Section No. 3

STATE OF WISCONSIN ORDER OF SHEETS Section No. 1 Title DEPARTMENT OF TRANSPORTATION Section No. 2 Typical Sections and Details

END PROJECT 1690-05-72

STA. 26+70.08 Y=406,137.45 X=781,328,31

PLAN OF PROPOSED IMPROVEMENT

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 1690-05-72

NEW GLARUS - VERONA

STH 92 TO CTH D

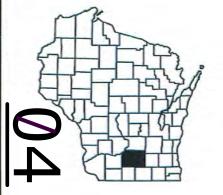
STH 69 DANE COUNTY

STATE PROJECT NUMBER 1690-05-72

RBE

AS-BUILT PLAN

SUPERVISOR: Bill Strobel PROJECT LEADER: Derrick Ballweg PROJECT MANAGER: Mahesh Shrestha PRIME CONTRACTOR: H. James & Sons, Inc. WORK STARTED: 5/22/17 WORK COMPLETED: 8/30/17



Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings

-Scotlan No. 7 Sign Plates

Scotton No. 8 Structure Plans

Section No. 9 Cross Sections

TOTAL SHEETS = 28

Section No. 9 Computer Earthwork Data

Estimate of Quantities

Right of Way Plat

Miscellaneous Quantities

DESIGN DESIGNATION

A.A.D.T. 2016 = 6200 A.A.D.T. 2036 = 7900 D.H.V. = 805 D.D. = 60/40 = 5.5% DESIGN SPEED = 35 MPH

= 920,000 FSALS

CONVENTIONAL SYMBOLS

MARSH AREA

WOODED OR SHRUB AREA

11111111 CORPORATE LIMITS PROPERTY LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE **EXISTING CULVERT** PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS

PROFILE GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC SANITARY SEWER STORM SEWER TELEPHONE WATER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

Subcontractor List:

Lunda Construction Company

Payne and Dolan, Inc.

SJK Engineering, LLC

Yahara Materials, Inc.

STA. 301+76.85

T-N-T Tree Service, LLC

Traffic Control & Protection

West-Land Restoration, Inc.

BEGIN PROJECT 1690-05-72

0 0

X

b

FEDERAL AVE. Augelli Concrete & Excavating, LLC Guide Lines Pavement Marking, LLC Hard Rock Sawing & Drilling Specialist Co. 69 D 3RD AVE. LAKE BELLE VIEW ENTERPRISE AVE. BROSS CIR. SERV-US ST. SUGAR RIVER (69) W. MAIN ST. E. MAIN ST. (92 W. PEARL ST. E. PEARL ST. 5 LAYOUT 1/8 MILE

STA 303+26.04 STH 69/92 STA 10+00.00 STH 69 Y=404,474.08 X=781.199.14

END CONSTRUCTION STA. 304+62.37 Y=404,474.92 X=781,335.46

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE 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.

REPARED BY Surveyor

MSA MAHESH SHRESTHA Project Manager

ORIGINAL PLANS PREPARED BY

WISCONSIN

KEVIN C.

LORD

E-35835

MADISON

WI

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

Regional Examiner BILL STROBEL

APPROVED FOR THE DEPARTMENT

FILE NAME : P:\370S\372\00372060\CADD\C3D\010101_TI_MSA.DWG 2014-5023 - 010101_TI - TITLE SHEET 1 IN EQ 0.5 MI

PLOT DATE: 10/24/2016 4:01 PM

TOTAL NET LENGTH OF CENTERLINE = 0.370 MI (LIRBAN)

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM THE ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES OR FROM GRUBBING OF TREES OR STUMPS SHALL BE BACKFILLED WITH GRANULAR BACKFILL. BACKFILL GRANULAR MATERIAL IS INCIDENTAL TO THE REMOVAL ITEM.

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.

ALL FITTINGS USED FOR WATER MAIN INSTALLATION SHALL BE DUCTILE CAST IRON IN ACCORDANCE WITH AWWA C-110. STAINLESS STEEL OR COR-TEN BOLTS ARE TO BE USED ON ALL WATER MAIN FITTINGS. ALL JOINTS SHALL BE MEGA-LUG CLAMPS. MATERIAL SHALL BE INCIDENTAL AND PAID FOR ON THE SPECIFIC BID ITEM.

ALL DUCTILE IRON PIPE, FITTINGS, AND HYDRANT LEADS SHALL BE ENCASED IN 6 MIL POLYETHYLENE. POLYETHYLENE SHALL BE TAPED AT INTERVALS SUFFICIENT TO PREVENT SOIL FROM CONTACTING PIPE, MATERIAL SHALL BE INCIDENTAL TO THE PIPE AND FITTINGS PAID FOR ON SPECIFIC BID ITEMS.

ALL WATER MAIN SHALL BE DISINFECTED, TESTED, AND FLUSHED ACCORDING TO THE STANDARD SPECIFICATIONS. TESTING AND DISINFECTING SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE PIPE AND SHALL NOT BE PAID FOR SEPARATELY. REPEATING TESTING NECESSARY TO OBTAIN A CONFORMING TEST SHALL NOT BE CONSIDERED JUSTIFICATION FOR ANY EXTRA EXPENSE, CHANGE ORDER, OR CONTRACT TIME DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL TESTS WITHIN NORMAL WORKING HOURS, AND NO HYDROSTATIC PRESSURE TEST SHALL BE STARTED AFTER 4:00 PM.

HMA PAVEMENT WHERE INDICATED ON THE PLANS, SHALL CONSIST OF LAYERS AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.

5.0" DEPTH

3.0" OF HMA PAVEMENT 3MT 58-28 S, AS THE LOWER LAYER

2.0" OF HMA PAVEMENT 4MT 58-28 S, AS THE UPPER LAYER

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING. TURNING, BIKE OR PARKING LANE.

SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

ASPHALT AND CONCRETE DRIVEWAYS SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PIROR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

DISTANCE BEHIND CURB TO UTILITY POLES MAY REQUIRE CONCRETE CURB AND GUTTER TO BE HAND FORMED RATHER THAN SLIP FORMED. THIS WILL BE INCIDENTAL TO THE ITEM.

STANDARD ABBREVIATIONS

AEW APRON END WALL
AGG AGGREGATE
BAD BASE AGGREGATE DENSE
BM BENCH MARK
C&G CURB AND GUTTER
C/L CENTER OR CONSTRUCTION LINE
CONC CONCRETE
CP CULVERT PIPE
CPCM CULVERT PIPE CORRUGATED METAL

CPCM CULVERT PIPE CORRUGATED METAL
CPRC CULVERT PIPE REINFORCED CONCRETE
CPRCHE CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSCP CORRUGATED STEEL CULVERT PIPE

CSCP CORRUGATED STEEL CULVERT PICTURE CSPA CORRUGATED STEEL PIPE ARCH CSD CONCRETE SURFACE DRAIN CY CUBIC-YARD D DEGREE OF CURVE

A DELTA
DISCH DISCHARGE
FE FIELD ENTRANCE

HERCP HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE

HMA HOT MIX ASPHALT
INV INVERT
L LENGTH OF CURVE
LHF LEFT HAND FORWARD

LT LEFT
MIN MINIMUM
M/L MATCHLINE
NB NORTHBOUND
NC NORMAL CROWN
NTS NOT TO SCALE
PAVT PAVEMENT
PB PULL BOX

PB PULL BOX
PC POINT-OF-CURVE
PCC POINT OF COMPOUND CURVE
PE PRIVATE ENTRANCE
PI POINT OF INTERSECTION
PLE PERMANENT LIMITED EASEMENT

PLE PERMANENT LIMITED EASEMENT
PT POINT OF TANGENT
PVC POINT OF VERTICAL CURVE
PVI POINT OF VERTICAL INTERSECTION
PVT POINT OF VERTICAL TANGENT

R RADIUS OF CURVE
R/L REFERENCE LINE
R/W RIGHT OF WAY
RAD RADIUS

RC REVERSE CROWN
RCAEW APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
RCHESS REINFORCED CONCRETE HORIZONTAL ELLIPTICAL STORM SEWER

RCPSS REINFORCED CONCRETE PIPE - STORM SEWER
REQUIR REQUIRED REQUIRED REQUIRED

RHF RIGHT HAND FORWARD
RO RUN OFF LENGTH
RT RIGHT
SALV SALVAGED
SR SIGNAL BASE

SB SIGNAL BASE
SDD STANDARD DETAIL DRAWING

SE SUPER ELEVATION
SF SQUARE FOOT
STA STATION
SY SQUARE YARD
T TANGENT LENGTH
TC TOP OF CURB

TLE TEMPORARY LIMITED EASEMENT

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
REMOVALS AND EROSION CONTROL
WATER MAIN PLAN
TYPICALS AND PAVEMENT MARKING
CONSTRUCTION DETAILS
TRAFFIC CONTROL/DETOUR
ALIGNMENT PLAN

UTILITIES

COMMUNICATION LINE
CHARTER COMMUNICATIONS
BRANDON STORM
2701 DANIELS ST.
MADISON, WI 5371B
(608) 274-3822
BRANDON.STORM@CHARTERCOM.COM

COMMUNICATION LINE
FRONTIER COMMUNICATIONS OF WI LLC.
ROBERT CHURCH
2222 WEST WISCONSIN ST.
PORTAGE, WI 53901
(608) 742-1817
ROBERT.CHURCH@FTR.COM

ELECTRICITY
ALLIANT ENERGY
JASON HOGAN
4902 N BILTMORE LN.
SUITE 1000
MADISON, WI 53718
(608) 458-4871
JASONHOGAN@ALLIANTENERGY.COM

GAS
WE ENERGIES
LATROY BRUMFIELD
333 WEST EVERETT ST.
ROOM A299
MILWAUKEE, WI 53203
(414) 221-5617
LATROY.BRUMFIELD@WE-ENERGIES.COM

WATER/SANITARY
VILLAGE OF BELLEVILLE
TIM FRANCOIS
20 RIVER ST.
PO BOX 79
BELLEVILLE, WI 53508
(608) 424-3666
TFRANCOISEVILLAGEOFBELLEVILLE.COM

GENERAL NOTES

WHERE MENTIONED ELSEWHERE IN THE SPECIFICATIONS OR PLANS, THE "STANDARD SPECIFICATION" SHALL REFER TO THE LATEST EDITION OF THE STATE OF WISCONSIN: "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION," AND THE LATEST AMENDMENTS (STATE SPECIFICATIONS) AND THE "VILLAGE OF BELLEVILLE STANDARD SPECIFICATIONS FOR PUBLIC WORKS IMPROVEMENTS" LAST REVISED IN APRIL 2007, (VILLAGE SPECIFICATIONS). IN INSTANCES WHERE THE STATE AND VILLAGE SPECIFICATION CONFLICT, THE STATE SPECIFICATION SHALL SUPERSEDE.

