

RHI

PROJECT ID: 6620-01-60
WITH: NA

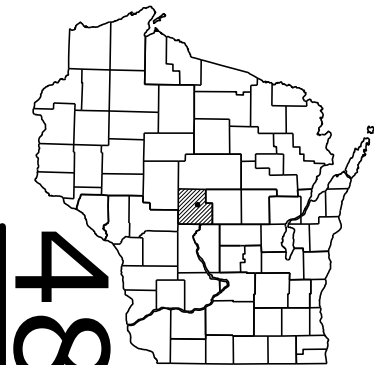
COUNTY: WOOD

MARCH 2019

ORDER OF SHEETS

Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plot
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

TOTAL SHEETS = 20



DESIGN DESIGNATION

A.A.D.T.	B-71-130
A.A.D.T.	VESPER
A.A.D.T.	2100
D.H.V.	N/A
D.D.	N/A
T.	N/A
DESIGN SPEED	N/A
ESALS	N/A

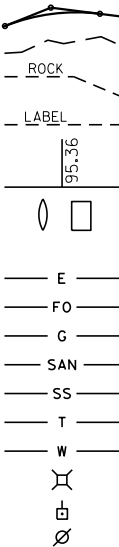
CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS	
PROPERTY LINE	
LOT 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	
MARSH AREA	
WOODED OR SHRUB AREA	

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	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	



TOTAL NET LENGTH OF CENTERLINE = 0.0 MILES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY REHABILITATION-MAINTENANCE PROJECT

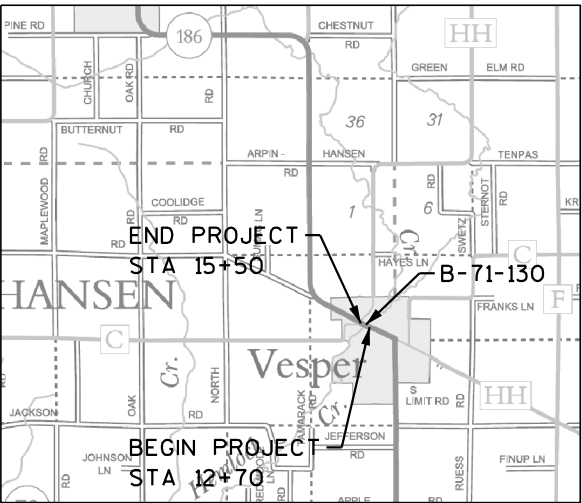
STH 13 - AUBURNDALE

HEMLOCK CREEK BRIDGE B-71-0130

STH 186

WOOD COUNTY

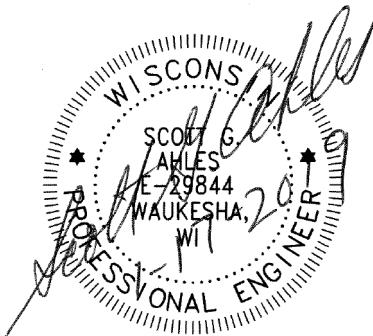
STATE PROJECT NUMBER
6620-01-60



STH 186, HEMLOCK CREEK, WOOD CO

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6620-01-60	WISC 2019189	1

ORIGINAL PLAN PREPARED BY:
BAXTER & WOODMAN
Consulting Engineers



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	N/A
Designer	BAXTER & WOODMAN, INC
Project Manager	JIM VOLKMANN
Regional Examiner	CHERYL SIMON
Regional Supervisor	JED PETERS
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 1/22/2019
(Signature)

E

GENERAL NOTES

THE LOCATIONS OF EXISTING UTILITY FACILITIES WERE NOT SURVEYED AND ARE NOT SHOWN ON THE PLANS.

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

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATIONS OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

DIGGERS

HOTLINE

Dial  or (800)242-8511

www.DiggersHotline.com

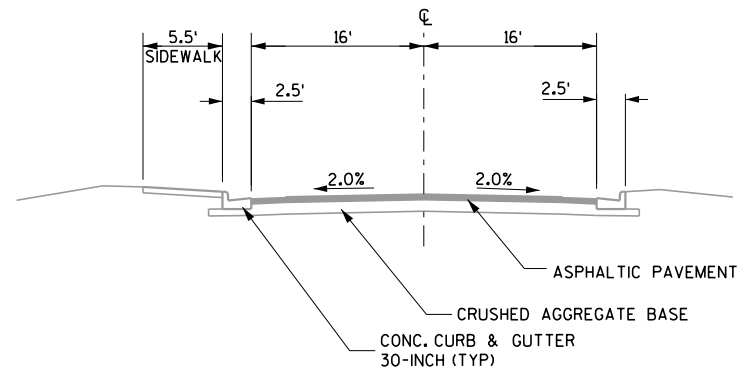
UTILITY CONTACTS

B-71-0130 VILLAGE OF VESPER

VILLAGE OF VESPER WESTLEY FROEBA PUBLIC WORKS DIRECTOR 6363 HEMLOCK ST, PO BOX 127 VESPER, WI 54489 PHONE: (715) 569-4294 VESPERWW@GMAIL.COM	WE ENERGIES - GAS RYAN MIENTKE 1921 8TH STREET SOUTH WISCONSIN RAPIDS, WI 54494 PHONE: (715) 421-7249 RYAN.MIENTKE@WE-ENERGIES.COM
ALLIANT ENERGY - ELECTRICITY TRUDIBAKKEN 2710 JEFFERSON STREET WISCONSIN RAPIDS, WI 54495 PHONE: (715) 424-7048 MOBILE: (715) 460-4121 TRUDIBAKKEN@ALLIANTENERGY.COM	TDS TELECOM STEVE JAKUBIEC 10 COLLEGE AVE, SUITE 218A APPLETON, WI 54911 PHONE: (920) 882-4166 MOBILE: (920) 562-7221 STEVE.JAKUBIEC@TDS TELECOM.COM






DNR LIASON

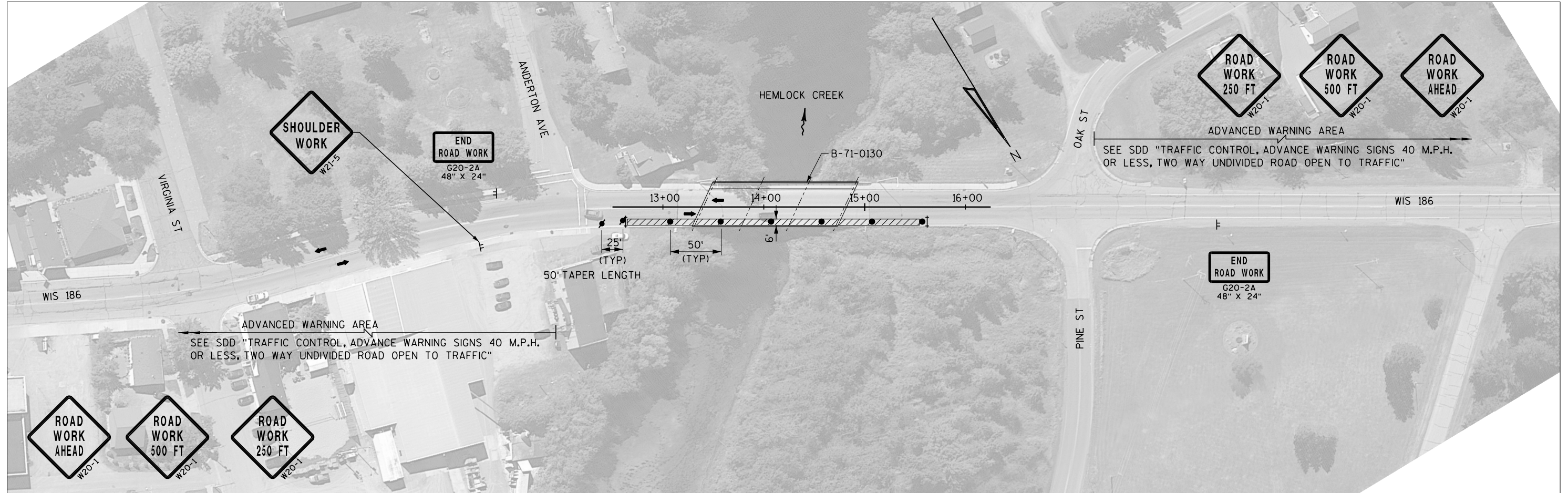
WOOD COUNTY
BRAD BETTHAUSER
BRADLEY.BETTHAUSER@WISCONSIN.GOV
DNR WISCONSIN RAPIDS SERVICE CENTER
473 GRIFFITH DRIVE
WISCONSIN RAPIDS, WI 54494
(715) 421-7867



TYPICAL EXISTING SECTION - STH 186

LEGEND

-  WORK ZONE
 TRAFFIC CONTROL DRUMS
 WITH / WITHOUT LIGHT TYPE C
 TYPE III BARRICADE W/ WO SIGN
 SIGN TEMPORARY SUPPORT
 DIRECTION OF TRAFFIC



TRAFFIC CONTROL PLAN

NOTES

- SEE SDD DRAWINGS FOR DETAILS NOT SHOWN THIS SHEET.
- MAINTAIN 12 FT LANE WIDTH MIN.
- THE EXACT NUMBER LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.
- ALL "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- WESTBOUND SHOULDER CLOSURE SHOWN THIS DRAWING. EASTBOUND SHOULDER CLOSURE (IF USED) IS SIMILAR.
- THIS SHOULDER CLOSURE PLAN IS FOR CONTRACTOR CONVENIENCE AS MAY BE DESIRED FOR EQUIPMENT AND MATERIAL ACCESS TO THE CREEK. THIS SHOULDER CLOSURE IS NOT REQUIRED AS PART OF THIS PROJECT.

