

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 2707-04-70 WISC 2013340

> Accepted For City of Milwaukee

Commissioner of Public Works

Original Plans Prepared By



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor __

City of Milwaukee City of Milwaukee Designer _ Mohammad Hossain Project Manager Region Examiner Reem Shahin Region Supervisor ...

C.O. Examiner _

TO CONVERT ELEVATIONS SHOWN ON THIS PLAN TO NATIONAL GEODEDIC VERTICAL DATUM OF 1929, ADD 580.603 TO ELEVATIONS SHOWN ON THIS PLAN.

1/4 MI.

TOTAL NET LENGTH OF CENTERLINE . 0.062 MI (URBAN)

APPROVED FOR THE DEPARTMENT

-oxfollow

GAS OR WATER GATE VALVE

MANHOLES - SEWER O UTILITY (TYPE)

TREES - EXISTING () TO BE REMOVED ()

GRADE LINE

ORIGINAL GROUND

GRADE ELEVATION

GENERAL NOTES

ALL OPENINGS BELOW SUBGRADE, RESULTING FROM REMOVALS OR ABANDONMENTS, SHALL BE BACKFILLED WITH GRANULAR MATERIAL TO SUBGRADE ELEVATION.

WHEN THE QUANTITY OF ITEMS OF BASE AGGREGATE & / OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF MATERIALS AS DIRECTED BY THE ENGINEER.

ALL ELEVATIONS ARE REFERENCED TO CITY OF MILWAUKEE DATUM.

TRANSVERSE JOINTS IN THE CONCRETE WALK SHALL BE CONSTRUCTED AT INTERVALS EQUAL TO THE WIDTH OF THE CONCRETE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGER'S HOTLINE AND ALL UTILITIES IN THE VICINITY OF THE PROJECT TO LOCATE THEIR FACILITIES AT LEAST THREE DAYS PRIOR TO BEGINNING WORK.

ALL COORDINATES SHOWN ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE SYSTEM, SOUTH ZONE. THE CONTROL SURVEY FOR THIS IMPROVEMENT PROJECT WAS CONDUCTED UNDER AND MET SPECIFICATIONS FOR THIRD ORDER CONTROL CURVEYS.

REPLACE ALL CONCRETE CURB AND GUTTER INDICATED FOR REMOVAL AND REPLACEMENT IN EXISTING LOCATION UNLESS OTHERWISE NOTED ON PLAN.

ALL RADIUS DIMENSIONS TO CURB AND GUTTER SHOWN ON THE PLAN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

INLET SCREENS ARE TO BE PLACED BETWEEN THE FRAME AND GRATE OF CATCH BASINS / INLETS TO PREVENT SOIL FROM ENTERING THE SEWERS.

UTILITIES WITHIN PROJECT LIMITS

CITY OF MILWAUKEE 841 N. BROADWAY, RM 710 MILW., WI 53202 ANTHONY KOTECKI TEL. (414) 286-2433 UTILITY COORDINATOR

WE ENERGIES (GAS) 5400 N. GREEN BAY AVE., MILW., WI 53209 TOM MINESAL, TEL. 944-5755

WE ENERGIES (ELECTRIC) 620 S. 76TH ST., MIO2, MILW., WI 53214 CURT DAWKINS, TEL. (414) 540-5782

772 I W. FOND DU LAC AVE. FL. I, MILW., WI 532 I8 TODD BARTELS, TEL. (414) 536-2971

TIME WARNER CABLE 1320 N. DR. MARTIN LUTHER KING JR. DR LUKAS LACROSSE, TEL. (414) 430-9321 (414)277-0638 9FAX)

AMERICAN TRANSMISSION COMPANY PATRICIA ELLIFSON W234 N2000 RIDGEVIEW PARKWAY CT. WAUKESHA, WI 53188 TEL. (262) 506-6773 pellifson@atcllc.com

OTHER CONTACTS

MILW. CO. TRANSIT SYSTEM 1942 N. 17TH ST., MILW., WI 53205 DAVE ZIAREK, TEL. (414) 343-1764

STATE OF WISCONSIN DEPT. OF NATURAL RESOURCES 2300 N. DR. MARTIN LUTHER KING JR. DR. KRISTINA BETZOLD, TEL. (414) 263-8517, FAX (414) 263-8483

CITY OF MILWAUKEE 841 N. BROADWAY, RM 902 MILW., WI 53202 RATTAN MAHAY. DESIGN TEL. (414) 286-0486

STATE OF WISCONSIN DEPT. OF TRANSPORTATION 141 NW BARSTOW ST.-WAUKESHA, WI 53188 MOHAMMAD HOSSAIN, PROJECT MANAGER TEL. (262) 548-8783



Call 811 3 Work Days Before You Dig Or Toll Free (800) 242-8511 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

STANDARD ABBREVIATIONS

B.M. BENCH MARK CTR. - CENTER - CENTER LINE C/I - COMBINED COMB. - CONCRETE CONC. - CONCRETE WALK C.W. COR. - CORNER - CURB - ELEVATION ENTRANCE EXIST. - FXISTING - FLANGE - GUTTER, OR GAS HYD. - HYDRANT

> - LEFT - MILWAUKEE METROPOLITAN SEWERAGE DISTRICT MMSD

LT.

- PROPERTY LINE P/L.

