NEL DEC 2014

ORDER OF SHEETS

Section	No.	1	Title
Section	No.	2	Typical Sections and Detail
Section	No.	3	Estimate of Quantities
Section	No.	3	Miscellaneous Quantities
Section-	No.	4	Right of Way Plat
Section	No.	5	Plan and Profile
Section	No.	6	Standard Detail Drawings
Scotion	No.	7	Sign Plates
Section	No	я	Structure Plans
Section	No.	-	Computer Earthwork Data
		0	Cross Continue
Section	NO:	9	tross scottons

TOTAL SHEETS = 22

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CTH W

(USH 10 TO TAUS ROAD)

CTH W

MANITOWOC COUNTY

STATE PROJECT NUMBER 4323-07-71



CONVENTIONAL SYMBOLS

DESIGN DESIGNATION

= 1,350

= 60/40

= 5.4%

= 60 MPH

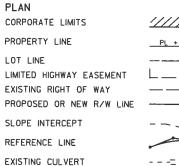
= 219,000

A.A.D.T. (2014) A.A.D.T. (2034)

DESIGN SPEED

D.D.

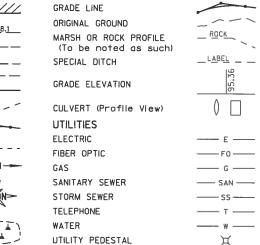
ESALS



PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA



PROFILE

POWER POLE

TELEPHONE POLE

LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 2.205 MI. RURAL

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, MANITOWOC COUNTY, NADB3 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ACCEPTED FOR MANITOWOC COUNTY

FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2014439

STATE PROJECT

4323-07-71

ORIGINAL PLANS PREPARED BY



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

REPARED BY

AYRES ASSOCIATES AYRES ASSOCIATES Designer

Managemen

DATE: 6/26/14

SEH-NE REGION LPMC

T 19 N

END PROJECT

STA. 233+15.00

GENERAL NOTES

THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE.

THERE MAY BE UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

REFERENCE LINE REFERS TO ALIGNMENT AND STATIONING. CENTERLINE REFERS TO EXISTING ROADWAY CENTERLINE, REFERENCE LINE AND CENTERLINE ARE NOT COINCIDENTAL.

SAW CUT LOCATIONS SHOWN ON THE PLAN ARE SUBJECTED TO ADJUSTMENT BY THE ENGINEER IN FIELD. THE LINE OF SUCH SAW CUTS WILL BE NEATLY DELINEATED THRU THE ASPHALT WITHOUT ANY DAMAGE TO THE REMAINING PORTION OF THE EXISTING PAVEMENT.

CURVE DATA IS BASED ON ARC DEFINITION.

4-INCH HMA PAVEMENT WILL BE CONSTRUCTED WITH THE TWO LAYERS CONSISTING OF ONE 2 1/4-INCH LOWER LAYER AND ONE 1 3/4-INCH UPPER LAYER.

ACCESS TO ALL RESIDENCES AND BUSINESSES WILL BE MAINTAINED DURING CONSTRUCTION.

EXACT LOCATION AND WIDTH OF ENTRANCES WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ENTRANCES ARE TO BE REPLACED IN KIND.

THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING MOTORISTS AND PEDESTRIANS THAT MAY ENTER THE WORK ZONE FORM POSSIBLE HAZARDS.

UTILITIES

*WISCONSIN PUBLIC SERVICE - ELECTRIC TELEPHONE 920-433-1703

700 N. ADAMS STREET
PO BOX 1210
GREEN BAY, WISCONSIN 54307
ATTENTION: LORI BUTRY
E-MAIL: LABUTRY@INTEGRYSGROUP.COM

*FRONTIER COMMUNICATIONS

TELEPHONE 920-893-7455

118 DIVISION STREET
PLYMOUTH, WISCONSIN 53073
ATTENTION: RYAN OSNESS
E-MAIL: ryan.d.osness@ftr.com

*TIME WARNER CABLE

TELEPHONE 920-831-9249

3545 PLANK ROAD
APPLETON, WISCONSIN 54915
ATTENTION: VINCE ALBIN
E-MAIL: vince.albin@twcable.com

*-MEMBER OF DIGGERS HOTLINE



RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
		А		В			С		D			
	SLOPE	RANGE	(PERCENT)	SLOPE RANGE (PERCENT)		SLOPE	SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)		(PERCENT)	
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16 .30	.22 .38	.12	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28	.38 .56
MEDIAN STRIP- TURF	.19	.20 .26	.24	.19 .25	.22	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25	.30
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:		ı			ı							
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585	· ·					
R00FS						.7595						
GRAVEL ROADS,	SHOULDE	ERS				.4060						

