PROJECT ID: 8996-00-98

NWL

COUNTY: CHIPPEWA

WOODED OR SHRUB AREA

MAY 2015		STATE PROJE
ORDER OF SHEETS	STATE OF WISCONSIN	
Section No. 1 Title Section No. 2 Typical Sections and Details (Includes Erosion Control Plans) Section No. 3 Estimate of Quantities	DEPARTMENT OF TRANSPORTATION	8996-00-98
Section No. 3 Miscellaneous Quantities Section No. 4 Right of Way Plat	PLAN OF PROPOSED IMPROVEMENT	
Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings Section No. 7 Sign Plates Section No. 8 Structure Plans Section No. 9 Computer Earthwork Data Section No. 9 Cross Sections	C CHIPPEWA FALLS SPRING STREET DUNCAN CREEK BRIDGE P090711 LOC STR	
TOTAL SHEETS = 44		
	STATE PROJECT NUMBER 8996-00-98	
N	STRUCTURE P-9-711	
PROJECT LOCATION ST	EGIN PROJECT 129468.78 172061.02	
DESIGN DESIGNATION	= 129468.78 = 172061.02	
A.D.T. (2015) = 510 A.D.T. (2035) = 620 D.H.V. = 50 D. = 0/100 T. = 3.3% DESIGN SPEED = 30 MPH	END PROJECT STA. 10+75 Y: 129562.72 Y: 172171.06	
ESALS = N/A CONVENTIONAL SYMBOLS	R	
PLAN CORPORATE LIMITS ////// PROFILE	COURT ST. COURT ST.	
PROPERTY LINEFL + 58 GRADE LINE ORIGINAL GROUN LIMITED HIGHWAY EASEMENT L MARSH OR ROCK EXISTING RIGHT OF WAY SPECIAL DITCH PROPOSED OR NEW R/W LINE	PROFILE - FOCK - LABEL - LABEL - CHIPP	
SLOPE INTERCEPT - GRADE ELEVATION CULVERT (Prof	A 5 200 D 200 D	
REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT DITILITIES OVERHEAD	— OH—	
(Box or Pipe) COMBUSTIBLE FLUIDS CAUTON ELECTRIC FIBER OPTIC GAS	— ε — — F0 — — G — LAYOUT	
HIGH VOLTAGE SANITARY SEWER STORM SEWER TELEPHONE	SCALE 0 500 FT.	
MARSH AREA WATER UTILITY PEDEST POWER POLE	TOTAL NET LENGTH OF CENTERLINE = 0.0]0 MI. COORDINATES ON THIS PLAN ARE THE WISCONSIN STATE PLANE COORDINATE SCALED FROM U.S.G.S. TOPOI STANLEY OUAD. FOR IDENTIFI	SYSTEM, CENTRAL ZONE. GRAPHIC MAP.

STATE PROJECT FEDERAL PROJECT
PROJECT CONTRACT

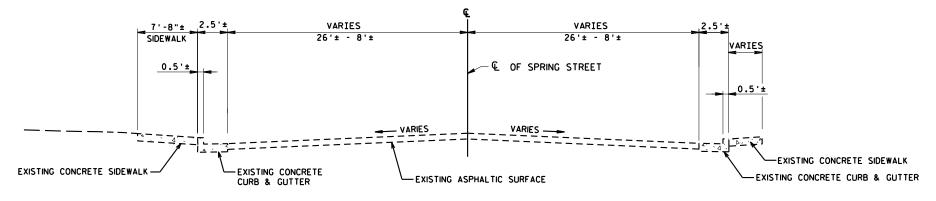
8996-00-98

ACCEPTED FOR Chippewa Falls ORIGINAL PLANS PREPARED BY ASSOCIATES WWw.AyresAssociates.com CHRISTOPHER B. MCMAHON OSOSTELEBERS SON STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY AYRES ASSOCIATES INC Surveyor AYRES ASSOCIATES INC Designer KNIGHT EZA. INC. Management Consultant ____ C.O. Examiner APPROVED FOR THE DEPARTMENT

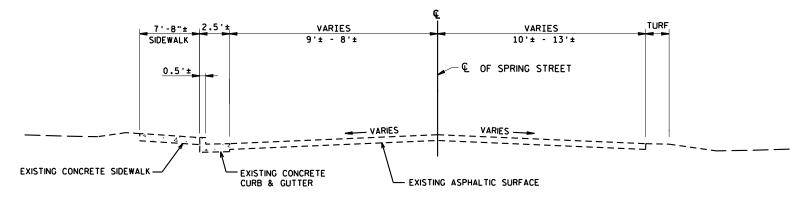
TELEPHONE POLE

658.1





(WEST APPROACH)



EXISTING TYPICAL SECTION
(EAST APPROACH)

PROJECT NO: 8996-00-98 HWY: SPRING STREET COUNTY: CHIPPEWA TYPICAL SECTIONS SHEET E

GENERAL NOTES

NO TREES AND/OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

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

THE DEPARTMENT OF TRANSPORTATION WILL FURNISH THE CONTRACTOR WITH A MONUMENT TO BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCLUSIVE OF THE ROADBED, SHALL BE FERTILIZED, SEEDED, AND MULCHED AS DIRECTED BY THE ENGINEER.

SEEDING TEMPORARY SHALL BE USED IN THE PROJECT AND SHALL BE PLACED AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) 88.

UTILITIES

CITY OF CHIPPEWA FALLS 30 W. CENTRAL STREET CHIPPEWA FALLS. WI 54729 ATTN: RICHARD RUBENZER 715-726-2701 rrubenzer@chippewafalls-wi.gov

XCEL ENERGY 1414 WEST HAMILTON AVE. EAU CLAIRE. WI 54702-0008 ATTN: DAWN SCHULTZ 715-737-2482 dawn.schultz@xcelenergy.com

AT&T 304 SOUTH DEWEY STREET EAU CLAIRE, WI 54701 ATTN: RICK PODOLAK 715-839-5565 rp4514@att.com

ABBREVIATIONS

NORMAL

PEDESTAL

OVERALL LENGTH

PARKER-KALON

PROPERTY LINE

POWER POLE

RIGHT-OF-WAY

SQUARE FEET

SQUARE YARD

TEMPORARY LIMITED EASEMENT

BRIDGE

RADIUS

RIGHT

REQUIRED

SHOULDER

STATION

VARIES

WELL

NORM

OAL PC

PD

PΙ

PΚ

PLE

РΤ

RT

R/W

STA

TLF

VAR

WL

SY

REO'D

SHLDR

 \star Denotes utilities that are <u>not</u> diggers hotline members **ACRES** CHIS CHISELED CENTERLINE COR CORNER CWT COUNT CUBIC YARD CY EL ELEVATION GAL GALLON HOUSE ΙP IRON PIPE (800)242-8511 LB POUND LF LINEAR FEET LS LUMP SUM LT MAX LEFT www.DiggersHotline.com MAXIMUM MIN MINIMUM MON MONUMENT

POINT OF CURVATURE POINT OF INTERSECTION PERMANENT LIMITED EASEMENT POINT OF TANGENCY

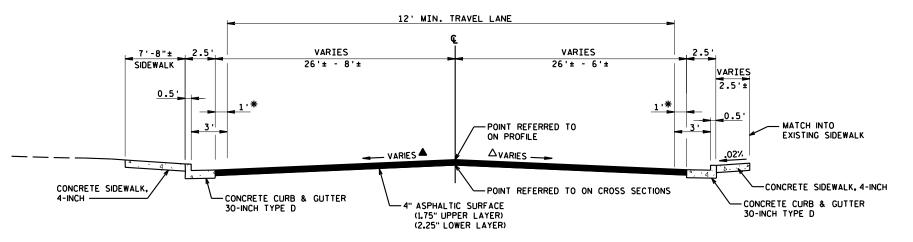
DESIGNER AYRES ASSOCIATES EAU CLAIRE, WI 54701 ATTN: CHRIS McMAHON 715-834-3161

WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONTACT:

CHRIS WILLGER 1300 W. CLAIREMONT AVE. EAU CLAIRE, WI. 54702 715-839-1609

christopherj.willger@wisconsin.gov

SHEET

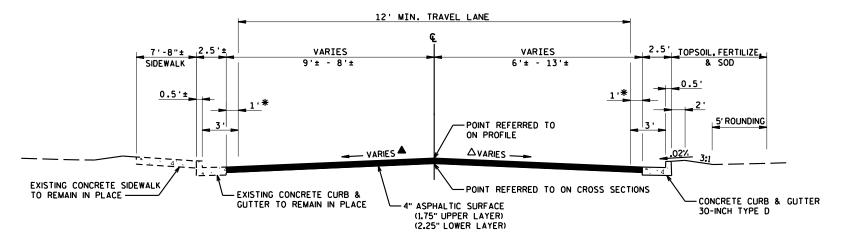


FINISHED TYPICAL SECTION

(WEST APPROACH)

* URBAN PAVED SHOULDER

 \triangle 0.4% - 2.4% (\bar{x} = 1.8%) \triangle 2.2% - 3.7% (\bar{x} = 3.2%)



FINISHED TYPICAL SECTION

(EAST APPROACH)

*** URBAN PAVED SHOULDER**

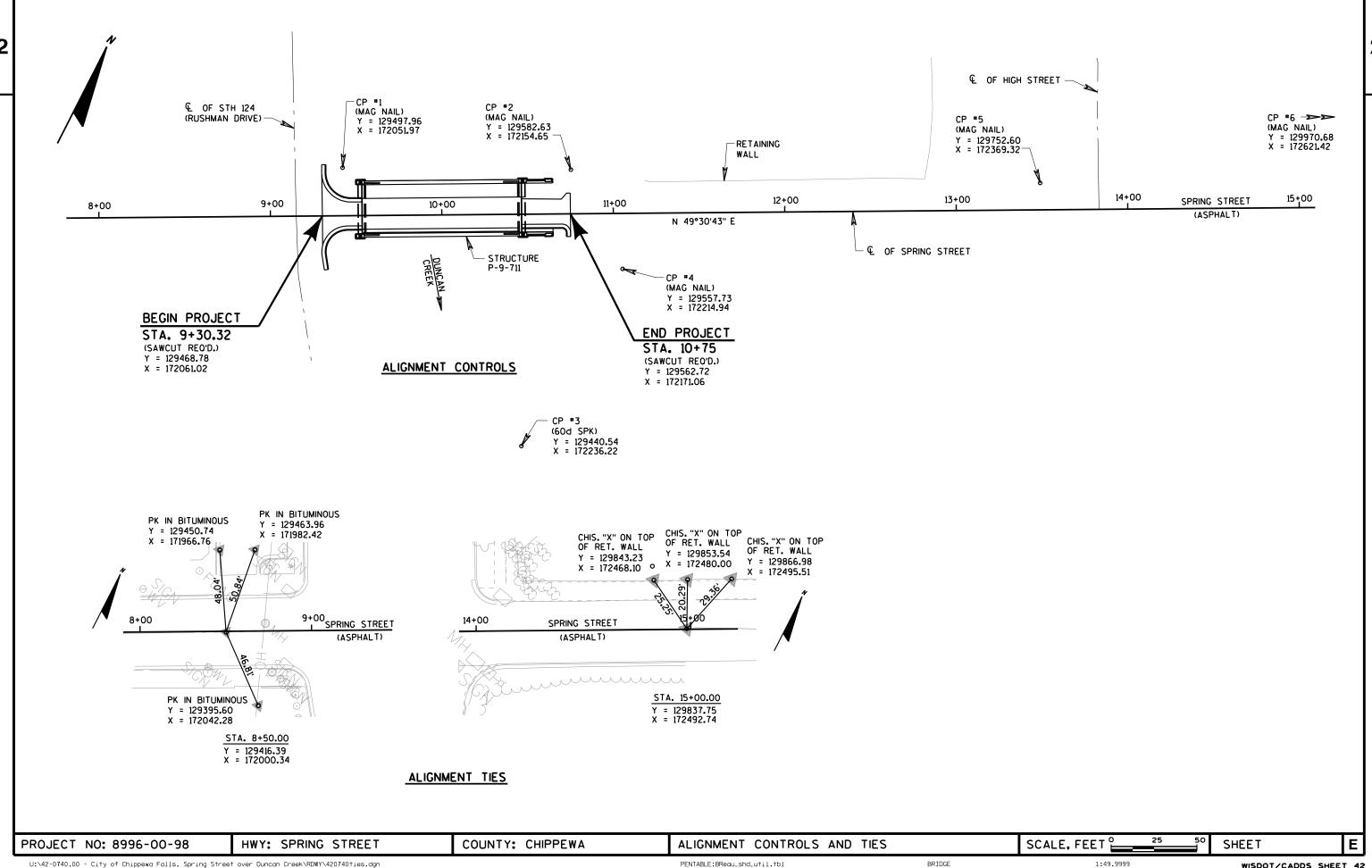
 \triangle 0.2% - 2.0% (\bar{x} = 1.2%)

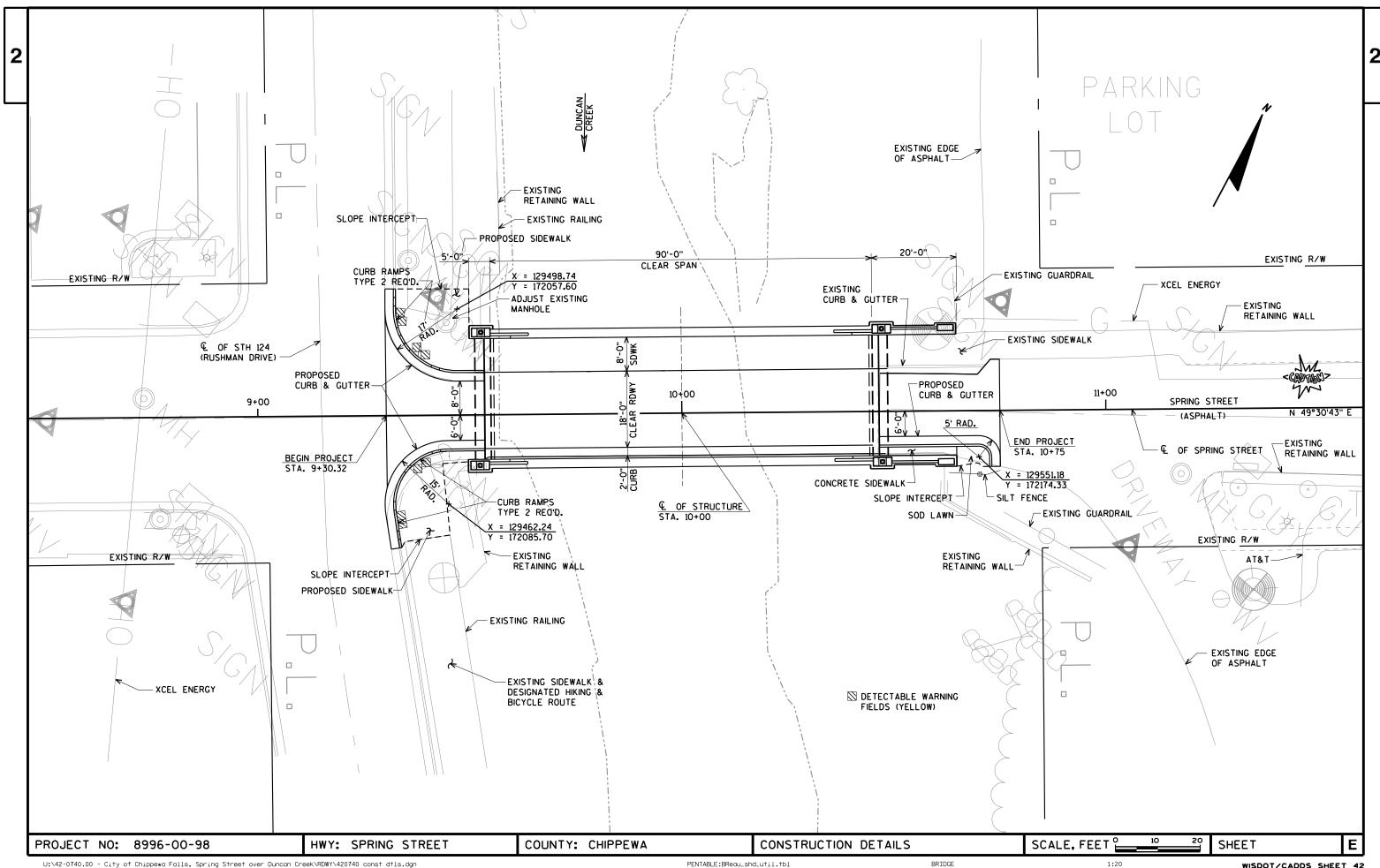
 \triangle 0.6% - 1.4% (\bar{x} = 1.0%)