VILLAGE CONTACT

VILLAGE OF BELLEVILLE
TIM FRANCOIS
20 RIVER ST.
PO BOX 79
BELLEVILLE, WI 53508
(608) 424-3666
TFRANCOIS®VILLAGEOFBELLEVILLE.COM

WISDOT CONTACT

WISCONSIN DEPT OF TRANSPORTATION, SW REGION MAHESH SHRESTHA 2101 WRIGHT STREET MADISON, WI 53704 (608) 245-2674 MAHESH.SHRESTHA@DOT.WI.GOV

DEPT. OF NATURAL RESOURCES

WISCONSIN DEPT. OF NATURAL RESOURCES ERIC HEGGELUND 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711 (608) 275-3301 ERIC.HEGGELUND@WISCONSIN.GOV

DESIGN CONTACT

MSA PROFESSIONAL SERVICES
KEVIN LORD
2901 INTERNATIONAL LANE, SUITE 300
MADISON, WI 53704
(608) 242-7779
KLORD@MSA-PS.COM

Dial (800) 242-8511

www.DiggersHotline.com

PROJECT NO:1690-05-72

HWY: STH 69

COUNTY: DANE

GENERAL NOTES

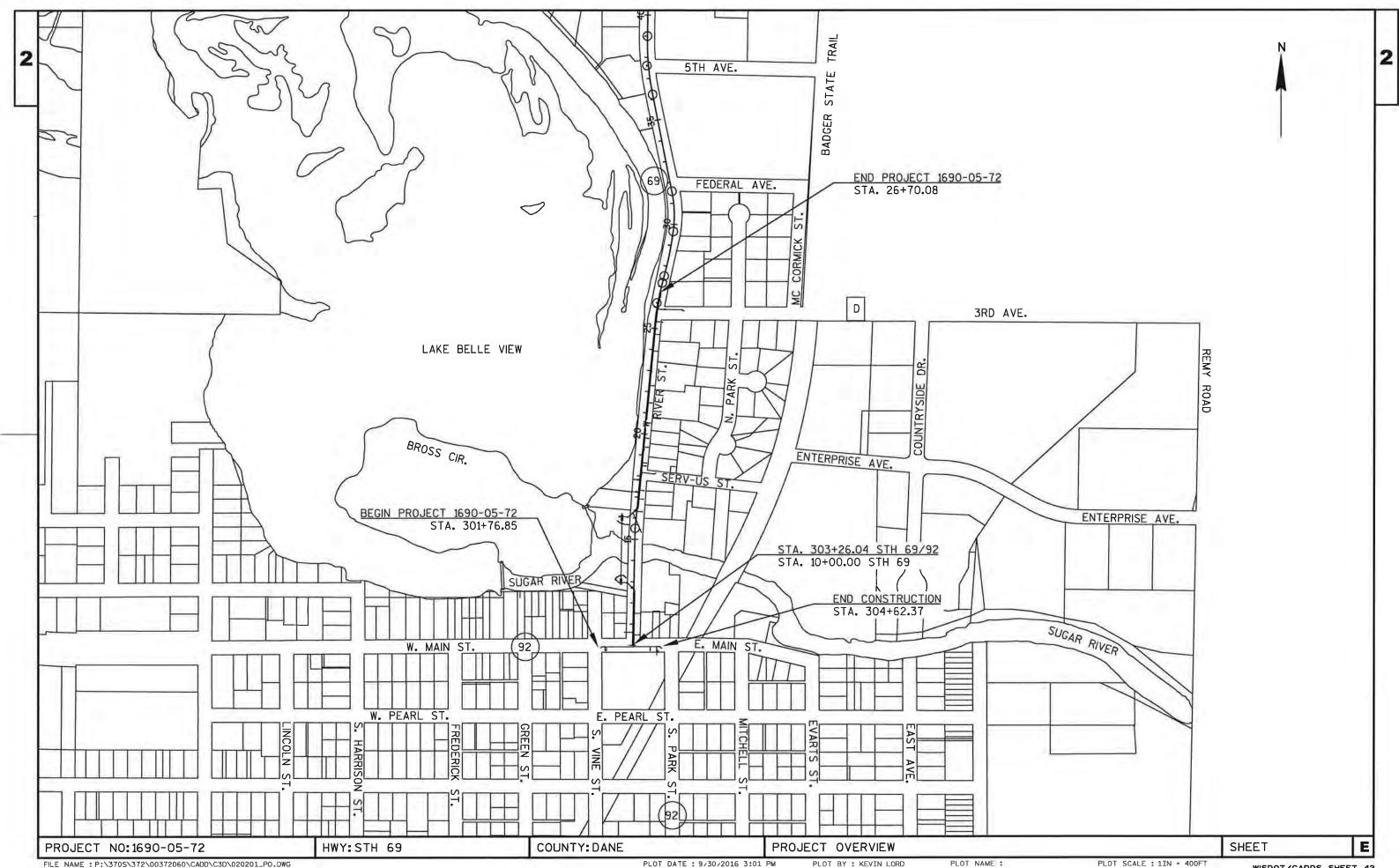
SHEET

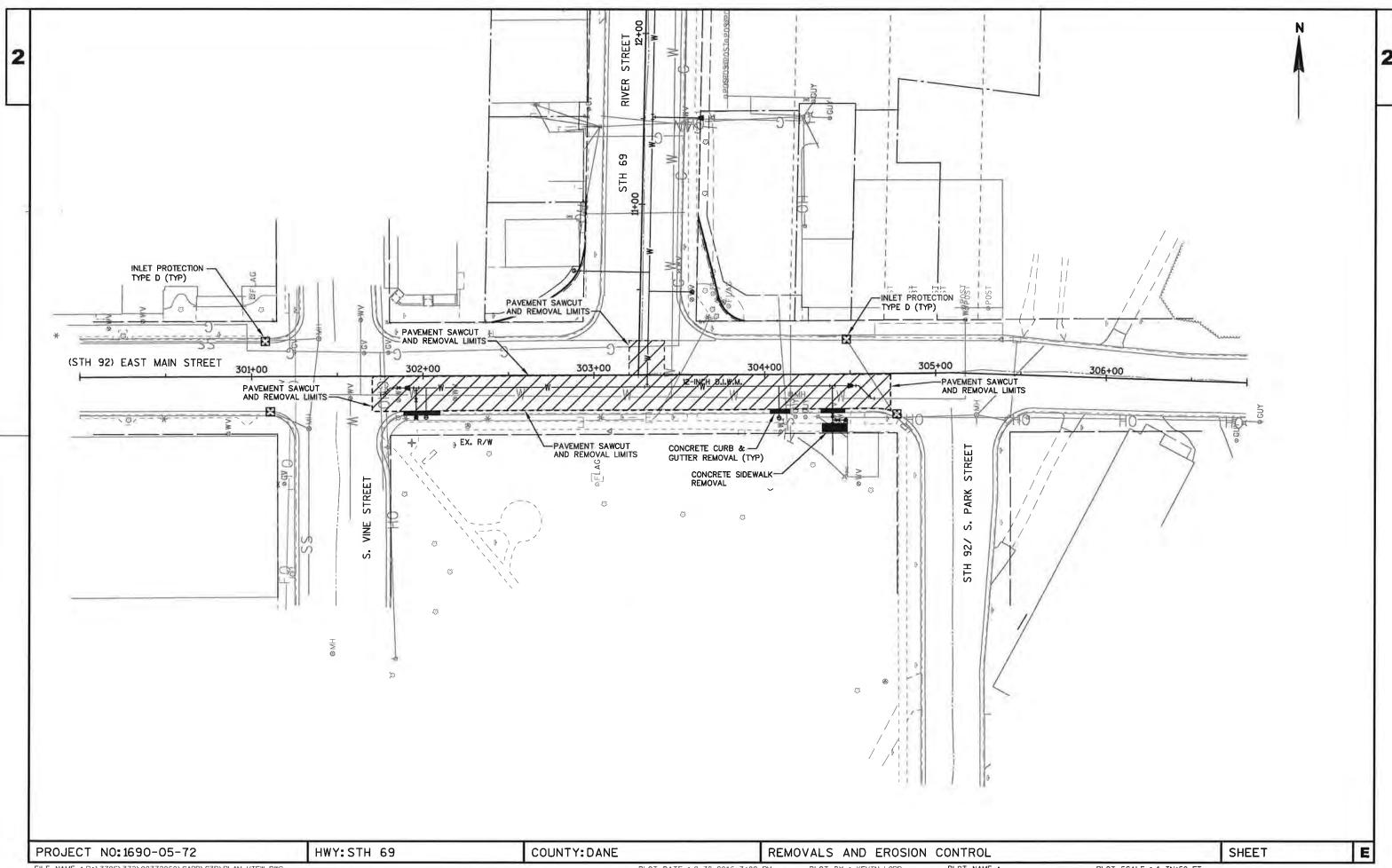
18

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PLOT NAME :