PROJECT NO: 6620-01-60

HWY: REGIONWIDE BRIDGE MAINTENANCE

COUNTY: WOOD

TRAFFIC CONTROL B-71-0130

SHEET NO:

E

Estimate Of Quantities

6620-01-60					
Line	Item	Item Description	Unit	Total	Qty
0002	206.1000	Excavation for Structures Bridges (structure) 01. B-71-0130	LS	1.000	1.000
0004	213.0100	Finishing Roadway (project) 01. 6620-01-60	EACH	1.000	1.000
0006	509.1500	Concrete Surface Repair	SF	80.000	80.000
0008	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6620-01-60	EACH	1.000	1.000
0010	619.1000	Mobilization	EACH	1.000	1.000
0012	627.0200	Mulching	SY	110.000	110.000
0014	628.1104	Erosion Bales	EACH	50.000	50.000
0016	628.1550	Silt Screen	LF	110.000	110.000
0018	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0020	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0022	629.0210	Fertilizer Type B	CWT	0.070	0.070
0024	630.0140	Seeding Mixture No. 40	LB	2.000	2.000
0026	642.5201	Field Office Type C	EACH	1.000	1.000
0028	643.0300	Traffic Control Drums	DAY	80.000	80.000
0030	643.0420	Traffic Control Barricades Type III	DAY	20.000	20.000
0032	643.0705	Traffic Control Warning Lights Type A	DAY	30.000	30.000
0034	643.0715	Traffic Control Warning Lights Type C	DAY	20.000	20.000
0036	643.0900	Traffic Control Signs	DAY	90.000	90.000
0038	643.5000	Traffic Control	EACH	1.000	1.000
0040	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	150.000	150.000
0042	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000
0044	SPV.0165	Special 01. Underwater Concrete Surface Repair	SF	280.000	280.000

LANDSCAPING ITEMS

		627.0200	629.0210	630.0140
		MULCHING	FERTILIZER TYPE B	SEEDING MIXTURE NO. 40
CATEGORY	LOCATION	SY	CWT	LB
0010	B-71-130	110	0.07	2
6620-01-60 TOTAL		110	0.07	2

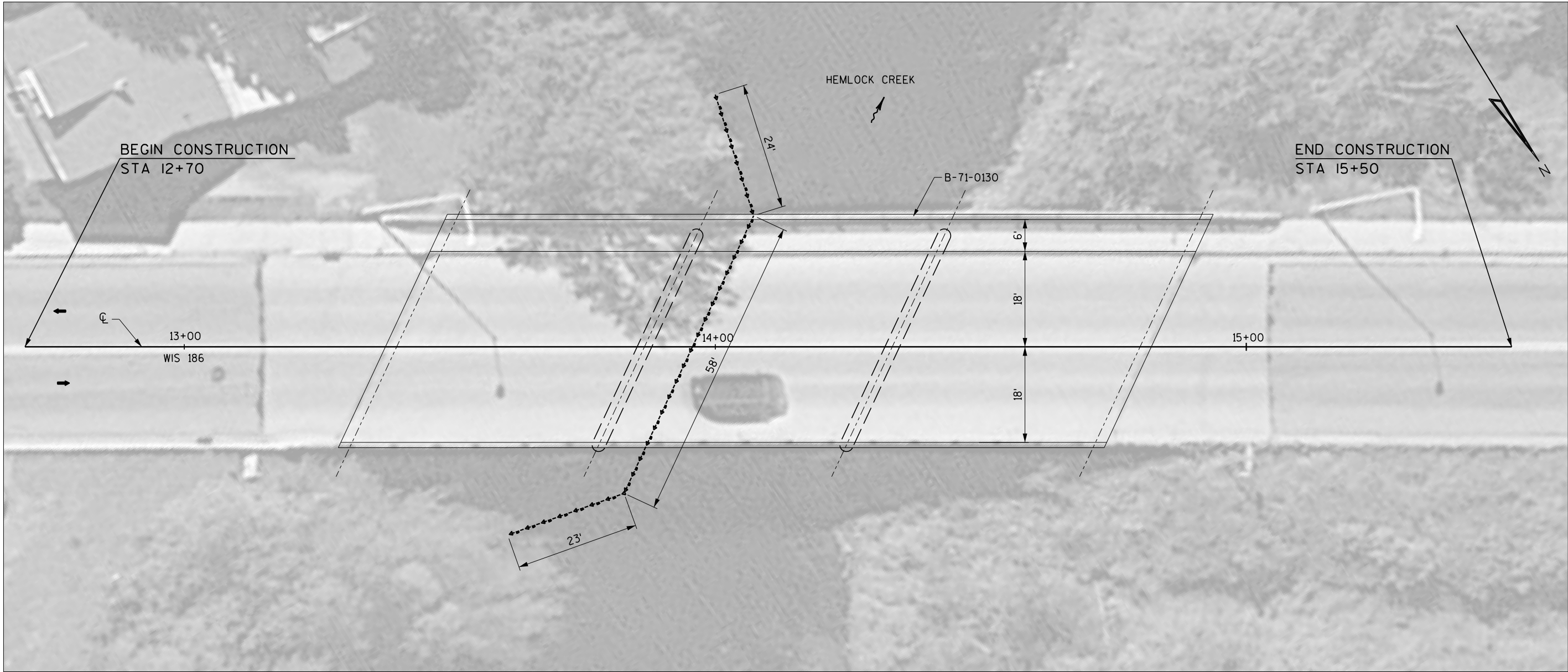
TRAFFIC CONTROL

		643.0300	643.0420	643.0705	643.0715	643.0900	643.5000
		TRAFFIC CONTROL DRUMS	TRAFFIC CONTROL BARRICADES TYPE III	TRAFFIC CONTROL WARNING LIGHTS TYPE A	TRAFFIC CONTROL WARNING LIGHTS TYPE C	TRAFFIC CONTROL SIGNS	TRAFFIC CONTROL
CATEGORY	LOCATION	DAY	DAY	DAY	DAY	DAY	EACH
0010	B-71-130	80	20	30	20	90	1
6620-01-60 TOTAL		80	20	30	20	90	1

EROSION CONTROL ITEMS

		628.1104	628.1550	628.1905	628.1910
		EROSION BALES	SILT SCREEN	MOBILIZATION EROSION CONTROL	MOBILIZATIONS EMERGENCY EROSION CONTROL
CATEGORY	LOCATION	EACH	LF	EACH	EACH
0010	B-71-130	50	110	1	1
6620-01-60 TOTAL		50	110	1	1