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 9.81 ACRES SOIL GROUP C

STANDARD ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC	NC	NORMAL CROWN
AC	ASPHALT CEMENT	PT	POINT OF TANGENCY
AGG	AGGREGATE	PC	POINT OF CURVATURE
ASPH	ASPHALT	PI	POINT OF INTERSECTION
ВМ	BENCH MARK	PE	PRIVATE ENTRANCE
C/L	CENTERLINE	R	RADIUS
CONC	CONCRETE	REM	REMOVE
CMP	CORRUGATED METAL PIPE	R/L OR RL	REFERENCE LINE
CR.	CREEK	RCCP	REINFORCED CONCRETE CULVERT PIPE
D	DEGREE OF CURVE	RCPSS	REINFORCED CONCRETE PIPE STORM SEWER
DHV	DESIGN HOUR VOLUME	R.O.	RUNOUT
ESALS	EQUIVALENT SINGLE AXIS LOADS	R/W	RIGHT-OF-WAY
EXIST	EXISTING	STA	STATION
FE	FIELD ENTRANCE	SE	SUPER ELEVATION
HYD	HYDRANT	SS	STORM SEWER
IP	IRON PIPE OR PIN	T	TANGENT
L	LENGTH OF CURVE	TEL	TELEPHONE
LC	LONG CHORD OF CURVE	TLE	TEMPORARY LIMITED EASEMENT
LR	LENGTH OF RUNOFF	T	TRUCKS
MH	MANHOLE	VC	VERTICAL CURVE
		W	WELL

DEPARTMENT OF NATURAL RESOURCES

WDNR

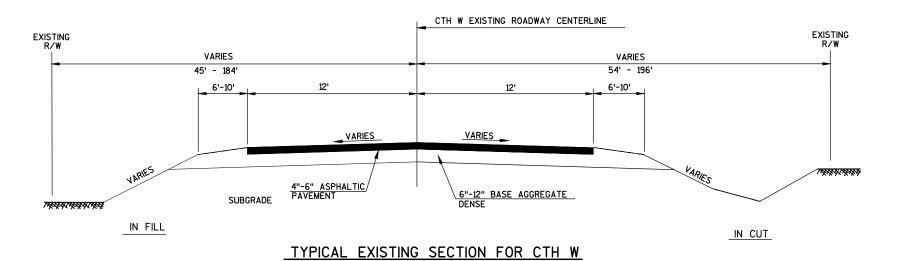
TELEPHONE 920-662-5472

P.O. BOX 10448
GREEN BAY, WISCONSIN 54307
ATTENTION: MATT SCHAEVE
E-MAIL: MATTHEW. SCHAEVE@WISCONSIN.GOV

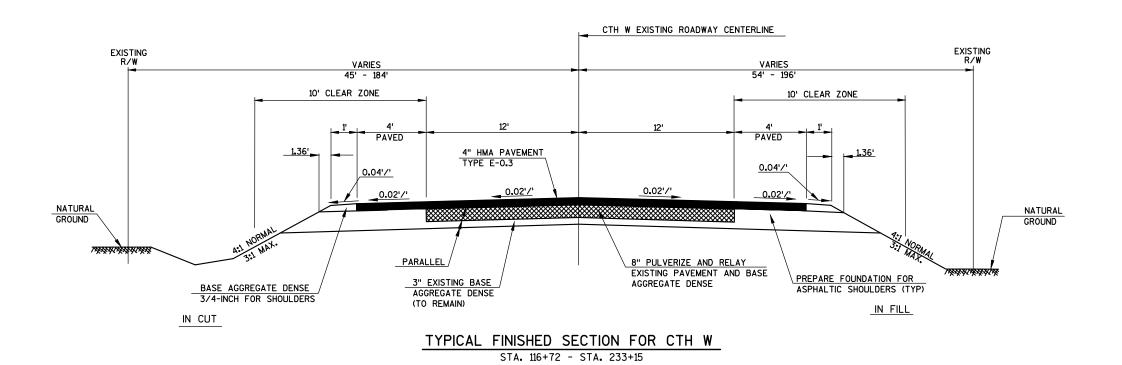
PROJECT NO:4323-07-71 HWY:CTH W COUNTY:MANITOWOC GENERAL NOTES SHEET **E**

FILE NAME : N:\C3D\45036900\SHEETSPLAN\020101_GN.DWG PLOT BY : SOUFAL, KEVIN PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42



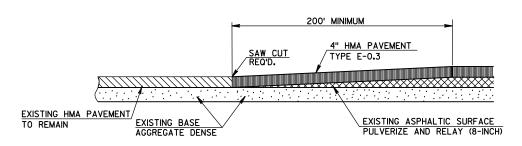


STA. 116+72 - STA. 233+15



PROJECT NO: 4323-07-71 HWY: CTH W COUNTY: MANITOWOC TYPICAL SECTIONS SHEET Ε PLOT DATE : 7/24/2014 11:17 AM PLOT BY : SOUFAL, KEVIN FILE NAME : N:\C3D\45036900\SHEETSPLAN\020301_TS.DWG PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

