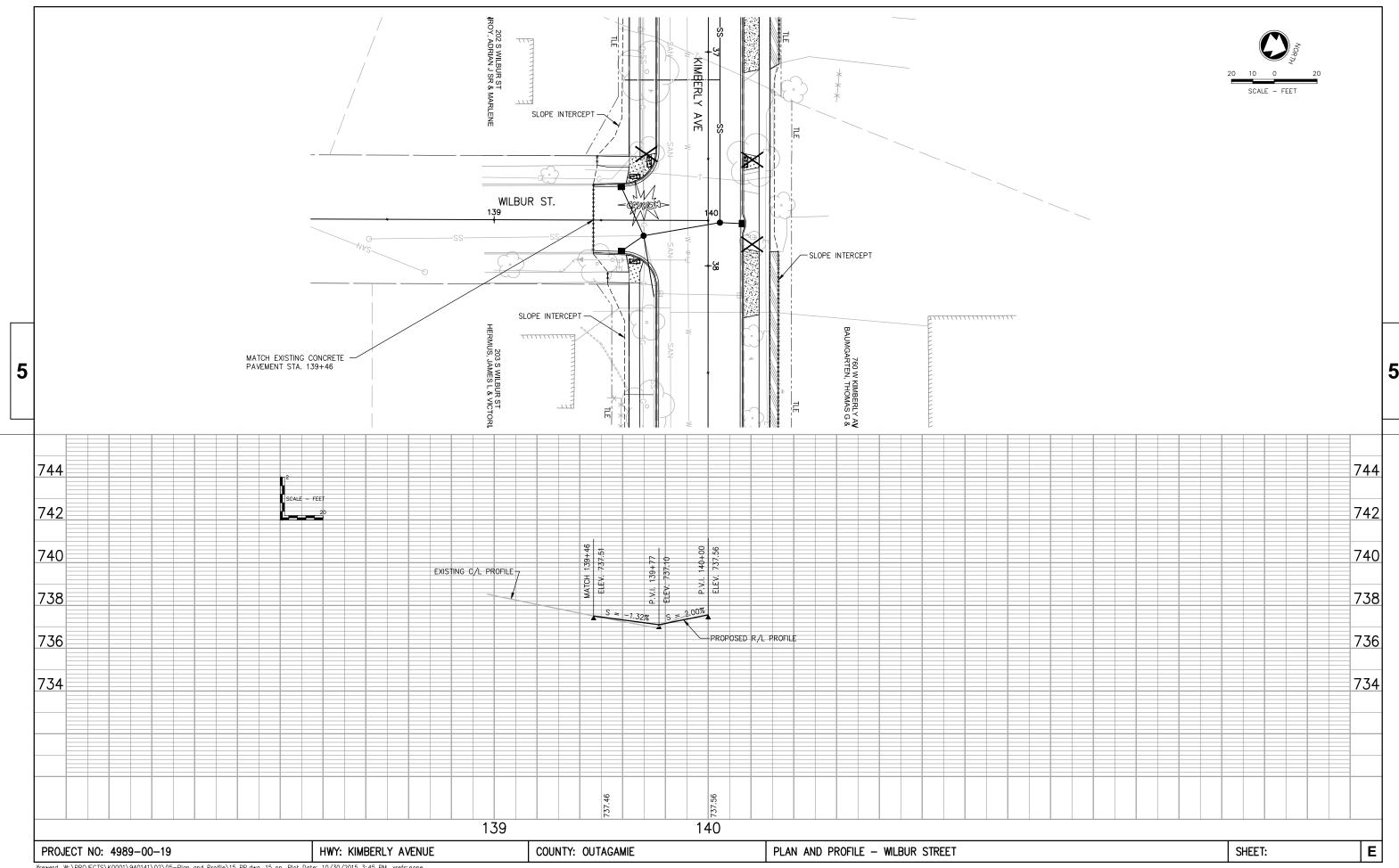


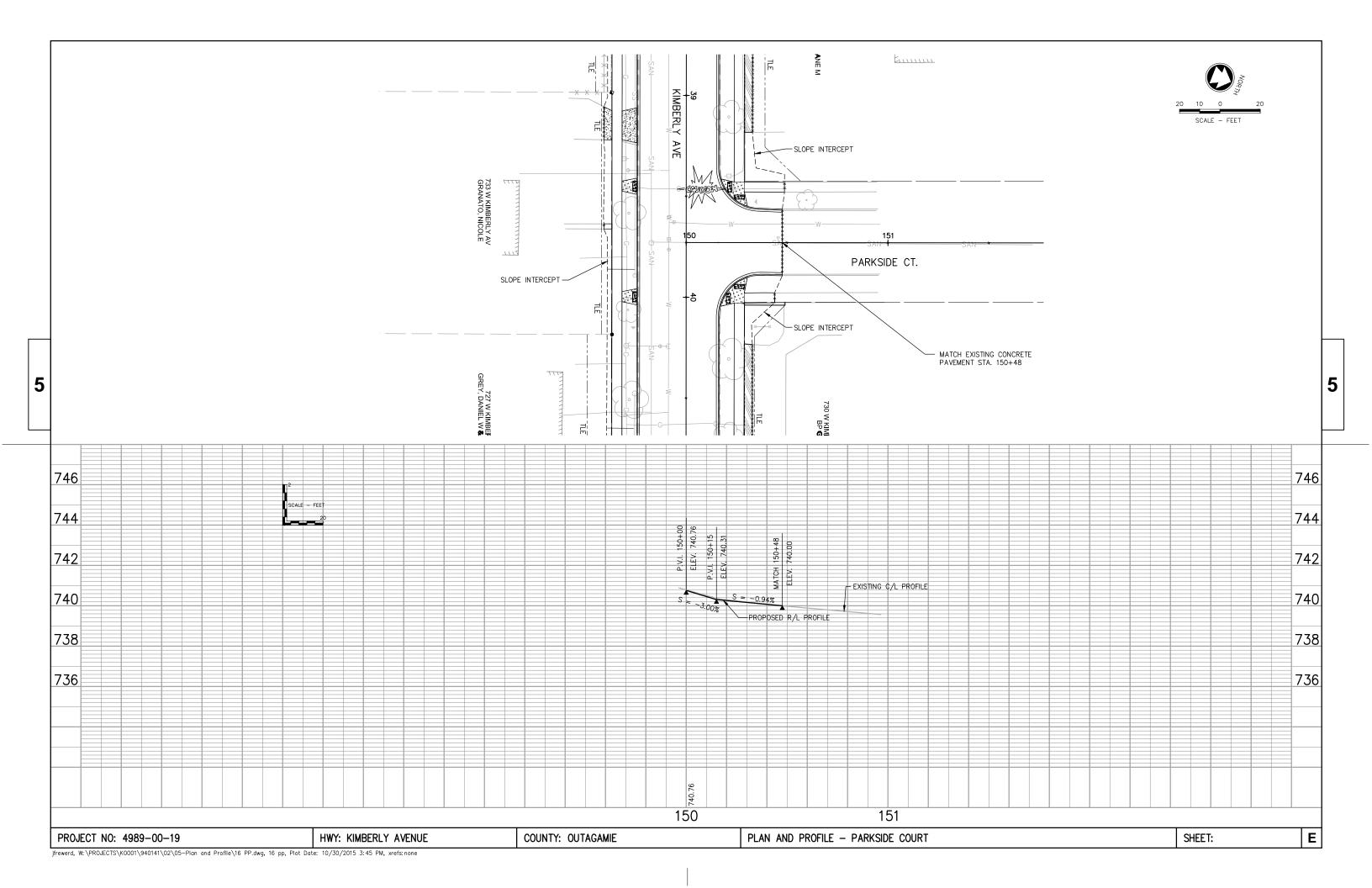


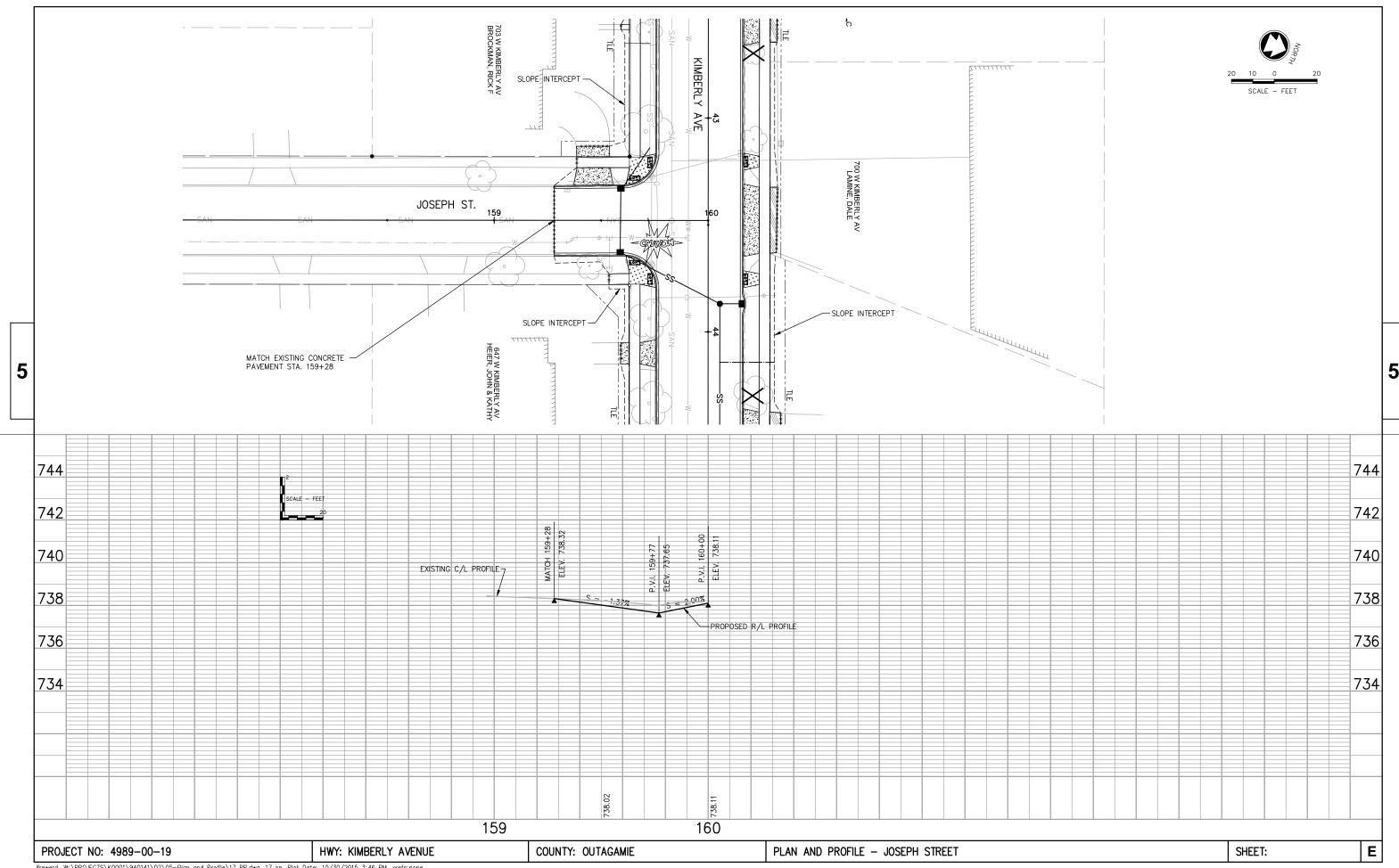


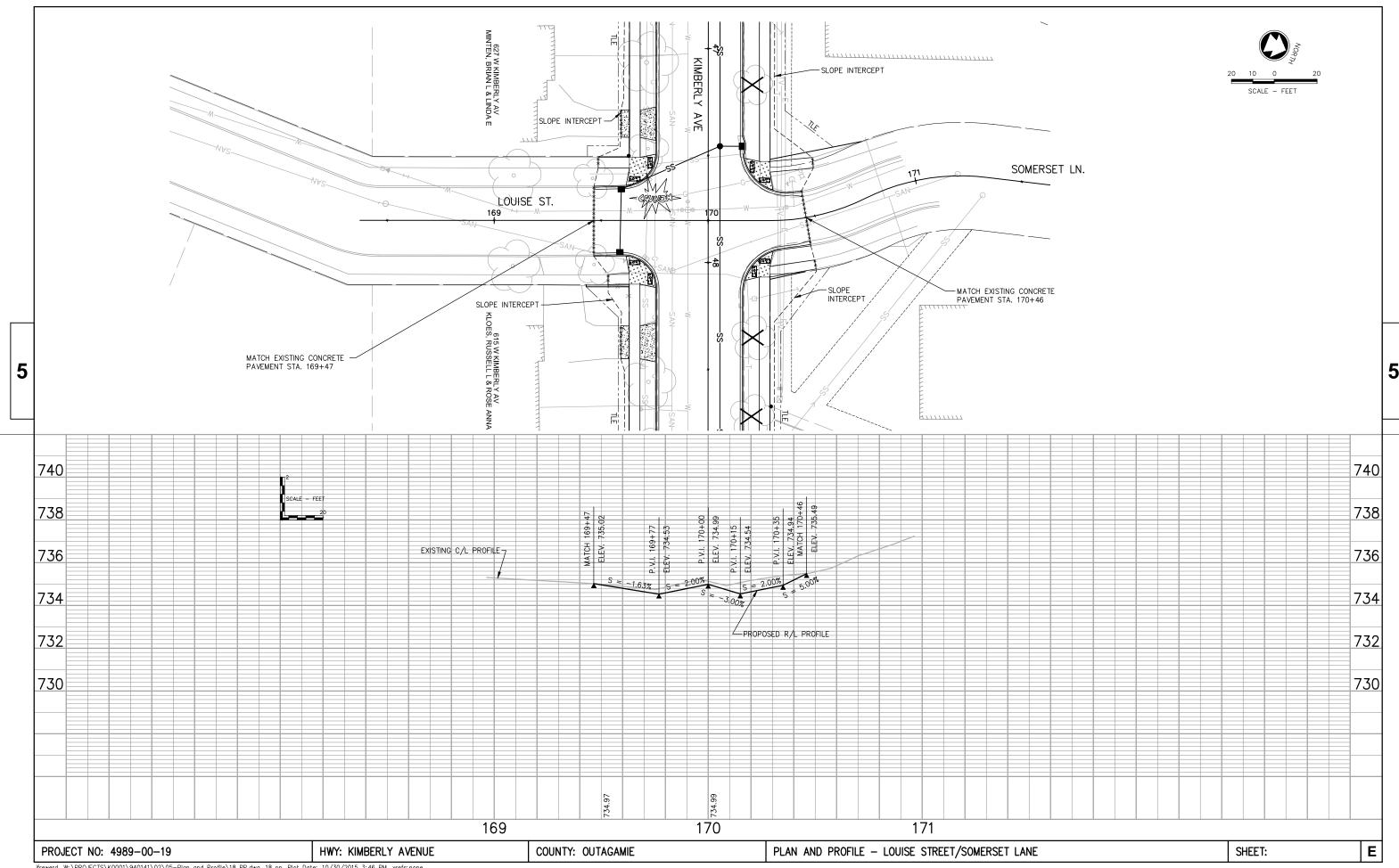


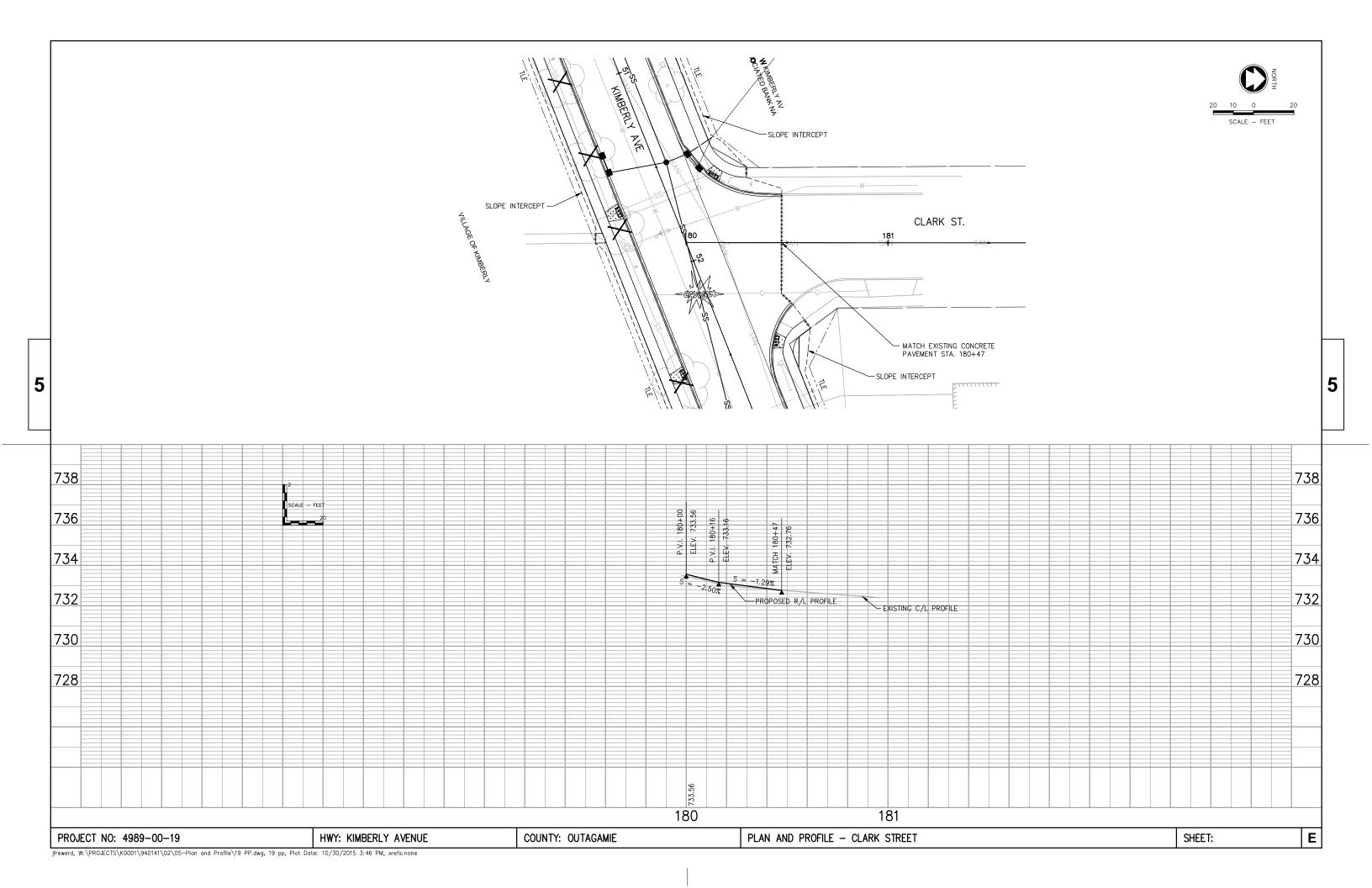






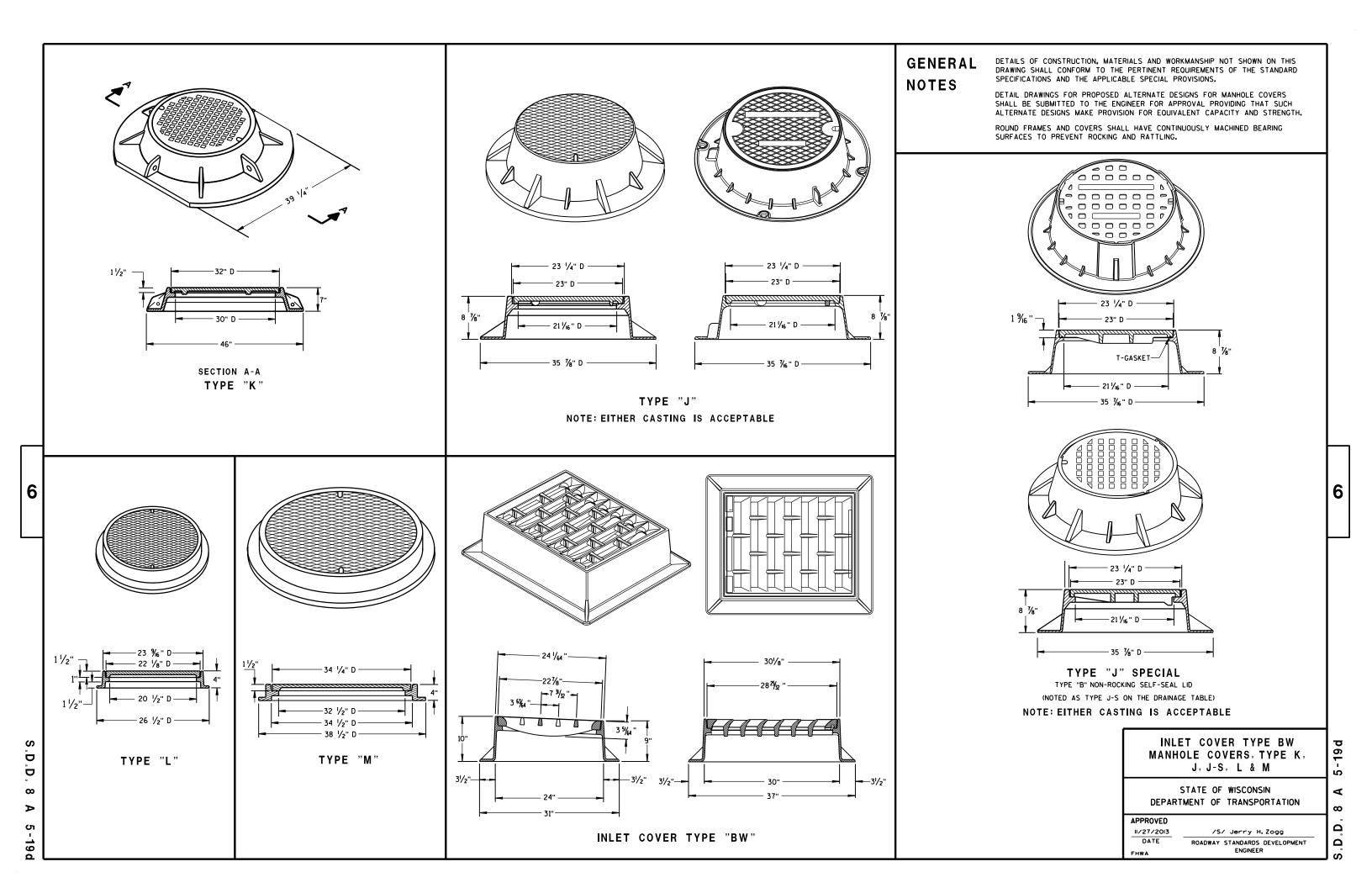






Standard Detail Drawing List

08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D05-16A	CURB RAMPS TYPES 1 AND 1-A
08D05-16B	CURB RAMPS TYPES 2 AND 3
08D05-16C	CURB RAMPS TYPES 4A AND 4A1
08D05-16D	CURB RAMPS TYPE 4B AND 4B1
08D05-16E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-08	URBAN DOWELED CONCRETE PAVEMENT
13C18-03A	CONCRETE PAVEMENT JOINTING
13C18-03B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-03C	CONCRETE PAVEMENT JOINT TIES
13C18-03D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-02	BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C29-03A	BICYCLE LANE MARKING
15C29-03B	BICYCLE LANE MARKING
15C29-03C	URBAN BICYCLE LANE MARKING
15C29-03D	URBAN BICYCLE LANE MARKING
15C29-03E	PAVEMENT MARKING FOR BIKE LANES
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D30-02A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-02B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-02C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



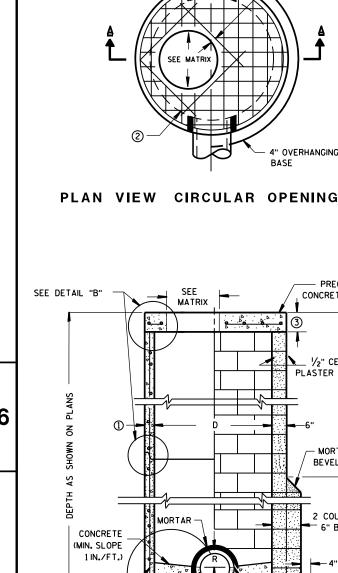






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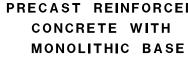
SEE

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 유표

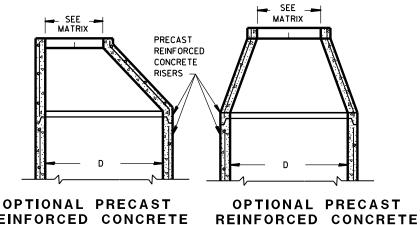
12'. EPT

6" BLOCK

4" MIN

SPLIT PIPE OR FORM CONCRETE TO FIT

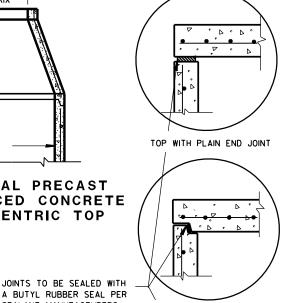
PLASTER COAT



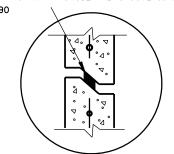
REINFORCED CONCRETE **ECCENTRIC TOP** CONCENTRIC TOP

PRECAST

WALL

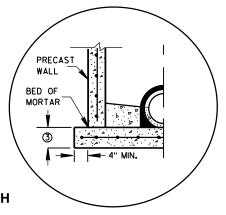


A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS TOP WITH TONGUE AND GROOVE JOINT RECOMMENDATIONS CONFORMING TO ASTM C990



RISER WITH TONGUE AND GROOVE JOINT

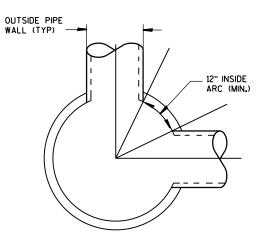
DETAIL "B"



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 PIF FOR TWO F	
SIZE	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

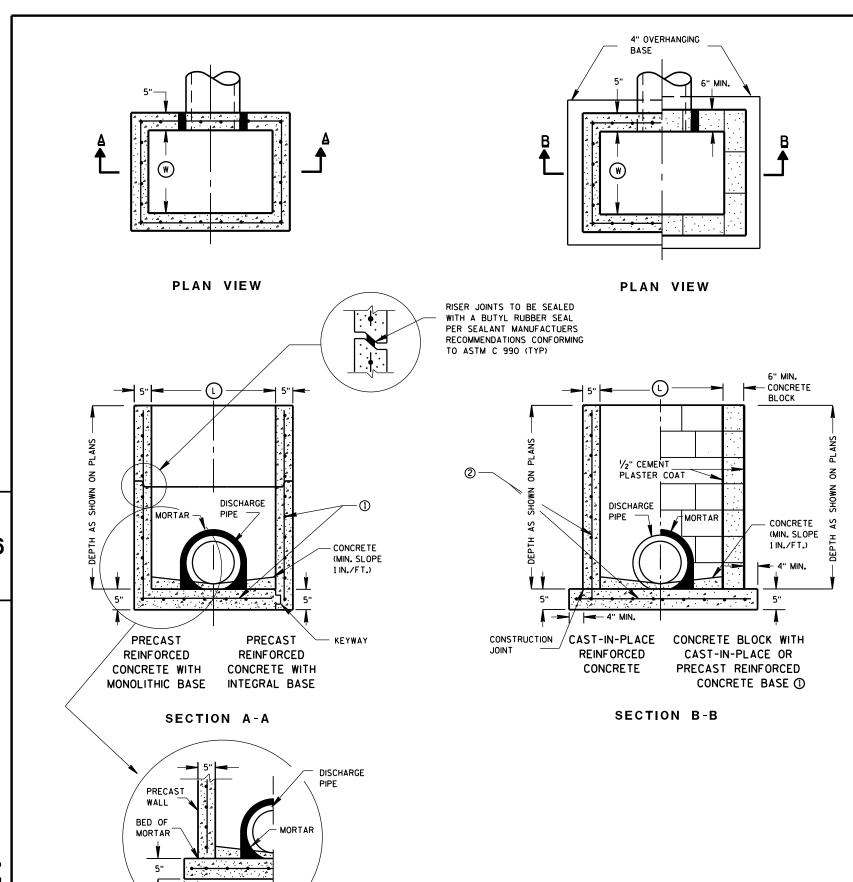
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

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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.

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

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

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

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

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

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

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

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

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

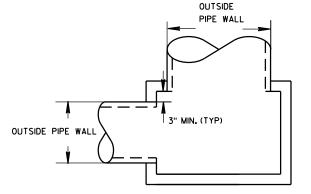
- 1) FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.
- (2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

	INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	s	т	v	WM
		WIDTH (W) (FT)	LENGTH (L) (FT)									
	2X2-FT	2	2	X	х				Х		х	
ſ	2X2.5-FT	2	2.5			Х			Х	Х	Х	Х
[2X3-FT	2	3					Х				
	2.5X3-FT	2.5	3				Х					

PIPE MATRIX

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



DETAIL "A"

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 6/5/2012 DATE

FHWA

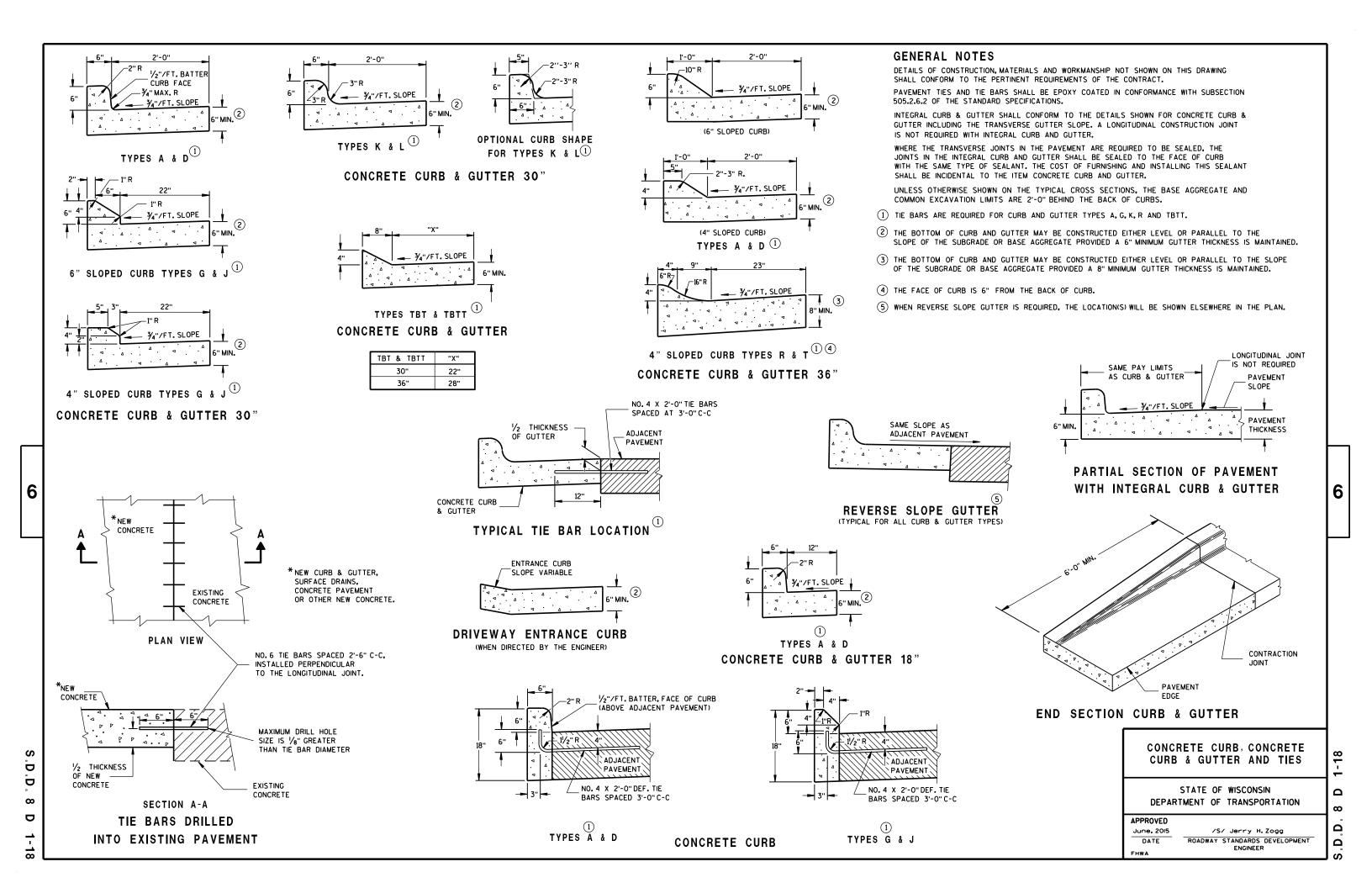
/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT

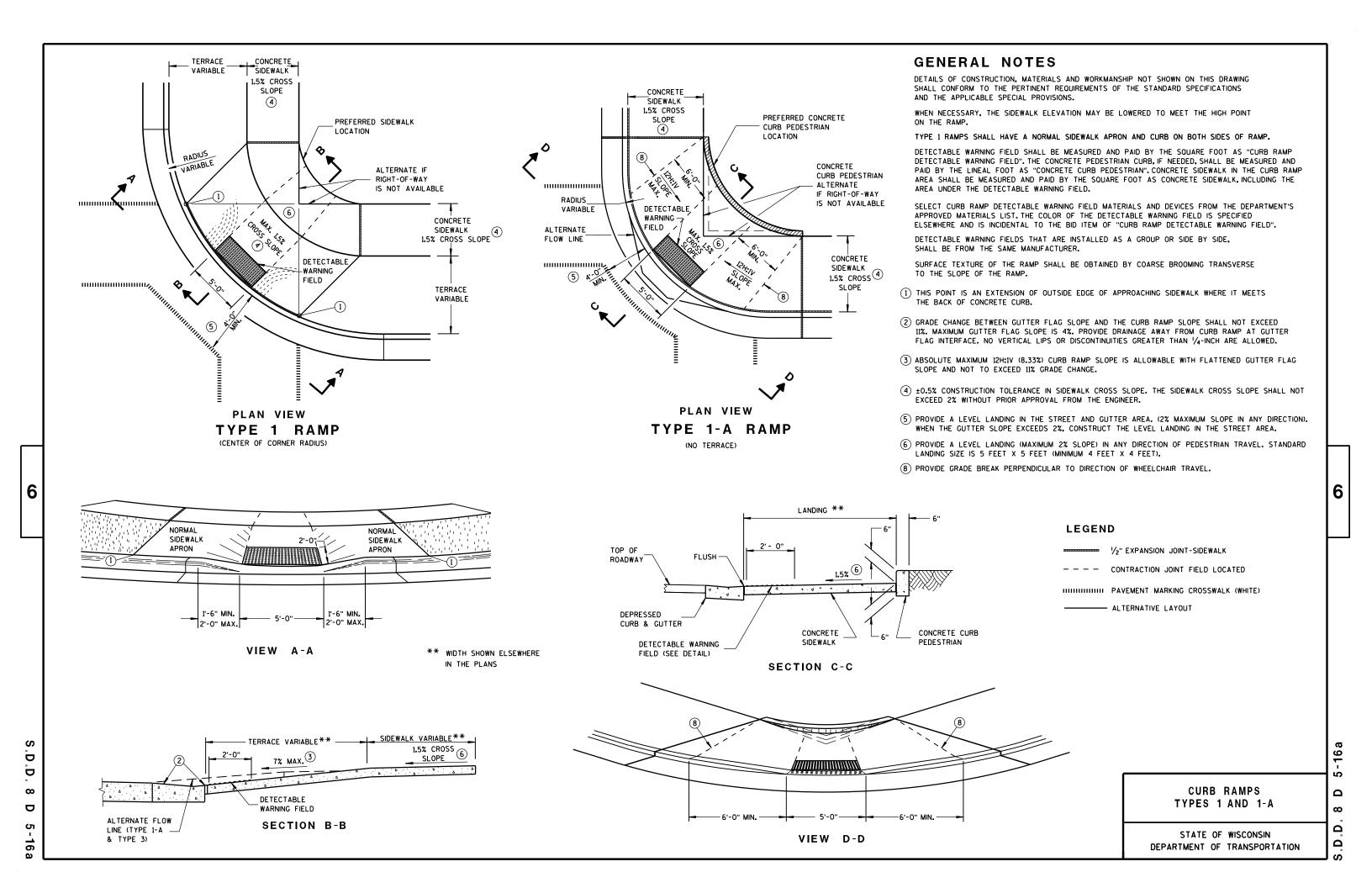
ENGINEER

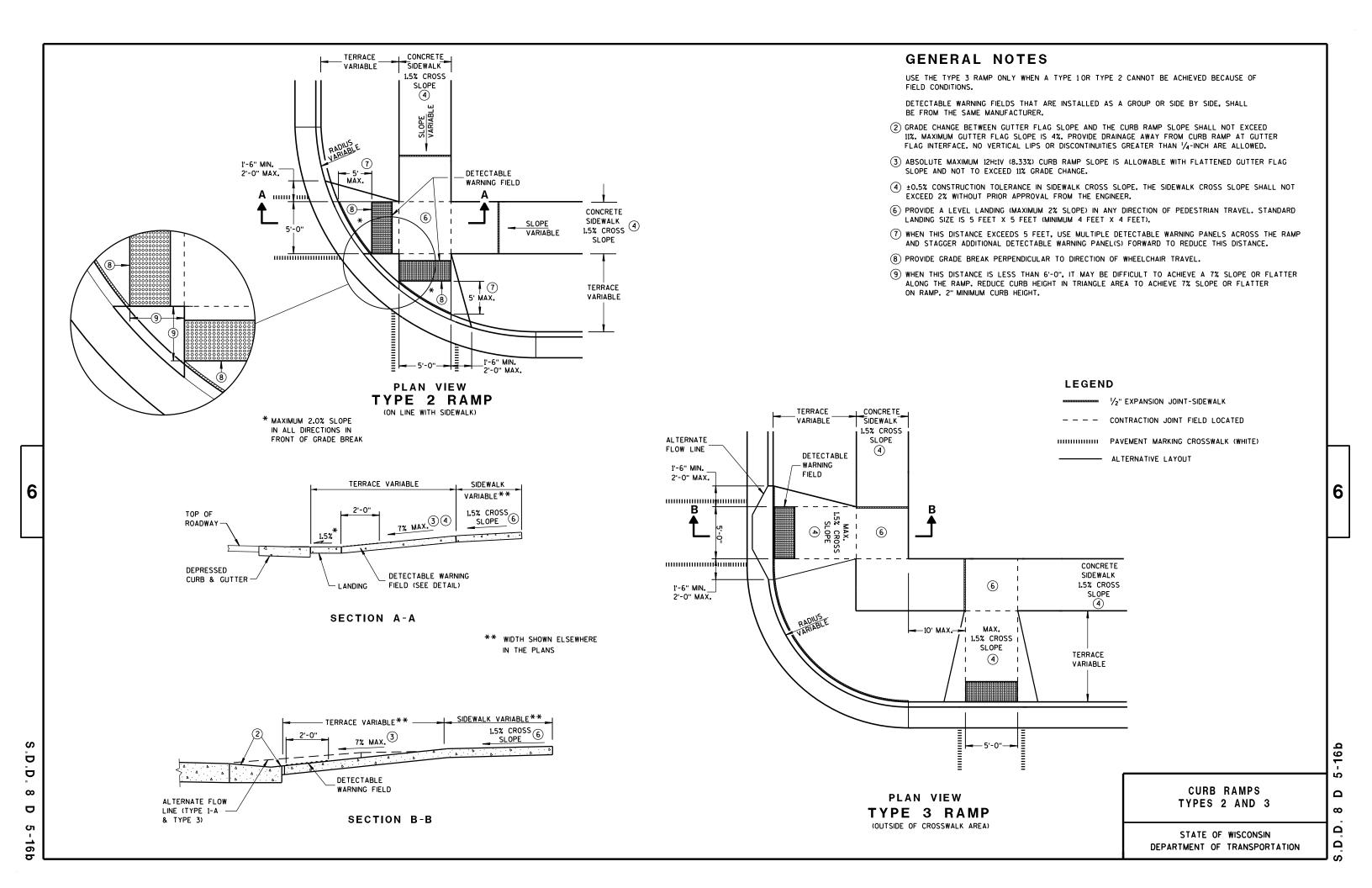
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