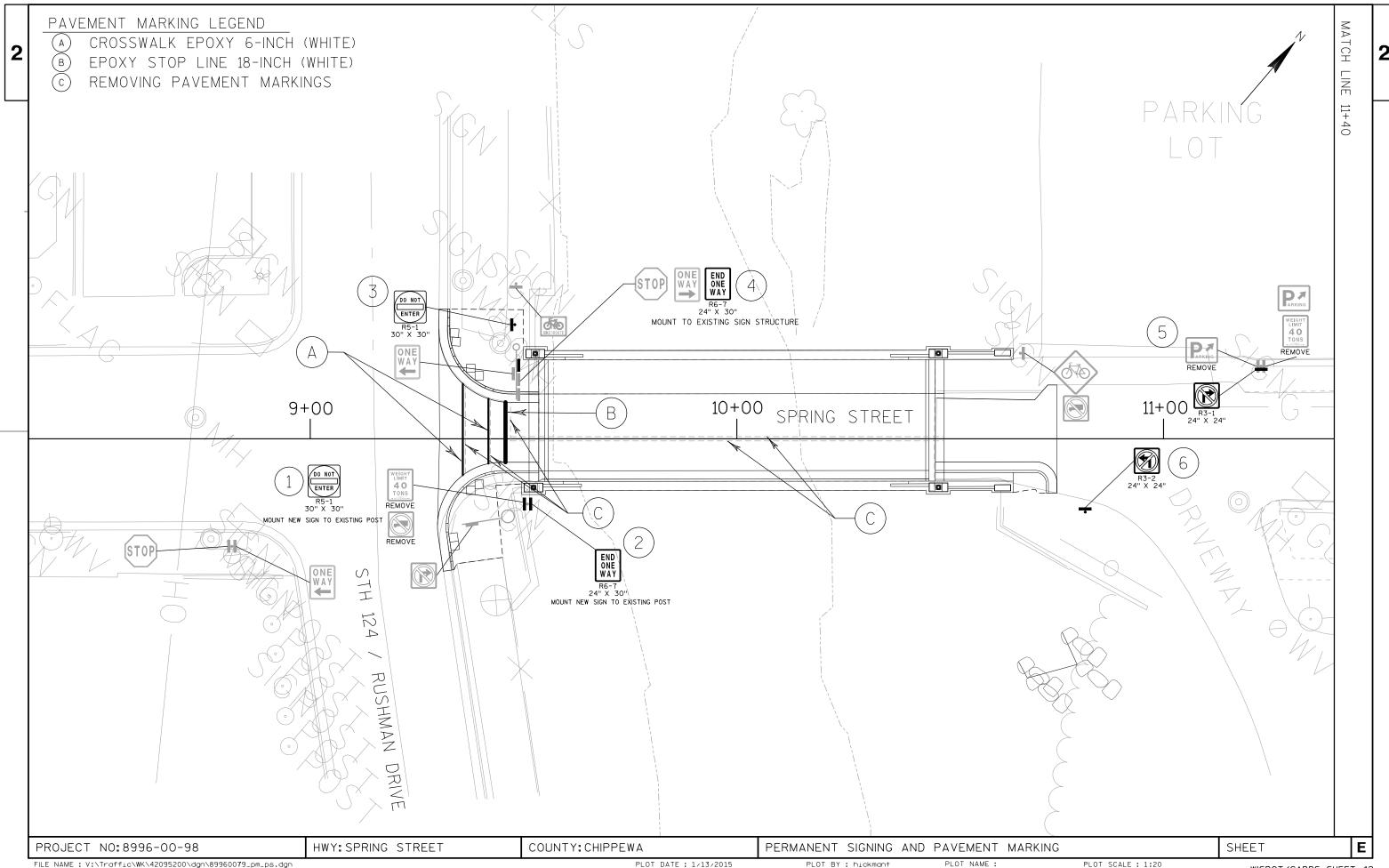
3433 OAKWOOD HILLS PARKWAY mcmahonc@AyresAssociates.com

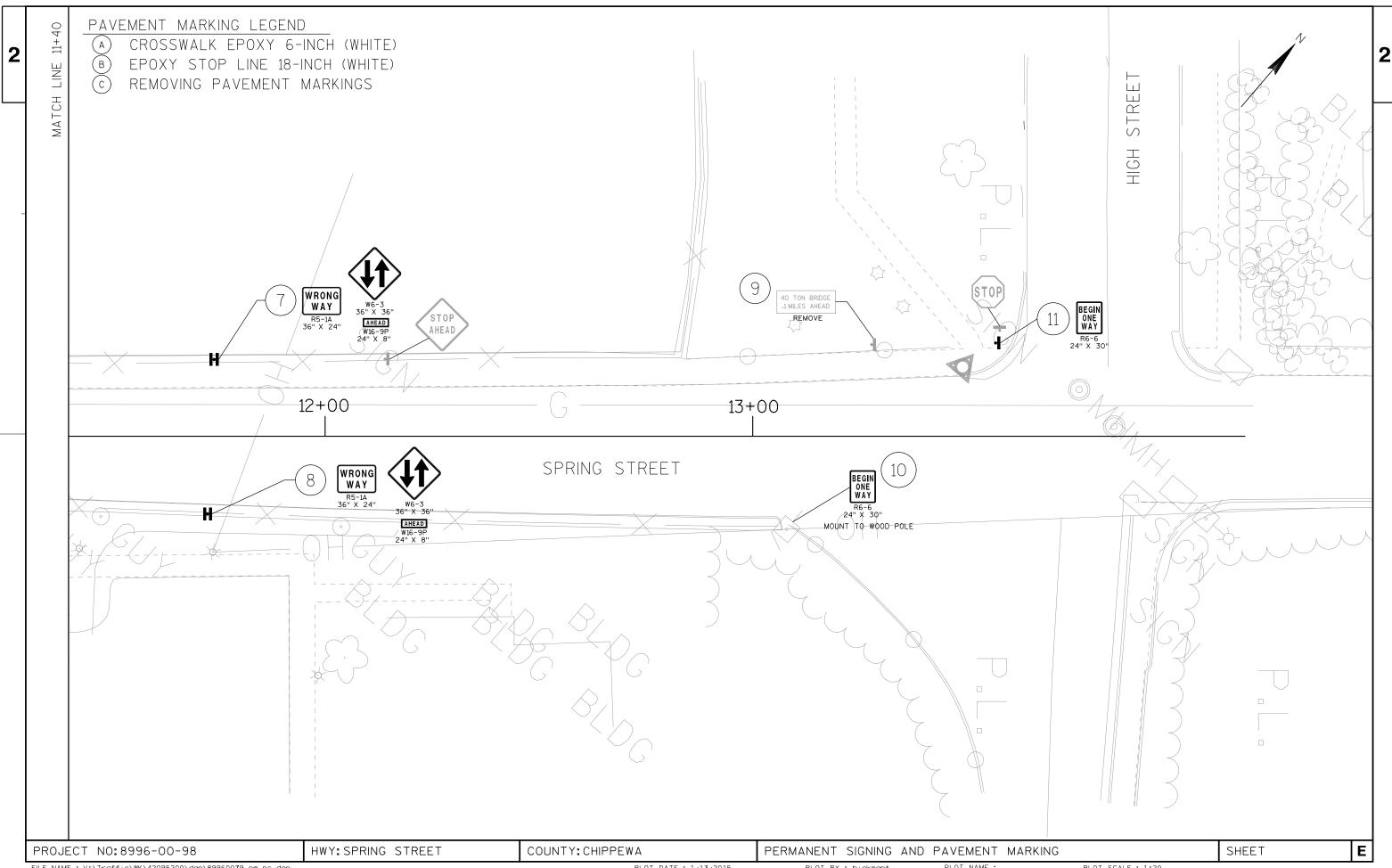
PROJECT NO: 8996-00-98 HWY: SPRING STREET

PENTABLE:BReau_shd_util.tbl









DATE 04	IMAR15	E S	ГІМАТ	E OF QUAN	
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	8996-00-98 QUANTI TY
0010	204. 0110	Removing Asphaltic Surface	SY	125. 000	125. 000
0020	204. 0150	Removing Curb & Gutter	LF	78. 000	78. 000
0030	204. 0155	Removing Concrete Sidewalk	SY	55.000	55. 000
0040	211. 0100	Prepare Foundation for Asphaltic Paving (project) 01. 8996-00-98	LS	1. 000	1. 000
0050	213. 0100	Finishing Roadway (project) 01. 8996-00-98	EACH	1.000	1. 000
0060	455. 0605	Tack Coat	GAL	8. 000	8. 000
0070	465. 0105	Asphaltic Surface	TON	25. 000	25. 000
0800	502. 0100	Concrete Masonry Bridges	CY	5. 000	5. 000
0090	502. 3200	Protective Surface Treatment	SY	275.000	275.000
0100	502. 5002	Masonry Anchors Type L No. 4 Bars	EACH	224. 000	224. 000
0110	505. 0605	Bar Steel Reinforcement HS Coated Bridges	LB	450. 000	450. 000
0120	509. 0301	Preparation Decks Type 1	SY	3.000	3.000
0130	509. 0302	Preparation Decks Type 2	SY	3.000	3. 000
0140	509. 2000	Full-Depth Deck Repair	SY	1.000	1. 000
0150	509. 2500	Concrete Masonry Overlay Decks	CY	15. 000	15. 000
0160	509. 9005. 5	Removing Concrete Masonry Deck Overlay (structure) 01. P-09-0711	SY	210. 000	210. 000
0170	517. 1010. \$	Concrete Staining (structure) 01. P-09-0711	SF	4, 800. 000	4, 800. 000
0180	601. 0411	Concrete Curb & Gutter 30-Inch Type D	LF	115. 000	115. 000
0190	602. 0405	Concrete Sidewalk 4-Inch	SF	590.000	590.000
0200	602. 0505	Curb Ramp Detectable Warning Field Yellow	SF	32. 000	32. 000
0210	611. 8110	Adjusting Manhole Covers	EACH	1. 000	1. 000
0220	619. 1000	Mobilization	EACH	1.000	1.000
0230	625. 0105	Topsoi I	CY	1.000	1. 000
0240 0250	628. 1504 628. 1520	Silt Fence Silt Fence Maintenance	LF LF	20. 000 20. 000	20. 000 20. 000
0260	628. 1905	Mobilizations Erosion Control	EACH	1.000	1. 000
0270	628. 1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0280 0290	631. 1000 634. 0614	Sod Lawn Posts Wood 4x6-Inch X 14-FT	SY EACH	5. 000 2. 000	5. 000 2. 000
0300	634. 0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	1. 000	1. 000
0310 0320	634. 0818 637. 2220	Posts Tubular Steel 2x2-Inch X 18-FT	EACH SF	2. 000 73. 170	2. 000 73. 170
0320	637. 2220 638. 2602	Signs Type II Reflective SH Removing Signs Type II	SF EACH	73. 170 5. 000	73. 170 5. 000
0340	642. 5001		EACH	1. 000	1. 000
0350	643. 0100	Traffic Control (project) 01. 8996-00-98		1. 000	1. 000
0360	646. 0600	Removing Pavement Markings	LF	247. 000	247. 000
0360	647. 0566	Pavement Marking Stop Line Epoxy 18-Inch		15. 000	15. 000
0380	647. 0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	45. 000	45. 000
0390	650. 5000	Construction Staking Base	LF	52.000	52.000
0400	650. 5500	Construction Staking Curb Gutter and	LF	115. 000	115. 000
		Curb & Gutter			
0410	650. 9910	Construction Staking Supplemental	LS	1. 000	1. 000
A /	.=:	Control (project) 01. 8996-00-98		_	_
0420	650. 9920	Construction Staking Slope Stakes	LF	9.000	9. 000
0430 0440	690. 0150 690. 0250	Sawing Asphalt Sawing Concrete	LF LF	77. 000 45. 000	77. 000 45. 000
0440	715. 0502	Incentive Strength Concrete Structures	DOL	500. 000	500. 000
0460	SPV. 0105	Special 01. Painting Existing Steel Gas Line	LS	1. 000	1. 000
		Line			

DATE 04 LINE	MAR15		E S T I M A T E	OF QUANT	I T I E S 8996-00-98
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0470	SPV. 0165	Special 01. Fiber Wrap Reinforcing	SF	4, 500. 000	4, 500. 000
0480	SPV. 0165	Special 02. Concrete Surface Repair Special	SF	1, 100. 000	1, 100. 000

3

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204.0110	REMOVING	ASPHALTIC	SURFACE	(CATEGORY	0010)

STATION TO STATION	LOCATION	SY	
Sta. 9+30.32 to Sta. 9+53.50 Sta. 10+46.50 to Sta. 10+75	Mainline Mainline	60 65	
TOTAL		125	

204.0150 REMOVING CURB & GUTTER (CATEGORY 0010)

STATI	ON TO ST	[TAT	ION	LOCATION	LF
	9+30.32 9+30.32			RT LT	40 38
ТОТАТ.					78

204.0155 REMOVING CONCRETE SIDEWALK (CATEGORY 0010)

STATION TO STATION	LOCATION	SY	
Sta. 9+30.32 to Sta. 9+45	RT	20	
Sta. 9+30.32 to Sta. 9+53.50	LT	35	
TOTAL		55	

211.0100 PREPARE FOUNDATION FOR ASPHALTIC PAVING (CATEGORY 0010)

LOCATION	LS
	_
PROJECT 8996-00-98	1

213.0100 FINISH ROADWAY (CATEGORY 0010)

LOCATION	EACH
	_
PROJECT 8996-00-98	1

455.0605 TACK COAT (CATEGORY 0010)

STATION TO STATION	LOCATION	GAL
Sta. 9+30.32 to Sta. 9+53.50 Sta. 10+46.50 to Sta. 10+75	Mainline Mainline	4 4
TOTAL		8

465.0105 ASPHALTIC SURFACE (CATEGORY 0010)

STATION TO STATION	LOCATION	TON
Sta. 9+30.32 to Sta. 9+53.50 Sta. 10+46.50 to Sta. 10+75	Mainline Mainline	12.5 12.5
TOTAL		25

601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D (CATEGORY 0010)

STATION TO STATION	LOCATION	LF
Sta. 9+30.32 to Sta. 9+53.50 Sta. 9+30.32 to Sta. 9+53.50 Sta. 10+46.50 to Sta. 10+75	RT LT RT	43 38 34
TOTAL		115

602.0405 CONCRETE SIDEWALK 4-INCH (CATEGORY 0010)

STATION TO STATION	LOCATION	SF
Sta. 9+30.32 to Sta. 9+53.50 Sta. 9+30.32 to Sta. 9+53.50 Sta. 10+46.50 to Sta. 10+65	RT LT RT	235 315 40
TOTAL		590

602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW (CATEGORY 0010)

STATION TO STATION	LOCATION	SF
Sta. 9+33	25' RT	8
Sta. 9+33	23' LT	8
Sta. 9+39	10' RT	8
Sta. 9+39	13' LT	8
TOTAL		32

611.8110 ADJUSTING MANHOLE COVER (CATEGORY 0010)

STATION	LOCATION	EACH
Sta. 9+45	22' LT	1

619.1000 MOBILIZATION

LOCATION	EACH
PROJECT 8996-00-98 (CATEGORY 0010) PROJECT 8996-00-98 (CATEGORY 0020)	0.1
TOTAL	1

625.0105 TOPSOIL (CATEGORY 0010)

STATION TO STATION	LOCATION	CY
Sta. 10+65 to Sta. 10+72.50 Undistributed	RT	0.8
TOTALS		1

SILT FENCE (CATEGORY 0010)

STATION TO STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
Sta. 10+63 to Sta. 10+75 Undistributed	RT	15 5	15 5
TOTALS		20	20

MOBILIZATIONS EROSION CONTROL & EMERGENCY EROSION CONTROL (CATEGORY 0010)

	628.1905	628.1910
	MOBILIZATIONS	MOBILIZATIONS EMERGENCY
	EROSION CONTROL	EROSION CONTROL
LOCATION	EACH	EACH
PROJECT 8996-00-98	1	1

631.1000 SOD LAWN (CATEGORY 0010)

STATION TO STATION	LOCATION	SY
Sta. 10+65 to Sta. 10+72.50 Undistributed	RT	4
TOTALS		5

642.5001 FIELD OFFICE TYPE B (CATEGORY 0010)

642.5001 FIELD OFFICE TYPE 1	B (CATEGORY 0010)	643.0100 TRAFFIC CONTRO	OL (CATEGORY 0010)
LOCATION	EACH	LOCATION	EACH
PROJECT 8996-00-98	1	PROJECT 8996-00-98	1

CONSTRUCTION STAKING

CATEGORY	LOCATION	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.9910 SUPPLEMENTARY CONTROL LS	650.9920 SLOPE STAKES LF
0010	Sta. 9+30.32 to Sta. 10+75	52	115	1	9
0020	P-09-0711				