R OR RAD. - RADIUS RET. RETAINING RT. - RIGHT

R/W RIGHT OF WAY TEL

TRAFFIC ENGINEERING, TES AND ELECTRICAL SERVICES

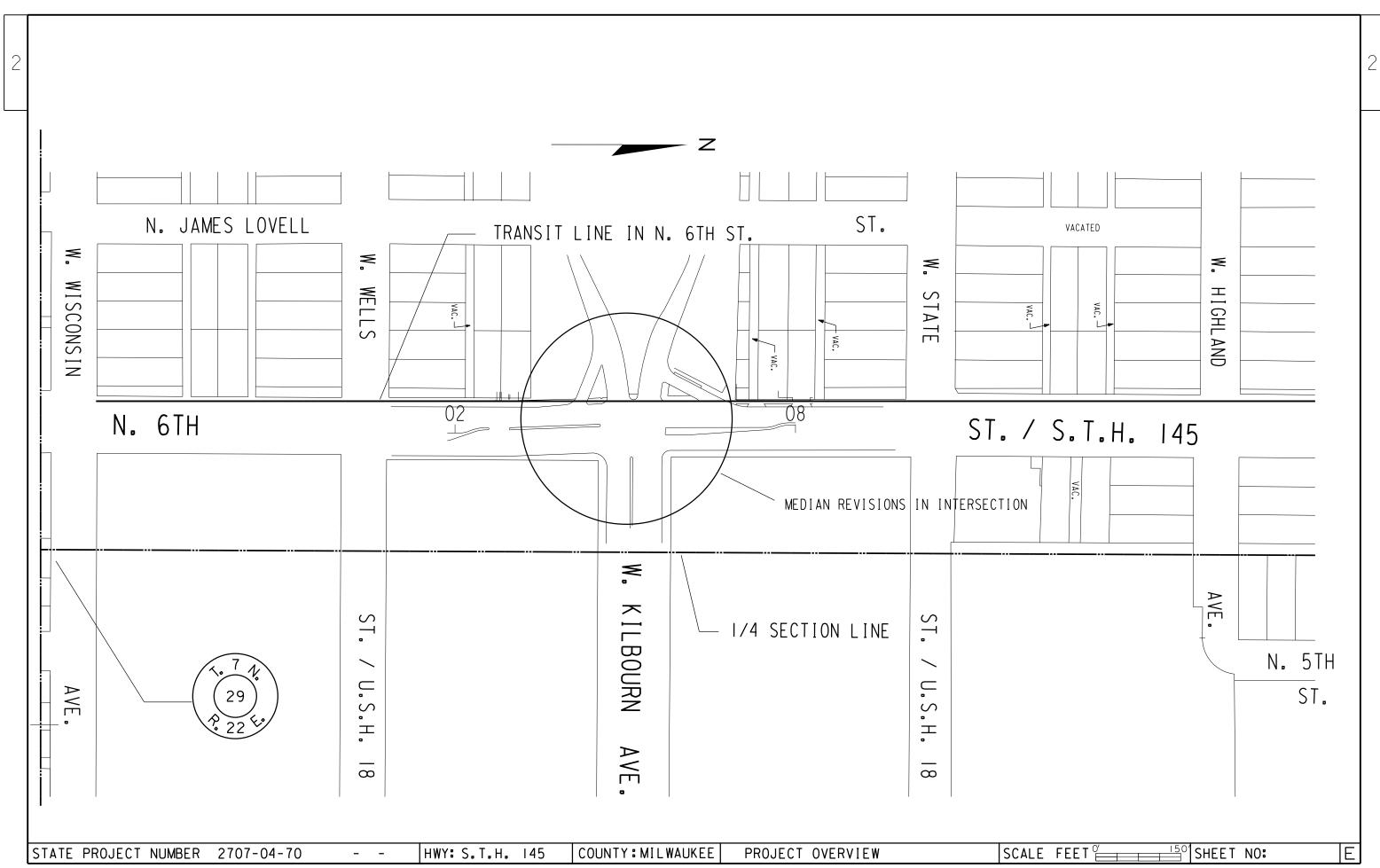
TRANSIT LINE

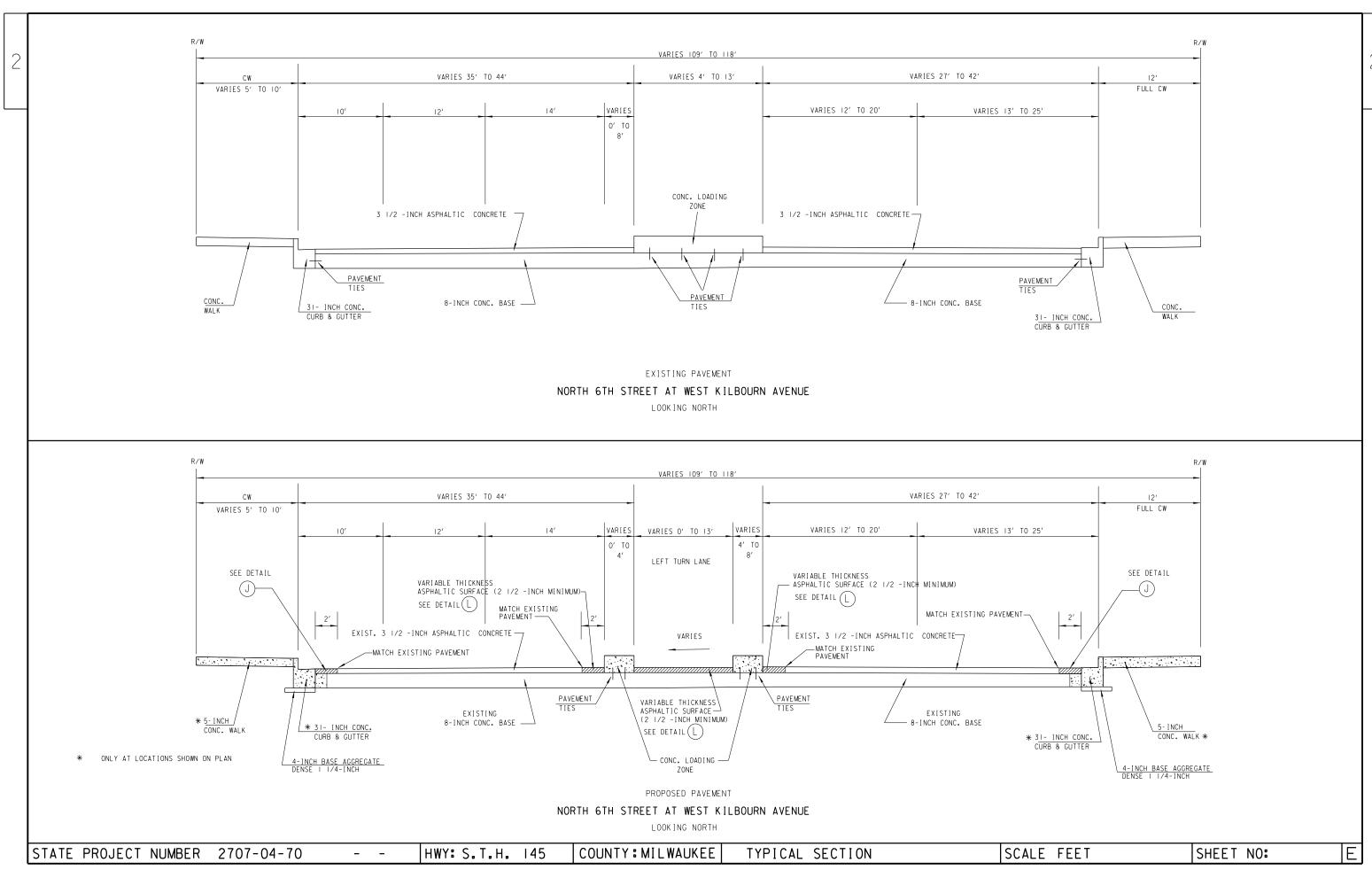
- WISCONSIN ELECTRIC POWER

SECTION 2 SHEET ORDER

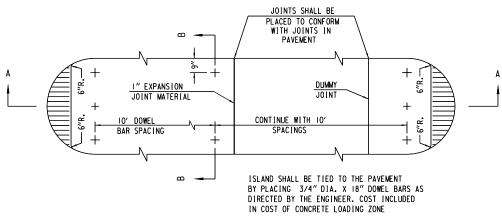
GENERAL NOTES PLAN OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS PLAN DETAIL DRAINAGE DETAILS UTILITIES PAVEMENT MARKINGS TRAFFIC CONTROL

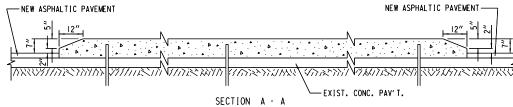
SCALE FEET SHEET NO:

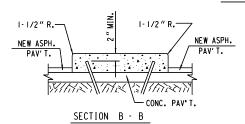










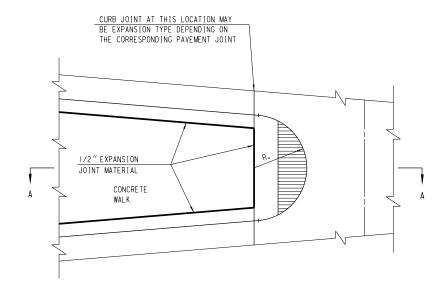


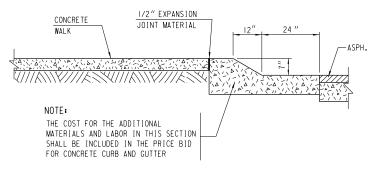
NOTE:
SIZE AND LOCATION OF CITY OF MILWAUKEE
ELECTRICAL SERVICES BOXOUTS IN CONCRETE
ISLANDS ON BASE TO BE DETERMINED IN FIELD
AT THE TIME OF CONSTRUCTION

REMOVE ALL EXISTING ASPHALT TO EXPOSE EXISTING CONCRETE BASE BEFORE ATTACHING CONCRETE LOADING ZONE.

CONCRETE LOADING ZONE (WITH SNOWPLOWABLE NOSE)

(G)



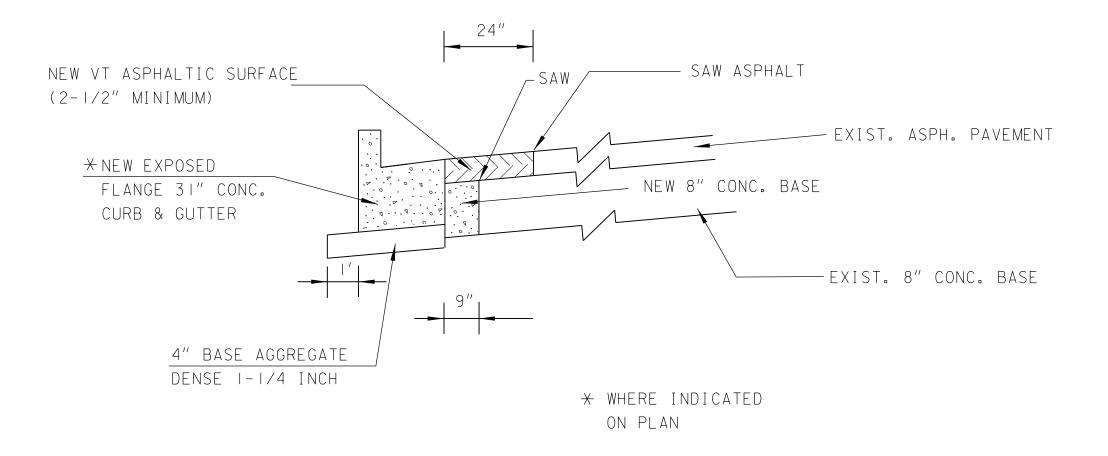


SECTION A-A

SNOWPLOWABLE MEDIAN ISLAND NOSE

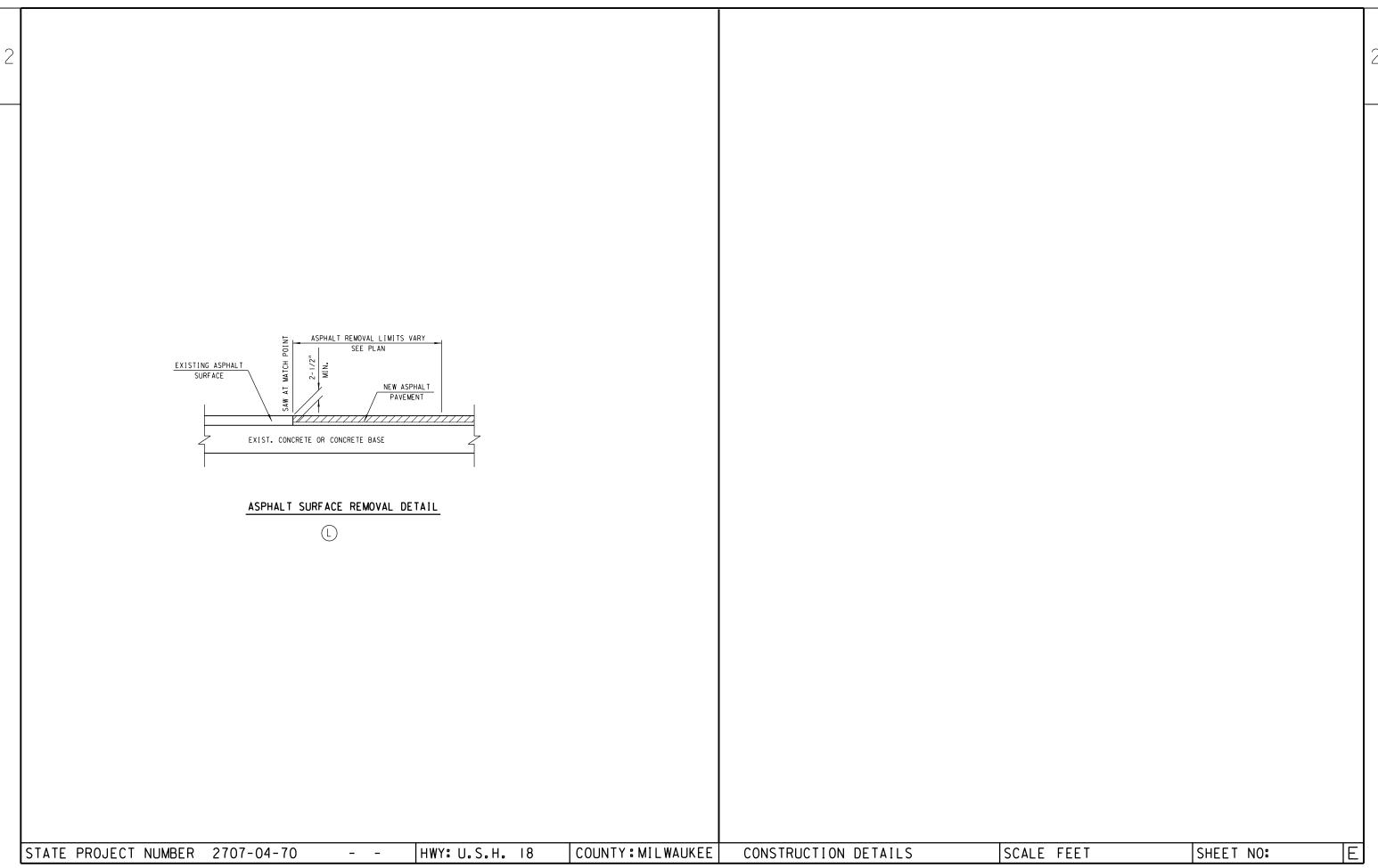
(TYPICAL SECTION OF CONCRETE CURB & GUTTER TO BE CONSTRUCTED AT END OF MEDIAN ISLAND)