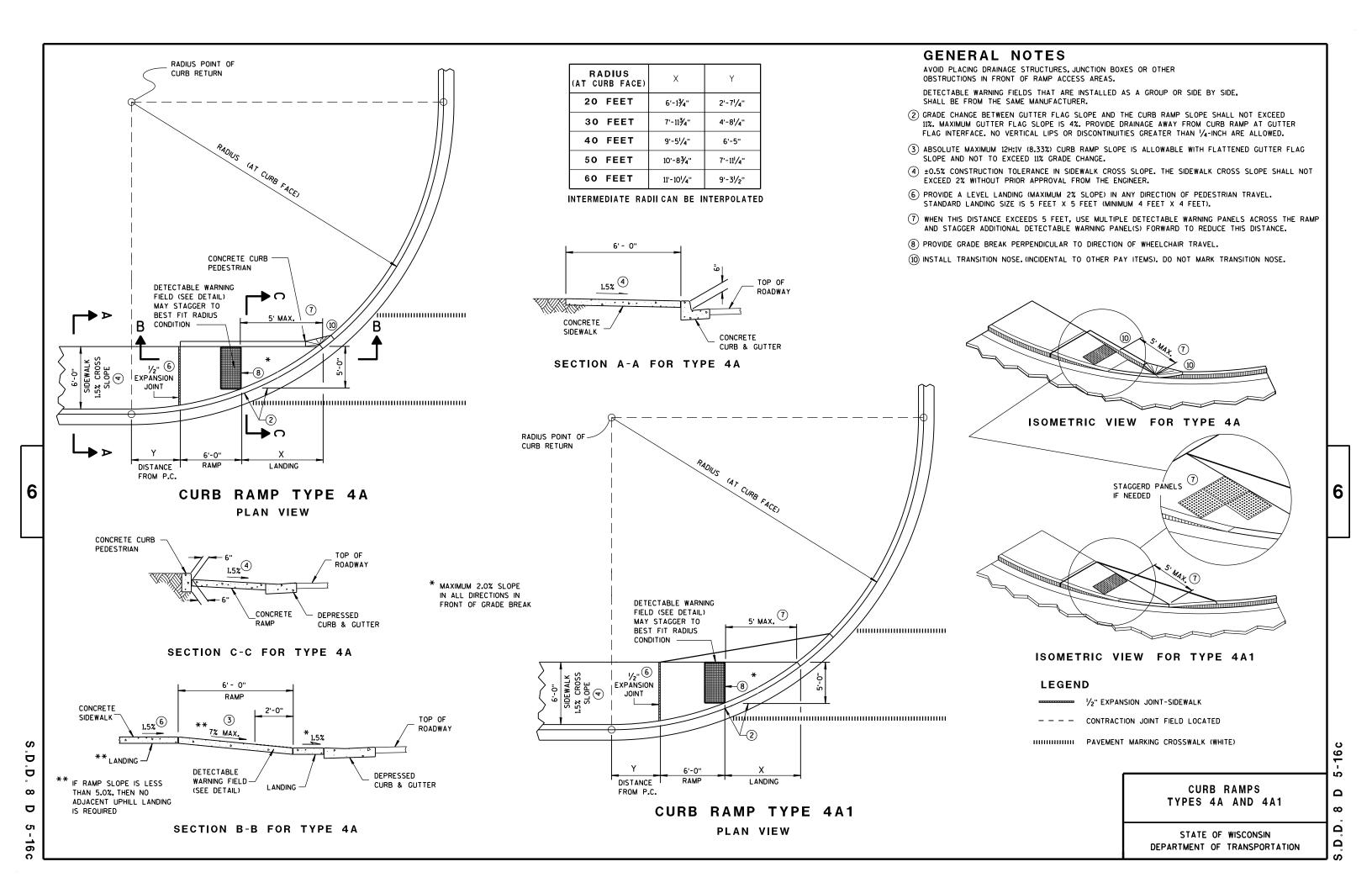
SEPARATE PRECAST REINFORCED

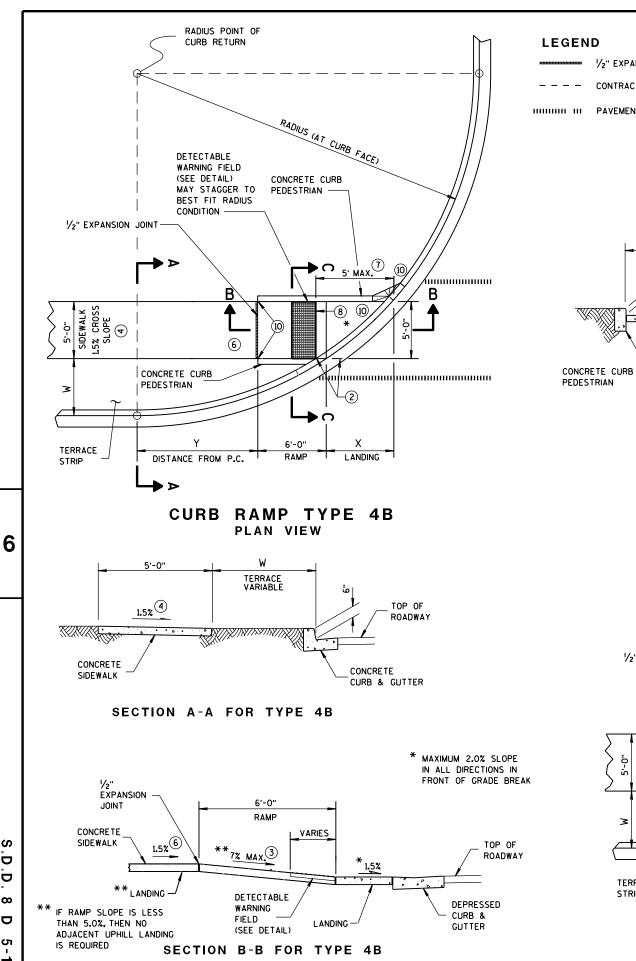
CONCRETE BASE OPTION











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16 d

W = 5' - 0" 7' - Ø" 3' - Ø" W = 4' - Ø" W = 6' - 0" RADIUS LEGEND AT CURB FACE ■ ½" EXPANSION JOINT-SIDEWALK 20 FEET 4'-81/2" 3'-7" 3'-11/2" 4'-61/2" 4'-1" 7'-23/4" 8'-31/2" 9'-21/2" 5'-51/2" 6'-0" CONTRACTION JOINT FIELD LOCATED 30 FEET 6'-51/2" 5'-91/4" 5'-21/2" 4'-8¾" 7'-31/4' 8'-11'/2" 10'-7" 12'-0" 13'-31/4" HIHHHH HI PAVEMENT MARKING CROSSWALK (WHITE) 40 FEET 8'-91/2" 9'-21/2" 11'-5'/4" 13'-41/2" 15'-3/4" 16'-71/4" 50 FEET 7'-61/2" 6'-11¾" 19'-6'/4" 11'-3/4" 15'-91/2"

10'-¾"

GENERAL NOTES

12'-8¾"

11'-2'/2"

60 FEET

TOP OF

ROADWAY

TERRACE STRIP

VARIES O TO W

CONCRETE

CURB & GUTTER

5'-0" RAMP

VARIES

0 TO 6"

1.5%

SECTION C-C FOR TYPE 4B

INTERMEDIATE RADII CAN BE INTERPOLATED

7'-101/2"

22'-11/2"

20'-1¾"

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS. DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

17'-113⁄4"

8'-5¾"

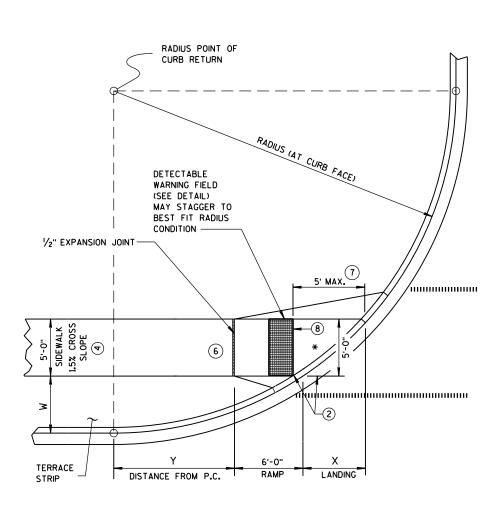
(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

9'-21/4"

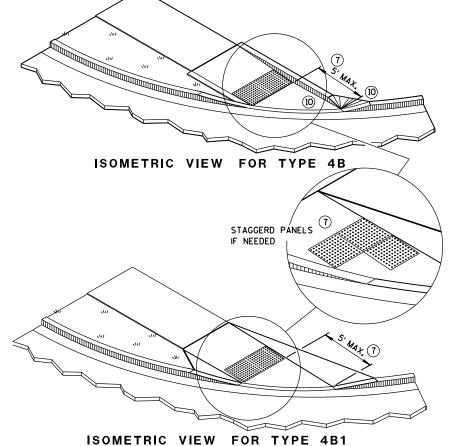
- (3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- 4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE, THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- 6 PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

15'-61/2"

- (7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.
- (8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- (I) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1 PLAN VIEW

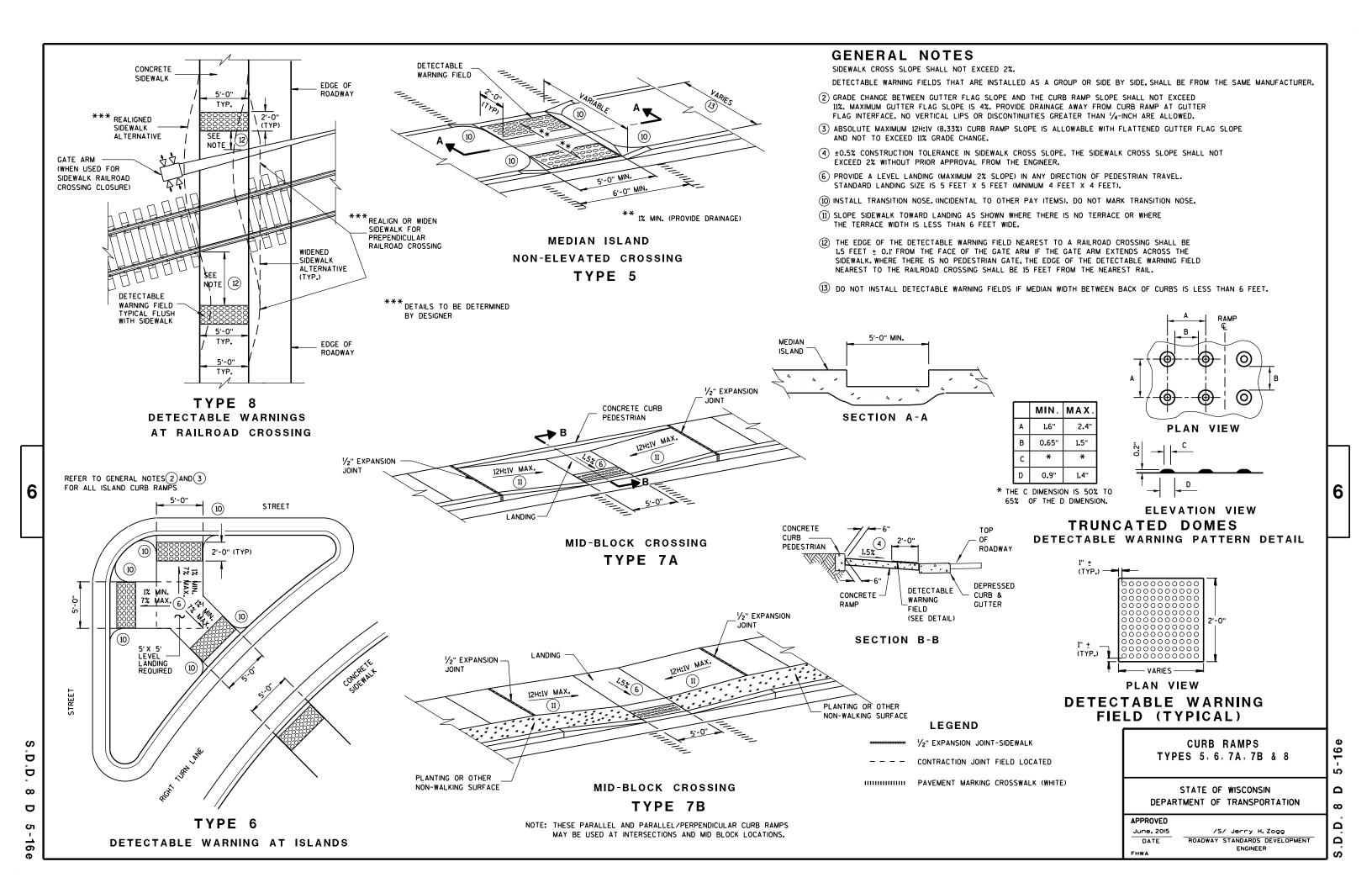


CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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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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INLET PROTECTION, TYPE A

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

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

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

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

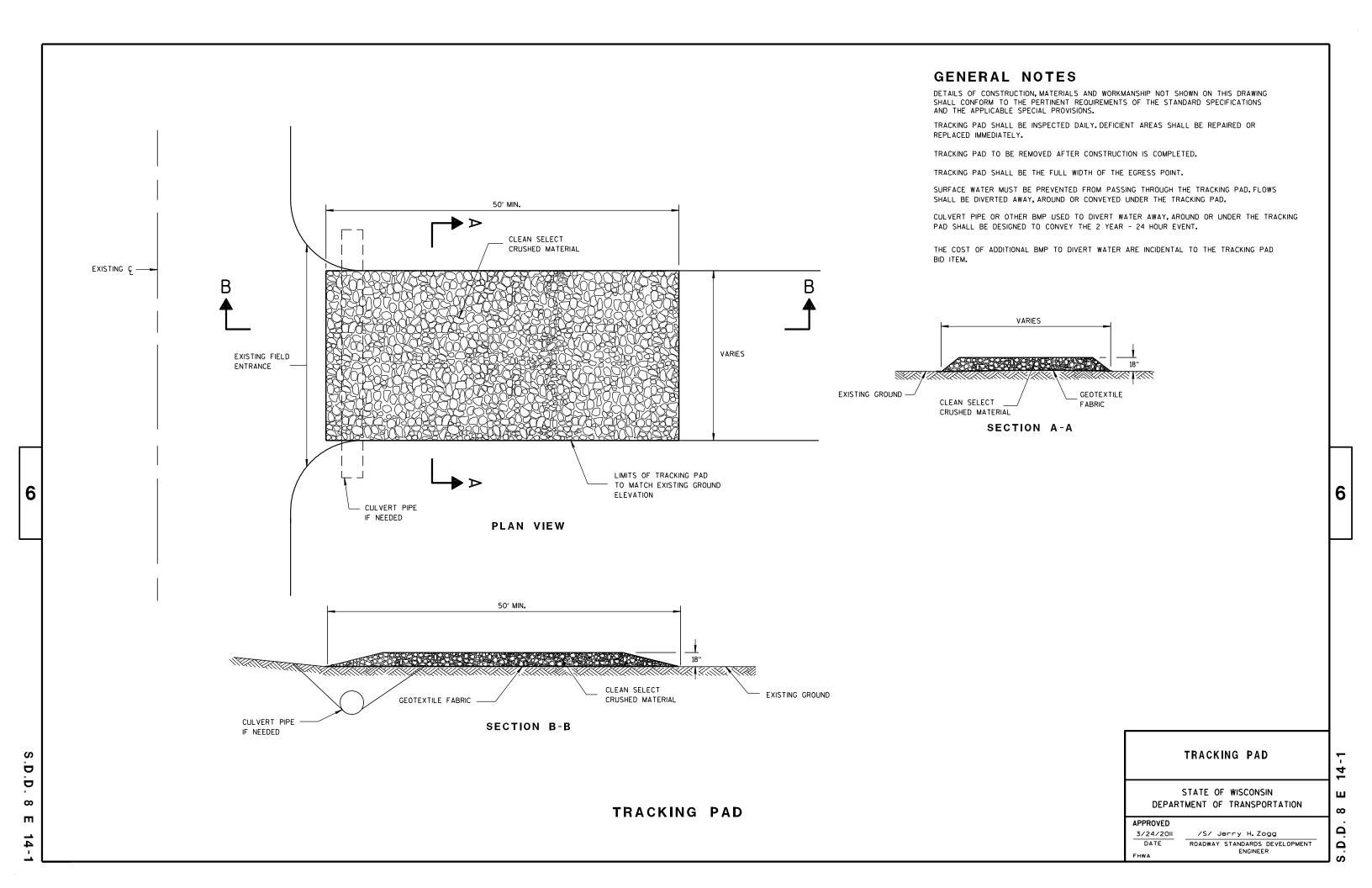
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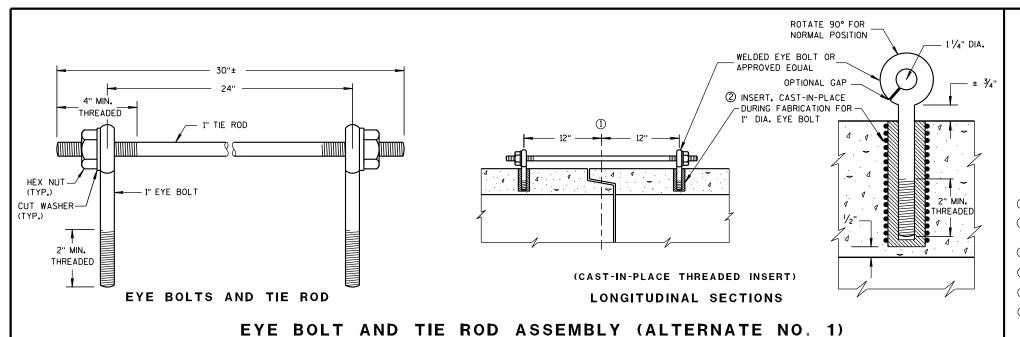
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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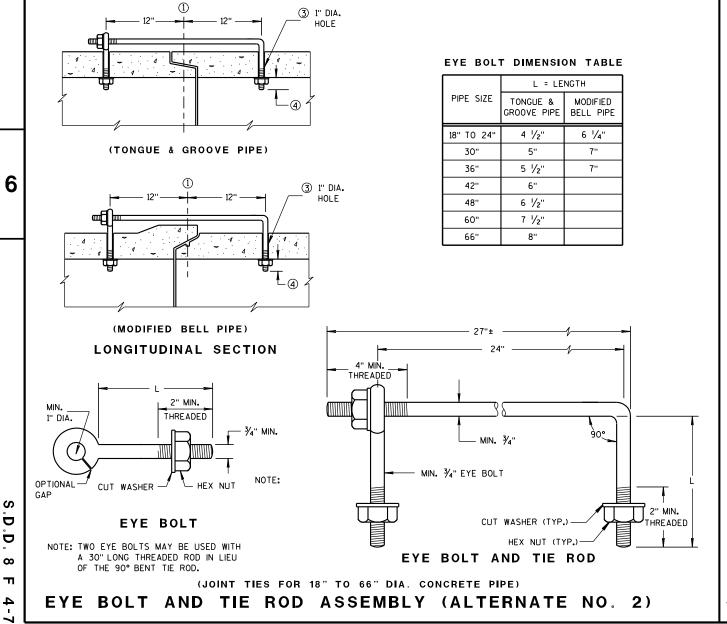
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

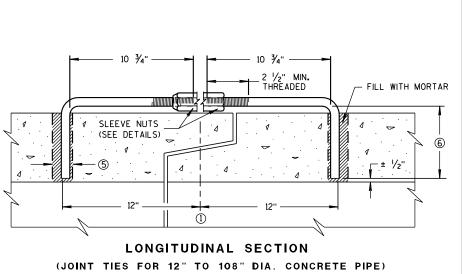
DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

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

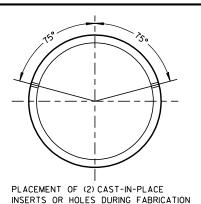
- (1) & OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE
- ${\mathfrak S}$ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ${\mathfrak L}$ OF TONGUE AND GROOVE.
- 4 BOLT PROJECTION INSIDE OF PIPE SHALL NOT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



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

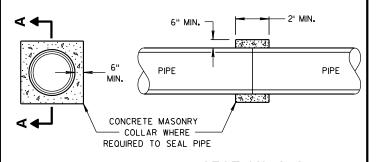


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

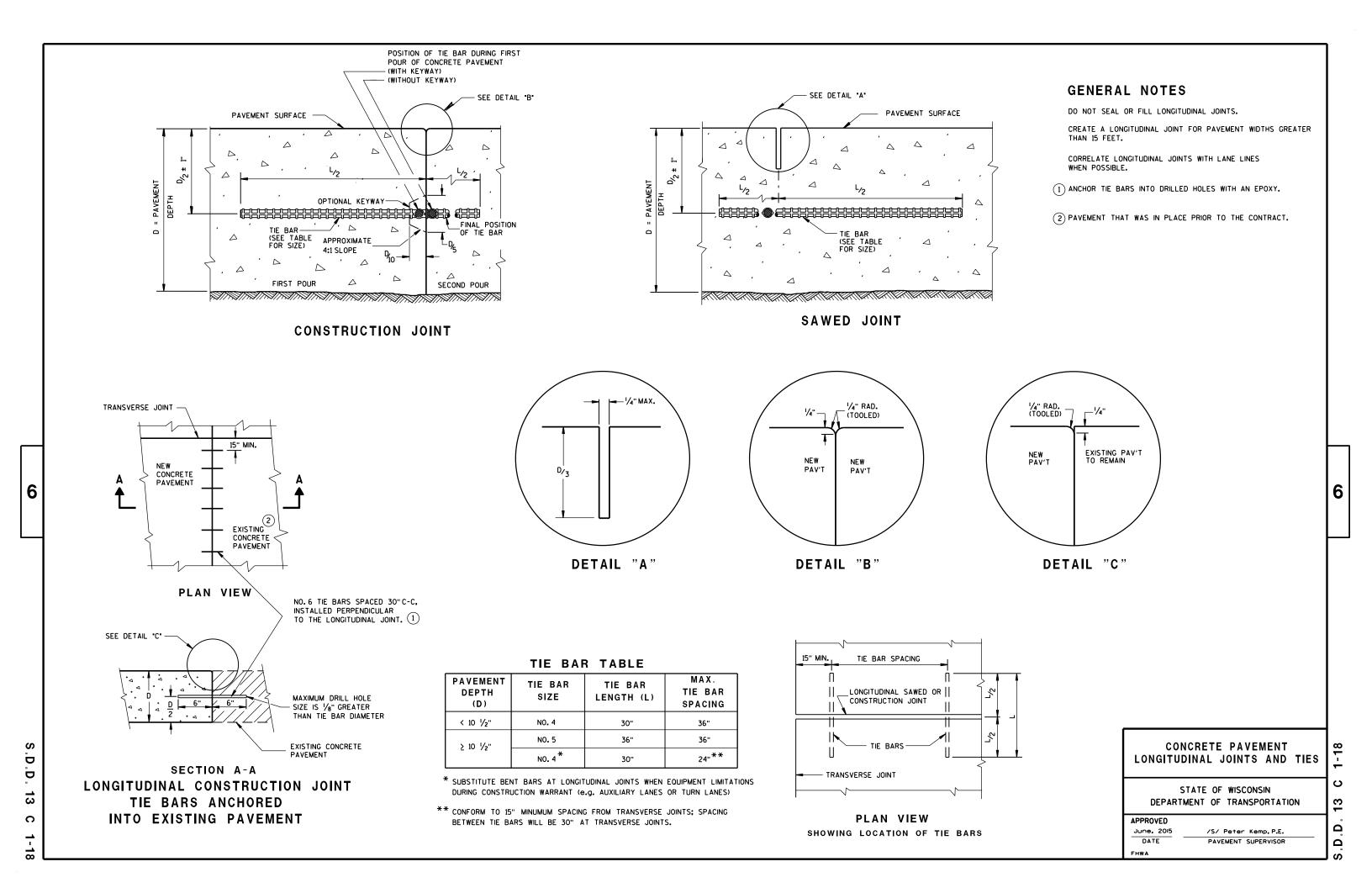
CONCRETE COLLAR DETAIL

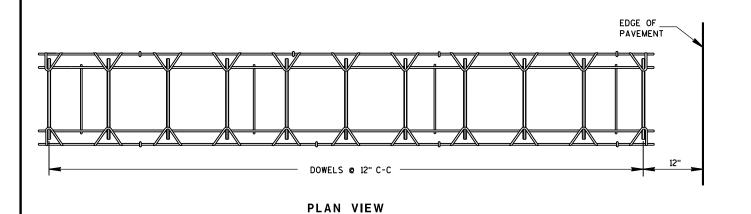
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

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PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING		
5 1/2", 6",6 1/2"	NONE	12'		
7",7 1/2"	1"	14'		
8"•8 1/2"	1 1/4"	15'		
9",9 1/2"	1 1/4"	15'		
10" & ABOVE	1 1/2"	15'		

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

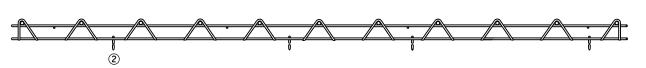
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE

CONSTRUCTION JOINTS

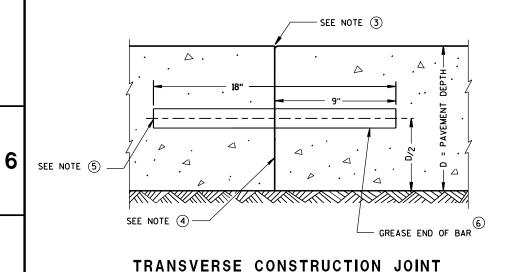
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

- (1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.
- 2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.
- (3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.
- 4 PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.
- 5 INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO DRILLED DOWEL BAR CONSTRUCTION JOINT DETAIL.
- 6 APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
- (7) ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER. 9 INCHES IN LENGTH.



SIDE VIEW CONTRACTION JOINT DOWEL ASSEMBLY

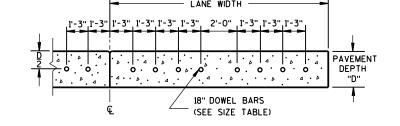
SEE JOINT DETAIL



△ DOWEL BARS © 12" C-C 12" FROM PAVEMENT EDGE-

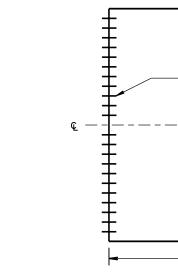
DOWELED CONTRACTION JOINT

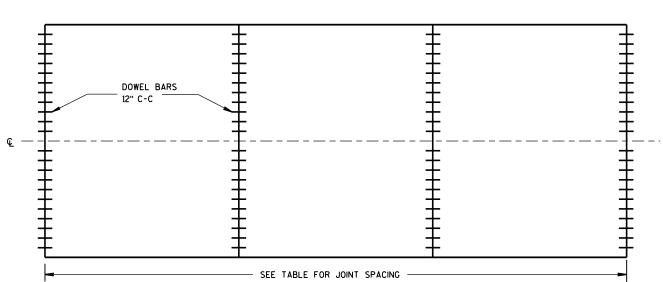
(SEE SIZE TABLE)



(FOR 11' LANE WIDTH REDUCE CENTER SPACE TO 1'-O")

DRILLED DOWEL BAR CONSTRUCTION JOINT $^{\scriptsize \bigcirc}$





CONTRACTION JOINT LOCATIONS

URBAN DOWELED CONCRETE PAVEMENT

- ¼" MAX.

JOINT DETAIL

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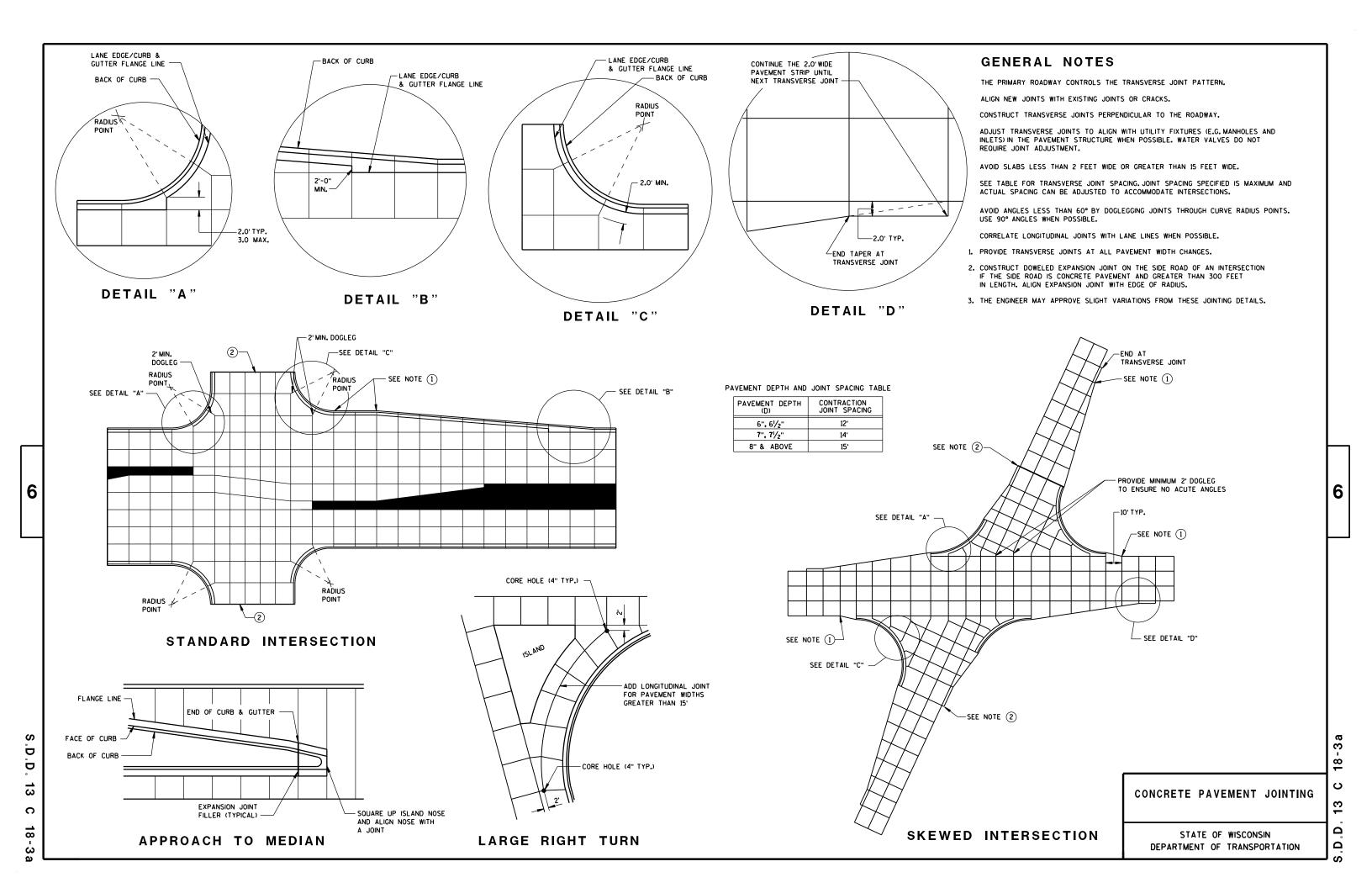
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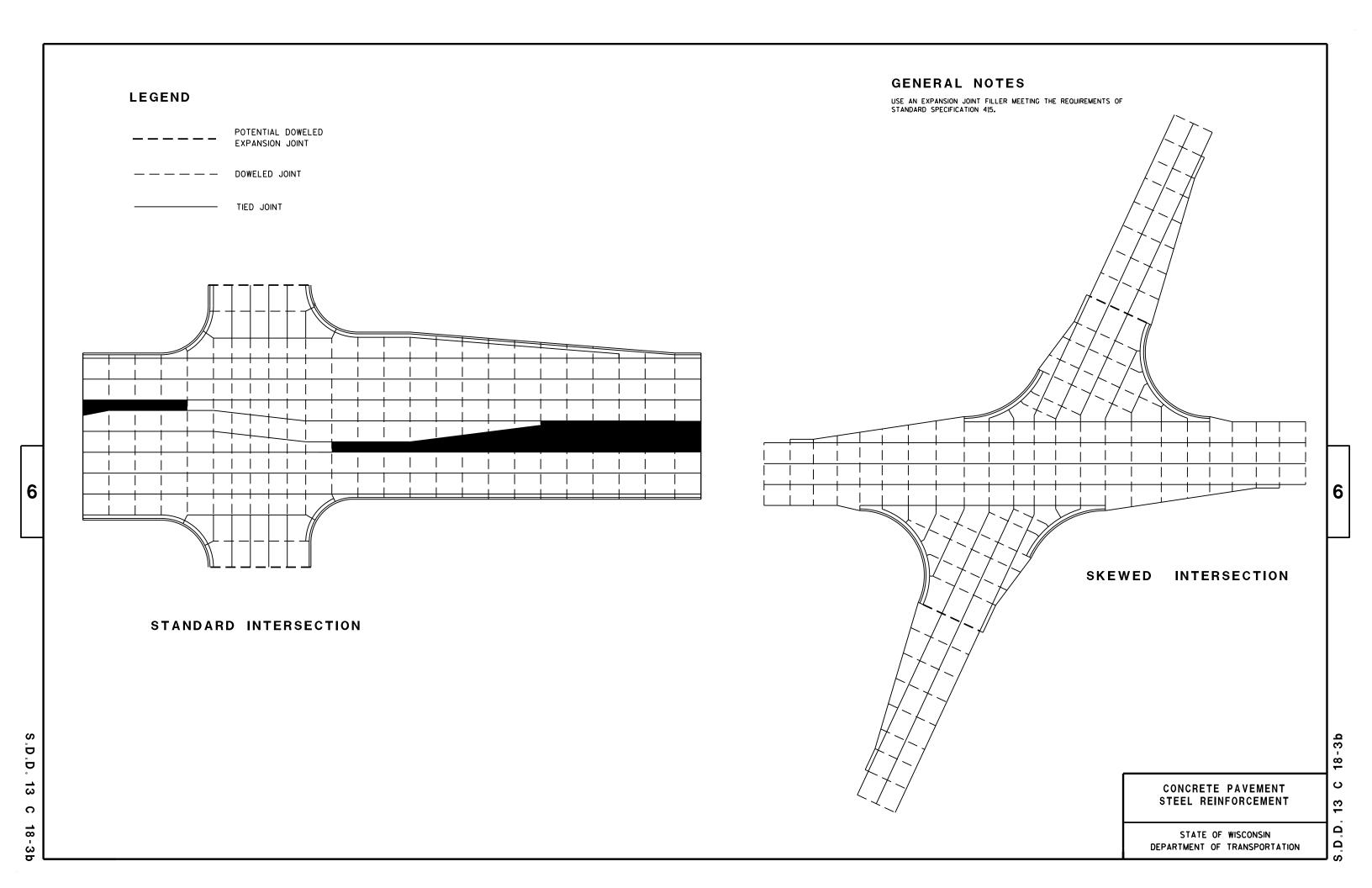
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

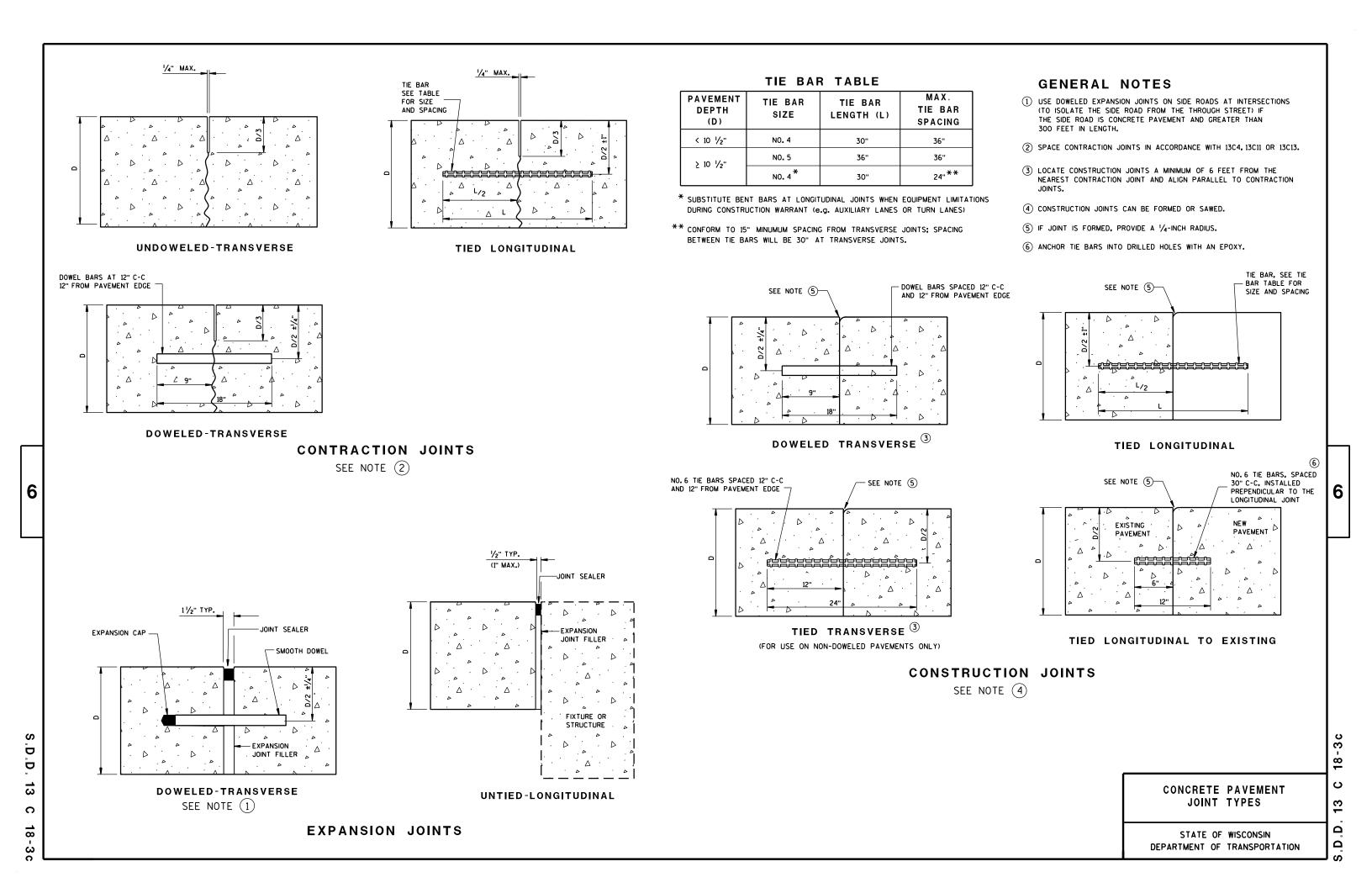
APPROVED /S/ Deb Bischoff 5/3/2013 PAVEMENT POLICY & DESIGN ENGINEER FHWA

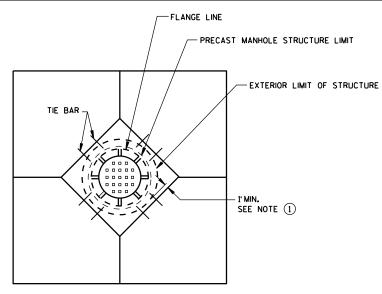
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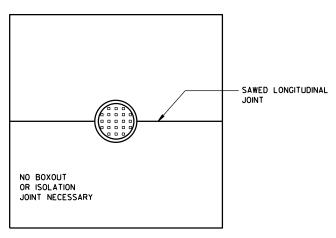




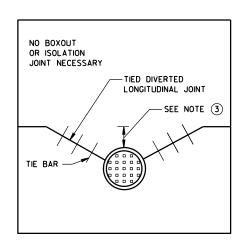




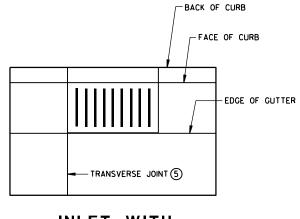
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



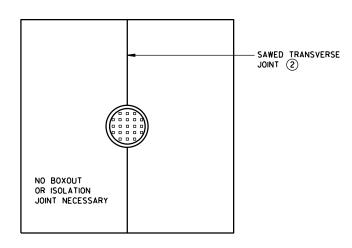
MANHOLE WITH LONGITUDINAL JOINT



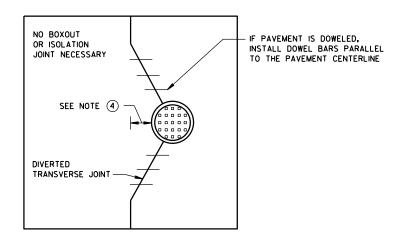
MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



INLET WITH TRANSVERSE JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

- 1 USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
- 2 ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
- (3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS. DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.
- (4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS. REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.
- (5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED DATE

/S/ Peter Kemp, P.E. PAVEMENT SUPERVISOR FHWA

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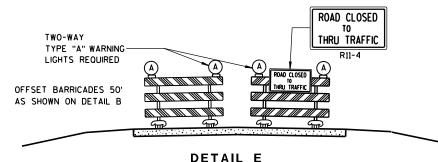
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BRIDGE ROAD 1)TWO-WAY **CLOSED** TYPE "A" WARNING LIGHTS REQUIRED OUTSIDE EDGE OF SHOULDER OUTSIDE EDGE OF SHOULDER OR FACE OF CURB OR FACE OF CURB **DETAIL D**

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)

M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

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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:
RI1-2 SHALL BE 48" X 30".
RI1-4 AND RI1-3 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)

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WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013 /S/ Travis Feltes

DATE STATE TRAFFIC ENGINEER OF DESIGN

S.D.D. 15 C 3-2

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

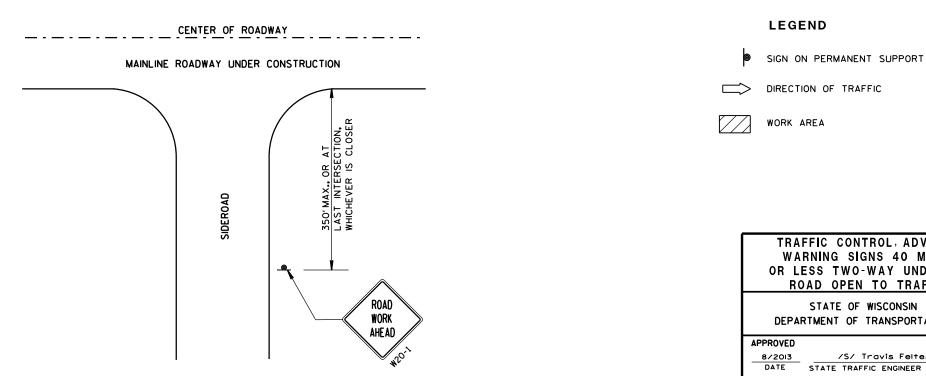
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

* 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.