690.0150 SAWING ASPHALT (CATEGORY 0010)

STATION	LOCATION	LF
Sta. 9+30.32 Sta. 10+75	Mainline Mainline	52 25
TOTAL		77

690.0250 SAWING CONCRETE (CATEGORY 0010)

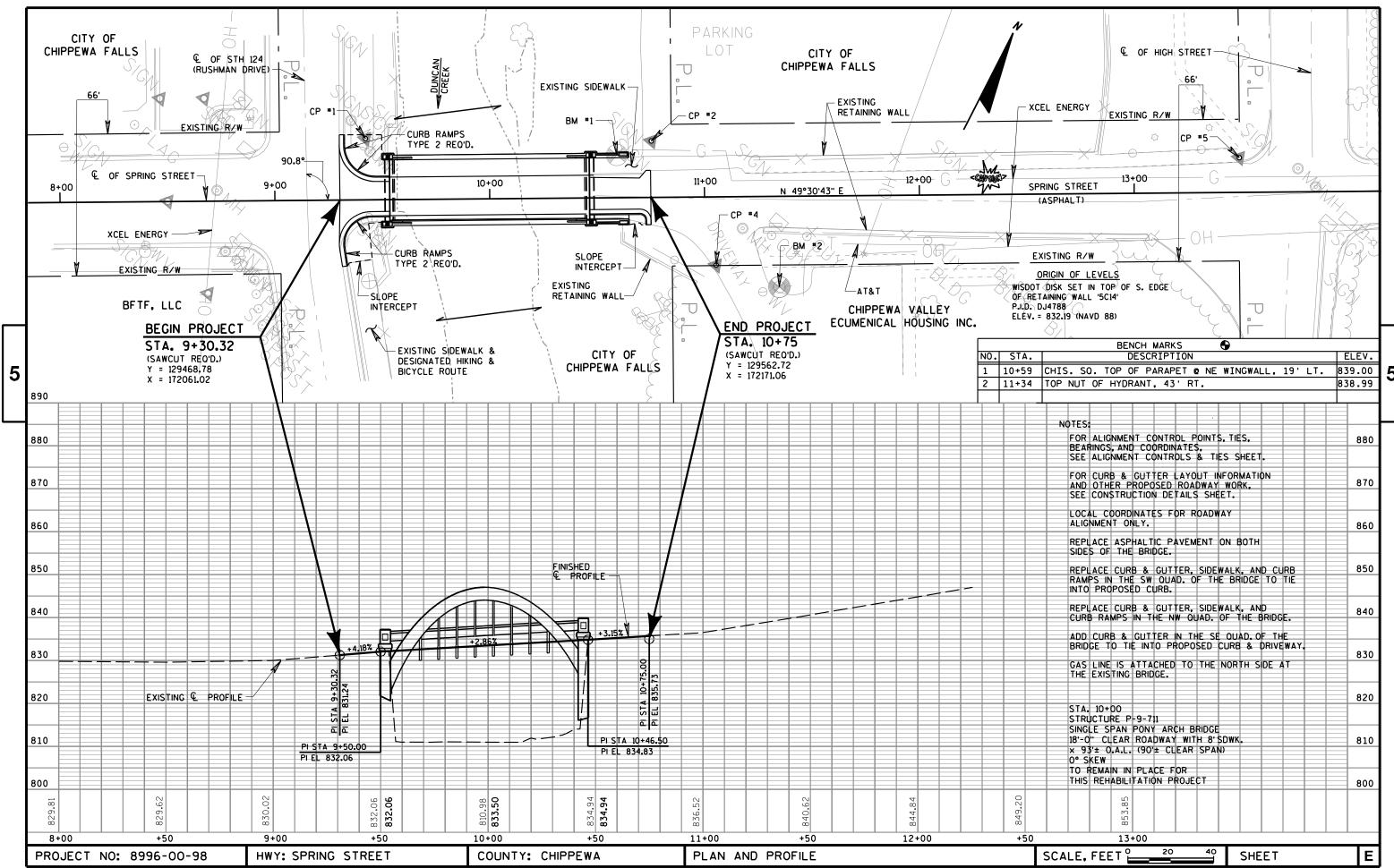
STAT	ION TO ST	TATION	LOCATION	LF
	9+30.32 9+30.32		RT LT	19 26
TOTAI				45

3

	PAVEMENT N	IARKING	
	646.0600	647.0566	647.0766
	REMOVING	STOP LINE EPOXY	CROSSWALK
	PAVEMENT	18-INCH	EPOXY 6-INCH
	MARKINGS	(WHITE)	(WHITE)
LOCATION	LF	LF	LF
STA. 9+00 TO STA. 14+00	247	15	45

				F	PERMANENT SI	IGNING			
				637.2220	634.0614	634.0812	634.0818	638.2602	
					POSTS WOOD	POSTS TUBULAR	POSTS TUBULAR	REMOVING	
				SIGNS TYPE II	4X6-INCH	STEEL 2X2-INCH	STEEL 2X2-INCH	SIGNS	
				REFLECTIVE SH	X 14-FT	X 12-FT	X 18-FT	TYPE II	
SIGN NO.	SIGN CODE*	WIDTH (IN)	HEIGHT (IN)	SF	EACH	EACH	EACH	EACH	NOTES
1	R5-1	30	30	6.25				2	MOUNT TO EXISTING SIGN POLE
2	R6-7	24	30	5.00					MOUNT TO EXISTING SIGN POLE W/ SIGN NO
3	R5-1	30	30	6.25	1				
4	R6-7	24	30	5.00					MOUNT TO SIGN STRUCTURE
5	R3-1	24	24	4.00				2	
6	R3-2	24	24	4.00		1			
7	R5-1A	36	24	6.00			1		
	W6-3	36	36	9.00					MOUNT W/ SIGN NO. 7
	W16-9P	24	8	1.33					MOUNT W/ SIGN NO. 7
8	R5-1A	36	24	6.00			1		
	W6-3	36	36	9.00					MOUNT W/ SIGN NO. 8
	W16-9P	24	8	1.33					MOUNT W/ SIGN NO. 8
9								1	
10	R6-6	24	30	5.00					MOUNT TO WOOD POLE
11	R6-6	24	30	5.00	1				
				73.17	2	1	2	5	

^{*}ALL SIGNS ARE SIGN SIZE 2S

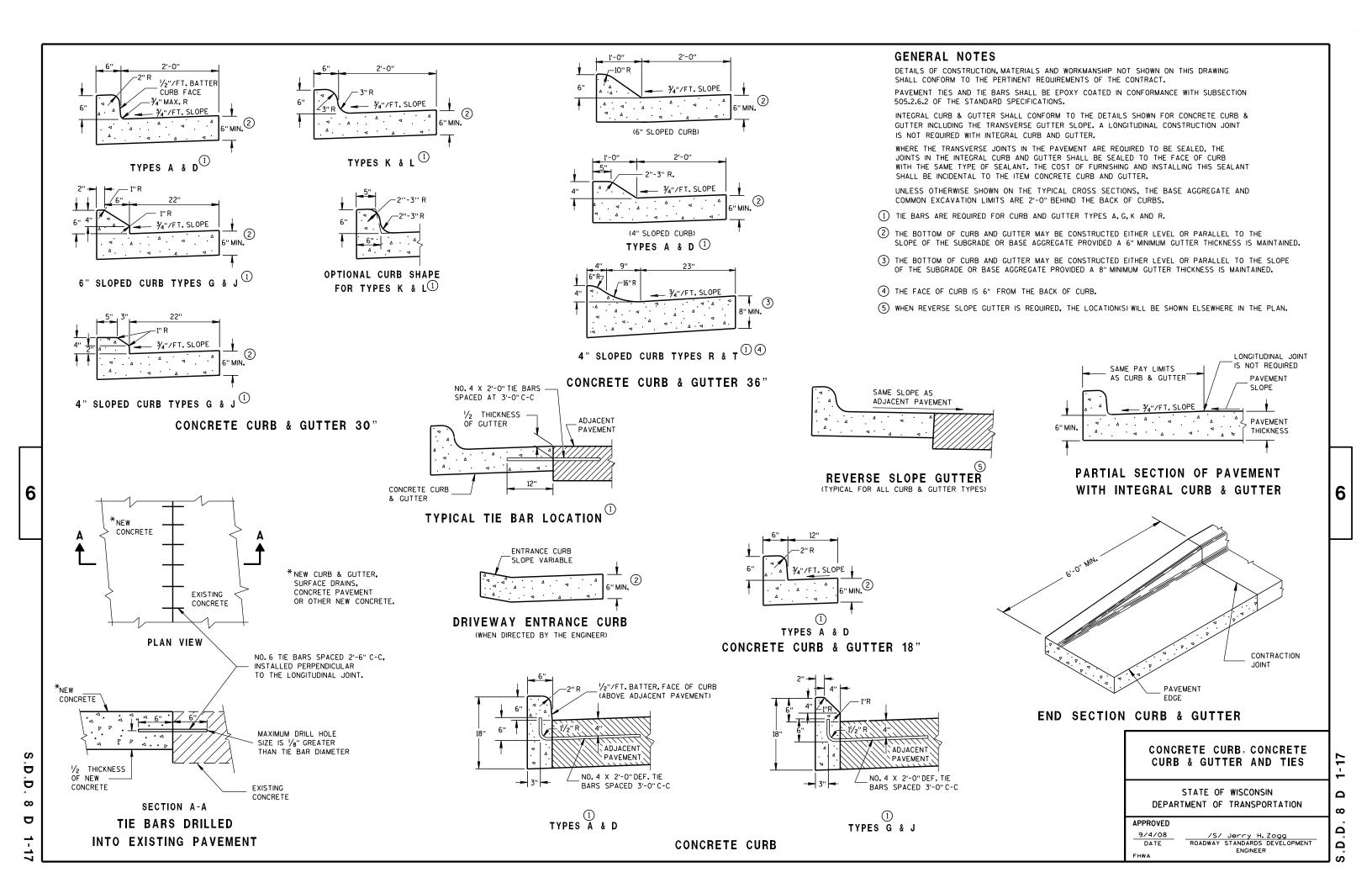


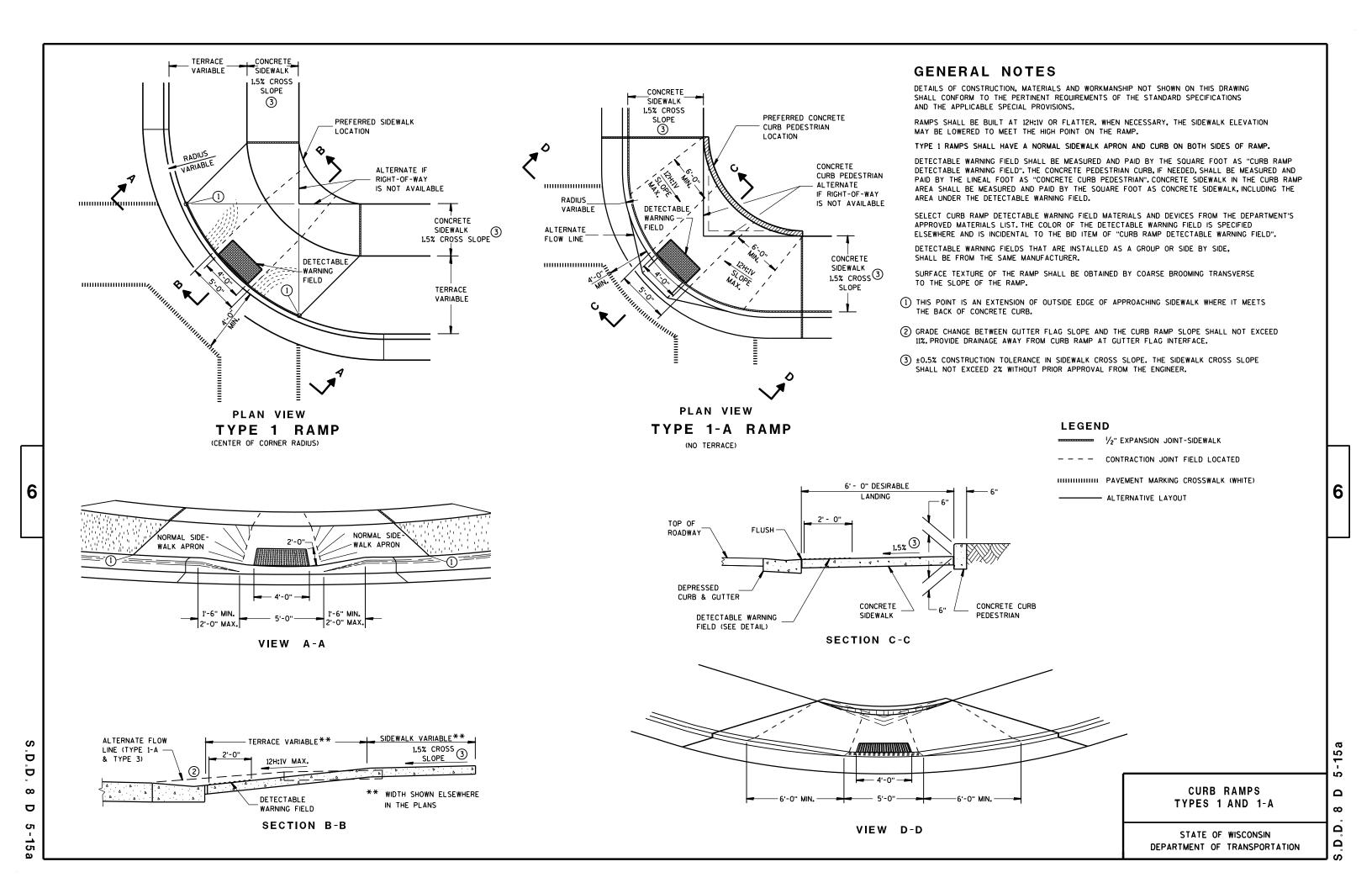
BRIDGE

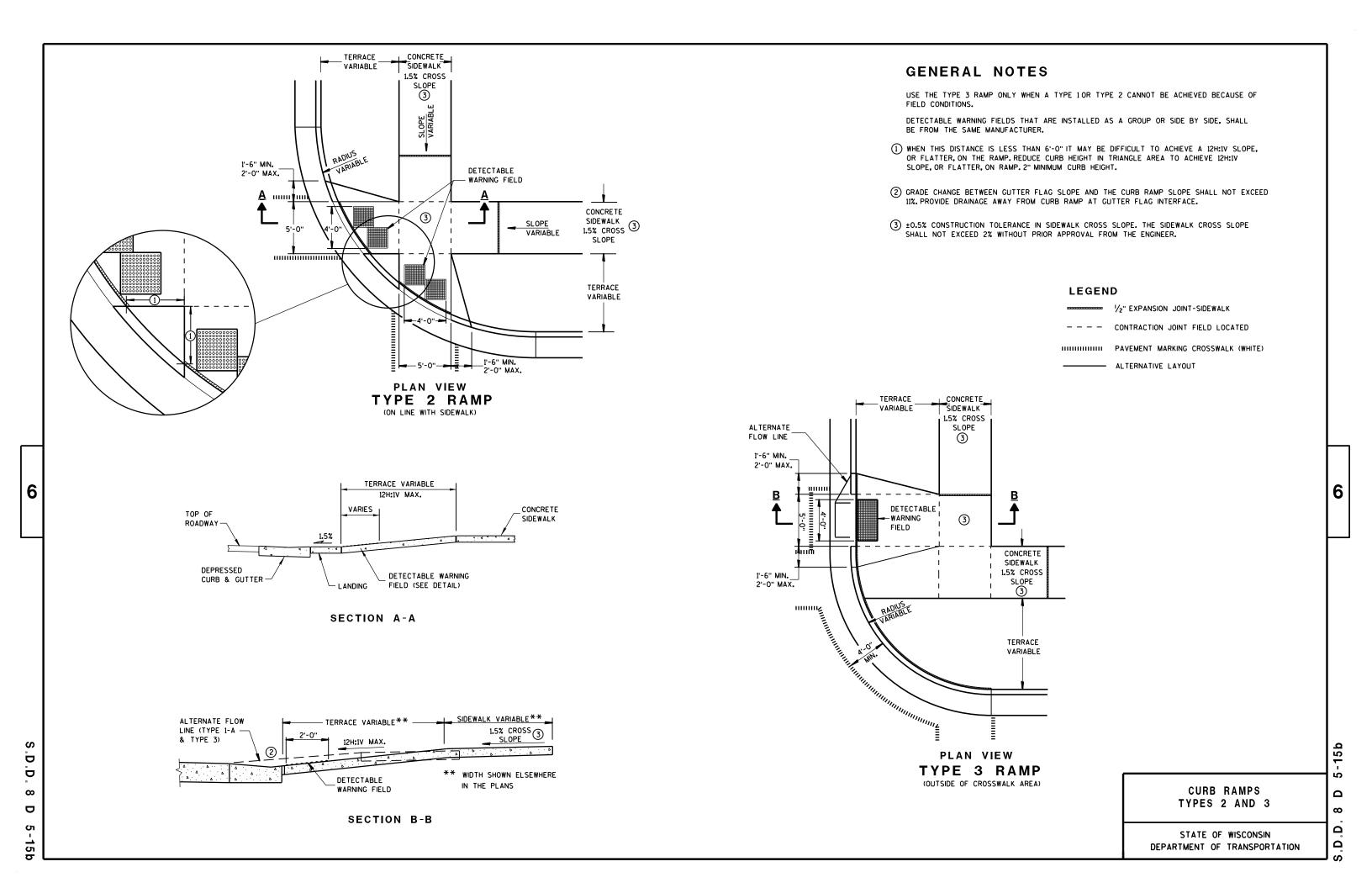
Standard Detail Drawing List

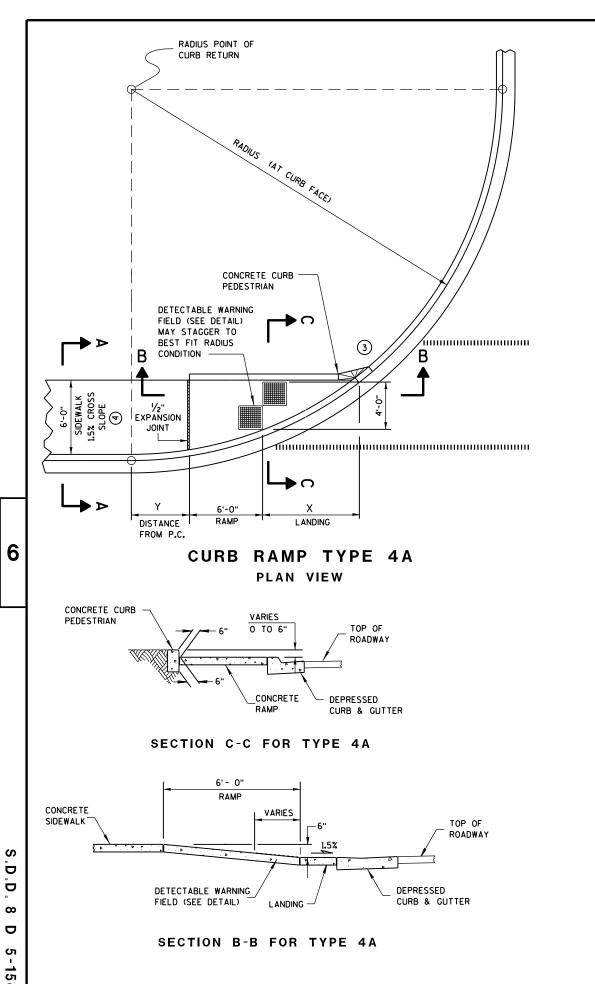
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D05-15A	CURB RAMPS TYPES 1 AND 1-A
08D05-15B	CURB RAMPS TYPES 2 AND 3
08D05-15C	CURB RAMPS TYPES 4A AND 4A1
08D05-15D	CURB RAMPS TYPE 4B AND 4B1
08D05-15E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E09-06	SILT FENCE
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING

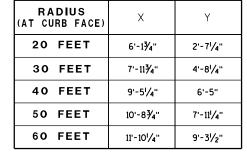
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GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE.