PLOT SCALE : WISDOT/CADDS SHEET 42





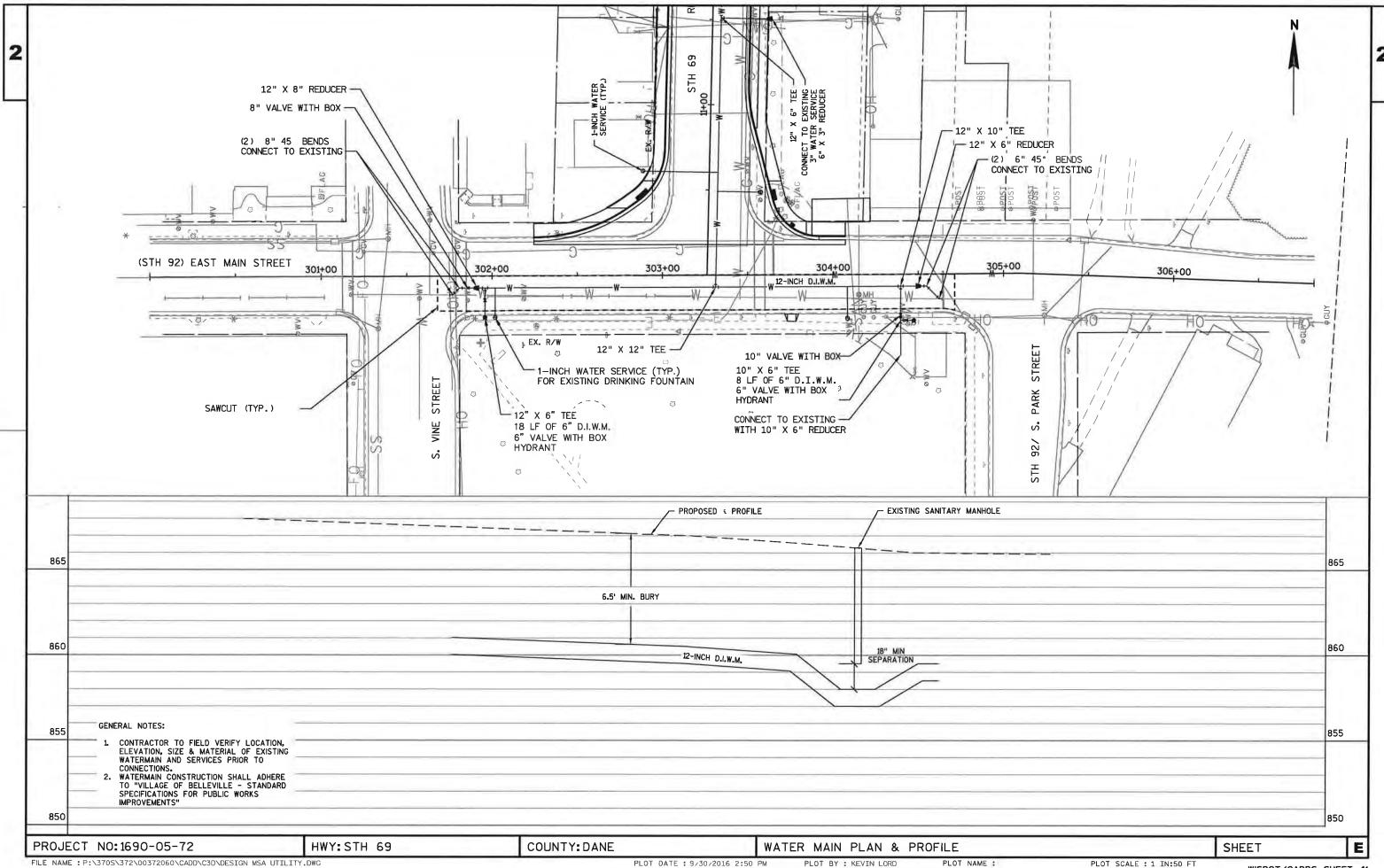
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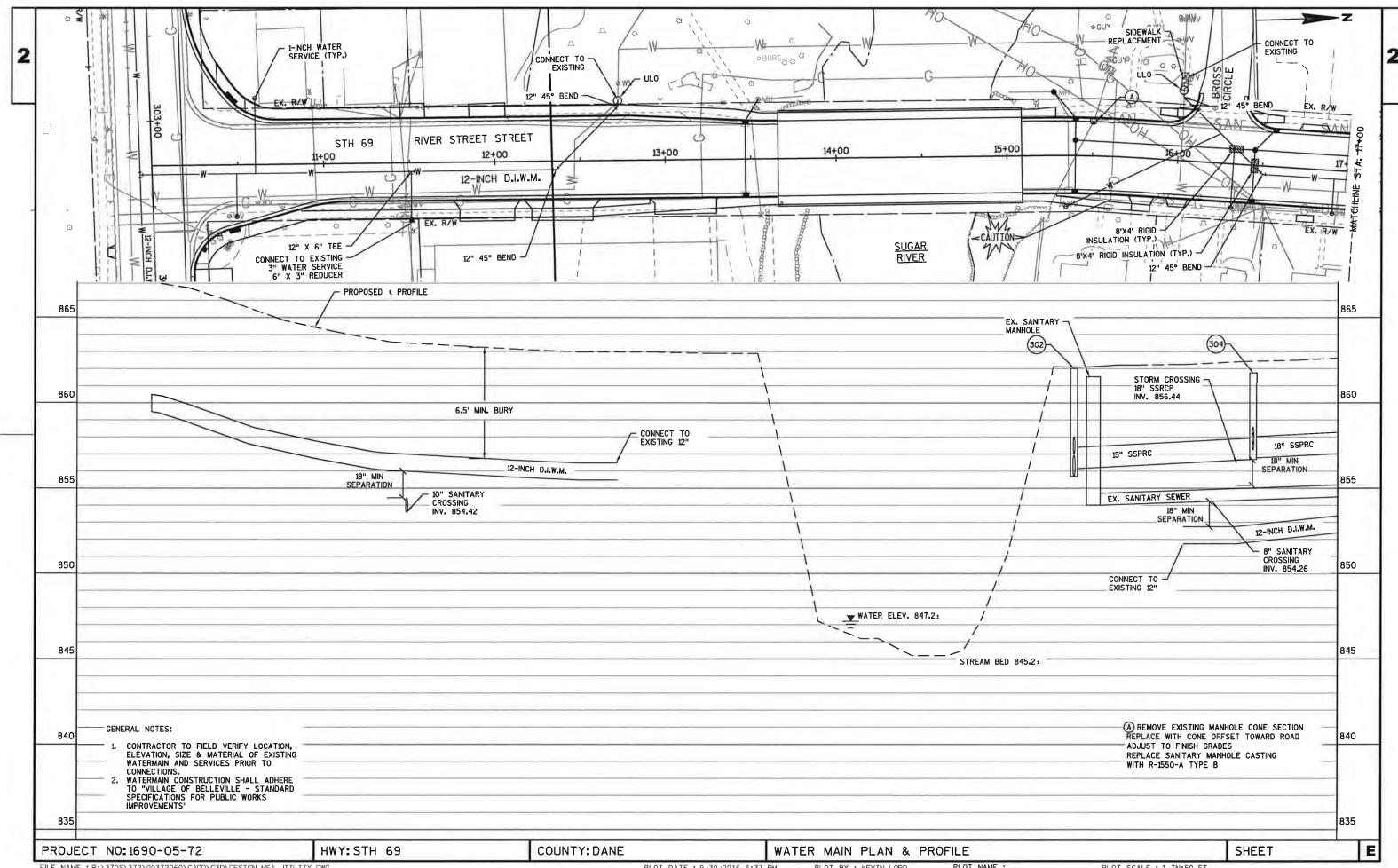
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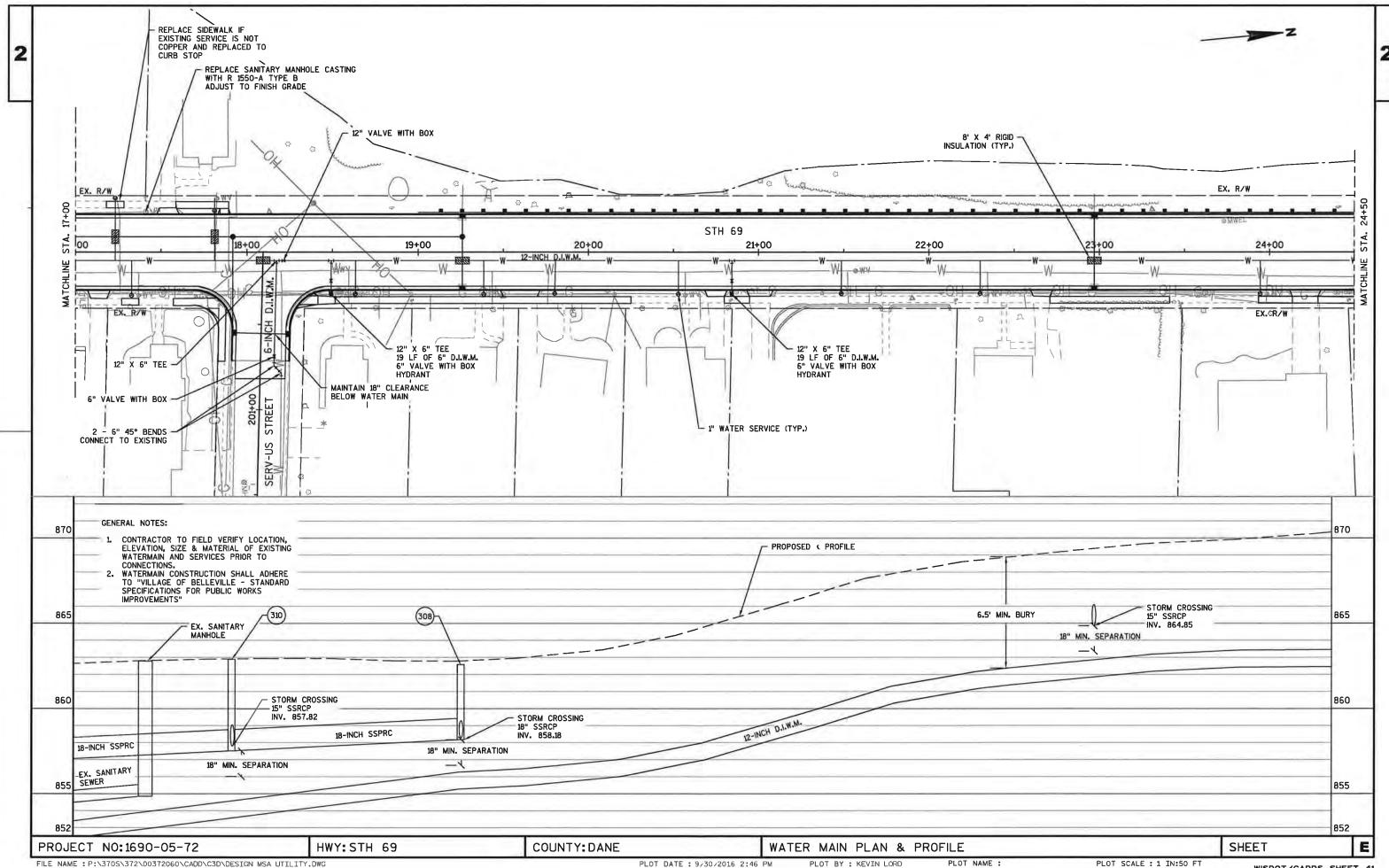
PLOT BY : KEVIN LORD

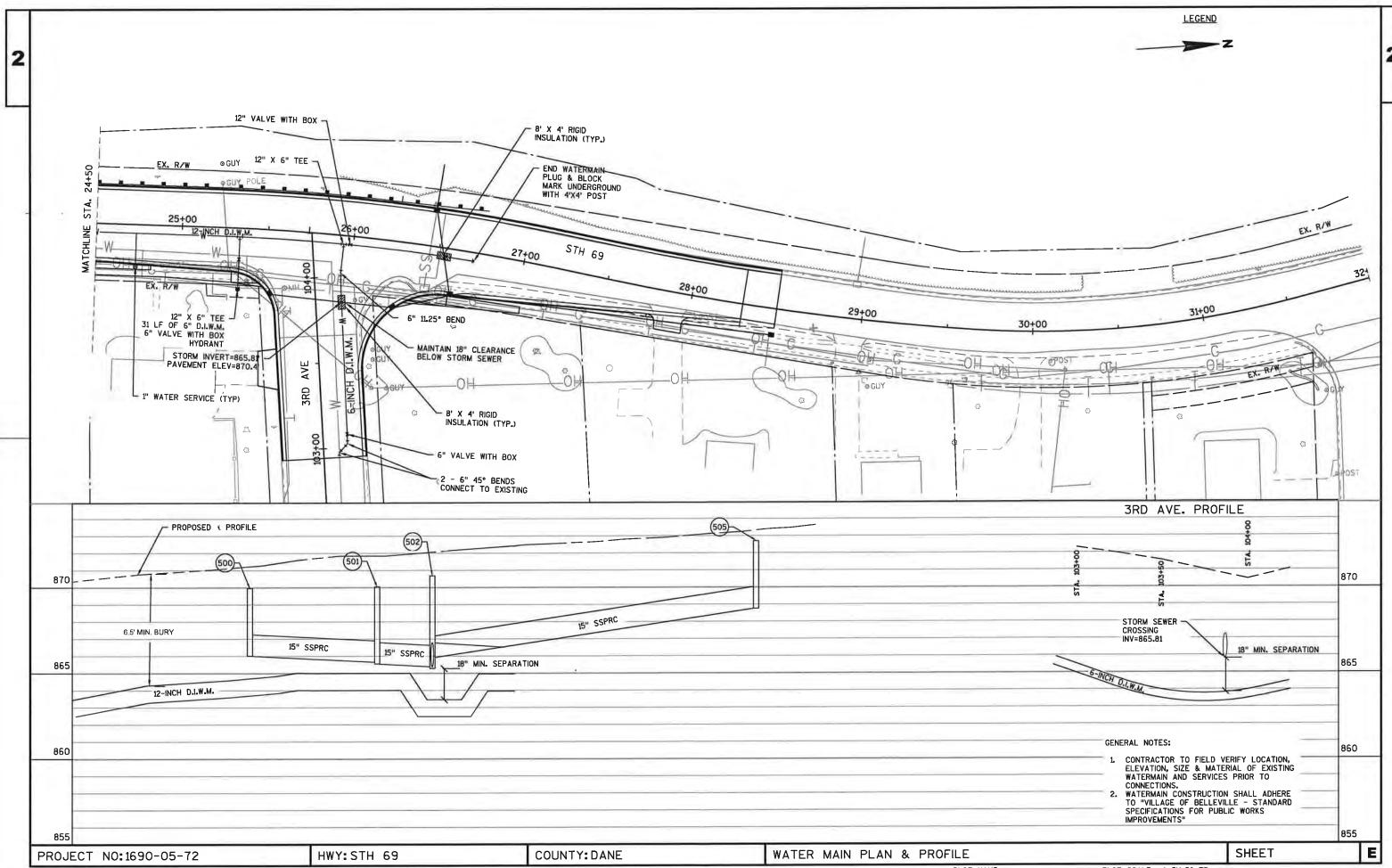
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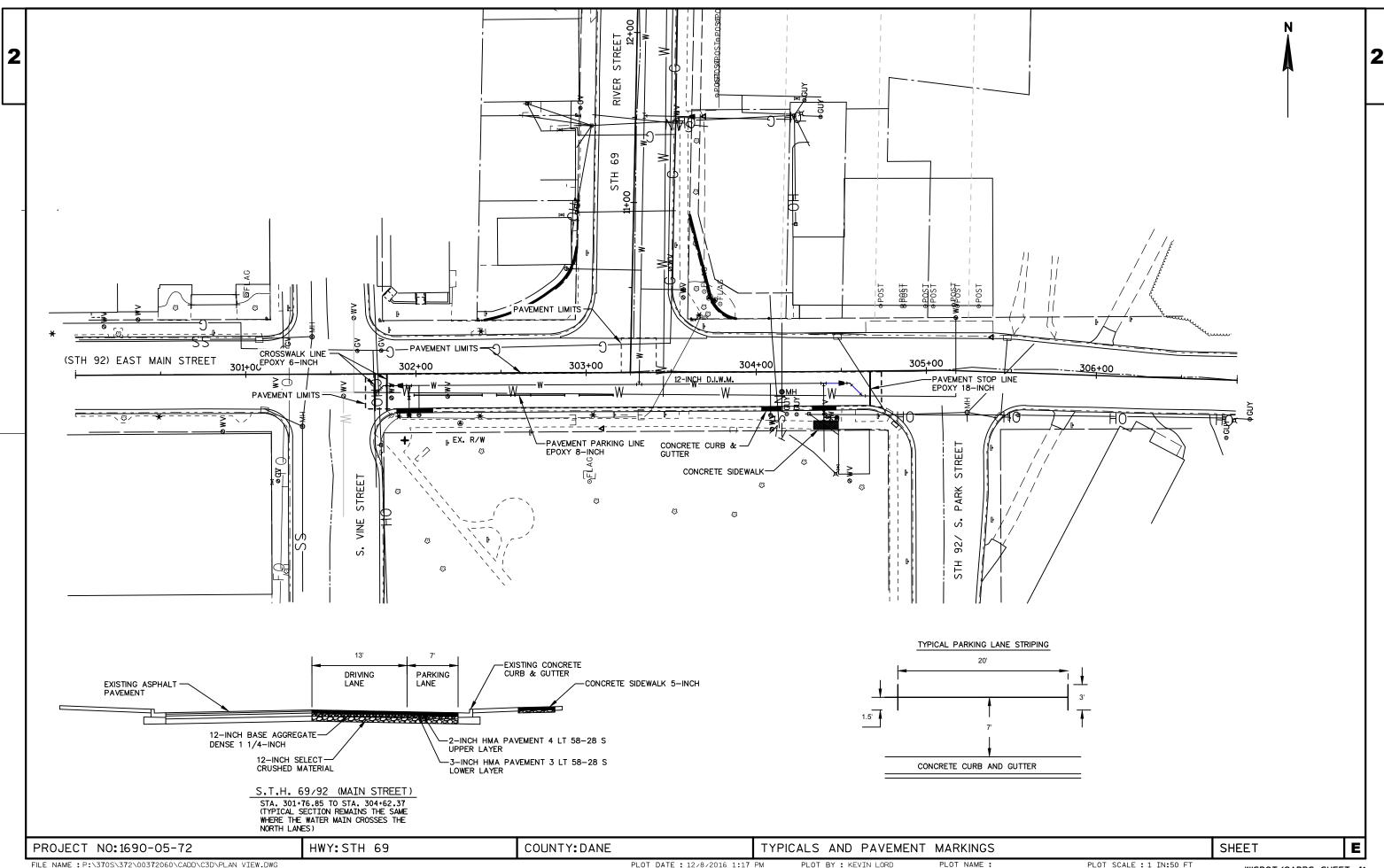
WISDOT/CADDS SHEET 41