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

DEPARTMENT OF TRANSPORTATION

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

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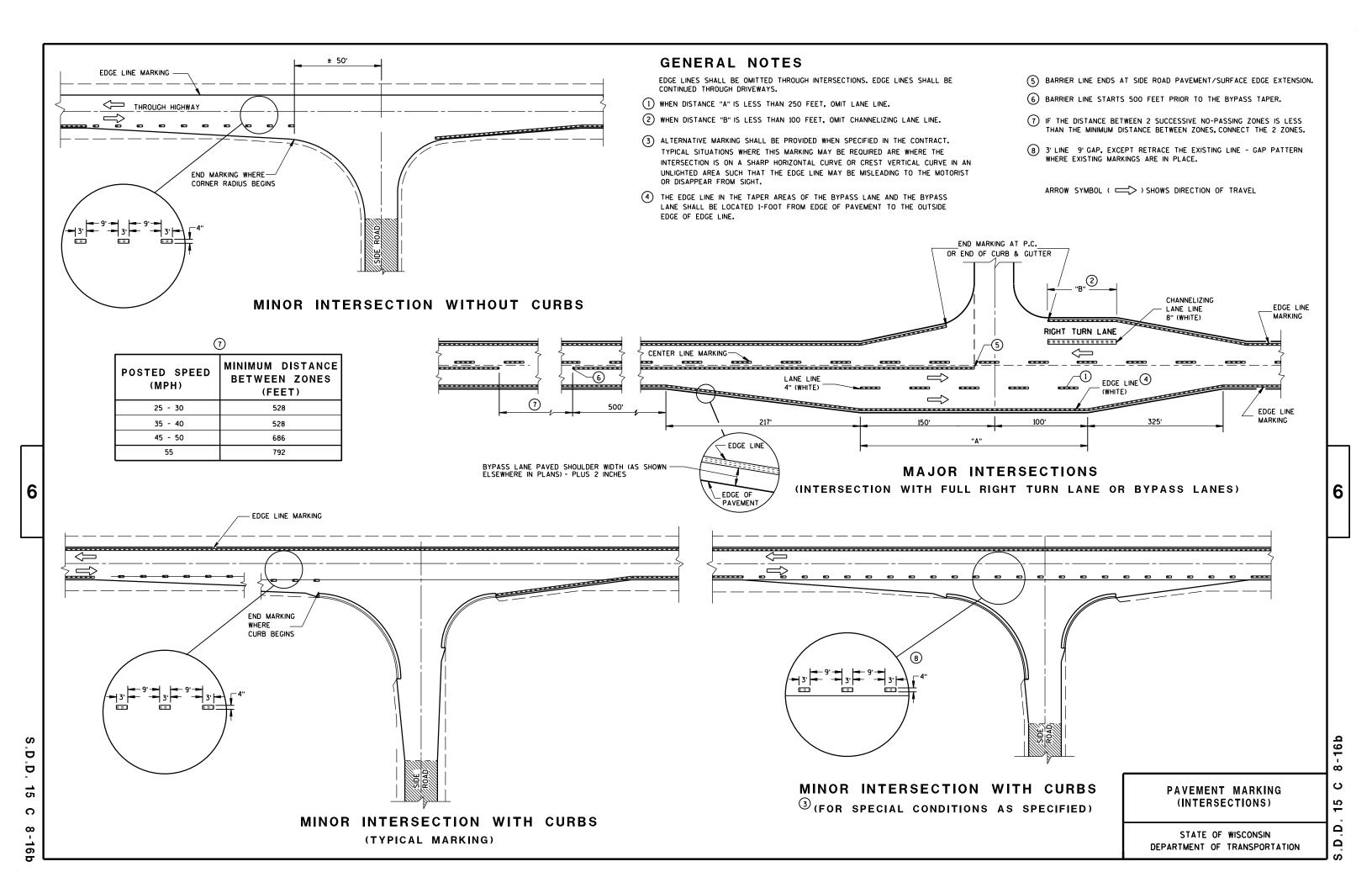
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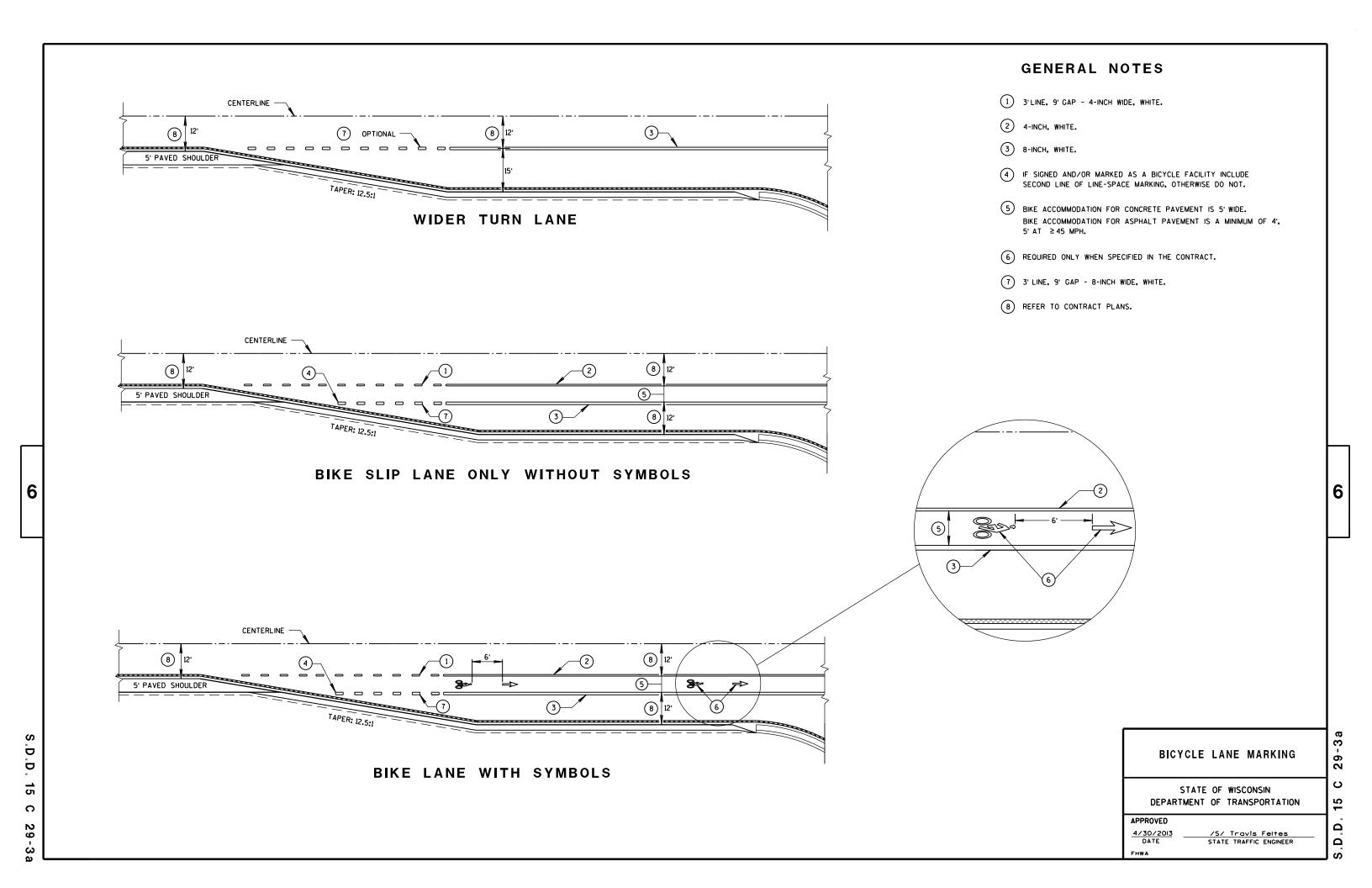
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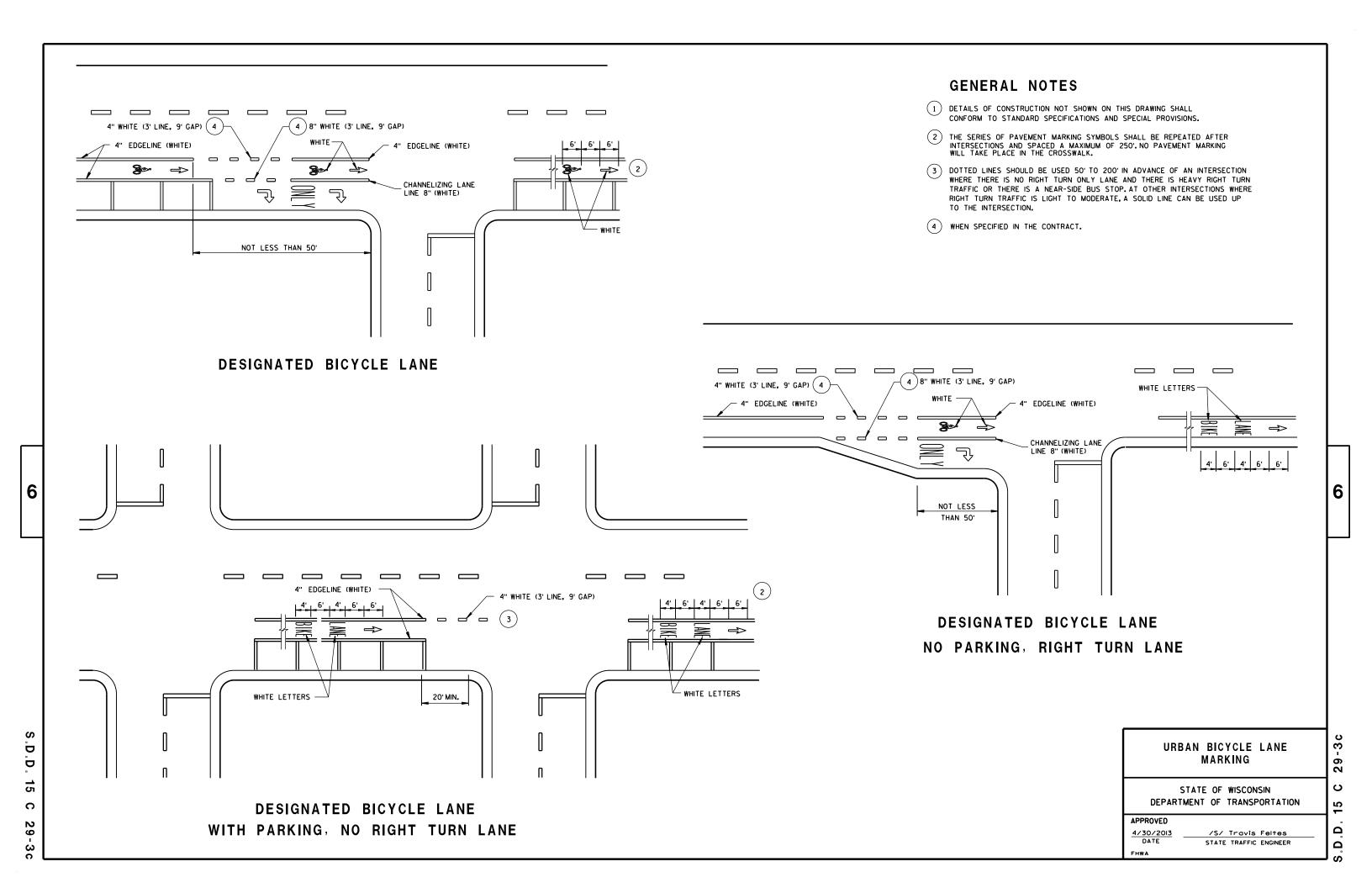


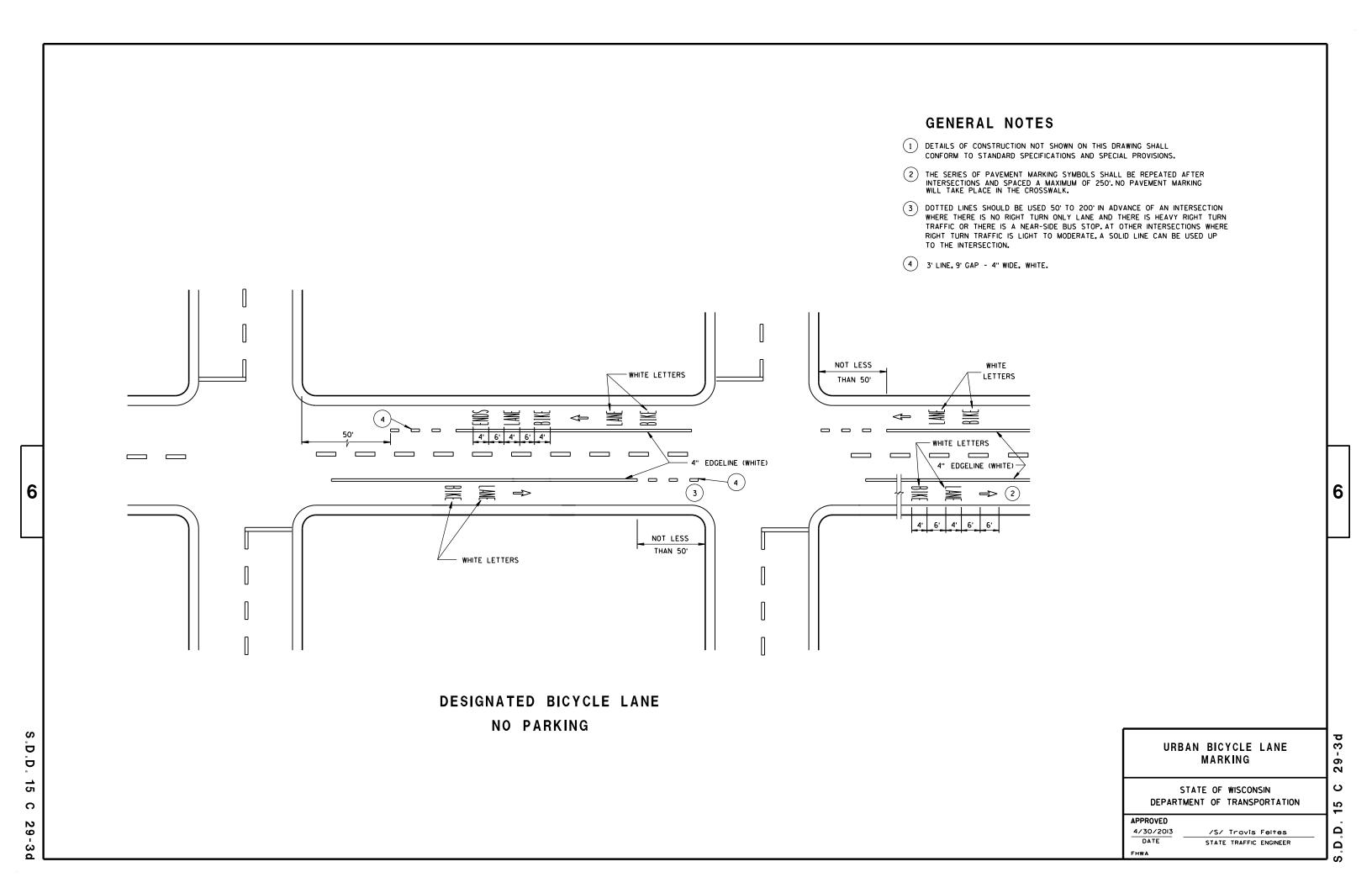






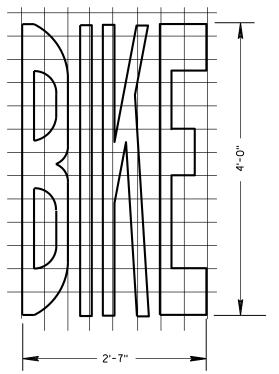
GENERAL NOTES 5 5' TYPICAL. 1 3'LINE, 9' GAP - 4-INCH WIDE, WHITE. 2 4-INCH, WHITE. 6) REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT. 3 8-INCH, WHITE. 7) 3' LINE, 9' GAP - 8-INCH WIDE, WHITE. 4) IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE (8) REFER TO CONTRACT PLANS. SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT. STOP BAR IF APPLICABLE TAPER: 12.5:1 6 6 BIKE LANE - 4-LANE DIVIDED WITH RIGHT TURN LANE D BICYCLE LANE MARKING Ď 15 STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION C 4 LANE DIVIDED WITH ISLAND 4 LANE DIVIDED WITHOUT ISLAND APPROVED Ω 4/30/2013 DATE /S/ Travis Feltes STATE TRAFFIC ENGINEER ۵ FHWA





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

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



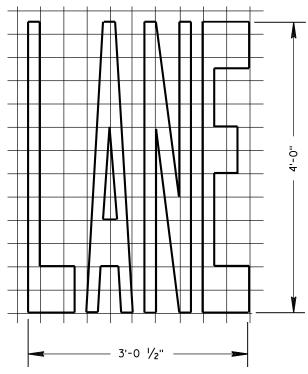
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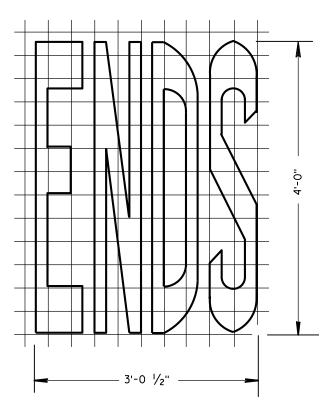
D.D

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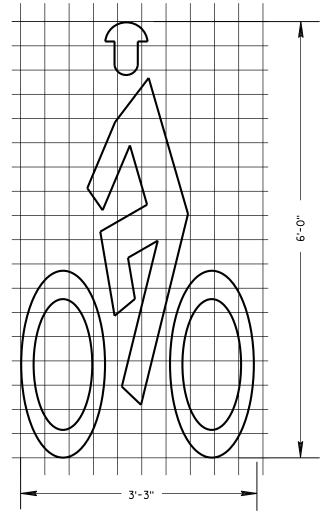
C

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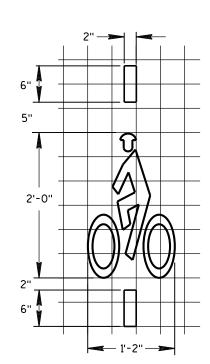




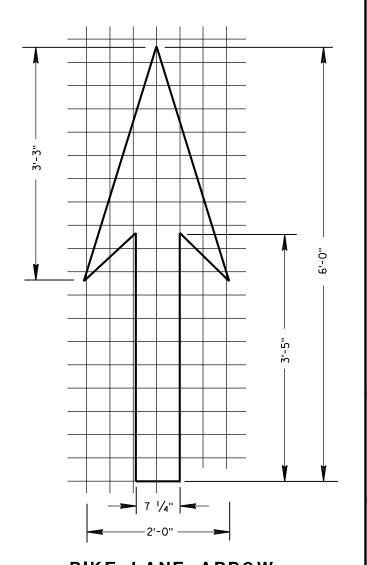
BIKE LANE WORDS



BIKE LANE SYMBOL



BICYCLE DETECTOR PAVEMENT MARKING



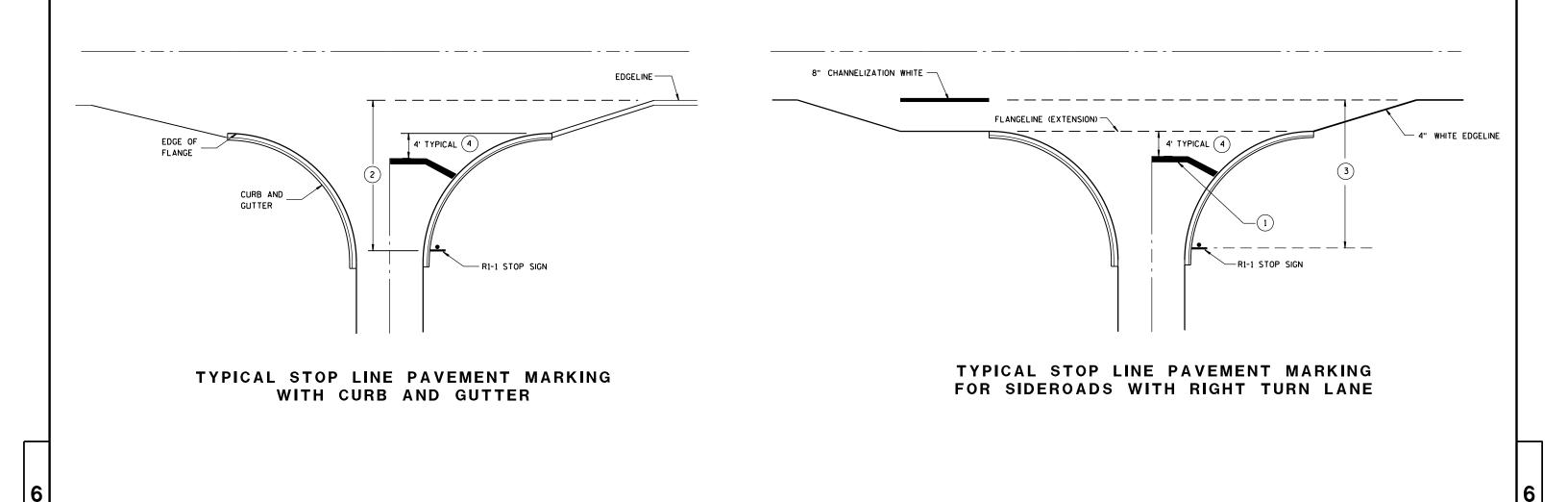
BIKE LANE ARROW

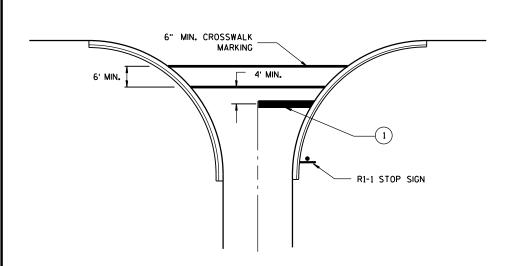
PAVEMENT	MARKING	FOR	
BIKE	LANES		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

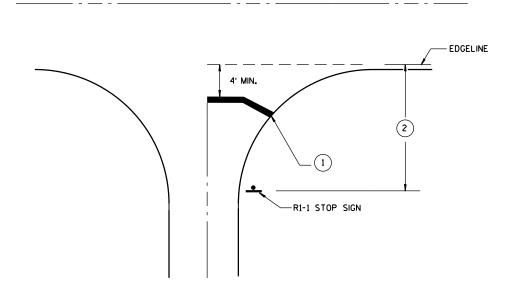
APPROVED	
4-30-2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER

S.D.D. 15 C 2





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.

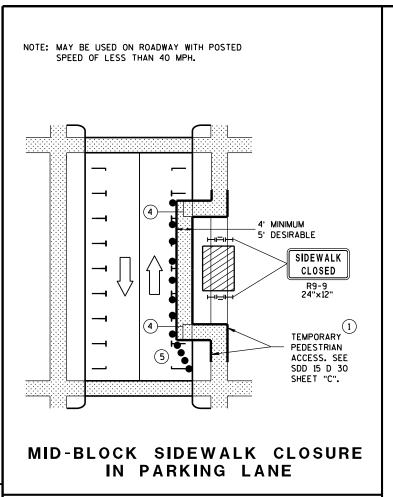
STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
4/30/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER
FHWA	

.D.D. 15 C 33-1

S.D.D.



NOTE: LAYOUT SAME AS ABOVE. 4' MINIMUM 5' DESIRABLE SIDEWALK CLOSED RQ-Q TEMPORARY PEDESTRIAN ACCESS. SEE SDD 15 D 30 SHEET "C". SIDEWALK DIVERSION

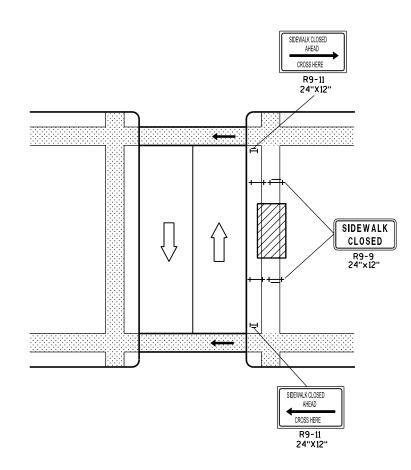
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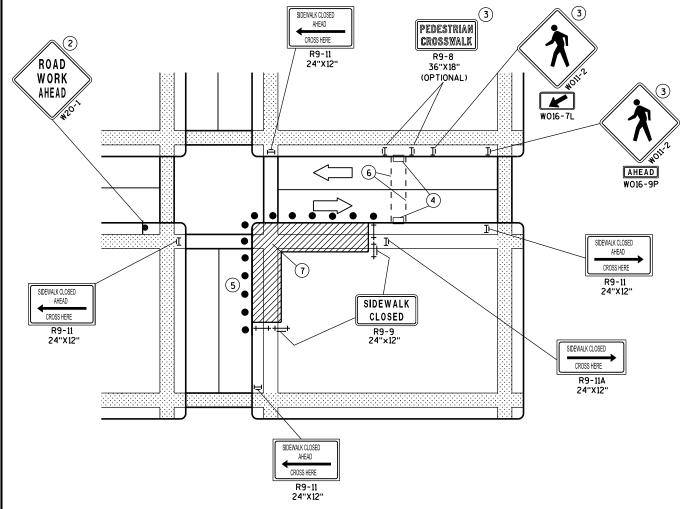
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MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

- 1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.
- 2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
- (3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
- (4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".
- (5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- (6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
- (7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN

LEGEND

SIGN ON PERMANENT SUPPORT

UNDER PEDESTRIAN TRAFFIC

TRAFFIC TRAFFIC CONTOL DRUM

DIRECTION OF

WORK AREA

PEDESTRIAN CHANNELIZATION DEVICE

TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A. LOW-INTENSITY FLASHING)

TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION S 0 က Ω Ω

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PARALLEL TO CURB

TEMPORARY BUS STOP PAD

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GENERAL NOTES

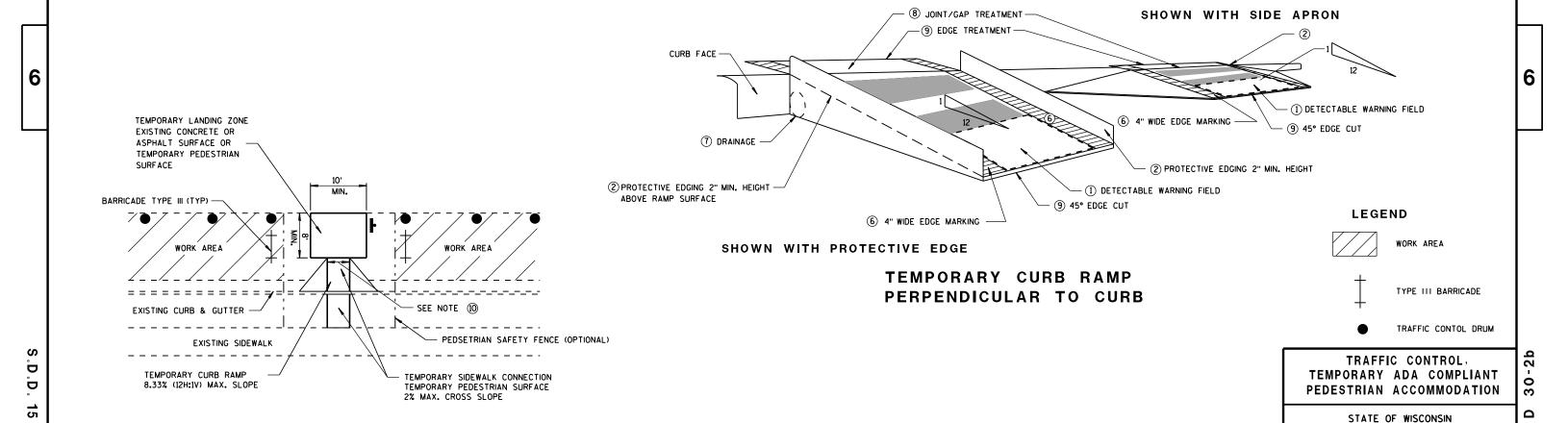
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION. ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

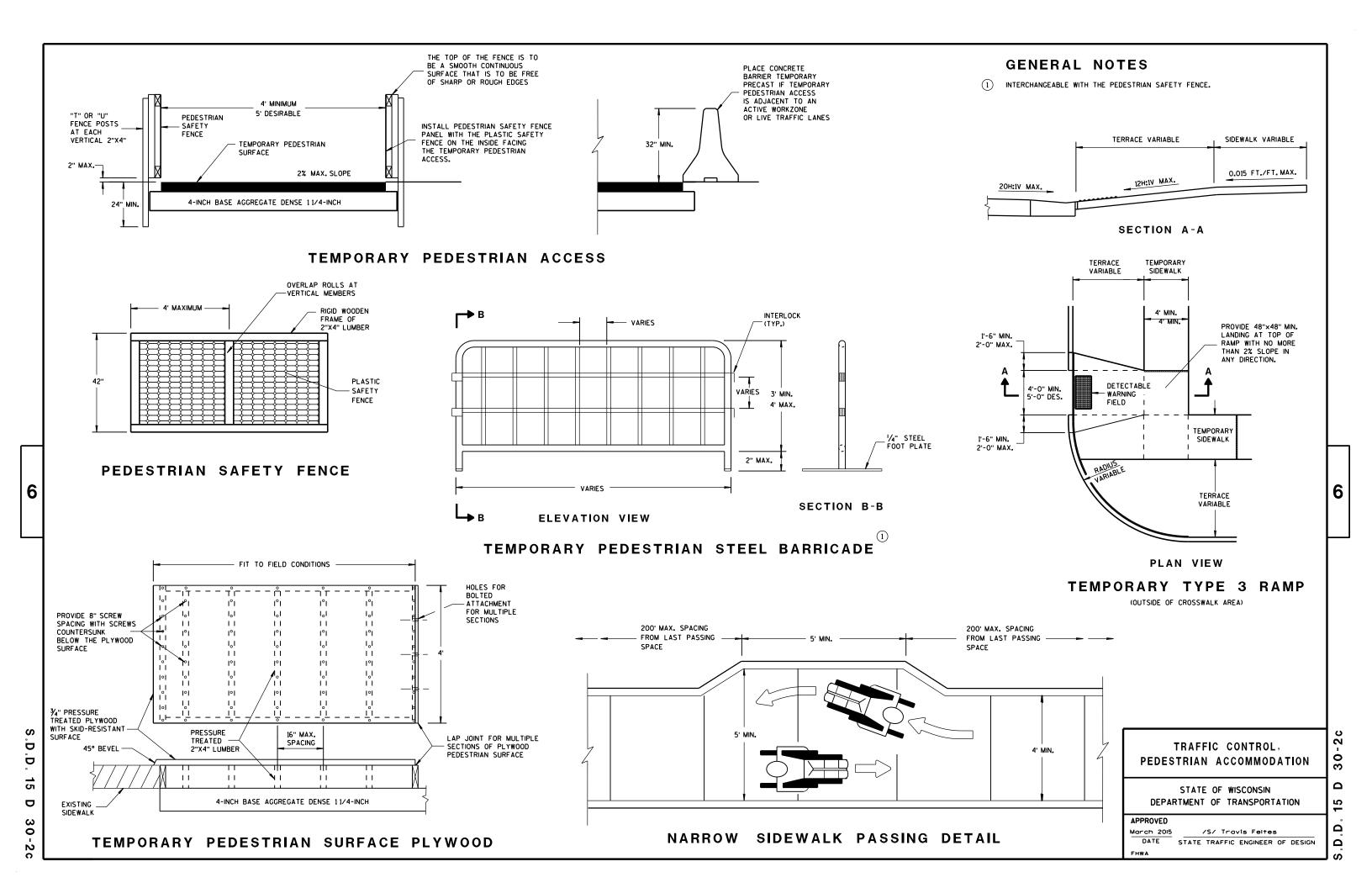
- ① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".
- (2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
- 3 DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- (4) CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
- 5 CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- (6) THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
- 7 DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- (8) LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
- (9) CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".
- 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.

DEPARTMENT OF TRANSPORTATION

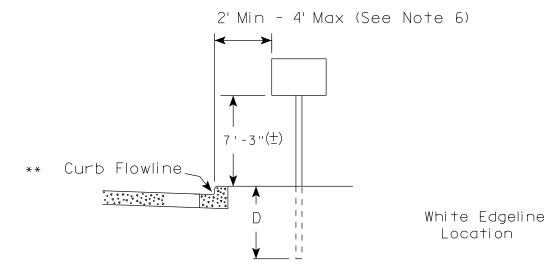
 $\frac{\text{March 2015}}{\text{DATE}} \quad \frac{\text{/S/ Trav1s Feltes}}{\text{STATE TRAFFIC ENGINEER OF DESIGN}}$

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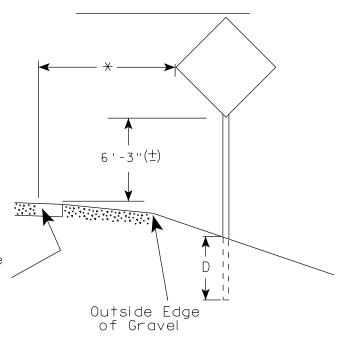




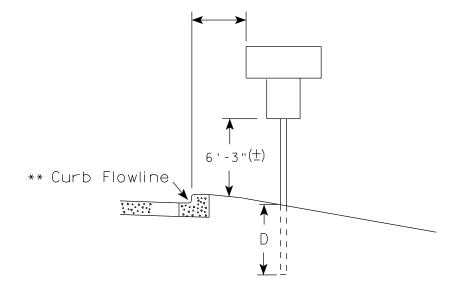
URBAN ARFA



RURAL AREA (See Note 2)



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



5'-3"(士) D^{-1} Outside Edae of Gravel

White Edgeline Location

POST EMBEDMENT DEPTH

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

** 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.

HWY:

* 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.

PLOT BY: mscsja

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ 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).

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 11/12/14

PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43.DGN COUNTY:

PLOT DATE: 12-NOV-2014 14:03

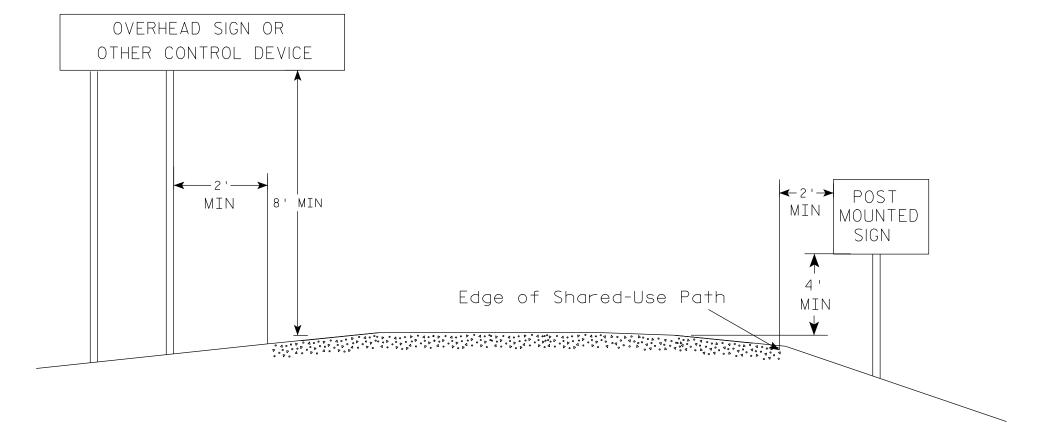
PLOT NAME :

WISDOT/CADDS SHEET 42

PLOT SCALE: 99.237937:1.000000

GENERAL NOTES

- 1. Signs wider than 4 feet or larger than 20 sq.ft. shall be mounted on multiple posts. Refer to plate A4-4.
- 2. Offset distance shall be consistent with existing signs or consistent throughout length of project.



POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON MULTI USE PATHS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

DATE 3/5/2012

PLATE NO. <u>A4-3S.1</u>

PROJECT NO: FILE NAME : c:\CAEFiles\Projects\tr_stdplate\A43S.DGN HWY:

COUNTY:

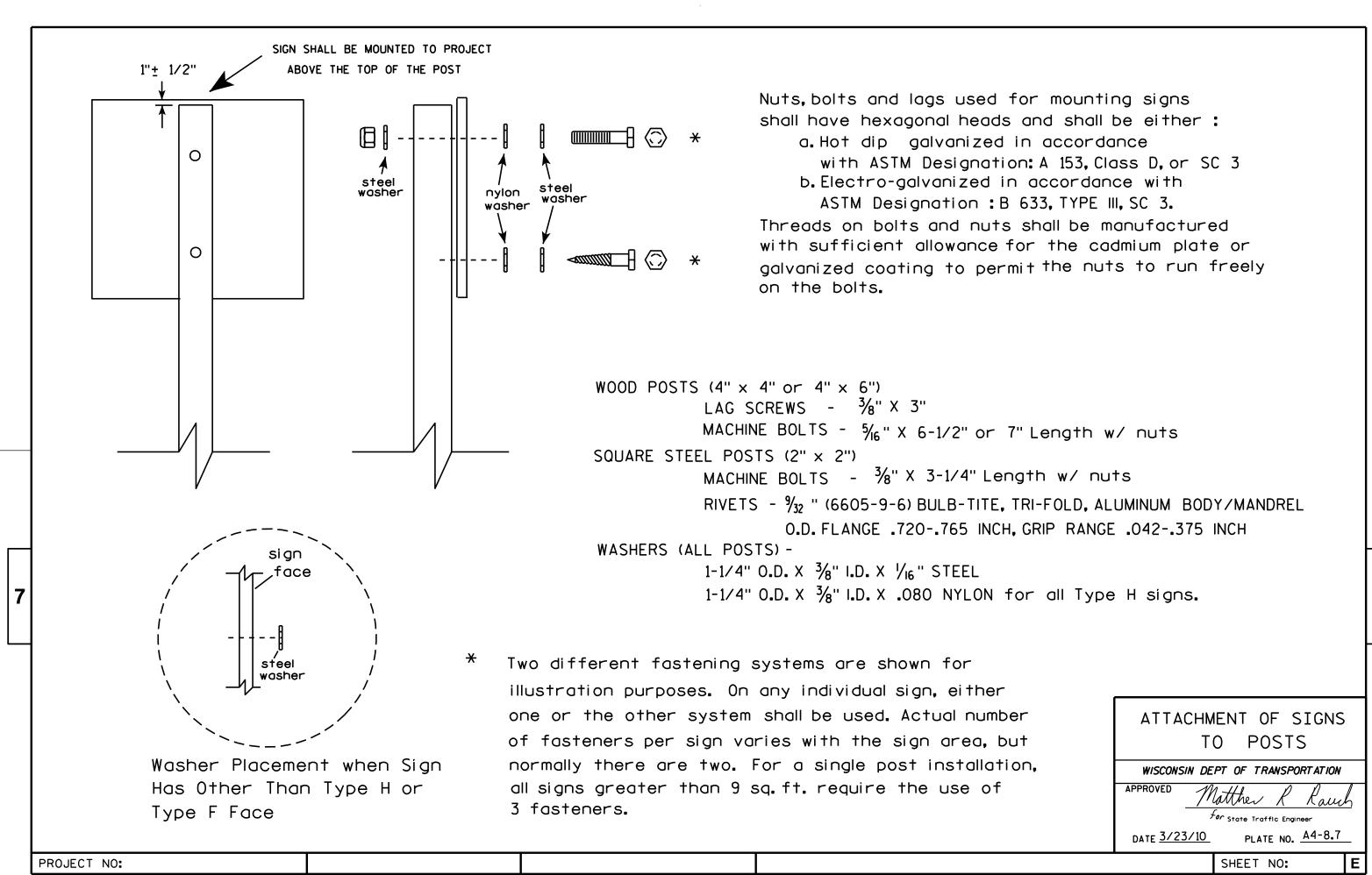
PLOT BY: mscj9h

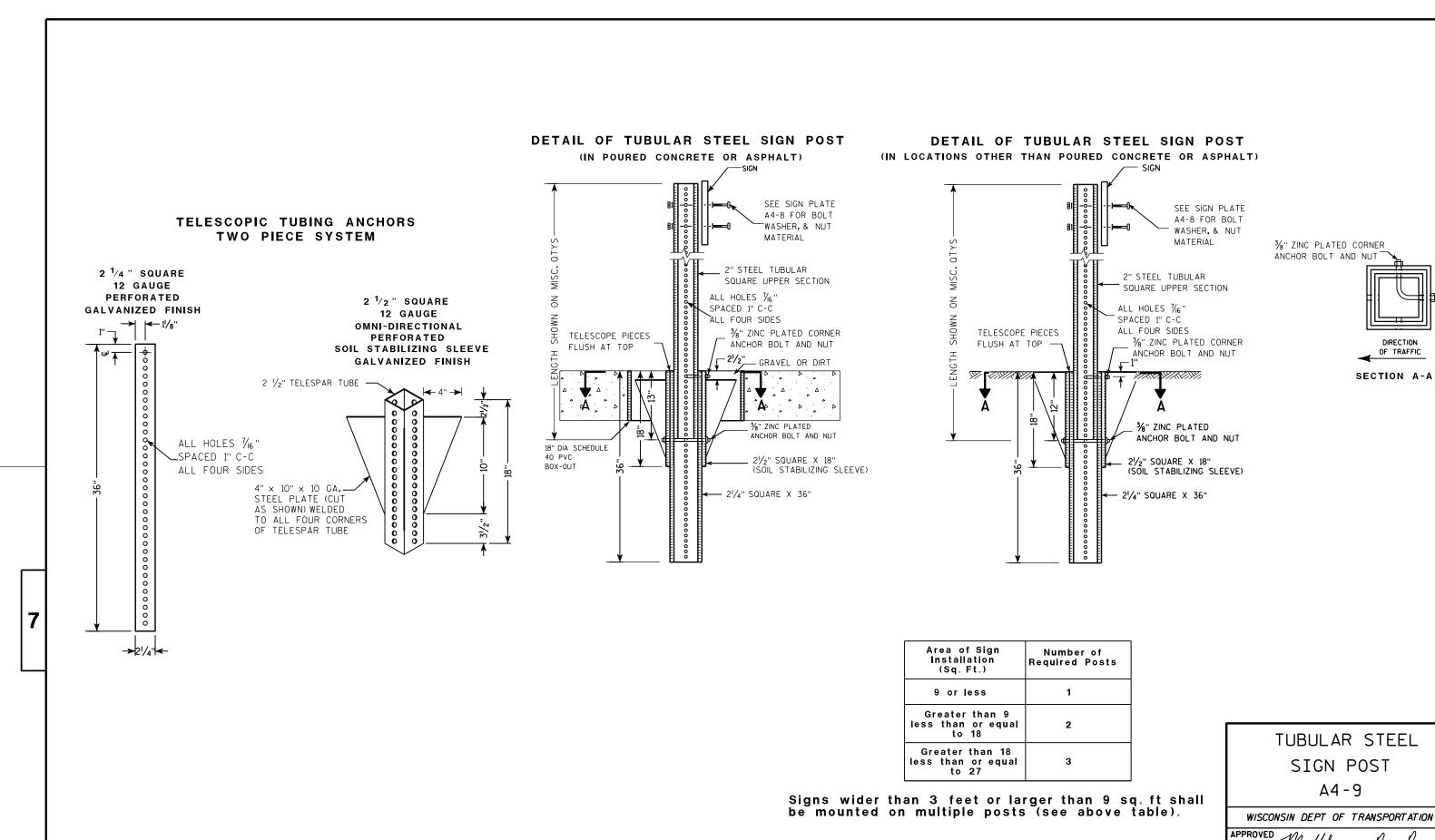
PLOT DATE: 05-MAR-2012 13:42

PLOT NAME :

PLOT SCALE: 101.303739:1.000000

SHEET NO: WISDOT/CADDS SHEET 42





PROJECT NO: SHEET NO: E

FILE NAME: C:\CAEFiles\Projects\tr_stdplate\A49.DGN

PLOT DATE: 05-FEB-2015 17:09

PLOT DATE: 05-FEB-2015 17:09

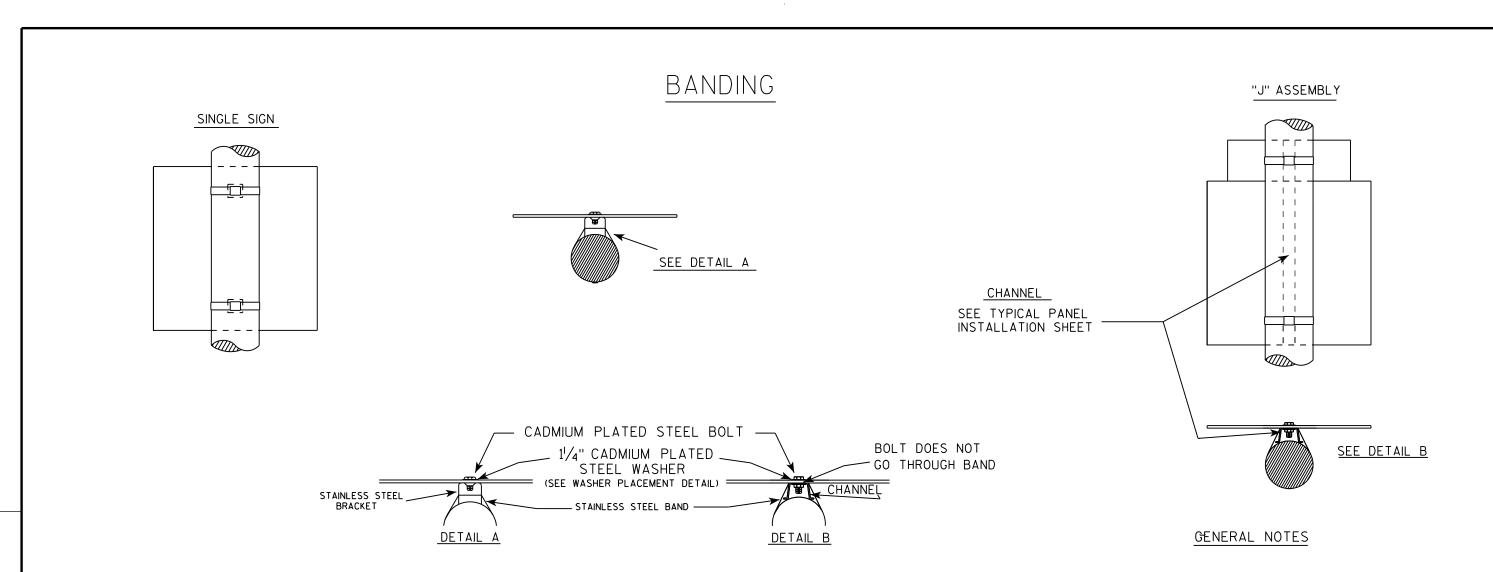
PLOT NAME: PLOT NAME: PLOT SCALE: 13.659812:1.000000

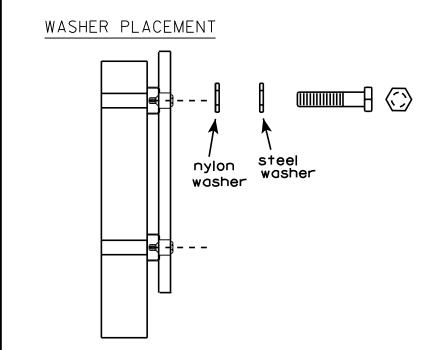
WISDOT/CADDS SHEET 42

For State Traffic Engineer

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

DATE 2/05/15





HWY:

WASHERS (ALL POSTS) -

COUNTY:

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

PLOT BY: mscsja

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.

STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

SHEET NO:

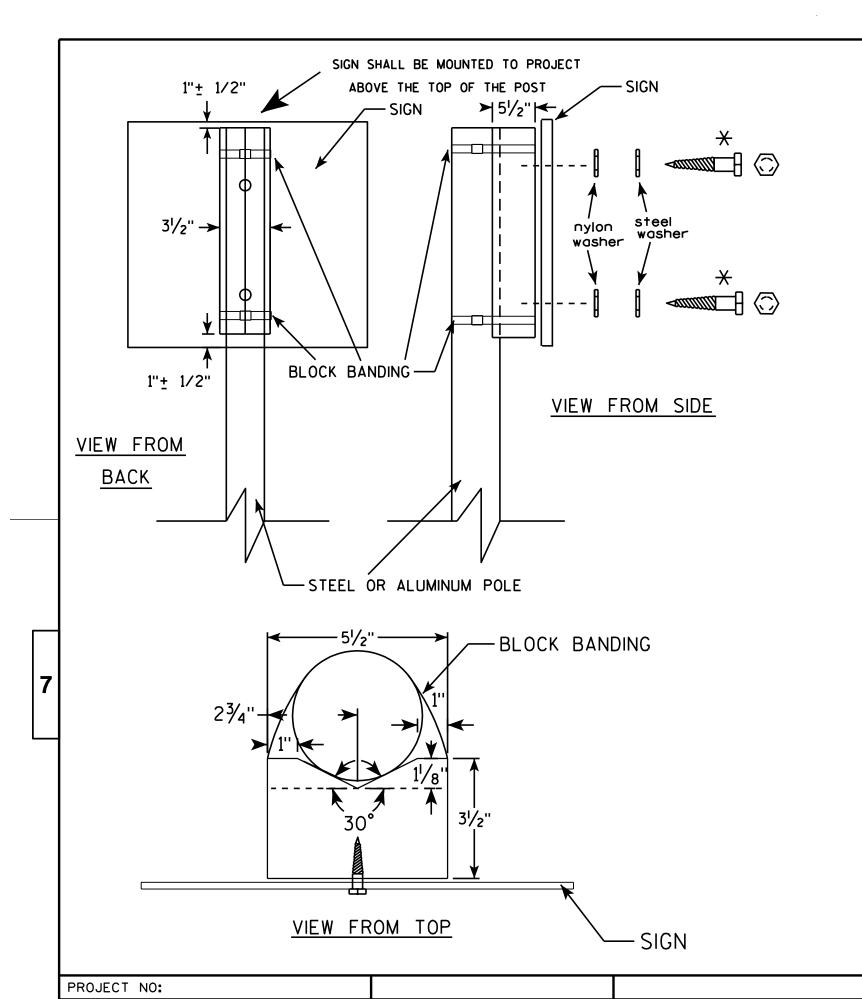
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A59.DGN

PROJECT NO:

PLOT DATE: 16-AUG-2013 13:27

PLOT NAME :

PLOT SCALE: 33.740899:1.000000



GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, 3/4" WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
 - b. Cadmium plated in accordance with ASTM Designation: B 766 TYPE 3, Class 12, or
 - c. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

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

BLOCK BANDING DETAIL

(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

APPROVED

For State Traffic Engineer

DATE 7/12/07 PLATE NO. A5-10.1

SHEET NO:

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

Background - See note 4 Message - See note 4

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

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MG6-1 and MG6-2 Background - Green

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

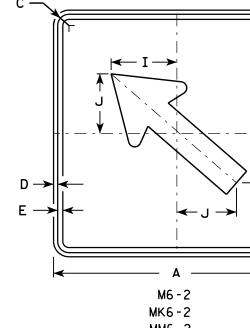
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow

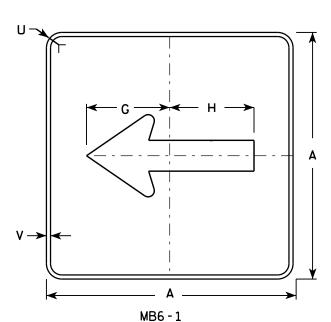


MM6-2

MN6 - 2 MO6-2

MP6-2

MR6-2



HWY:

M6 - 1

MK6-1

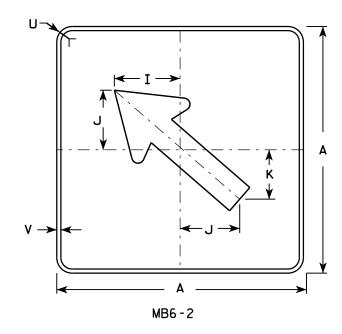
MM6 - 1

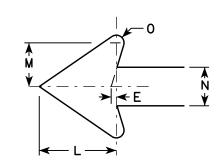
MN6-1

MO6-1

MP6-1

MR6-1





SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	₩	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3∕4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2**SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 7/03/14

PLATE NO. M6-1.14 SHEET NO:

PROJECT NO:

PLOT BY: mscsja

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

Background - See Note 4 Message - See Note 4

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

Message - Black

MB6-6 Background - Blue

Message - White

MK6-4 and MK6-6 Background - Green

Message - White

MM6-6 Background - White MM6-4

Message - Green

MN6-4 and MN6-6 Background - Brown

Message - White

and M06-6 Background - Orange - Type F Reflective

Message - Black

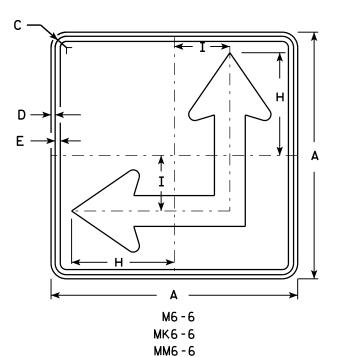
MP6-4 and MP6-6 Background - White

Message - Blue

MR6-4 and MR6-6 Background - Brown

Message - Yellow

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

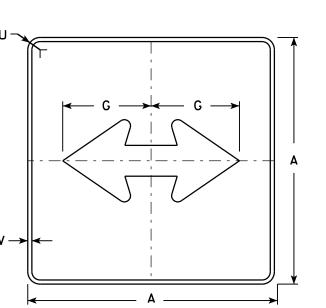


MN6-6

M06-6

MP6-6

MR6-6



MB6 - 4

HWY:

M6 - 4

MK6-4

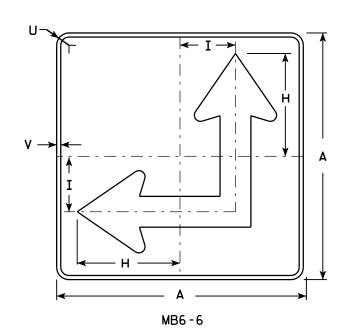
MM6 - 4

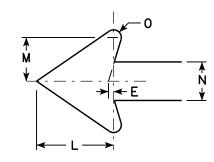
MN6 - 4

M06 - 4

MP6-4

MR6-4





SIZE	: A		В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																												
2	21	1		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30	0		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30	0		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30	0		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
														_														

COUNTY:

STANDARD SIGN M6-4 & M6-6 **SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PLATE NO. M6-4.9 DATE 7/03/14

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M64.DGN

PROJECT NO:

PLOT DATE: 03-JUL-2014 14:56

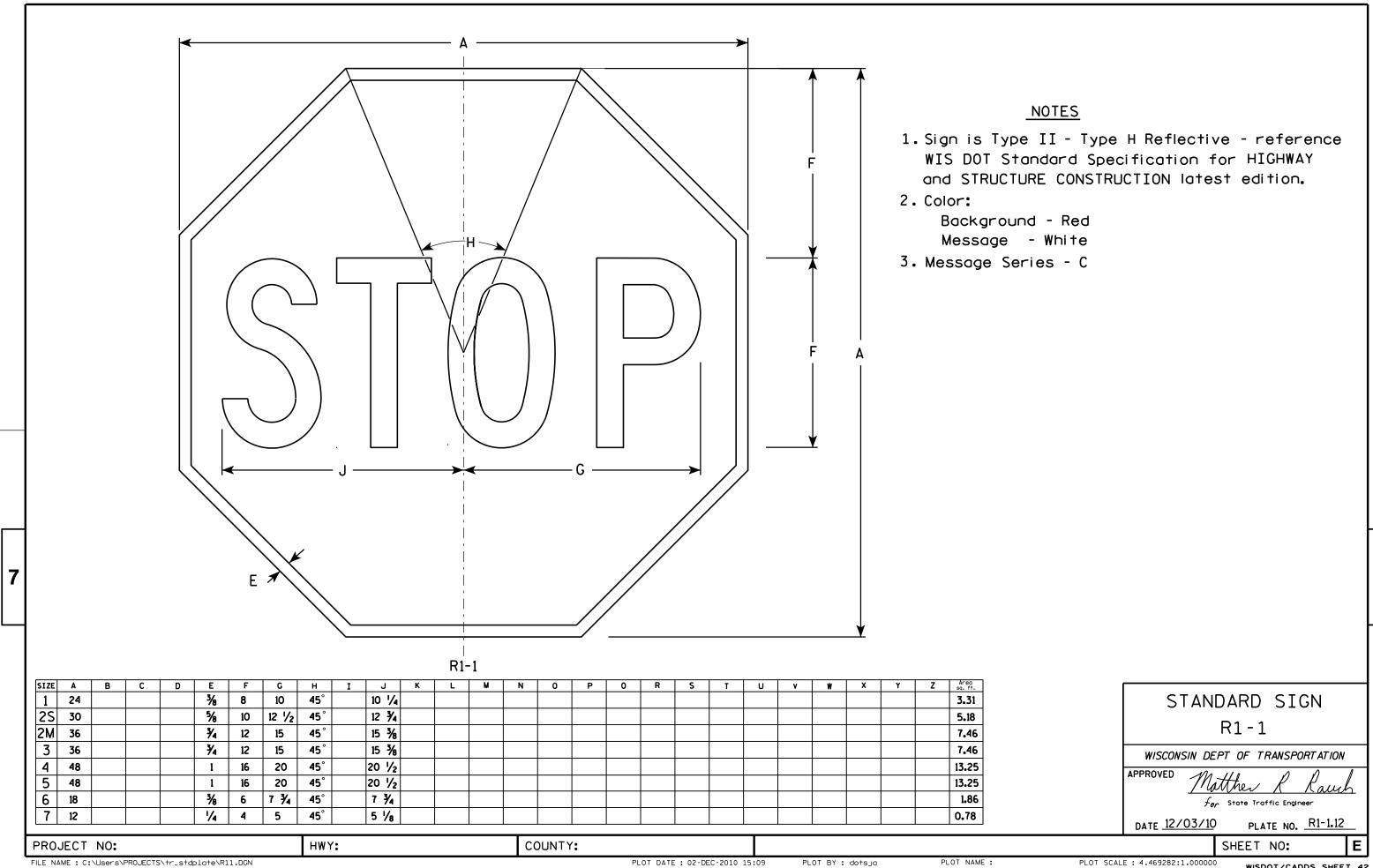
PLOT NAME :

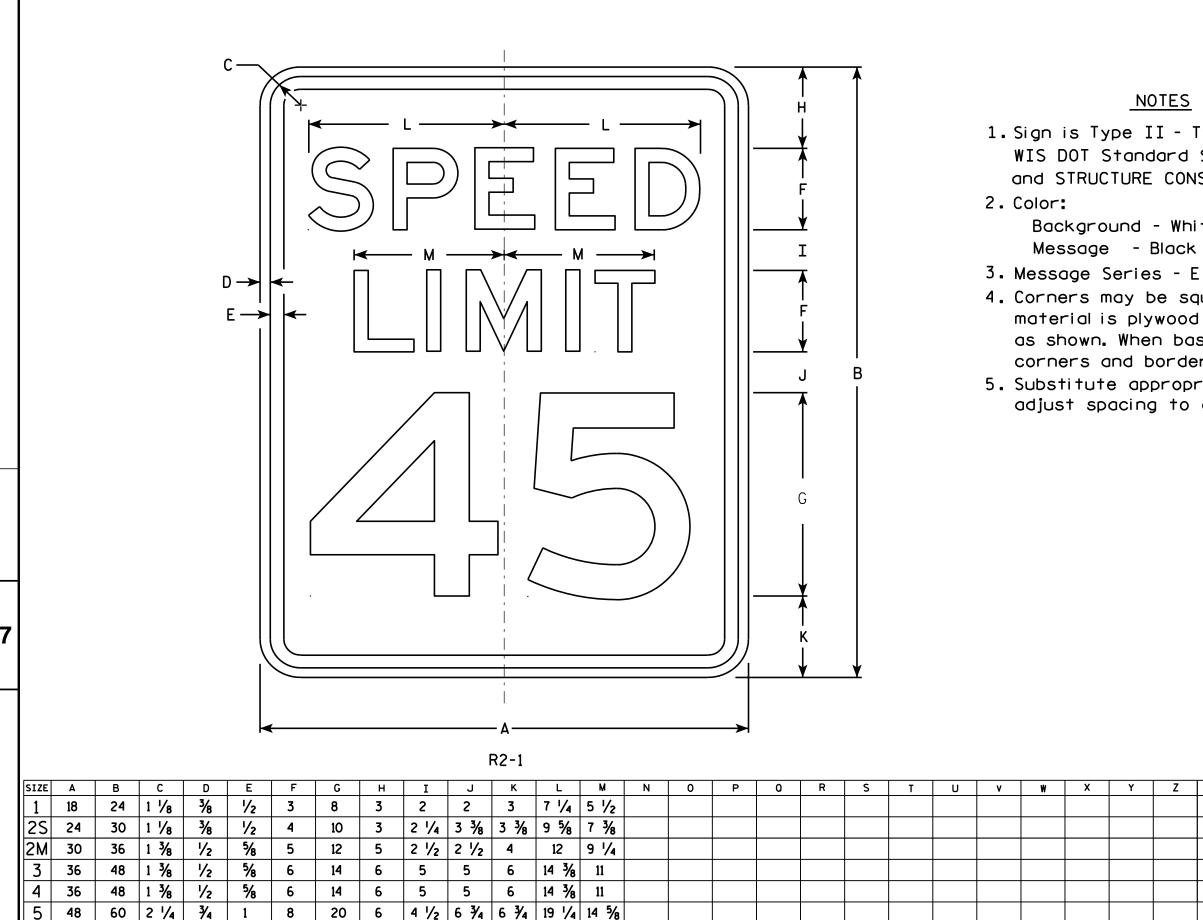
PLOT BY: mscsja

PLOT SCALE: 11.675051:1.000000

WISDOT/CADDS SHEET 42

SHEET NO:





COUNTY:

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

Background - White Message - Black

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

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Raus

For State Traffic Engineer DATE <u>5/26/1</u>0 PLATE NO. R2-1.13

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN

PROJECT NO:

HWY:

PLOT DATE: 28-MAY-2010 08:32

PLOT BY: ditjph

PLOT NAME :

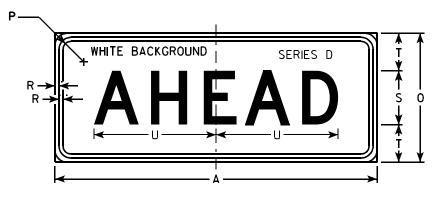
PLOT SCALE: 4.717577:1.000000



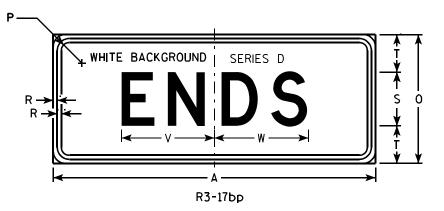
- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - AS SHOWN
Message - BLACK

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



R3-17ap



																												R3-17	R3-17ap	R3-17bp
SIZ	E A	4	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	₩	X	Υ	Z	Area sq. 11.	Area sq. 11.	Area sq. f1.
1																													 	
25	3	0	24	1 1/8	3/8	1/2	2	4	4 1/8	7 1/8	6 3/8	9 1/2	2 %	7 ⁄8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 %	8 3/4	2 3/8	15 %	8	5.0	2.5	2.5
21	1 3	0	24	1 1/8	3∕8	1/2	2	4	4 1/8	7 1/8	6 3/8	9 1/2	2 %	7 ⁄8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 %	8 3/4	2 3/8	15 %	8	5.0	2.5	2.5
3																													<u> </u>	
4																													 	
5																														
2																														

STANDARD SIGN R3-17 & R3-17a&bp

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthe R Rauck

For State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R317.DGN

PROJECT NO:

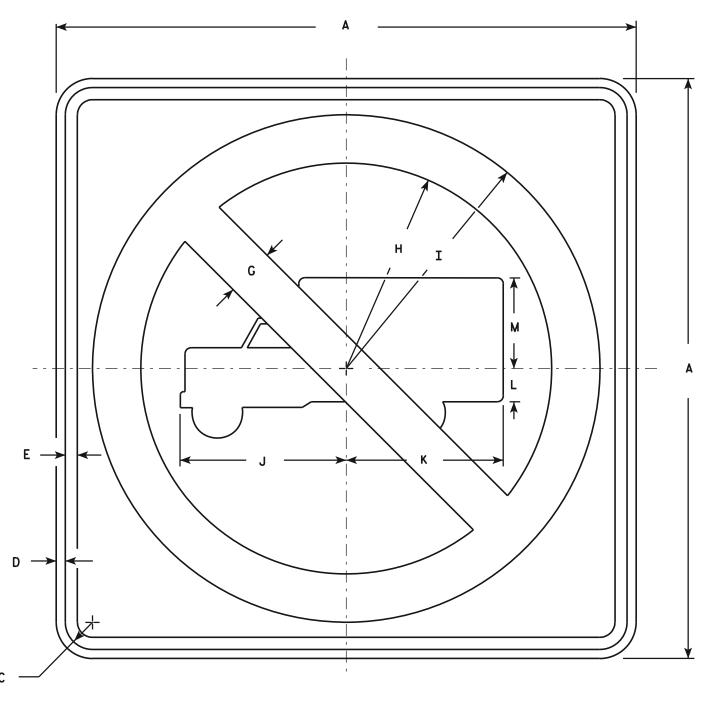
PLOT DATE: 02-APR-2013 14:09

PLOT BY: mscj9h

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

Background - White Message - See Note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. Circle & Diagonal Reflective red. Truck Symbol & Border - Non-reflective black.



R5-2

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	P	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 %	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 %	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 %	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 %	5/8	3/4		3	12 3/4	15 ¾	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 %	13	2 %	7 5/8														16.0

COUNTY:

STANDARD SIGN R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :



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

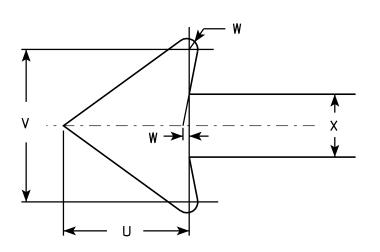
Background - White Message - Red

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

R7-1L (left arrow)

R7-1R (right arrow)

PLOT NAME :



R7-1

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

COUNTY:

STANDARD SIGN R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED

Matthew Rauch

For State Traffic Engineer

DATE 3/31/2011

1 PLATE NO. R7-1.9
SHEET NO:

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

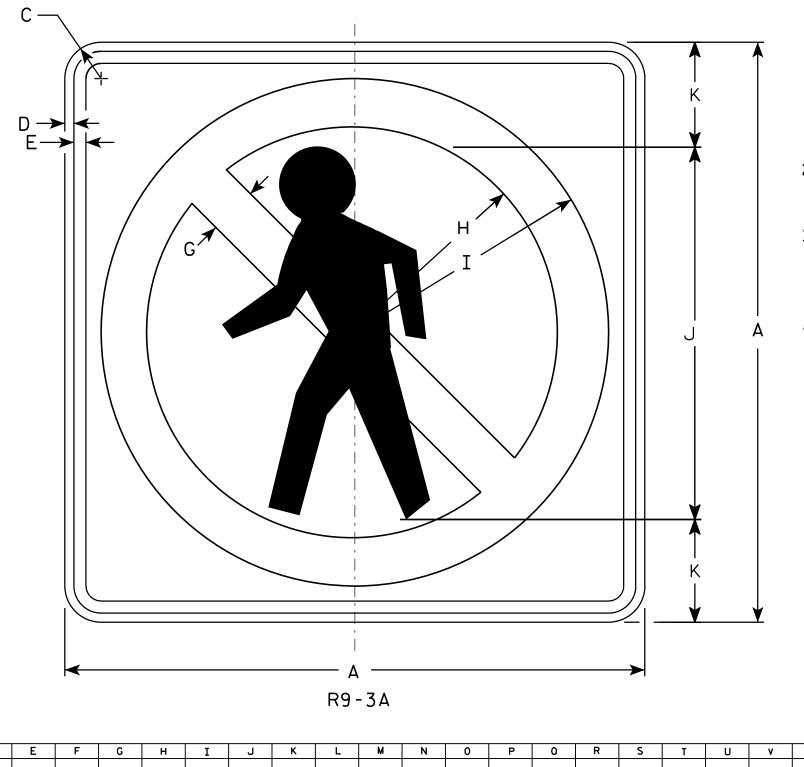
HWY:

PROJECT NO:

PLOT DATE: 31-MAR-2011 09:20

PLOT BY: mscsja

PLOT SCALE: 3.476110:1.000000



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

Background - White Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. Border & Pedistrian are non-reflective black. Circle with diagonal bar is reflective red.

2S 1 1/8 3/8 3/8 1 1/2 | 6 1/4 | 7 7/8 | 18 12 3 2.25 2M 3/8 1 1/2 6 1/4 7 1/8 18 1 1/8 2.25 3 4 3∕8 2 | 8 1/2 | 10 1/2 | 15 24 1 1/8 1/2 4.00 5

COUNTY:

STANDARD SIGN R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3A.2

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R93A.DGN

PROJECT NO:

HWY:

PLOT DATE: 04-JUN-2010 14:02

PLOT BY : ditjph

PLOT NAME :

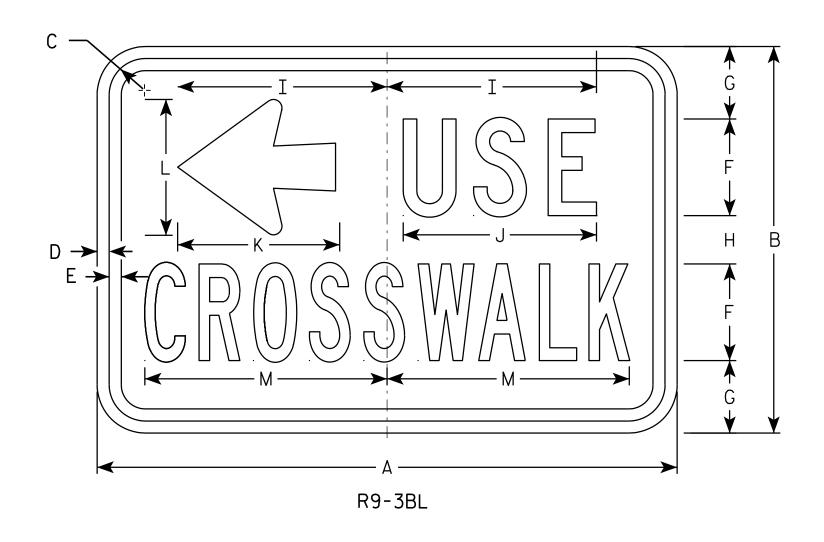
PLOT SCALE • 3 97269

PLOT SCALE: 3.972696:1.000000

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

Background - White Message - Black

- 3. Message Series C Line 1. Series B Line 2
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Metric equivalent for this sign is:

SIZE					
1					
2	450	mm	X	300	mm
3					
4					
5					

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Φ	0	R	S	T	U	٧	W	X	Υ	Z	Area sq. ft.	Area m2
1																												
2	18	12	11/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5	0.14
3																												
4																												
5		·		·		·													·						·			

COUNTY:

STANDARD SIGN R9-3BL

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

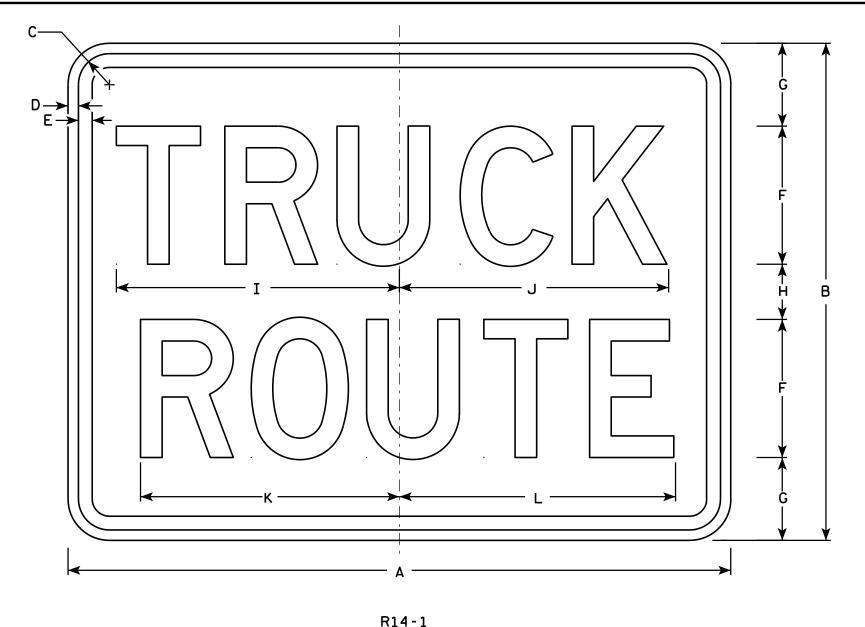
Matther R Rauch
For State Traffic Engineer

DATE 10/05/09

PLATE NO. R9-3BL.1

PLOT NAME :

HWY:



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

Background - White Message - Black

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

HWY:

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																l											
2	24	18	1 1/8	3∕8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/8	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

COUNTY:

STANDARD SIGN R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 4/1/11

For State Traffic Engineer PLATE NO. R14-1.6

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R141.DGN

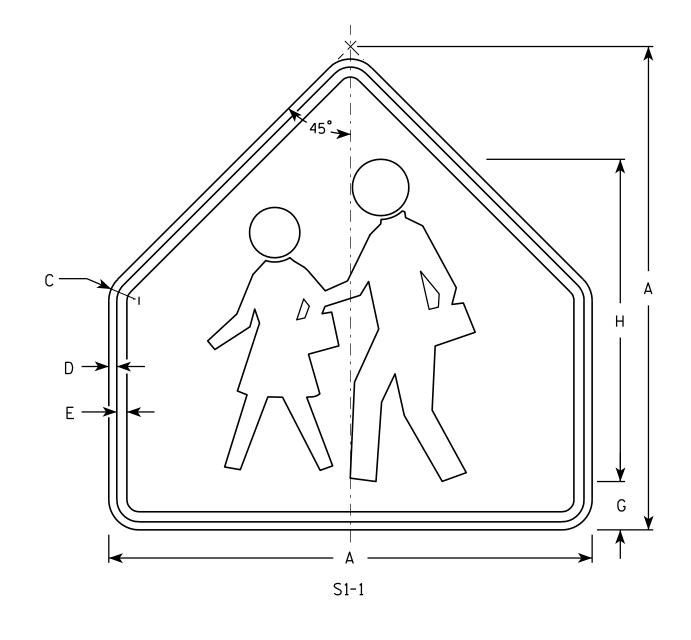
PROJECT NO:

PLOT DATE: 01-APR-2011 12:07

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 3.476110:1.000000



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

Background - Yellow-Green Message - Black

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

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 %	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

COUNTY:

STANDARD SIGN S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer
D5 PLATE NO. S1-1.8 DATE 6/30/05

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\S11.DGN

HWY:

PROJECT NO:

PLOT DATE: 26-MAY-2010 16:12

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.959043:1.000000

<u>NOTES</u>

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

Background - Yellow-Green Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

E-	
	B
→ H → A	
S16-7L	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areq sq. ft.
1	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
25	30	18	3%	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	3%	1/2	1 1/8	4 1/2	30°	8 ½	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											
			•	•	•																						

COUNTY:

STANDARD SIGN S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R For State Traffic Engineer DATE 7/22/13 PLATE NO. S16-7.1

SHEET NO:

PLOT DATE: 19-AUG-2013 14:55

PLOT NAME :

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\S167.dgn

HWY:

PROJECT NO:

PLOT BY: mscj9h

PLOT SCALE: 3.969517:1.000000

	KIMBERLY AVENUE Total Volume Table									
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol				
10+50.00	0.00	0.00	0.00	0.00	0.00	0.00				
10+61.40	0.06	72.94	0.01	15.39	0.01	15.39				
11+00.00	0.02	68.75	0.05	101.30	0.06	116.69				
11+50.00	0.02	74.95	0.03	133.05	0.09	249.74				
12+00.00	0.10	59.17	0.10	124.18	0.20	373.93				
12+10.00	0.07	64.69	0.03	22.94	0.23	396.87				
12+50.00	0.01	70.48	0.05	100.12	0.28	496.99				
12+75.00	0.07	59.36	0.03	60.11	0.31	557.10				
13+00.00	0.01	71.41	0.03	60.54	0.35	617.64				
13+50.00	0.20	52.20	0.20	114.45	0.54	732.09				
13+65.00	0.04	71.41	0.07	34.34	0.61	766.43				
14+00.00	0.02	68.47	0.04	90.67	0.65	857.09				
14+25.00	0.13	64.38	0.07	61.51	0.72	918.60				
14+50.00	0.10	71.77	0.11	63.03	0.83	981.63				
15+00.00	0.12	56.82	0.21	119.06	1.03	1100.70				
15+10.00	0.03	71.78	0.03	23.82	1.06	1124.51				
15+50.00	0.12	74.41	0.11	108.29	1.17	1232.80				
15+75.00	0.07	71.58	0.09	67.58	1.26	1300.39				
16+00.00	0.02	74.11	0.04	67.45	1.30	1367.83				
16+50.00	0.00	65.45	0.02	129.22	1.32	1497.05				

	KIMBERLY AVENUE Total Volume Table									
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol				
16+80.00	0.00	80.24	0.00	80.94	1.32	1577.99				
17+67.63	4.50	71.44	7.30	246.16	8.62	1824.15				
17+85.00	0.00	113.25	1.45	59.40	10.06	1883.55				
18+00.00	0.01	90.18	0.00	56.51	10.07	1940.05				
18+50.00	0.02	84.52	0.03	161.75	10.10	2101.81				
19+00.00	0.03	85.53	0.05	157.45	10.15	2259.26				
19+50.00	0.39	66.09	0.39	140.39	10.54	2399.65				
20+00.00	0.01	57.56	0.37	114.49	10.90	2514.14				
20+50.00	0.03	75.47	0.03	123.17	10.94	2637.31				
21+00.00	0.01	77.80	0.04	141.91	10.97	2779.22				
21+50.00	0.10	74.27	0.10	140.80	11.07	2920.02				
21+75.00	0.00	68.94	0.05	66.30	11.12	2986.32				
22+00.00	0.11	73.35	0.05	65.88	11.17	3052.19				
22+50.00	0.01	74.46	0.11	136.87	11.29	3189.06				
23+00.00	0.02	56.83	0.03	121.57	11.32	3310.63				
23+50.00	0.01	78.13	0.03	124.96	11.35	3435.60				
24+00.00	0.00	79.83	0.01	146.26	11.36	3581.86				
24+50.00	0.00	79.68	0.00	147.69	11.36	3729.55				
24+75.00	0.00	83.50	0.00	75.54	11.36	3805.09				
25+00.00	0.01	79.08	0.00	75.27	11.36	3880.36				