4 ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS

SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

ISOMETRIC VIEW FOR TYPE 4A

ISOMETRIC VIEW FOR TYPE 4A1

₩ 1/2" EXPANSION JOINT-SIDEWALK

HIHIHIHIH PAVEMENT MARKING CROSSWALK (WHITE)

CONTRACTION JOINT FIELD LOCATED

CURB RAMPS

TYPES 4A AND 4A1

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

LEGEND

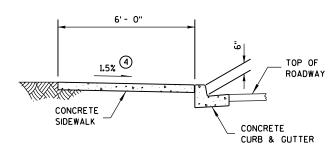
OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

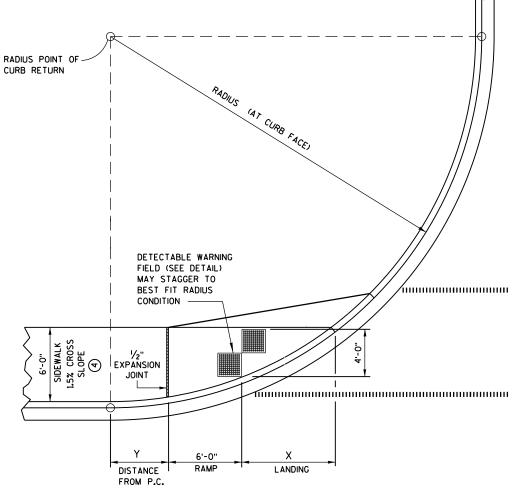
(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

SHALL BE FROM THE SAME MANUFACTURER.

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

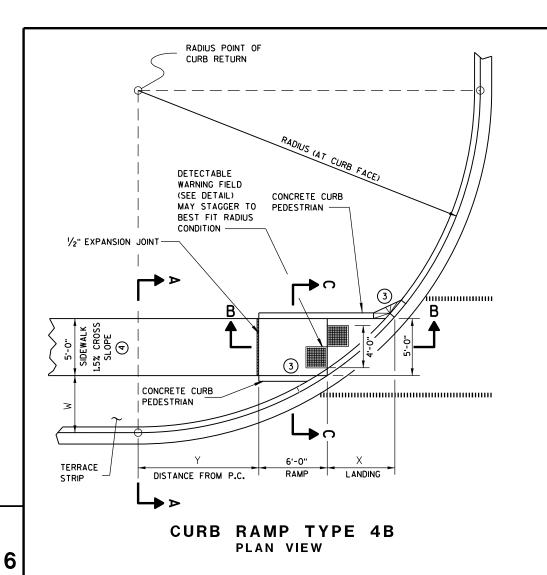


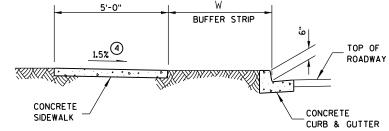
CURB RAMP TYPE 4A1
PLAN VIEW

15c

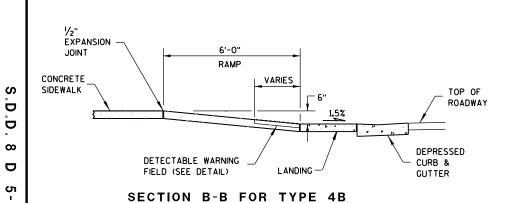
6

D.D. 8 D 5





SECTION A-A FOR TYPE 4B



LEGEND

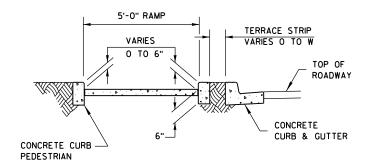
/2" EXPANSION JOINT-SIDEWALK

---- CONTRACTION JOINT FIELD LOCATED

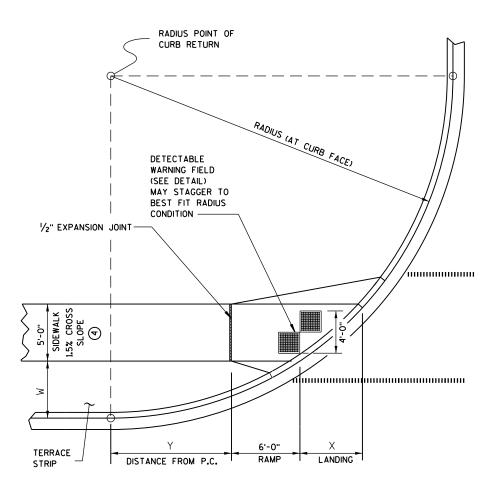
HIHIHIHIH PAVEMENT MARKING CROSSWALK (WHITE)

RADIUS	W =	3' - Ø"	W =	4' - Ø"	W =	5′ - 0"	W =	6′ - Ø"	W =	7' - Ø"
(AT CURB FACE)	X	Y	X	Υ	X	Y	X	Y	X	Y
20 FEET	5'-51/2"	4'-61/2"	4'-81/2"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-31/2"	3'-11/2"	9'-21/2"
30 FEET	7'-3¾"	7'-1"	6'-51/2"	8'-11'/2"	5'-91/4"	10'-7"	5'-21/2"	12'-0"	4'-8¾"	13'-3'/4"
40 FEET	8'-91/2"	9'-21/2"	7'-10"	11'-5'/4"	7'-1"	13'-41/2"	6'-5¾"	15'-¾"	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'-21/2"	12'-8¾"	10'-¾"	15'-61/2"	9'-21/4"	17'-11¾"	8'-5¾"	20'-1¾"	7'-101/2"	22'-11/2"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION C-C FOR TYPE 4B



CURB RAMP TYPE 4B1
PLAN VIEW

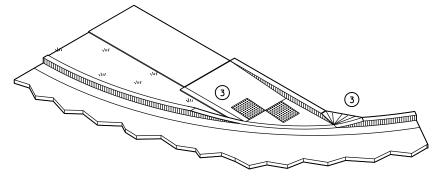
GENERAL NOTES

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

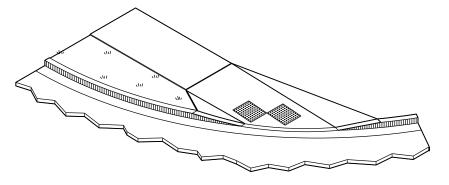
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

- (3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.
- (4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



ISOMETRIC VIEW FOR TYPE 4B



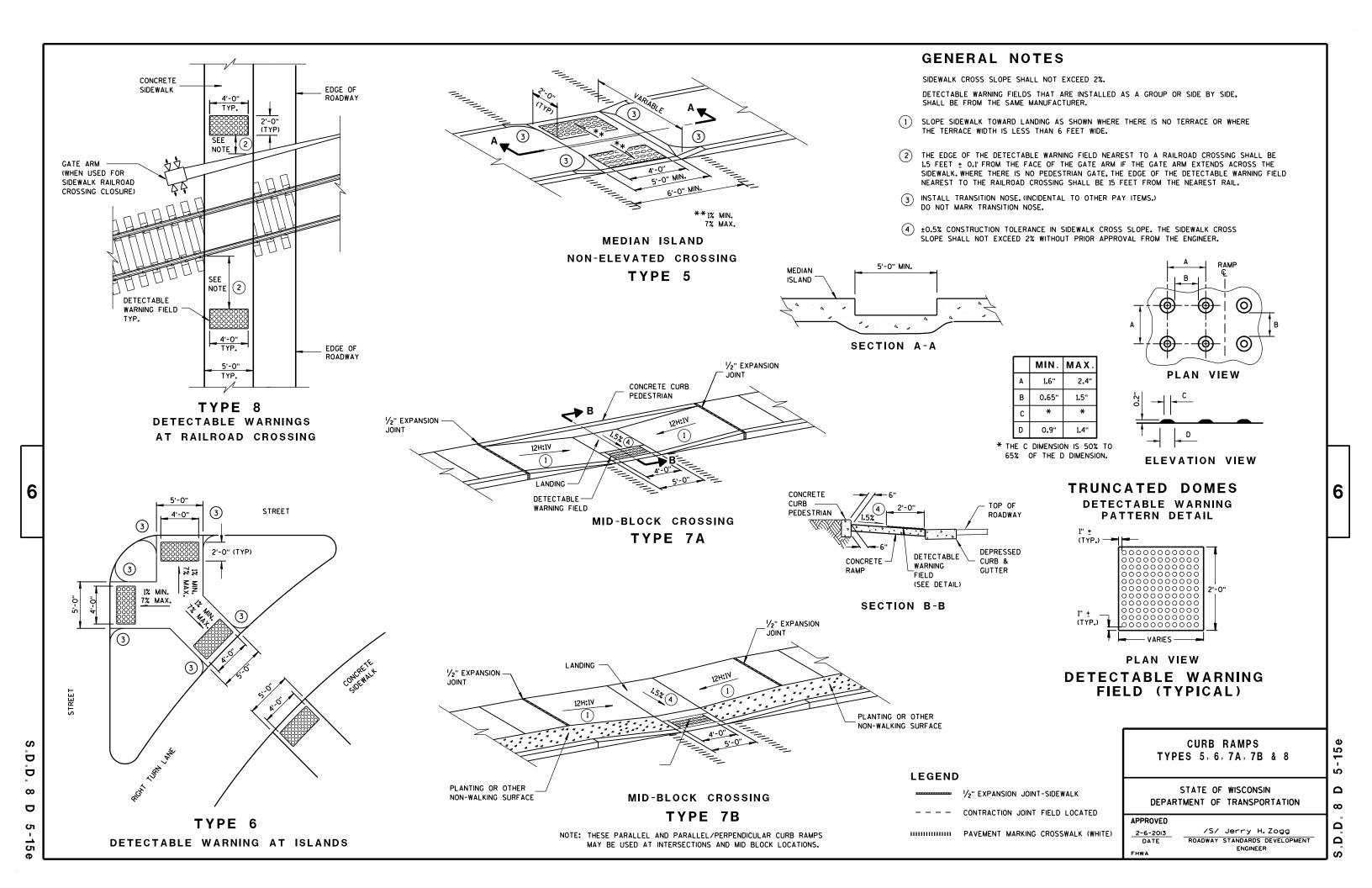
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS Type 4B and 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

D.D. 8 D 5-15d

6



TYPICAL APPLICATION OF SILT FENCE

6

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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

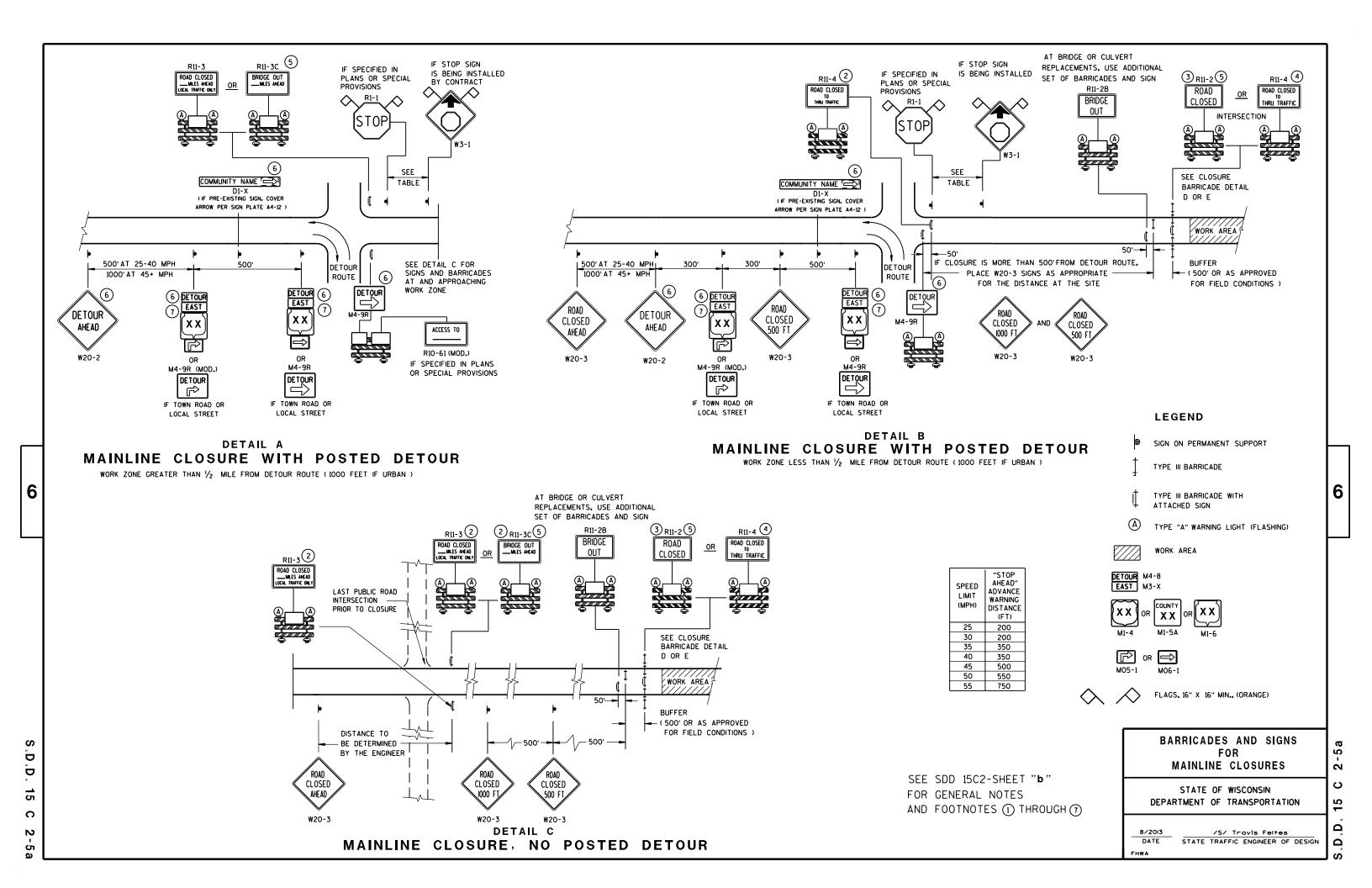
APPROVED
4-29-05 /S/ Beth Cannestra

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

6

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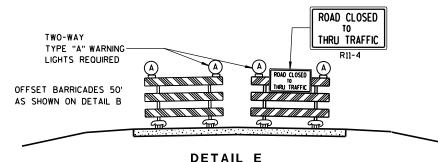
D.D. 8 E 9