5



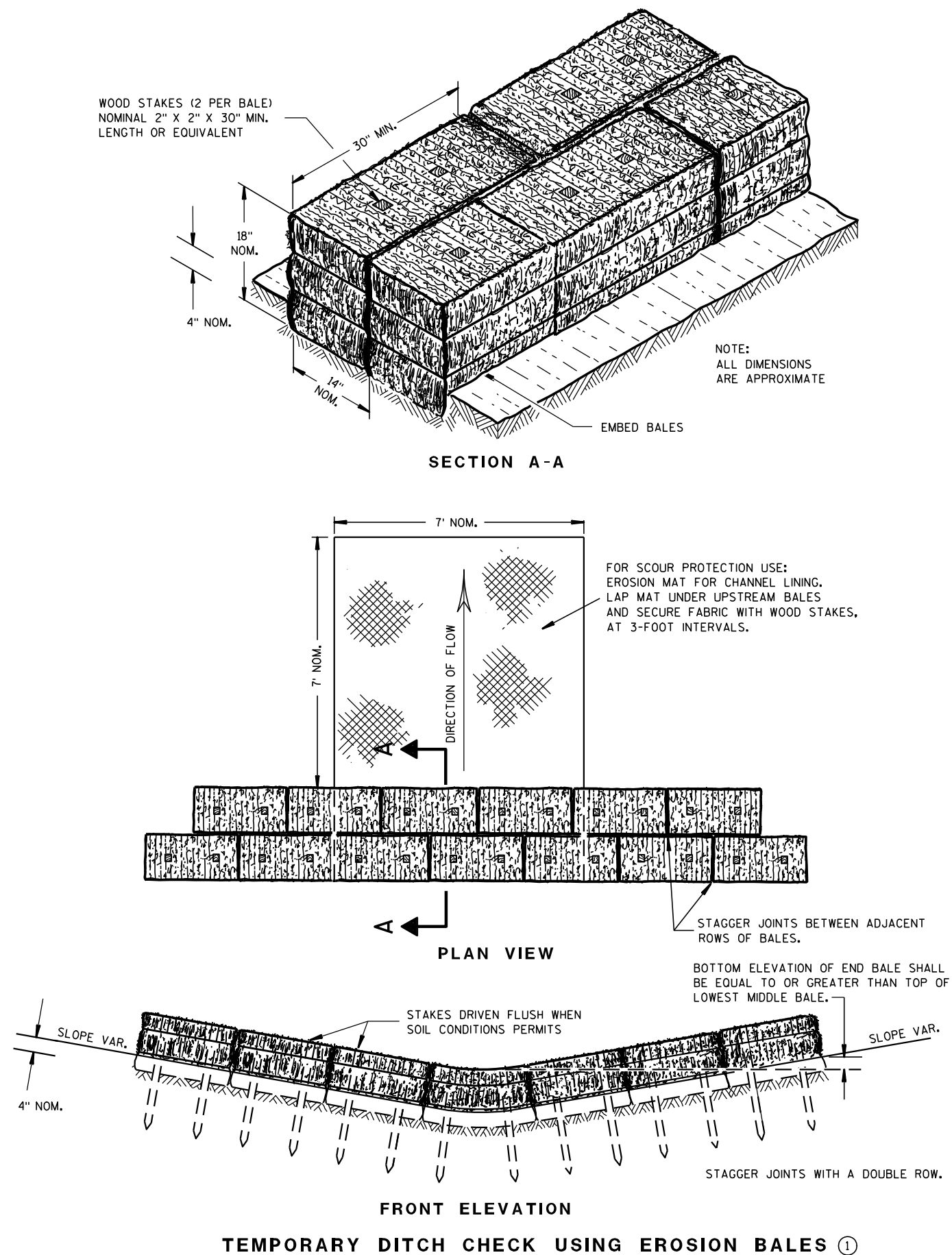
LEGEND

←---←---← SILT SCREEN

5

Standard Detail Drawing List

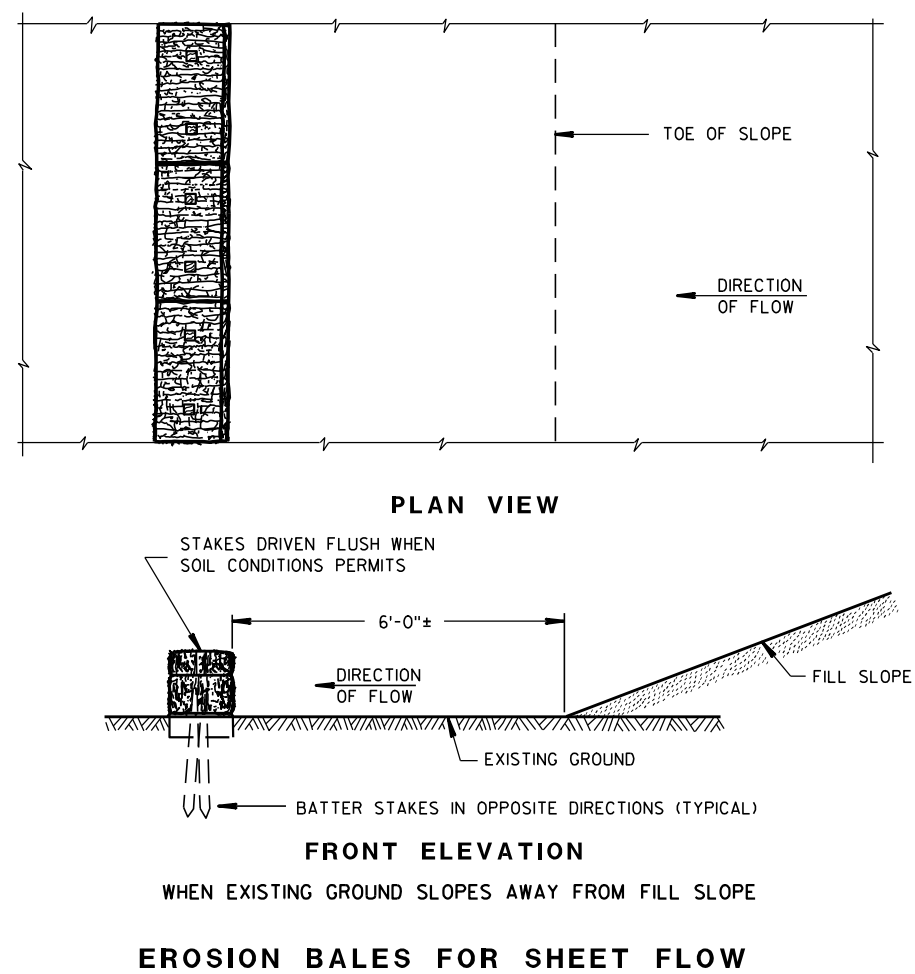
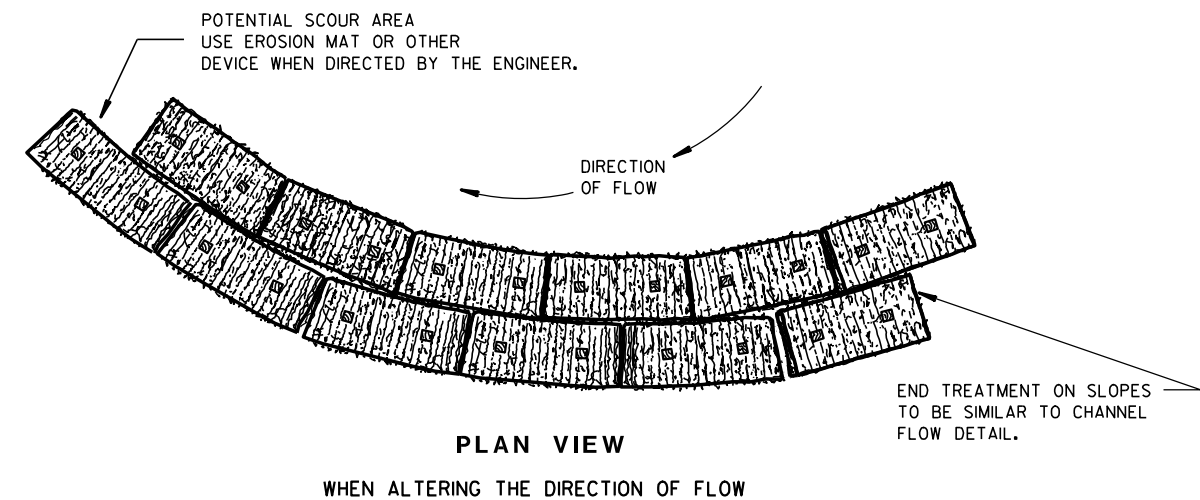
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E12-01	SILT SCREEN
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



GENERAL NOTES

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

- ① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

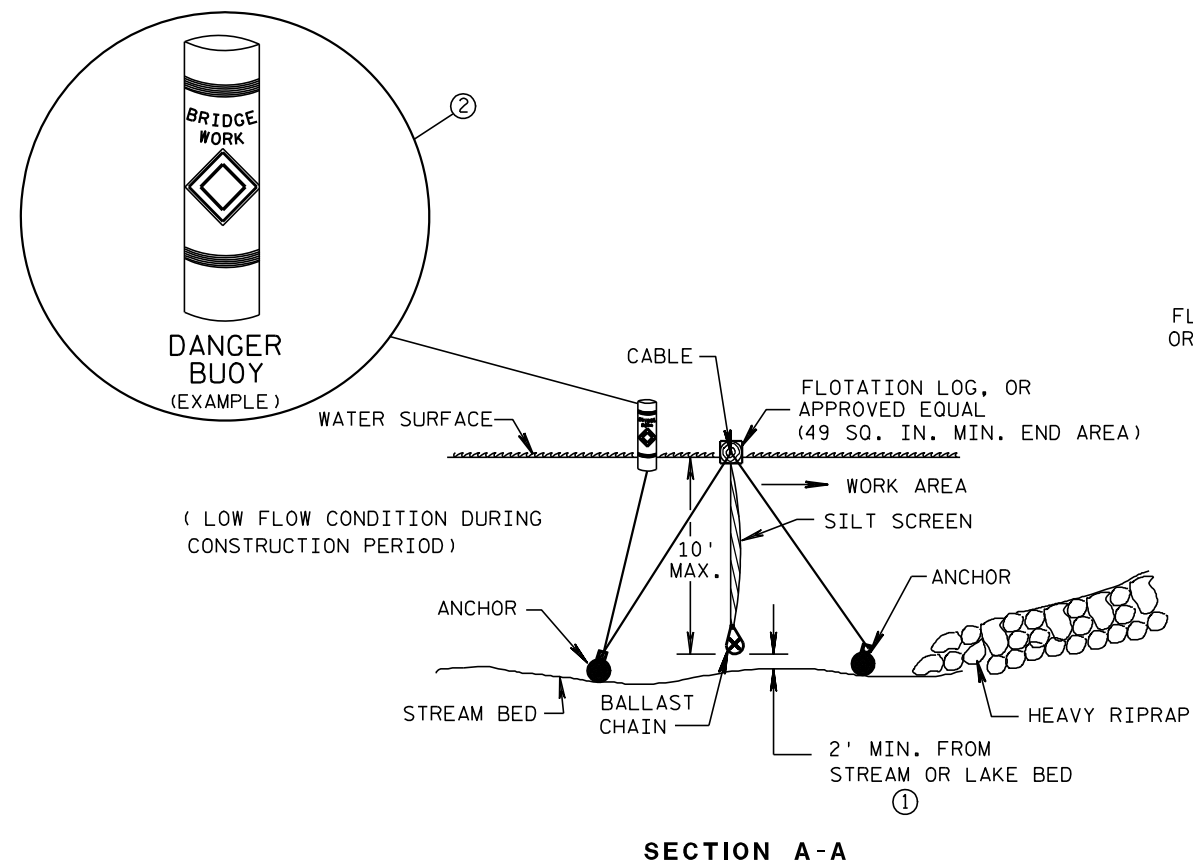
TYPICAL INSTALLATIONS OF
EROSION BALES / TEMPORARY
DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