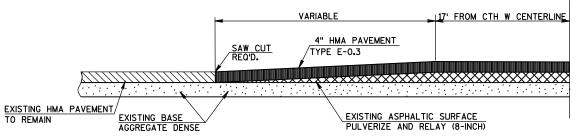


JOINT DETAIL FOR PULVERIZE AND RELAY AREAS

STA. 116+80 CTH W STA. 233+15 CTH W

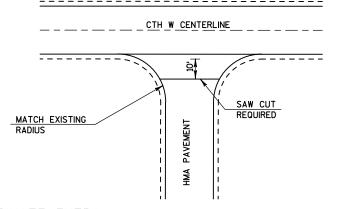
COST OF REMOVAL OF EXCESS MATERIAL IN TAPER AREAS SHALL BE INCIDENTAL TO PULVERIZE AND RELAY

CTH W EXISTING CENTERLINE



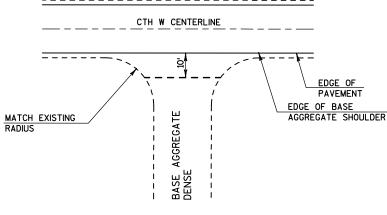
SIDE ROAD JOINT DETAIL FOR PULVERIZE AND RELAY AREA

SUNNY SLOPE RD. REIFS MILLS RD. TAUS RD. COST OF REMOVAL OF EXCESS MATERIAL IN TAPER AREAS SHALL BE INCIDENTAL TO PULVERIZE AND RELAY

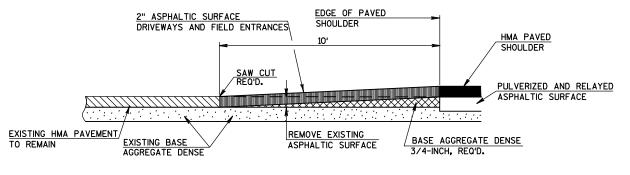


PRIVATE ENTRANCE AND FIELD ENTRANCE HMA DETAIL

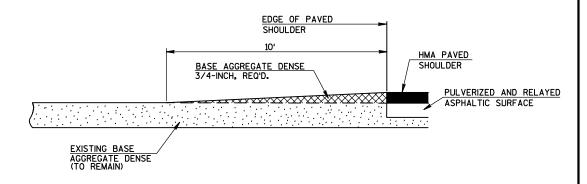
STA, 120+07



PRIVATE ENTRANCE AND FIELD ENTRANCE
BASE AGGREGATE DENSE DETAIL



JOINT DETAIL FOR HMA PRIVATE ENTRANCES (REPLACE IN KIND)



DETAIL FOR BASE AGGREGATE DENSE PRIVATE ENTRANCES

PROJECT NO:4323-07-71 HWY:CTH W COUNTY:MANITOWOC CONSTRUCTION DETAILS SHEET **E**

FILE NAME : N:\C3D\45036900\SHEETSPLAN\021001_CD.DWG

PLOT DATE : 8/1/2014 8:26 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42