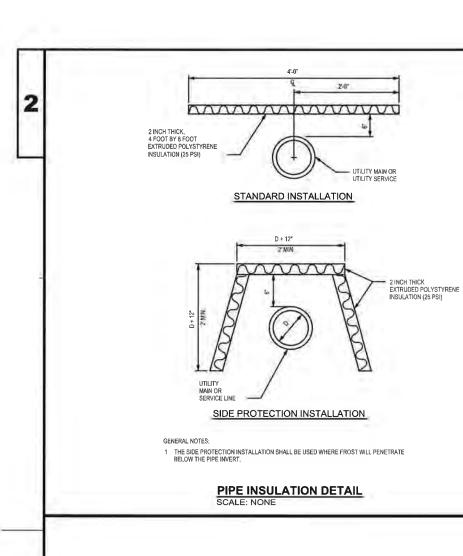


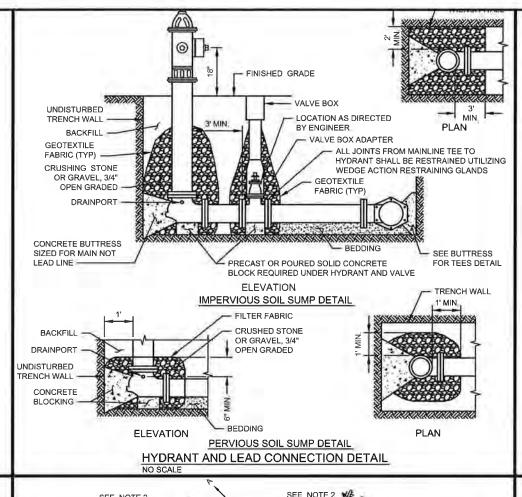


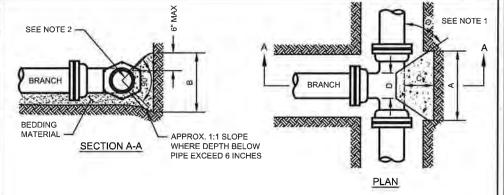










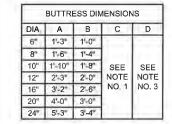


NOTES:

- DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREATER THAN OR EQUAL TO 45°
- CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM
- DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE
- SHOULD NOT INTERFERE WITH MECHANICAL JOINTS. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR
- BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95%%% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
- 6 CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI
- ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN **POLYETHYLENE**

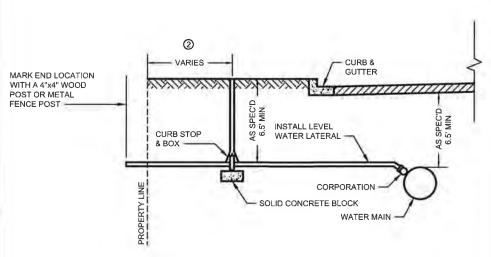
PRESSURES EXCEED 150 PSI

8, IN ADDITION TO BUTTRESSES, ALL JOINTS SURROUNDING TEES SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.



DIA = BRANCH DIAMETER

BUTTRESS FOR TEES DETAIL NO SCALE

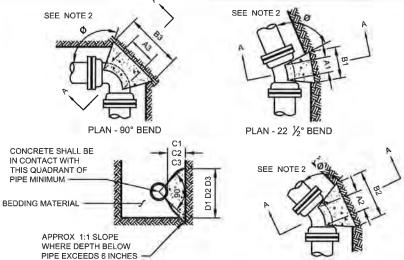


GENERAL NOTES:

- 1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.
- COMMUNITY STANDARDS SHALL SUPERSEDE THE
- DIMENSIONS FROM THE PROPERTY LINE

WATER SERVICE DETAIL

HWY: STH 69



STRENGTH OF 2000 PSI

- I. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150
 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FT INFORM THE ENGINEER IF PRESSURES EXCEED 150 PSI, OR ON-SITE SOIL DOES NOT MEET THIS CONDITION
- DIMENSION C1 C2 C3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE @ EQUAL TO OR LARGER THAN 45°

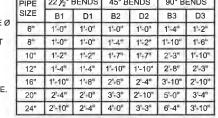
SECTION A-A

- DIMENSION A1 A2 A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECHANICAL JOINT.

 BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR
- DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
- ALL BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE
- IN ADDITION TO BUTTRESS, ALL JOINTS SURROUNDING BENDS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS
 - NO SCALE

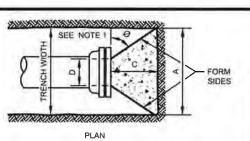
BUTTRESS DIMENSIONS 22 1/2° BENDS 45° BENDS 90° BENDS SIZE D1 B2 D2 B3 D3 B1 1'-0" 1'-0" 1'-4" 1'-2" 1"-0" 1'-0" 1'-0" 1'-4" 1'-2" 1'-10" 1'-6" 1'-2" 1'-2" 1'-7" 1'-7" 2'-3" 1'-10" 1'-4" 1'-4" 1'-10" 1'-10" 2'-8" 2'-3" 12" 1'-10" 1'-8" 2'-6" 2'-4" 3'-10" 2'-10" 16" 2'-4" 2'-0" 3'-3" 2'-10" 5'-0" 3'-4" 24" 2'-10" 2'-4" 4'-0" 3'-3" 6'-4" 3'-10"

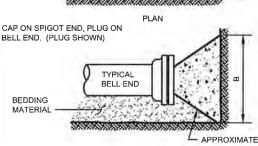
PLOT BY : KEVIN LORD



PLAN - 45° BEND

BUTTRESS FOR BENDS DETAIL





1'-2" 2"-0" 1"-4" 12" 2-5 SEE SEE 3'-4" 2"-4" NOTE NOTE NO 1 NO 2 2-10" 20" 4'-3" 24" 5"-2" 3"-4" 6'-9" 4"-0"

BUTTRESS DIMENSIONS

C

D

В

APPROXIMATE 1:1 SLOPE ELEVATION WHERE DEPTH BELOW PIPE EXCEEDS 6 INCHES

- 1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
- DIMENSION 'D' EQUALS APPROX. I D. OF PIPE LESS 2 INCHES. THE CONCRETE SHOULD NOT INTERFERE WITH THE
- 3. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, WEDGE ACTION RESTRAINING GLANDS SHALL BE PERMITTED
- BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SOLET, AND A WATER PRESSURE OF 150 PSI, INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
- 5. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557
- 6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI
- 7 ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
- 8 NO WOOD BUTTRESS ALLOWED.

BUTTRESS FOR PLUGS DETAIL NO SCALE

SHEET

COUNTY: DANE

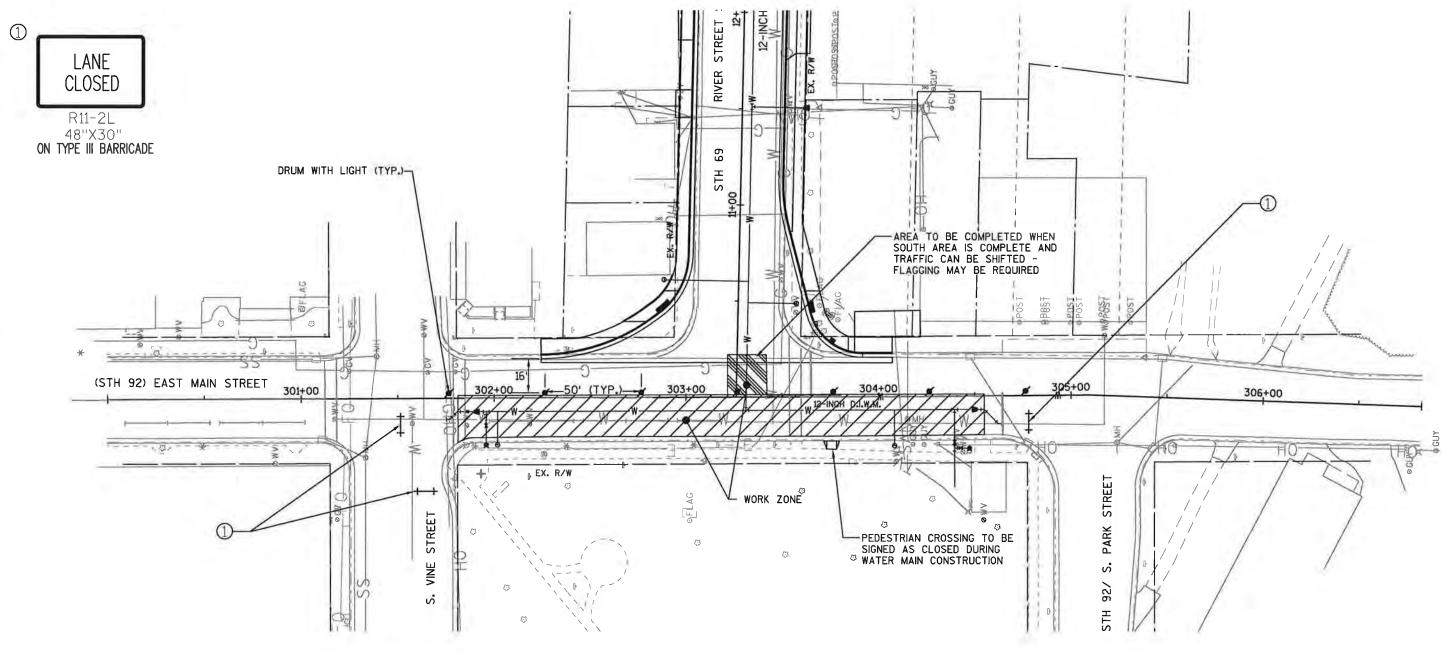
DETAILS

PLOT NAME :

PROJECT NO: 1690-05-72

- CONTRACTOR SHALL REFER TO THE FOLLOWING WISDOT STANDARD DETAIL DRAWING FOR TRAFFIC CONTROL -TRAFFIC CONTROL, LANE CLOSURE
- PROVIDE FLAGGING FOR 1-WAY OPERATIONAL NEEDS PER WISDOT STANDARD DETAIL DRAWING: TRAFFIC CONTROL FOR LANE CLOSURE SUITABLE FOR MOVING OPERATIONS.
- CONTRACTOR TO MAINTAIN MINIMUM 16-FOOT WIDE THROUGH