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

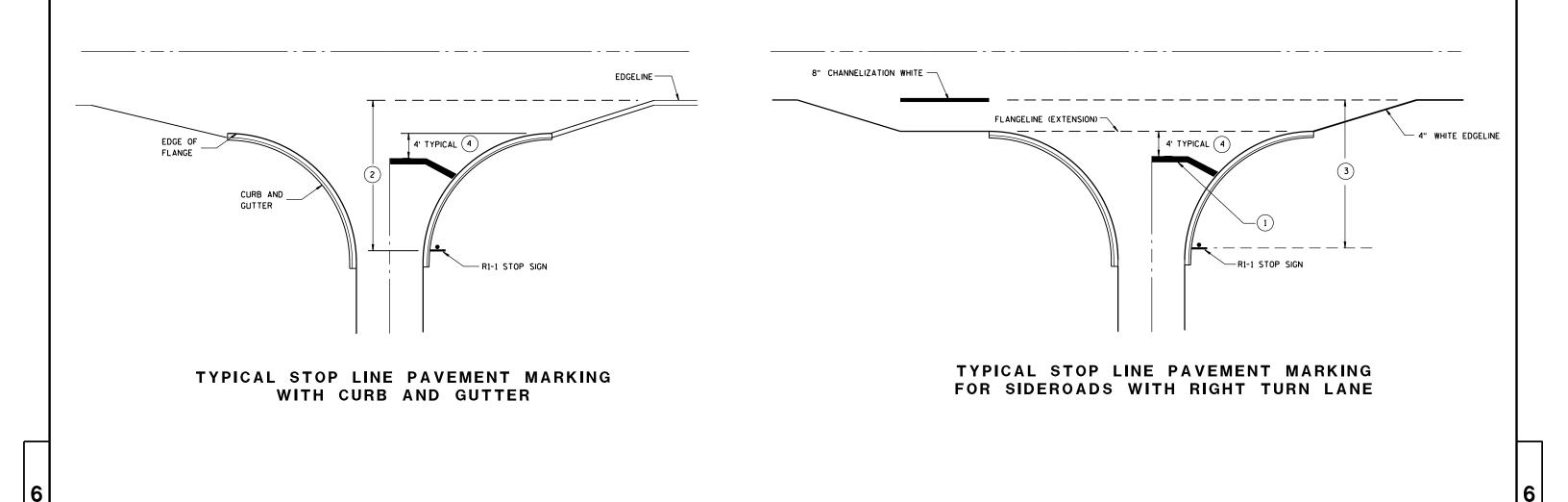
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

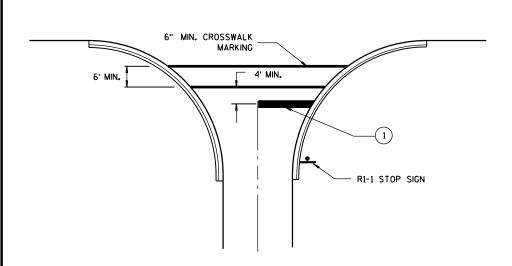
/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

2

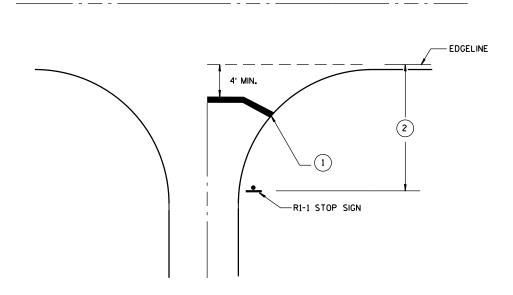
Δ

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

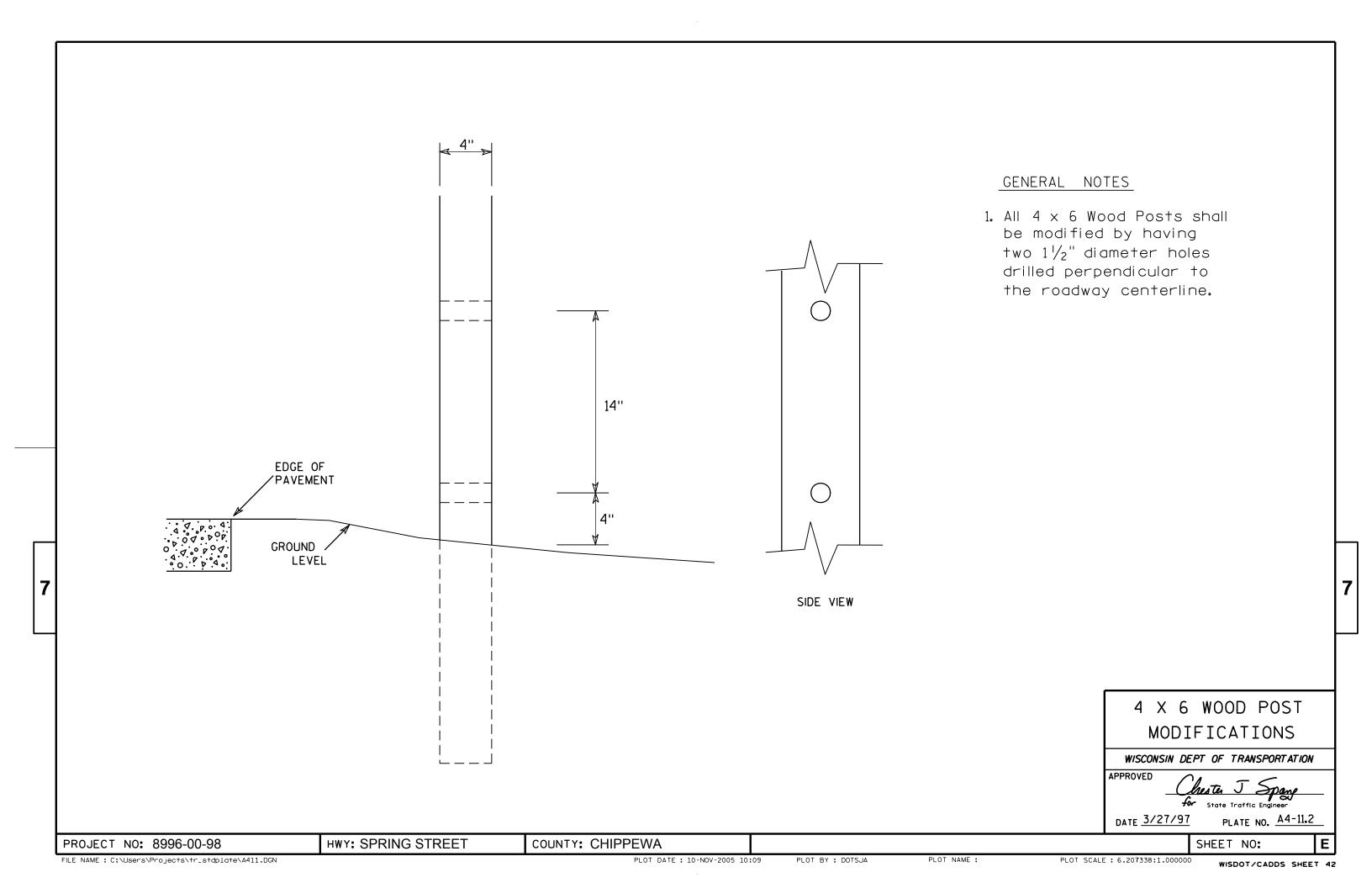
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

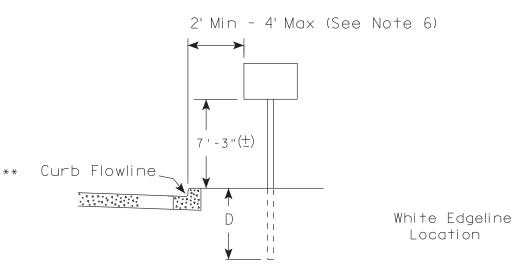
.D.D. 15 C 33-1

S.D.D.

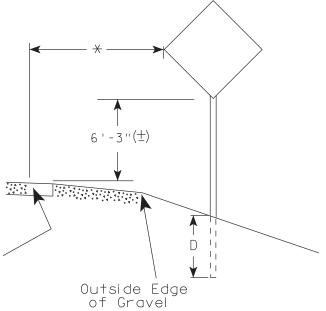
33



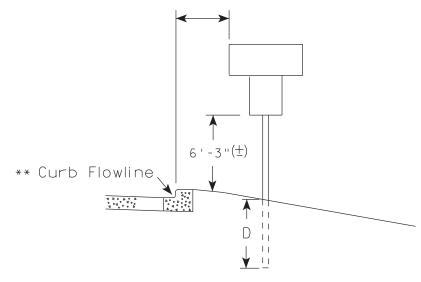
URBAN AREA



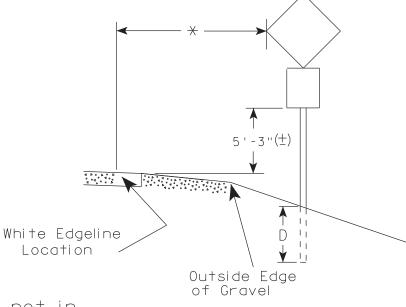
RURAL ARFA (See Note 2)



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



measured from the flow line.



** 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

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

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is 7'- 3" (+) or 6'-3" (+) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A4-5) 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''(+).
- 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 stop signs (R1-1F) shall be mounted at a height of 5'-3" (+) or as directed 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) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (+).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

For State Traffic Engineer

DATE <u>9/3</u>0/13

PLATE NO. A4-3.18

PROJECT NO: 8996-00-98

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

HWY: SPRING STREET

COUNTY: CHIPPEWA

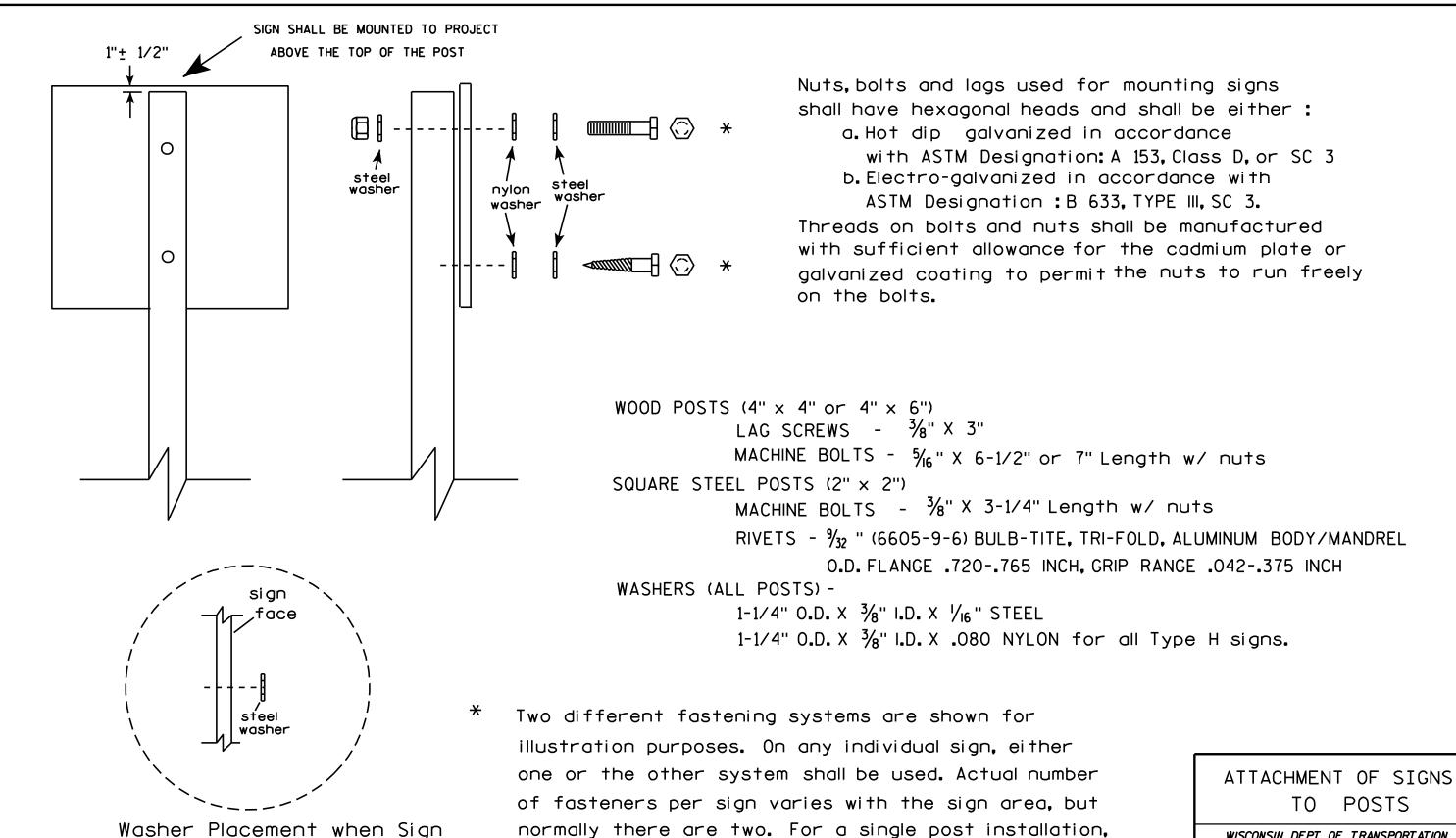
PLOT NAME :

WISDOT/CADDS SHEET 42

PLOT DATE: 30-SEP-2013 13:25

PLOT BY: mscj9h

PLOT SCALE: 99.237937:1.000000



normally there are two. For a single post installation, all signs greater than 9 sq.ft. require the use of 3 fasteners.

WISCONSIN DEPT OF TRANSPORTATION

Matther For State Traffic Engineer

SHEET NO:

DATE 3/23/10

PLATE NO. 44-8.7

PROJECT NO: 8996-00-98

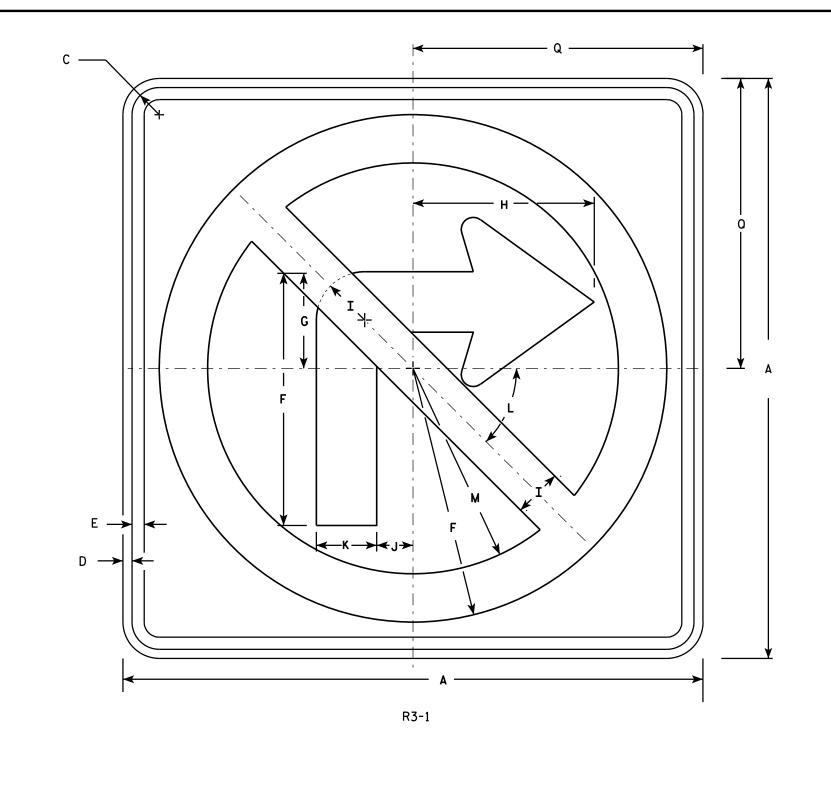
HWY: SPRING STREET

Has Other Than Type H or

Type F Face

COUNTY: CHIPPEWA

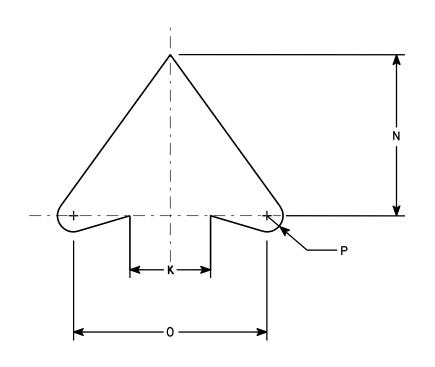
PLOT DATE: 23-MAR-2010 10:15 PLOT BY: ditjph



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

Background - White Message - See note 4

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



ARROW DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45 °	8 1/2	5	6	1/2	12										4.0
2M	36		1 1/8	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 1/8	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 1/8	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0
PRO	JECT	NO:	8996-0	00-98			1	HWY: SF	PRIN	G STR	EET		СО	UNTY:	CHIF	PEWA	۸										

STANDARD SIGN R3-1

WISCONSIN DEPT OF TRANSPORTATION

DATE 12/08/10 PLATE NO. R3-1.5

SHEET NO:

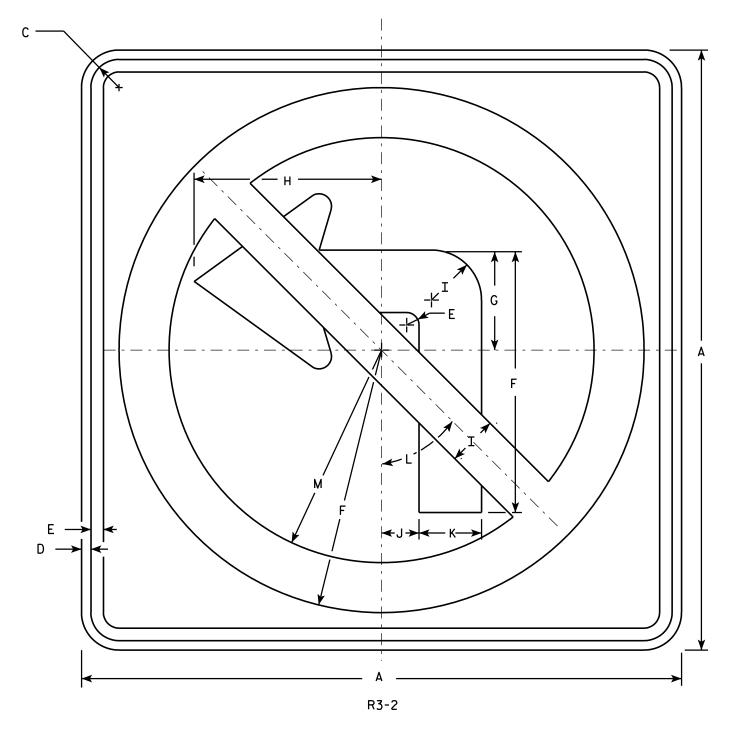
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R31.DGN

PLOT DATE: 08-DEC-2010 13:23

PLOT NAME :

PLOT BY: dotsja

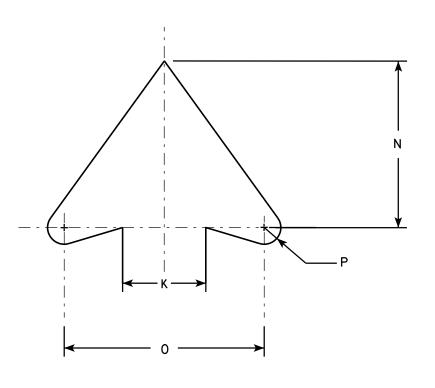
PLOT SCALE: 5.959043:1.000000



- 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 & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	Ι	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Are
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
25	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 1/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.