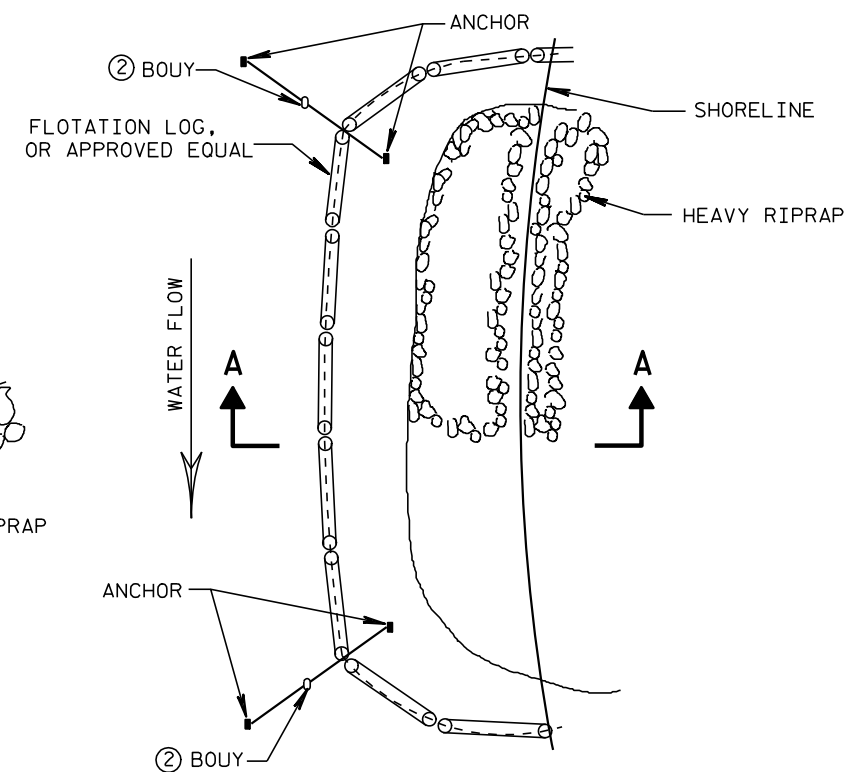
APPROVED

6/04/02
DATE/S/ Beth Canestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA



SILT SCREEN PLACEMENT DETAIL



GENERAL NOTES

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

- ① 2' MINIMUM SHALL BE MAINTAINED DURING CONSTRUCTION PERIOD.
- ② USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.

SILT SCREEN

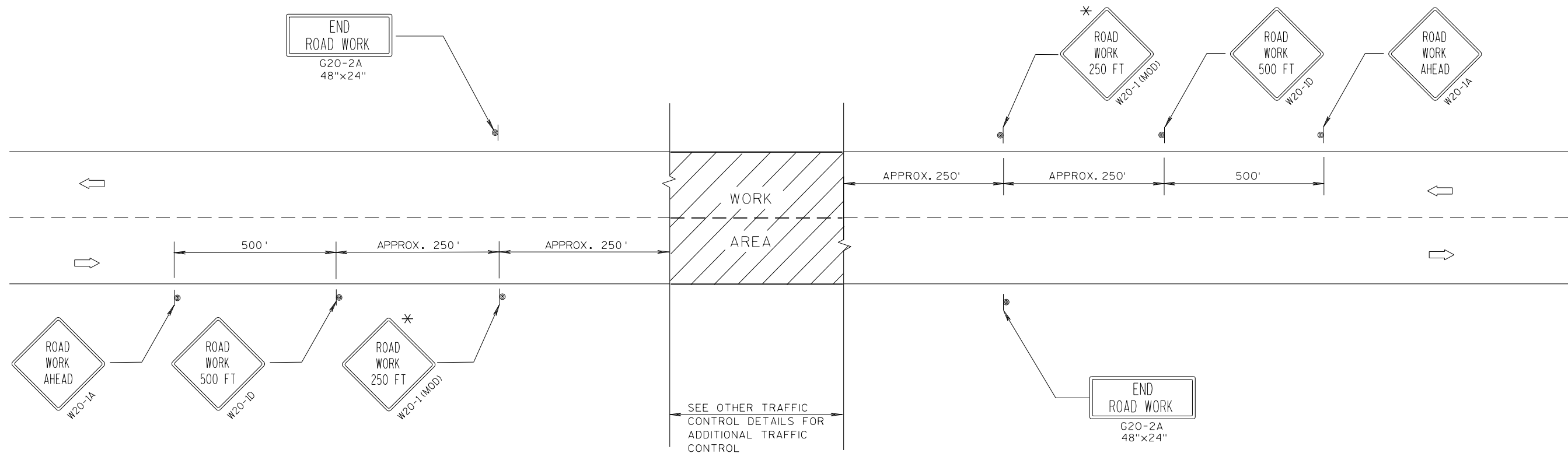
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02
DATE

/S/ Beth Canestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

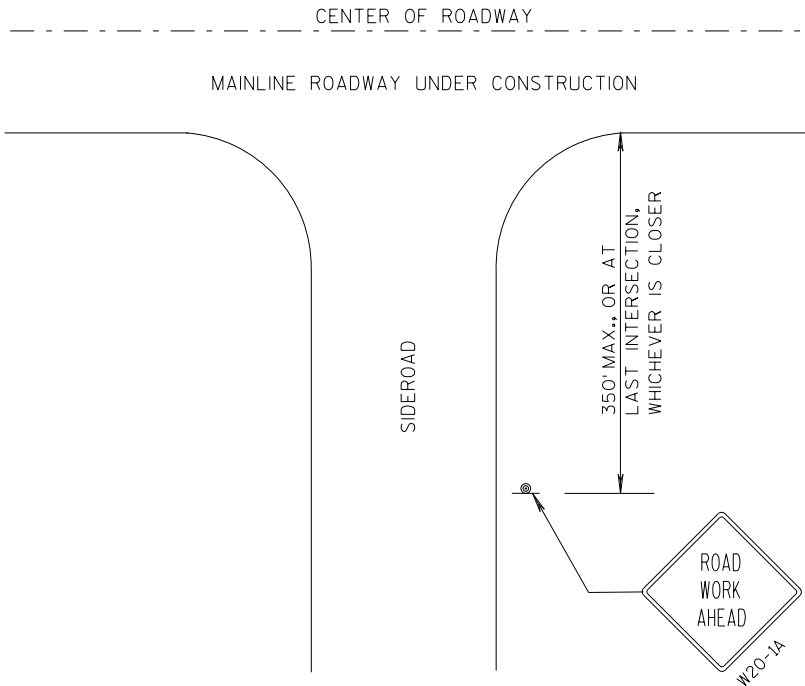
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

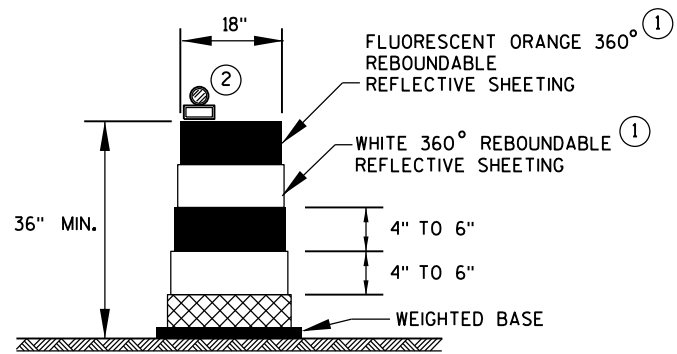
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



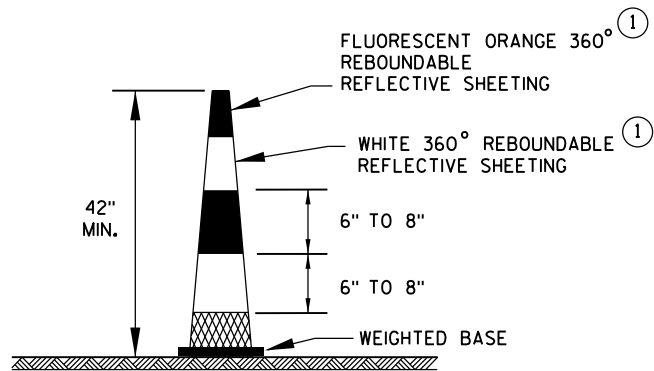
LEGEND

- ⊙ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA

TRAFFIC CONTROL. ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7/2018 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	