DATE O	90CT14	EST	IMAT	E OF QUAN	
LI NE NUMBER	LTEM	ITEM DESCRIPTION	UNI T	TOTAL	4323-07-71 QUANTI TY
0010	204. 0110	REMOVING ASPHALTIC SURFACE	SY	60. 000	60. 000
0010	211. 0400	PREPARE FOUNDATION FOR ASPHALTIC	STA	234. 000	234. 000
0020	211.0400	SHOULDERS	SIA	234.000	234.000
0030	213. 0100	FINISHING ROADWAY (PROJECT) 01.	EACH	1. 000	1. 000
0030	213.0100	4323-07-71	LACII	1.000	1.000
0040	305. 0110	BASE AGGREGATE DENSE 3/4-INCH	TON	2, 800. 000	2, 800. 000
0050	305. 0110	BASE AGGREGATE DENSE 1 1/4-INCH	TON	1, 000. 000	1, 000. 000
0000	303.0120	BASE AGGREGATE BEAGE 1 174 THOR	1011	1,000.000	1,000.000
0060	325. 0100	PULVERI ZE AND RELAY	SY	33, 730. 000	33, 730. 000
0070		S INCENTIVE IRI RIDE	DOL	8, 820. 000	8, 820. 000
0080	455. 0105	ASPHALTIC MATERIAL PG58-28	TON	560. 000	560. 000
0090	455. 0605	TACK COAT	GAL	1, 100. 000	1, 100. 000
0100	460. 1100	HMA PAVEMENT TYPE E-0.3	TON	10, 170. 000	10, 170. 000
3100	100. 1100	I I I I I I I I I I I I I I I I I I I	. 014	10, 170.000	13, 170.000
0110	460. 2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	6, 500. 000	6, 500. 000
0120	465. 0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD	TON	15. 000	15. 000
3120	.00.0120	ENTRANCES	. 0	10.000	10.000
0130	619. 1000	MOBILIZATION	EACH	1. 000	1. 000
0140	621. 0100	LANDMARK REFERENCE MONUMENTS	EACH	4. 000	4. 000
0150	623. 0200	DUST CONTROL SURFACE TREATMENT	SY	3, 200. 000	3, 200. 000
3130	020. 0200	DOST CONTINUE SONI ACE TILEATMENT	J1	3, 200. 000	3, 200. 000
0160	624. 0100	WATER	MGAL	138. 000	138. 000
0170	628. 1504	SILT FENCE	LF	300.000	300.000
0170	628. 1520	SILT FENCE MAINTENANCE	LF	300.000	300.000
0190	642. 5001	FIELD OFFICE TYPE B	EACH	1. 000	1. 000
0200	643. 0100	TRAFFIC CONTROL (PROJECT) 01. 4323-07-71	EACH	1. 000	1. 000
0200	043.0100	TRAITIC CONTROL (FROSECT) 01. 4323-07-71	LACII	1.000	1.000
0210	643. 0900	TRAFFIC CONTROL SIGNS	DAY	930. 000	930. 000
0210	646. 0106	PAVEMENT MARKING EPOXY 4-INCH	LF	22, 300. 000	22, 300. 000
0230	646. 0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	3, 515. 000	3, 515. 000
0230	649. 0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	3, 515. 000	3, 515. 000
0250	650. 8000	CONSTRUCTION STAKING RESURFACING	LF	11, 643. 000	11, 643. 000
0230	030. 8000	REFERENCE	LF	11,043.000	11,043.000
		ILL LIVEROL			
0260	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL	LS	1. 000	1. 000
0200	030. 7710	CONTROL (PROJECT) 01. 4323-07-71	LJ	1.000	1. 000
0270	690. 0150	SAWING ASPHALT	LF	250.000	250. 000
0270	ASP. 1T0A	ON-THE-JOB TRAINING APPRENTICE AT \$5.	HRS	300.000	300. 000
0200	AJF. ITUM	00/HR	11113	300.000	300.000
0290	ASP. 1T0G		HRS	600.000	600.000
0300	SPV. 0060	SPECIAL 01. SECTION SURVEY MONUMENTS	EACH	5. 000	5. 000
0300	JI V. 0000	SI ESTAL ST. SECTION SURVEY WONOWENTS	LACII	3. 000	3.000

BASE AGGREGATE DENSE AND WATER

REMOVING ASPHALTIC SURFACE

STATION	LOCATION	204.0110 S.Y.
120+06	CTH W, LT	60
TOTAL		60

PREPARE FOUNDATION FOR A SPHALTIC SHOULDERS

STATION	то	STATION	LOCATION	211.0400 STA
116+72 116+72	-	233+15 LT 233+15 RT	CTH W CTH W	117 117
	TOTAL	-		234

305.0110 305.0120 624.0100 STATION TO STATION LOCATION 3/4-INCH 1-1/4-Inch WATER TON TON MGAL 116+72 - 175+00 CTH W 1,000 10 175+00 - 233+15 CTH W 970 10 DRIVEWAYS & SIDEROADS 830 PULVERIZE AREAS 100 UNDISTRUBUTED 1,000 10 TOTALS 2,800 1,000 138

 $\underline{\text{NOTE:}} \text{ UNDISTRIBUTED QUANTITY OF 1-1/4-INCH BASE AGGREGATE DENSE TO BE USED IN A REASBENEATH PROPOSED PAVED SHOULDERS, IN CONJUNCTION WITH BID ITEM "PREPARE FOUNDATION"$ FOR ASPHALTIC SHOULDERS", TO MATCH PROPOSED CROSS SLOPE OF CTH W.

PULVERIZE AND RELAY

STATION	то	STATION	LOCATION	325.0100 S.Y.
116+72	- - - -	233+15	CTH W W. SUNNY SLOPE RD. E. SUNNY SLOPE RD. REIFS MILLS RD. W. TAUS RD. E. TAUS RD.	31,100 720 645 435 430 400
-	TOTAL			33,730

DUST CONTROL SURFACE TREATMENT

LOCATION	623.0200 QUANTITY S.Y.
UNDISTRIBUTED	3,200
TOTAL	3,200

HMA PAVEMENT ITEMS

STATION	то	STATION	LOCATION	455.0105 A SPHALTIC MATERIAL PG58-28 (5.5%) TON	455.0605 TACK COAT GAL	460.1100 HMA PAVEMENT TYPE E-0.3	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
116+72 175+00 120+06	-	175+00 233+15	CTH W CTH W DRIVEWAY, LT	280 280 -	552 548 -	5,100 5,070 -	- - 15
7	ΓΟΤΑL	S		560	1,100	10,170	15