COUNTY: CHIPPEWA

HWY: SPRING STREET

STANDARD SIGN R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 $f_{\it or}$ State Traffic Engineer PLATE NO. R3-2.10

DATE 12/08/10

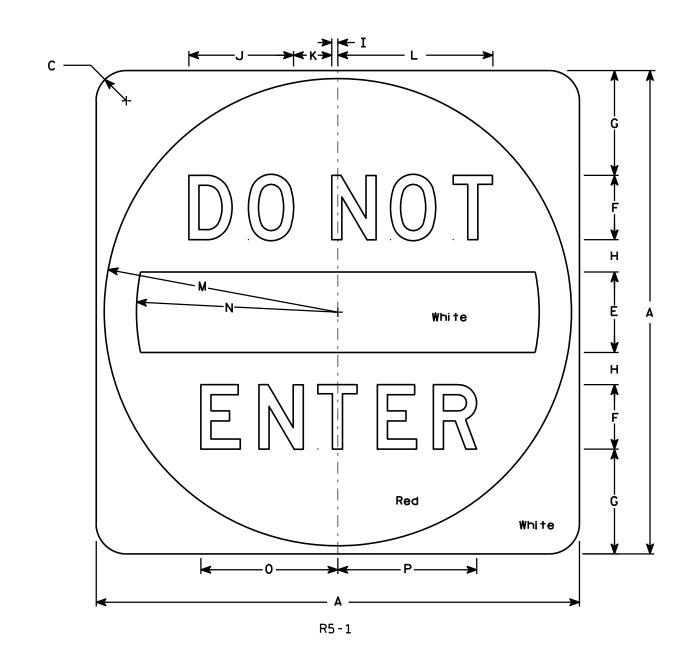
SHEET NO:

PROJECT NO: 8996-00-98

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

Background - See detail Message - White - Type H Reflective

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	Ν	0	Р	0	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 1/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 %	14 1/2	12 1/2	8 1/2	8 %											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 ¾											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 ¾											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 %	14 1/2	23 ½	20	12 3/4	12 1/8											16.0
PRO	JECT	NO:	8996-0	0-98			нм	VY: SF	PRING	STRE	ET		COUN	TY: C	HIPP	EWA											

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

TE 12/17/10 PLATE NO. _R5-1.15

DATE 12/17/10

SHEET NO:

PROJECT NO: 8996-00-98

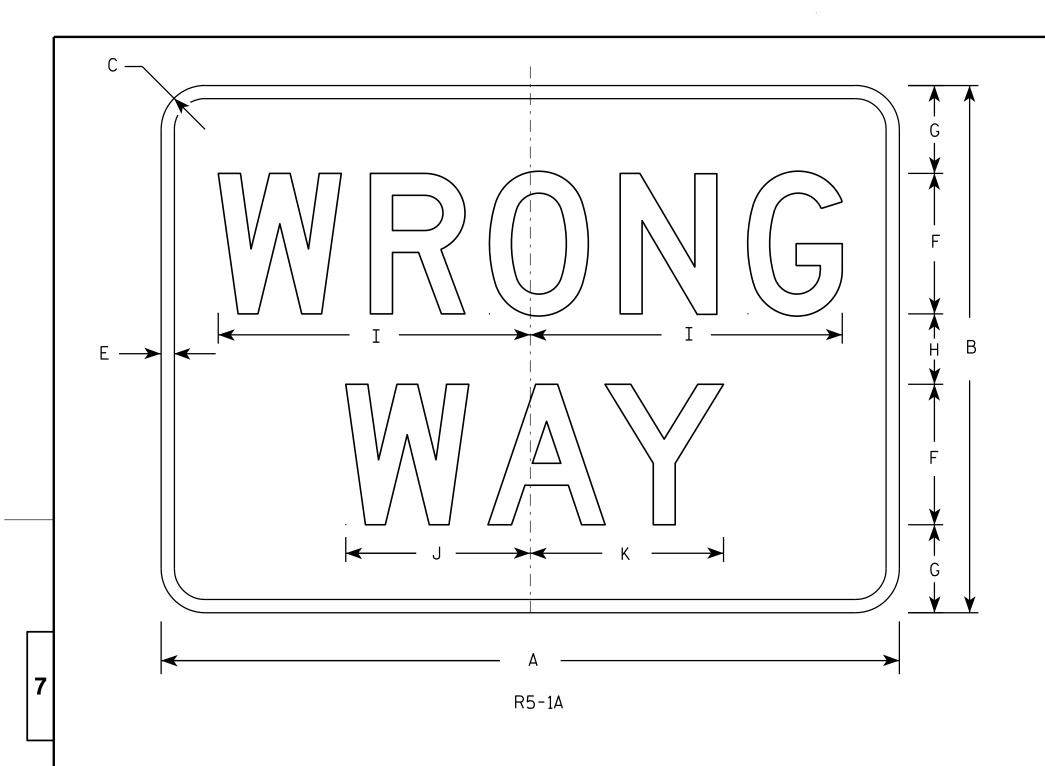
FILE NAME: C:\Users\PROJECTS\tr_stdplate\R51.DGN

PLOT DATE: 17-DEC-2010 12:11

PLOT BY : dotsja

PLOT NAME :

PLOT SCALE: 5.959043:1.000000



HWY: SPRING STREET

NOTES

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

Background - Red Message - White

- 3. Message Series 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.

SIZ	E	Α	В	С	D	Ε	F	G	H	I	J	K	L	M	N	0	Р	0	R	S	T	J	v	W	X	Y	Z	Area sq. ft.
1		30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 %																3.75
25	<u>; </u>	36	24	2		5/8	6	4 1/2	3	13 1/4	7 1/8	8 1/4																6.00
21	1	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3		42	30	2 1/2		3∕4	8	5	4	17 3/4	10 1/2	11																8.75
4		42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5		42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11													·			8.75

COUNTY: CHIPPEWA

STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

Matther R Raud
For State Traffic Engineer PLATE NO. R5-1A.2 DATE 12/17/10

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R51A.DGN

PROJECT NO: 8996-00-98

PLOT DATE: 17-DEC-2010 12:42

PLOT NAME :

PLOT BY : dotsja

PLOT SCALE: 5.462457:1.000000



<u>NOTES</u>

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

Background - White Message - Black

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

2S 30 1 1/8 3/8 3 1/2 2 1/2 9 1/8 8 1/8 8 1/2 24 1/2 6 2M 1 3/8 1/2 3 1/4 2 3/4 12 1/4 10 1/2 11 1/2 30 36 3 36 1 3/8 1/2 5/8 5 1/4 3 1/4 15 1/4 12 3/4 13 3/8 48 4 1 3/8 1/2 5 1/4 3 1/4 15 1/4 12 3/4 13 3/8 36 48 5

COUNTY: CHIPPEWA

HWY: SPRING STREET

STANDARD SIGN R6-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 11/2/10

11/2/10 PLATE NO. R6-6.1

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R66.dgn

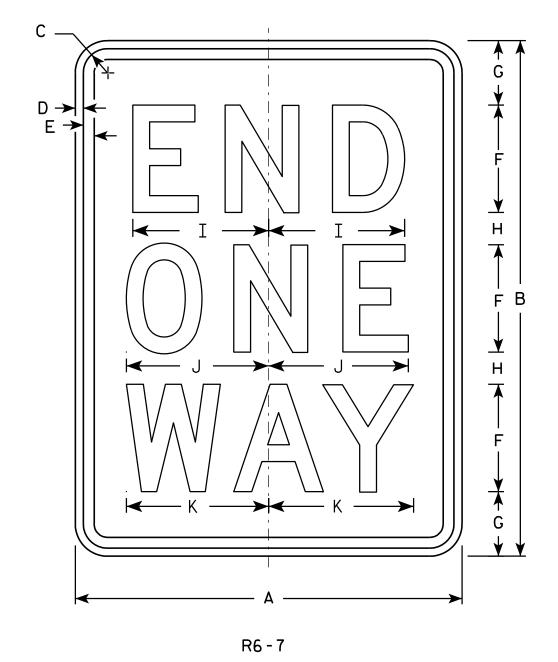
PROJECT NO: 8996-00-98

PLOT DATE: 02-NOV-2010 14:36

PLOT NAME :

PLOT BY: ditjph

PLOT SCALE: 4.469282:1.000000



- 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 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.

2S 3/8 3 1/2 2 1/2 8 8 1/8 8 1/2 24 30 | 1 1/8 1/2 6 2M 36 1 ³/₈ 1/2 3 1/4 2 3/4 10 1/8 10 1/2 11 1/2 30 3 1 3/8 5 1/4 3 1/4 12 5/8 12 3/4 13 3/8 5/8 36 1/2 10 48 4 48 | 1 3/8 1/2 5 1/4 3 1/4 | 12 3/8 | 12 3/4 | 13 3/8 36 5 HWY: SPRING STREET

COUNTY: CHIPPEWA

STANDARD SIGN R6 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 f_{or} State Traffic Engineer

DATE 11/2/10

PLATE NO. R6-7.1

SHEET NO:

FILE NAME: C:\Users\PROJECTS\tr_stdplate\R67.dgn

PROJECT NO: 8996-00-98

PLOT DATE: 02-NOV-2010 14:37

PLOT NAME :

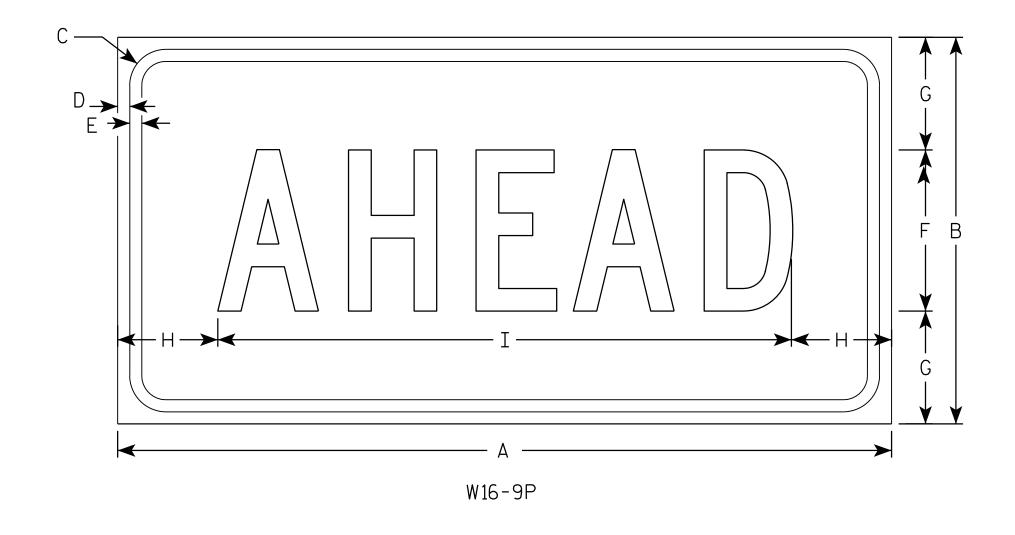
PLOT BY: ditjph

PLOT SCALE: 4.469282:1.000000

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

Background - Yellow Message - Black

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



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areg sq. ft.
1																											
2S	24	12	1 1/8	3%	3%	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 ¾																		8.0
5																											
PR0.	ECT	NO: 8	996-00)-98			HW	Y: SPF	RING S	TREE	ΞT		COUNT	Y: CI	HIPPE	WA											

STANDARD SIGN W16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 12/28/10

PLATE NO. W16-9P.6

SHEET NO:

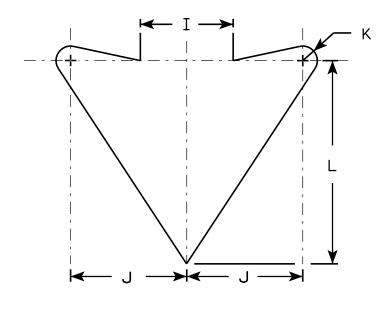
PLOT NAME :

<u>NOTES</u>

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

Background - Yellow Message - Black

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



ARROW DETAIL

PLOT NAME :

Z Area	Y	Х	W	٧	U	T	S	R	0	Р	0	N	М	L	K	J	I	H	G	F	E	D	С	В	Α	SIZE
6.25													5 %	8 3/4	5/8	5	4	3 %	1	10 1/2	5/8	1/2	1 3/8		30	1
9.0													6 3/4	10 1/2	3/4	6	5	4 1/4	1	12	3/4	5/8	1 5/8		36	2S
9.0													6 3/4	10 1/2	3/4	6	5	4 1/4	1	12	3/4	5/8	1 5/8		36	2M
																										3
16.0													9	14	1	8	6	6	1	15 1/2	1	3/4	2 1/4		48	4
16.0													9	14	1	8	6	6	1	15 1/2	1	3/4	2 1/4		48	5
<u>_</u>											HIPPI		<u> </u>		1	_		6 WY: SP	1	15 1/2	1	, .	8996-0			

W6-3

STANDARD SIGN W6 - 3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

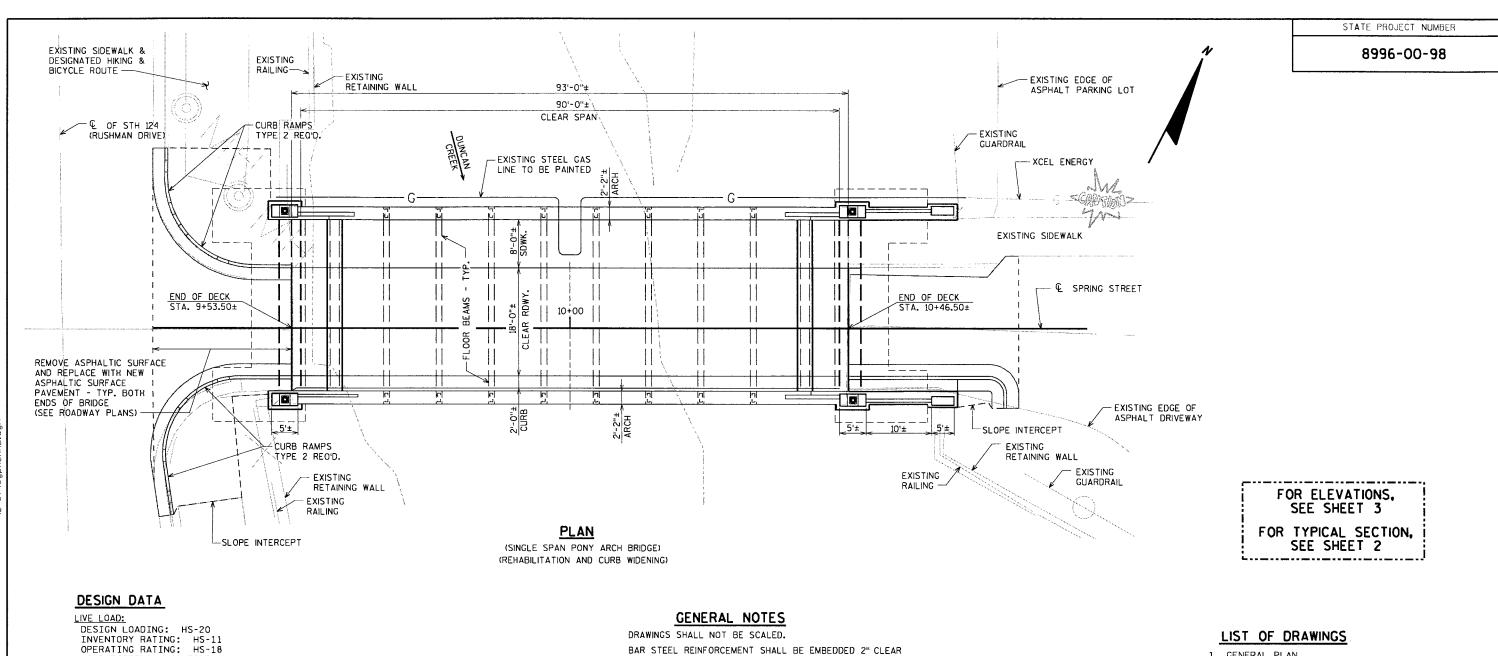
DATE <u>03/12/13</u> PLATE NO. W6-3.10 SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W63.DGN

PLOT DATE: 12-MAR-2013 14:11

PLOT BY: mscsja

PLOT SCALE: 6.202372:1.000000



LOAD POSTING: 40 TONS

ULTIMATE DESIGN STRESSES:

 $_{f_{c}^{\prime}} = 4.000 \text{ p.s.i.}$ CONCRETE MASONRY -HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)___ _f'y = 60,000 p.s.i.