FILE NAME : P:\370S\372\00372060\CADD\C3D\DESIGN MSA UTILITY.DWG LAYOUT NAME - 022501_SS

PROJECT NO:1690-05-72

PLOT DATE: 9/30/2016 3:03 PM

COUNTY: DANE

PLOT BY : KEVIN LORD

TRAFFIC CONTROL PLAN

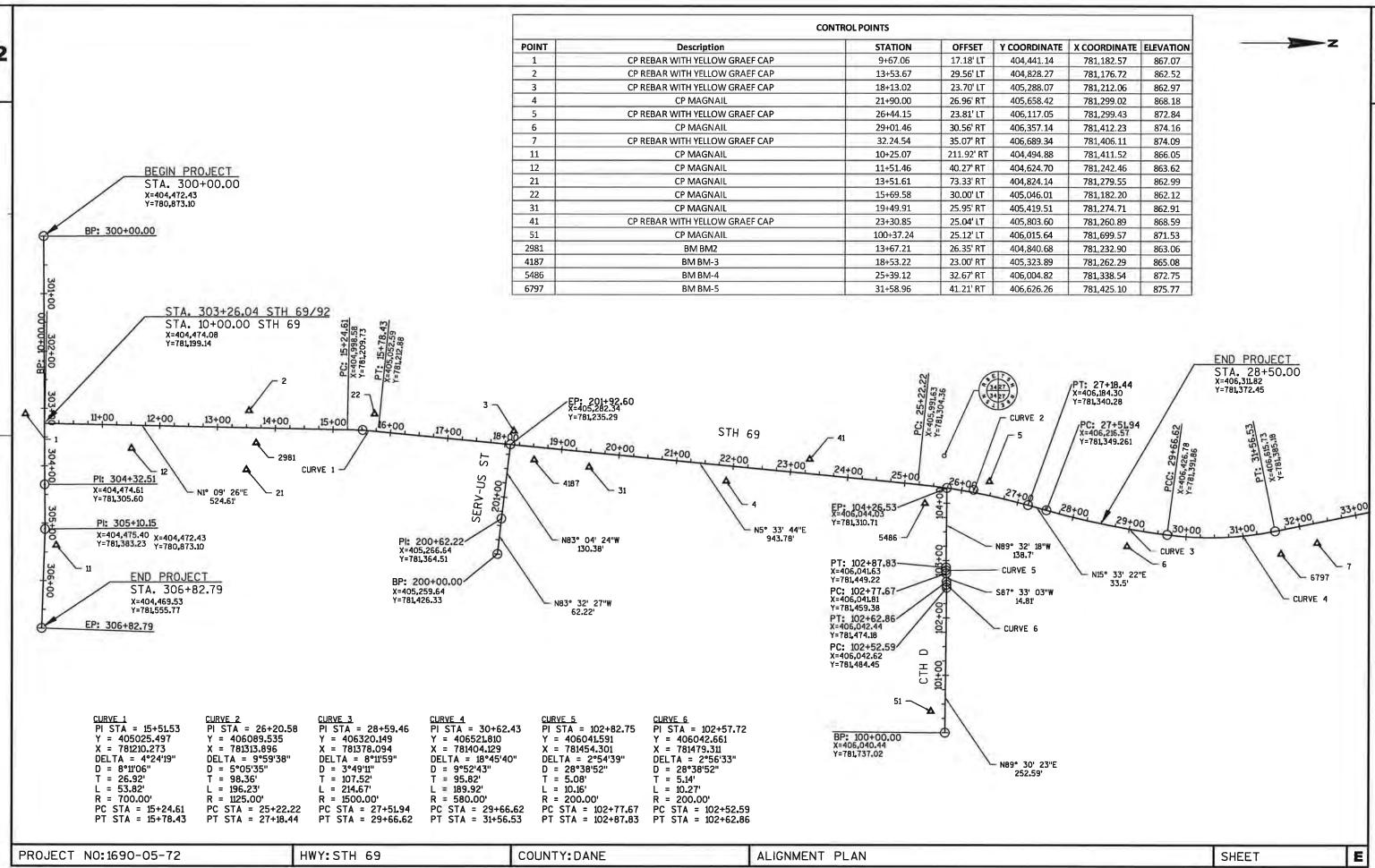
PLOT NAME :

PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 41

SHEET

HWY: STH 69



1690-05-72

					1690-05-72	
Line	Item	Item Description	Unit	Total	Qty	
0050	204.0100	Removing Pavement	SY	718.000	718.000	
0070	204.0150	Removing Curb & Gutter	LF	35.000	35.000	
0800	204.0155	Removing Concrete Sidewalk	SY	115.000	115.000	
0170	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	600.000	600.000	
0240	460.2000	Incentive Density HMA Pavement	DOL	130.000	130.000	
0260	460.5223	HMA Pavement 3 LT 58-28 S	TON	117.000	117.000	
0270	460.5224	HMA Pavement 4 LT 58-28 S	TON	78.000	78.000	
0390	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	35.000	35.000	
0410	602.0410	Concrete Sidewalk 5-Inch	SF	115.000	115.000	
0620	619.1000	Mobilization	EACH	0.100	0.100	
0640	625.0100	Topsoil	SY	200.000	200.000	
0730	628.7020	Inlet Protection Type D	EACH	4.000	4.000	
0750	629.0210	Fertilizer Type B	CWT	0.250	0.250	
0760	630.0140	Seeding Mixture No. 40	LB	5.000	5.000	
0910	643.0100	Traffic Control (project) 02. 1690-05-72	EACH	1.000	1.000	
0920	643.0300	Traffic Control Drums	DAY	98.000	98.000	
0930	643.0420	Traffic Control Barricades Type III	DAY	42.000	42.000	
1110	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	20.000	20.000	
1120	647.0656	Pavement Marking Parking Stall Epoxy	LF	124.000	124.000	
1140	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	40.000	40.000	
1230	690.0150	Sawing Asphalt	LF	400.000	400.000	
1240	690.0250	Sawing Concrete	LF	30.000	30.000	
1290	SPV.0060	Special 01. Remove & Salvage Existing Casting Frames & Grates		2.000	2.000	
1300	SPV.0060	Special 02. Sanitary Manhole Casting R-1550-A	EACH	2.000	2.000	
1310	SPV.0060	Special 03. Sanitary Manhole Chimney Seal	EACH	2.000	2.000	
1320	SPV.0060	Special 04. Remove & Replace Sanitary Manhole Cone Section		1.000	1.000	
1330	SPV.0060	Special 05. Adjust Casting	EACH	2.000	2.000	
1340	SPV.0060	Special 06. Remove & Salvage Existing Hydrant	EACH	4.000	4.000	
1350	SPV.0060	Special 07. Utility Line Opening - ULO	EACH	2.000	2.000	
1360	SPV.0060	Special 08. 12-Inch D.I. 45 Deg. Bend	EACH	4.000	4.000	
1370	SPV.0060	Special 09. 8-Inch D.I. 45 Deg. Bend	EACH	2.000	2.000	
1380	SPV.0060	Special 10. 6-Inch D.I. 45 Deg. Bend	EACH	6.000	6.000	
1390	SPV.0060	Special 11. 6-Inch D.I. 11.25 Deg. Bend	EACH	1.000	1.000	
1400	SPV.0060	Special 12. 12-Inch x 12-Inch D.I. Tee	EACH	1.000	1.000	
1410	SPV.0060	Special 13. 12-Inch x 10-Inch D.I. Tee	EACH	1.000	1.000	
1420	SPV.0060	Special 14. 12-Inch x 6-Inch D.I. Tee	EACH	7.000	7.000	
1430	SPV.0060	Special 15. 10-Inch x 6-Inch D.I. Tee	EACH	1.000	1.000	
1440	SPV.0060	Special 16. 12-Inch D.I. Cap	EACH	1.000	1.000	

1660

SPV.0165 Special 01. Insulation

Estimate Of Quantities By Plan Sets

Page 2

					1690-05-72
Line	Item	Item Description	Unit	Total	Qty
1450	SPV.0060	Special 17. 12-Inch x 8-Inch D.I. Reducer	EACH	1.000	1.000
1460	SPV.0060	Special 18. 12-Inch x 6-InchD.I. Reducer	EACH	1.000	1.000
1470	SPV.0060	Special 19. 10-Inch x 6-Inch D.I. Reducer	EACH	1.000	1.000
1480	SPV.0060	Special 20. 6-Inch x 3-Inch D.I. Reducer	EACH	1.000	1.000
1490	SPV.0060	Special 21. Water Service Tap W/Corp Stop 1-Inch	EACH	18.000	18.000
1500	SPV.0060	Special 22. Curb Stop and Box 1-Inch	EACH	18.000	18.000
1510	SPV.0060	Special 23. 12-Inch Valve and Box W/Alignment Saddle	EACH	2.000	2.000
1520	SPV.0060	Special 24. 10-Inch Valve and Box W/Alignment Saddle	EACH	1.000	1.000
1530	SPV.0060	Special 25. 8-Inch Valve and Box W/Alignment Saddle	EACH	1.000	1.000
1540	SPV.0060	Special 26. 6-Inch Valve and Box W/Alignment Saddle	EACH	7.000	7.000
1550	SPV.0060	Special 27. Connect to Existing Water Main	EACH	8.000	8.000
1560	SPV.0060	Special 28. Fire Hydrant	EACH	5.000	5.000
1580	SPV.0090	Special 01. Water Service 1-Inch Copper	LF	516.000	516.000
1590	SPV.0090	Special 02. D.I.W.M. 12-Inch	LF	1,625.000	1,625.000
1600	SPV.0090	Special 03. D.I.W.M. 10-Inch	LF	40.000	40.000
1610	SPV.0090	Special 04. D.I.W.M. 8-Inch	LF	16.000	16.000
1620	SPV.0090	Special 05. D.I.W.M. 6-Inch	LF	319.000	319.000
1630	SPV.0090	Special 06. Trench Backfill - Water Main	LF	2,050.000	2,050.000
1650	SPV.0105	Special 01. Abandon Existing Water Main	LS	1.000	1.000

288.000

SF

288.000

_	
2	

CATEGORY	STATION	TO STATION	LOCATION	(204.0100) REMOVING PAVEMENT SY	(204.0150) REMOVING CURB AND GUTTER LF	(204.0155) REMOVING CONCRETE SIDEWALK SF	(690.0150) SAWING ASPHALT LF	(690.0250) SAWING CONCRETE LF
0020	301+71.00	304+74.00	RT	674	ļ.		340	
0020	301+89.00	302+11.00	RT		12			5
0020	303+21.00	303+41.00	LT	44	ļ		60	
0020	304+02.00	304+10.00	RT		8			5
0020	304+32.00	304+47.00	RT		15			5
0020	304+34.00	304+49.00	RT			75	5	10
0020	16+00.00	16+04.00	LT			40)	5
Project 1690	0-05-72 TOTA	L		718	35	115	400	30

REMOVALS

CONCRETE CURB & GUTTER AND SIDEWALK

				(601.0411) CONCRETE CURB & GUTTER	(602.0410) CONCRETE SIDEWALK		
				30-INCH TYPE D	5-INCH		
CATEGORY	STATION	TO STATION	LOCATION	LF	SF		
0020	301+89.00	302+11.00	RT	12			
0020	304+02.00	304+10.00	RT	8			
0020	304+32.00	304+47.00	RT	15			
0020	304+34.00	304+49.00	RT		75		
0020	16+00.00	16+04.00	LT		40		
Project 1690)-05-72 TOTA	L		35	115		

PAVEMENT MARKING

				(647.0656) PAVEMENT MARKING PARKING STALL EPOXY	(647.0566) PAVEMENT MARKING STOP LINE EPOXY 18-INCH	(647.0766) PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
CATEGORY	STATION	TO STATION	LOCATION	LF	LF	LF
0020	301+76.00	301+85.00	RT			40
0020	301+98.00	303+17.00	RT	124	1	
0020	304+67.00	304+67.00	RT		20	
Project 1690-05-72 TOTAL				124	1 20	40

INLET PROTECTION

			(628.7020) INLET PROTECTION TYPE D
CATEGORY	STATION	LOCATION	EACH
0020	301+08.00	20' LT	1
0020	301+11.00	20' RT	1
0020	304+48.00	20' LT	1
0020	304+78.00	22' RT	1
Project 1690)-05-72 TOTA	L	4

RESTORATION

				(625.0100)	(629.0210)	(630.0140)
				TOPSOIL	FERTILIZER	SEEDING
					TYPE B	MIXTURE NO. 40
CATEGORY	STATION	TO STATION	LOCATION	SY	CWT	LB
0020	301+87.00	302+13.00	RT	15	0.02	0.4
0020	304+00.00	304+12.00	RT	10	0.01	0.2
0020	304+30.00	304+50.00	RT	15	0.02	0.4
0020	304+30.00	304+50.00	RT	100	0.12	2.5
0020	15+97.00	16+07.00	LT	60	0.08	1.5
Project 1690)-05-72 TOTA	L		200	0.25	5

MOBILIZATION

 CATEGORY
 LOCATION
 EACH

 0020
 PROJECT 1690-05-72
 0.1

 Project 1690-05-72 TOTAL
 0.1

TRAFFIC CONTROL

		(643.0100.02) TRAFFIC CONTROL	(643.03 TRAFFIC CONTI	•	(643.0420) TRAFFIC CONTROL BARRICADES TYP			
		(1690-05-72)				III		
CATEGORY	LOCATION	EACH	DRUM	DAYS	EACH		DAYS	
0020	STH 92	1	7		98	3	42	
Project 1690-	05-72 TOTAL	1	7		98	3	42	

HMA PAVEMENT AND BASE AGGREGATE

			(305.0120)	(460.5223)	(460.5224)
			BASE AGGREGATE DENSE 1	HMA PAVEMENT	HMA PAVEMENT
			1/4-INCH	3 LT 58-28 S	4 LT 58-28 S
STATION	TO STATION	LOCATION	TON	TON	TON
301+71.00	304+74.00	RT	565	110	73
303+21.00	303+41.00	LT	35	7	5
)-05-72 TOTA	L		600	117	78
	301+71.00 303+21.00	301+71.00 304+74.00	301+71.00 304+74.00 RT 303+21.00 303+41.00 LT	BASE AGGREGATE DENSE 1 1/4-INCH STATION TO STATION LOCATION TON 301+71.00 304+74.00 RT 565 303+21.00 303+41.00 LT 35	BASE AGGREGATE DENSE 1 1/4-INCH 1/4-INCH 3 LT 58-28 S STATION TO STATION LOCATION TON TON TON 301+71.00 304+74.00 RT 565 303+21.00 303+41.00 LT TON

PROJECT NO:1690-05-72 HWY:STH 69 COUNTY:DANE MISCELLANEOUS QUANTITIES SHEET **E**

^{*} MOBILIZATION = COMBINATION OF PROJECT ID 1690-05-71 AND 1690-05-72. ADDITIONAL 0.9 QUANTITY OF MOBILIZATION IN PROJECT 1690-05-71.