MONUMENT SUMMARY

STATION	LOCATION	DESCRIPTION	621.0100 LANDMARK REFERENCE MONUMENTS EACH	SPV.0060.01 SECTION SURVEY MONUMENTS EACH
126+37.31 - 13.74' RT.	CTH W	W QUARTER CORNER SECTION 35, T20N, R21E	3	1
152+53.36 - 1.33' RT.	CTHW	SW CORNER SECTION 26, T20N, R21E	- -	1
179+02.25 - 14.75' LT.	CTH W	W QUARTER CORNER SECTION 26, T20N, R21E	-	1
205+41.66 - 3.44' RT.	CTH W	SW CORNER SECTION 23, T20N, R21E	_	1
231+83.28 - 0.84' RT.	CTH W	W QUARTER CORNER SECTION 23, T20N, R21E	1	1
TOTALS	CITTY	77 30 111 1 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	5

SILT FENCE

STATION	LOCATION	628.1504 QUANTITY LF	628.1520 MA INTENA NCE LF	REMARKS
 225+00, RT. & LT.	CTH W	300	300	CULVERT ENDS
TOTALS		300	300	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

Ε PROJECT NO: 4323-07-71 HWY: CTH W COUNTY: MANITOWOC MISCELLANEOUS QUANTITIES SHEET

3

TRAFFIC CONTROL SUMMARY

643.0900 SIGNS A PPROXIMA TE			REMARKS		
LOCATION	SERVICE DAYS	NO. IN SERVICE	DAVS		
	DATO	JLINV IOL	סואם		
CTH W / SOUTH OF USH 10	30	4	120	START OF PROJECT - TY PICAL ADV ANCE WARNING SIGNING WITH END ROAD WORK	
USH 10 / WEST OF CTH W	30	9	270	START OF PROJECT - M3-1 (NORTH) & M1-5A (COUNTY W) SIGNING MOUNTED ABOVE TYPICAL ADVANCE WARNING SIGNING	
USH 10 / EAST OF CTH W	30	9	270	START OF PROJECT - M3-1 (NORTH) & M1-5A (COUNTY W) SIGNING MOUNTED ABOVE TYPICAL ADVANCE WARNING SIGNING	
CTH W / W. SUNNY SLOPE ROAD	30	1	30	ROAD WORK AHEAD	
CTH W / E. SUNNY SLOPE ROAD	30	1	30	ROAD WORK AHEAD	
CTH W / REIFS MILLS ROAD	30	1	30	ROAD WORK AHEAD	
CTH W / W. TAUS ROAD	30	1	30	ROAD WORK AHEAD	
CTH W / E. TAUS ROAD	30	1	30	ROAD WORK AHEAD	
CTH W	30	4	120	END OF PROJECT - TYPICAL ADVANCE WARNING SIGNING WITH END ROAD WORK	
TOTAL			930		

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-	$\mathbf{v} =$	VILLI VI	i ivi~	171711	V.

		_	<u> </u>	646.0406		
				4-INCH	646.0106	649.0100
				EPOXY	4-INCH	4-INCH
STATION	TO	STATION	LOCATION	SAME DAY	EPOXY	TEMPORA RY
				YELLOW	WHTE	YELLOW
				LF	LF	LF
116+72	-	122+75	CTH W	755	1,225	755
122+75	-	233+15	CTH W	2,760	21,075	2,760
-	TOTAL			3,515	22,300	3,515