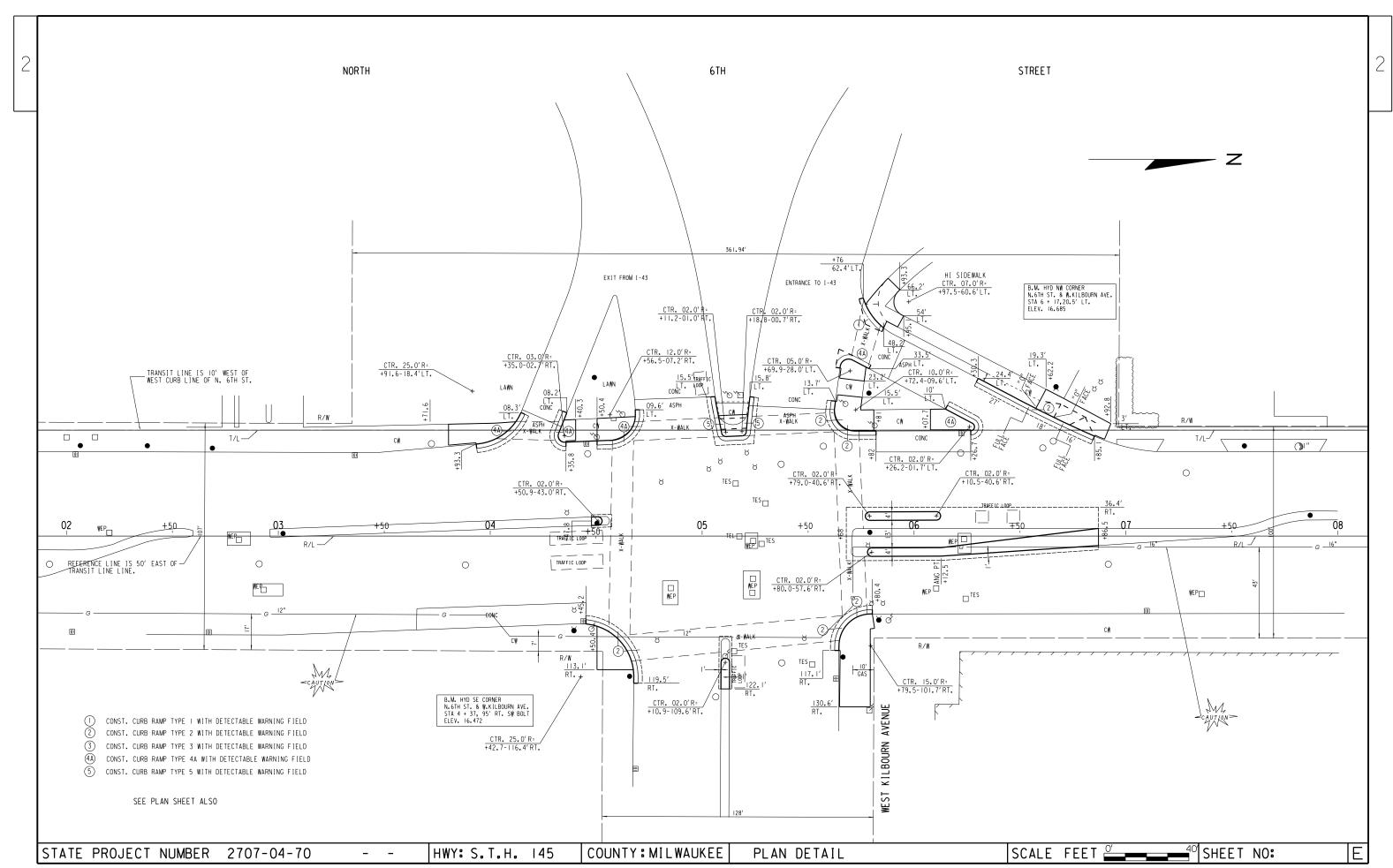
(F



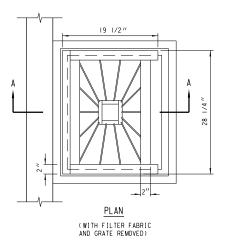
DETAIL J

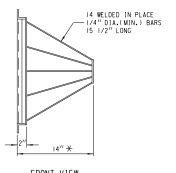
REPAIR OF ASPH/CONC PAVEMENT





2

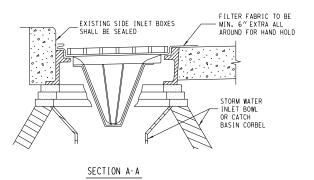




FRONT VIEW

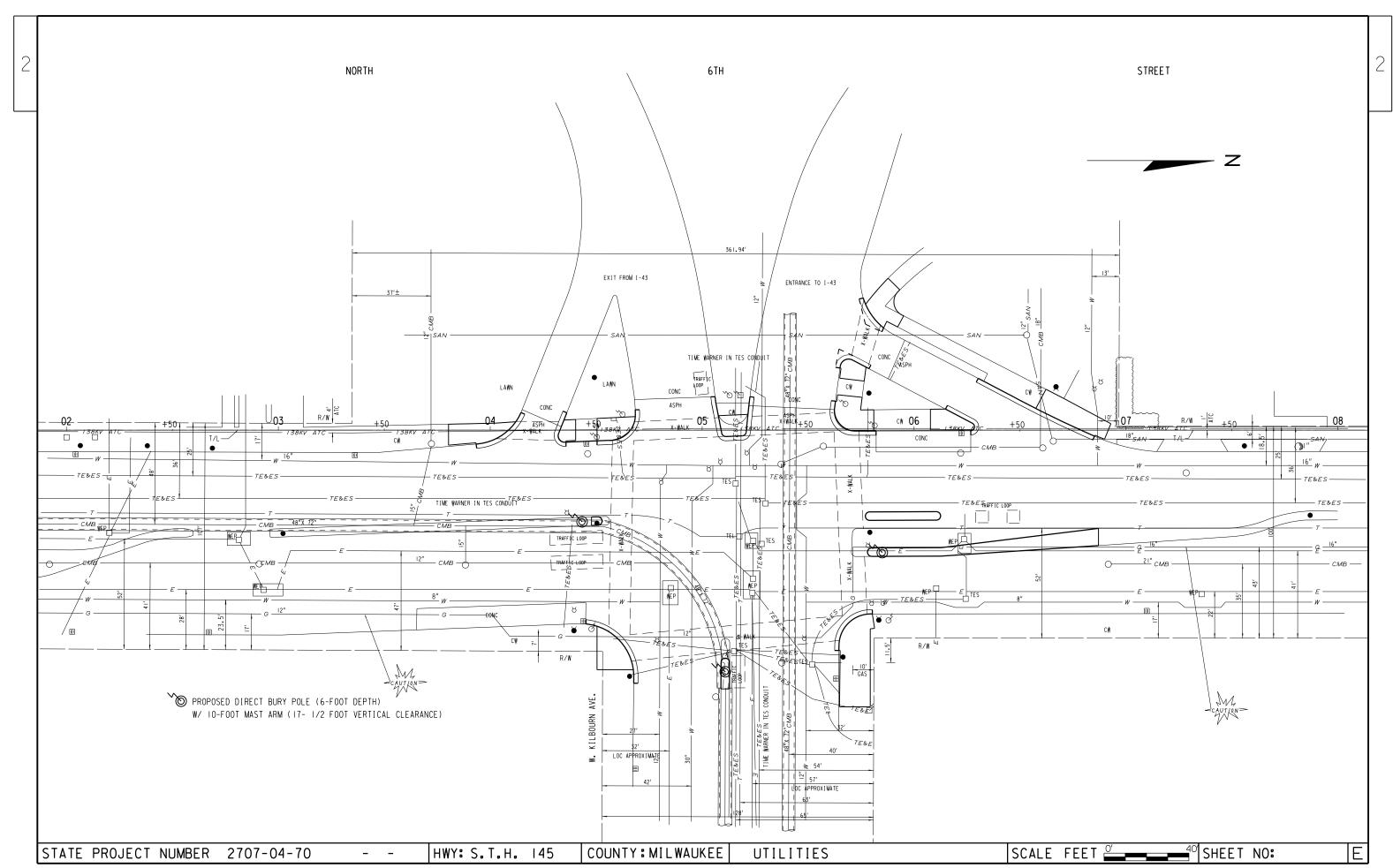
(BASKET ONLY)

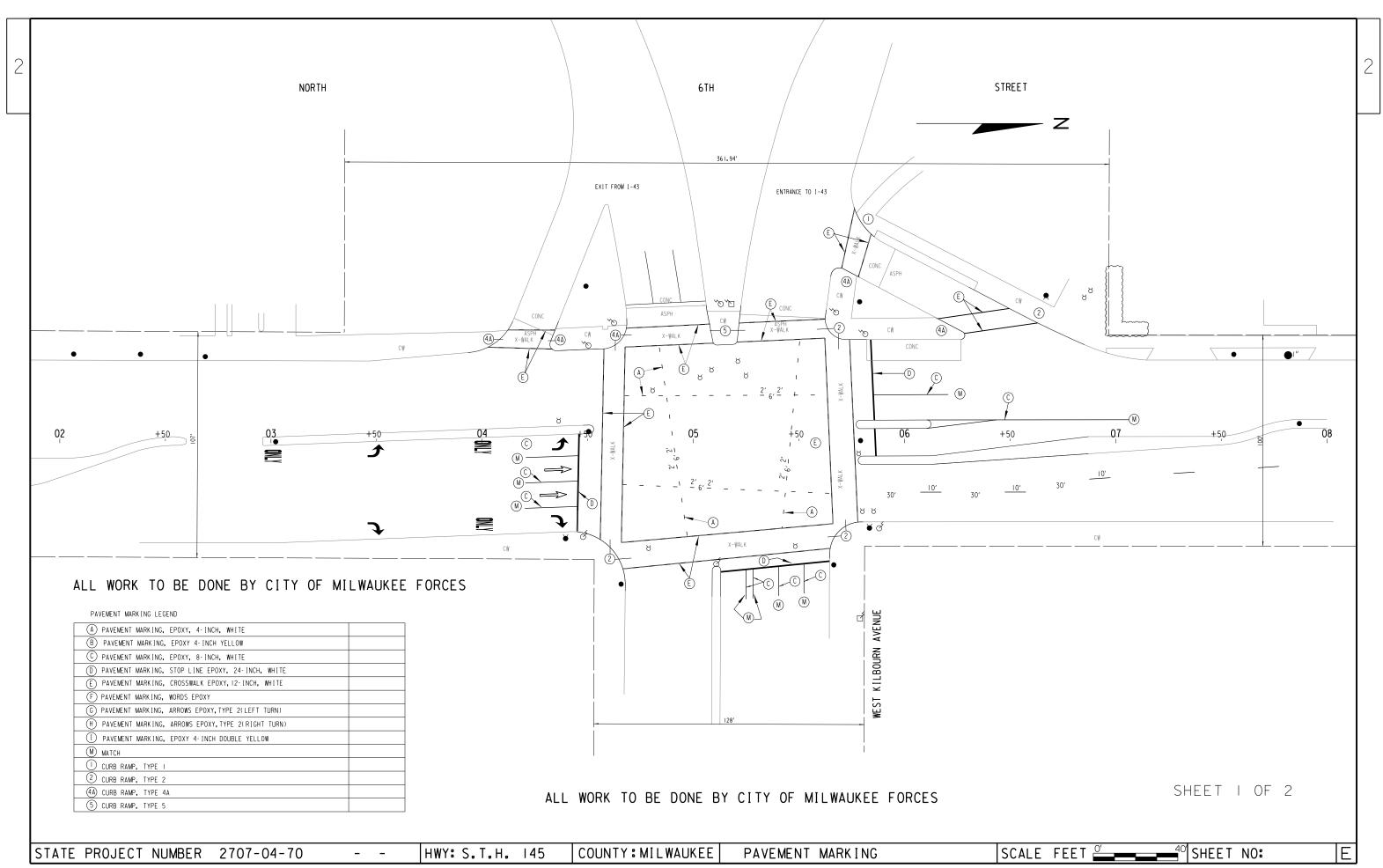
** MAY BE DECREASED IF INLET IS OF INSUFFICIENT DEPTH

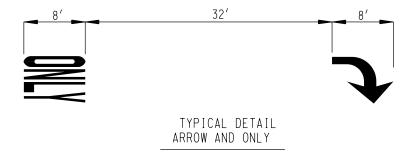


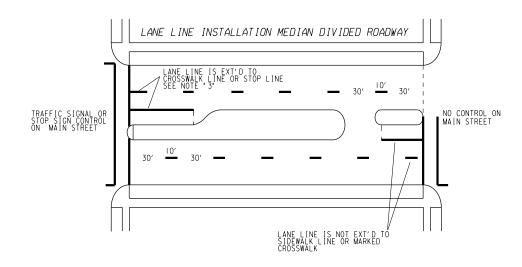
INLET BASKET

STATE PROJECT NUMBER 2707-04-70 - - HWY: S.T.H. 145 COUNTY: MILWAUKEE DRAINAGE DETAILS SCALE FEET SHEET NO: E



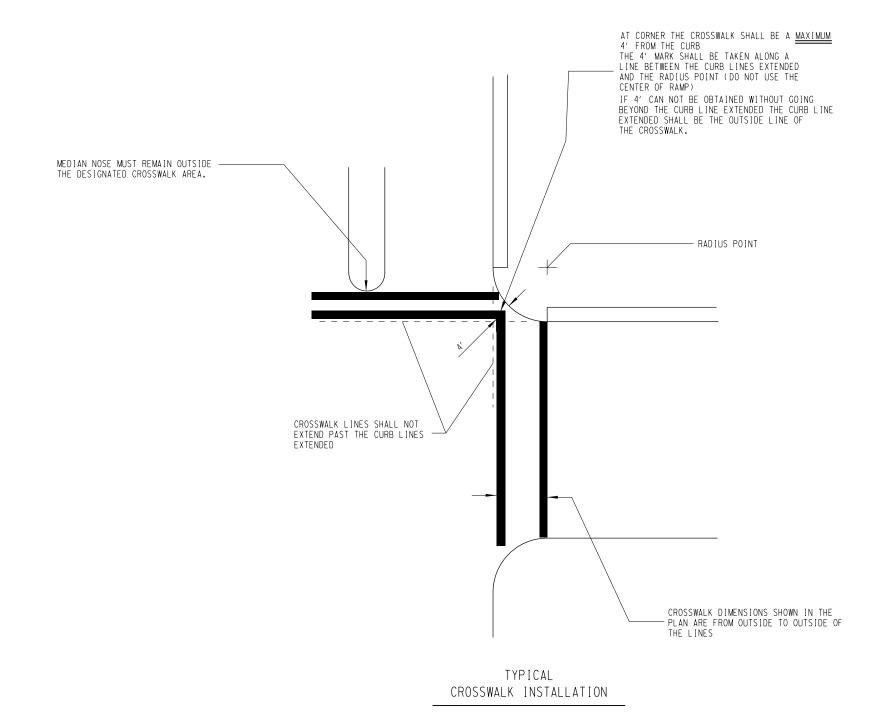






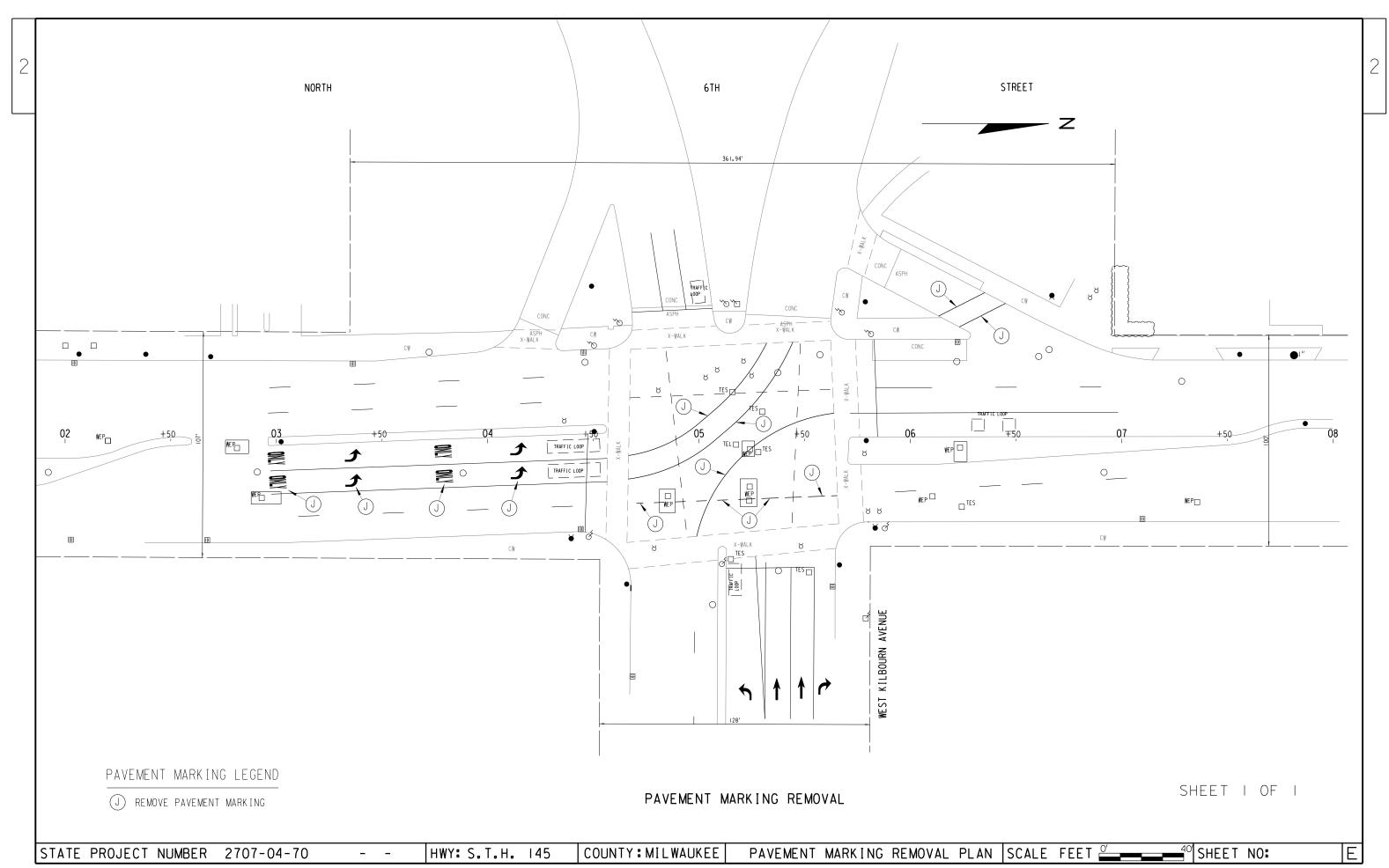
PAVEMENT MARKING NOTES

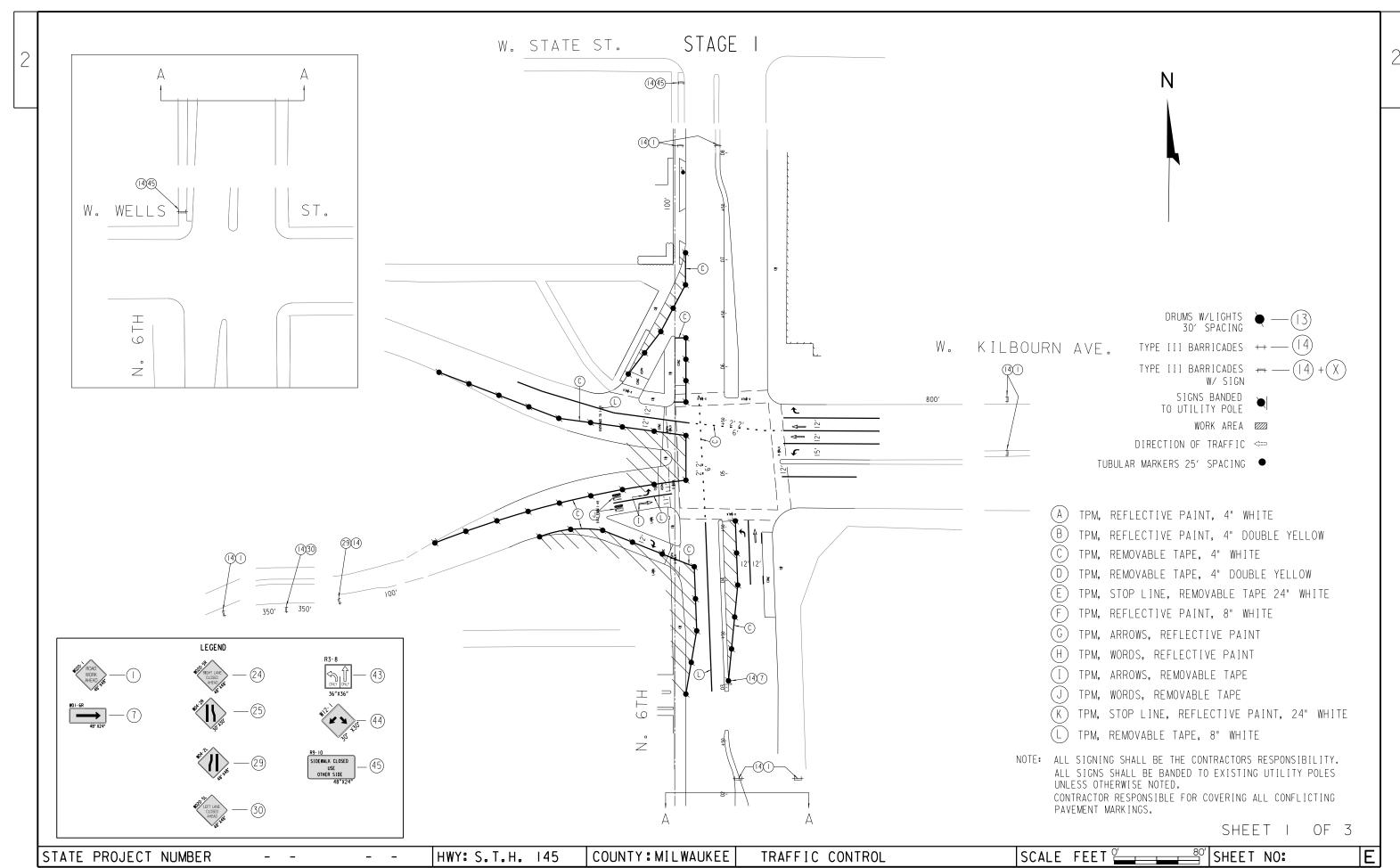
- 1. DASHED YELLOW CENTER LINES AND WHITE LANE LINES ARE 10 FEET LONG WITH A 30 FOOT GAP.
- 2. ALL DASHED CENTER LINES AND LANE LINES ARE 4 INCHES WIDE. ALL DOUBLE YELLOW CENTER LINES HAVE A 4 INCH SPACE BETWEEN TWO 4 INCH LINES.
- 3. AT CONTROLLED INTERSECTION IF LANE LINE IS LESS THAN 10 FEET, THE PRECEEDING LINE IS EXTENDED TO THE STOP LINE OR CROSSWALK LINE. THIS BALANCE LINE SHOULD NOT EXCEED 49 FEET. THIS POLICY APPLIES TO LANE LINES ONLY AT TRAFFIC SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTIONS AND CENTER LINES AT ALL LOCATIONS.
- 4. ALL DIMENSIONS ARE FROM THE FACE OF THE CURB TO THE CENTER OF THE MARKING UNLESS OTHERWISE NOTED.
- 5. TEMPORARY PAVEMENT MARKINGS MUST BE PLACED ON THE PAVEMENT IF PERMANENT MARKINGS ARE NOT INSTALLED AFTER THE COMPLETION OF PAVING.