PROPOSED TIME T	
12-INCH D.I. 45 8-INCH D.I. 45 6-INCH D.I. 45 6-INCH D.I. 45 6-INCH D.I. 45 6-INCH D.I. 14.5 6-INCH D.I. 14.5 6-INCH X12-INCH X12-INCH X12-INCH X10-INCH X10-I	
DEG. BEND DEG.	20)
CATEGORY STATION LOCATION EACH 10" x 6" EACH	NCH
1 1 1 1 1 1 1 1 1 1	ER
0020 11+51.15 32.9' RT 1 0020 12+58.01 5.0' RT 1 0020 12+72.35 31.6' LT 1 0020 16+01.25 37.3' LT 1 0020 16+50.23 5.0' RT 1 0020 18+17.45 5.0' RT 1 0020 18+49.28 5.0' RT 1 0020 20+85.00 5.0' RT 1	
0020 12+58.01 5.0' RT 1 0020 12+72.35 31.6' LT 1 0020 16+01.25 37.3' LT 1 0020 16+50.23 5.0' RT 1 0020 18+17.45 5.0' RT 1 0020 18+49.28 5.0' RT 1 0020 20+85.00 5.0' RT 1	
0020 12+72.35 31.6' LT 1 0020 16+01.25 37.3' LT 1 0020 16+50.23 5.0' RT 1 0020 18+17.45 5.0' RT 1 0020 18+49.28 5.0' RT 1 0020 20+85.00 5.0' RT 1 1 1 1 1 1 1 1 1 1 1 1 1	
0020 16+01.25 37.3' LT 1 0020 16+50.23 5.0' RT 1 0020 18+17.45 5.0' RT 1 0020 18+49.28 5.0' RT 1 0020 20+85.00 5.0' RT 1	
0020 16+50.23 5.0' RT 1 0020 18+17.45 5.0' RT 1 0020 18+49.28 5.0' RT 1 0020 20+85.00 5.0' RT 1	
0020 18+17.45 5.0' RT 1 0020 18+49.28 5.0' RT 1 0020 20+85.00 5.0' RT 1	
0020 18+49.28 5.0' RT 1 0020 20+85.00 5.0' RT 1	
0020 20+85.00 5.0' RT	
0020 25+33.48 5.0' RT 1	
0020 25+94.22 5.0' RT 1	
0020 26+70.08 5.0' RT	
0020 102+97.28 9.1' RT 1	
0020 103+02.26 14.2' RT 1	
0020 104+01.86 15.4' RT 1	
0020 201+26.03 8.0' RT 1	
0020 201+21.73 12.4' RT 1	
0020 301+76.85 13.3' RT 1	
0020 301+80.81 7.0° RT 1	
0020 301+89.48 7.0° RT 1	
0020 301+95.91 7.0° RT 1	
0020 303+31.14 7.0' RT 1 0020 304+39.57 7.0' RT 1	
0020 304+39.57 7.0' RT 1 0020 304+39.44 47.2' RT 1	

LOCATION	RIM	(SPV.0060.01) REMOVE & SALVAGE EXISTING CASTINGS, FRAMES & GRATES	(SPV.0060.02) SANITARY MANHOLE CASTING R-1550-A EACH	(SPV.0060.03) SANITARY MANHOLE CHIMNEY SEAL EACH	(SPV.0060.04) REMOVE & REPLACE SANITARY MANHOLE CONE SECTION	(SPV.0060.05) ADJUST CASTING EACH		FR	<u>aba</u> Rom	NDON WATER MAIN TO	(SPV.0105.01) ABANDON EXISTING WATER MAIN
CATEGORY STATION (FT)	ELEVATION	EACH			EACH		CATEGORY	STATION	LOCATION	STATION LOCATION	LUMP SUM
0010 15+50.39 21.2' LT	861.54	1	1	1	1	1	0020	301+76.85	11.0' RT	304+62.37 14.6' RT	
0010 17+41.12 23.7' LT	862.78	1	1	1		1	0020	303+45.32	13.0' RT	12+46.39 16.6' RT	
Project 1690-05-72 TOTAL		2	2	2	1	2	0020	304+40.91	14.2' RT	304+39.49 47.4' RT	
							0020	12+46.39	16.6' RT	12+46.99 12.3' LT	
							0020	12+46.99	12.3' LT	12+72.45 34.3' LT	
							0020	16+01.26	37.1' LT	16+01.84 15.3' RT	
							0020	16+01.84	15.3' RT	25+88.05 16.0' RT	
							0020	201+21.73	12.4' RT	201+81.55 10.8' RT	
							0020	102+97.28	9.1' RT	104+08.67 10.5' RT	

PROJECT NO:1690-05-72 HWY:STH 69 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET E PLOT NAME :

0020

0020

0020

0020

304+39.50

304+51.42

304+54.91

304+62.37

Project 1690-05-72 TOTAL

27.0' RT

7.0' RT

7.0' RT

14.6' RT

1

SANITARY SEWER

Project 1690-05-72 TOTAL

3	

			WATER SERVICES		
			(SPV.0060.21)	(SPV.0060.22)	(SPV.0090.01)
			WATER SERVICE TAP	CURB STOP AND	WATER SERVICE
			W/CORP STOP 1-INCH	BOX 1-INCH	1-INCH COPPER
CATEGORY	STATION	LOCATION	EACH	EACH	LF
0020	10+49.33	30.4' RT	1	1	25
0020	10+60.25	38.8' LT	1	1	44
0020	15+34.39	29.9' RT	1	1	100
0020	16+32.74	25.5' RT	1	1	36
0020	16+92.34	25.2' RT	1	1	20
0020	17+23.29	31.7' LT	1	1	37
0020	17+32.87	25.4' RT	1	1	20
0020	17+78.41	31.4' LT	1	1	37
0020	18+63.42	24.5' RT	1	1	20
0020	19+38.57	24.7' RT	1	1	20
0020	19+80.25	24.2' RT	1	1	20
0020	20+52.91	24.7' RT	1	1	20
0020	21+48.58	24.3' RT	1	1	20
0020	22+30.10	24.3' RT	1	1	20
0020	23+94.45	24.3' RT	1	1	20
0020	24+73.44	24.7' RT	1	1	20
0020	302+01.79	24.3' RT	1	1	18
0020	304+08.38	25.5' RT	1	1	19
Project 1690	D-05-72 TOTA	\L	18	18	516

			(SPV.0060.23) 12-INCH VALVE AND BOX W/ALIGNMENT SADDLE	(SPV.0060.24) 10-INCH VALVE AND BOX W/ALIGNMENT SADDLE	(SPV.0060.25) 8-INCH VALVE AND BOX W/ALIGNMENT SADDLE	W/ALIGNMENT SADDLE
			EACH	EACH	EACH	EACH
CATEGORY	STATION	LOCATION				
0020	12+71.65	8.7' LT				
0020	18+21.48	5.0' RT	1			
0020	18+49.28	16.8' RT				1
0020	20+85.00	17.0' RT				1
0020	25+33.46	18.2' RT				1
0020	25+98.07	5.0' RT	1			
0020	103+07.77	14.2' RT				1
0020	201+31.41	8.0' RT				1
0020	301+85.76	7.0' RT			1	
0020	301+95.90	14.2' RT				1
0020	304+39.51	23.9' RT				1

2

PROPOSED VALVES

CONNECT TO EXISTING WATER MAIN						
			(SPV.0060.07)	(SPV.0060.27)		
			UTILITY LINE	CONNECT TO EXISTING		
			OPENING - ULO	WATER MAIN		
CATEGORY	STATION	LOCATION	EACH	EACH		
0020	11+51.15	32.9' RT		1		
0020	12+72.35	35.6' LT		1		
0020	12+72.47	35.6' LT	1			
0020	16+00.90	41.3' LT	1			
0020	16+00.94	46.3' LT		1		
0020	102+97.28	9.1' RT		1		
0020	201+21.73	12.4' RT		1		
0020	301+76.85	10.9' RT		1		
0020	304+39.44	47.2' RT		1		
0020	304+62.76	14.9' RT		1		
Project 1690	Project 1690-05-72 TOTAL 2 8					

	11	NSULATION	
			(SPV.0165.01)
			INSULATION
CATEGORY	STATION	LOCATION	SF
0020	16+35.00	8.0' LT	32
0020	16+45.00	0.0' RT	32
0020	17+23.00	8.0' LT	32
0020	17+78.00	8.0' LT	32
0020	17+92.00	5.0' RT	32
0020	19+26.00	5.0' RT	32
0020	22+97.00	5.0' RT	32
0020	26+53.00	5.0' RT	32
0020	103+85.00	15.0' RT	32
Project 1690)-05-72 TOTA	L	288

0020

304+42.64 27.0' RT

Project 1690-05-72 TOTAL

	FR	ОМ	7	го	(SPV.0090.02)	(SPV.0090.03)	(SPV.0090.04)	(SPV.0090.05)	(SPV.0090.06)
					D.I.W.M. 12-Inch	D.I.W.M. 10-Inch	D.I.W.M. 8-Inch	D.I.W.M. 6-Inch	TRENCH BACKFIL
CATEGORY	STATION	LOCATION	STATION	LOCATION	LF	LF	LF	LF	LF
0020	303+31.14	7.0' RT	12+35.77	5.0' RT	242				242
0020	11+51.15	5.0' RT	11+51.15	35.0' RT				30	40
0020	12+35.77	5.0' RT	12+72.35	31.6' LT	52				52
0020	12+72.35	31.6' LT	12+72.35	35.6' LT	4				9
0020	16+00.94	46.3' LT	16+01.25	37.3' LT	9				9
0020	16+01.25	37.3' LT	16+50.23	5.0' RT	64				69
0020	16+50.23	5.0' RT	18+17.45	5.0' RT	167				167
0020	18+17.45	5.0' RT	25+33.47	5.0' RT	684				684
0020	18+50.00	5.0' RT	18+50.00	24.0' RT				19	19
0020	25+33.47	5.0' RT	25+94.22	5.0' RT	61				61
0020	25+34.00	5.0' RT	35+34.00	36.0' RT				31	31
0020	25+94.22	5.0' RT	26+70.08	5.0' RT	76				76
0020	102+97.28	9.1' RT	103+02.26	14.1' RT				7	12
0020	103+02.26	14.1' RT	104+01.86	15.3' RT				100	100
0020	104+01.86	15.3' RT	104+18.56	18.2' RT				17	17
0020	201+21.73	12.4' RT	201+26.03	8.0' RT				6	11
0020	201+26.03	8.0' RT	201+87.58	8.0' RT				62	62
0020	301+76.85	13.3' RT	301+80.81	7.0' RT				6	11
0020	301+80.81	7.0' RT	301+89.48	7.0' RT			9		9
0020	301+89.48	7.0' RT	301+95.91	7.0' RT			7		7
0020	301+95.91	7.0' RT	301+95.90	24.2' RT				18	18
0020	301+95.91	7.0' RT	303+31.14	7.0' RT	135				135
0020	303+31.14	7.0' RT	304+50.00	7.0' RT	119				119
0020	304+39.57	7.0' RT	304+39.50	27.1' RT		20			20
0020	304+39.50	27.1' RT	304+39.44	47.2' RT		20			30
0020	304+39.50	27.1' RT	304+47.21	27.1' RT				8	8
0020	304+39.57	7.0' RT	304+51.42	7.0' RT	12				12
0020	304+51.42	7.0' RT	304+54.91	7.0' RT				4	4
0020	304+54.91	7.0' RT	304+62.37	14.6' RT				11	16
Project 1690	0-05-72 TOT <i>A</i>	\L			1625	40	16	319	2050