SAWING ASPHALT

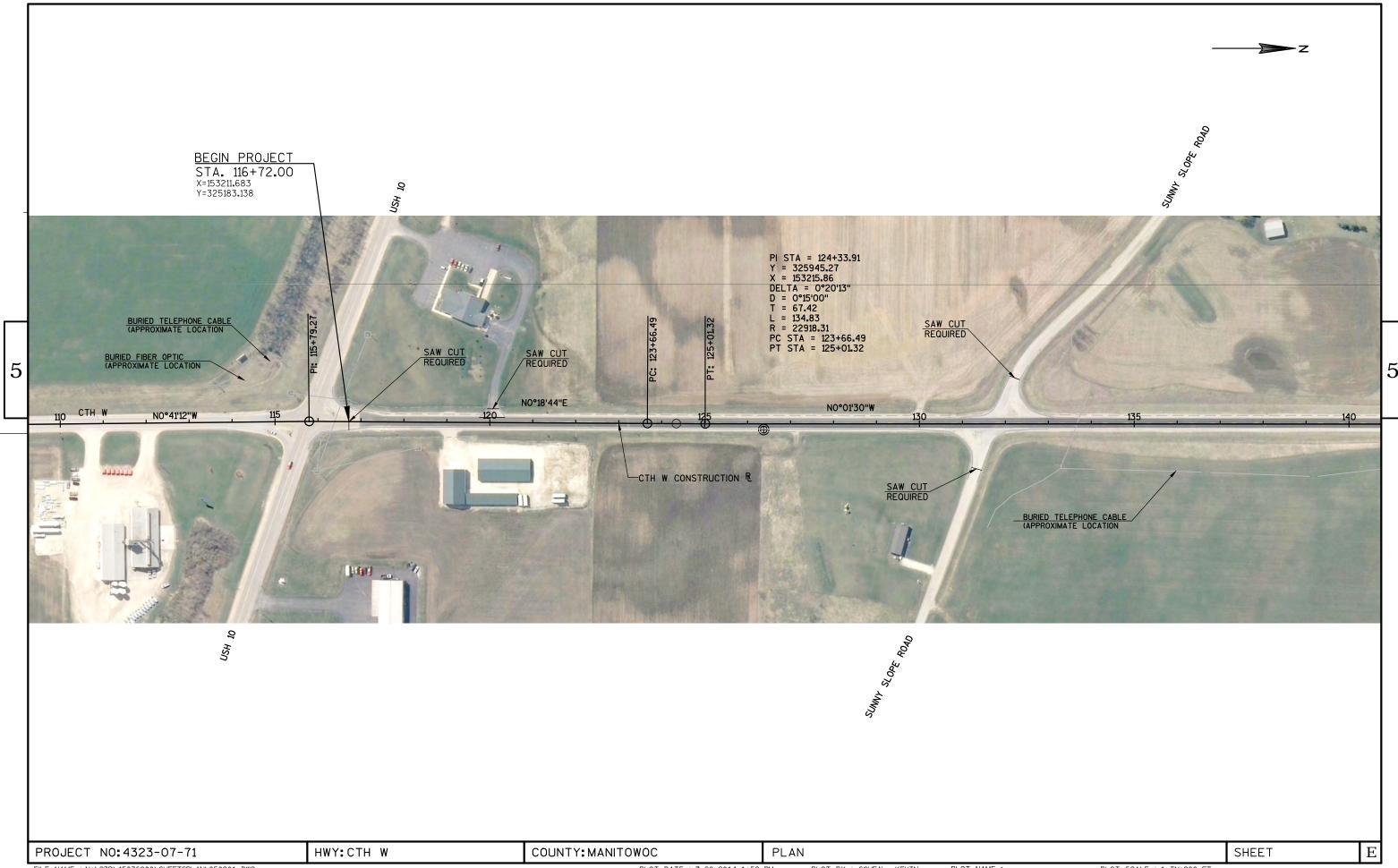
	STATION	LOCATION	690.0150 LF	REMARKS
	116+72 233+15 -	CTH W CTH W E. TAUS RD. W. TAUS RD.	48 25 24 22	PROJECT LIMITS PROJECT LIMITS PROJECT LIMITS PROJECT LIMITS
-	-	W. TAUS KD.	22	PROJECT LIIVIITS
	-	REIFS MILLS RD.	23	PROJECT LIMITS
	-	E. SUNNY SLOPE RD.	24	PROJECT LIMITS
	-	W. SUNNY SLOPE RD.	24	PROJECT LIMITS
	120+07	DRIVEWAY	50	PROJECT LIMITS
	116+75	EXISTING FLUME	10	PROJECT LIMITS
	TOTAL		250	

CONSTRUCTION STAKING

	STATION	то	STATION	LOCATION	650.8000 RESURFACING REFERENCE LF	650.9910 SUPPLEMENTAL CONTROL LS
	116+72 175+00	-	175+00 233+15	CTH W CTH W	5,828 5,815	1 -
•	٦	TOTAL:	S		11,643	1

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

PROJECT NO: 4323-07-71	HWY: CTH W	COUNTY: MANITOWOC	MISCELLANEOUS QUANTITIES	Ε	ĺ
	,		,	 , — '	4



FILE NAME : N:\C3D\45036900\SHEETSPLAN\050201.DWG PLOT BY : SOUFAL, KEVIN PLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 44



WISDOT/CADDS SHEET 44



WISDOT/CADDS SHEET 44



FILE NAME : N:\C3D\45036900\SHEETSPLAN\050201.DWG PLOT BY: SOUFAL, KEVIN PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 44



FILE NAME : N:\C3D\45036900\SHEETSPLAN\050201.DWG PLOT BY: SOUFAL, KEVIN PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 44

Standard Detail Drawing List

08E09-06	SILT FENCE
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

6

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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.