DRUM

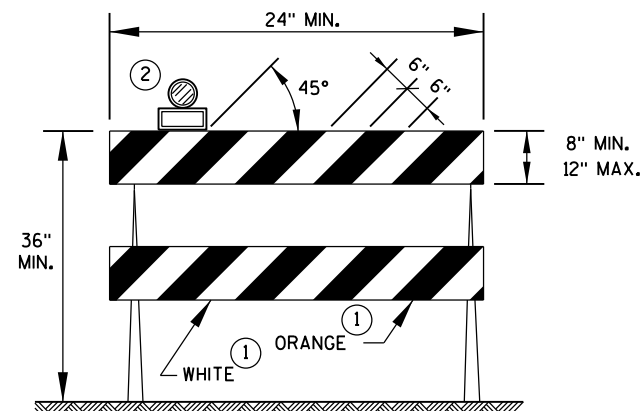


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

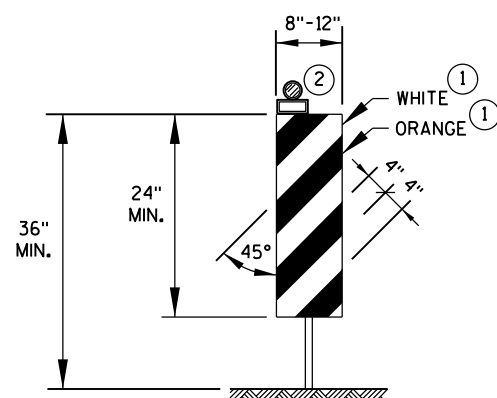
GENERAL NOTES

- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- ② LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



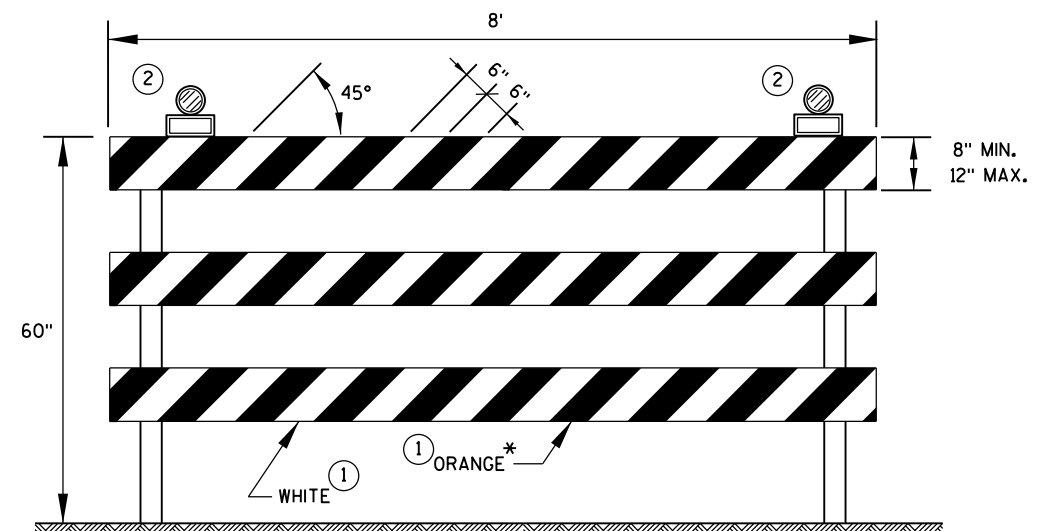
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.
ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

FHWA

/S/ Andrew Heidtke
WORK ZONE ENGINEER

GENERAL NOTES

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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

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.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S	W	4	6	8	
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

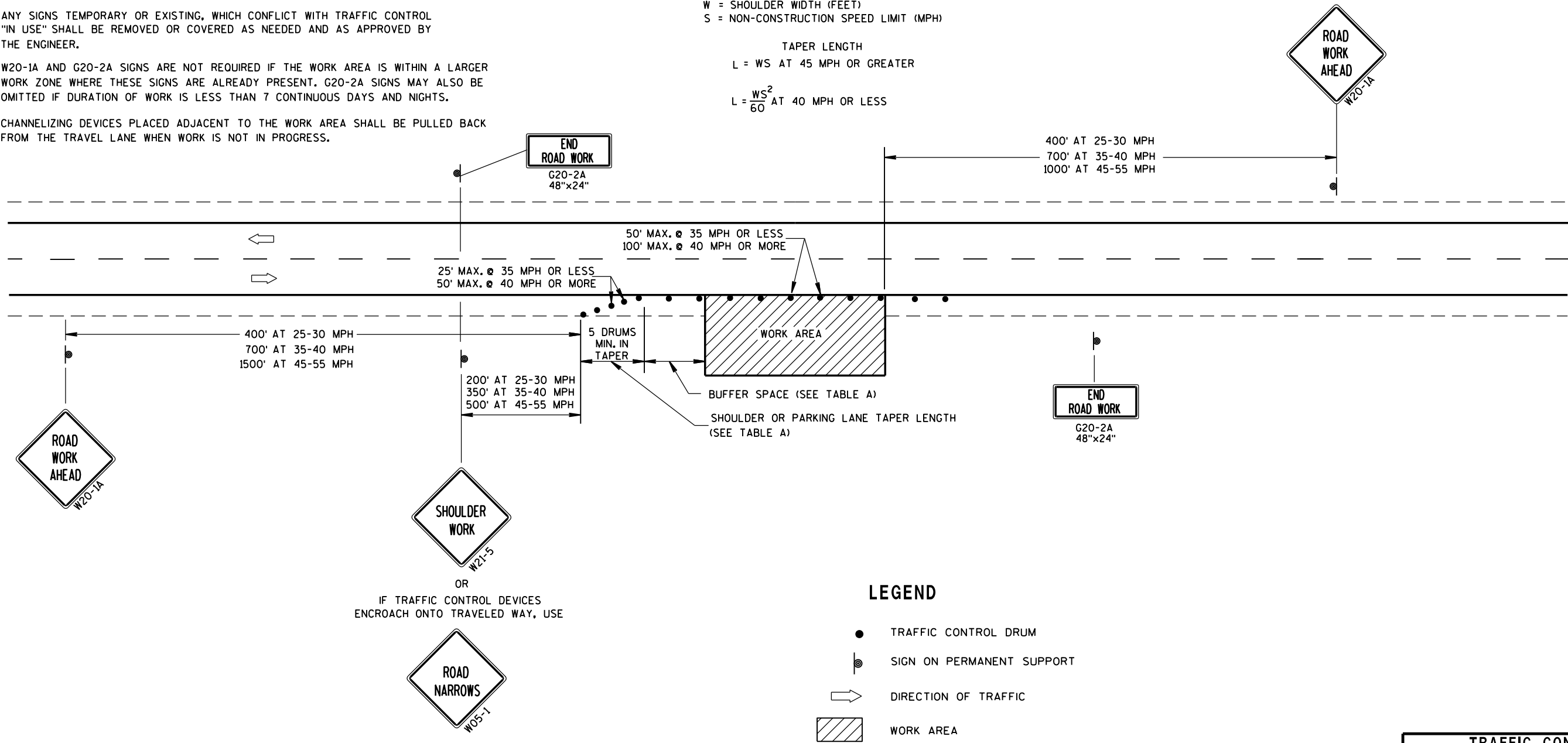
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA

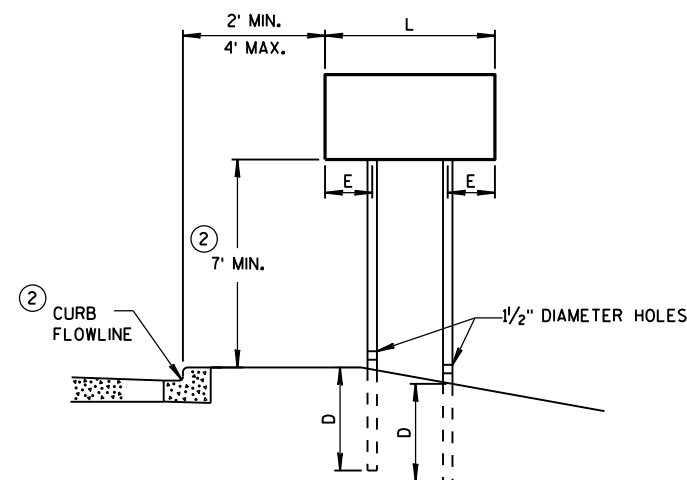
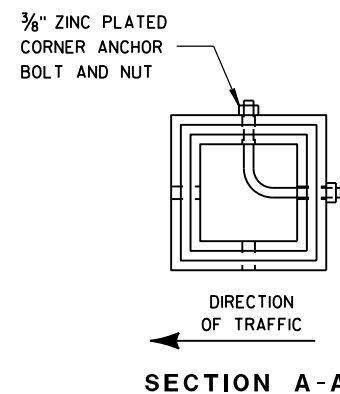
TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED July 14, 2015 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	



TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS LARGER THAN 27 SQ.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