			(SPV.0060.06)	(SPV.0060.28)
			REMOVE & SALVAGE	FIRE HYDRANT
			EXISTING HYDRANT	EACH
CATEGORY	STATION	LOCATION	EACH	
0020	18+49.58	24.5' RT		1
0020	18+53.28	22.8' RT	1	
0020	20+85.00	24.4' RT		1
0020	25+33.45	35.8' RT		1
0020	25+38.67	31.6' RT	1	
0020	301+85.58	24.5' RT	1	
0020	301+95.90	24.2' RT		1
0020	304+47.13	28.6' RT	1	
0020	304+47.21	27.1' RT		1
Project 1690	5			

HWY:STH 69

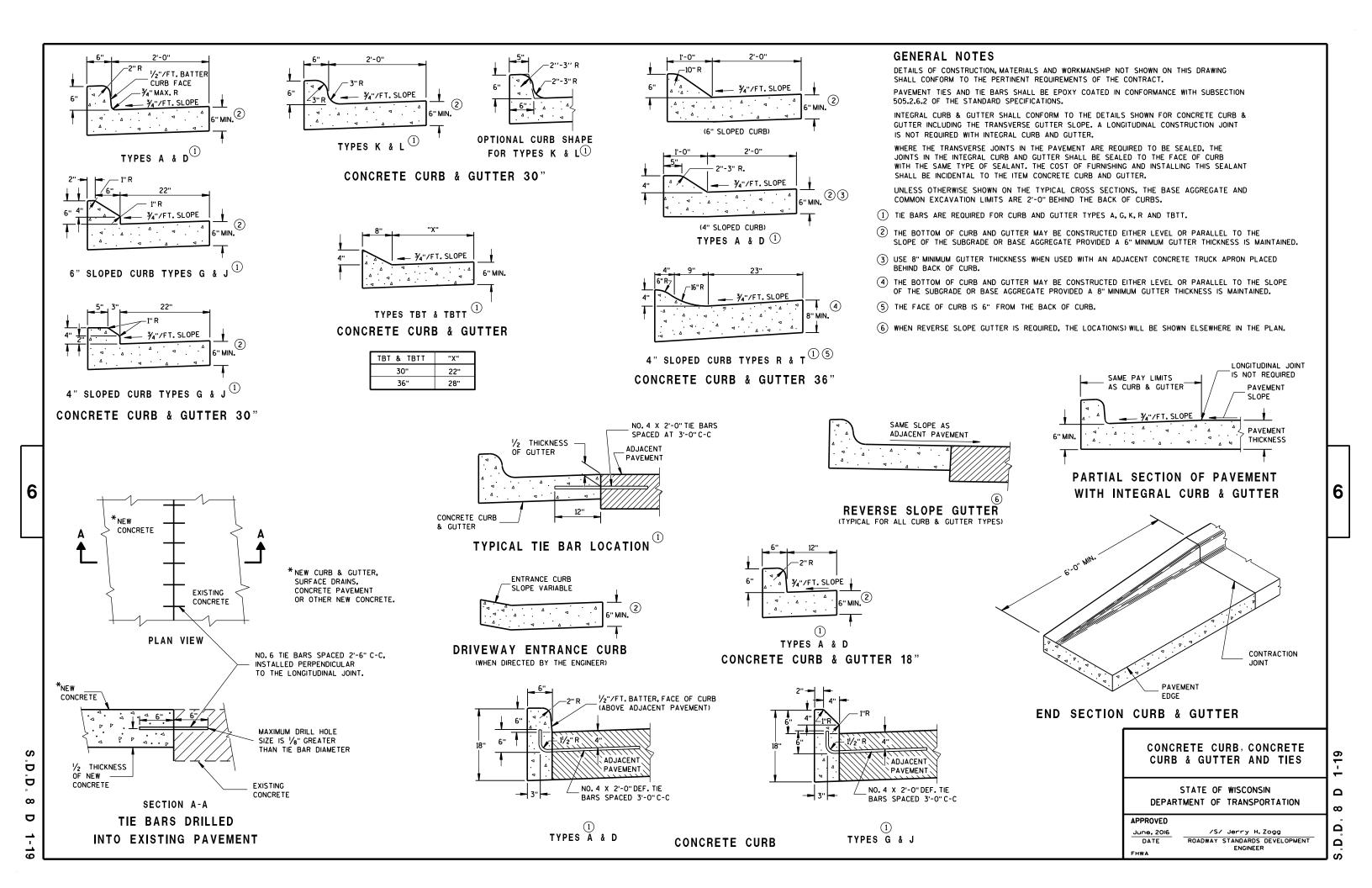
PROPOSED HYDRANTS

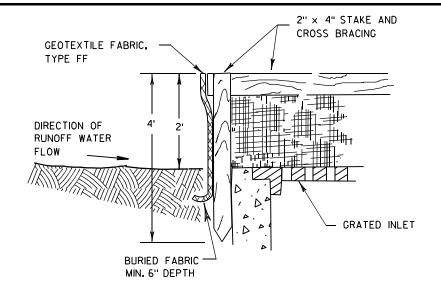
COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET **E**

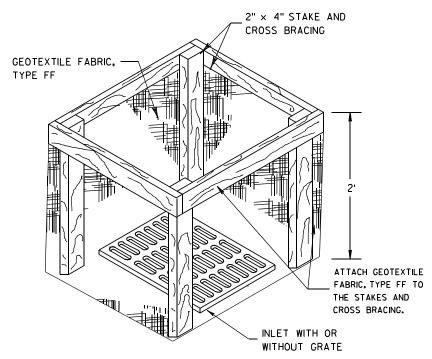
PROJECT NO:1690-05-72

Standard Detail Drawing List

08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D21-04	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE







INLET PROTECTION, TYPE A

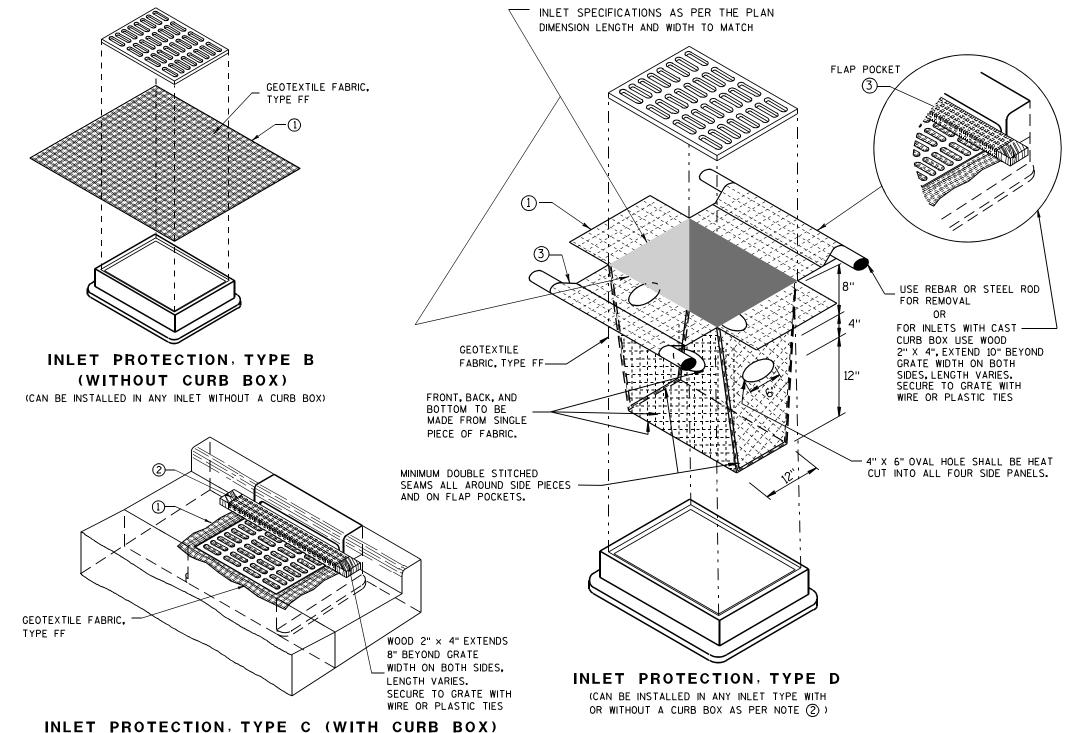
GENERAL NOTES

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

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

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

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



INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION TYPE A, B, C, AND D

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02 /S/ Beth Cannestra

CHIEF ROADWAY DEVELOPMENT ENGINEER

GENERAL NOTES

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

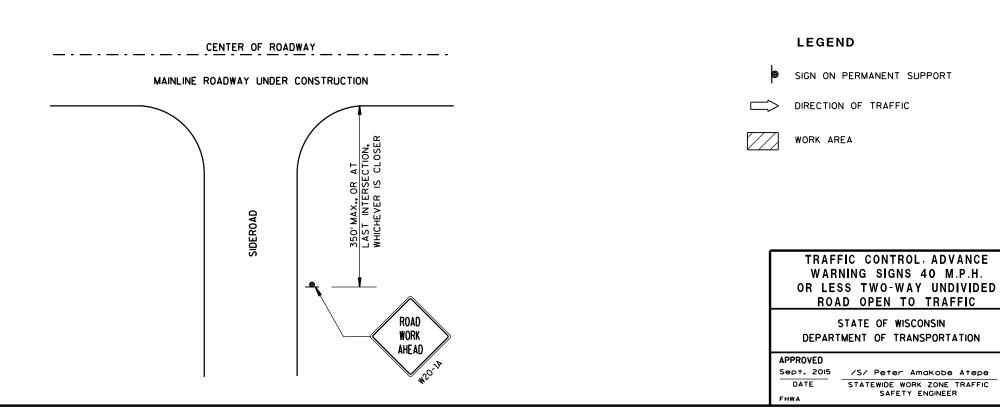
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

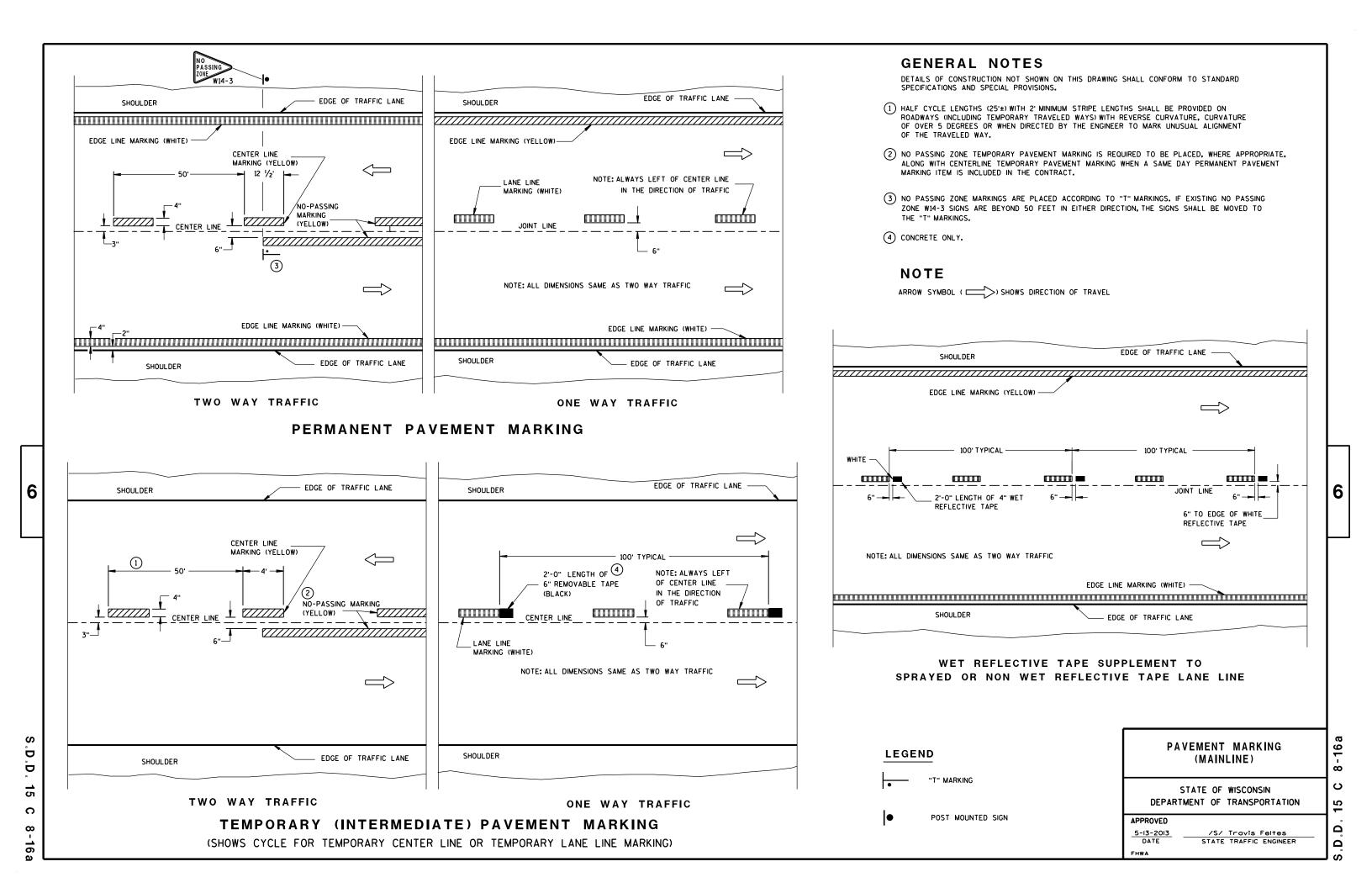
★ THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