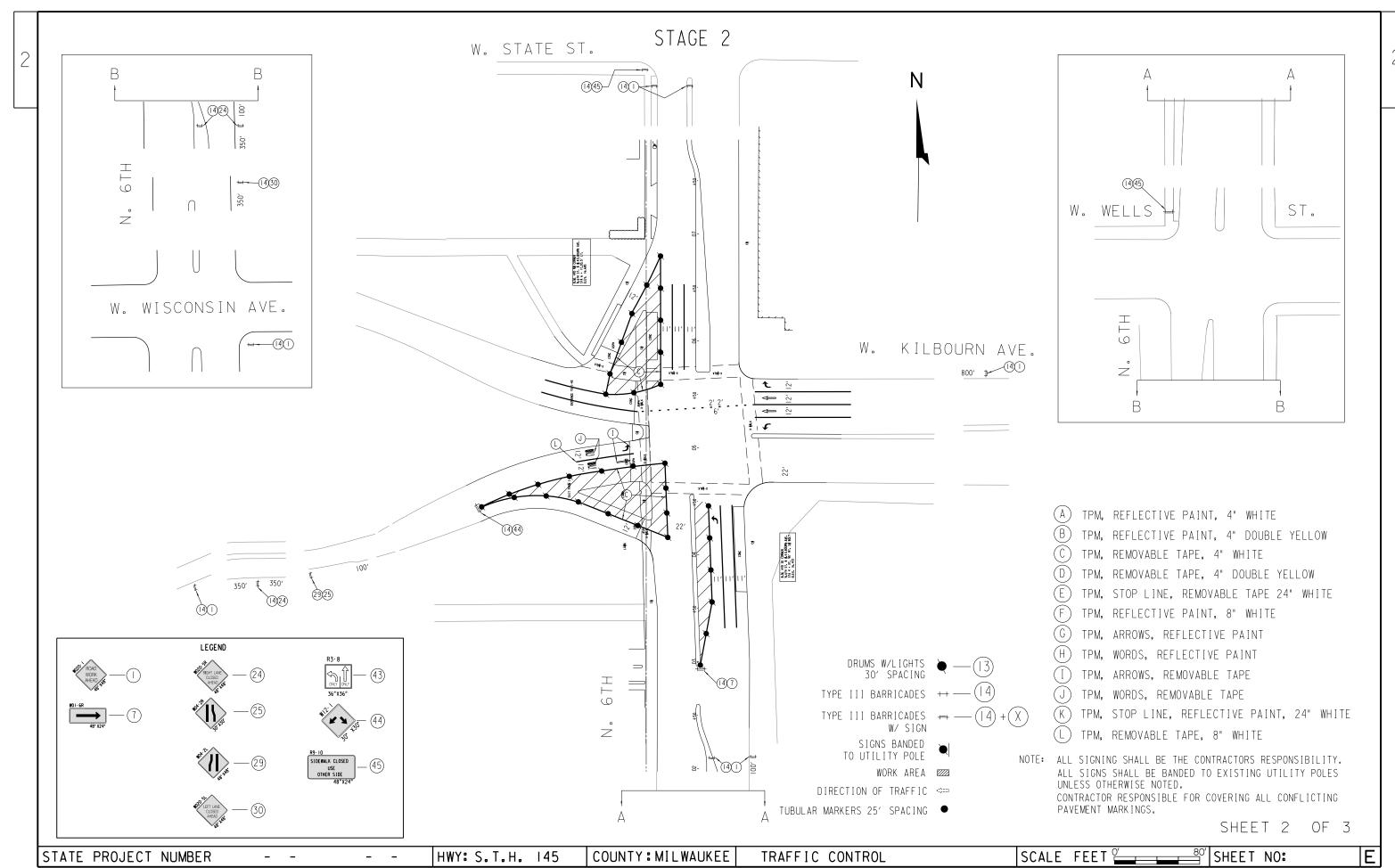


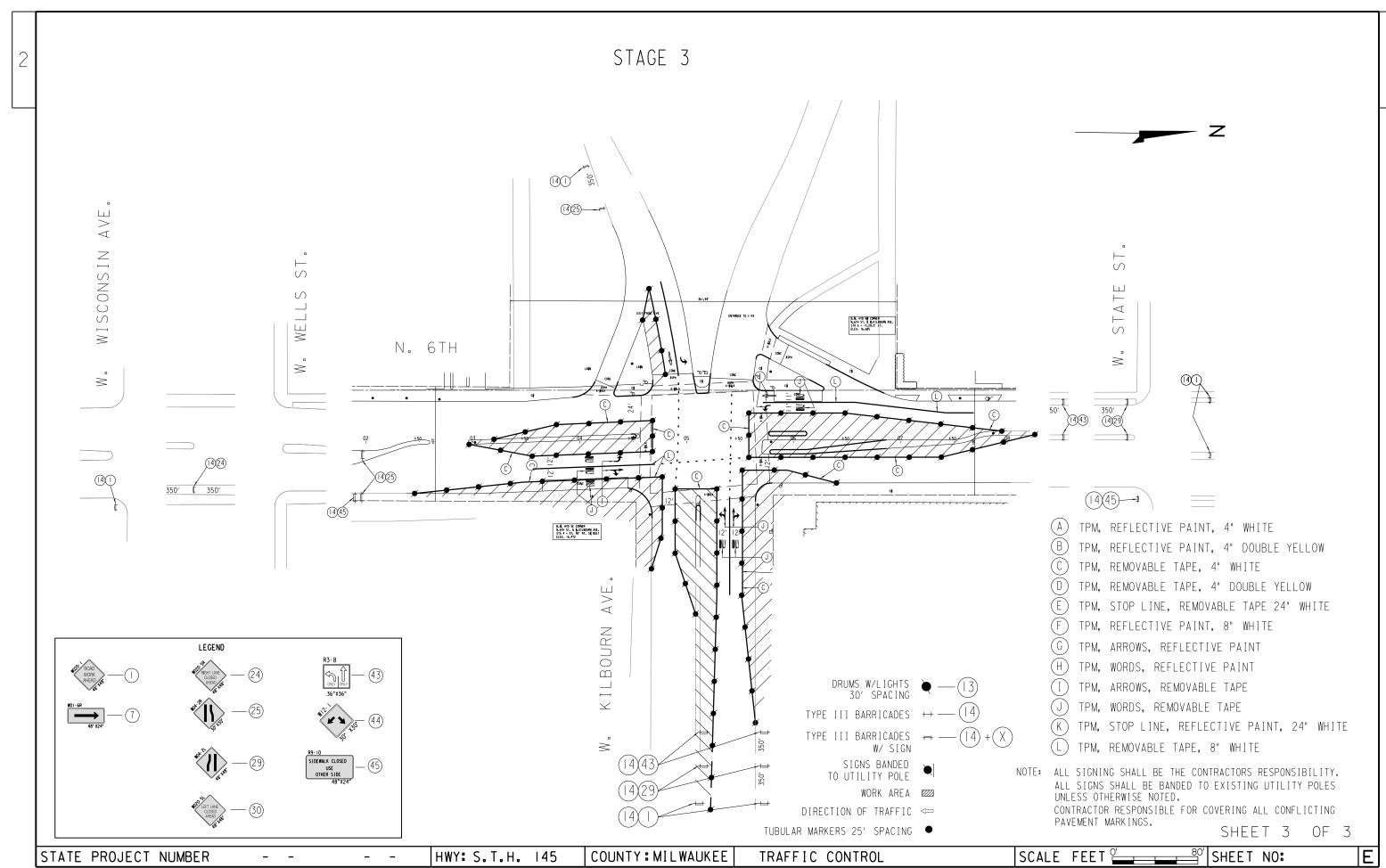
SHEET 2 OF 2

STATE PROJECT NUMBER 2707-04-70 - - HWY: S.T.H. 145 COUNTY: MILWAUKEE PAVEMENT MARKING SCALE FEET SHEET NO: E









DATE 20 LINE	DMAY13	EST	IMAT	E OFQUAN	T I T I E S 2707-04-70	
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY	
0010	204. 0110	REMOVING ASPHALTIC SURFACE	SY	280. 000	280. 000	
0010	204. 0110	REMOVING CURB & GUTTER	LF	290. 000	290. 000	
0020	204. 0155	REMOVING CONCRETE SIDEWALK	SY	270. 000	270.000	
0030	204. 0133		CY		14. 000	
		EXCAVATION COMMON **P**		14.000		
0050	213. 0100	FINISHING ROADWAY (PROJECT) 01. 2707-04-70	EACH	1. 000	1. 000	
		2707-04-70				
0060	305. 0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	68. 000	68. 000	
0070	320. 0145	CONCRETE BASE 8-INCH	SY	26.000	26.000	
0800	455.0605	TACK COAT	GAL	11. 000	11. 000	
0090	465. 0105	ASPHALTIC SURFACE	TON	40.000	40.000	
0100	601. 0331	CONCRETE CURB & GUTTER 31-INCH	LF	310.000	310.000	
0110	602. 0410	CONCRETE SIDEWALK 5-INCH	SF	2, 410. 000	2, 410. 000	
0120	602. 0505	CURB RAMP DETECTABLE WARNING FIELD YELLOW	SF	96. 000	96. 000	
0130	602. 1000	YELLOW CONCRETE LOADING ZONE	SF	1, 120. 000	1, 120. 000	
0140	619. 1000	MOBILIZATION	EACH	1, 120, 000	1, 120, 000	
0140	625. 0100	TOPSOIL	SY	29. 000	29. 000	
0130	025.0100	TOT SOIL	JI	27.000	27.000	
0160	629. 0210	FERTILIZER TYPE B	CWT	1. 000	1. 000	
0170	631. 1000	SOD LAWN	SY	29. 000	29. 000	
0180	642. 5001	FIELD OFFICE TYPE B	EACH	1. 000	1.000	
0190	643.0100	TRAFFIC CONTROL (PROJECT) 01. 2707-04-70	EACH	1. 000	1. 000	
0200	643.0300	TRAFFIC CONTROL DRUMS	DAY	2, 198. 000	2, 198. 000	
0210	643. 0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	672. 000	672. 000	
0220	643. 0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	1, 344. 000	1, 344. 000	
0230	643. 0715	TRAFFIC CONTROL WARNING LIGHTS TYPE C	DAY	2, 198. 000	2, 198. 000	
0240	643. 0900	TRAFFIC CONTROL SIGNS	DAY	672.000	672.000	
0250	646. 0600	REMOVING PAVEMENT MARKINGS	LF	400. 000	400. 000	
0260	649. 0400	TEMPORARY PAVEMENT MARKING REMOVABLE	LF	4, 516. 000	4, 516. 000	
		TAPE 4-INCH				
0270	649. 0801	TEMPORARY PAVEMENT MARKING REMOVABLE	LF	760.000	760.000	
		TAPE 8-INCH				
0280	649. 1800	TEMPORARY PAVEMENT MARKING ARROWS	EACH	9. 000	9. 000	
		REMOVABLE TAPE		<u>.</u>		
0290	649. 2000	TEMPORARY PAVEMENT MARKING WORDS	EACH	10. 000	10. 000	
0000	/FO FF00	REMOVABLE TAPE		F20 000	F20, 000	
0300	650. 5500	CONSTRUCTION STAKING CURB GUTTER AND	LF	530. 000	530. 000	
		CURB & GUTTER				
0310	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL	LS	1. 000	1. 000	
		CONTROL (PROJECT) 01. 2707-04-70				
0320	690. 0150	SAWING ASPHALT	LF	480. 000	480. 000	
0330	690. 0250	SAWING CONCRETE	LF	330. 000	330. 000	
0340	SPV. 0060	SPECIAL 01. INLET SCREENS TYPE M	EACH	5. 000	5. 000	
0350	SPV. 0090	SPECIAL O1. CONSTRUCTION STAKING	LF	170. 000	170. 000	
5555	51 1.0070	CONCRETE SI DEWALK	Li	170.000	170.000	
0360	SPV. 0165	SPECIAL 01. REMOVING CONCRETE LOADING ZONE	SF	1, 330. 000	1, 330. 000	

Estimate of Traffic Control Items Required (0010 Participating)

		Latimate	or framic cont	or itemis ite	quired (0010	T al ticipa	KII16/				
		St	tage 1	Sta	ige 2	S	Stage 3				
Items		(Each)	* (Days)	(Each)	* (Days)	(Each)	* (Days)	Total			
(1)643.0300	Traffic Control, Drums	44	616	32	448	81	1,134	2,198			
(2)643.0420	Traffic Control, Barricades, Type III	12	168	16	224	20	280	672			
643.0705	Traffic Control, Warning Lights, Type "A" (Flashing)	24	336	32	448	40	560	1,344			
643.0715	Traffic Control, Warning Lights, Type "C" (Steady)	44	616	32	448	81	1,134	2,198			
643.0900	Traffic Control, Signs	12	168	16	224	20	280	672			
(3) Temporary F 649.0400	Pavement Marking Temporary Pavement Marking Removable Tape 4-Inch		 1,272		956		2288	4,516			
649.0801	Temporary Payment Marking Removeable Tape 8-Inch	-	380		60		320	760			
649.1800	Temporary Pavement Marking Arrows Removable Tape		2		2		5	9			
649.2000	Temporary Pavement Marking Words Removable Tape		2		2		6	10			
NOTES:	remporary ratement marking words hemotable rape			l			<u> </u>	10			
	THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND I	DEVICES SHALL BE A	ADJUSTED TO FI	T FIELD CON	DITIONS AS A	PPROVED	BY THE ENGINE	ER.			
	ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.										
	"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" WILL BE COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. THIS WORK WILL BE INCIDENTAL TO THE ITEM OF TRAFFIC CONTROL.										
	CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SH	IALL BE PULLED BAC	CK FROM THE TI	RAVELLED LA	NE WHEN WO	RK IS NOT	Γ IN PROGRESS.				
	WARNING SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTI	NUOUS DAYS AND I	NIGHTS MAY B	E MOUNTED	ON PORTABLE	SUPPORT	S.				
(1) All Drums h	ave one steady burning yellow light										
(2) All Type III E	Barricades have 2 flashing yellow lights										

(3) When placing temporary pavement marking removable tape, the tape shall be sliced or cut across its width every 25 feet.