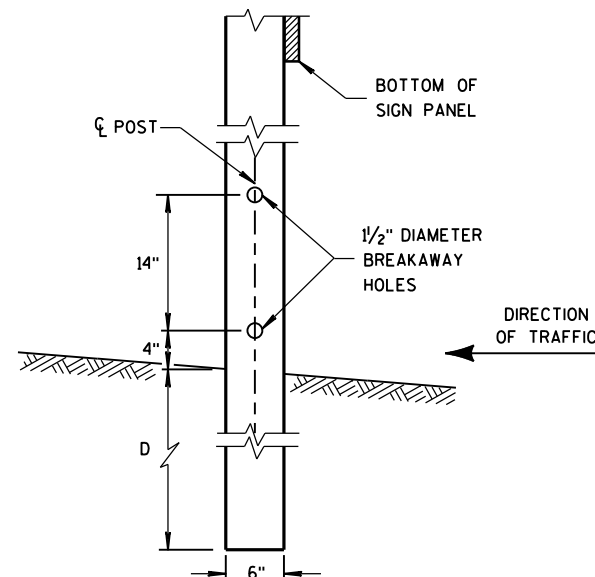


URBAN AREA

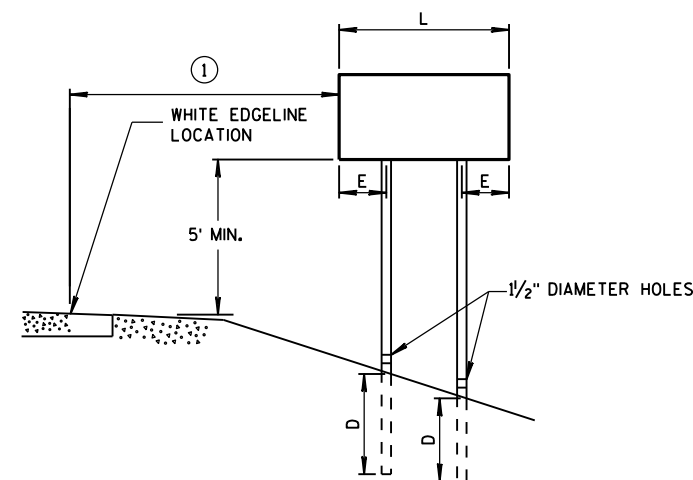
POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST
EMBEDMENT DEPTH

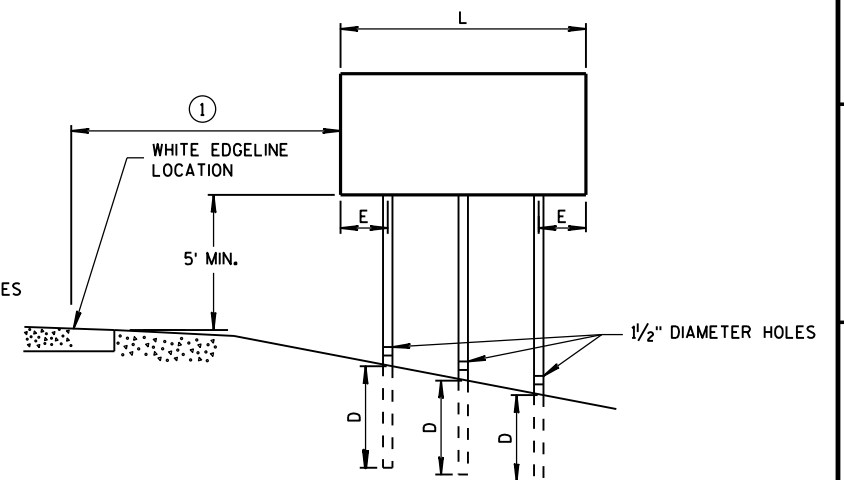
AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'



4"x6" WOOD POST MODIFICATION



RURAL AREA



GENERAL NOTES

- ① 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.
- ② 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. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
- ③ FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.

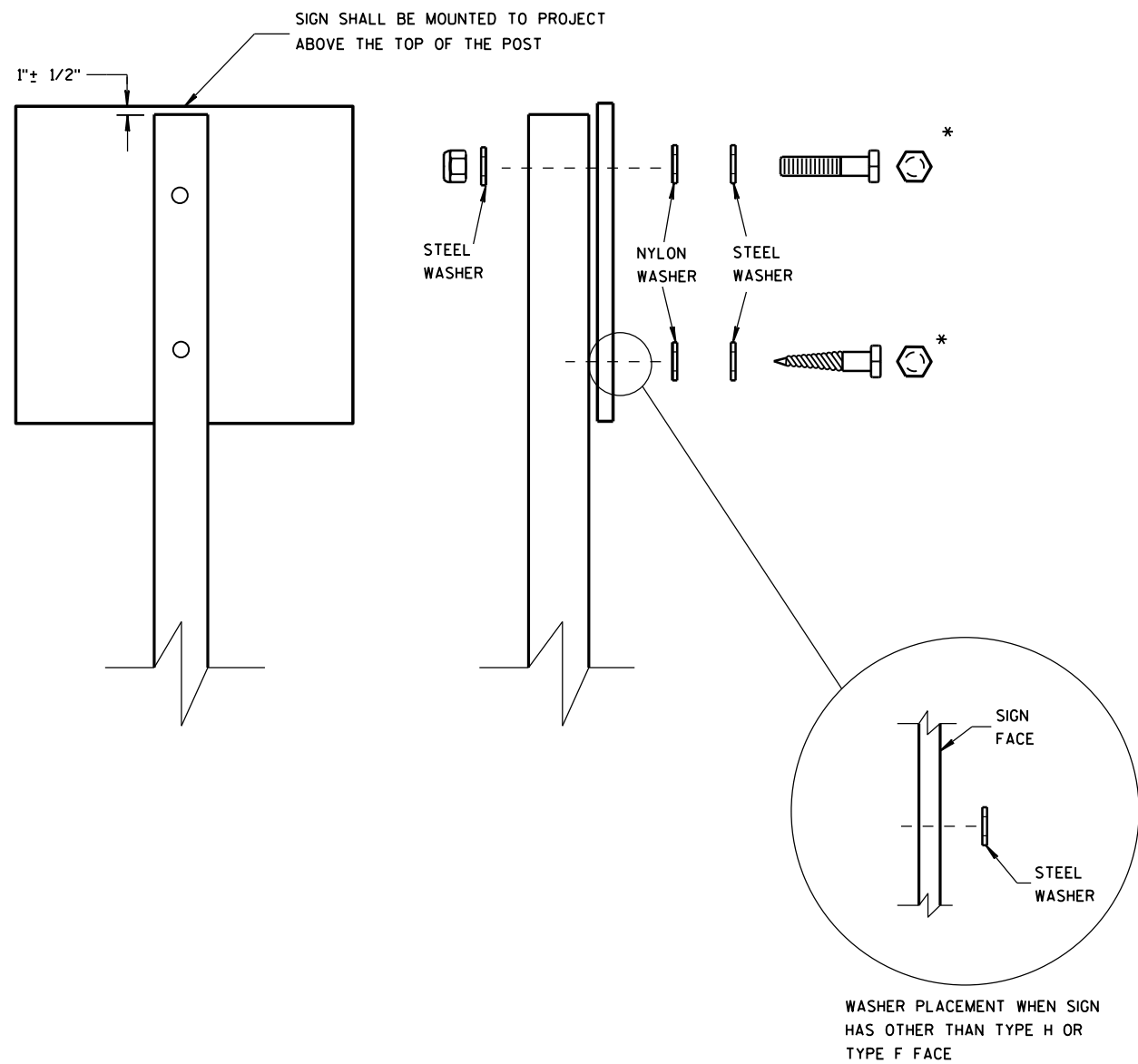
4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

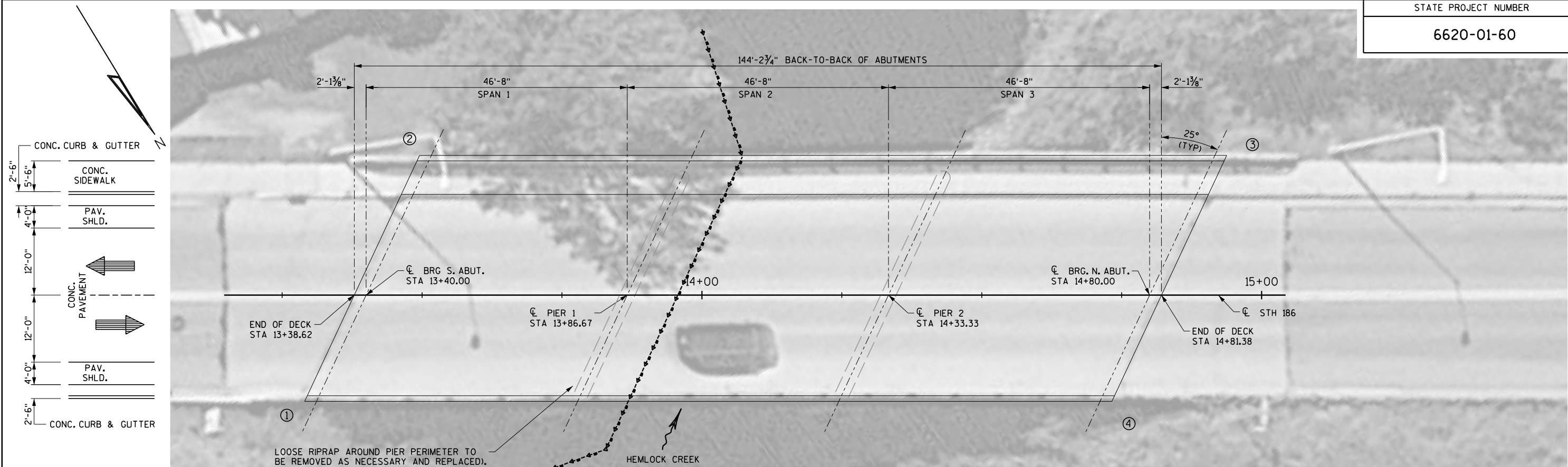
- WOOD POSTS (4" x 4" or 4" x 6")
- LAG SCREWS - 3/8" x 3"
 - MACHINE BOLTS - 5/16" x 6-1/2" OR 7" LENGTH W/ NUTS

- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - 3/8" x 3-1/4" LENGTH W/ NUTS
 - RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

- WASHERS (ALL POSTS) -
- 1-1/4" O.D. x 3/8" I.D. x 1/16" STEEL
 - 1-1/4" O.D. x 3/8" I.D. x .080 NYLON FOR ALL TYPE H SIGNS

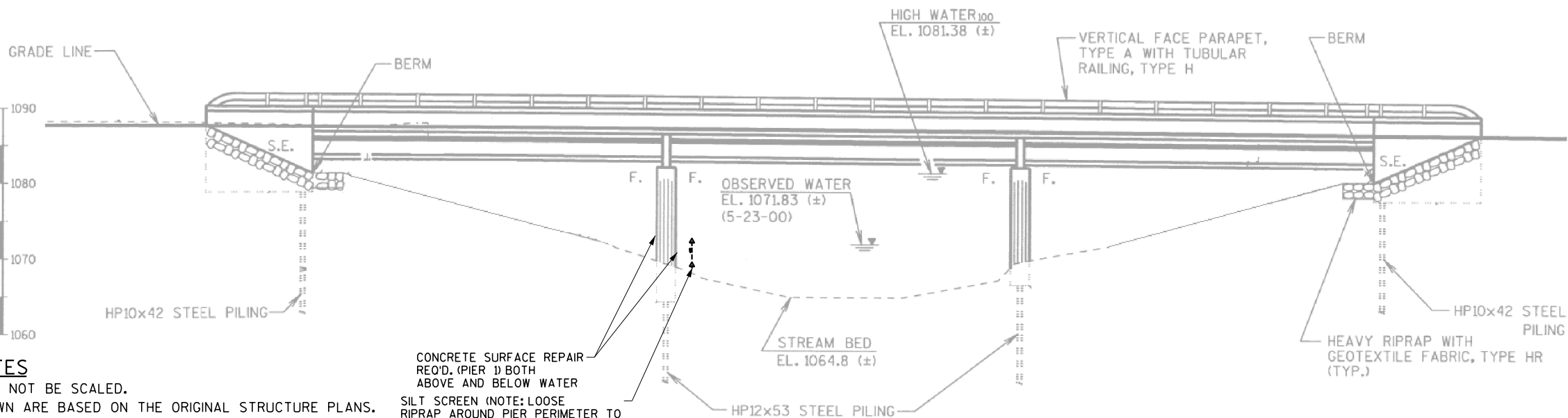
* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

ATTACHMENT OF SIGNS TO POSTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Andrew Heldtke WORK ZONE ENGINEER
FHWA	



PLAN

3 SPAN - 28\"/>



ELEVATION

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.
SEE TRAFFIC CONTROL PLANS FOR STAGING AND WORK ZONE

DESIGN DATA

MATERIAL PROPERTIES:

CONCRETE MASONRY SUPERSTRUCTURE $f'_c = 4,000$ PSI
ALL OTHER $f'_c = 3,500$ PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 $f_y = 60,000$ PSI

TRAFFIC DATA

A.A.D.T.=2,100 (2014)
A.A.D.T.=6,500 (2023)
R.D.S.=25 MPH

LIVE LOAD

DESIGN LOAD RATING: HS20
INVENTORY LOAD RATING: HS18 (TAKEN FROM HSI, 6-19-13)
OPERATING LOAD RATING: HS34 (TAKEN FROM HSI, 6-19-13)
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) - 180 KIPS (TAKEN FROM HSI, 6-19-13)

LIST OF DRAWINGS

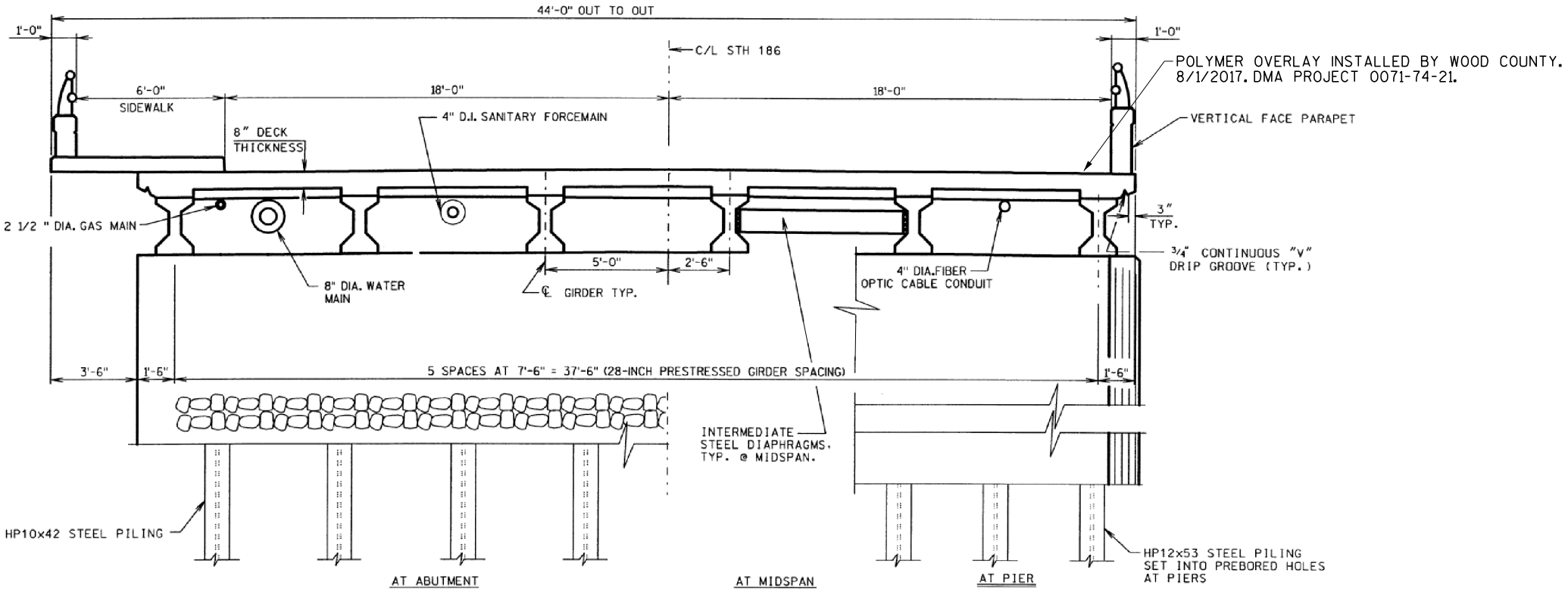
1. GENERAL PLAN
2. CROSS SECTION & QAUNTITIES
3. PIER 1 DETAILS
4. PIER 1 PHOTO DETAILS

BRIDGE OFFICE CONTACT:
WILLIAM DREHER
(608) 266-8489

CONSULTANT CONTACT
DANIEL DURIG
(608) 241-5481



NO.	DATE	REVISION	BY
BAXTER & WOODMAN 2005 W. Beltline Hwy Ste 201 Consulting Engineers Madison, WI 53713			
ACCEPTED	<i>William C. Dreher</i> SDR		12/05/18
CHIEF STRUCTURES DESIGN ENGINEER			DATE
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-71-130			
STH 186 OVER HEMLOCK CREEK			
COUNTY	WOOD	TOWN/CITY/VILLAGE	VESPER
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	DCD	DESIGN CK'D. BRB	DRAWN BY DCD PLANS CK'D. BAB
GENERAL PLAN			SHEET 1 OF 4

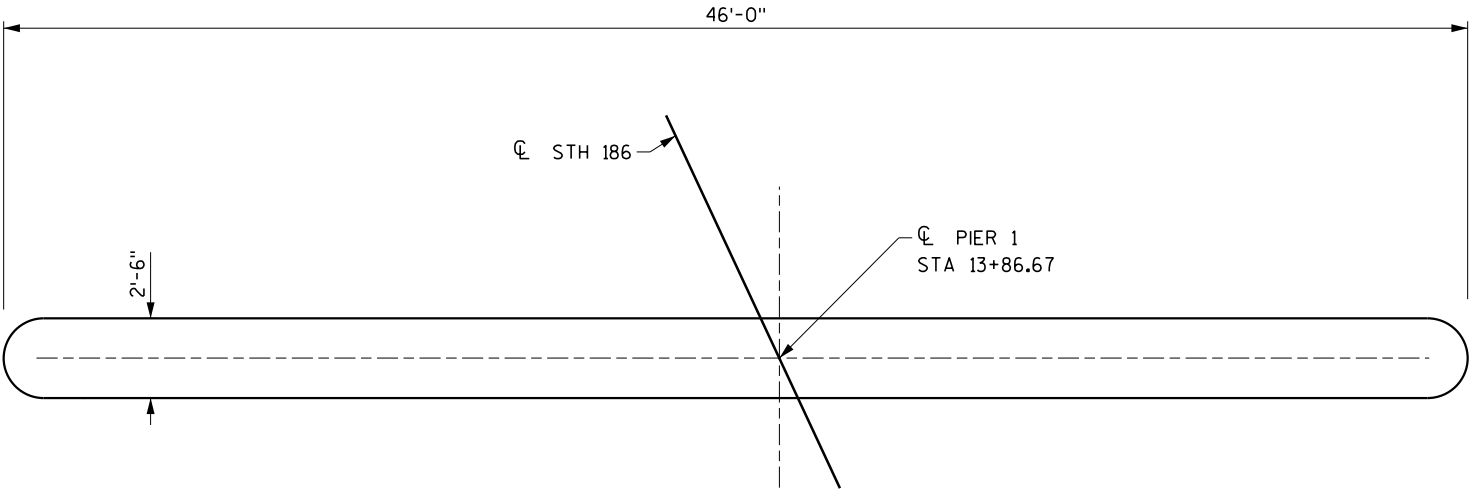
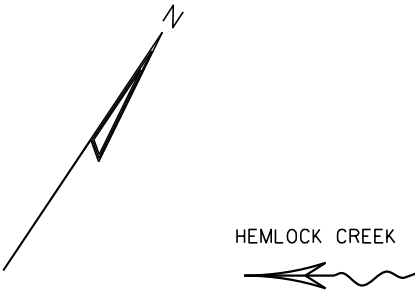