9

PROJECT NO:4989-00-19

HWY: KIMBERLY AVENUE

COUNTY: OUTAGAMIE

CROSS SECTIONS: KIMBERLY AVENUE EARTHWORK DATA

SHEET

Е

PLOT DATE: 11/2/2015 11:10 AM

PLOT BY: ANDREA BONELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

	KIMBERLY AVENUE Total Volume Table									
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol				
25+50.00	0.05	66.07	0.05	134.39	11.41	4014.75				
26+00.00	0.01	59.80	0.05	116.55	11.46	4131.30				
26+50.00	0.00	86.80	0.01	135.74	11.47	4267.04				
27+00.00	0.21	88.71	0.20	162.51	11.67	4429.55				
27+30.00	0.00	91.32	0.12	100.02	11.79	4529.56				
27+50.00	0.01	89.49	0.00	66.97	11.80	4596.53				
28+00.00	0.51	80.61	0.49	157.50	12.28	4754.03				
28+50.00	0.06	79.03	0.53	147.81	12.82	4901.84				
29+00.00	0.00	61.24	0.06	129.87	12.87	5031.71				
29+50.00	1.44	81.22	1.33	131.90	14.20	5163.61				
30+00.00	0.00	85.72	1.33	154.57	15.54	5318.18				
30+30.00	0.01	93.36	0.01	99.49	15.54	5417.67				
30+50.00	0.01	84.16	0.01	65.75	15.55	5483.42				
31+00.00	0.19	77.78	0.19	149.94	15.74	5633.36				
31+50.00	0.04	80.78	0.21	146.82	15.94	5780.18				
32+00.00	0.06	68.63	0.09	138.34	16.03	5918.52				
32+00.00	0.06	68.63	0.09	138.34	16.03	5918.52				
32+50.00	0.06	91.79	0.06	84.99	16.09	6003.51				
33+00.00	3.55	71.24	3.34	150.95	19.44	6154.46				
33+50.00	9.66	58.91	12.23	120.51	31.67	6274.97				

	KIMBERLY AVENUE Total Volume Table									
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol				
34+00.00	11.06	78.36	19.19	127.10	50.86	6402.07				
34+50.00	0.18	78.37	10.41	145.12	61.27	6547.19				
35+00.00	0.82	74.63	0.92	141.67	62.19	6688.86				
35+20.00	0.86	78.85	0.62	56.85	62.81	6745.71				
35+50.00	1.34	73.56	1.22	84.67	64.03	6830.38				
36+00.00	1.04	83.52	2.20	145.44	66.23	6975.82				
36+50.00	0.41	74.94	1.34	146.72	67.57	7122.54				
37+00.00	0.00	61.49	0.38	126.32	67.95	7248.87				
37+50.00	0.06	75.97	0.06	127.27	68.01	7376.14				
38+00.00	2.57	60.32	2.44	126.20	70.45	7502.34				
38+50.00	0.05	75.64	2.43	125.89	72.87	7628.23				
39+00.00	0.18	77.50	0.21	141.80	73.08	7770.03				
39+15.00	0.16	79.47	0.10	43.60	73.18	7813.63				
39+50.00	0.02	80.84	0.12	103.91	73.30	7917.54				
40+00.00	0.02	77.17	0.04	146.31	73.34	8063.84				
40+50.00	0.05	83.22	0.07	148.51	73.41	8212.36				
40+85.00	0.04	84.39	0.06	108.64	73.47	8321.00				
41+00.00	0.00	64.70	0.01	41.41	73.48	8362.41				
41+20.00	0.02	59.88	0.01	46.14	73.49	8408.55				
41+50.00	0.07	73.82	0.05	74.28	73.54	8482.83				

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COUNTY: OUTAGAMIE SHEET PROJECT NO:4989-00-19 HWY: KIMBERLY AVENUE CROSS SECTIONS: KIMBERLY AVENUE EARTH WORK DATA

	KIMBERLY AVENUE Total Volume Table									
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol				
42+00.00	0.07	80.23	0.13	142.64	73.67	8625.48				
42+50.00	0.00	71.00	0.07	140.03	73.74	8765.51				
43+00.00	0.03	85.58	0.03	144.98	73.77	8910.49				
43+50.00	0.01	47.72	0.04	123.43	73.81	9033.92				
44+00.00	0.09	74.57	0.09	113.24	73.90	9147.16				
44+10.00	0.09	77.02	0.03	28.07	73.93	9175.23				
44+50.00	0.02	61.90	0.08	102.90	74.02	9278.13				
45+00.00	2.40	73.67	2.24	125.52	76.26	9403.66				
45+15.00	1.98	76.34	1.22	41.67	77.48	9445.33				
45+50.00	1.40	76.24	2.19	98.89	79.67	9544.22				
45+90.00	0.00	69.54	1.04	107.98	80.70	9652.20				
46+00.00	0.27	79.64	0.05	27.63	80.75	9679.83				
46+50.00	0.05	84.40	0.29	151.89	81.05	9831.72				
46+60.00	0.00	89.29	0.01	32.17	81.05	9863.88				
47+00.00	0.00	88.59	0.00	131.77	81.06	9995.65				
47+35.00	0.02	93.28	0.02	117.88	81.07	10113.53				
47+50.00	0.01	95.02	0.01	52.30	81.09	10165.83				
48+00.00	0.08	97.19	0.09	177.97	81.17	10343.81				
48+35.00	0.02	80.46	0.06	115.14	81.23	10458.95				
48+50.00	0.02	75.85	0.01	43.42	81.24	10502.37				

	KIMBERLY AVENUE Total Volume Table									
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol				
49+00.00	0.31	72.37	0.31	137.24	81.55	10639.61				
49+50.00	0.11	73.95	0.39	135.48	81.94	10775.09				
50+00.00	0.17	51.97	0.26	116.59	82.20	10891.68				
50+25.00	0.04	69.60	0.10	56.28	82.30	10947.96				
50+50.00	0.02	67.73	0.03	63.58	82.33	11011.54				
51+00.00	0.02	71.86	0.03	129.25	82.36	11140.79				
51+50.00	0.09	64.71	0.10	126.45	82.45	11267.24				
52+00.00	0.09	73.13	0.16	127.63	82.62	11394.88				
52+50.00	0.07	71.44	0.15	133.86	82.77	11528.74				
53+00.00	0.21	67.23	0.26	128.40	83.03	11657.14				
53+35.00	0.03	62.90	0.16	84.34	83.19	11741.48				
53+53.28	0.02	67.95	0.02	44.30	83.21	11785.78				
53+63.88	0.00	0.00	0.00	13.34	83.21	11799.11				
54+00.00	0.00	0.00	0.00	0.00	83.21	11799.11				

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Е COUNTY: OUTAGAMIE HWY: KIMBERLY AVENUE CROSS SECTIONS: KIMBERLY AVENUE EARTHWORK DATA SHEET PROJECT NO:4989-00-19 PLOT BY: ANDREA BONELL

STH ROGER Total Volume Table								
I Station I fill Area I ('lit Area I fill Volume I ('lit Volume I						Cumulative Cut Vol		
78+96.01	0.19	41.01	0.00	0.00	0.00	0.00		
79+32.39	0.22	68.82	0.28	73.98	0.28	73.98		
79+50.00	0.00	68.41	0.07	44.76	0.35	118.74		
79+66.59	0.00	40.47	0.00	33.45	0.35	152.19		

KARLYN Total Volume Table							
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol	
99+35.00	0.00	53.52	0.00	0.00	0.00	0.00	
99+50.00	0.00	46.80	0.00	27.87	0.00	27.87	
99+60.55	0.00	55.86	0.00	20.05	0.00	47.92	

NTH ROGER Total Volume Table								
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol		
80+24.78	0.00	38.13	0.00	0.00	0.00	0.00		
80+50.00	1.64	53.63	0.77	42.86	0.77	42.86		
80+57.00	0.74	53.05	0.31	13.83	1.08	56.69		

PATRICK Total Volume Table							
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol	
109+36.00	1.22	62.76	0.00	0.00	0.00	0.00	
109+50.00	1.33	70.59	0.66	34.57	0.66	34.57	
109+60.37	0.28	74.53	0.31	27.87	0.97	62.44	

LINDA ST Total Volume Table							
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol	
89+35.28	0.00	42.85	0.00	0.00	0.00	0.00	
89+50.00	0.24	46.04	0.07	24.24	0.07	24.24	
89+60.61	0.00	58.89	0.05	20.62	0.11	44.85	

HELEN Total Volume Table							
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol	
119+43.55	0.45	61.13	0.00	0.00	0.00	0.00	
119+50.00	1.29	68.25	0.21	15.45	0.21	15.45	
119+60.43	0.48	70.70	0.34	26.85	0.55	42.30	

PROJECT NO:4989-00-19 COUNTY: OUTIGAMIE HWY: KIMBERLY AVENUE CROSS SECTIONS: EARTHWORK DATA

PLOT SCALE : 1 IN:10 FT

SHEET

ANNE EARTHWORK DATA							
Station	Station Fill Area Cut Area Fill Volume Cut Volume Cumulative Cumulative Cut Vol						
129+35.00	0.02	47.84	0.00	0.00	0.00	0.00	
129+50.00	0.00	64.36	0.01	31.17	0.01	31.17	
129+60.43	0.01	80.16	0.00	27.93	0.01	59.09	

JOSEPH EARTHWORK DATA								
Station	Station Fill Area Cut Area Fill Volume Cut Volume Cumulative Cumulative Cut Vol							
159+28.00	0.02	40.94	0.00	0.00	0.00	0.00		
159+50.00	0.54	61.07	0.23	41.56	0.23	41.56		
159+60.40	0.08	75.55	0.12	26.32	0.35	67.88		

PARKSIDE EARTHWORK DATA							
Station Fill Area Cut Area Fill Volume Cut Volume Cumulative Cumulative Cut Vo							
150+36.83	0.00	69.12	0.00	0.00	0.00	0.00	
150+47.64	0.00	53.03	0.00	24.44	0.00	24.44	

SOMERSET EARTHWORK DATA							
Station Fill Area Cut Area Fill Volume Cut Volume Cumulative Cumulative Cut Vol							
170+33.26	0.05	52.09	0.00	0.00	0.00	0.00	
170+45.81	0.20	32.71	0.06	19.71	0.06	19.71	

STH LOUISE EARTHWORK DATA							
Station	Station Fill Area Cut Area Fill Volume Cut Volume Cumulative Cumulative Cut Vol						
169+47.00	0.05	44.15	0.00	0.00	0.00	0.00	
169+50.00	0.75	49.56	0.04	5.21	0.04	5.21	
169+60.25	0.00	64.06	0.14	21.58	0.19	26.78	

WILBUR ST EARTHWORK DATA							
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol	
139+46.42	0.52	41.65	0.00	0.00	0.00	0.00	
139+50.00	0.39	52.21	0.06	6.22	0.06	6.22	
139+61.06	1.04	58.70	0.29	22.71	0.35	28.93	

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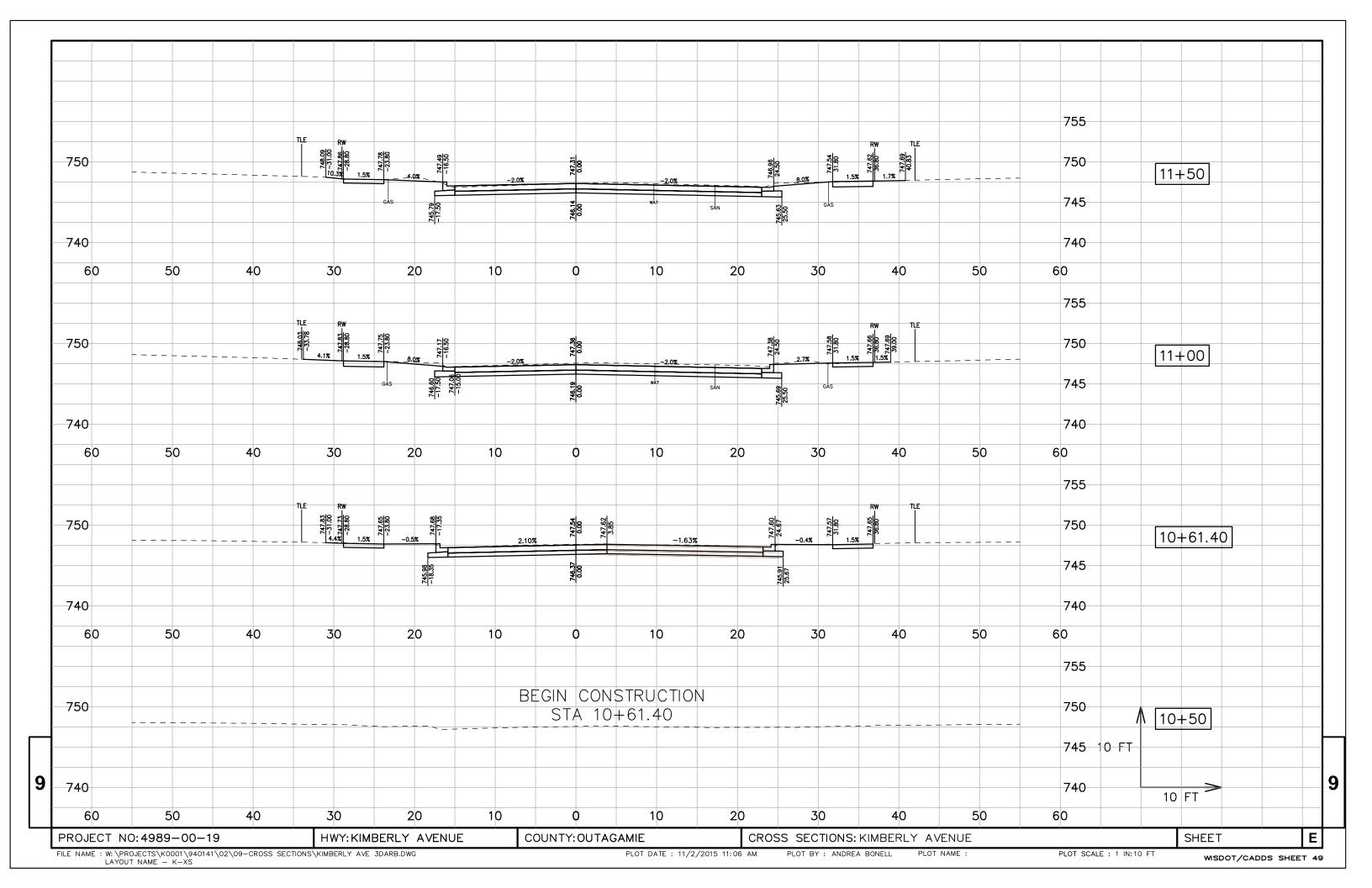
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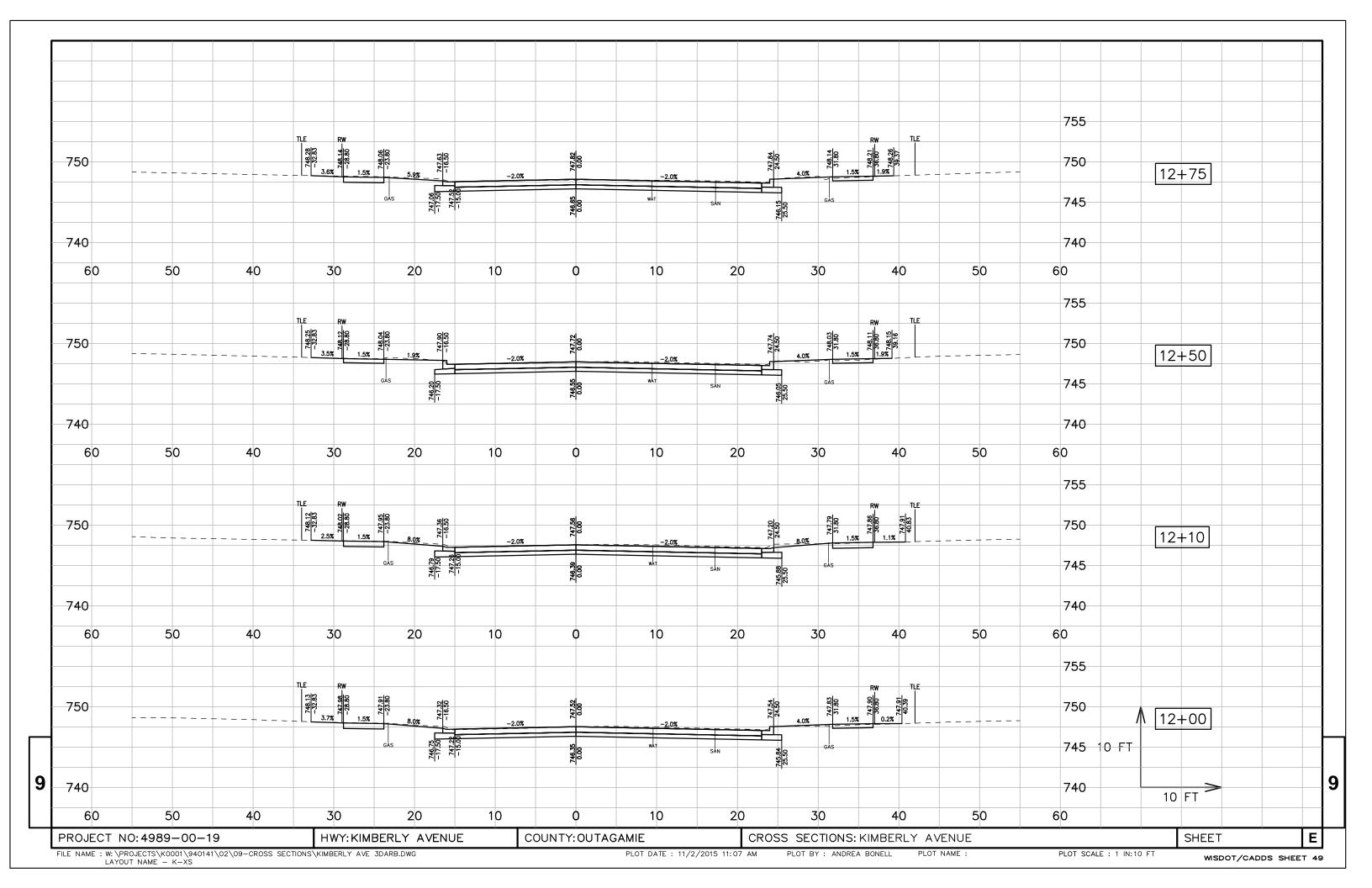
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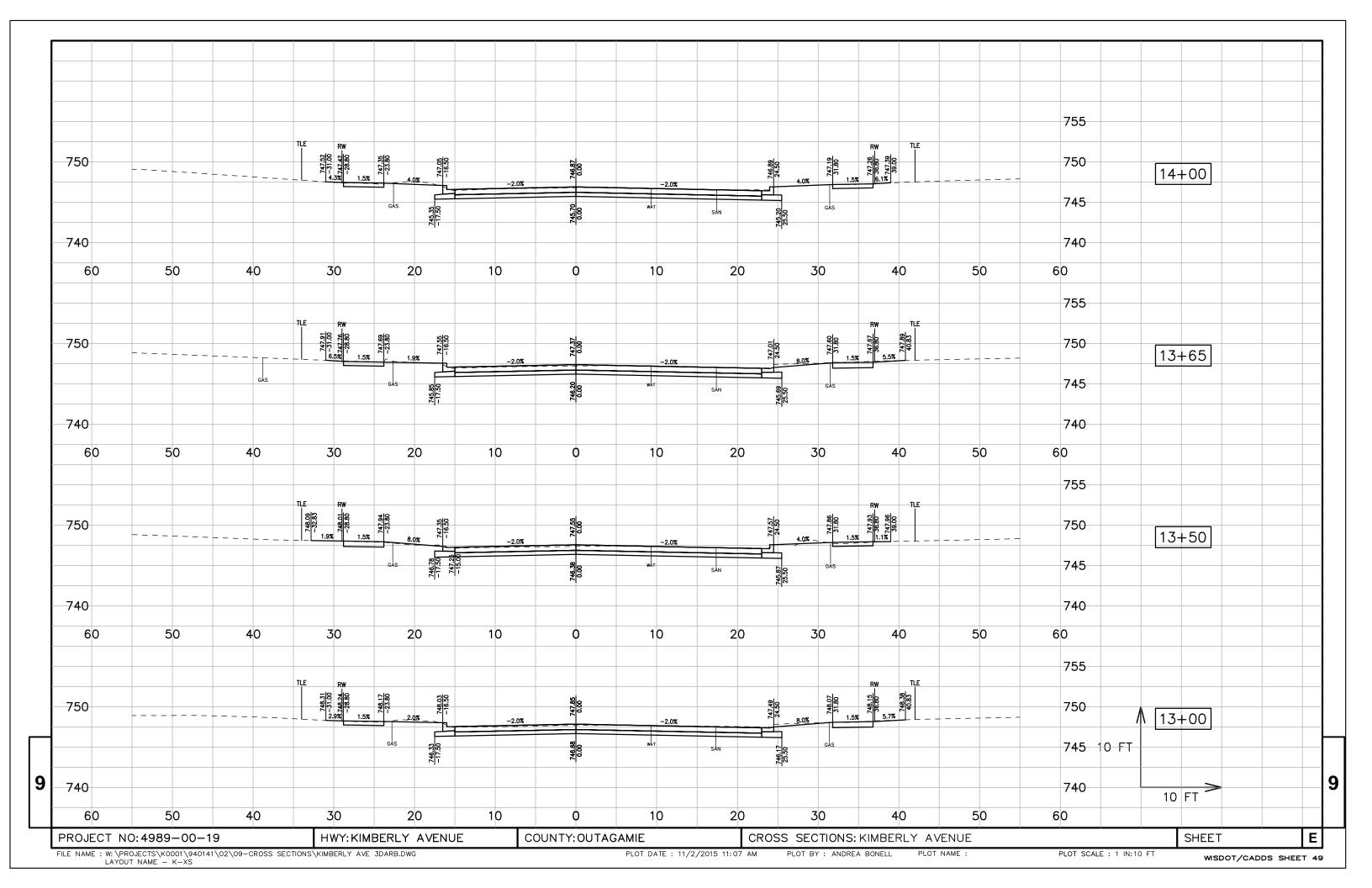
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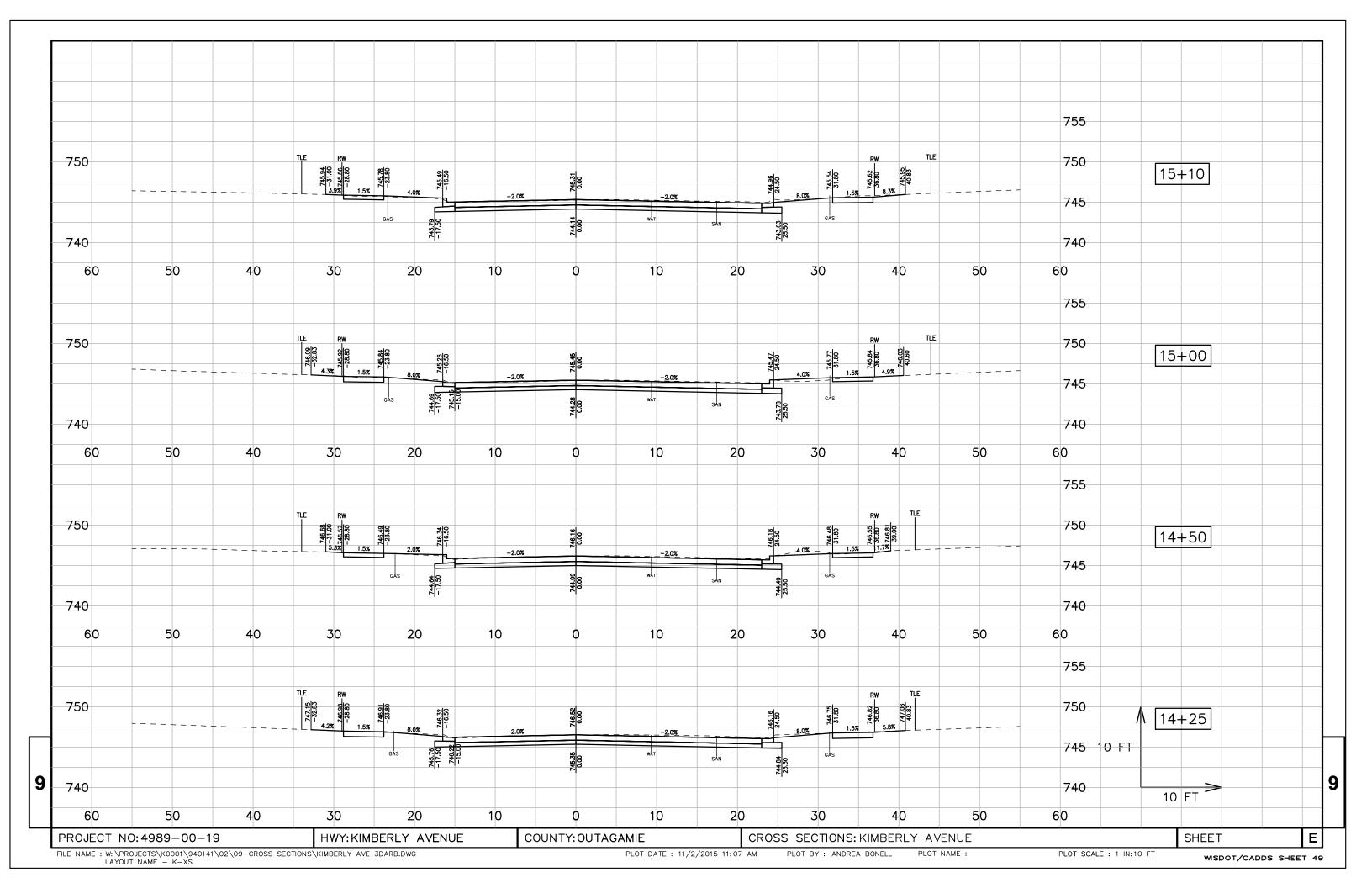
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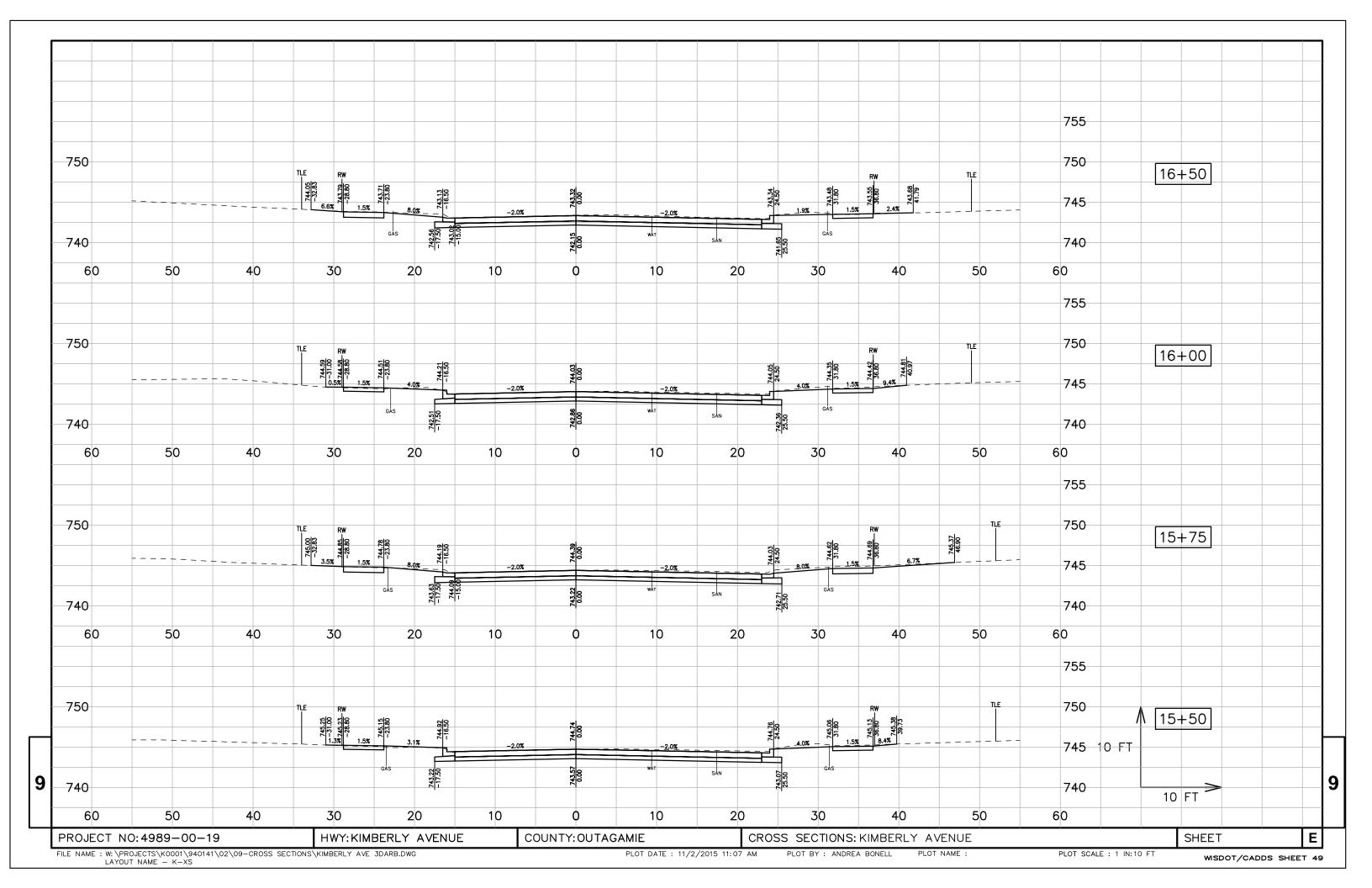
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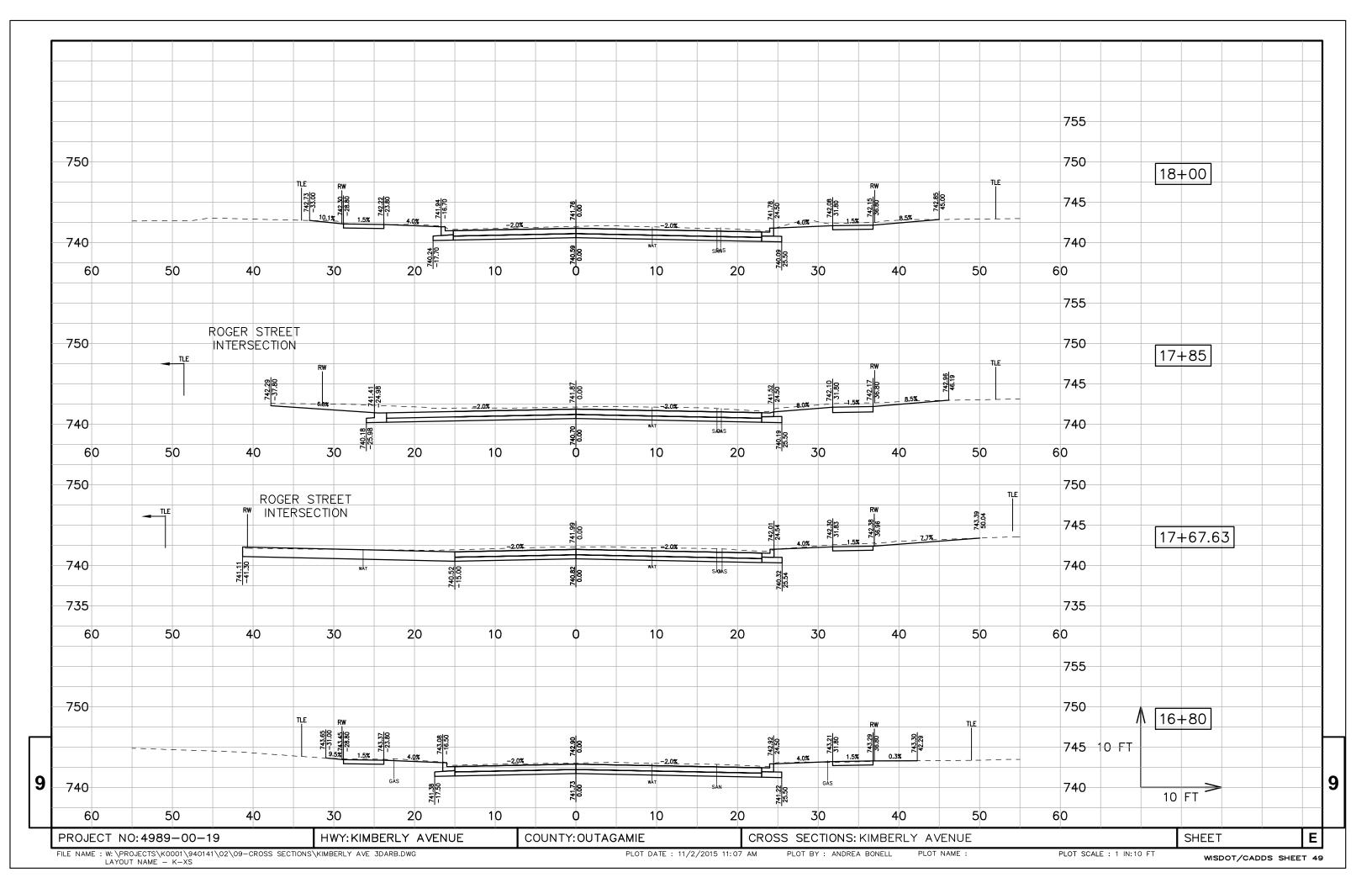


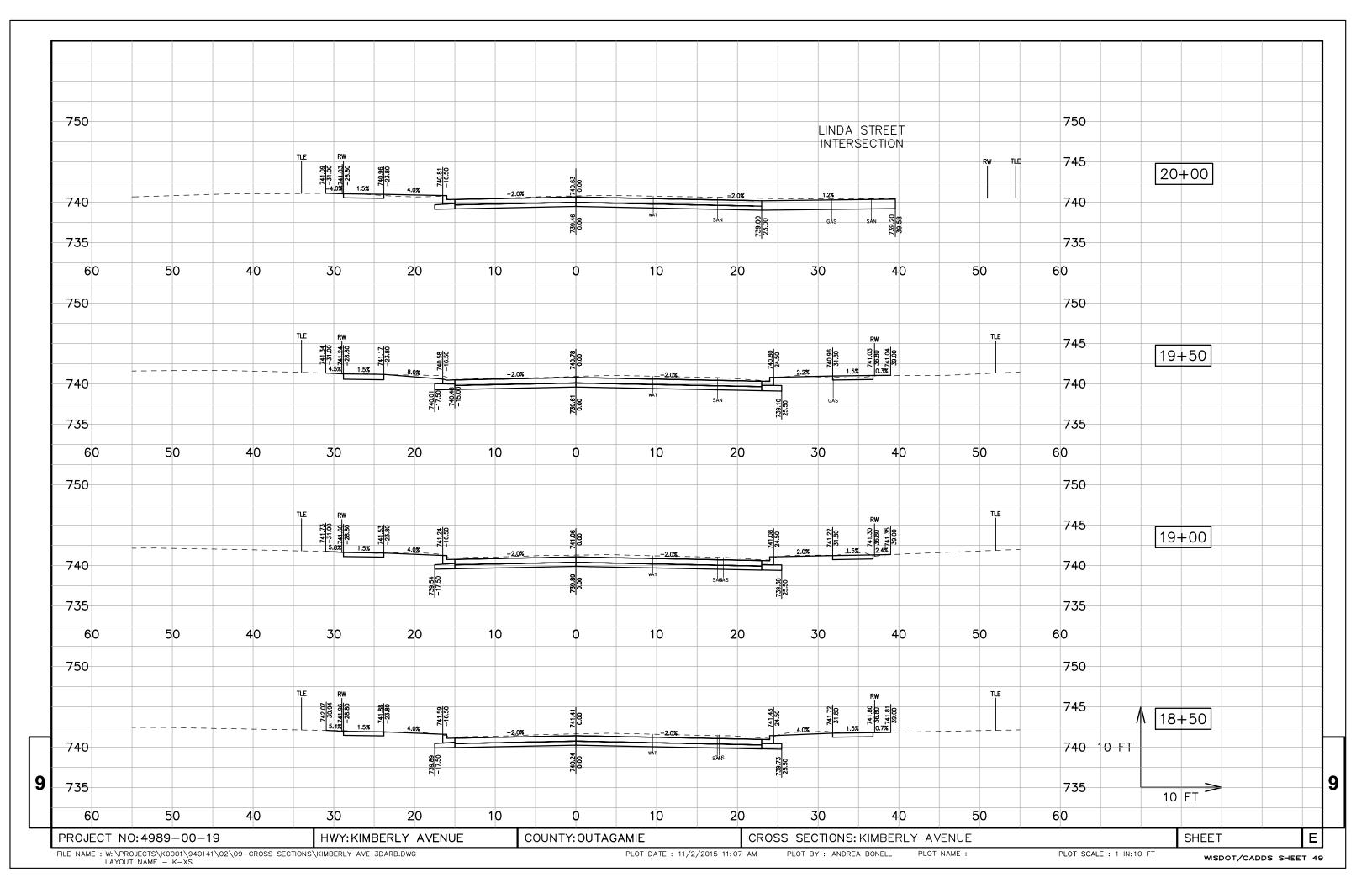


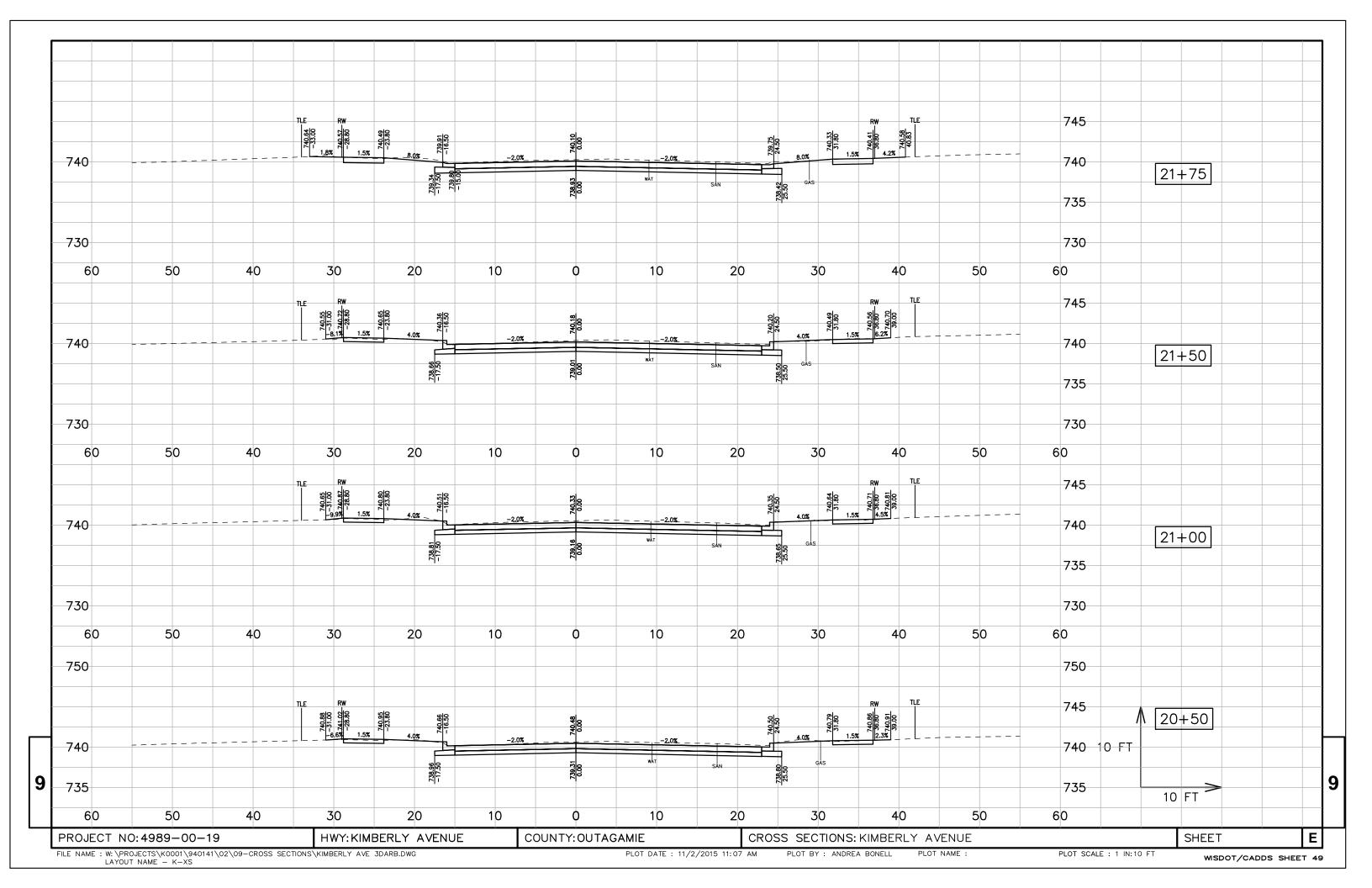


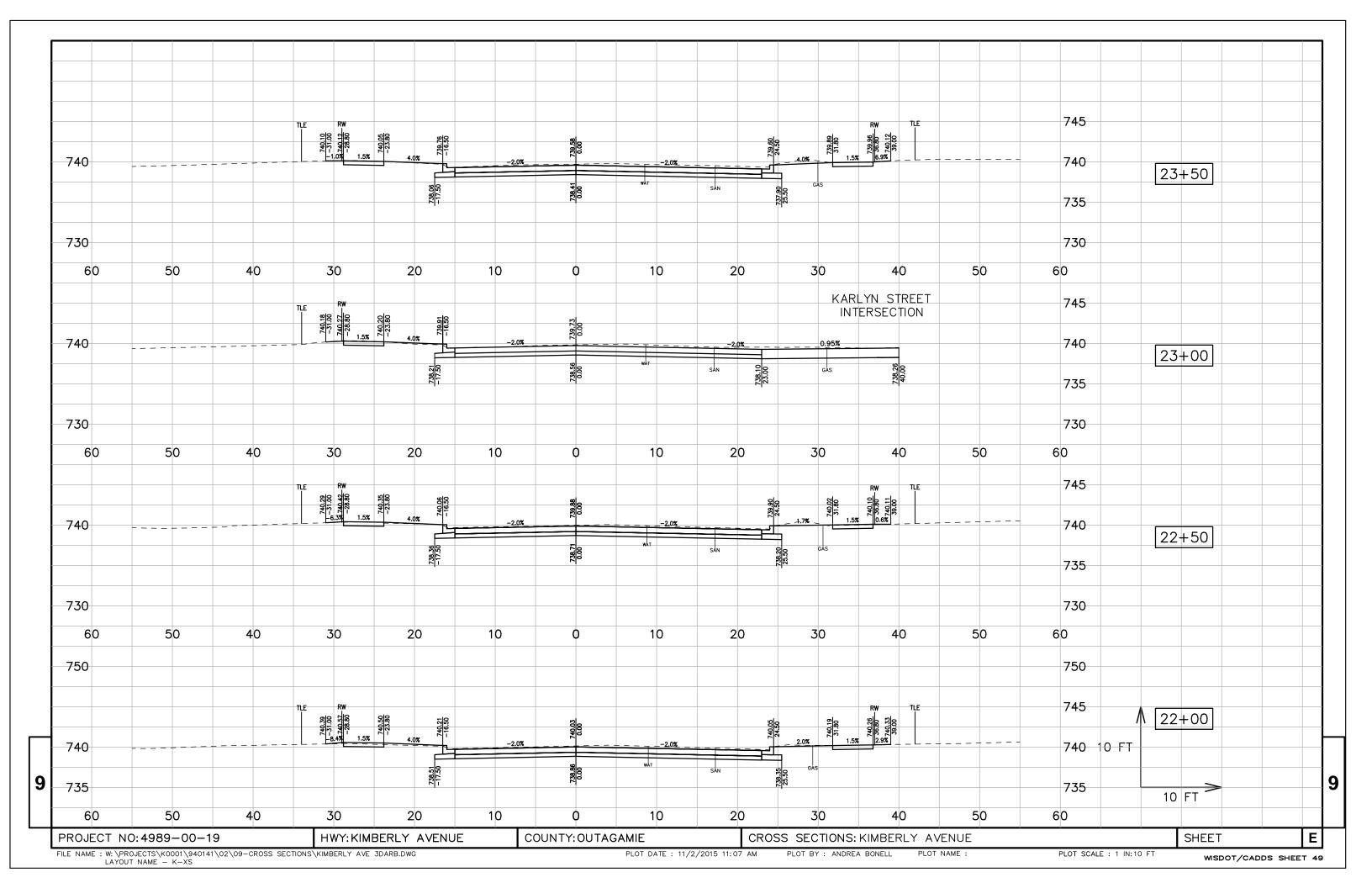


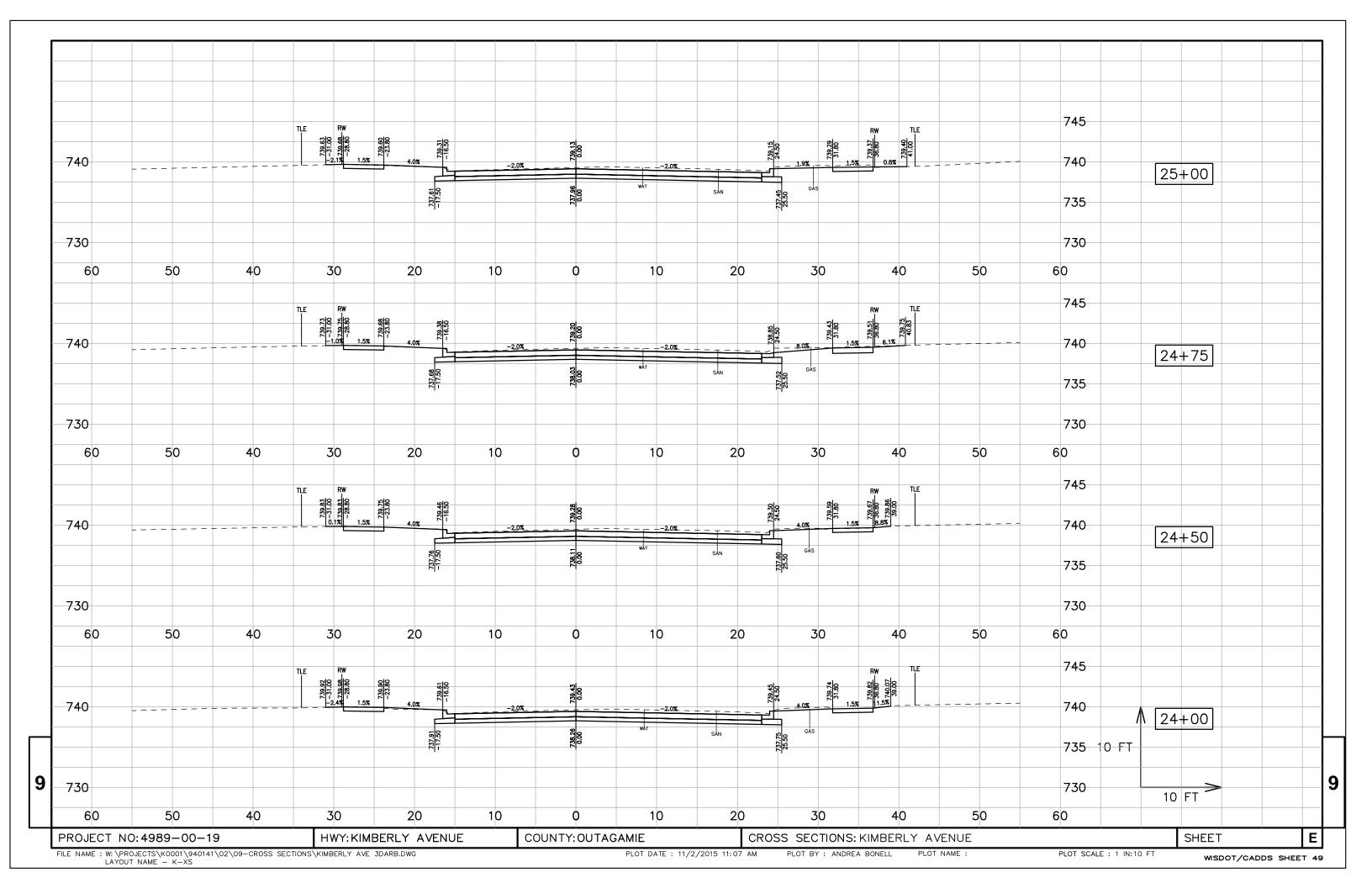


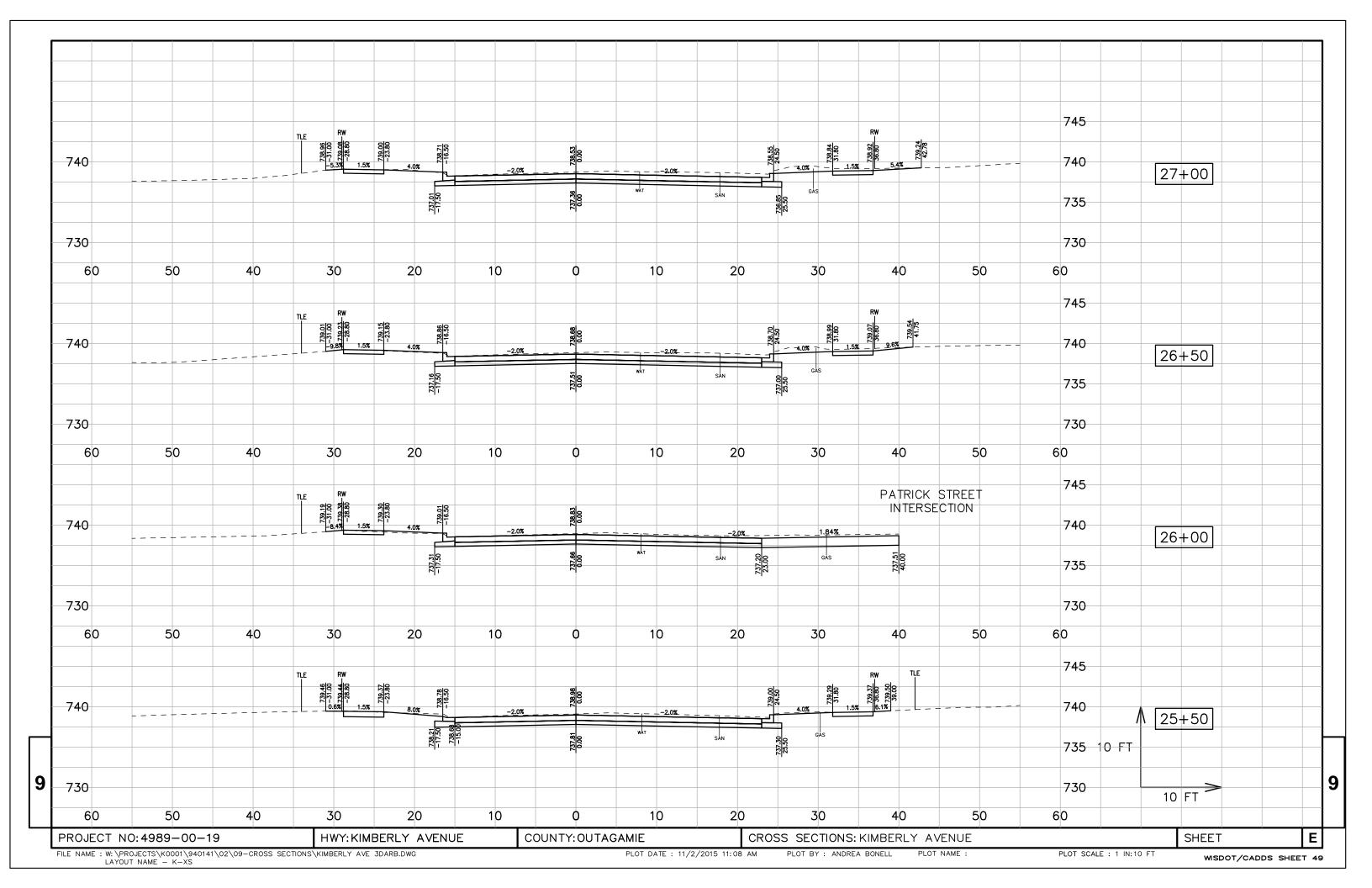


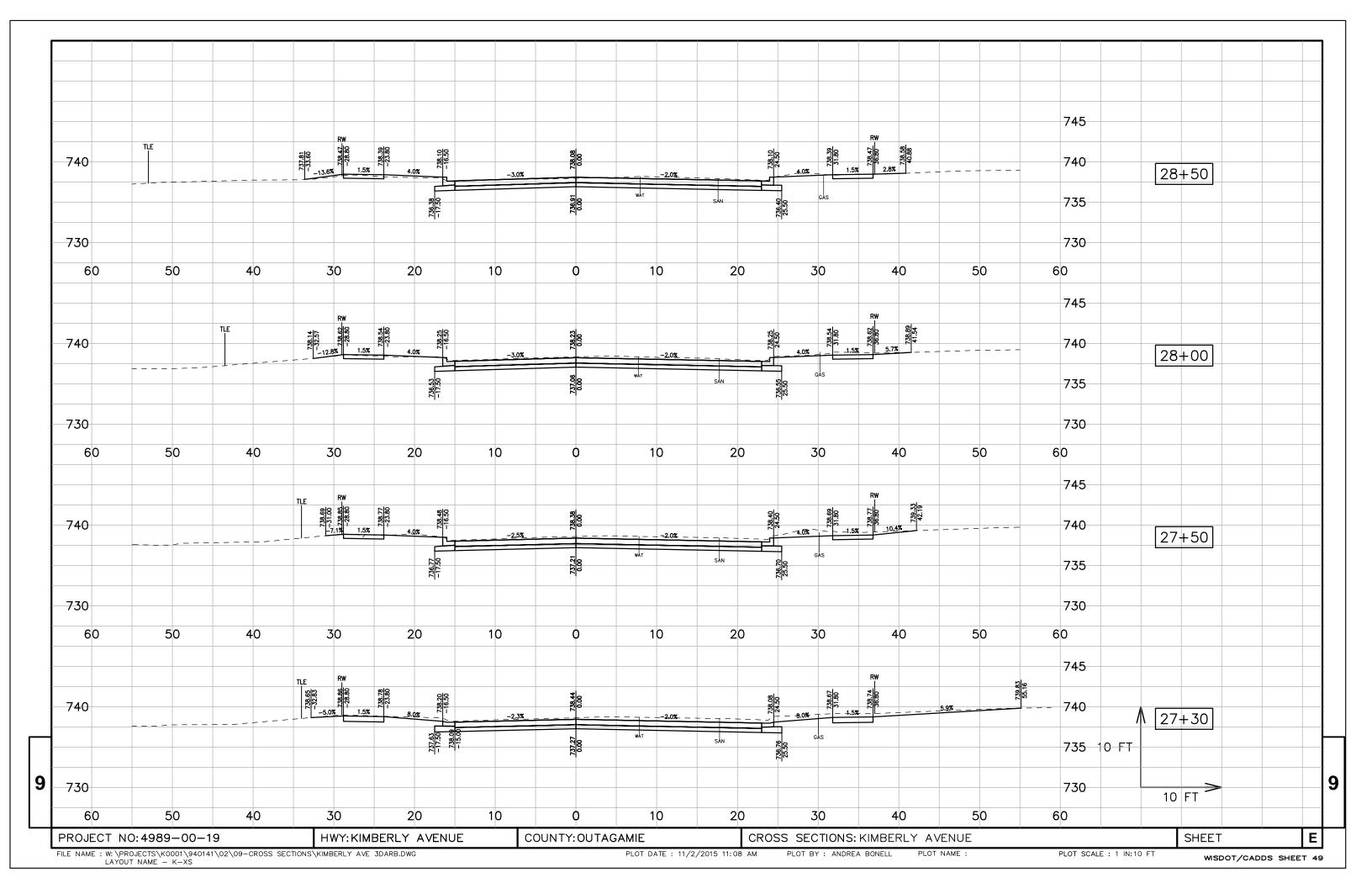


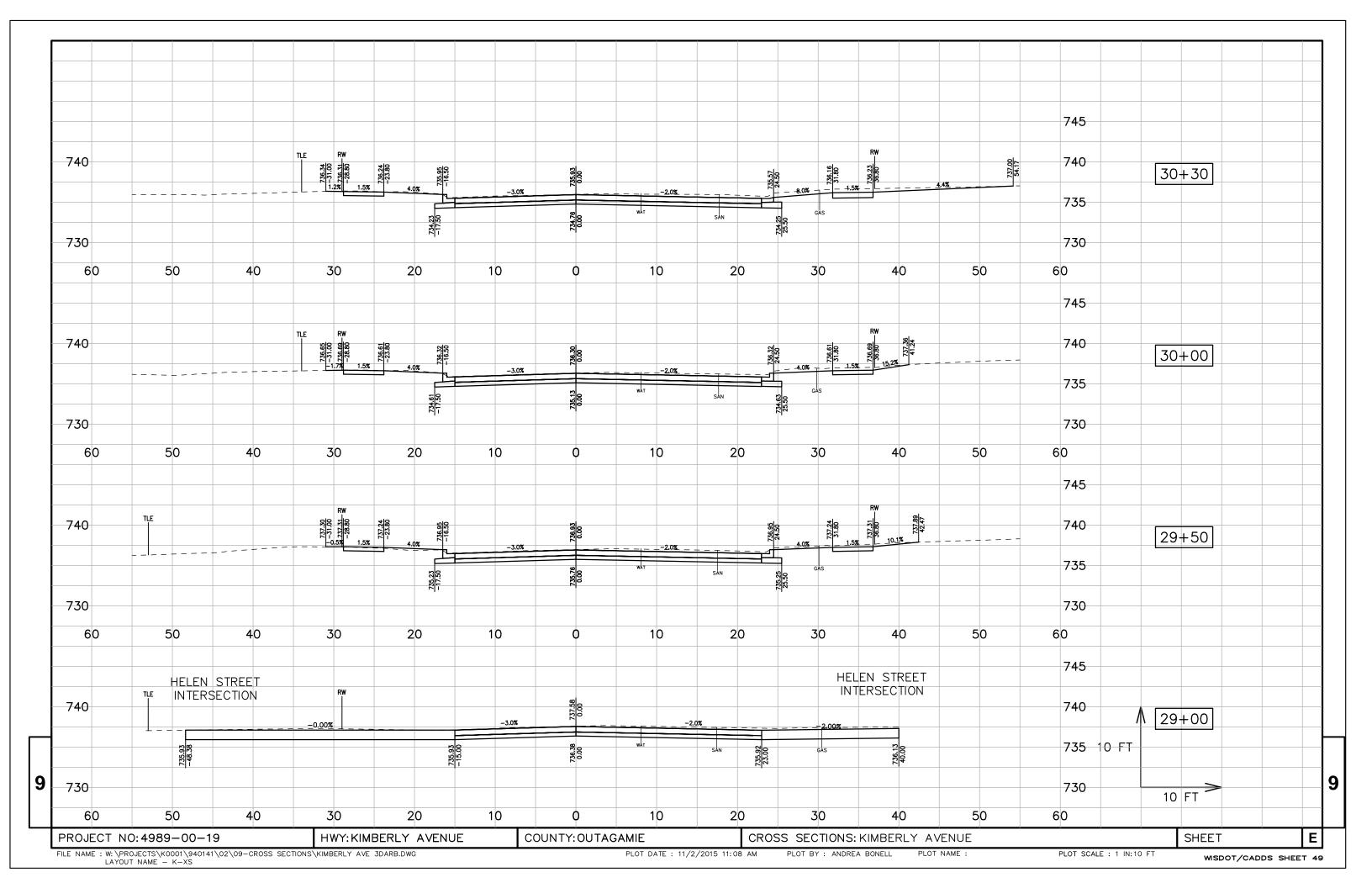


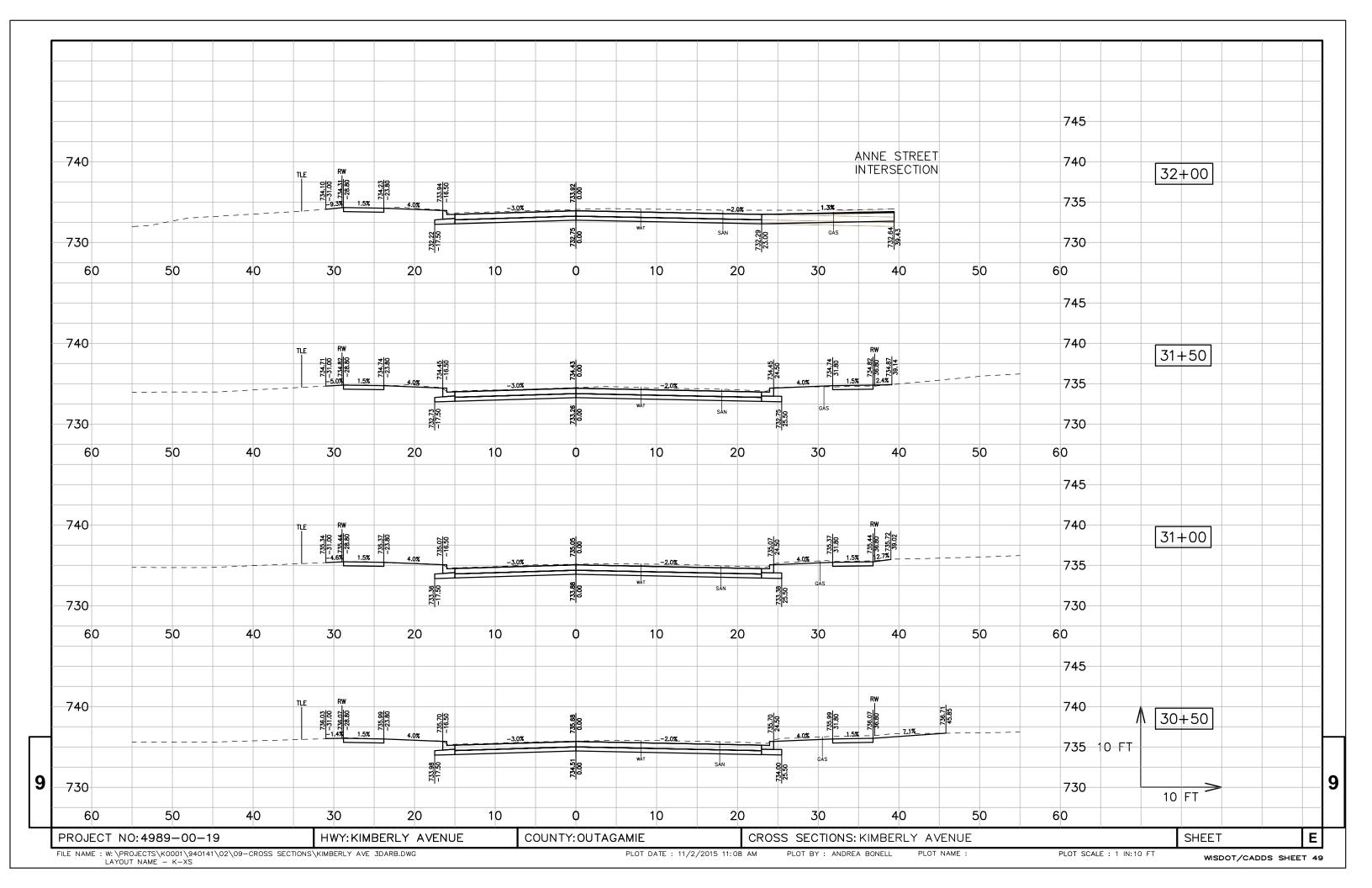


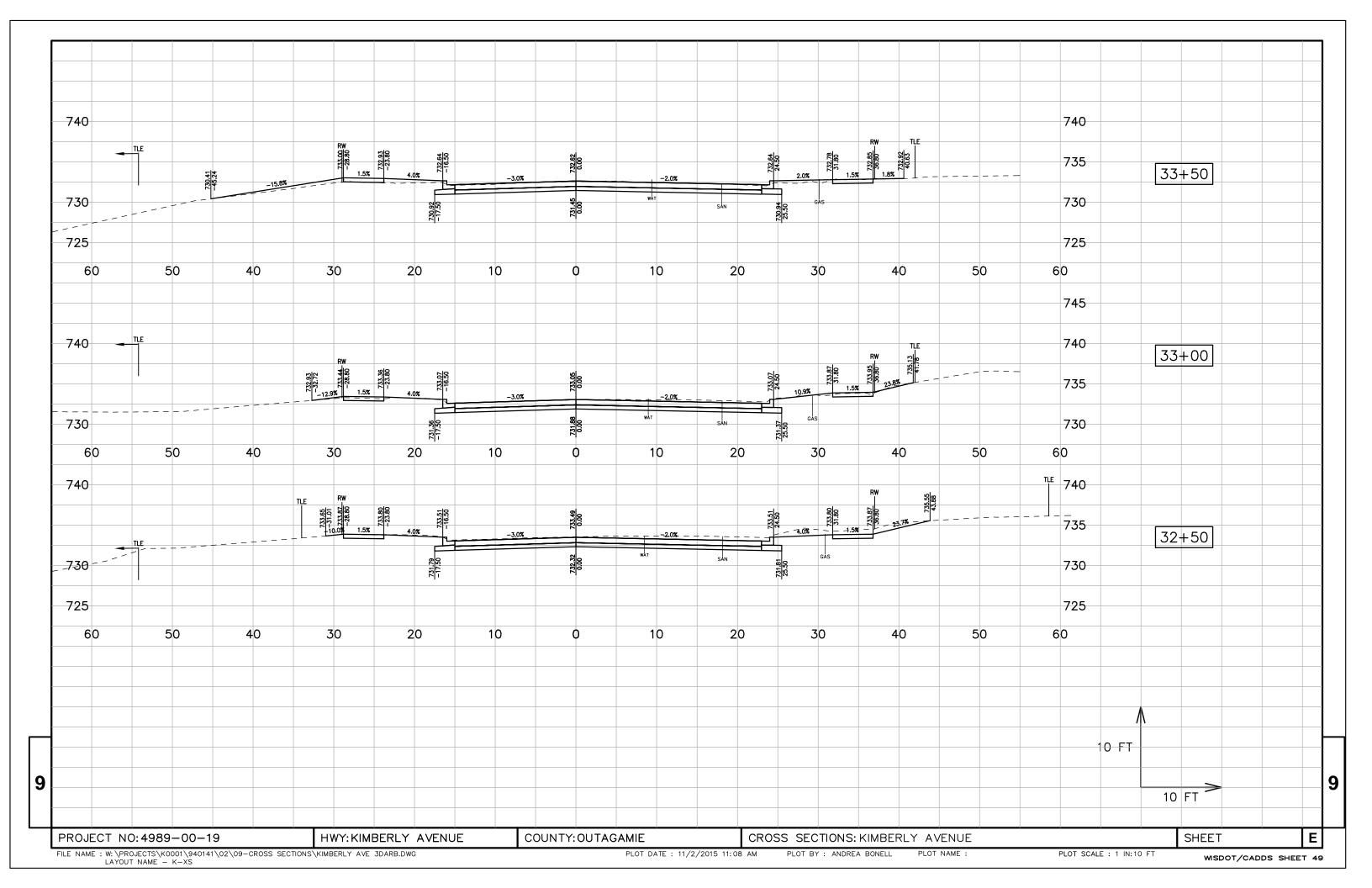


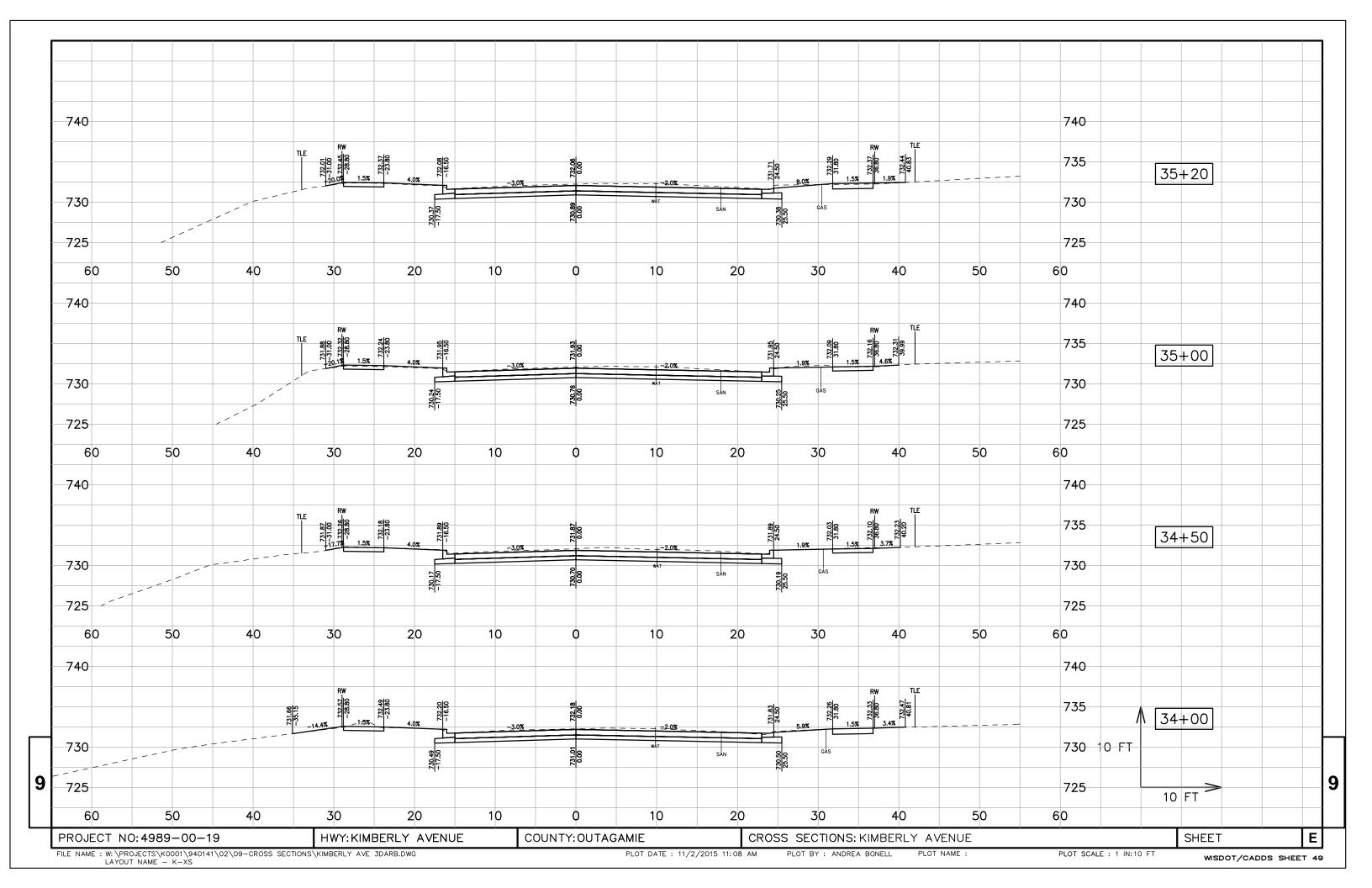


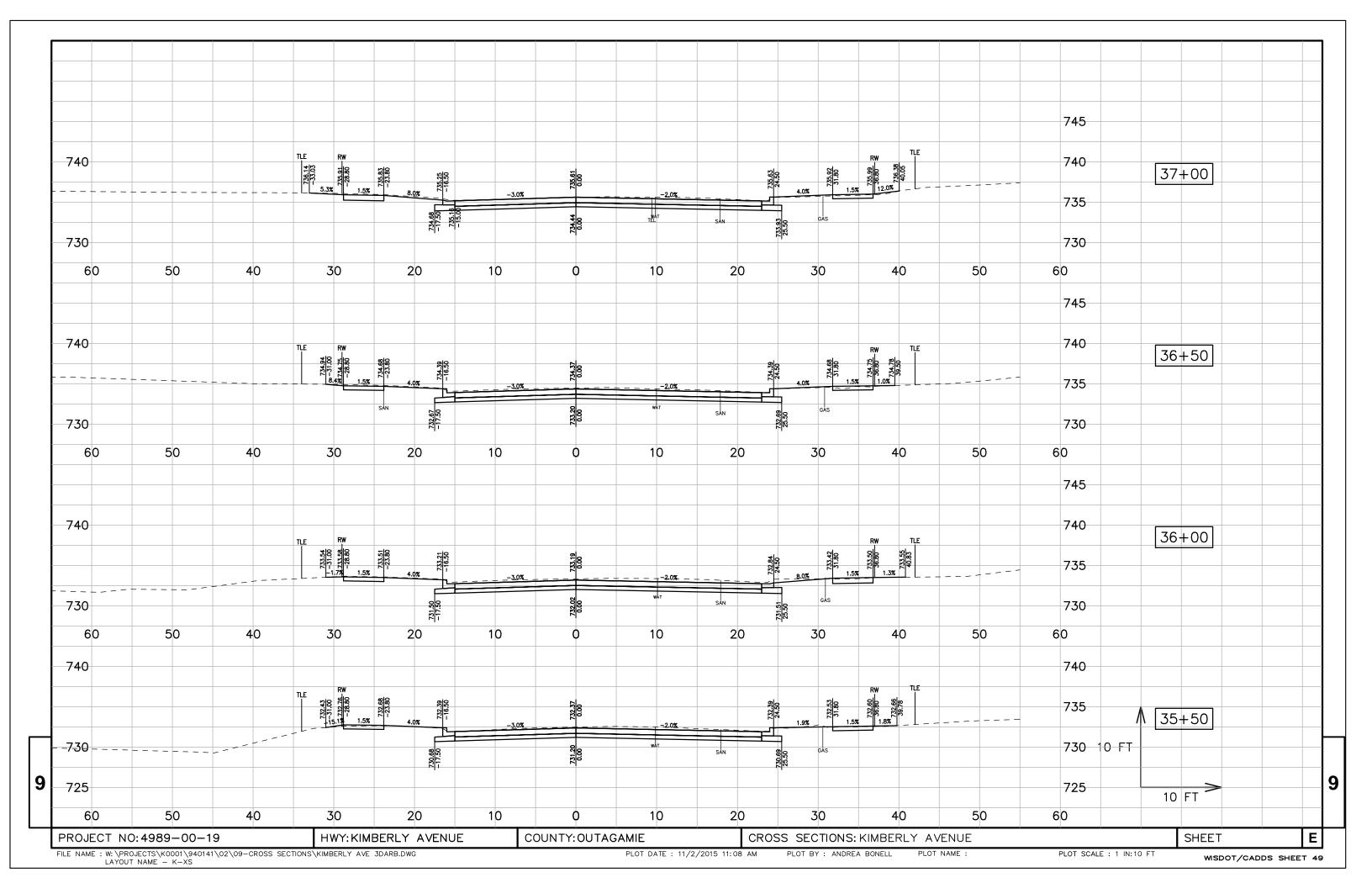


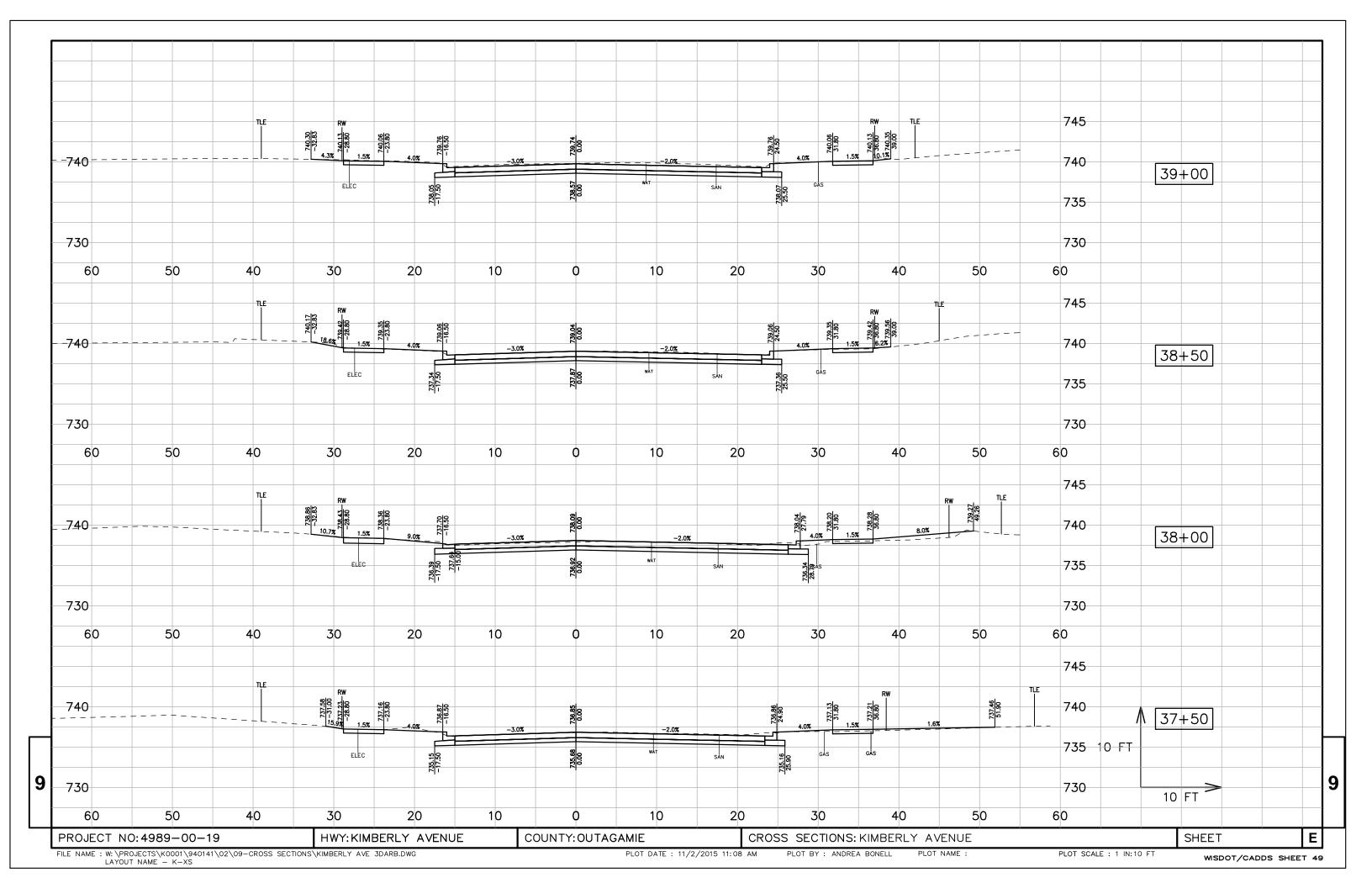