This will limit ravelling.

Items	Stage 1	Stage 2	Stage 3	Size (")
W020-1	7	7	6	48 X 48
W01-6R	1	1	0	24 X 12
W020-5R	0	3	1	36 X 36
W020-5L	1	1	0	36 X 36
W04-2R	0	1	3	30 X 30
W04-2L	1	0	4	30 X 30
R3-8	0	0	4	36 X 36
W12-1	0	1	0	30 X 30
R9-10	2	2	2	48 X 24
Total	12	16	20	

PROJECT NO: 2025-11-70 HWY: STH 190 COUNTY: MILWAUKEE MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

MISCELLANEOUS QUANTITIES

	204.0110	204.0150	204.0155	205.0100	213.0100	305.0120	320.0145	455.0605	465.0105	601.0331	602.0410	602.0505	602.1000	619.1000
	REMOVING	REMOVING	REMOVING	EXCAVATION	FINISHING	BASE	CONCRETE	TACK	ASPHALTIC	CONCRETE	CONCRETE	CURB RAMP	CONCRETE	MOBILIZATION
STATION	ASPHALTIC	CURB &	CONCRETE	COMMON	ROADWAY	AGGREGATE	BASE	COAT	SURFACE	CURB	SIDEWALK	DETECTABLE	LOADING	
	SURFACE	GUTTER	SIDEWALK			DENSE	8-INCH			& GUTTER	5-INCH	WARNING FIELD	ZONE	
						1 1/4 INCH				31-INCH		YELLOW		
	SY	LF	SY	CY	LS	TON	SY	GAL	TON	LF	SF	SF	SF	EA
STA 3+50 TO 7+00	280	290	270	14	1	68	26	11	40	310	2410	96	1120	1
TOTAL	280	290	270	14	1	68	26	11	40	310	2410	96	1120	1

ALL ITEMS ARE IN CATEGORY 0010

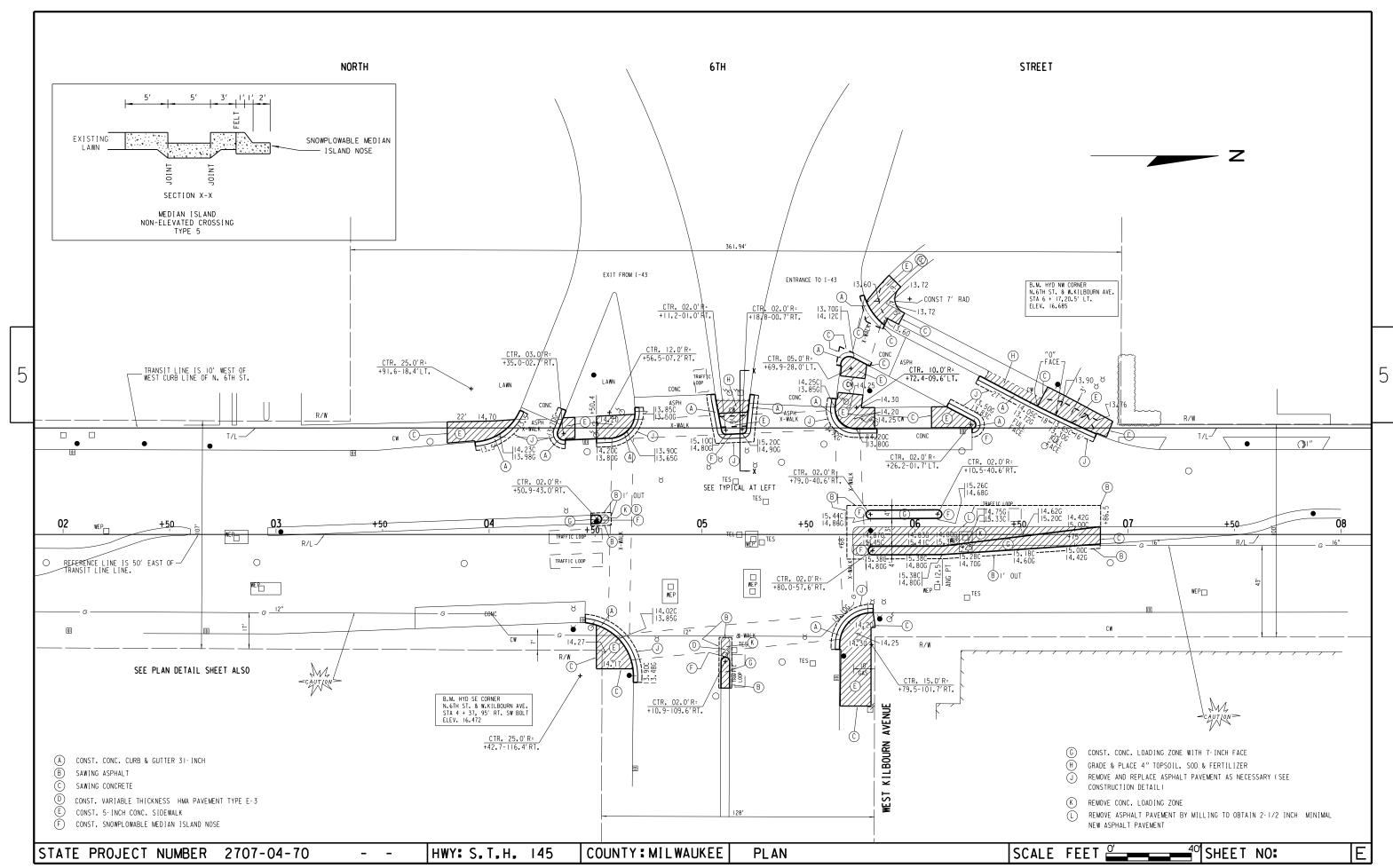
MISCELLANEOUS QUANTITIES (cont.)

625.0100	629.0210	631.1000	642.5001	643.0100	646.0600	650.5500	690.0150	690.0250	SPV.0060.01	SPV.0090.01	SPV.0165.01
TOPSOIL	FERTILIZER	SOD	FIELD OFFICE	TRAFFIC	REMOVE	CONSTRUCTION	SAWING	SAWING	INLET	CONST.	REMOVING
	TYPE B	LAWN	TYPE B	CONTROL	PAVEMENT	STAKING	ASPHALT	CONCRETE	SCREENS'	STAKING	CONCRETE
				(PROJECT)	MARKINGS	CURB GUTTER			TYPE M	CONCRETE	LOADING
						& CURB				SIDEWALK	ZONE
						AND GUTTER					
SY	CWT	SY	EA	LS	LF	LF	LF	LF	EACH	LF	SF
29	1	29	1	1	400	530	480	330	5	170	1330
29	1	29	1	1	400	530	480	330	5	170	1330

ALL ITEMS ARE IN CATEGORY 0010

		PROJECT NO: 2025-11-70	HWY: STH 190	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET:	Е
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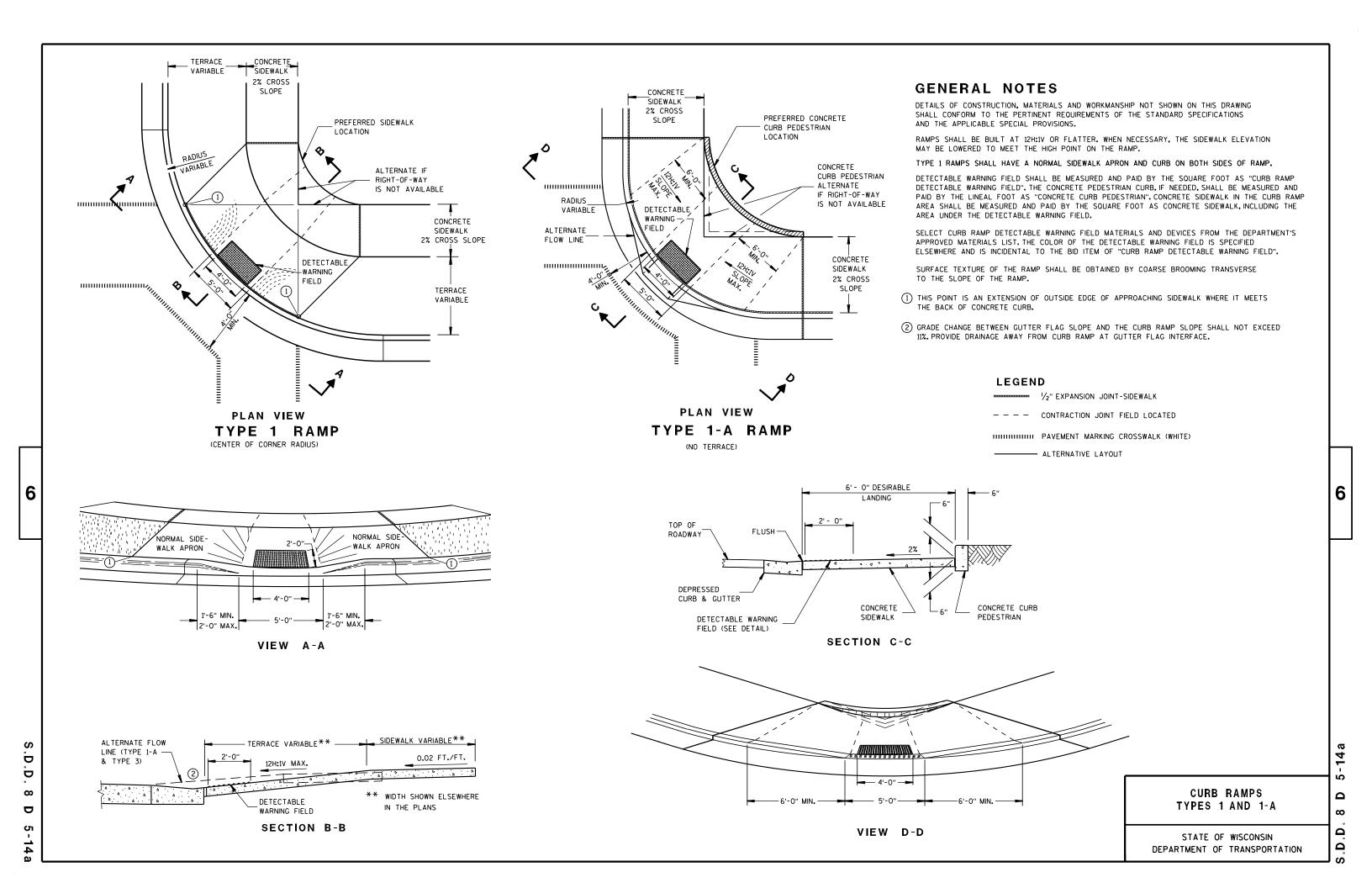
FILE NAME : ______ PLOT BY : _____ PLOT BY : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1