- ① 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)



SILT FENCE

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6

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

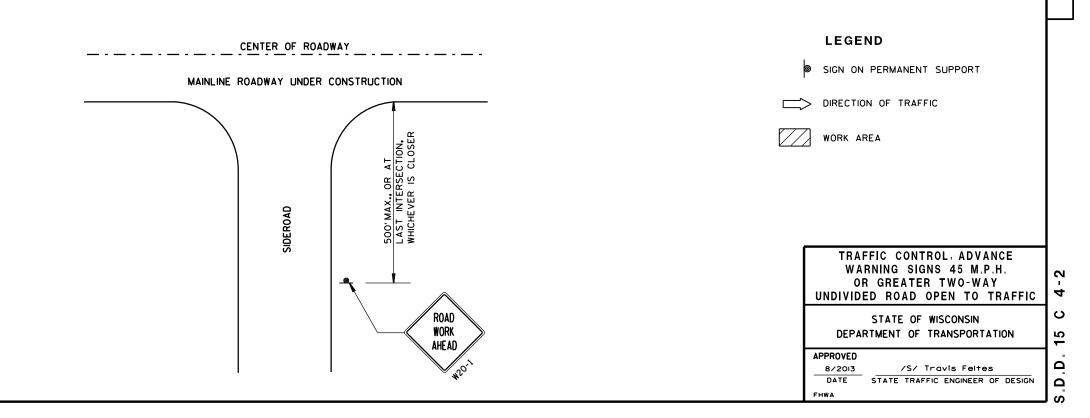
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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.

- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- * PLACE ADDITIONAL W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