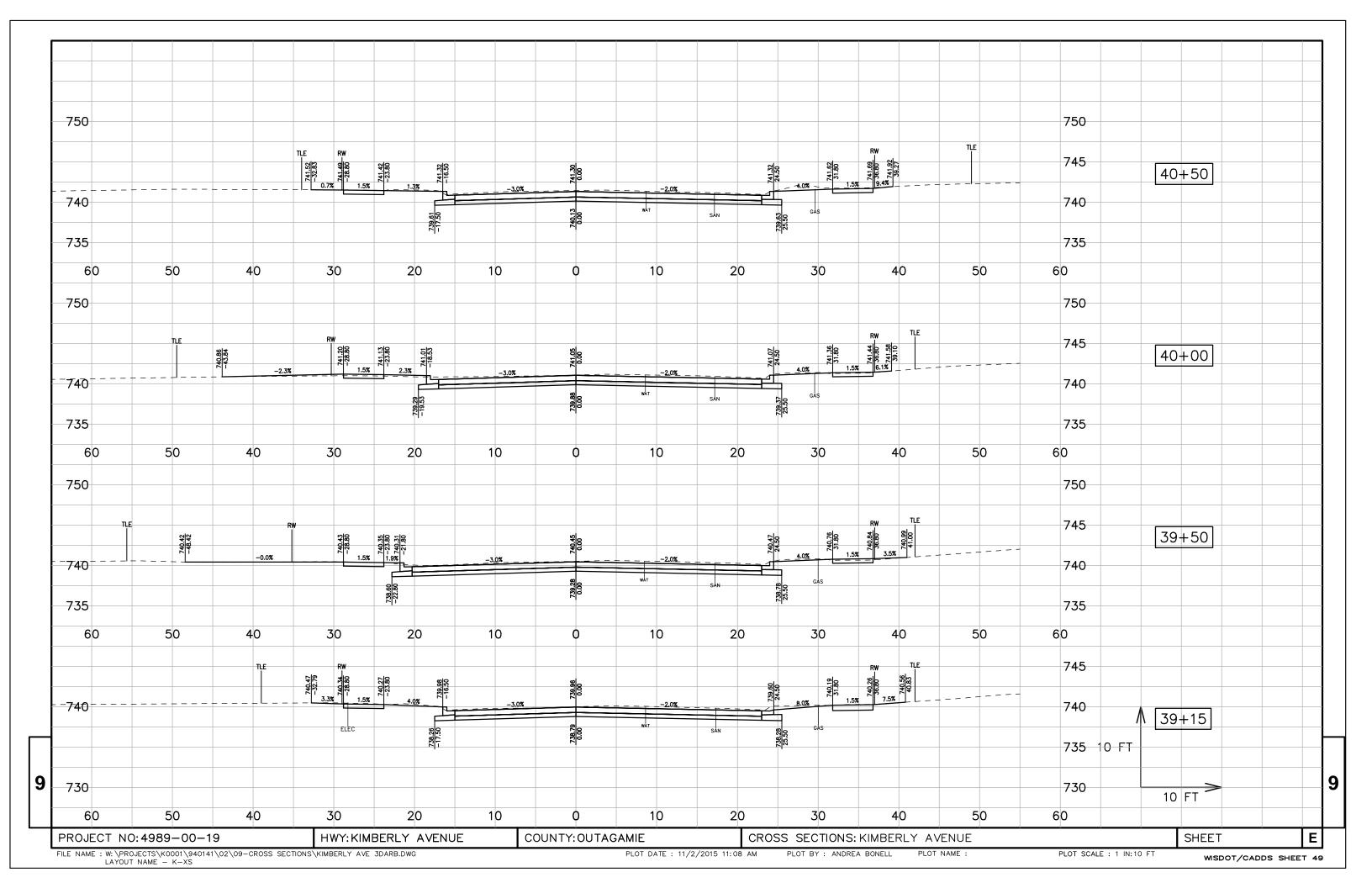


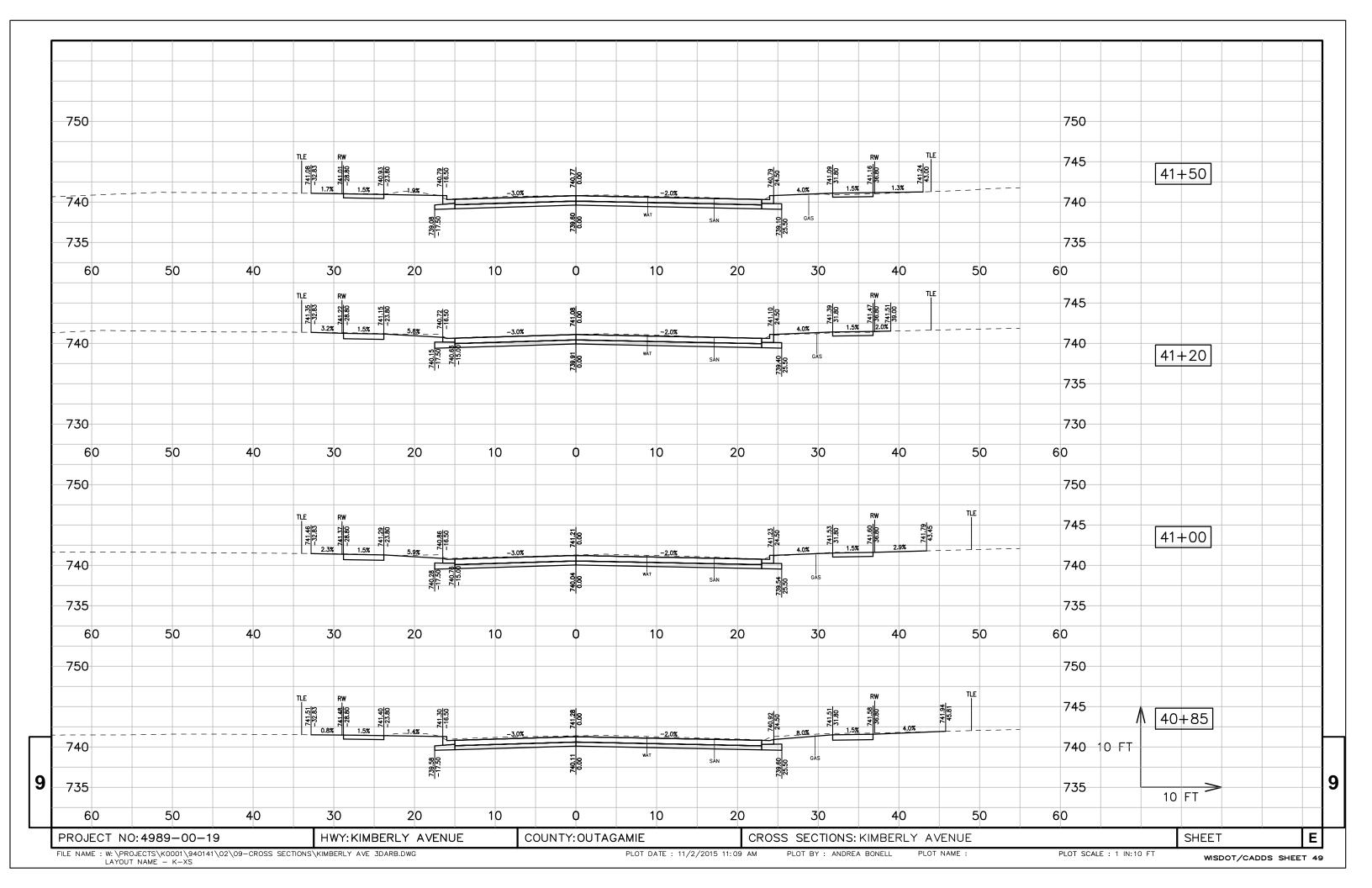


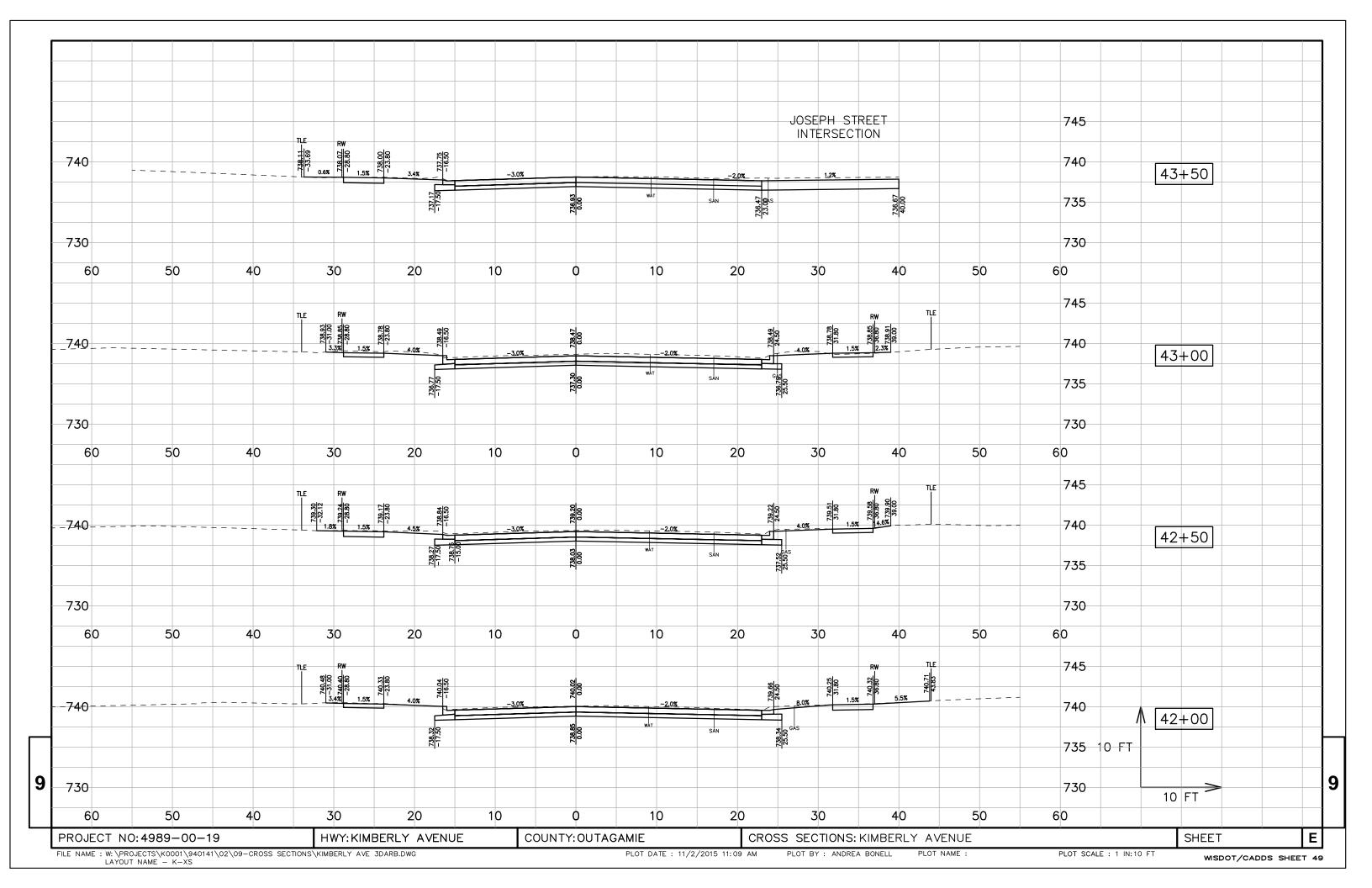


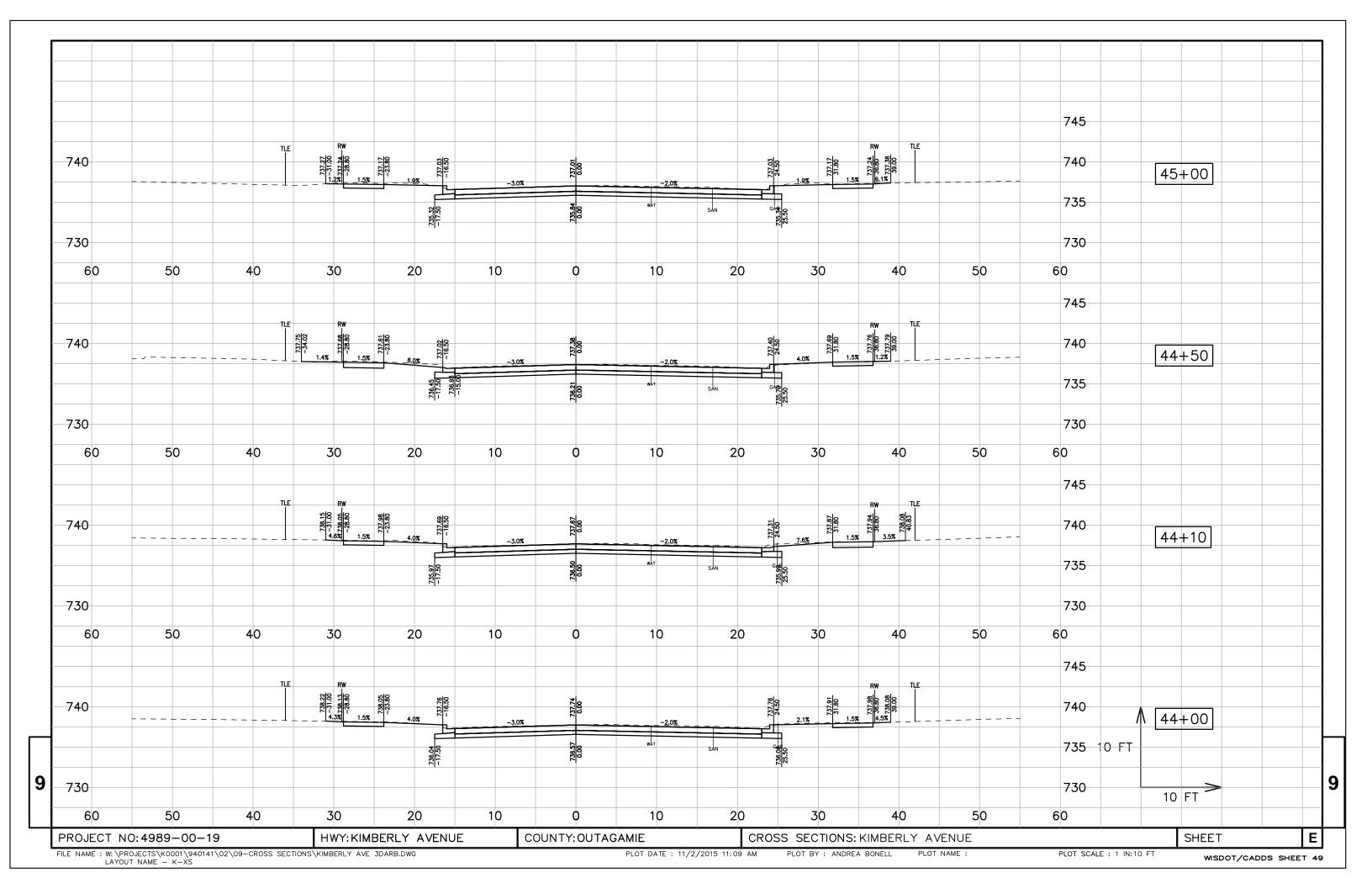


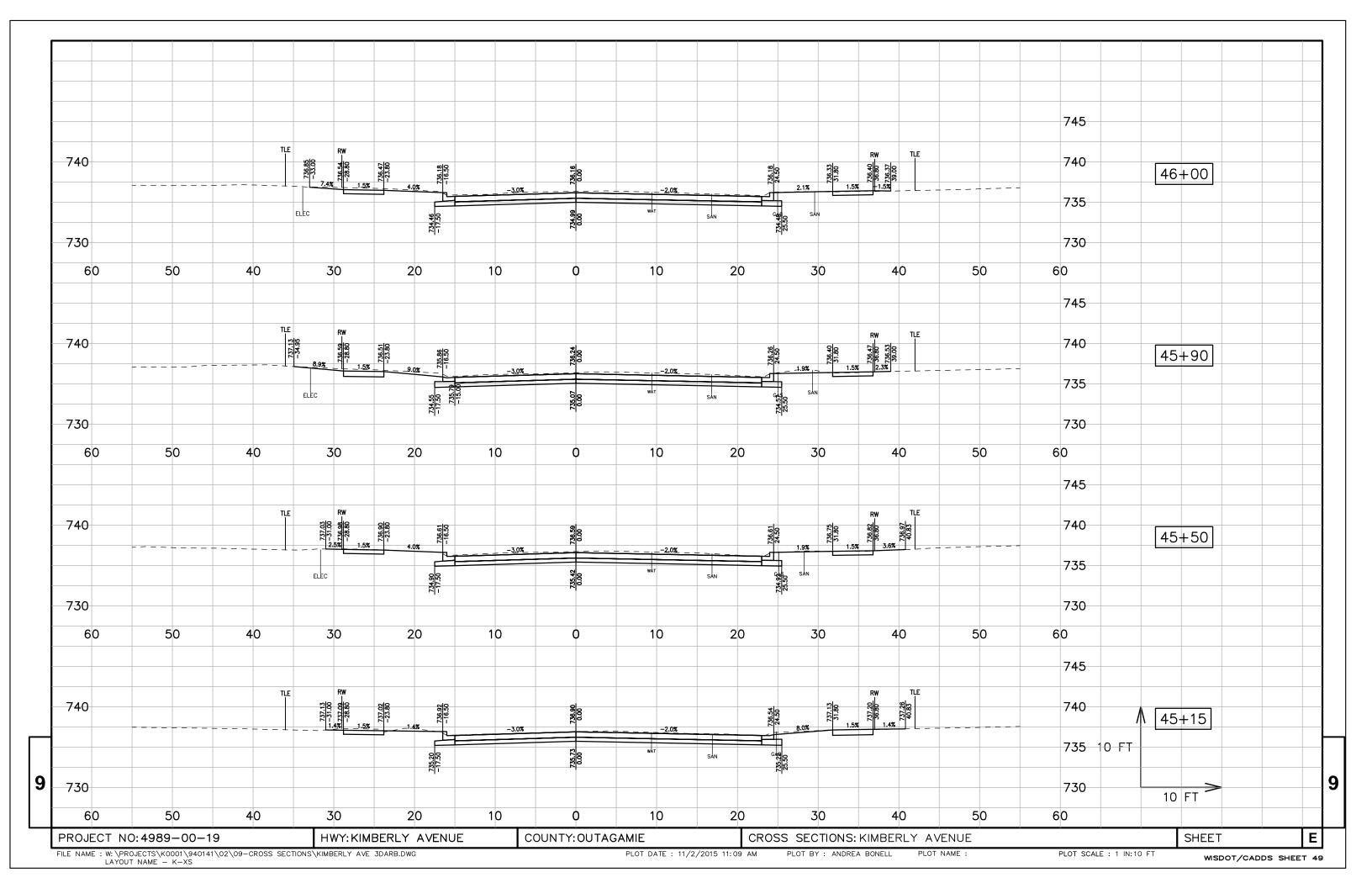


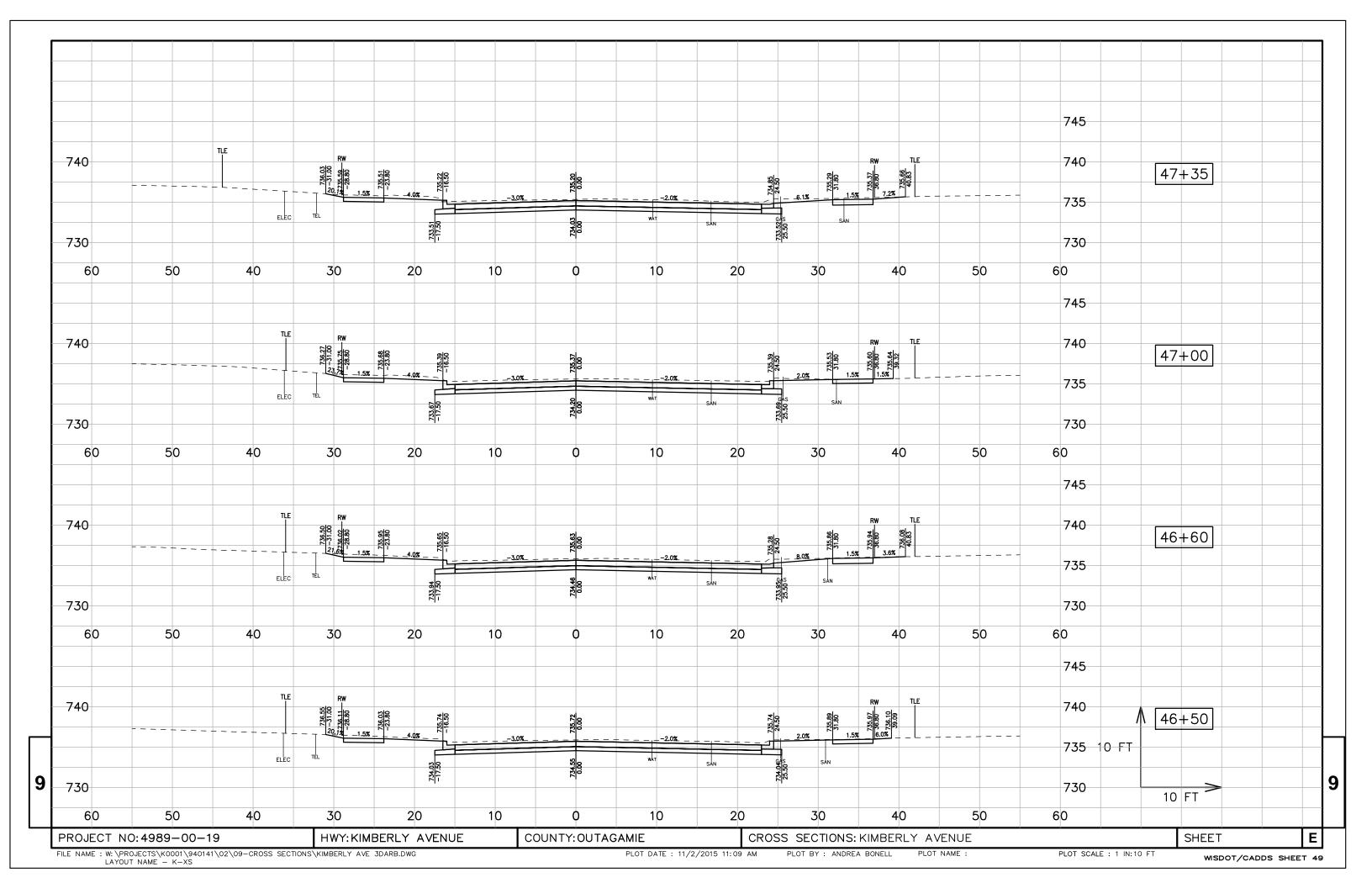


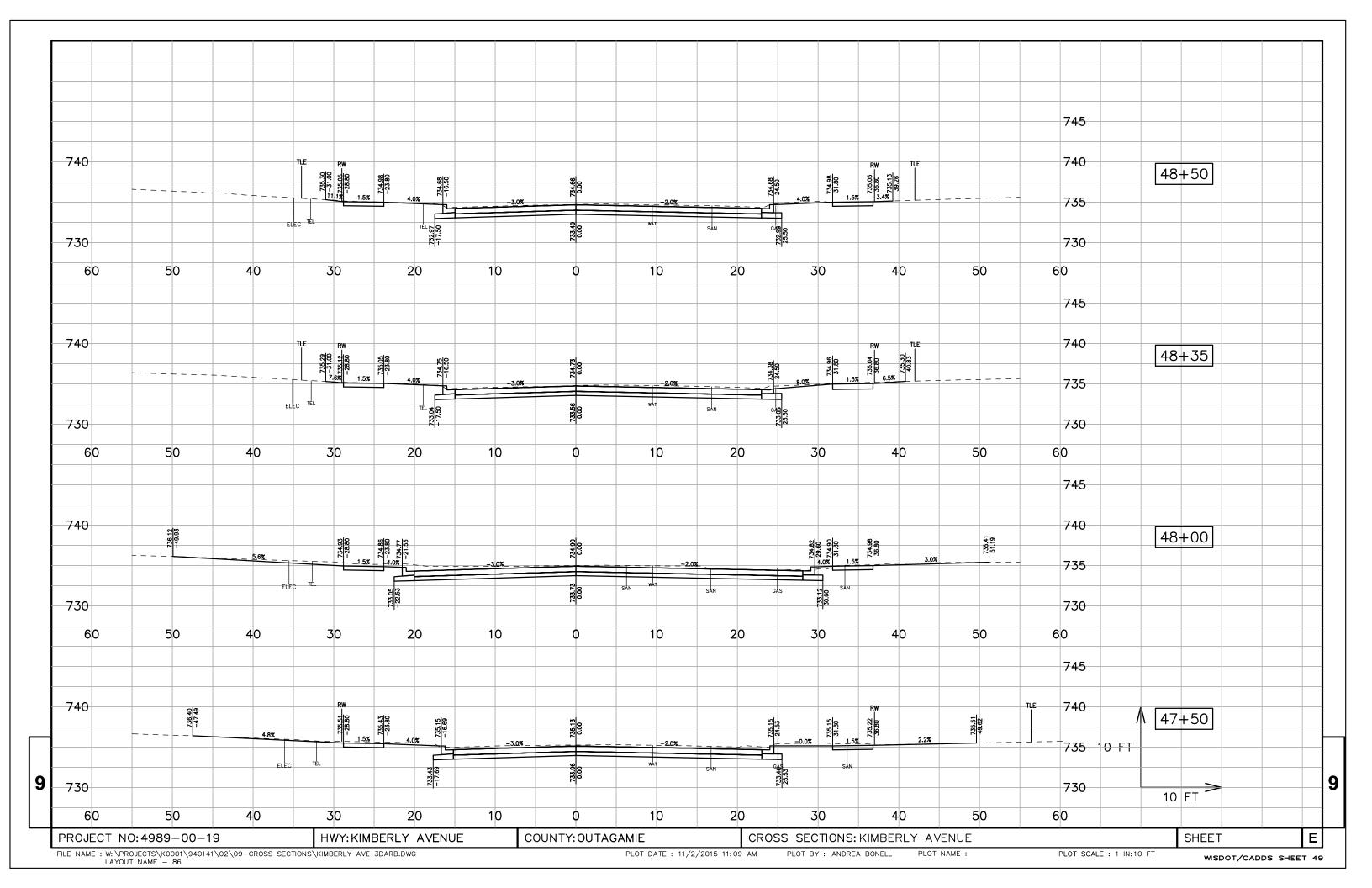


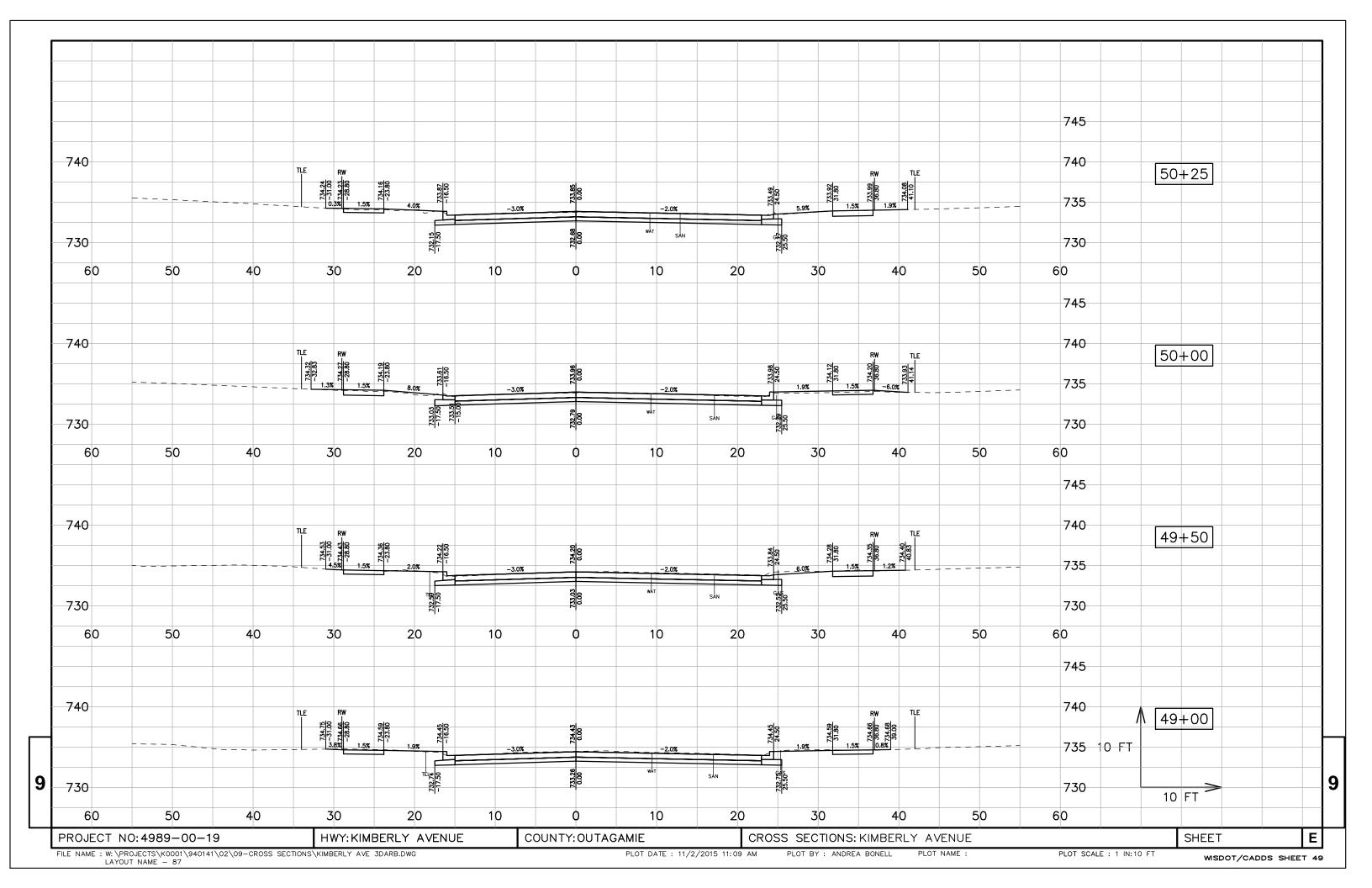


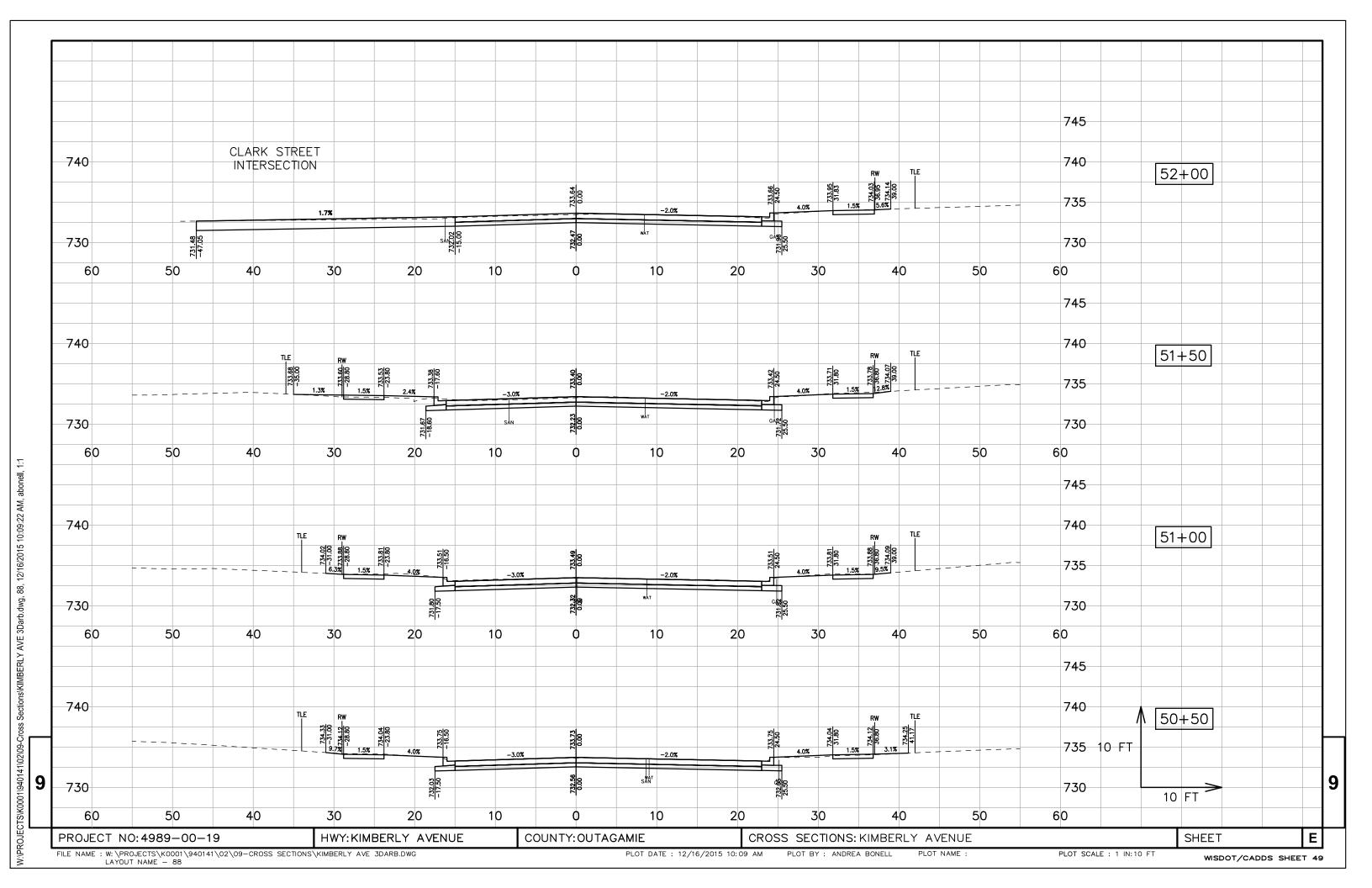


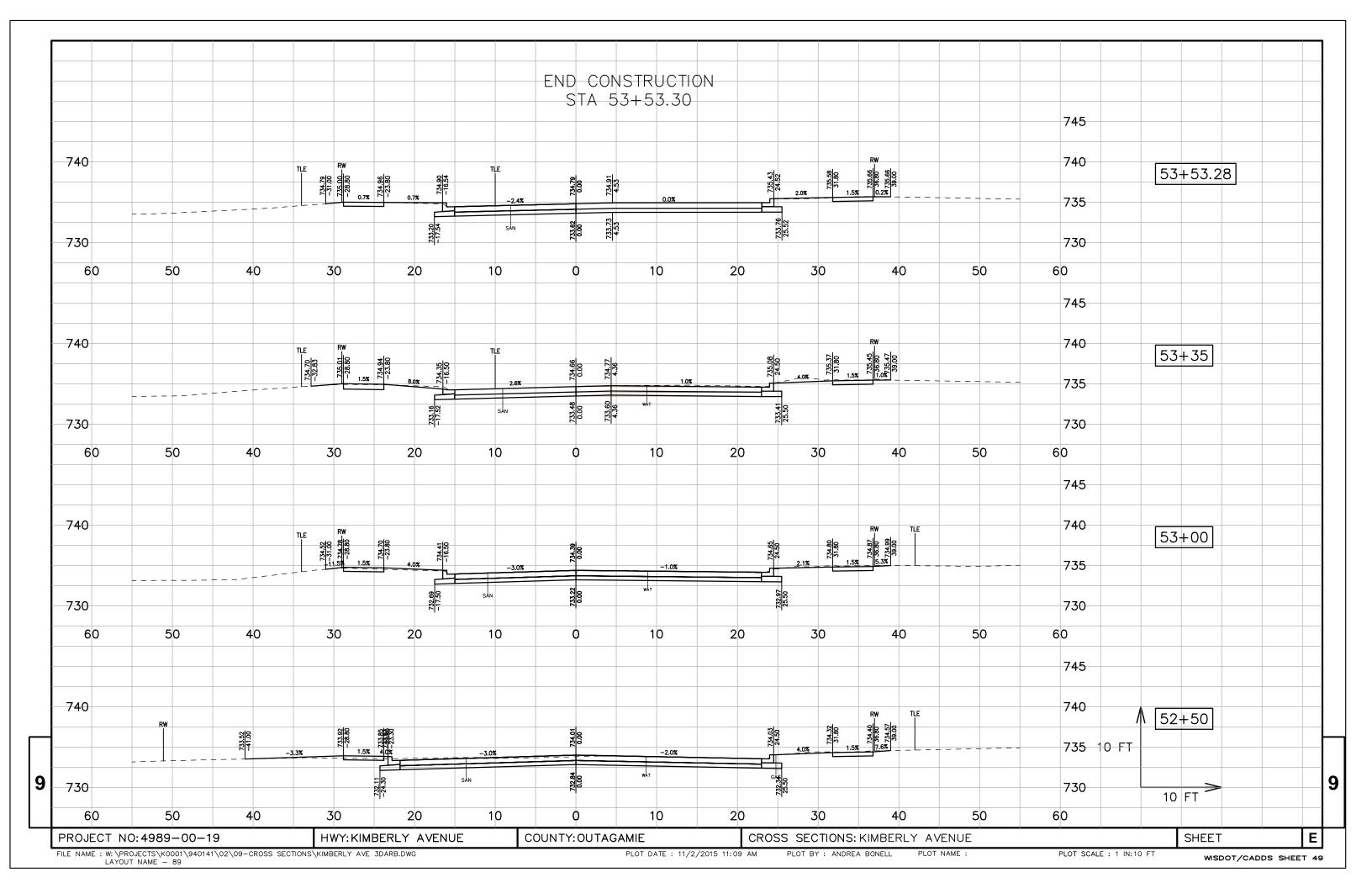


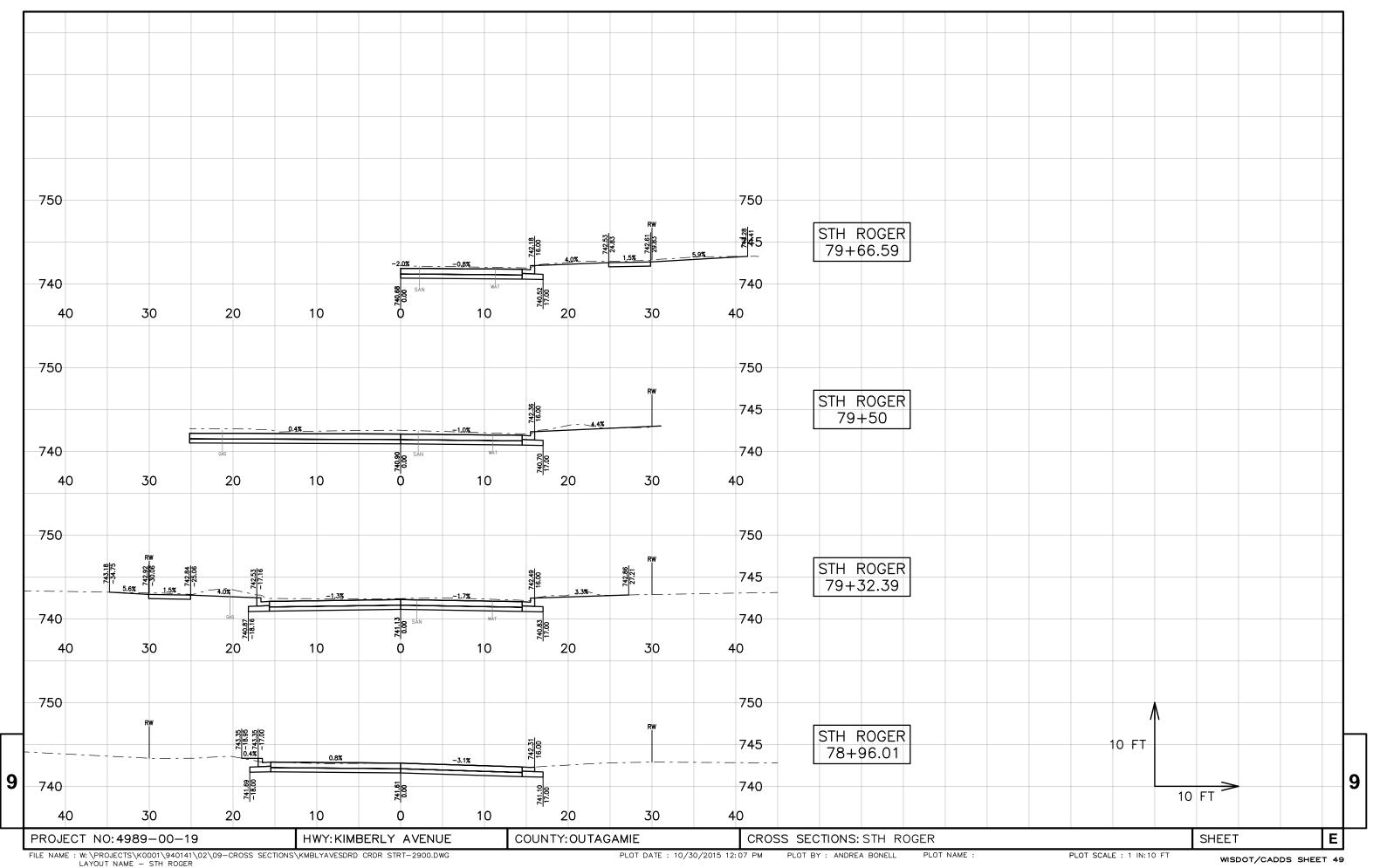


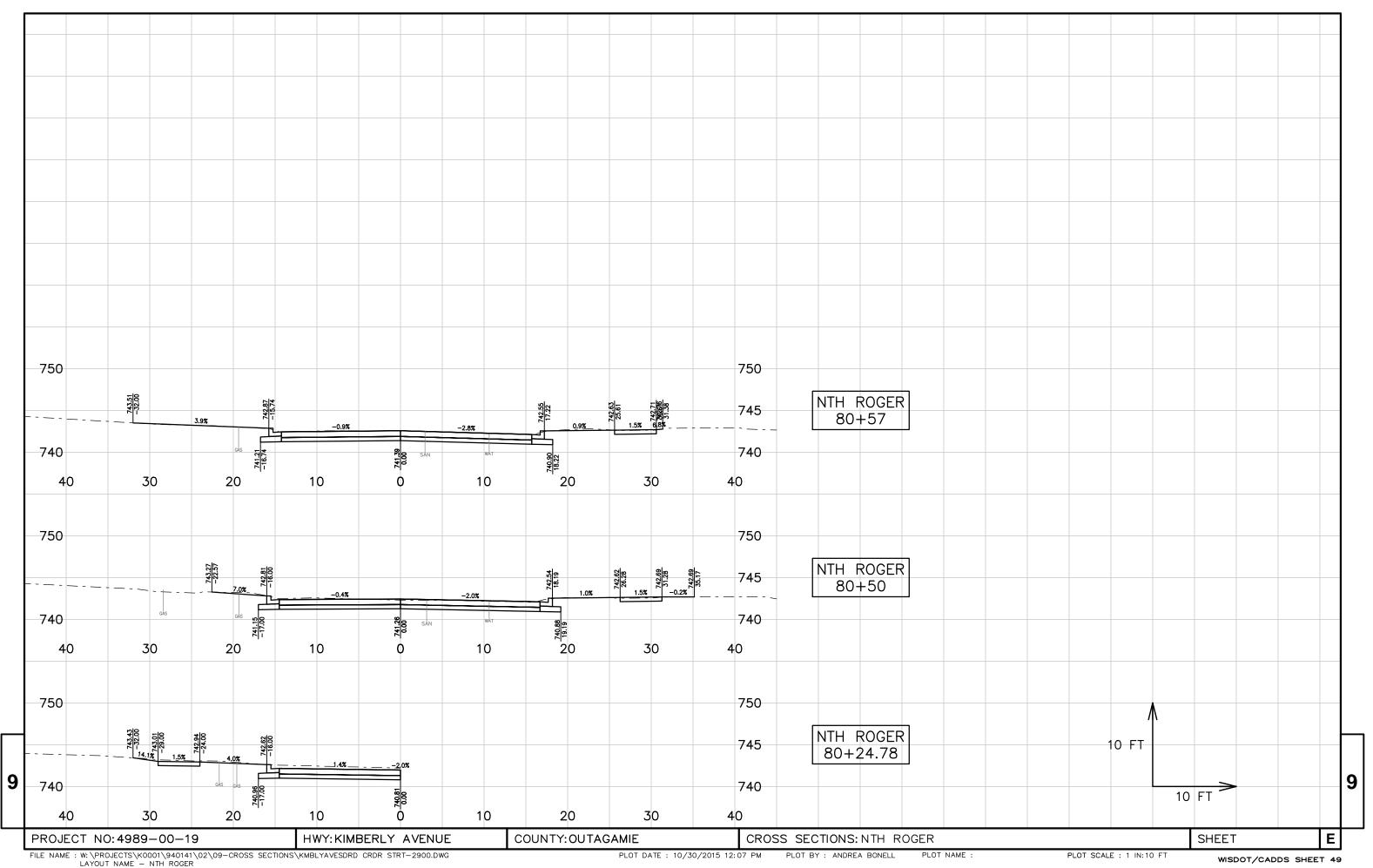