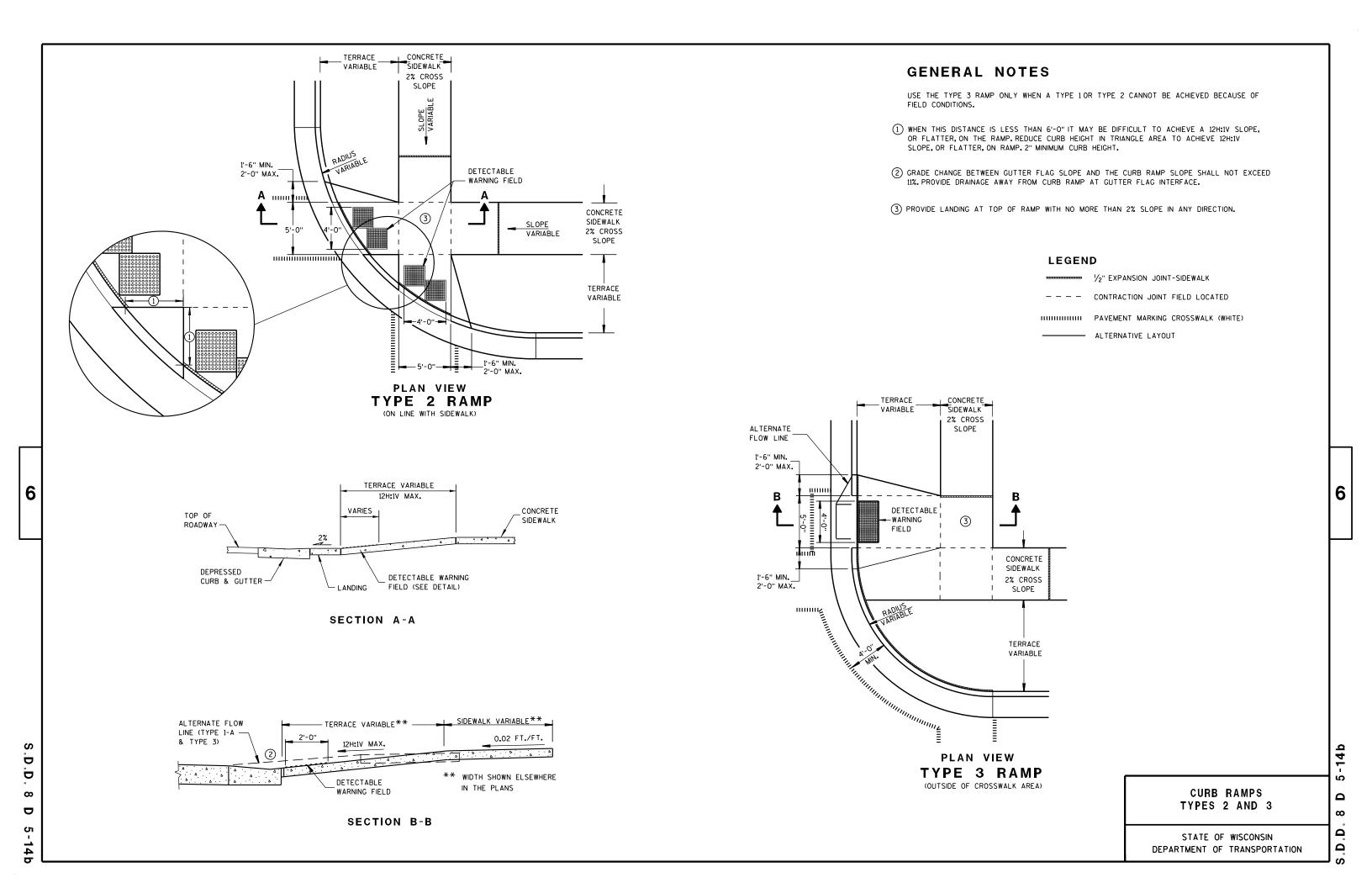


Standard Detail Drawing List

)8D05-14A	CURB RAMPS TYPES 1 AND 1-A
)8D05-14B	CURB RAMPS TYPES 2 AND 3
)8D05-14C	CURB RAMPS TYPE 4A
)8D05-14D	CURB RAMPS TYPE 4B
)8D05-14E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
)8D16-10	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
1B02-02	CONCRETE MEDIAN NOSE
5D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE

6

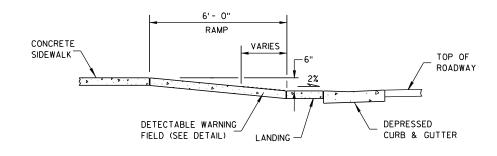




RADIUS POINT OF

CURB RETURN

CURB RAMP TYPE 4A PLAN VIEW



SECTION B-B

RADIUS \boldsymbol{X} \boldsymbol{Y} (AT CURB FACE) 20 FEET 6'-13/4" 2'-71/4" 30 FEET 7'-113/4'' 4'-81/4" 40 FEET 9'-51/4" 6'-5" 50 FEET 10'-8¾" 7'-11'/4" 60 FEET 11'-10'/4" 9'-31/2"

INTERMEDIATE RADII CAN BE INTERPOLATED

CONCRETE SIDEWALK CONCRETE CURB & GUTTER

SECTION A-A

CONCRETE CURB

PEDESTRIAN

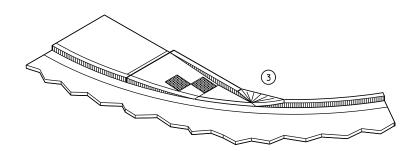
GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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



ISOMETRIC VIEW

LEGEND

½" EXPANSION JOINT-SIDEWALK

--- CONTRACTION JOINT FIELD LOCATED

HIHHHHHH PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4A

6

5-14c

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SECTION C-C

CONCRETE

RAMP

VARIES

0 TO 6"

TOP OF

ROADWAY

DEPRESSED

CURB & GUTTER

S.D.D. 8 D 5-14

6

6

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GENERAL NOTES

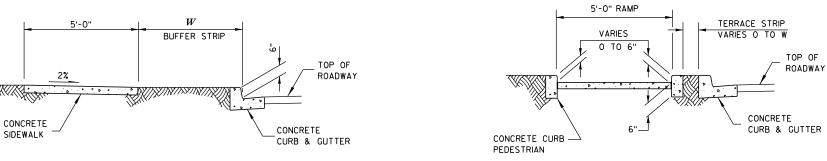
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

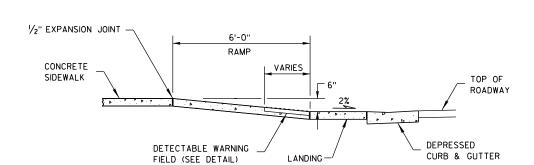
SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

RADIUS	W =	3'- 0"	W =	= 4'- 0"	W =	= 5'- 0"	W =	= 6'- 0"	W =	7'- 0"
(AT CURB FACE)	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-51/2"	4'-6 ¹ / ₂ "	4'-81/2"	6'-0"	4'-1"	7'-23/4"	3'-7"	8'-31/2"	3'-11/2"	9'-2 ¹ / ₂ "
30 FEET	7'-3¾''	7'-1"	6'-51/2"	8'-111/2"	5'-9'/4"	10'-7"	5'-2 ¹ / ₂ "	12'-0"	4'-8¾"	13'-3 ¹ / ₄ "
40 FEET	8'-91/2"	9'-2 ¹ / ₂ "	7'-10"	11'-5'/4"	7'-1"	13'-41/2"	6'-5¾"	15'-3/4"	5'-111/2"	16'-7'/4"
50 FEET	10'-¾''	11'-3/4"	9'-1/4"	13'-7'/4"	8'-21/2"	15'-91/2"	7'-61/2"	17'-9"	6'-11¾"	19'-6'/4"
60 FEET	11'-2'/2"	12'-8¾''	10'-¾"	15'-61/2"	9'-21/4"	17'-113/4"	8'-5¾"	20'-1¾"	7'-101/2"	22'-11/2"
70 FEET	12'-2¾"	14'-31/4"	11'-1/4"	17'-4"	10'-1"	19'-11¾"	9'-3¾''	22'-4 ¹ / ₄ "	8'-81/4"	24'-61/4"
80 FEET	13'-2"	15'-81/2"	11'-101/2"	18'-11¾"	10'-10¾4"	21'-10"	10'-1"	24'-4¾"	9'-5"	26'-8¾''
90 FEET	14'- 1/2"	17'-1/2"	12'-8'/4"	20'-6 ¹ / ₂ "	11'-7¾''	23'-7"	10'-9¾''	26'-3¾''	10'-1'/4"	28'-91/2"
100 FEET	14'-101/2"	18'-3¾''	13'-51/2"	22'-0"	12'-41/4"	25'-2¾''	11'-5¾''	28'-11/2"	10'-9"	30'-9"

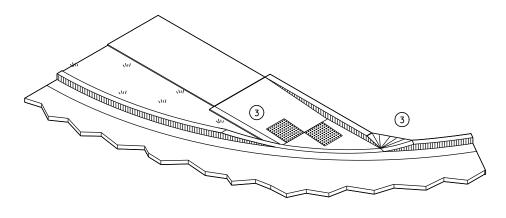
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A SECTION C-C



SECTION B-B



ISOMETRIC VIEW

LEGEND

1/2" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

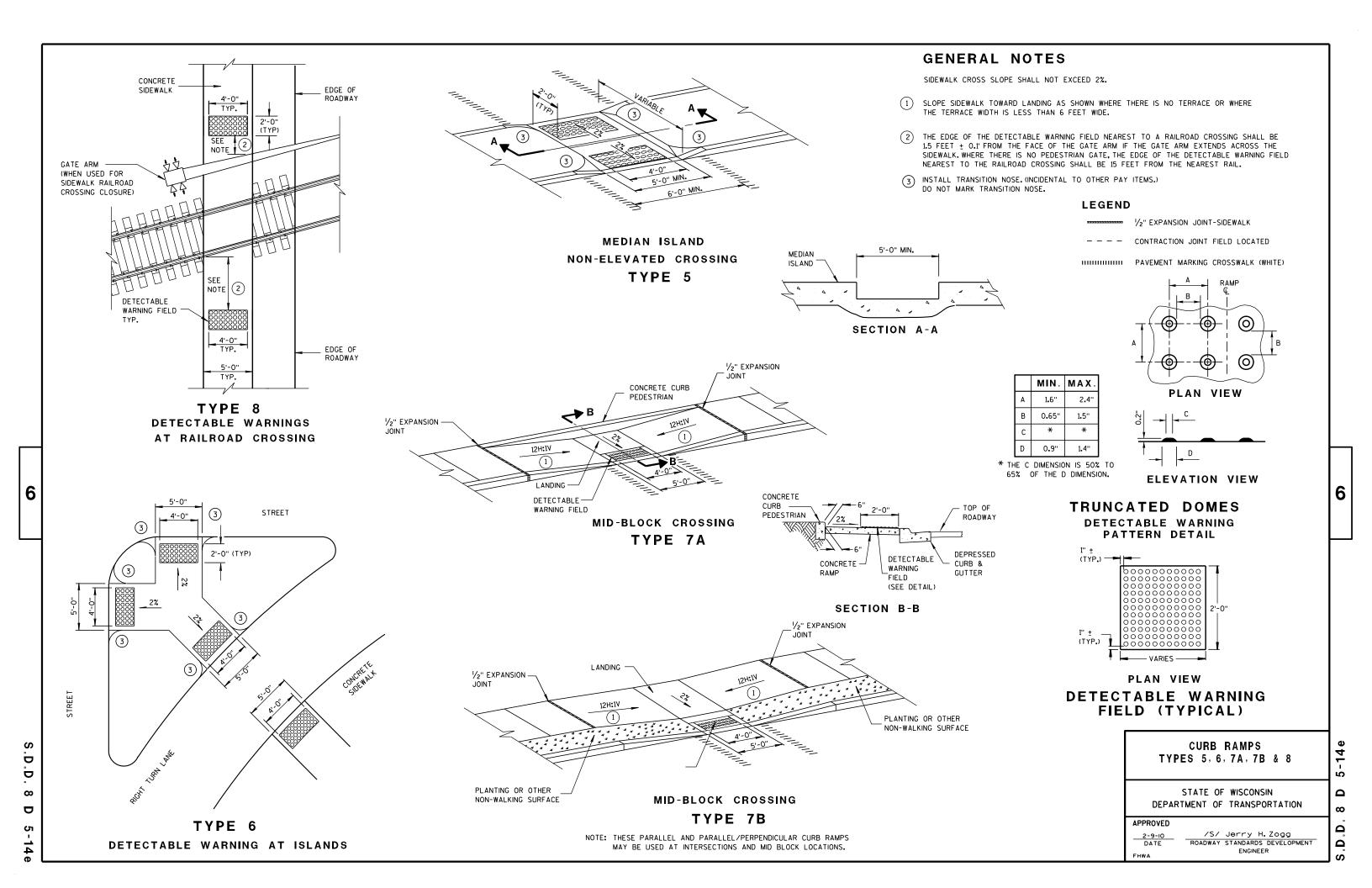
HIHIHIHIH PAVEMENT MARKING CROSSWALK (WHITE)

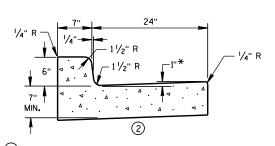
CURB RAMPS TYPE 4B

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

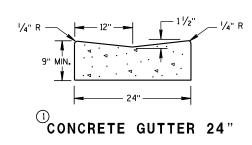
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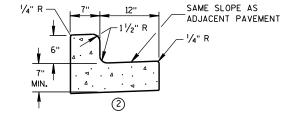


CONCRETE CURB & GUTTER 31"

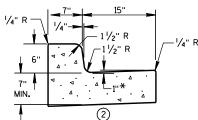


* TO BE MEASURED TO A

MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



CONCRETE CURB & GUTTER 19"



OCONCRETE CURB & GUTTER 22"

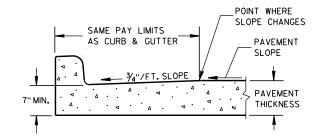
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PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER

GENERAL NOTES

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

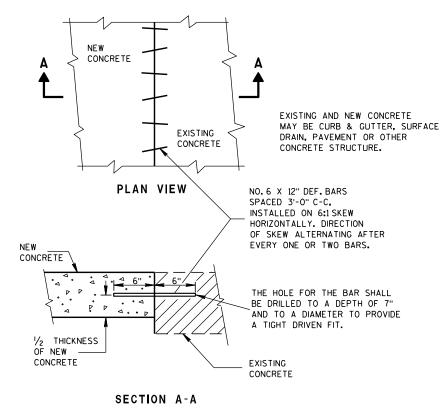
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

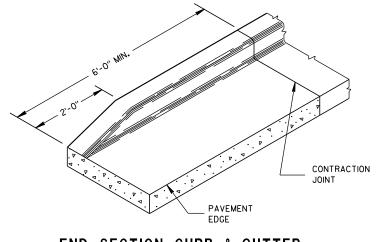
WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURB.

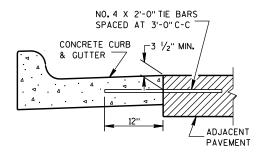
- WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUIRED FOR CURB AND GUTTER 31", 22", 19" AND CONCRETE GUTTER 24".
- THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MIMIMUM GUTTER THICKNESS IS
- (3) WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLAN.



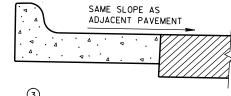
PAVEMENT TIES



END SECTION CURB & GUTTER



TYPICAL TIE BAR LOCATION



HIGH SIDE SECTION

(TYPICAL FOR ALL CURB & GUTTER)



(For Optional Use in Milwaukee Co. Only)

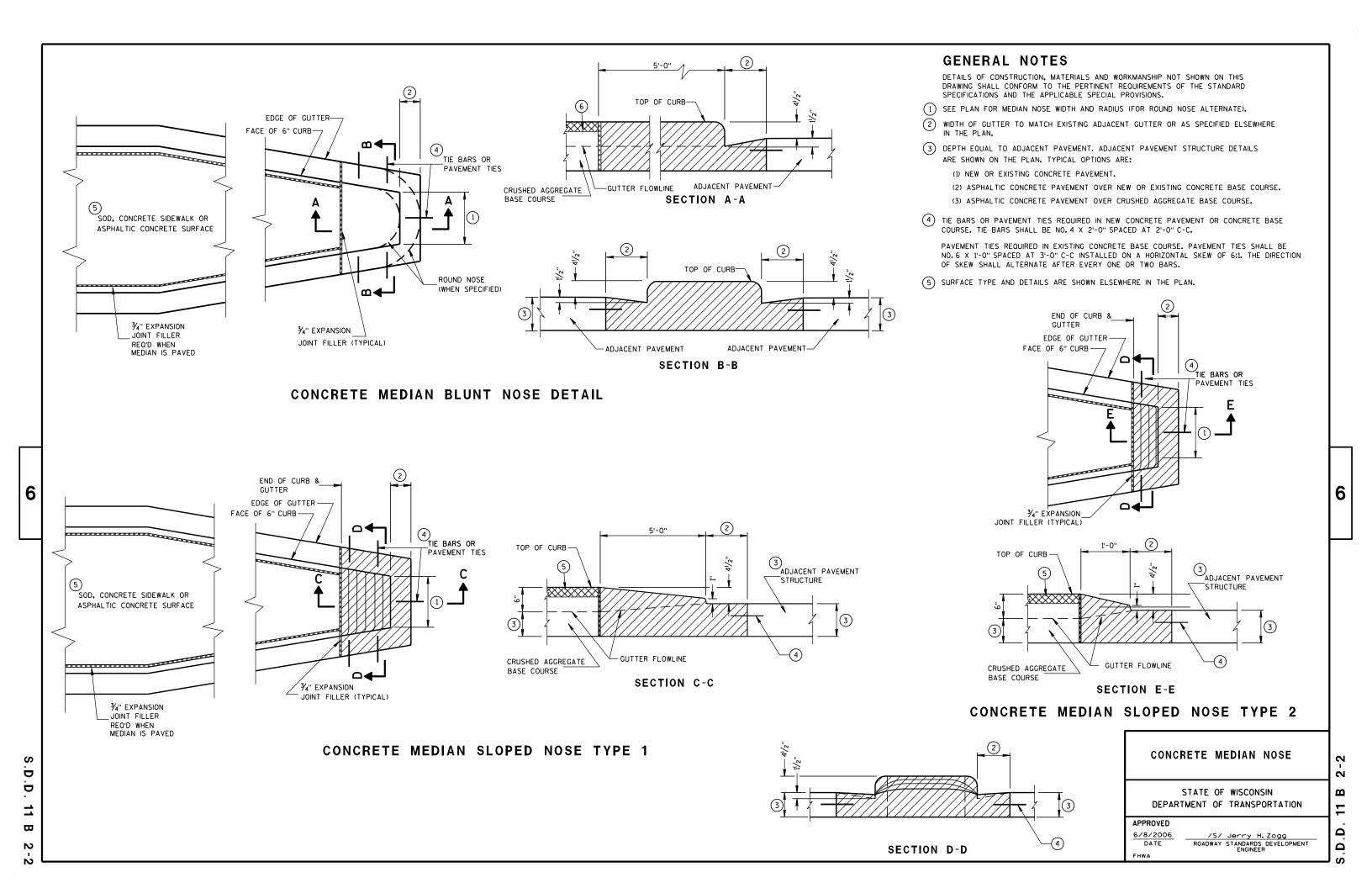
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

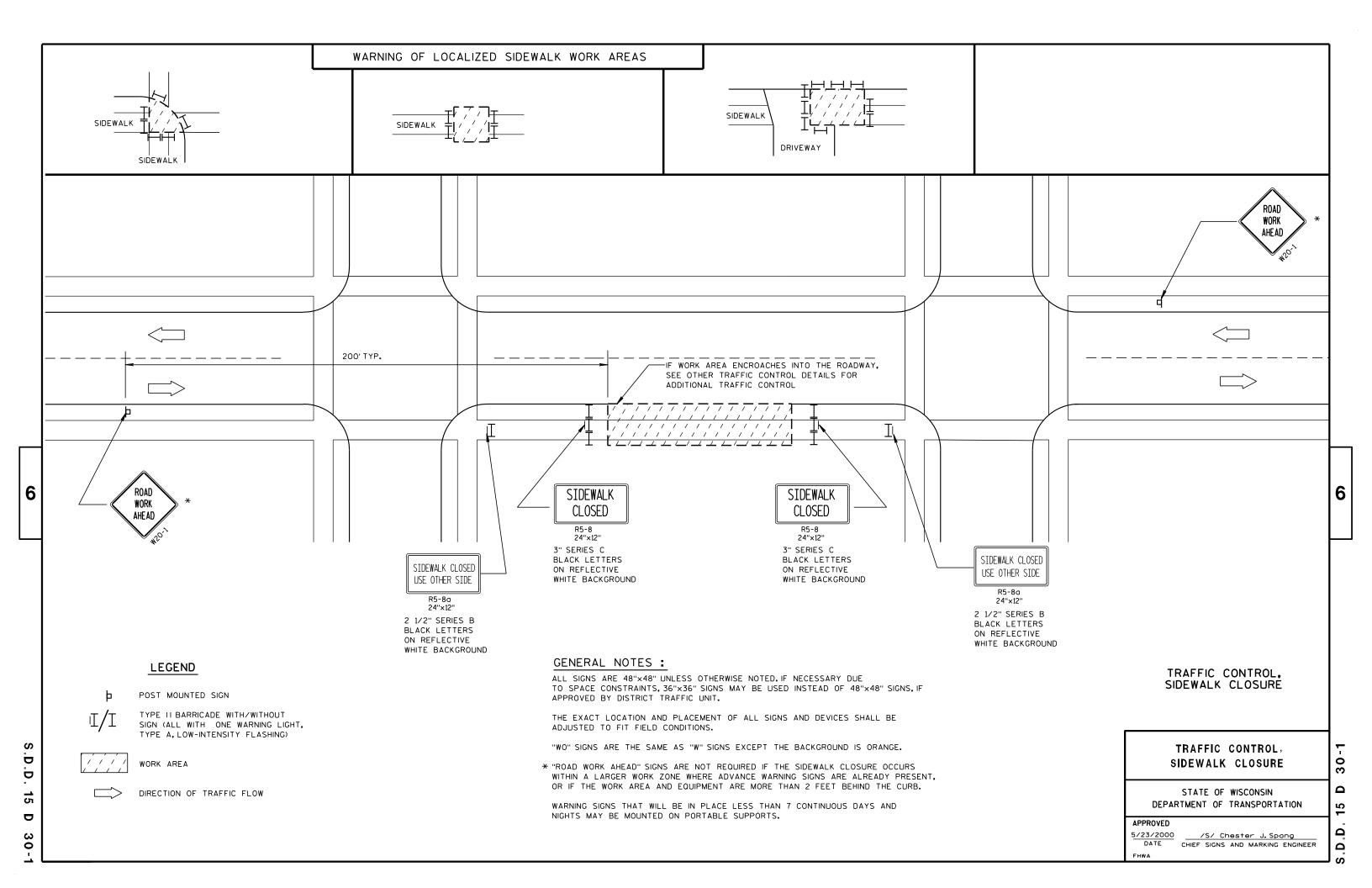
APPROVED

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

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