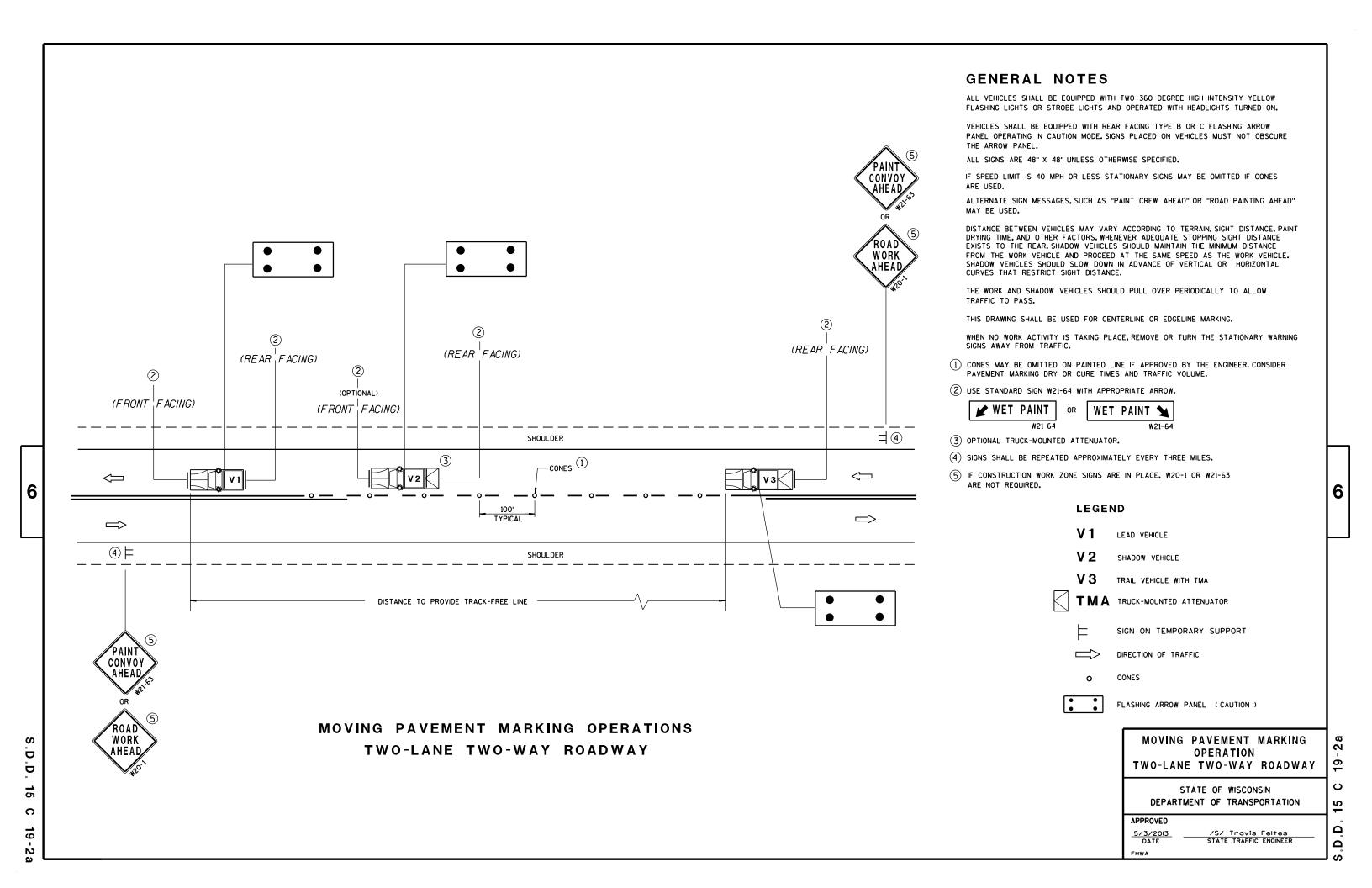


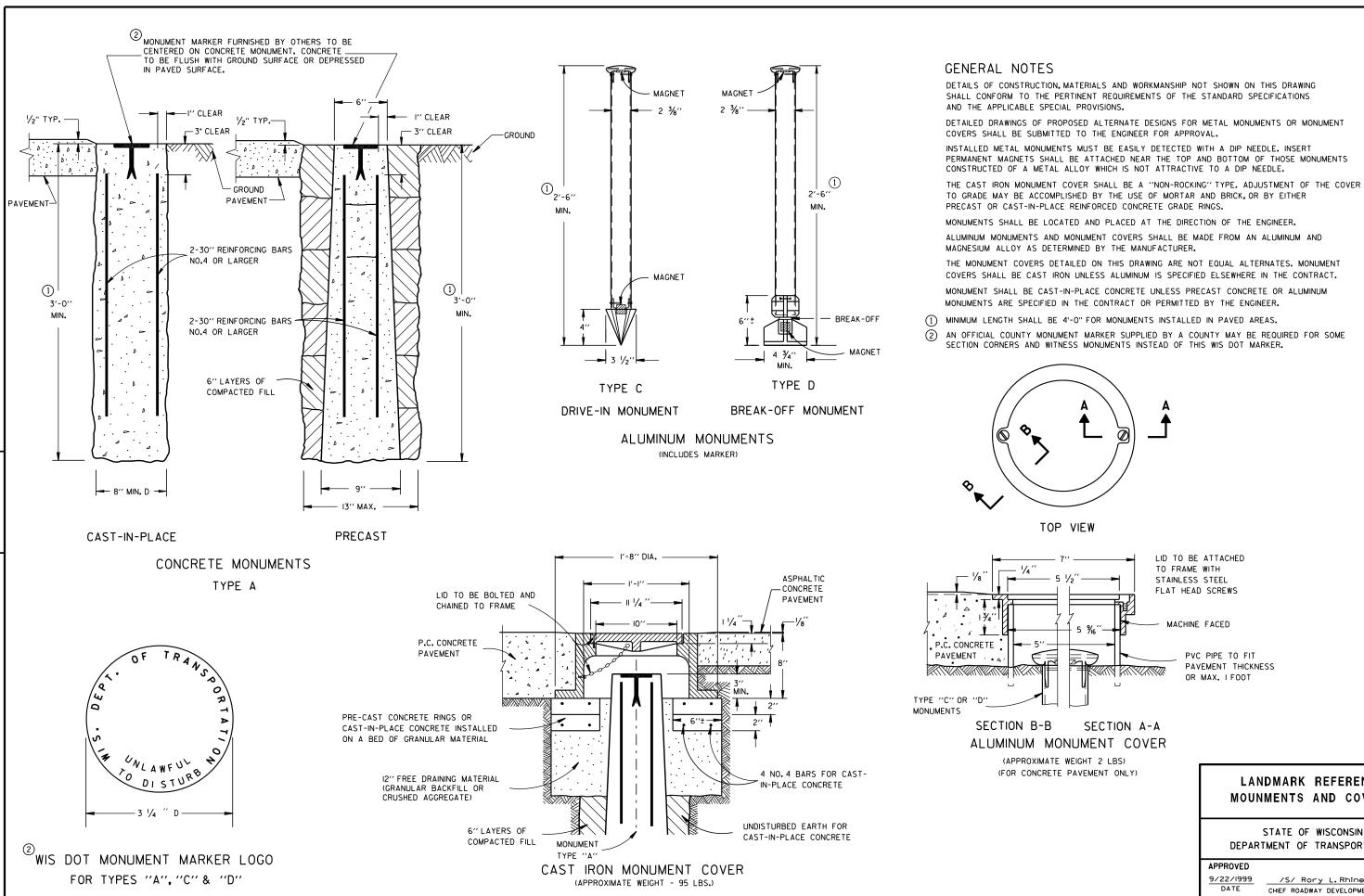
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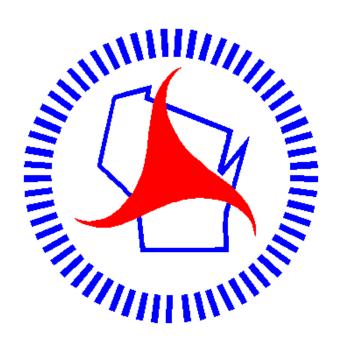
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER

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