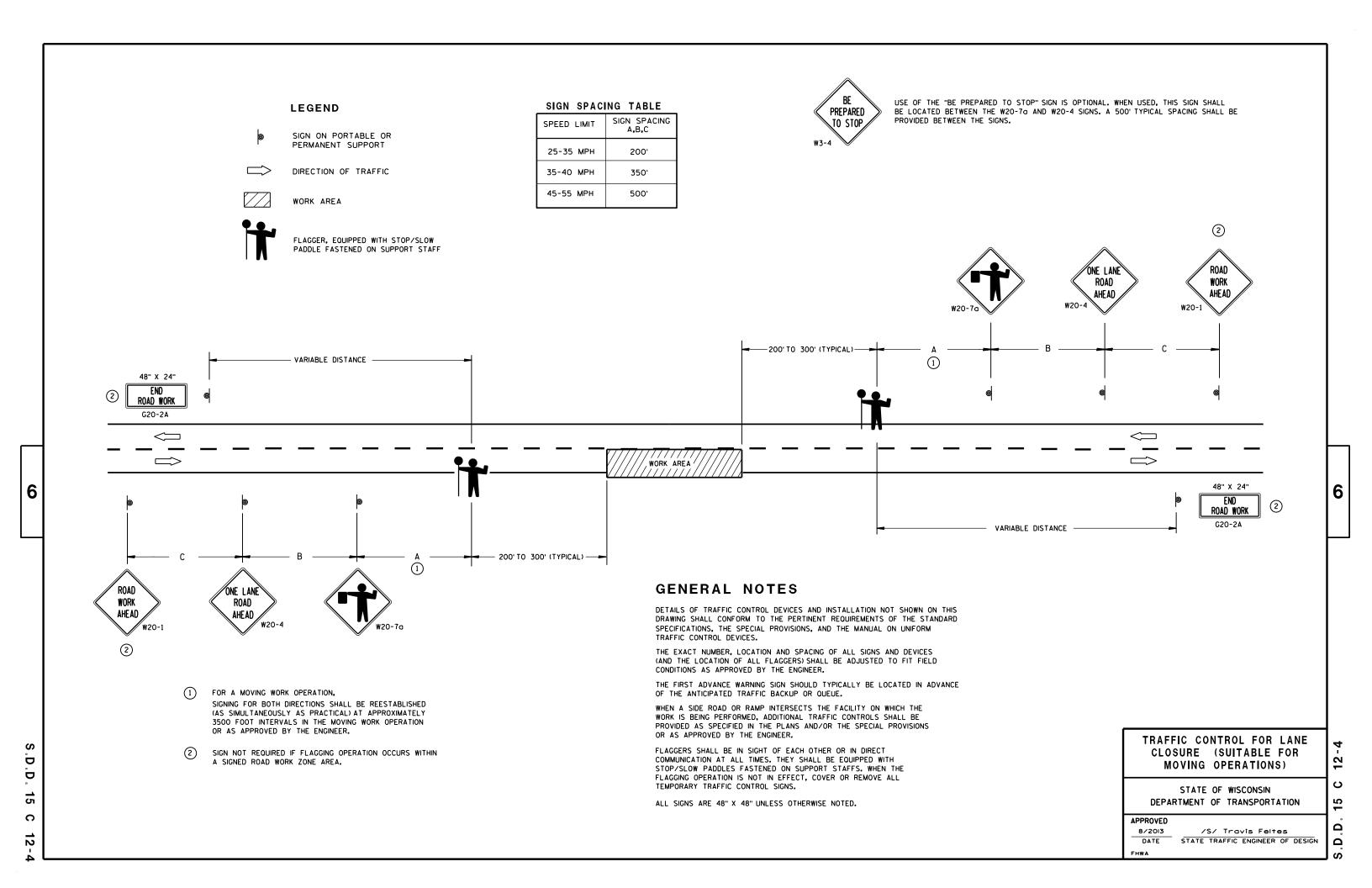


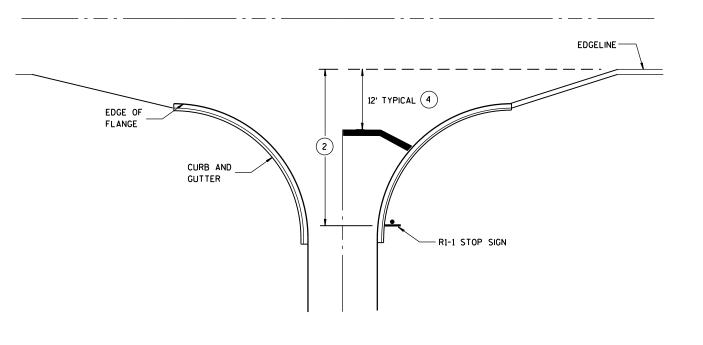
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8" CHANNELIZATION WHITE

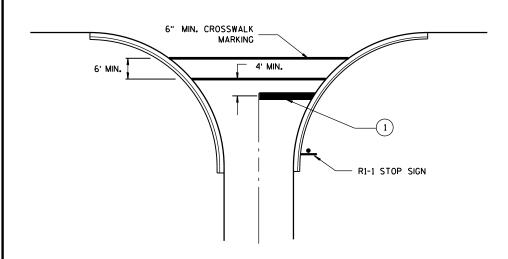
FLANGELINE (EXTENSION)

4" WHITE EDGELINE

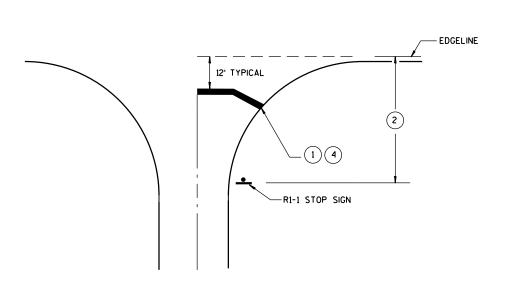
R1-1 STOP SIGN

TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- 3 IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
4-18-2016	/S/ Matthew R. Rauch
DATE	STATE SIGNING AND MARKING ENGINEER

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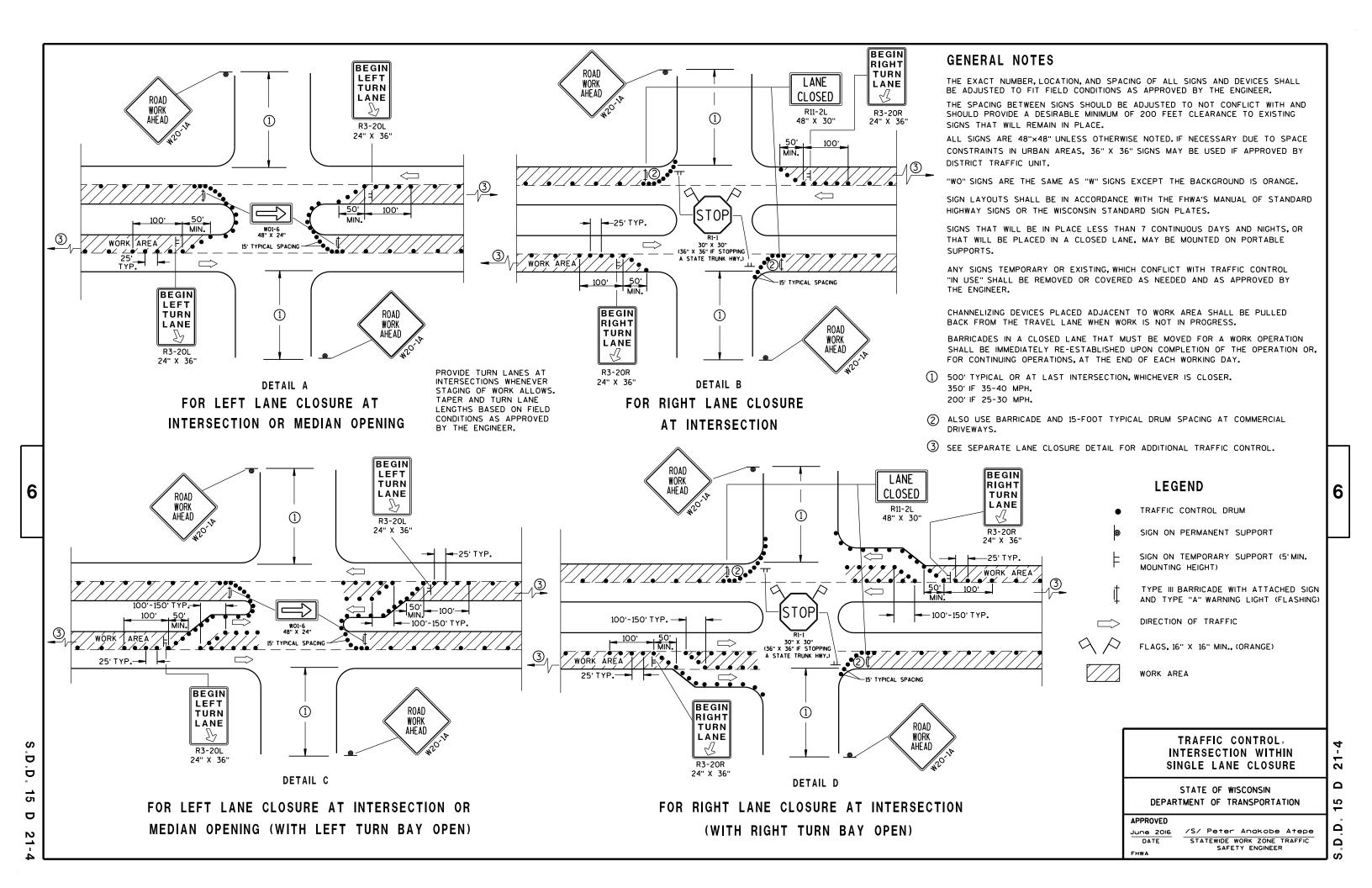
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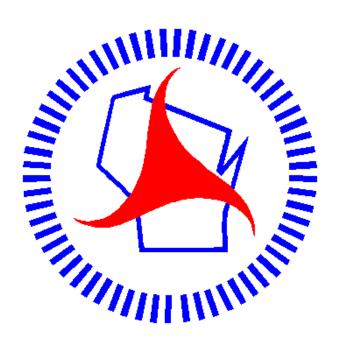
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GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION. SIGN ON PERMENENT SUPPORT IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION. THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. * X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS * THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 1500 FEET IN FRONT OF DRUMS. FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS. 6 6 WORK CLOSED CLOSED I MILE 1500 F XX м.Р.н 36"×36" IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' \Rightarrow \Rightarrow \Longrightarrow WORK AREA 50' TYP. L/2 500' MIN. - 800' DESIRABLE 575 L. TAPER 500 50 MPH - 600' 55 MPH - 660' 2600' 1600' 1000' 60 MPH - 720' TRAFFIC CONTROL, 9 65 MPH - 780' D 70 MPH - 840' LANE CLOSURE 5 DRUMS SPACED @ 10' INTERVALS AS 2 Ö NEEDED IN FRONT OF ARROW BOARD 15 Ω STATE OF WISCONSIN ADVANCED WARNING AREA TRANSITION AREA BUFFER SPACE DEPARTMENT OF TRANSPORTATION D **APPROVED** /S/ Peter Amakobe Atepe 2 March 2016 STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER Ω 6 FHWA



Notes



Wisconsin Department of Transportation

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http://www.dot.wisconsin.gov