CROSS SECTION THRU EXISTING BRIDGE
(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

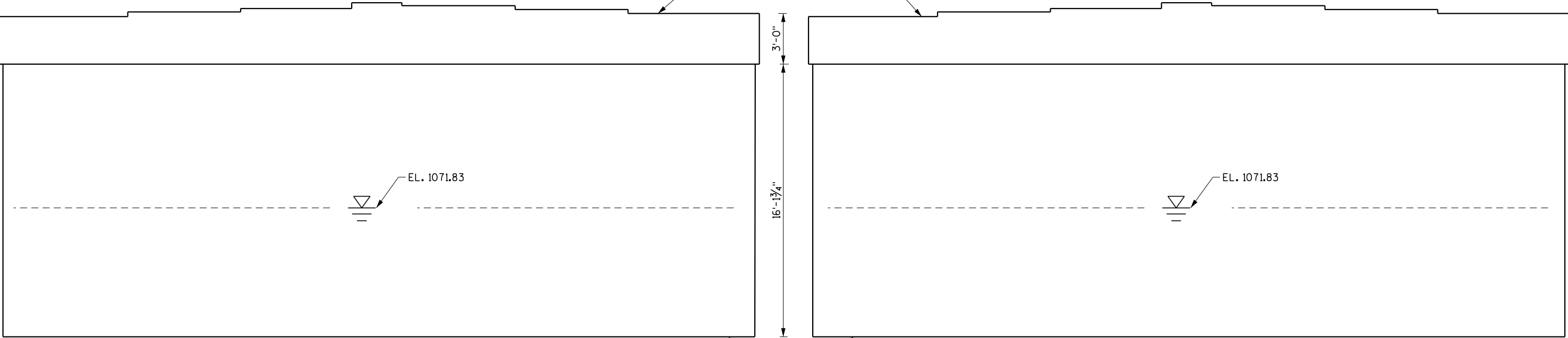
BID ITEM NUMBER	BID ITEM	UNIT	EAST ABUT	PIER 1	PIER 2	WEST ABUT	SUPER	TOTAL	REMARKS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES (B-71-130)	LS	0	1	0	0	0	1	PIER REPAIR
509.1500	CONCRETE SURFACE REPAIR	SF	0	80	0	0	0	80	PIER REPAIR
SPV.0165.01	UNDERWATER CONCRETE SURFACE REPAIR	SF	0	280	0	0	0	280	PIER REPAIR

NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY BAXTER & WOODMAN Consulting Engineers			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-71-130			
DRAWN BY		DCD	PLANS CK'D. BAB
CROSS SECTION & QUANTITIES		SHEET 2 OF 4	



PLAN

VARIES (TOP OF PIER CAP)
EL 1083.35 - 1083.75



NOT SHOWN: HP12X53 STEEL
PILING SET IN PREBORED HOLES (TYP)

ELEVATION
(LOOKING NORTH)

ELEVATION
(LOOKING SOUTH)

NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY BAXTER & WOODMAN Consulting Engineers			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-71-130			
DRAWN BY		DCD	PLANS CK'D. BAB
PIER 1 DETAILS		SHEET 3 OF 4	



PHOTO A
(NORTH PIER NOSE)



PHOTO B
(6"-12" DEEP SPALL - WEST SIDE OF PIER 1)



PHOTO C
(SOUTH PIER NOSE)

STATE PROJECT NUMBER

6620-01-60

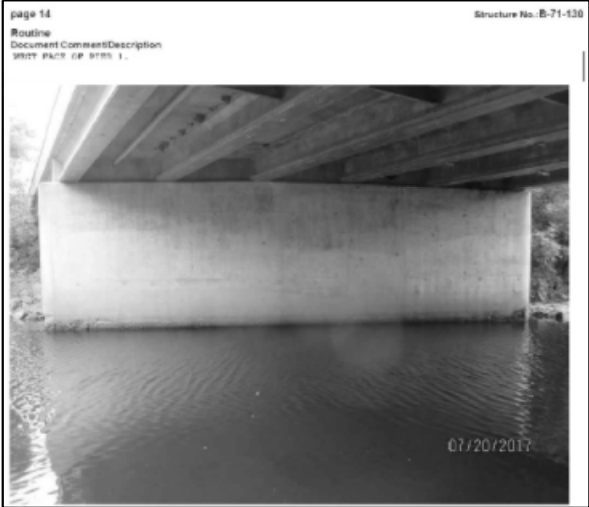
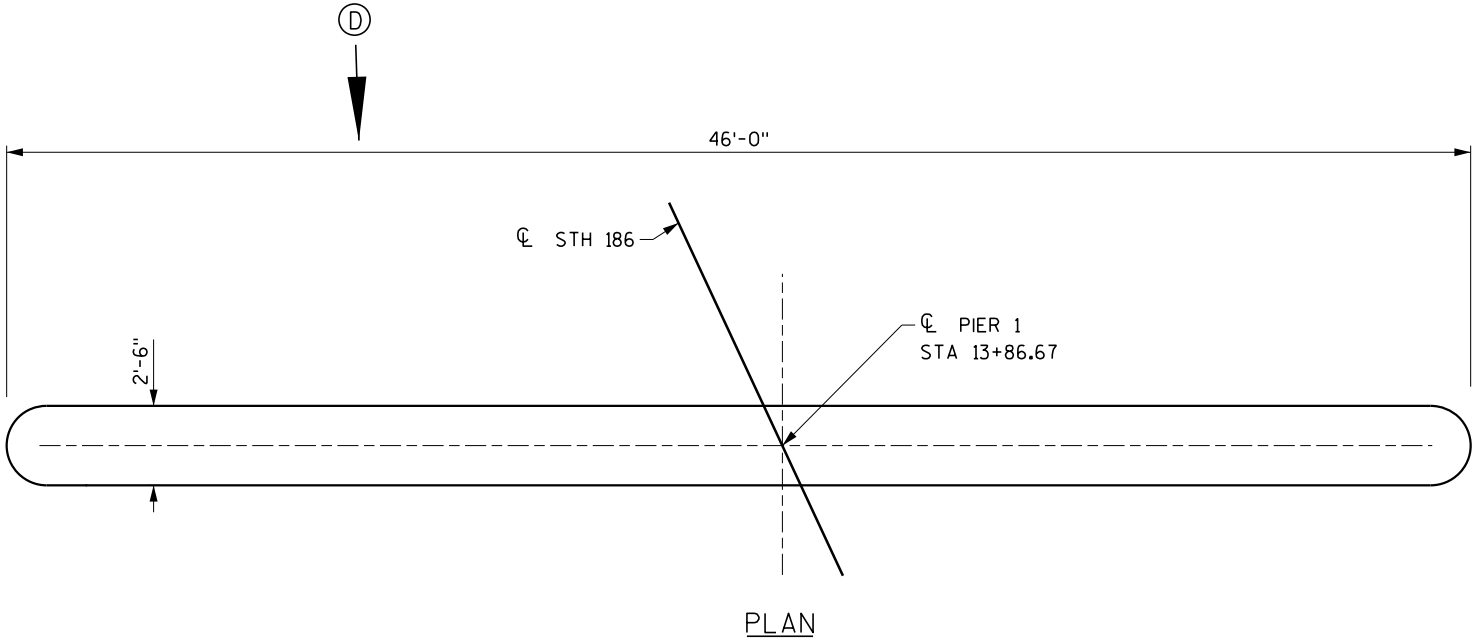
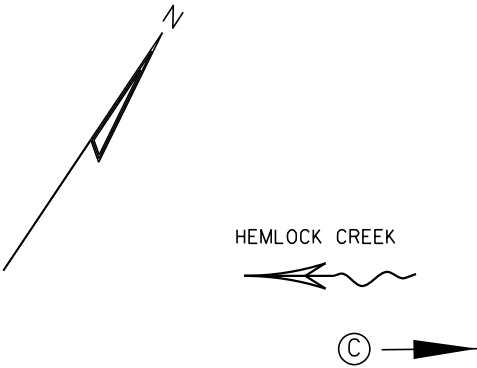


PHOTO D
(WEST FACE)

8

8

NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY BAXTER & WOODMAN Consulting Engineers			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-71-130			
DRAWN BY		DCD	PLANS CK'D. BAB
PIER 1 PHOTO DETAILS		SHEET 4 OF 4	



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>