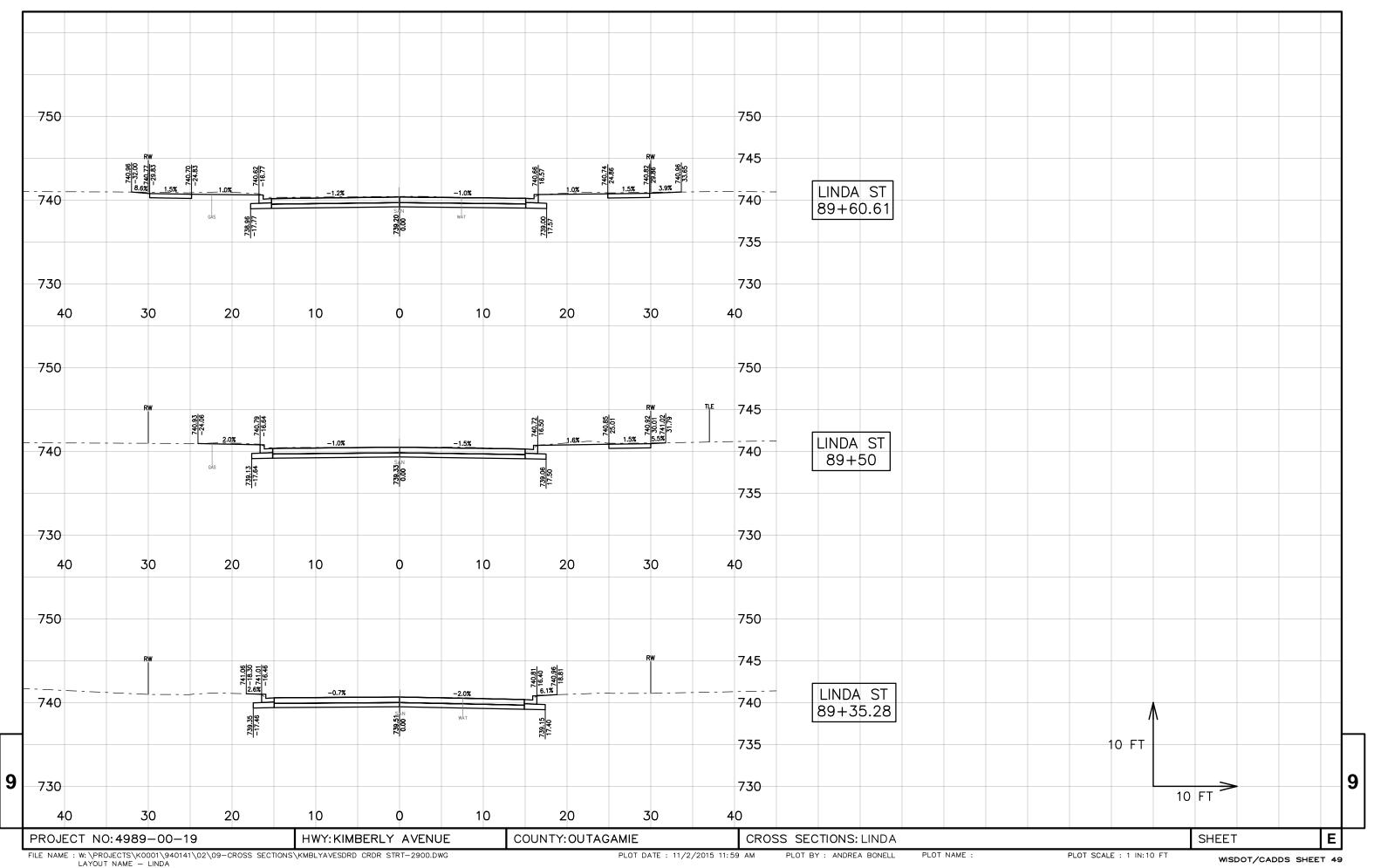


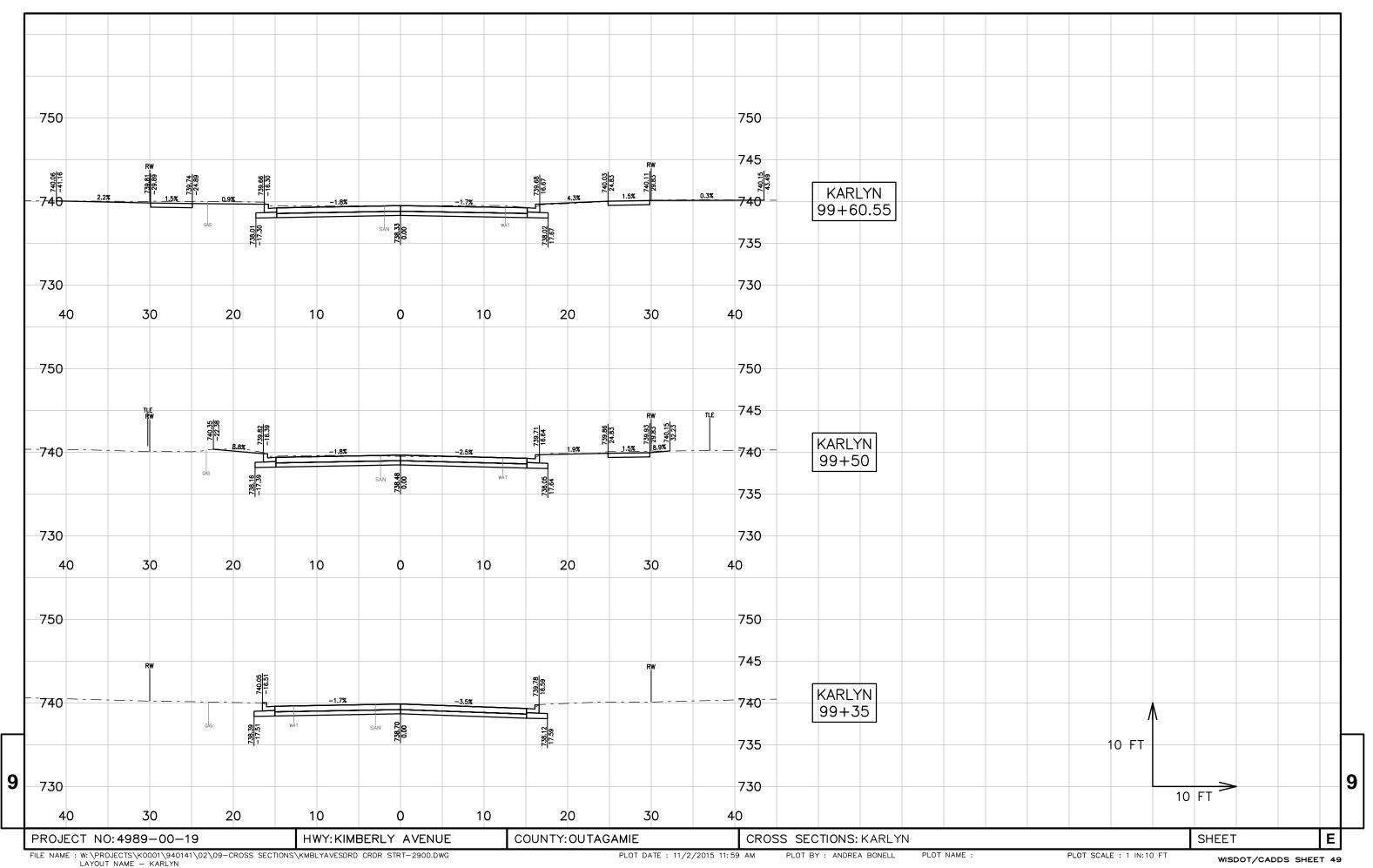


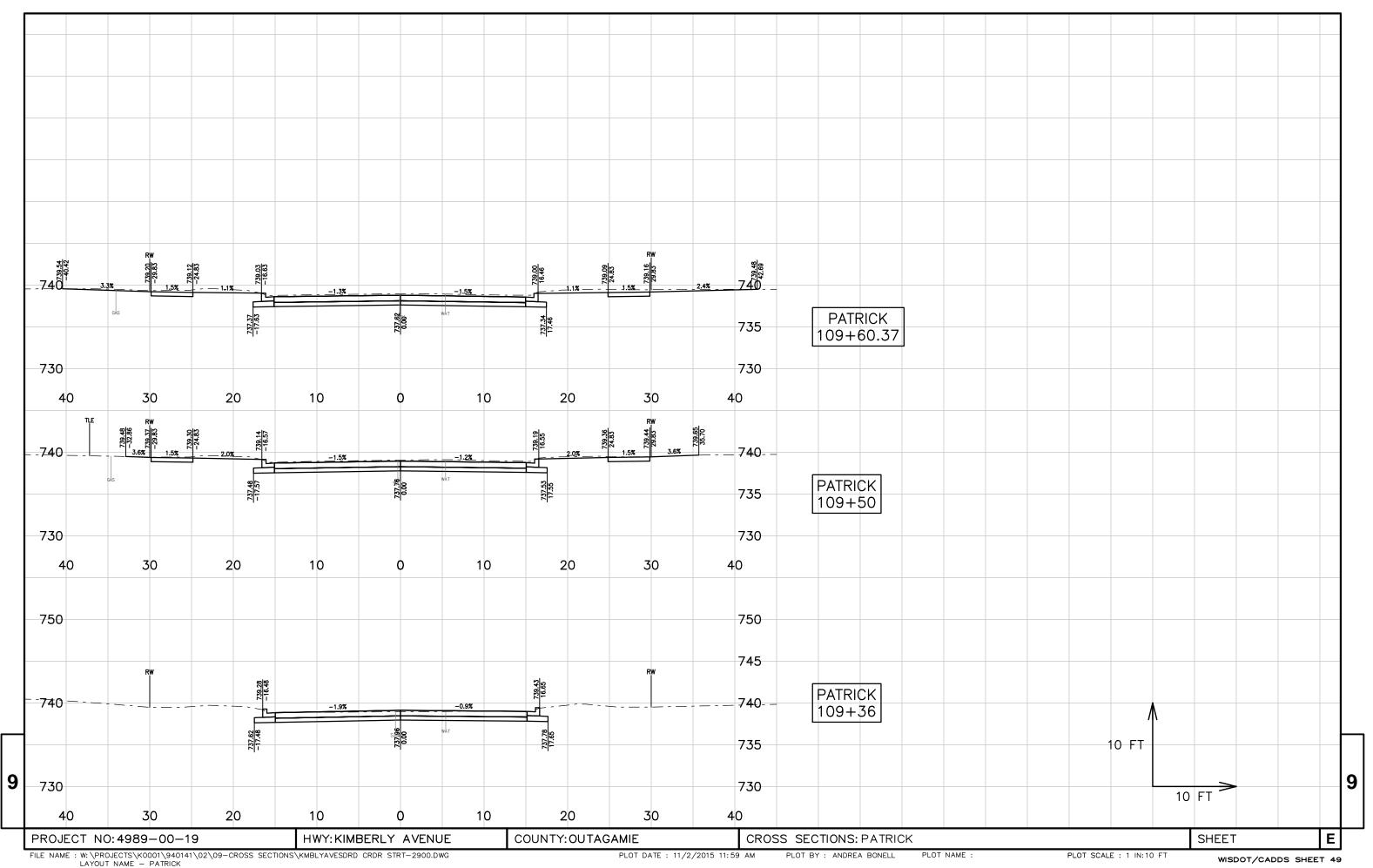


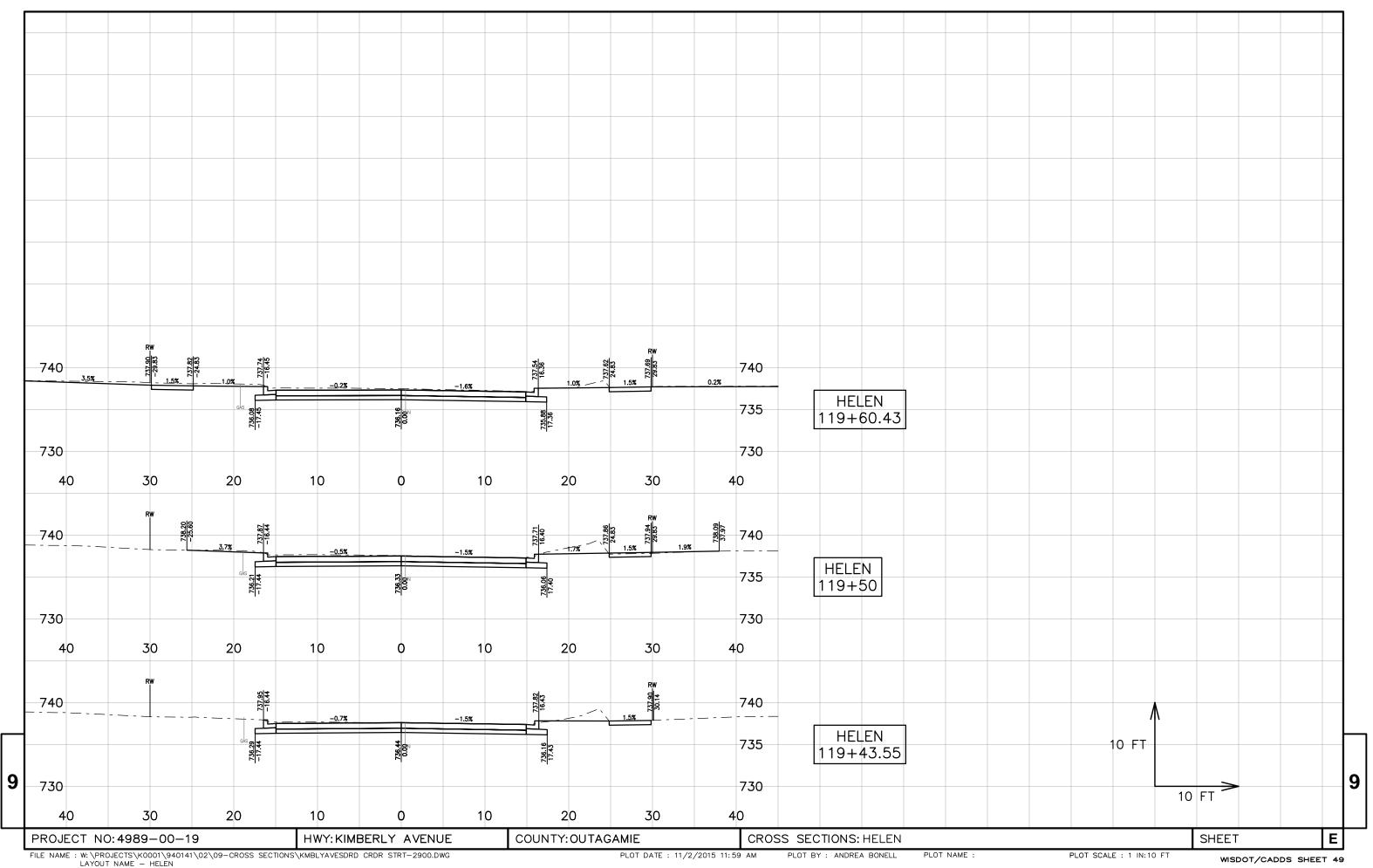


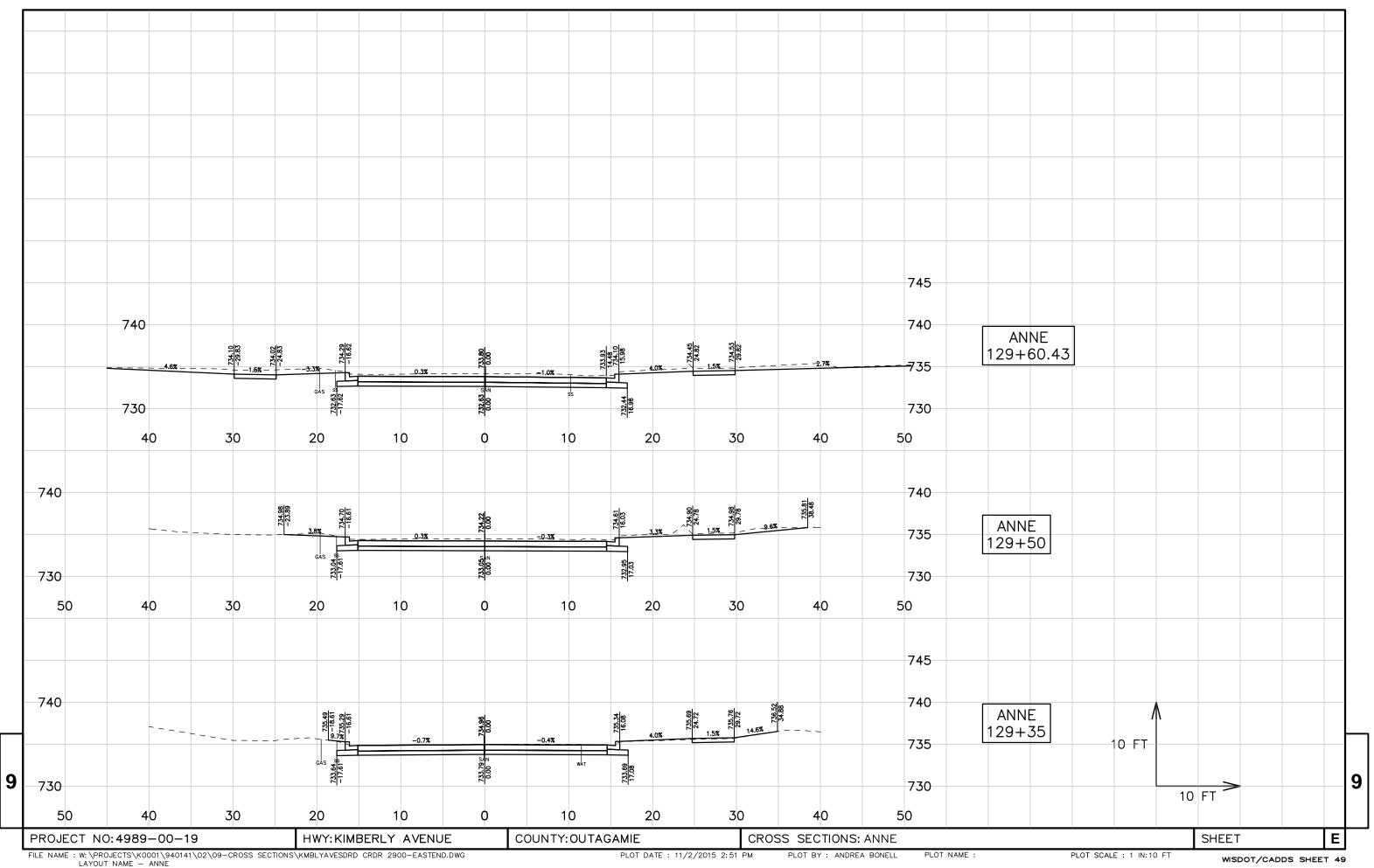


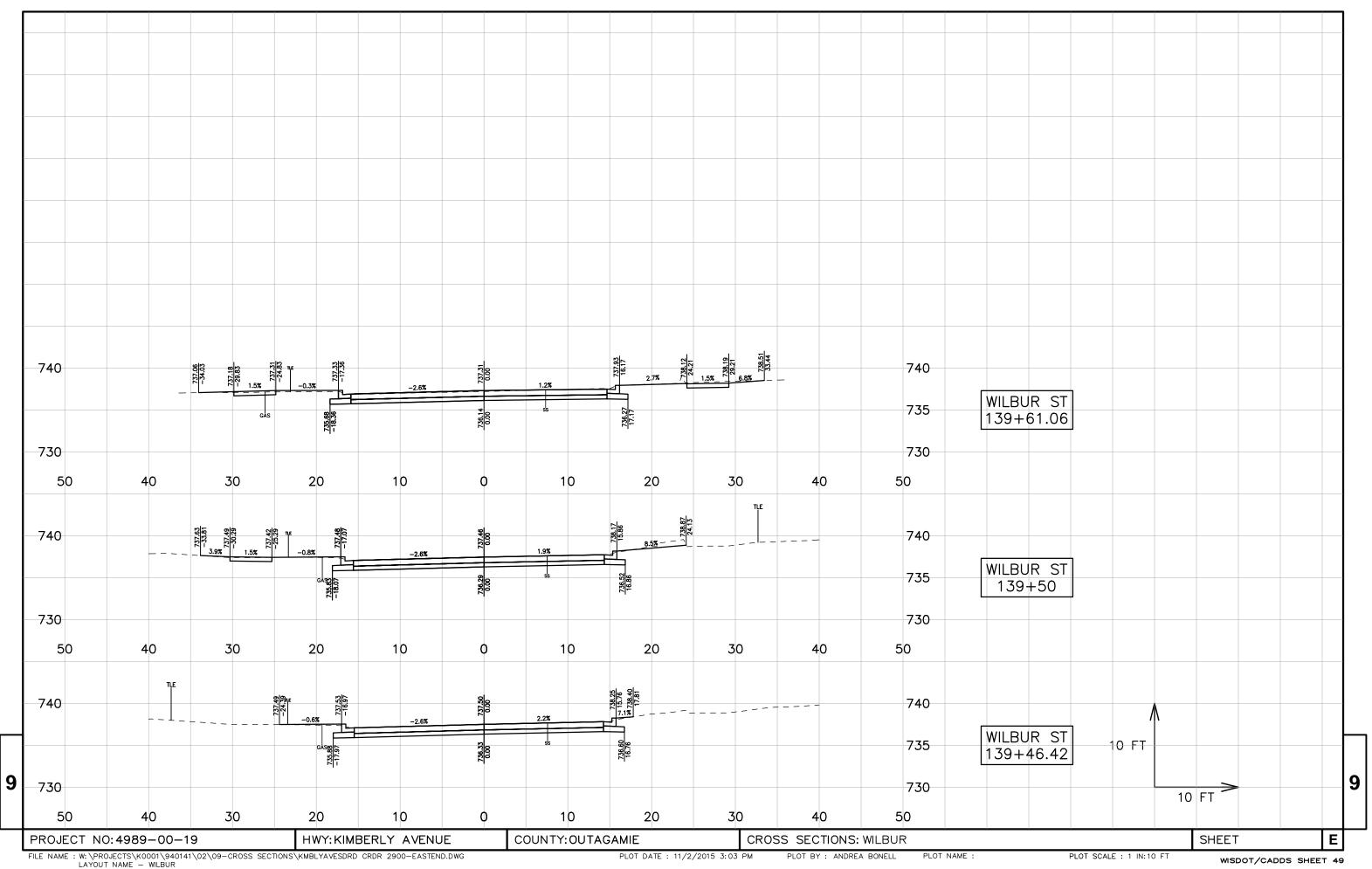


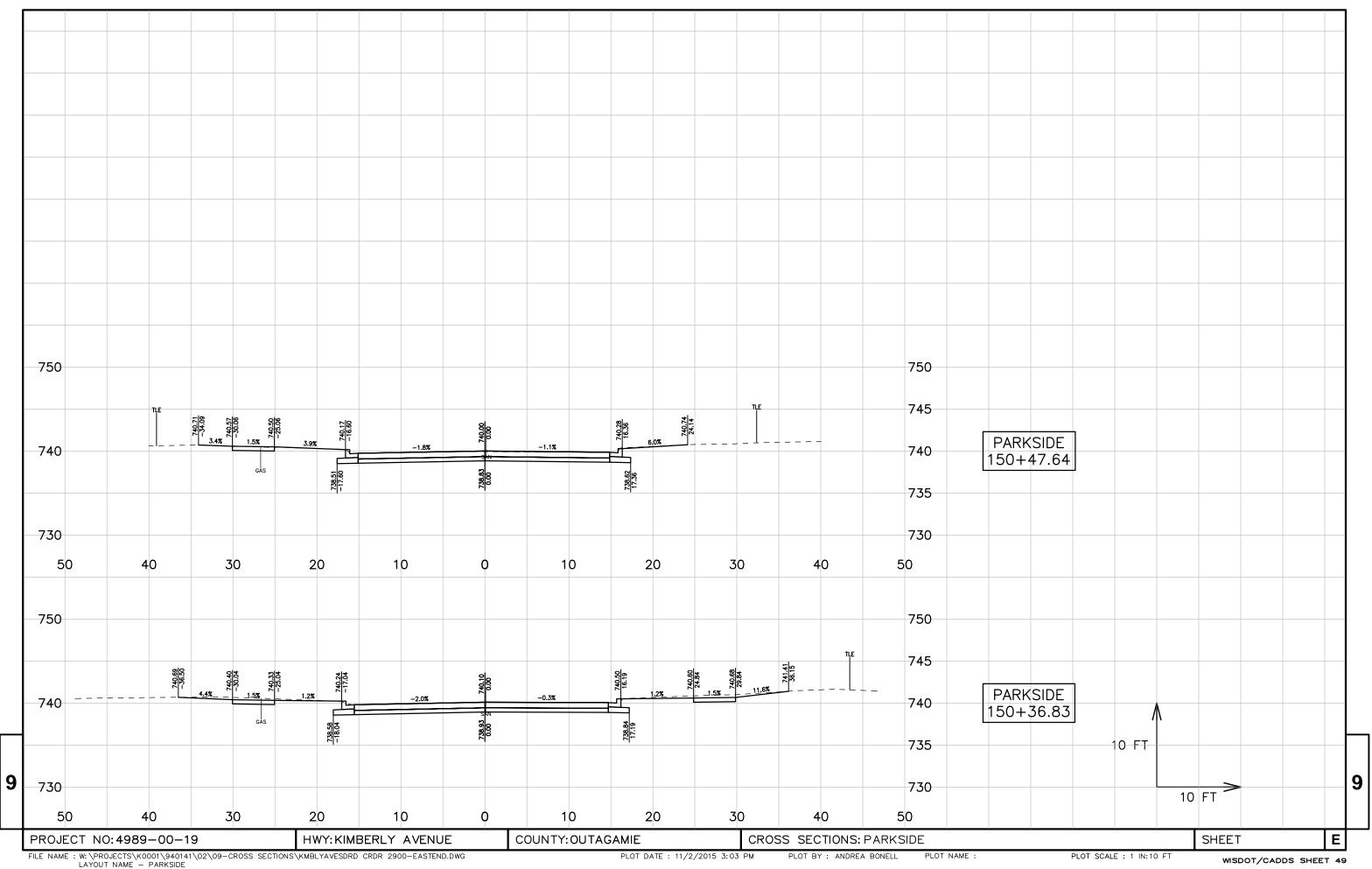


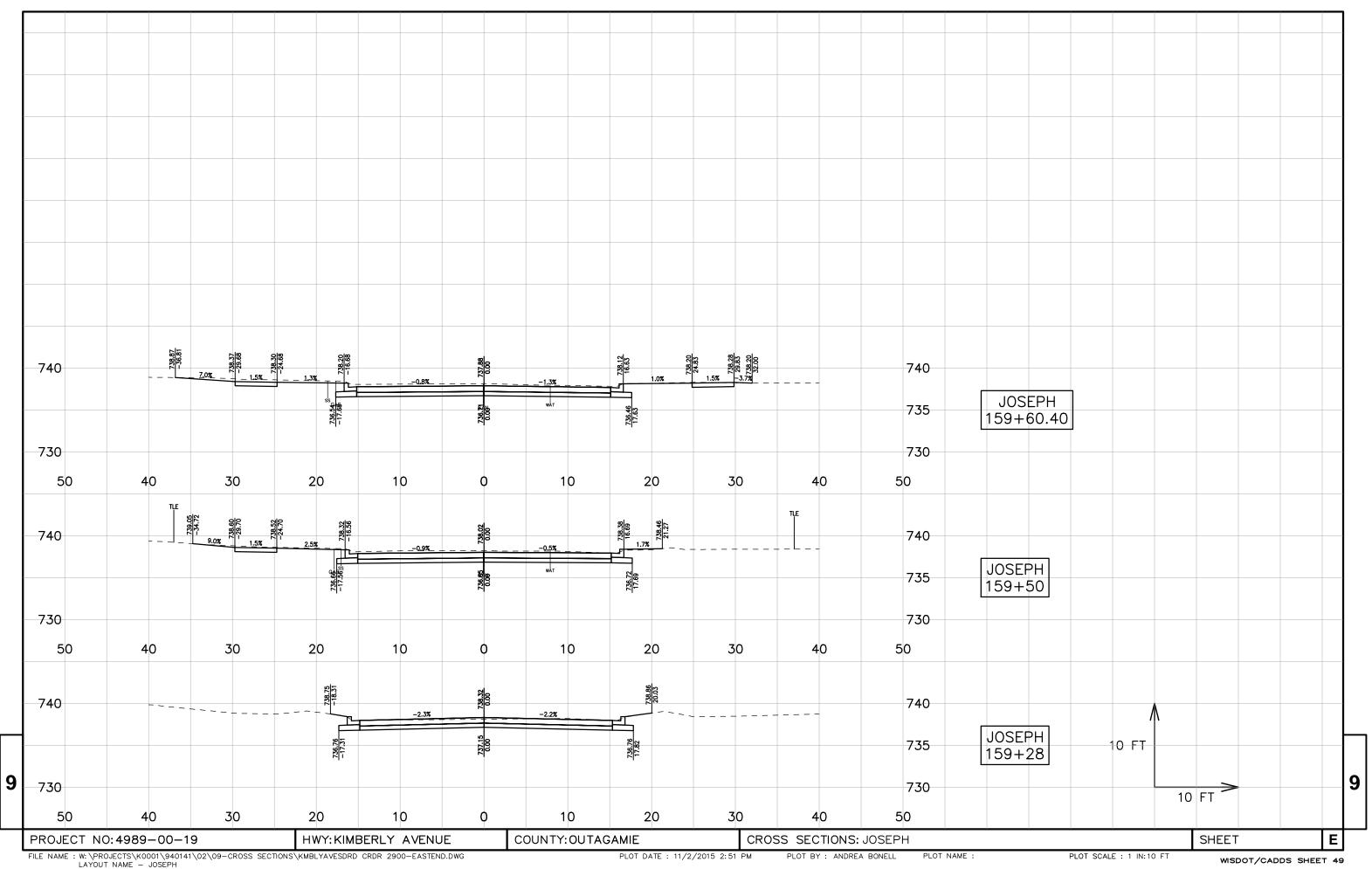


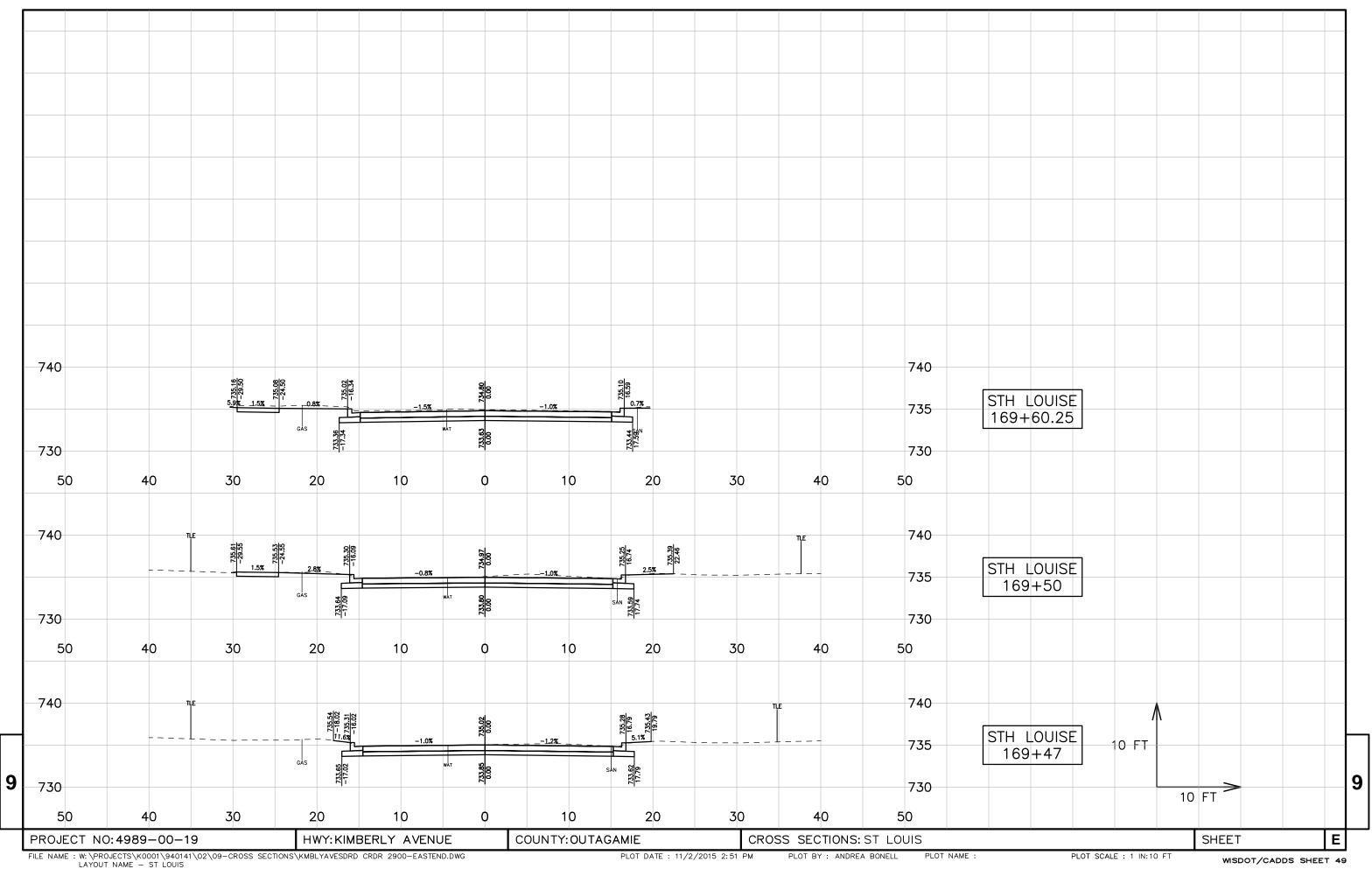


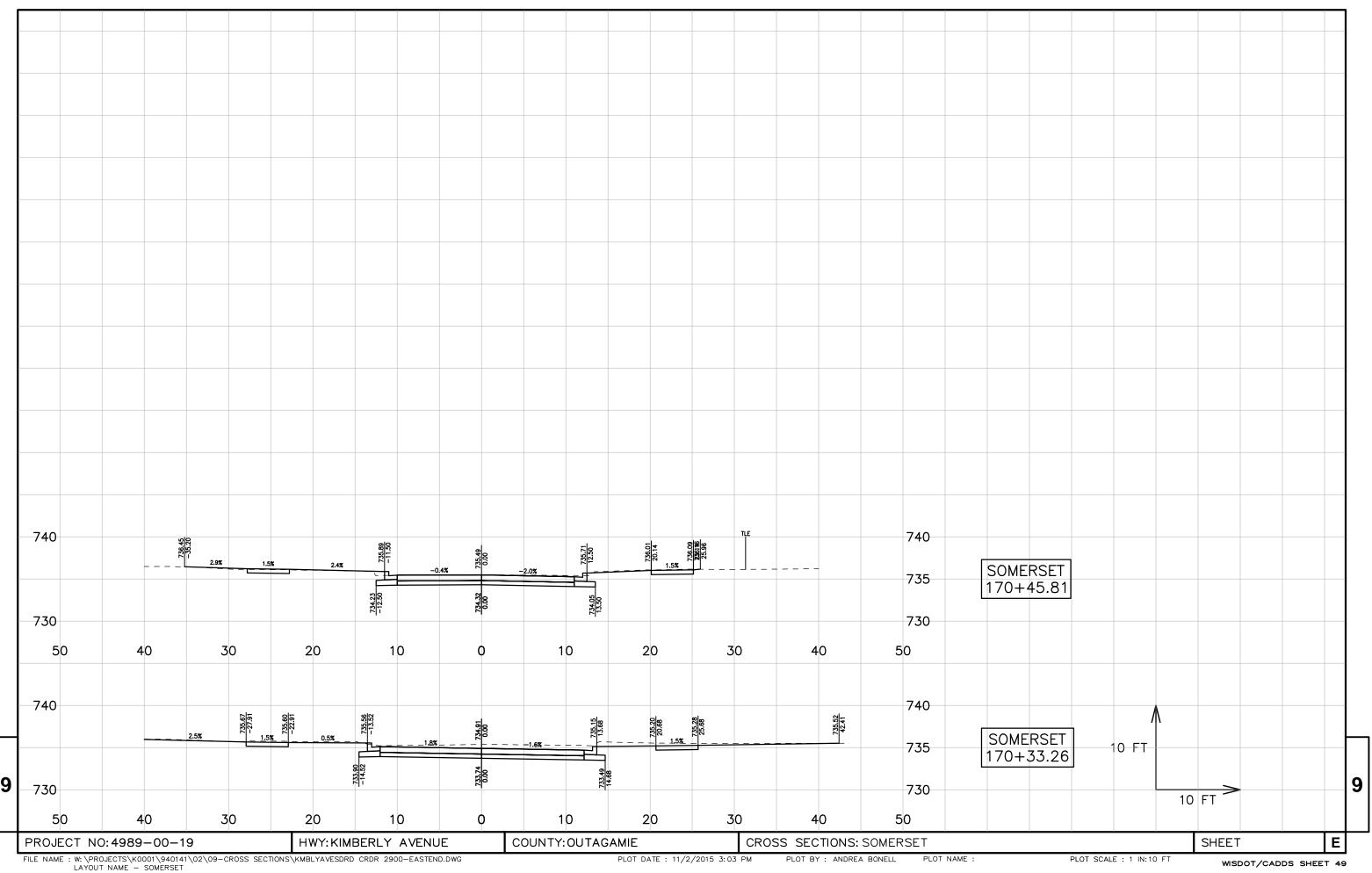












Notes



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