TRAFFIC DATA:

11X17-5200.pl+

CHECKED BY: BACK CHECKED E CORRECTED BY:

8

A.D.T. = 510 (2015) A.D.T. = 620 (2035) R.D.S. = 25 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID	NUMBER	BID ITEMS	AMOU	NT
50	2.0100	CONCRETE MASONRY BRIDGES	5	CY
50	2.5002	MASONRY ANCHORS TYPE L NO. 4 BARS	_ 224	EACH
50	2.3200	PROTECTIVE SURFACE TREATMENT	_ 275	SY
50	5.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	_ 450	LB
50	9.0301	PREPARATION DECKS TYPE 1	_ 3	SY
50	9.0302	PREPARATION DECKS TYPE 2	_ 3	SY
50	9.2000	FULL-DEPTH DECK REPAIR	1	SY
50	9.2500	CONCRETE MASONRY OVERLAY DECKS	_ 15	CY
509	.9005.S	REMOVING CONCRETE MASONRY DECK OVERLAY P-09-0711	_ 210	SY
517	.1010.S	CONCRETE STAINING P-09-0711	4,800	SF
SPV	.0105.01	PAINTING EXISTING STEEL GAS LINE	1	LS
SPV	.0165.01	FIBER WRAP REINFORCING	4,500	SF
SPV	.0165.02	CONCRETE SURFACE REPAIR SPECIAL	1,100	SF

UNLESS SHOWN OR NOTED OTHERWISE.

PROTECTIVE SURFACE TREATMENT IS TO BE APPLIED TO THE TOP OF THE DECK, CURB FACES, TOP OF CURB, AND TOP OF SIDEWALK.

THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.

DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT.

THE EXISTING CONCRETE OVERLAY, ESTIMATED TO BE 2-INCHES THICK, SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "REMOVING CONCRETE MASONRY DECK OVERLAY P-09-0711".

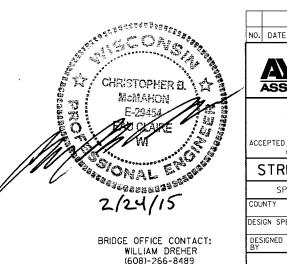
THE NEW PROFILE GRADE LINE SHALL MATCH THE EXISTING PROFILE. THE TOP OF EXISTING DECK ELEVATIONS SHALL BE DETERMINED FROM A FIELD SURVEY AT LOCATIONS DEEMED NECESSARY FOR RE-ESTABLISHING THE PROFILE. THE OVERLAY THICKNESS SHALL MATCH THE THICKNESS OF THE EXISTING OVERLAY THAT IS REMOVED IN ORDER TO MAINTAIN ACCURATE RATINGS.

ALL EXISTING CONCRETE WILL BE STAINED WHITE, FEDERAL STANDARD COLOR NUMBER 37886 (WHITE) EXCEPT SIDEWALK, UNDERSIDE OF DECK, AND WHERE FIBER WRAP REINFORCING IS APPLIED.

FIBER WRAP REINFORCING SHALL BE APPLIED TO THE CONCRETE STRUCTURAL ELEMENTS OF THE EXISTING STRUCTURE AS SHOWN IN THESE PLANS AND IN ACCORDANCE WITH THE "FIBER WRAP REINFORCING" SPECIAL PROVISION. THE CONCRETE STRUCTURAL ELEMENTS INCLUDE THE ARCHES, HANGERS, AND FLOOR BEAMS. THE FIBER WRAP REINFORCING WILL BE PAINTED WHITE USING ACRYLIC PAINT, FEDERAL STANDARD COLOR 37886 (WHITE).

THE EXISTING STEEL GAS LINE ON THE BRIDGE WILL BE PAINTED WHITE WHERE IT IS ADJACENT TO THE CONCRETE ARCHES AND BLUE-GREY EVERYWHERE ELSE. FEDERAL STANDARD COLOR NUMBER 37886 (WHITE) AND 36152 (BLUE-GREY). COST OF PAINTING THE EXISTING STEEL GAS LINE IS INCLUDED TO BID ITEM "PAINTING EXISTING STEEL GAS LINE".

- GENERAL PLAN
- 2. TYPICAL SECTION & DETAILS
 3. CONCRETE SURFACE REPAIR DETAILS
- 4. STRUCTURE STAINING & FIBER WRAP DETAILS



I.D.

CONSULTANT CONTACT: CHRIS MCMAHON (715)-834-3161

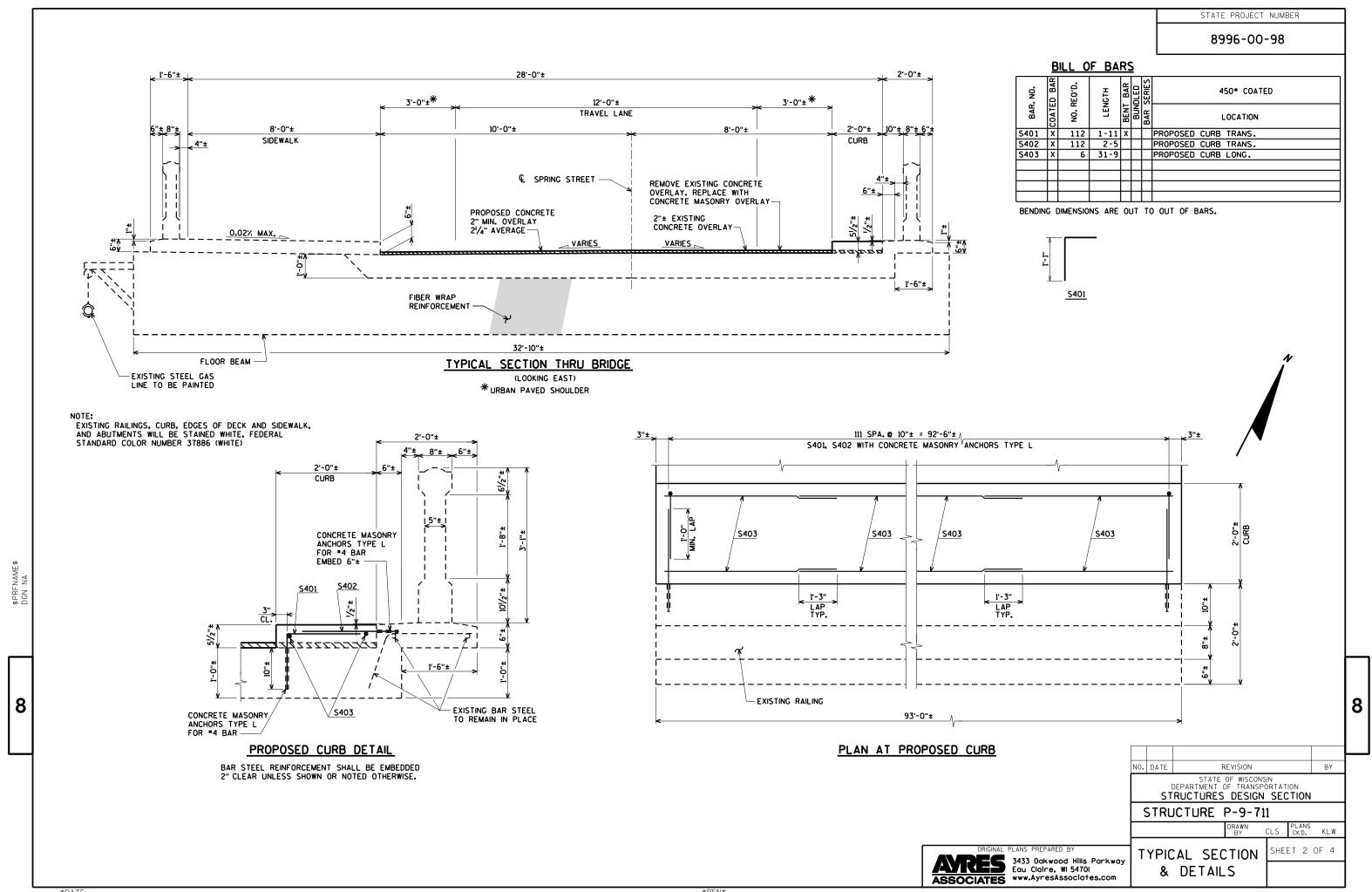
REVISION ORIGINAL PLANS PREPARED BY ARES 3433 Oakwood Hills Parkway Eau Claire, WI 54701 ASSOCIATES www.AyresAssaciates.com STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 2/24/15 ACCEPTED William C. Drehe CHIEF STRUCTURES DESIGN ENGINEER STRUCTURE P-9-711 SPRING STREET OVER DUNCAN CREEK

DWN∕CITY∕VILLAGE CHIPPEWA FALLS CHIPPEWA DESIGN SPEC. REHABILITATION CBM BY CLS PLANS CBM

> **GENERAL** PLAN

2/24/2015

SHEET 1 OF 4



8996-00-98

STATE PROJECT NUMBER

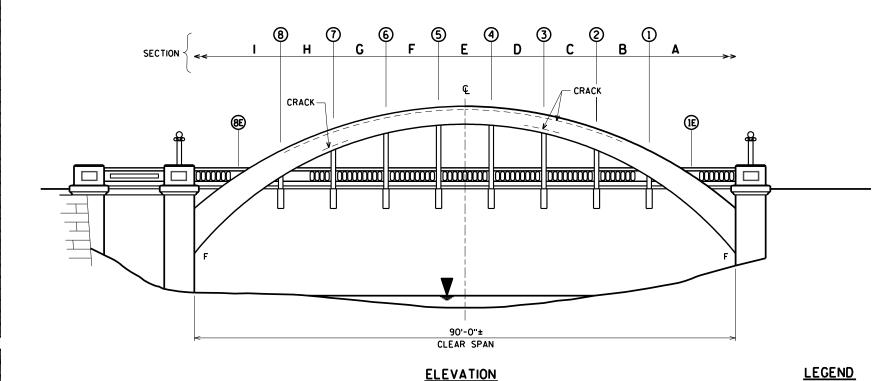
CRACK ON OUTSIDE FACE OF ARCH

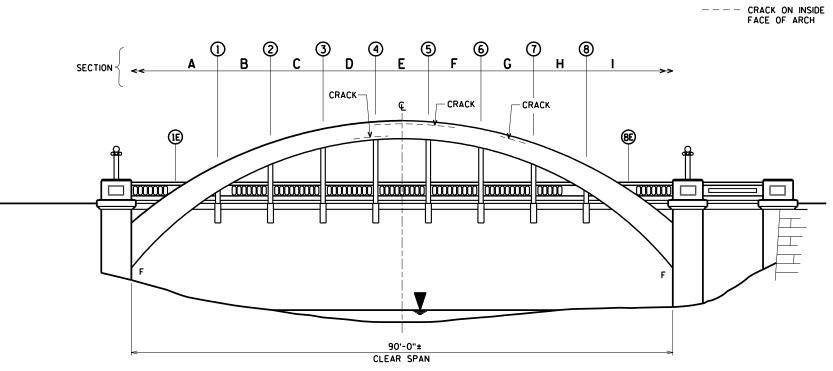
ECTION	CONCRETE ELEMENT	DESCRIPTION	SF
A	VERTICALS IN RAILING	4 VERTICALS NEEDING REPAIR	4
1	HANGER	NO CRACKS	0
1-8	FLOOR BEAM	ENDS ARE DISTRESSED WITH SPALLS AND CRACKS	60
8E	FLOOR BEAM	NO CRACKS	-0
В	VERTICALS IN RAILING	3 VERTICALS NEEDING REPAIR	3
2	HANGER	CRACKED INSIDE AND OUTSIDE FACES	10
B-H	ARCH	CRACKED ALONG INSIDE FACE TOP	70
C	VERTICALS IN RAILING	NO CRACKS	0
3	HANGER	CRACKED ON INSIDE FACE TOP	5
C-D	ARCH	CRACKED ON INSIDE FACE BOTTOM	5
C-D	SIDEWALK	SPALLED ON INSIDE FACE	- 5
D	VERTICALS IN RAILING	NO CRACKS	0
4	HANGER	CRACKED INSIDE FACE	10
D-E	SIDEWALK	SPALLED ON INSIDE FACE	1
E	VERTICALS IN RAILING	2 VERTICALS NEEDING REPAIR	1
5	HANGER	CRACKED ON OUTSIDE FACE TOP	5
F	VERTICALS IN RAILING	3 VERTICALS NEEDING REPAIR	3
6	HANGER	NO CRACKS	0
G	VERTICALS IN RAILING	3 VERTICALS NEEDING REPAIR	3
7	HANGER	CRACKED INSIDE AND OUTSIDE FACES	10
G-H	ARCH	CRACKED ON INSIDE FACE BOTTOM	5
H	ARCH	CRACKED ON TOP	10
H	VERTICALS IN RAILING	3 VERTICALS NEEDING REPAIR, SPALLED TOP INSIDE FACE	5
8	HANGER	NO CRACKS	-0
1	VERTICALS IN RAILING	NO CRACKS	0
1	SIDEWALK	CRACKED ON EAST END WITH SPALL ON INSIDE FACE	10
8E	FLOOR BEAM	SPALLED ON BOTH SIDES WITH EXPOSED REBAR	-5
10	ARCH	CRACKED ON INSIDE FACE BOTTOM UNDER DECK	5
		SUBTOTAL	23

SOUTH SIDE CONCRETE SURFACE REPAIR						
SECTION	CONCRETE ELEMENT	DESCRIPTION	SF			
A	VERTICALS IN RAILING	2 VERTICALS NEEDING REPAIR	1			
A	RAILING END BLOCK	CRACKED AND SPALLED ALL AROUND	.20			
A	ARCH	TOP DETERIORATED EXPOSED LATICE STEEL	5			
Α	ARCH	CRACKED ON INSIDE FACE BOTTOM UNDER DECK	5			
1E	FLOOR BEAM	SPALLED ON SIDE WITH EXPOSED REBAR	5			
1	HANGER	NO CRACKS	0			
1-8	FLOOR BEAM	ENDS ARE DISTRESSED WITH SPALLS AND CRACKS	80			
В	VERTICALS IN RAILING	2 VERTICALS NEEDING REPAIR	1			
2	HANGER	20% CRACKED	10			
C	VERTICALS IN RAILING	1 VERTICALS NEEDING REPAIR	1			
3	HANGER	CRACKED ON OUTSIDE FACE BOTH SIDES	20			
D	VERTICALS IN RAILING	2 VERTICALS NEEDING REPAIR	1			
D	ARCH	CRACKED ON TOP	10			
4	HANGER	CRACKED ON BOTTOM	5			
D-E	ARCH	CRACKED ON INSIDE FACE TOP	10			
E	VERTICALS IN RAILING	2 VERTICALS NEEDING REPAIR	1			
5	HANGER	CRACKED ON BOTTOM AND CRACKED MID HEIGHT ON INSIDE FACE	15			
E-F	ARCH	CRACKED ON INSIDE FACE BOTTOM	15			
F	VERTICALS IN RAILING	NO CRACKS	0			
6	HANGER	CRACKED INSIDE FACE ONE CORNER	10			
G	VERTICALS IN RAILING	4 VERTICALS NEEDING REPAIR	4			
G	ARCH	SPALLS ON BOTTOM AND CRACKED ON INSIDE FACE TOP	10			
7	HANGER	CRACKED AND SPALLED ON INSIDE AND OUTSIDE FACES	10			
H	VERTICALS IN RAILING	2 VERTICALS NEEDING REPAIR	2			
н	RAIUNG	SPALL INSIDE FACE AT ARCH, CRACK/SPALL INSIDE FACE BOTTOM AT ARCH	5			
8	HANGER	NO CRACKS	0			
09-1	CURB	SPALLED TOP OF CURB	- 1			
-1	VERTICALS IN RAILING	2 VERTICALS NEEDING REPAIR	2			
8E	FLOOR BEAM	NO CRACKS	0			
6	CURB	DETERIORATED CONCRETE AT WINGWALL	1			
11	RAILING END BLOCK	BOTTOM OF RAILING SPALLED OFF AT END	5			
T.	ARCH	TOP OF ARCH SPALLED	10			
1	ARCH	CRACK ON INSIDE FACE BOTTOM UNDER DECK EXPOSED REBAR	5			
		SUBTOTAL	270			

SECTION	CONCRETE ELEMENT	DESCRIPTION	SF
B-H	DECK	DISTRESSED CONCRETE BETWEEN FLOOR BEAMS ON SOUTH SIDE EDGE	75
н	DECK	HOLE THROUGH BOTTOM OF DECK WITH EXPOSED REBAR & SPALLS	5
1	ABUTMENT	SPALLING AND DELAMINATED CONCRETE	10
2	FLOOR BEAM	SPALL ON BOTTOM OF FLOOR BEAM	5
		SUBTOTAL	95

UNDISTRIBUTED 500 TOTAL 1100





NORTH SIDE LOOKING SOUTH AT OUTSIDE FACE

ELEVATION SOUTH SIDE LOOKING NORTH AT OUTSIDE FACE EXPOSED STEEL WILL BE CLEANED AND PAINTED PRIOR TO PLACING THE CONCRETE FOR CONCRETE SURFACE REPAIR. EXPOSED STEEL AREAS ARE TO BE PHOTOGRAPHED AND LOCATION LABELED. SEE SPECIAL PROVISION "CONCRETE SURFACE REPAIR SPECIAL, SPV.0165.02".

ORIGINAL PLANS PREPARED BY ASSOCIATES

3433 Odkwood Hills Parkway
Edu Claire, WI 5470I
www.AyresAssociates.com

NO. DATE BY STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION STRUCTURE P-9-711

8

DRAWN BY CLS PLANS CK'D. KLW CONCRETE

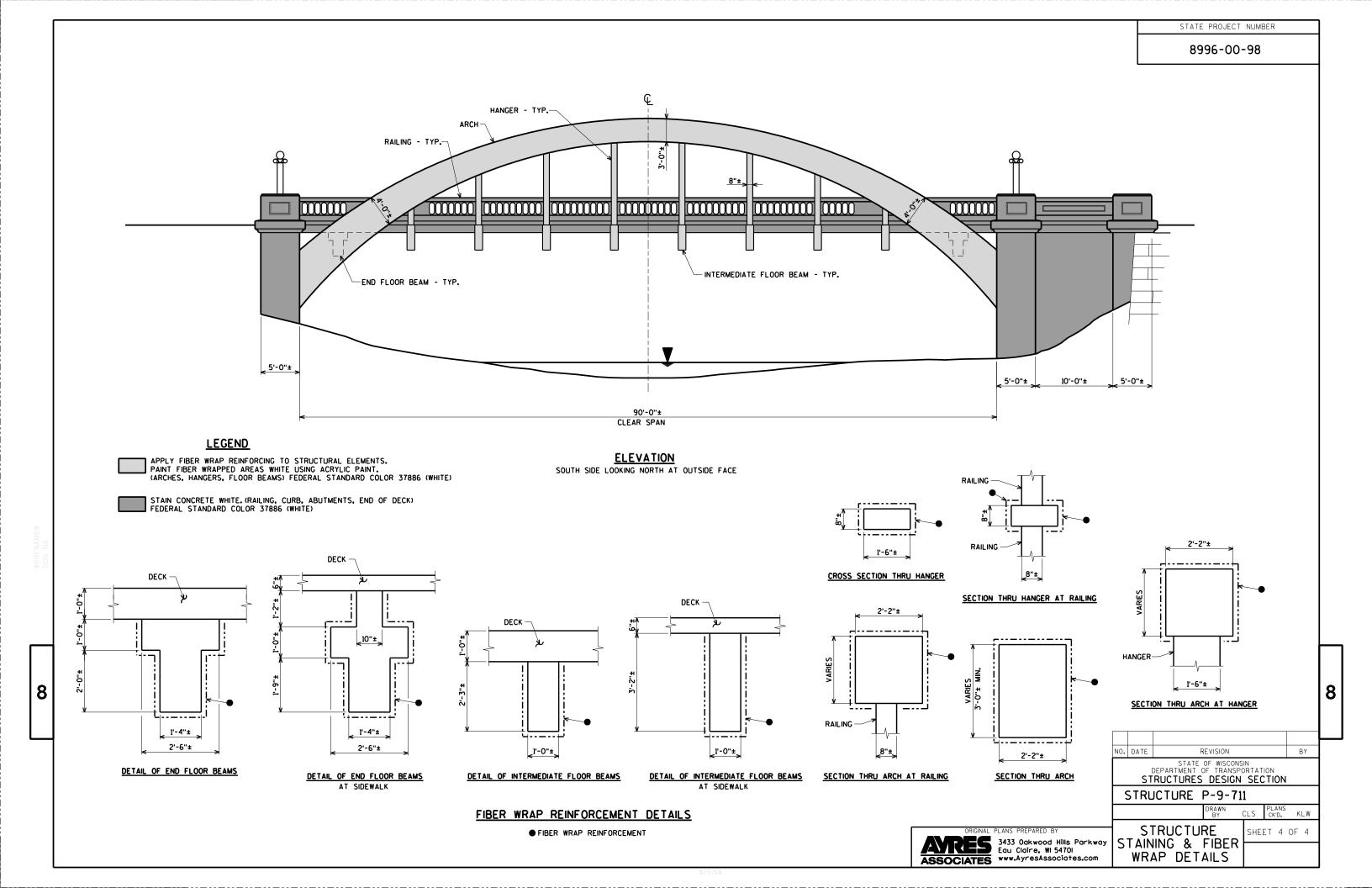
SHEET 3 OF 4 SURFACE REPAIR DETAILS

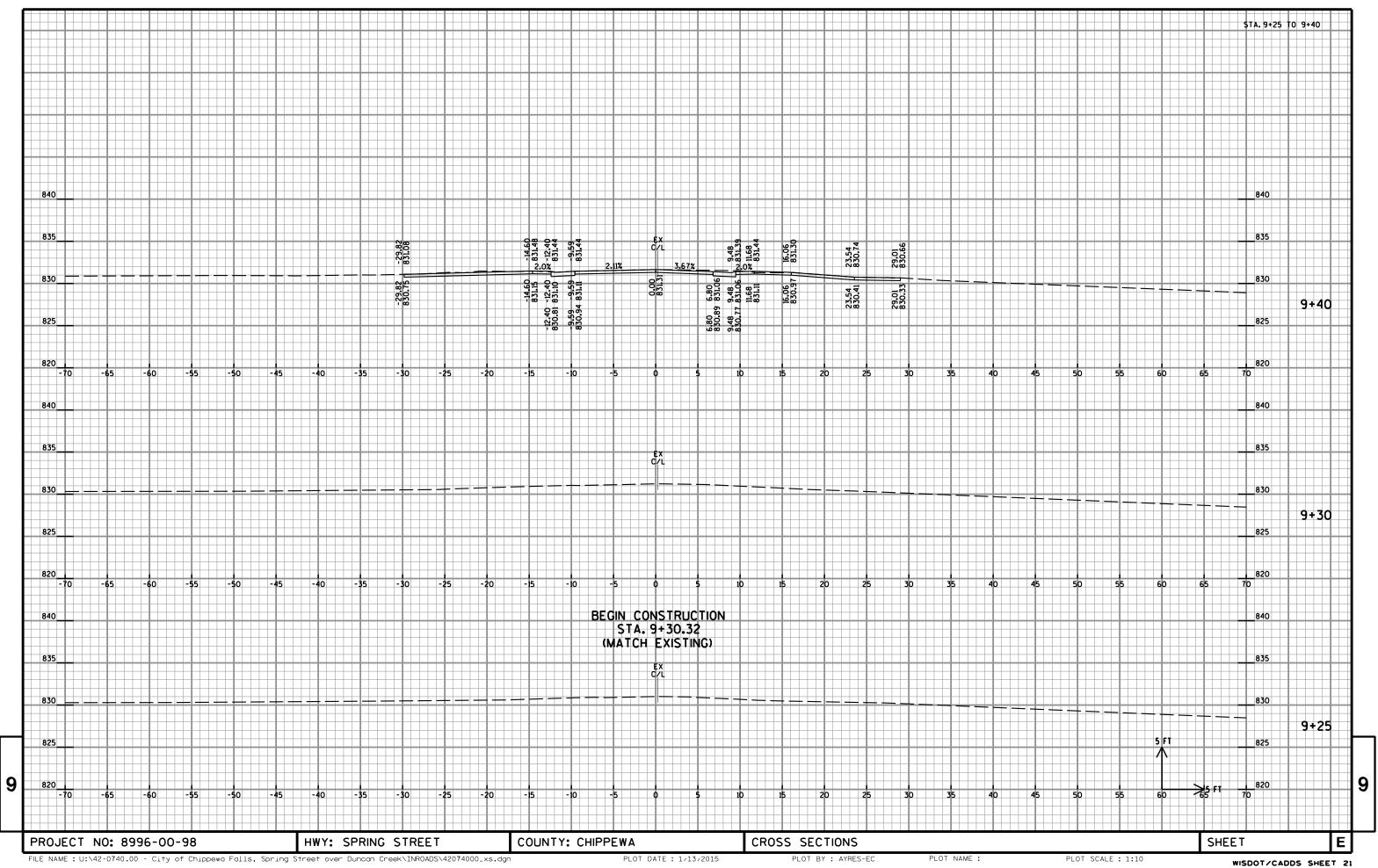
2/18/2015

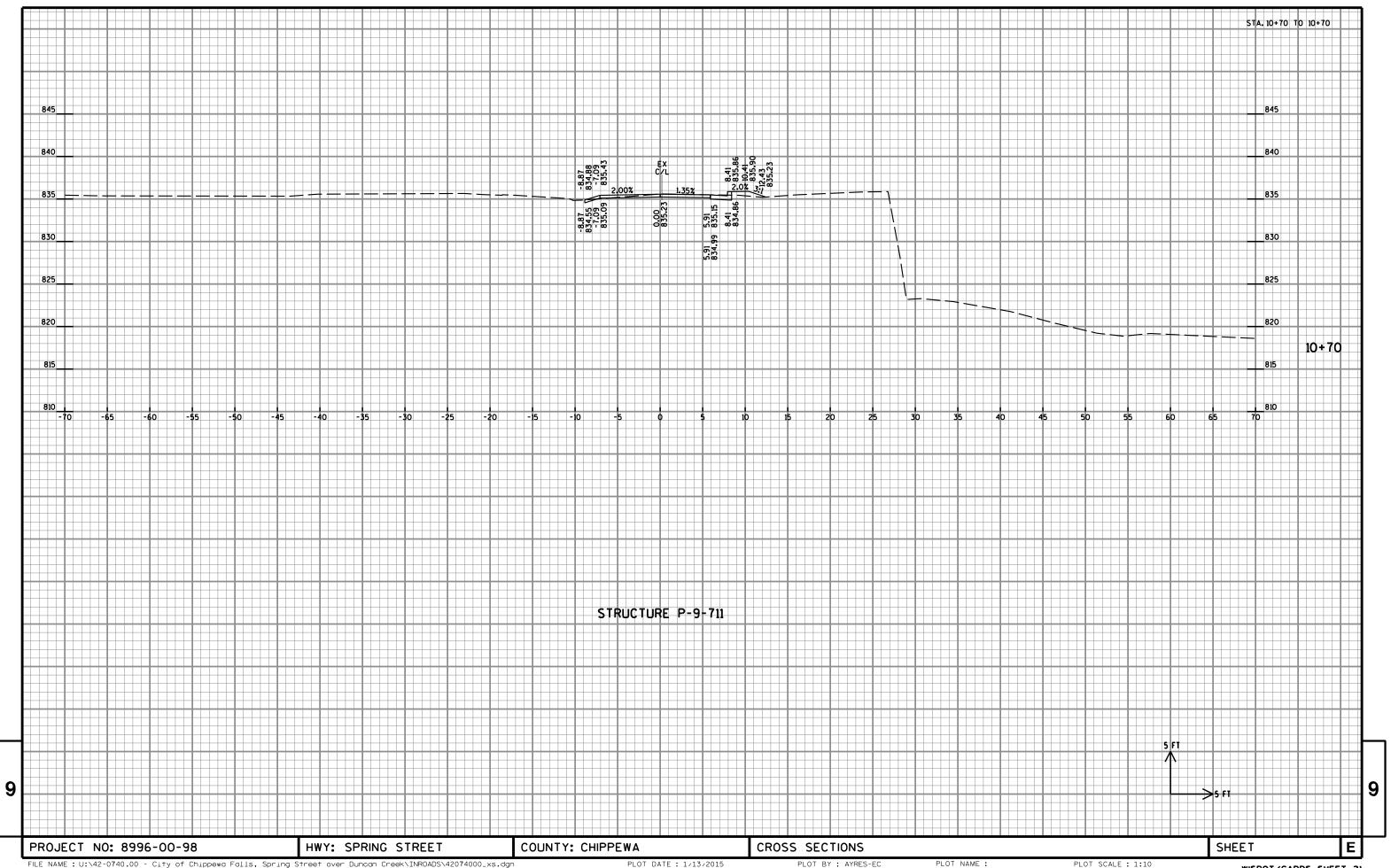
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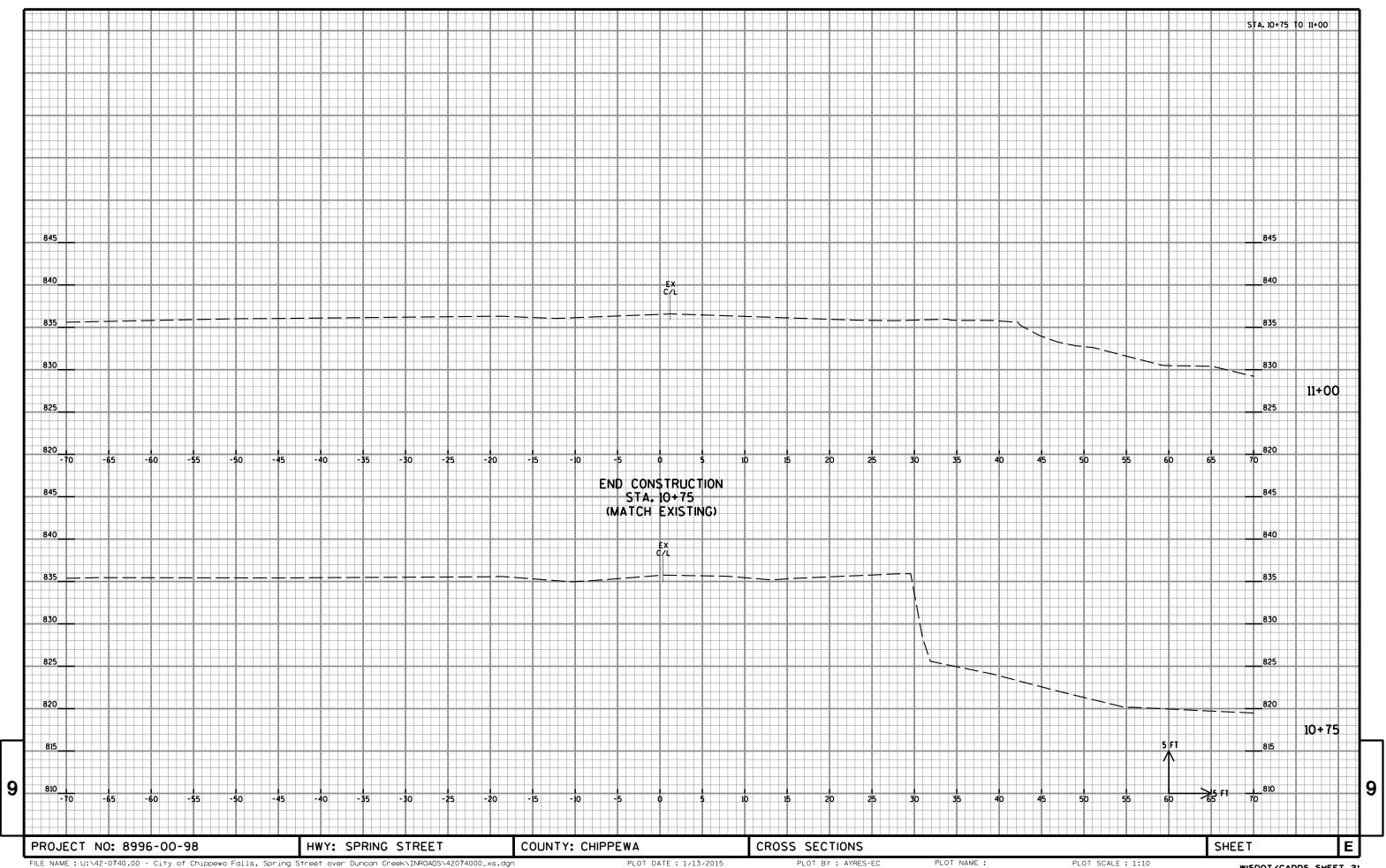
black.tbl

NOTE:









Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov