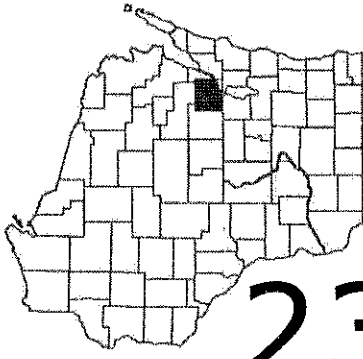


Jun 06

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 Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plans
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS = 28



23

DESIGN DESIGNATION

A.A.D.T. 2006	= 100
A.A.D.T. 2026	= 125
O.R.V.	= 15
D.D.	= 50-50
T.	= 8.0%
DESIGN SPEED	= 55
ESALS	= 14,500

CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
	STORM SEWER
	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE
MARSH AREA	
WOODED OR SHRUB AREA	

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

RAY ROAD BRIDGE AND APPROACHES

TOWN OF ONEIDA, BRANCH OF DUCK CREEK

TOWN ROAD

OUTAGAMIE COUNTY

STATE PROJECT NUMBER

6499-07-71



BEGIN PROJECT 6499-07-71

STA 19+00.00

Y = 623460.10 FEET

X = 963554.00 FEET

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	

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.044 MI.

STATE PROJECT

6499-07-71

FEDERAL PROJECT

PROJECT

BR 2006354

CONTRACT

AS BUILT PLAN

NO.

SUPERVISOR Roger Rahn

RESIDENT Dan Nelson

CONTRACTOR Radtke

COMPLETED 9/22/06

ACCEPTED FOR

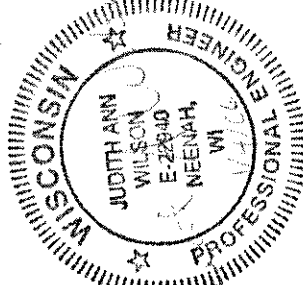
OUTAGAMIE COUNTY

1-5-06

(Date)

ORIGINAL PLANS PREPARED BY

OMNI ASSOCIATES



STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PREPARED BY

SURVEYOR

DESIGNER

PROJECT MANAGER

DISTRICT EXAMINER

DISTRICT SUPERVISOR

C.D. EXAMINER

APPROVED FOR DISTRICT OFFICE

DATE: 1-18-06

(Signature)

ALL COORDINATES SHOWN ON THIS PLAN ARE BASED ON THE OUTAGAMIE COUNTY COORDINATE SYSTEM.

UTILITIES

ELECTRIC

WE ENERGIES - ELECTRIC
P.O. BOX 1699
800 SOUTH LYNNDALE DRIVE
APPLETON, WISCONSIN 54914
ATTN: MR. DAVE PLAMANN
TELEPHONE: (920) 380-3561

TELEPHONE

SBC
221 WEST WASHINGTON STREET
PO BOX 2159
APPLETON, WISCONSIN 54913
ATTN: MR. CHRIS SABOURIN
TELEPHONE: (920) 735-3252

DNR LIAISON

MS. SHELLY SCHAEZ
WDNR - NORTHEAST REGIONAL HEADQUARTERS
2984 SHAWANO AVENUE
GREEN BAY, WISCONSIN 54313-6727
TELEPHONE: (920) 662-5119

DIGGERS HOTLINE

CABLE LOCATE
TELEPHONE: (800) 242-8511 (TOLL FREE)



Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

GENERAL NOTES

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

FILL AS SHOWN ON THE PLANS PERTAINS TO EMBANKMENTS CONSTRUCTED FROM EXCAVATION COMMON. THE ALLOWANCE USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 30 PERCENT. ALL FILL VOLUMES SHOWN ARE THE ACTUAL VOLUMES.

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

ALL DISTURBED AREAS, NOT OTHERWISE SURFACED ARE TO BE TOPSOILED, FERTILIZED, SEEDED AND MULCHED.

SEED MIXTURE NO. 20 SHALL BE USED ON ALL DISTURBED AREAS. PLACE SEED MIXTURE NO. 60 IN WETLAND AREAS AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATIONS OF ALL EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

DISTANCES SHOWN ON THIS PLAN ARE GROUND DISTANCES.

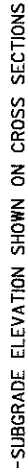
PLAN ELEVATIONS = USGS DATUM

THE WISCONSIN DEPARTMENT OF TRANSPORTATION WILL FURNISH THE CONTRACTOR WITH A MONUMENT WHICH SHALL BE SET IN THE STRUCTURE AS DESIGNATED BY THE ENGINEER. AN ELEVATION SHALL BE PLACED ON THE MONUMENT IN NAVD 88 OR NGVD DATUM AND IDENTIFIED AS TO THE DATUM USED. PROVIDE BENCHMARK INFORMATION TO THE NORTHEAST REGION SURVEY DEPARTMENT.

EROSION CONTROL NOTES

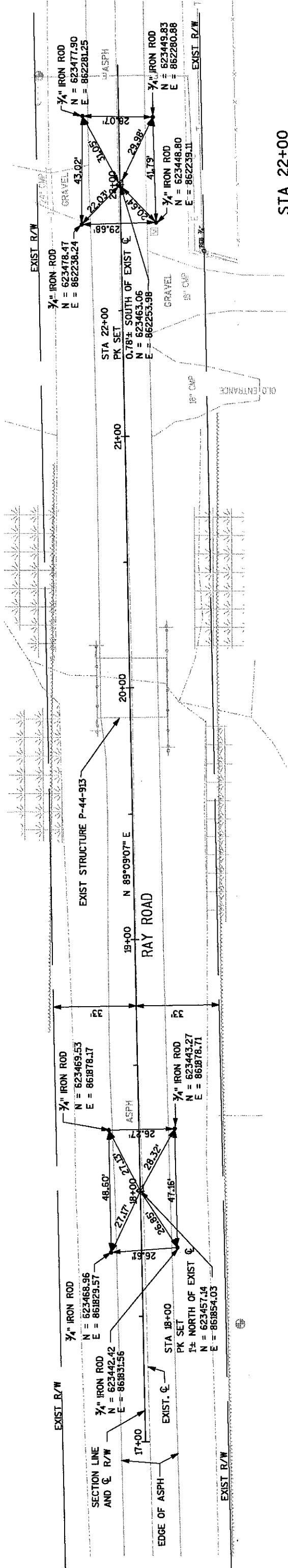
RUNOFF COEFFICIENT FOR THIS PROJECT: EXISTING PAVEMENT 0.95, EXISTING SLOPES 0.30, NEW PAVEMENT 0.95, NEW SLOPES 0.30.

TOTAL PROJECT AREA = 0.38 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.31 ACRES



FINISHED TYPICAL SECTION

STA 19+00 TO 21+30



STA 22+00

STA 18+00

DATE 04APR06
LINE . ESTIMATE OF QUANTITIES
6499-07-71

NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	201.0105	CLEARING	STA	2.000	2.000
0020	201.0205	GRUBBING	STA	2.000	2.000
0030	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	1.000	1.000
0040	203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS 01. 20+00	LS	1.000	1.000
0050	205.0100	EXCAVATION COMMON	CY	200.000	200.000
0060	206.1000	EXCAVATION FOR STRUCTURES BRIDGES (STRUCTURE) 01. B-44-265	LS	1.000	1.000
0070	208.0100	BORROW	CY	65.000	65.000
0080	210.0100	BACKFILL STRUCTURE	CY	124.000	124.000
0090	213.0100	FINISHING ROADWAY (PROJECT) 01. 6499-07-71	EACH	1.000	1.000
0100	301.0100.S	QMP BASE AGGREGATE	TON	370.000	370.000
0110	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	20.000	20.000
0120	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	350.000	350.000
0130	455.0605	TACK COAT	GAL	12.000	12.000
0140	465.0105	ASPHALTIC SURFACE	TON	95.000	95.000
0150	502.0100	CONCRETE MASONRY BRIDGES	CY	121.000	121.000
0160	502.0301.S	QMP CONCRETE STRUCTURES	CY	121.000	121.000
0170	502.0400.S	INCENTIVE STRENGTH CONCRETE STRUCTURES	DOL	1,210.000	1,210.000
0180	502.3200	PROTECTIVE SURFACE TREATMENT	SY	117.000	117.000
0190	505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	3,760.000	3,760.000
0200	505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	12,550.000	12,550.000
0210	511.2105	PILING STEEL DELIVERED AND DRIVEN HP 10-INCH X 42 LB	LF	240.000	240.000
0220	513.4050	RAILING TUBULAR TYPE F (STRUCTURE) 01. B-44-265	LS	1.000	1.000
0230	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	14.000	14.000
0240	606.0300	RIPRAP HEAVY	CY	110.000	110.000
0250	612.0106	PIPE UNDERDRAIN 6-INCH	LF	40.000	40.000
0260	612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	28.000	28.000
0270	619.1000	MOBILIZATION	EACH	1.000	1.000
0280	624.0100	WATER	MGAL	3.000	3.000
0290	625.0100	TOPSOIL	SY	800.000	800.000
0300	627.0200	MULCHING	SY	1,000.000	1,000.000
0310	628.1504	SILT FENCE	LF	350.000	350.000
0320	628.1520	SILT FENCE MAINTENANCE	LF	700.000	700.000
0330	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	2.000	2.000
0340	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	2.000	2.000
0350	628.2002	EROSION MAT CLASS I TYPE A	SY	250.000	250.000
0360	628.6005	TURBIDITY BARRIERS	SY	180.000	180.000
0370	628.7504	TEMPORARY DITCH CHECKS	LF	40.000	40.000
0380	628.7550	CULVERT PIPE DITCH CHECKS	EACH	1.000	1.000
0390	629.0210	FERTILIZER TYPE B	CWT	1.000	1.000
0400	630.0120	SEEDING MIXTURE NO. 20	LB	35.000	35.000
0410	630.0160	SEEDING MIXTURE NO. 60	LB	5.000	5.000
0420	630.0200	SEEDING TEMPORARY	LB	20.000	20.000
0430	634.0412	POSTS WOOD 4X4-INCH X 12-FT	EACH	4.000	4.000
0440	637.0202	SIGNS REFLECTIVE TYPE II	SF	12.000	12.000
0450	638.2602	REMOVING SIGNS TYPE II	EACH	4.000	4.000
0460	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	4.000	4.000
0470	642.5000	FIELD OFFICE TYPE B (PROJECT) 01. 6499-07-71	EACH	1.000	1.000
0480	643.0100	TRAFFIC CONTROL (PROJECT) 01. 6499-07-71	EACH	1.000	1.000

DATE 04APR06		E S T I M A T E O F Q U A N T I T I E S					6499-07-71
LINE	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY		
0490	645.0111	GEOTEXTILE FABRIC TYPE DF SCHEDULE A	SY	34.000	34.000		
0500	645.0120	GEOTEXTILE FABRIC TYPE HR	SY	164.000	164.000		
0510	646.0103	PAVEMENT MARKING PAINT 4-INCH	LF	700.000	700.000		
0520	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	190.000	190.000		
0530	650.5000	CONSTRUCTION STAKING BASE	LF	190.000	190.000		
0540	650.6500	CONSTRUCTION STAKING STRUCTURE LAYOUT	LS	1.000	1.000		
		(STRUCTURE) 01. B-44-265					
0550	650.9900	CONSTRUCTION STAKING INITIAL LAYOUT	LF	190.000	190.000		
0560	690.0100	SAWING EXISTING PAVEMENT	LF	44.000	44.000		

EXCAVATION COMMON					
STATION	CUT AREA (SF)	CUT VOLUME (CY)	FILL AREA (SF)	FILL VOLUME (CY)	
19+00	25	0	37	0	
19+50	39	59	27	59	
19+80	20	33	27	30	
SUB TOTAL		92		89	
ENDS ABRUPTLY STRUCTURE					
BEGINS ABRUPTLY					
20+20	25	0	20	0	
20+50	27	29	23	24	
21+00	22	45	14	34	
21+30	33	31	11	14	
SUB TOTAL		105		72	
TOTALS		197		161	

YARDAGE SUMMARY					
		205.0100			
		EXCAVATION	EXPANDED	208.0100	
		COMMON	FILL		
STATION TO STATION	LOCATION	CY	CY	CY	WASTE CY
19+00-STRUCTURE	RAY ROAD	95	89	115	45
STRUCTURE-21+30	RAY ROAD	105	72	95	20
TOTALS		200	161	210	65

* WASTE IS ASPHALT TO BE HAULED OFF SITE AT CONTRACTORS EXPENSE.

REMOVING SMALL PIPE CULVERTS		
203.0100		
REMOVING SMALL PIPE CULVERTS		
STATION	LOCATION	
21+15, 27' RT	RAY ROAD	1
TOTAL		1

CLEARING & GRUBBING		
201.0105 201.0205		
CLEARING GRUBBING		
STATION	LOCATION	STATION
19+00-21+00	RAY ROAD	2
TOTALS		2

ASPHALTIC ITEMS		
465.0105		
ASPHALTIC SURFACE TON		
STATION TO STATION	LOCATION	
19+00 - STRUCTURE	RAY ROAD	40
STRUCTURE- 21+30	RAY ROAD	55
TOTALS		95

BASE AGGREGATE DENSE AND WATER					
		301.0100.S	305.0110	305.0120	624.0100
		QMP BASE	BASE AGGREGATE	BASE AGGREGATE	
		AGGREGATE	DENSE 3/4-INCH	DENSE 1 1/4-INCH	WATER
STATION TO STATION	LOCATION	TON	TON	TON	MGAL
19+00 - STRUCTURE	RAY ROAD	158	8	150	1.5
STRUCTURE - 21+30	RAY ROAD	212	12	200	1.5
TOTALS		370	20	350	3

LANDSCAPING					
		625.0100	627.0200	630.0200	630.0160 629.0210
		TOPSOIL	MULCHING	SEEDING TEMPORARY	SEEDING FERTILIZER
		SY	SY	LB	NO 20 LB NO 60 LB CWT
STATION TO STATION	LOCATION				
19+00-STRUCTURE, LT	RAY ROAD	230	230	5	9
19+00-STRUCTURE, RT	RAY ROAD	170	170	4	7
STRUCTURE-21+30, LT	RAY ROAD	200	200	3	6
STRUCTURE-21+30, RT	RAY ROAD	200	200	3	6
UNDISTRIBUTED	RAY ROAD	---	200	5	7
TOTALS		800	1,000	20	35

EROSION CONTROL ITEMS									
628.1504	628.1520	628.1905	628.1910	628.2002	628.7504	628.7550			
SILT FENCE	SILT FENCE	MOBILIZATIONS		EROSION MAT		TEMPORARY			
		MAINTENANCE	EROSION CONTROL	EROSION CONTROL	CLASS I	DITCH	CULVERT PIPE		
LF	LF	LF	EACH	SY	TYPE A	CHECKS	DITCH CHECKS	LF	REMARKS
---	---	---	---	100	---	10	---	---	HT = 10'
---	---	---	---	100	---	10	---	---	HT = 10'
120	240	---	---	---	---	---	---	---	---
150	300	---	---	---	---	10	1	---	---
80	160	2	2	50	---	10	---	---	---
UNDISTRIBUTED									
TOTALS		350	700	2	250	40	1		

SIGN REFLECTIVE TYPE II & POSTS WOOD									
		634.0412			637.0202				
		SIGN SIZE	POSTS WOOD	SIGNS REFLECTIVE					
		HORIZ X VERT	4X4-INCH X 12-FT	TYPE II	SF				
STATION	LOCATION	CODE	IN X IN	EACH		STATION	LOCATION	EACH	REMARKS
19+69, RT	RAY ROAD	W5-52R	12 X 36	1	3	19+76, RT	RAY ROAD	1	OBJECT MARKER SIGN
19+73, LT	RAY ROAD	W5-52L	12 X 36	1	3	19+82, LT	RAY ROAD	1	OBJECT MARKER SIGN
20+27, RT	RAY ROAD	W5-52L	12 X 36	1	3	20+24, RT	RAY ROAD	1	OBJECT MARKER SIGN
20+31, LT	RAY ROAD	W5-52R	12 X 36	1	3	20+17, LT	RAY ROAD	1	OBJECT MARKER SIGN
TOTALS				4	12	TOTALS		4	4

SAWING EXISTING PAVEMENT									
690.0100									
STATION	LOCATION	LF							
19+00	RAY ROAD	22							
21+30	RAY ROAD	22							
TOTAL		44							

CONSTRUCTION STAKING									
650.4500	650.5000	650.9900	650.6500						
SUBGRADE	BASE	INITIAL	STRUCTURE						
LF	LF	LAYOUT	LAYOUT						
STATION TO STATION	LOCATION	LF	LS						
19+00 - 19+80	RAY ROAD	80	80	---	---	---	---	---	---
STRUCTURE B-44-265	RAY ROAD	---	---	---	---	---	---	---	---
20+20 - 21+30	RAY ROAD	110	110	---	---	---	---	---	---
TOTALS		190	190	---	---	---	---	---	---

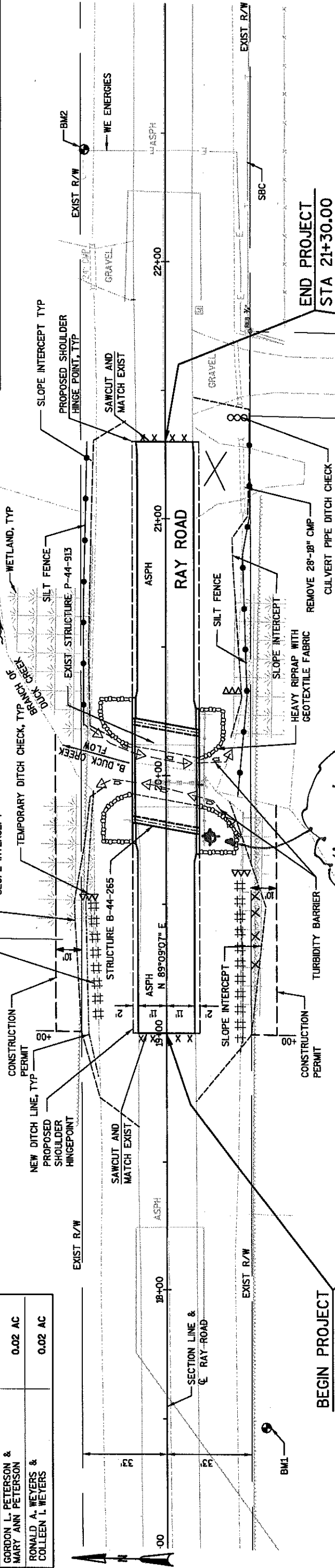
OWNER	CONSTRUCTION PERMIT
THE UNITED STATES OF AMERICA IN TRUST FOR THE ONEIDA TRIBE OF INDIANS OF WISCONSIN	0.01 AC
GORDON L. PETERSON & MARY ANN PETERSON	0.02 AC
RONALD A. WEYERS & COLLEEN L. WEYERS	0.02 AC

THE UNITED STATES OF AMERICA IN TRUST FOR THE
ONEIDA TRIBE OF INDIANS OF WISCONSIN

GORDON L. PETERSON &
MARY ANN PETERSON

NO.	STATION	DESCRIPTION	ELEV.
1	17+46.6, 38.7' ± RT	RR SPIKE IN 24" DIA. WHITE OAK	740.07
2	22+43.1, 31.5' ± LT	RR SPIKE IN PP # 91-26470 FIRST POLE	741.48
		EAST OF BRIDGE	

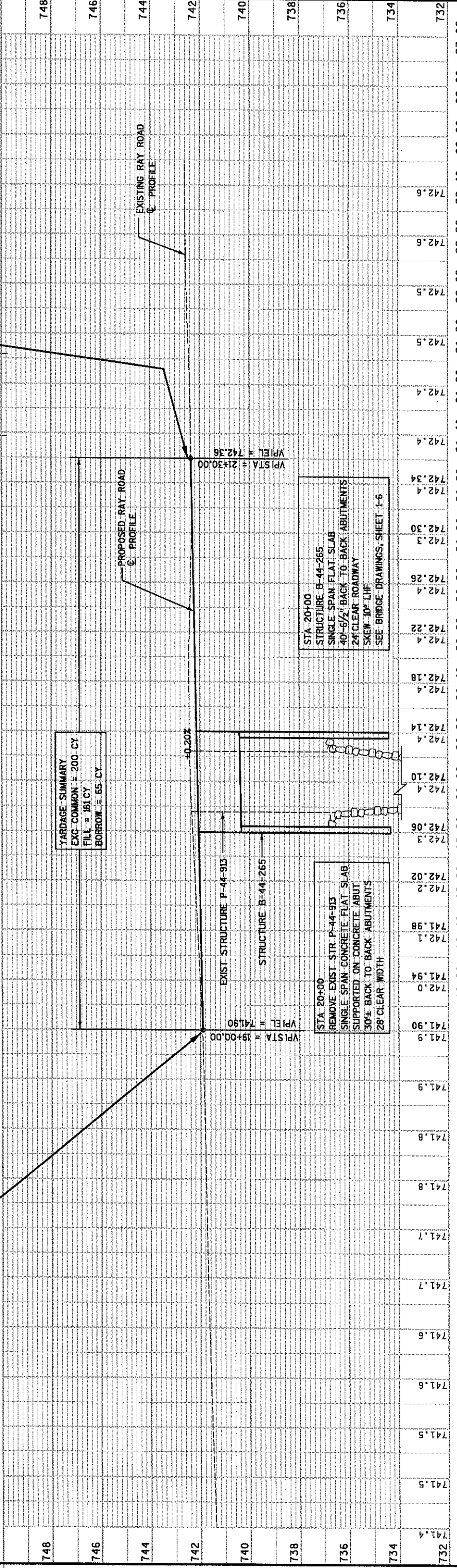
BENCH MARKS



TERRY J. SCHADRIE &
LYNN E. SCHADRIE

RONALD A. WEYERS &
COLLEEN L. WEYERS

5

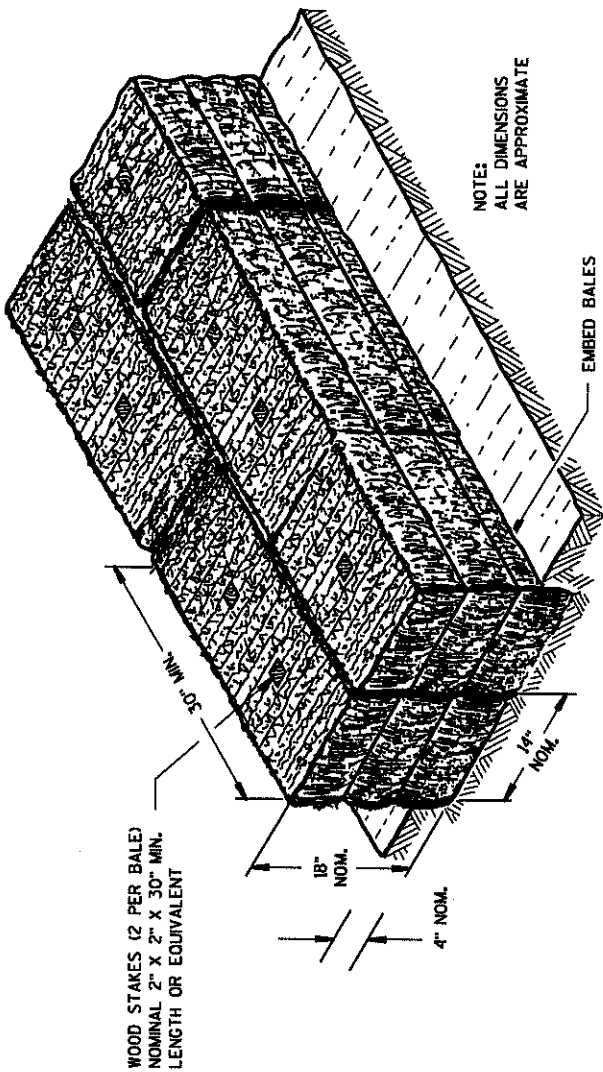


PROJECT NUMBER:	6499-07-71	HWY:	RAY ROAD	COUNTY:	OUTAGAMIE	PLAN AND PROFILE:	RAY ROAD	SHEET NO:	9	E
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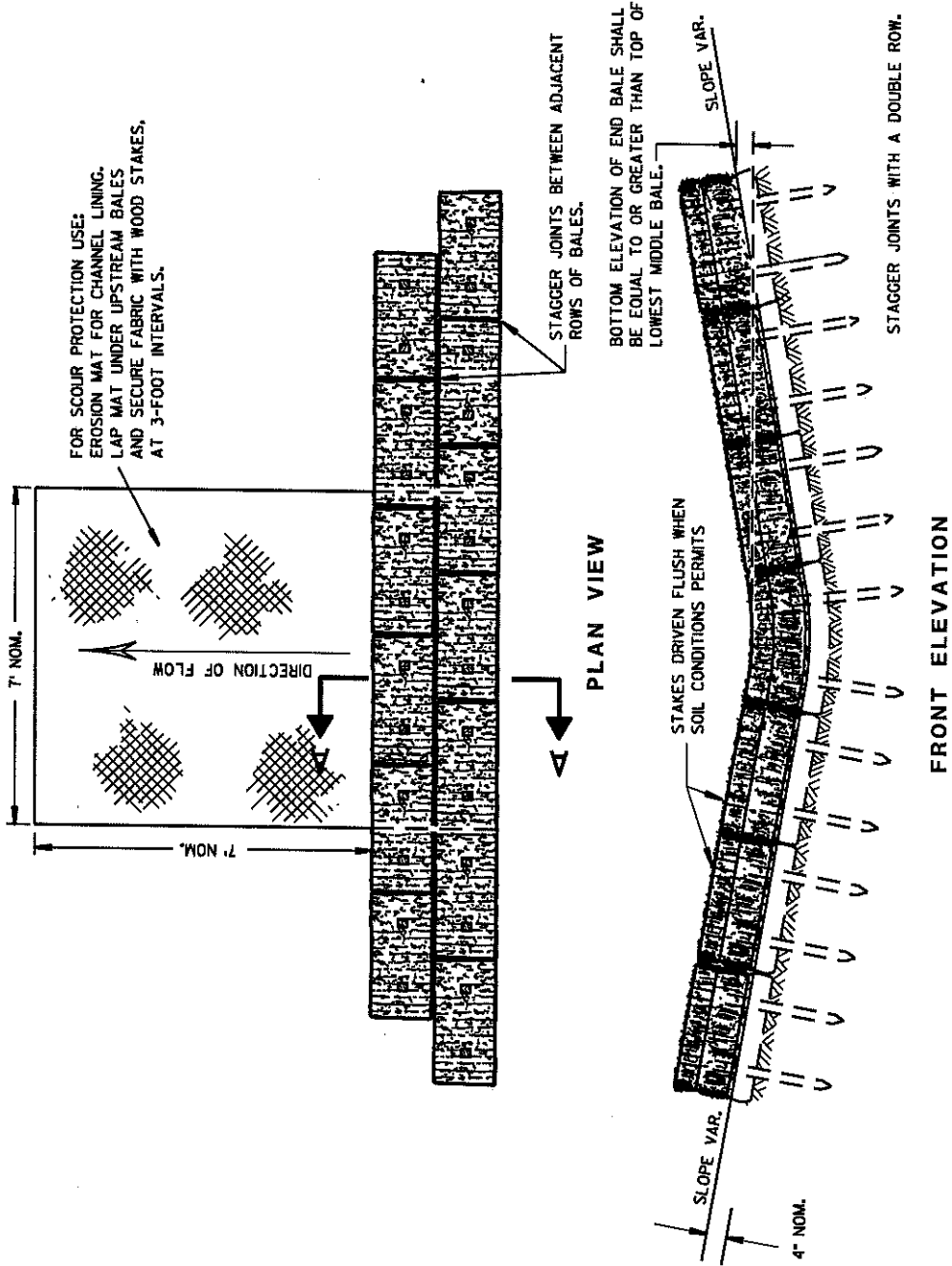
Standard Detail Drawing List

08E8-3	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E9-6	SILT FENCE
08E11-2	TURBIDITY BARRIER
12A3-8	NAME PLATE (STRUCTURES)
15C2-4A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C2-4B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C6-4	SIGNING & MARKING FOR TWO LANE BRIDGES
15C8-9A	PAVEMENT MARKING (MAINLINE)





SECTION A-A

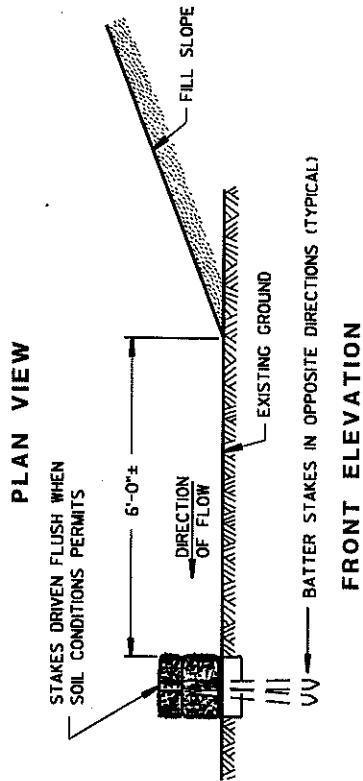
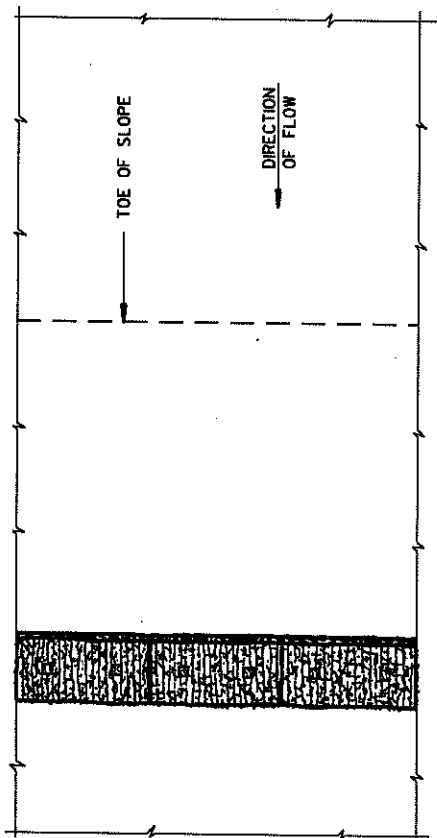
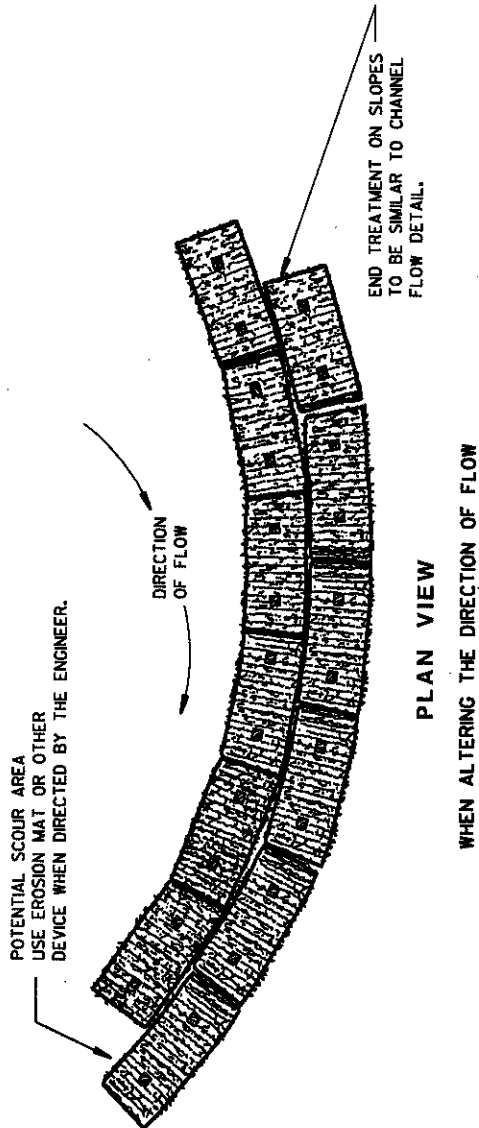


TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

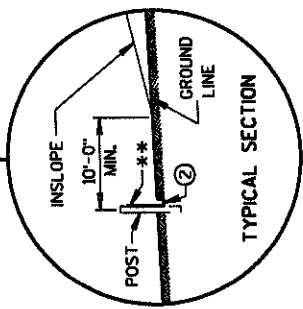
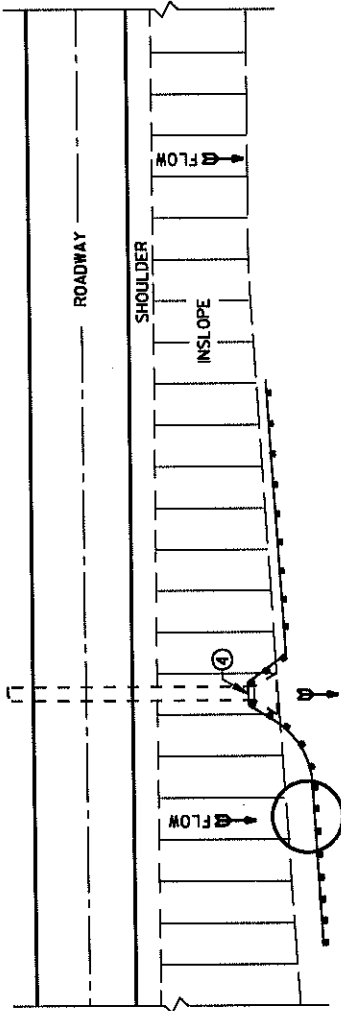
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

- 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.



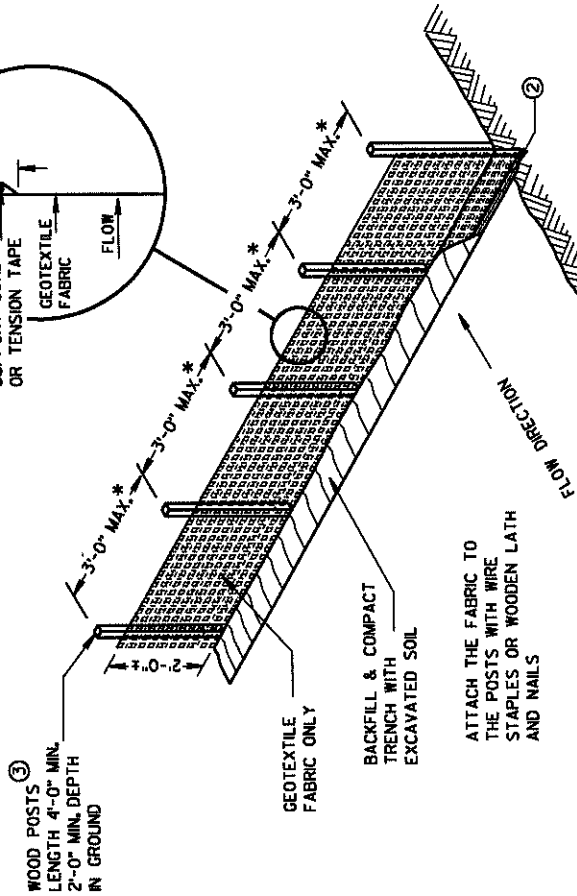
EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/04/02 DATE	CHEF / ROADWAY DEVELOPMENT ENGINEER
FHWA	



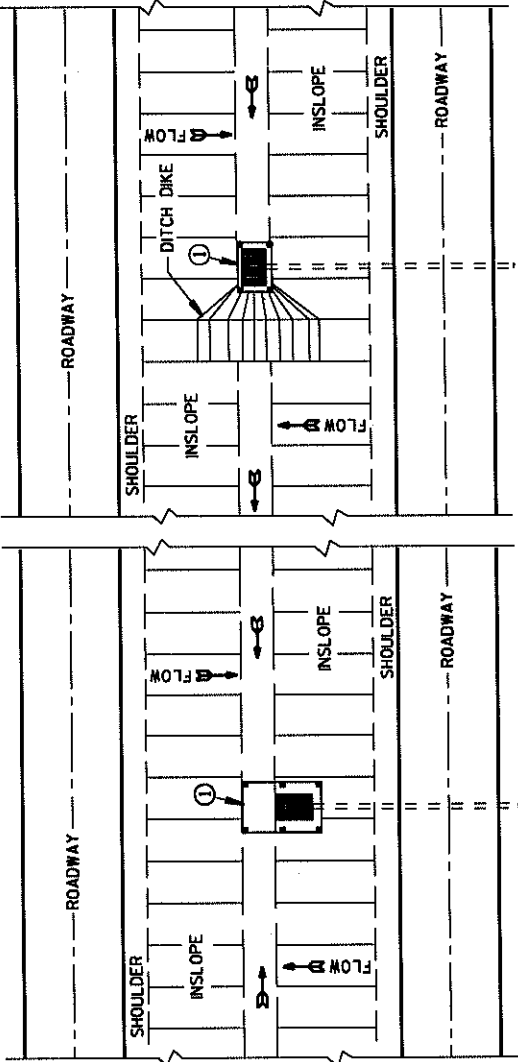
TYPICAL APPLICATION OF SILT FENCE

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

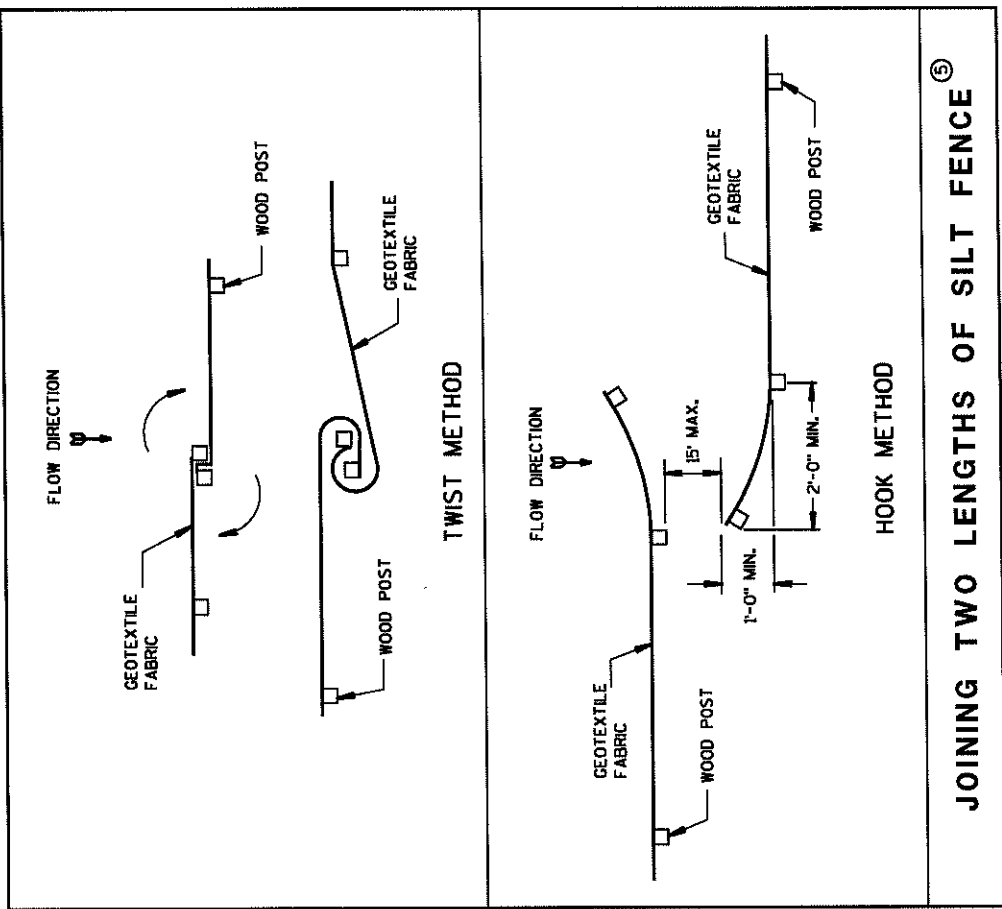


* NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

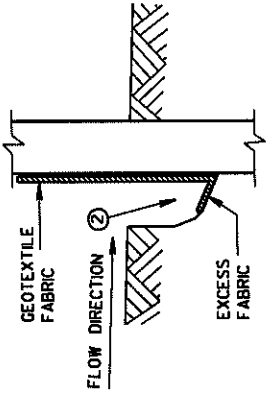


SILT FENCE AT MEDIAN SURFACE DRAINS

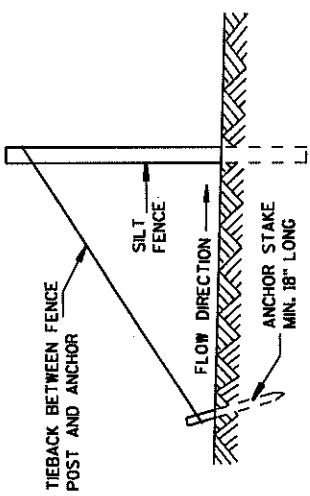


GENERAL NOTES

- DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
- HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 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.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1/8" X 1/8" OF OAK OR HICKORY.
- SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- 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

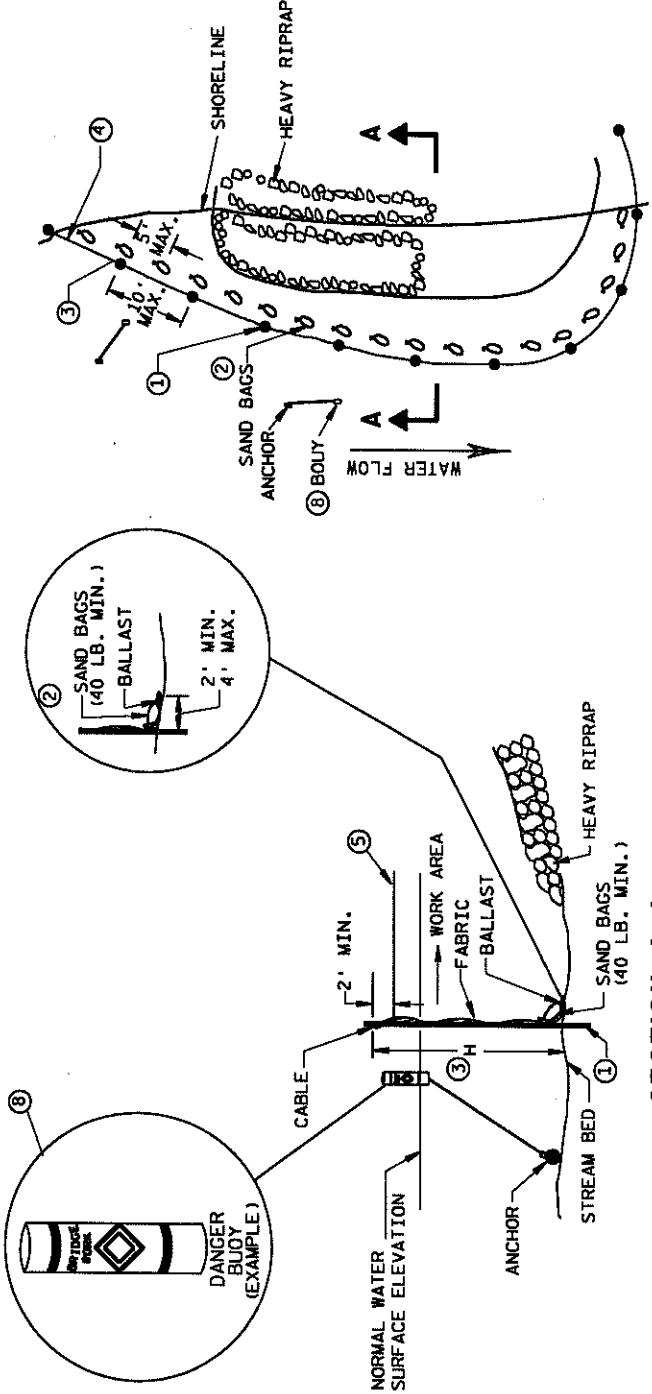
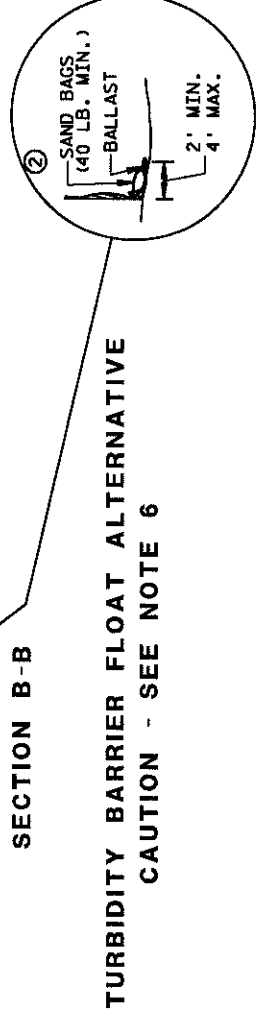
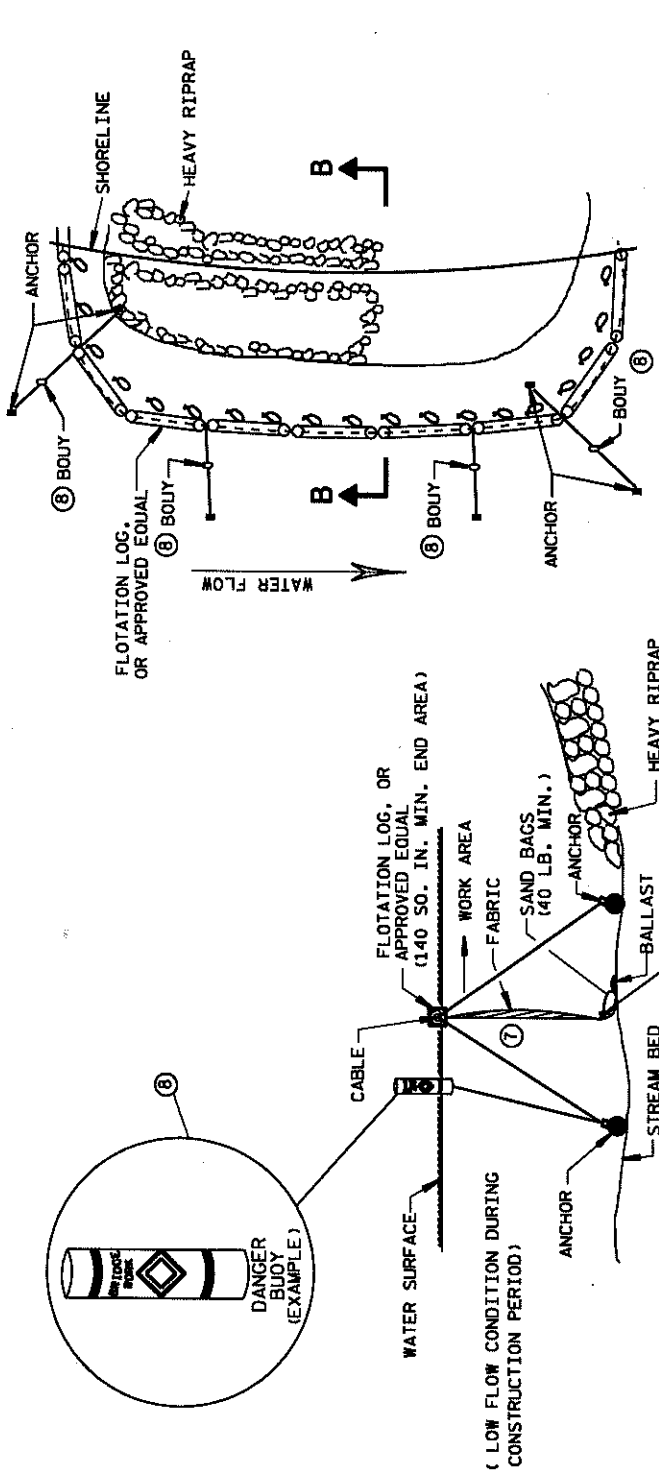


SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 4-29-05 DATE
CHEF ROADWAY DEVELOPMENT ENGINEER FWHA

JOINING TWO LENGTHS OF SILT FENCE

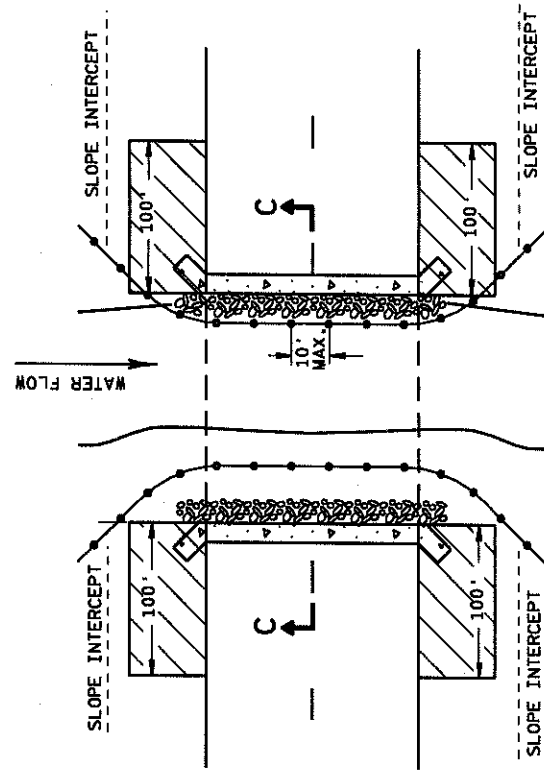
JOINING TWO LENGTHS OF SILT FENCE



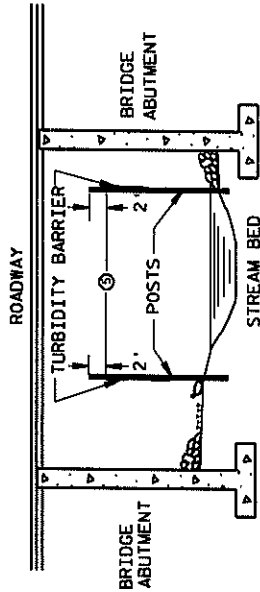
SECTION A-A
TURBIDITY BARRIER STANDARD POST INSTALLATION

PLAN VIEW

- ### 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.
- TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.
- 1 DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
 - 2 SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
 - 3 WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
 - 4 IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
 - 5 ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE D2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.
 - 6 FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.
 - 7 ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
 - 8 USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING
TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02

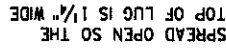
DATE

CHIEF ROADWAY DEVELOPMENT ENGINEER

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 506.2.4 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

-
- Technical drawing of a plate anchor. The drawing shows a cross-section of a plate with a central anchor. The anchor has a diameter of $\frac{3}{8}$ " at the top and a diameter of $\frac{1}{2}$ " at the bottom. The plate has a thickness of $\frac{1}{8}$ ". The anchor is secured with a nut and washer. The drawing includes the following dimensions and notes:
- Top plate thickness: $\frac{1}{8}$ "
 - Anchor diameter at top: $\frac{3}{8}$ "
 - Anchor diameter at bottom: $\frac{1}{2}$ "
 - Plate thickness: $\frac{1}{8}$ "
 - Note: "WHEN THE PLATE IS ATTACHED TO METAL, DELETE THE ANCHOR LUGS AND DRILL A $\frac{3}{8}$ " ϕ HOLE."



SECTION A-A

NAME PLATE
(STRUCTURES)STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/28/04
DATE
FHWAA



FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

UNIT NO. FOR MULTIPLE
UNIT BRIDGE

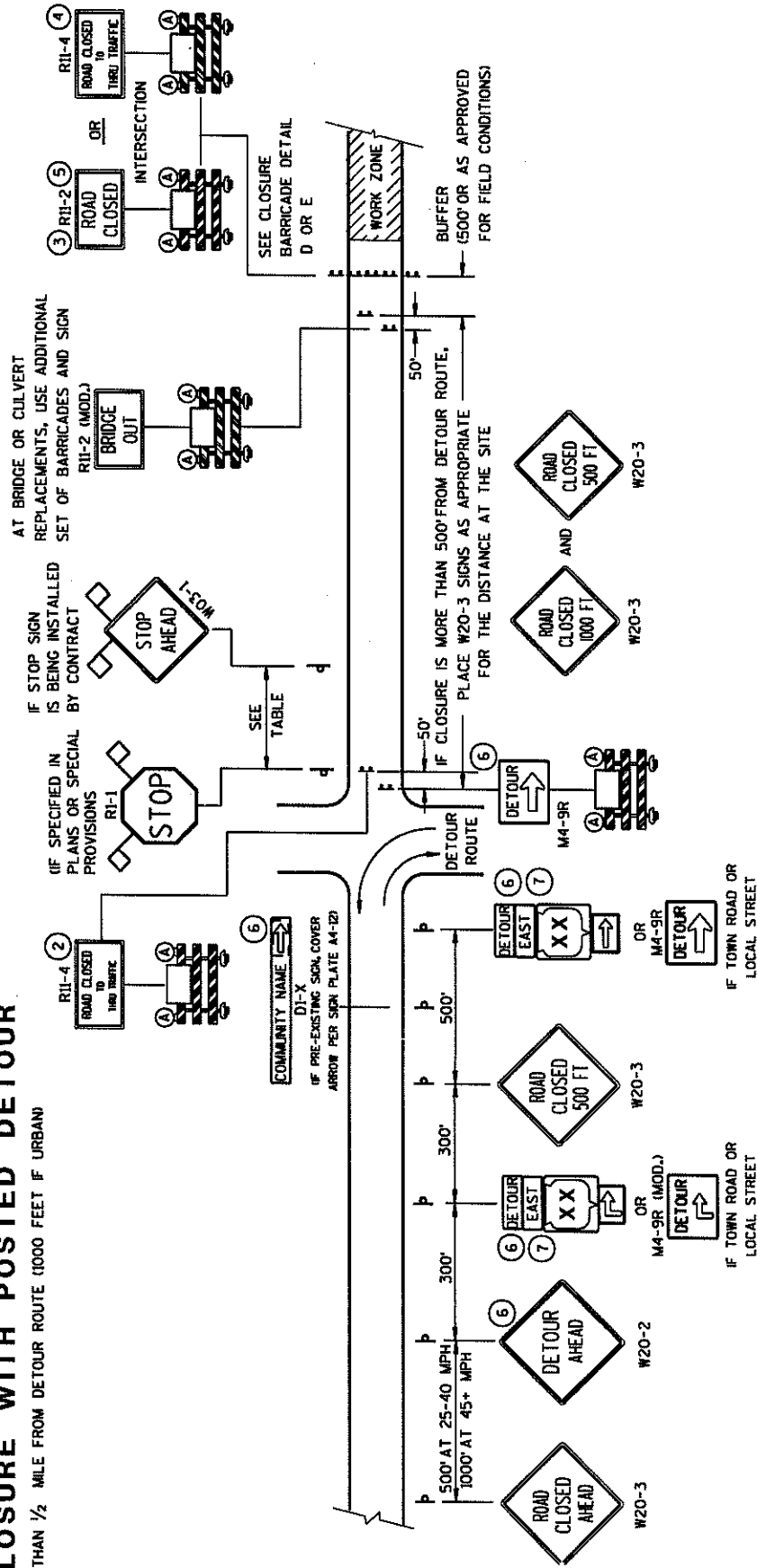
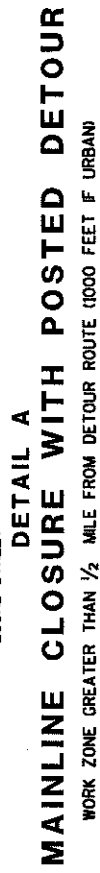
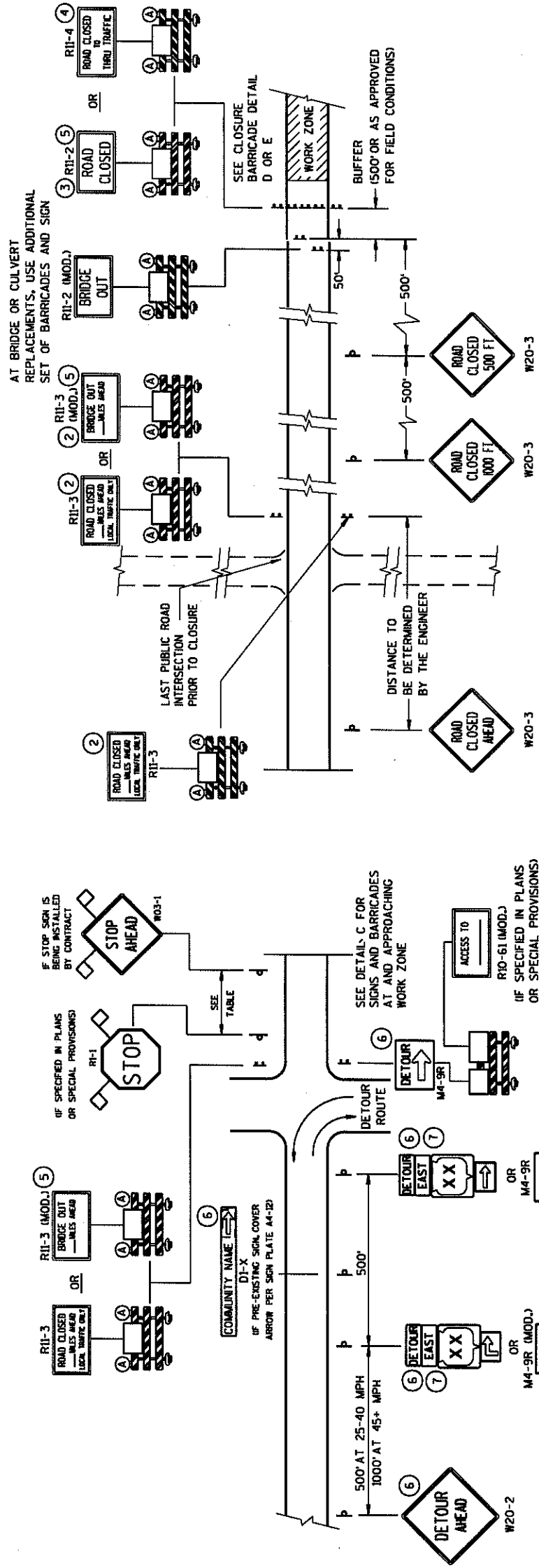
B = BRIDGE
C = CULVERT
R = RETAINING WALL

NO. _____ BRIDGE NO. _____

B-40-400-1A

NUMBERING DESIGNATION	MULTI-UNIT STRUCTURES
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
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96	96
97	97
98	98
99	99
100	100

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750



LEGEND

 POST MOUNTED SIGN

 TYPE III BARRICADES

 TYPE "A" LOW INTENSITY FLASHING
WARNING LIGHT (FOR NIGHT USE)

 WORK ZONE

 DETOUR
EAST

M4-8
M3-X

 M4-8

OR

 COUNTY
M3-X

OR

 M1-4

M1-5A

M1-6

 M1-5A

OR

 M1-6

 M1-5A

OR

 M1-6

M1-5B

M1-7

 M1-5B

M1-8

 M1-7

M1-9

 M1-8

M1-10

 M1-9

M1-11

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M1-75

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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 BARRICADE.

THE RII-2, RII-3, M4-9, RII-4 AND RIO-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.

THE REFLECTIVE SHEETING USED ON RII-2, RII-3, RII-4, RIO-61 AND RI-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

"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:

RII-2 SHALL BE 48" X 30".

RII-3, RII-4 AND RIO-61 SHALL BE 60" X 30".

M4-9 SHALL BE 30" X 24".

M3-X AND M4-8 SHALL BE 24" X 12", (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)

MI-4, MI-5A, AND MI-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)

M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)

DI-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

RI-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 LIGHT SPACING).

2 THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

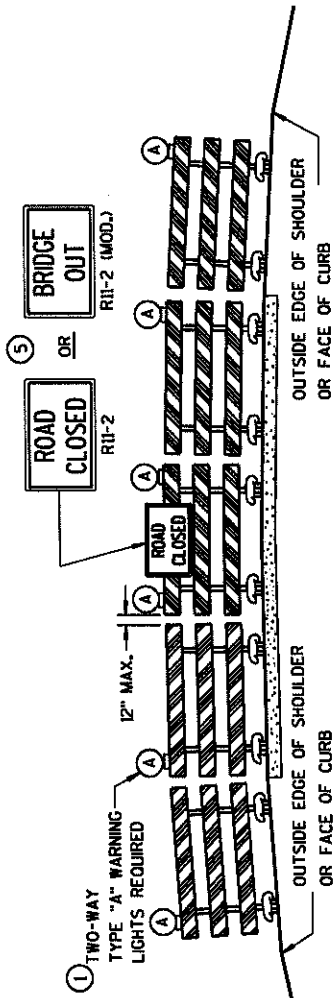
3 FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

4 FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

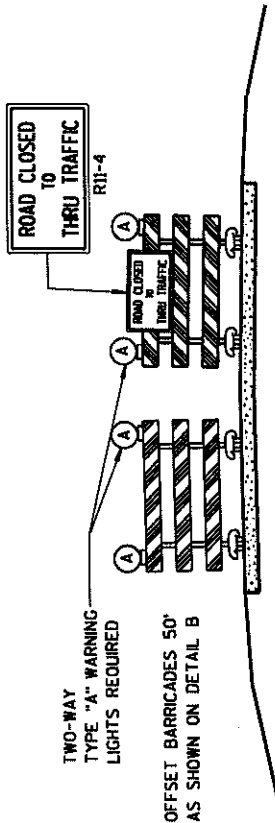
5 FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON RII-2 AND RII-3 SIGNS.

6 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.

7 "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2-4a FOR LEGEND

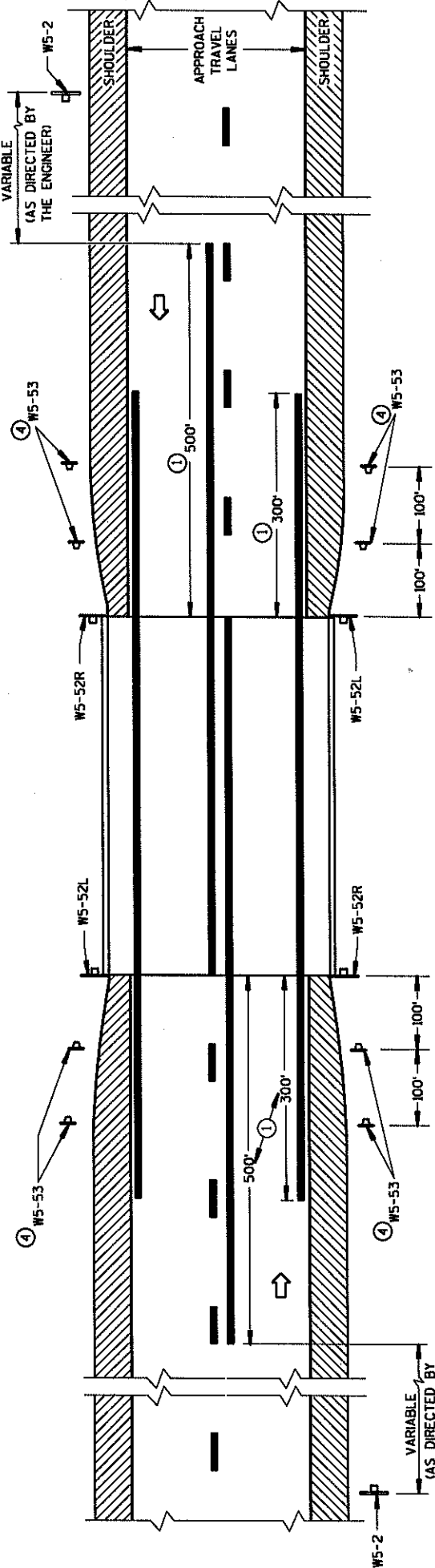
BARRICADES AND SIGNS FOR MAINLINE CLOSURES
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 9/16/03 DATE Thomas N. Notthahn, P.E. CHIEF SIGNS AND MARKING ENGINEER FHWA

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

PAVEMENT MARKING SHOWN ON THIS DRAWING IS NOT REQUIRED UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. WHEN SPECIFIED, PAVEMENT MARKING SHALL CONFORM TO THIS DRAWING AND OTHER CONTRACT REQUIREMENTS.

- 1 MINIMUM DISTANCE UNLESS OTHERWISE SHOWN ON THE PLAN.
- 2 FACE OF OBJECT MARKERS W5-52R AND W5-52L SHALL BE COVERED WITH TYPE H REFLECTIVE SHEETING.
- 3 LOCATE OBJECT MARKER POST(S) BEHIND GUARDRAIL WHEN PRESENT.
- 4 OBJECT MARKERS (W5-53) SHALL BE LOCATED ALONG A LINE FLARED AWAY FROM THE BRIDGE CORNER TO DELINEATE THE NARROWING OF THE SHOULDER OR BERM.
- 5 A 10 FOOT DELINEATOR POST MAY BE USED INSTEAD OF A WOOD POST.
- 6 NON-BID ITEM INCIDENTAL TO OTHER ITEMS.



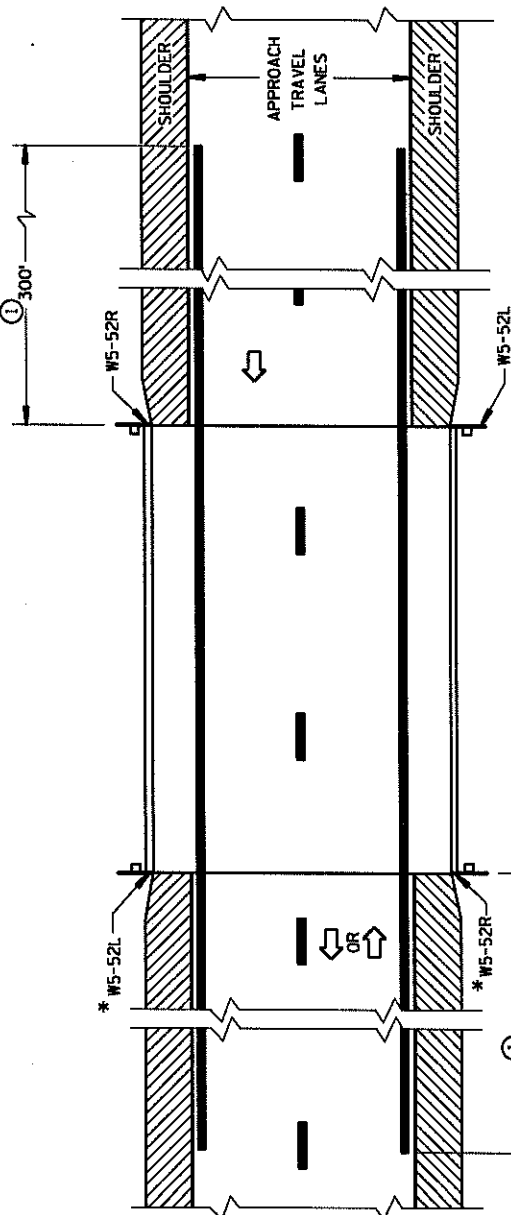
SITUATION 1

WARRANTING CRITERION:

BRIDGE WIDTH IS AT LEAST 18 FEET BUT LESS THAN 24 FEET

DESIGN NOTE: NOTE WILL NOT APPEAR ON CONTRACT PLANS

THIS S.D.D. IS INTENDED FOR USE WHEN TRAFFIC CONTROL DEVICES ARE FURNISHED AND INSTALLED UNDER CONTRACT. WHEN THE PAVEMENT MARKING SHOWN IS INCLUDED IN THE CONTRACT INCLUDE S.D.D. "PAVEMENT MARKING" AND/OR OTHER APPROPRIATE DETAILS IN THE PLAN.

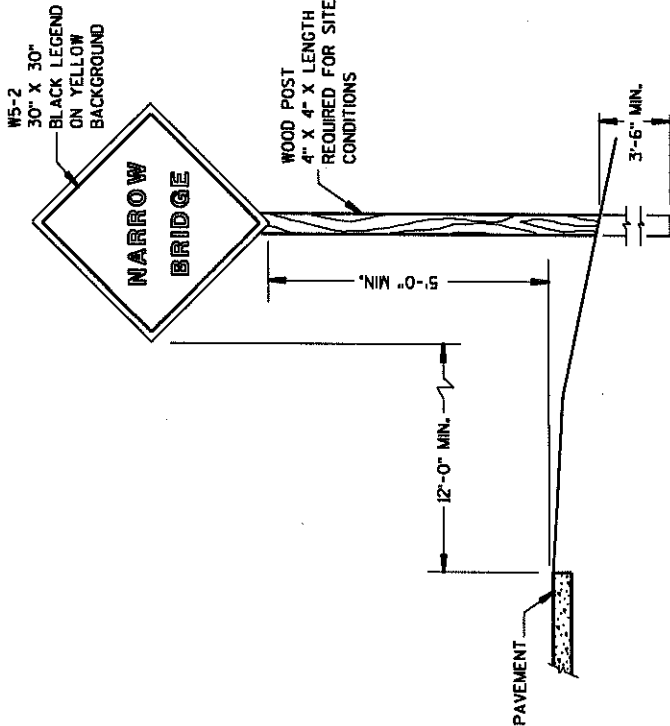


*OMIT ON ONE-WAY TRAVELLED WAYS

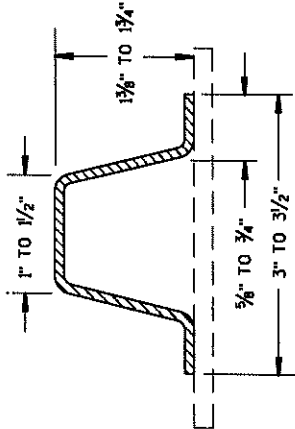
SITUATION 2

WARRANTING CRITERIA:

- 1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
- 2. BRIDGE IS LESS THAN 6 FEET WIDER (ON EACH SIDE) THAN APPROACH TRAVEL LANES.



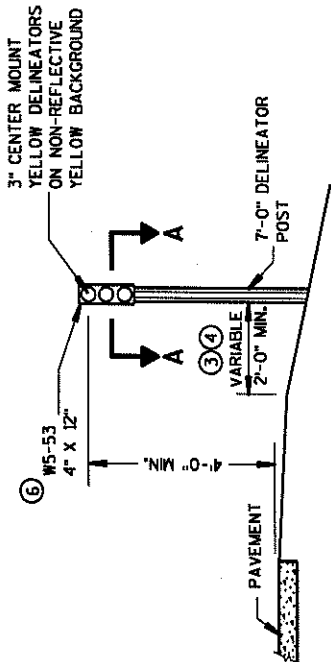
SIGN PLACEMENT



SECTION A-A

(MINIMUM WEIGHT 1.9 LBS. PER FT. AFTER GALVANIZING)

OBJECT MARKER PLACEMENT



SECTION A-A

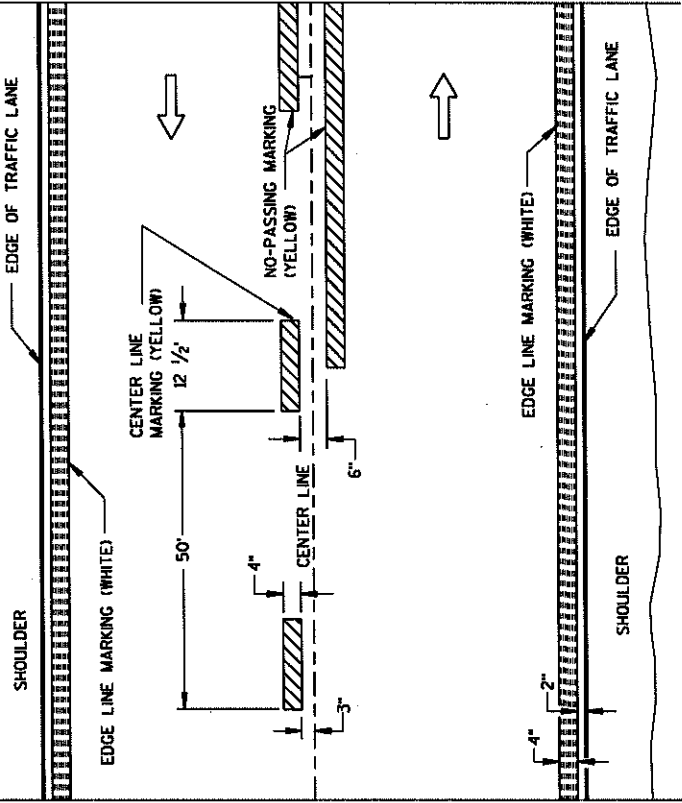
(MINIMUM WEIGHT 1.9 LBS. PER FT. AFTER GALVANIZING)

*OMIT ON ONE-WAY TRAVELLED WAYS

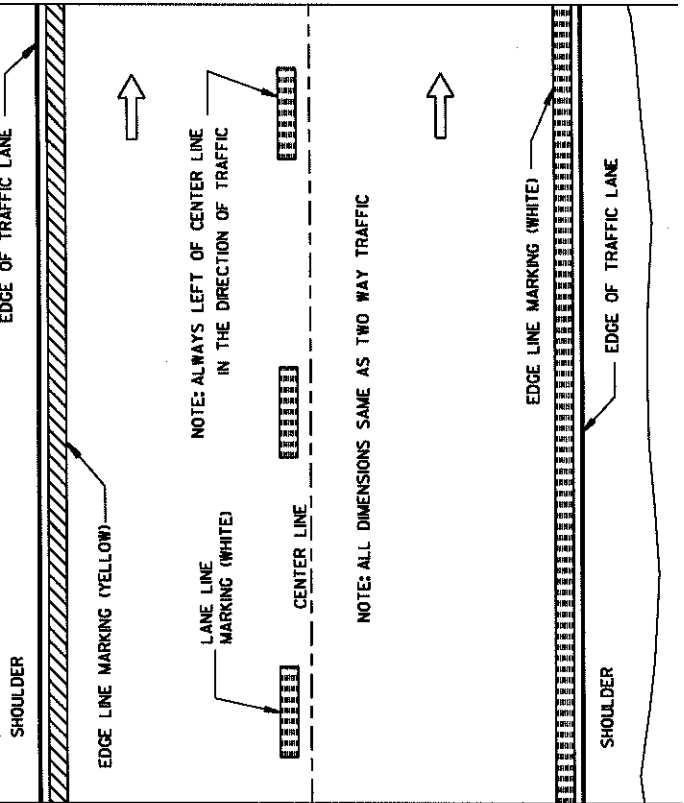
SITUATION 2

WARRANTING CRITERIA:

- 1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
- 2. BRIDGE IS LESS THAN 6 FEET WIDER (ON EACH SIDE) THAN APPROACH TRAVEL LANES.

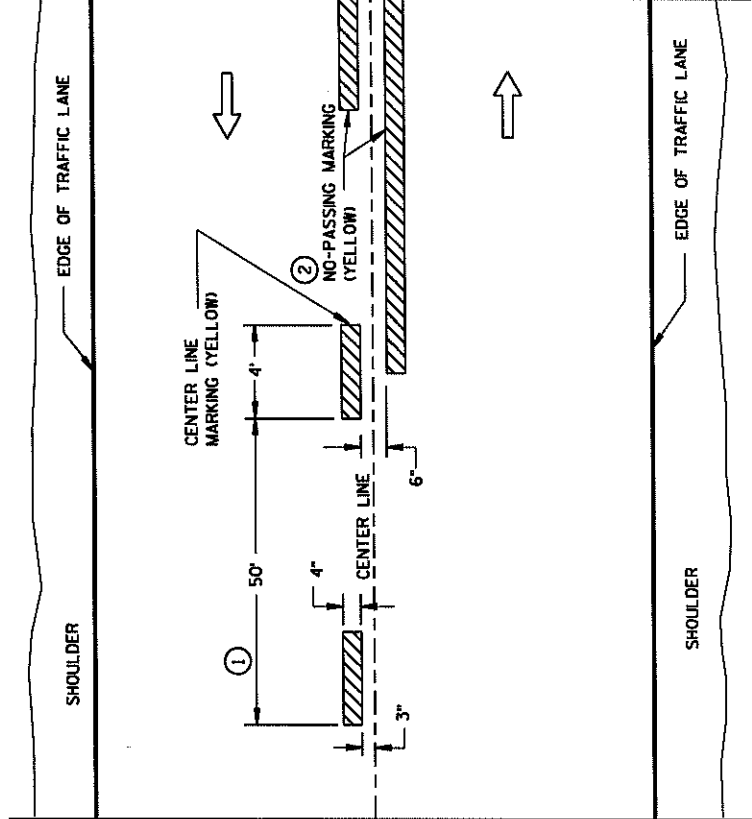


TWO WAY TRAFFIC

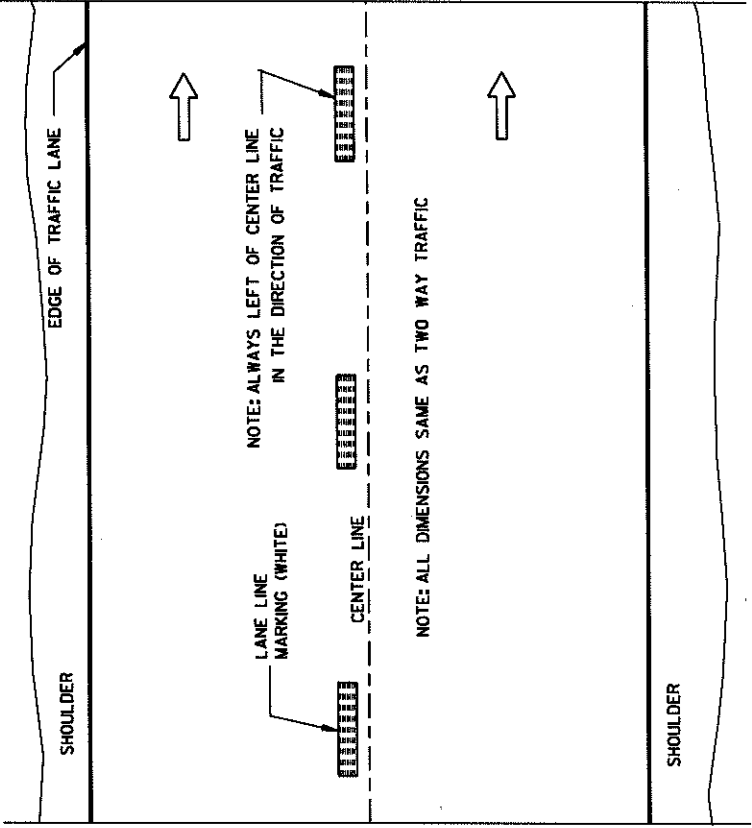


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING (SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- 1 HALF CYCLE LENGTHS (25') WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- 2 NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/6/00
DATE
CHIEF SIGNS AND MARKING ENGINEER
F.H.W.A.

ABBREVIATIONS

F—Fine
Ws—Weathered
M—Medium
C—Coarse
So—Sound

MATERIAL SYMBOLS

Topsoil
Sand
Gravel

Silt
Peat
Clay

Sandstone
Limestone
Igneous Rock

LEGEND OF PROBING

Probing No.
Sta.
Elevation

95/6-95 Blows for 6" Penetration
Probing taken with a 350*wt.
Falling 18" on a 2" O.D. Point.

Refusal 95/6

LEGEND OF BORING

Elev.
Boring No.
Sta.

Unconfined Strength
Blows Per Ft.
Using 140* Wt.
Falling 30"

Wash Sample

Sandy Gravel

F.
Boulders or Cobbles

Sand

Shelby Tube—S.T.

Ground Water
Elevation

No Ground Water
Observed Above
This Elevation

Silty Clay

So
Limestone

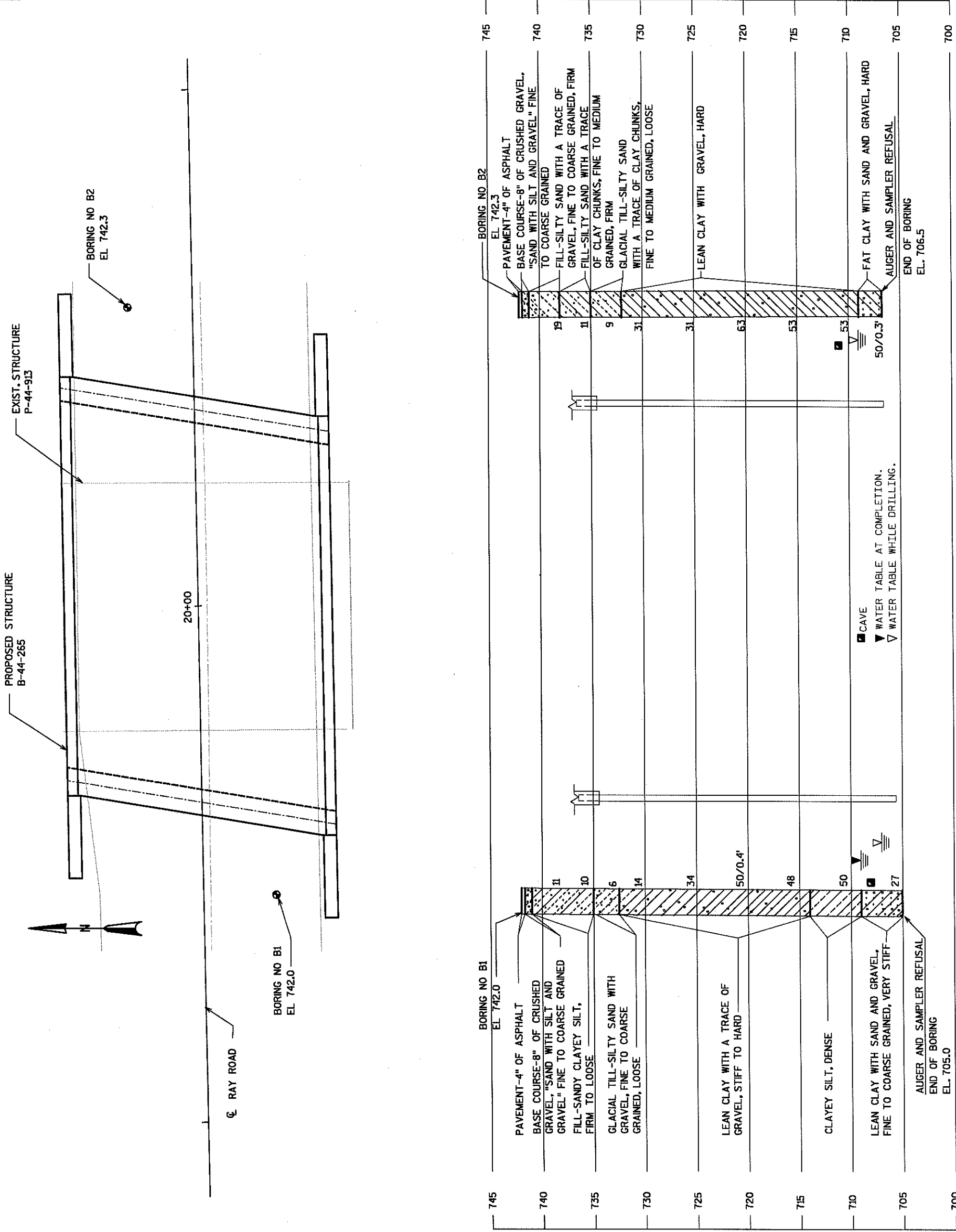
Unless otherwise specified, the blows per foot at the locations indicated are based on driving a 0.0x1.4" I.D. split spoon sampler with a 140* hammer having a free fall of 30". The blow count is taken in undisturbed soil immediately below a cased or open hole eliminating side friction on the drive pipe.

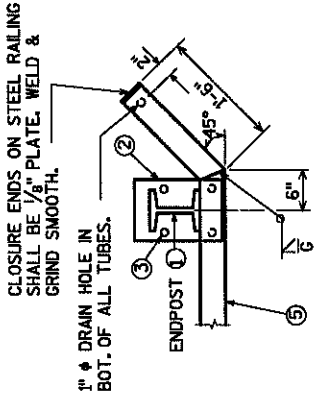
SUBSURFACE EXPLORATION FOR FOUNDATION
DESIGN AND BIDDERS INFORMATION

To obtain relative data concerning the character of material in and upon which the foundation might be built, borings and/or soundings were made at points approximately as indicated on this drawing. The data presented herein represents the findings of the subsurface explorations made. However, because the depths investigated are limited and the area of the borings and/or soundings is very small in relation to the entire area, the Division of Highways does not warrant conditions below the depths investigated or that the classification of material encountered in these investigations is necessarily typical of the entire site.

8

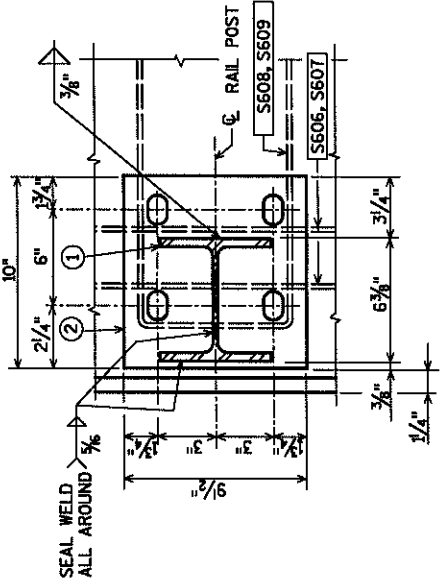
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-44-265			
CONST. SPEC.	2003	DRAWN BY	SSQ
PLANS CKD.			KRO
SUBSURFACE EXPLORATION		SHEET 2 OF 6	
		date: 03/18/20	



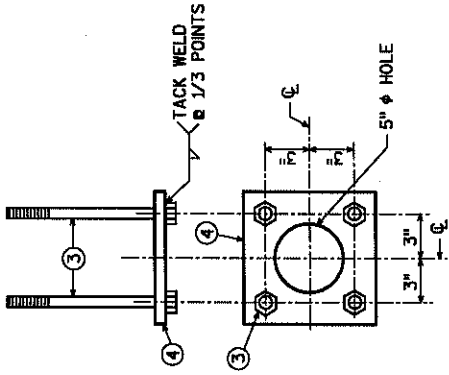


DETAIL FOR END POSTS

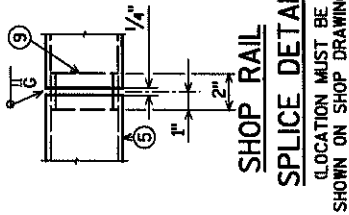
WITHOUT THREE BEAM RAIL ATTACHMENT
(END POST MAY BE LOCATED ON
SUPERSTRUCTURE OR WINGWALLS)



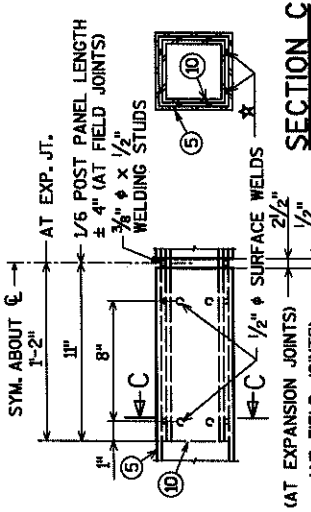
SECTION A



ANCHORAGE DETAIL

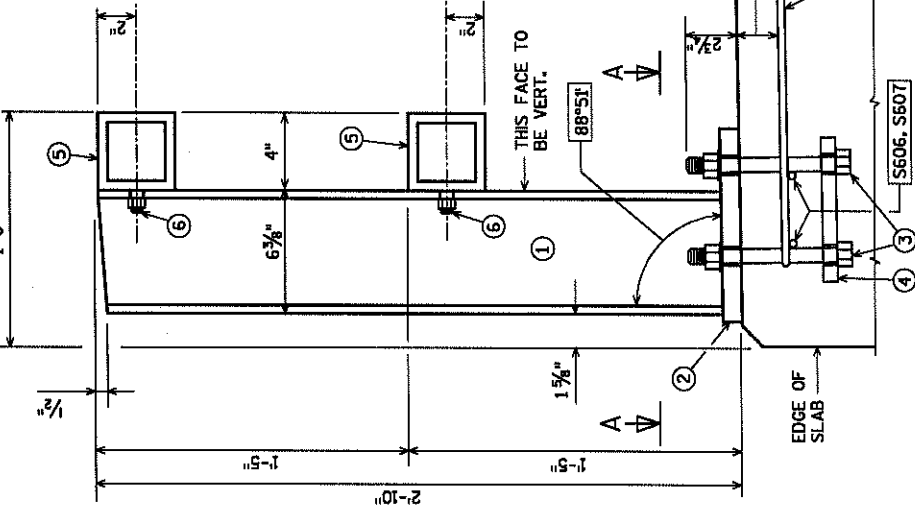


SHOP RAIL
SPLICE DETAIL
LOCATION MUST BE
SHOWN ON SHOP DRAWINGS)

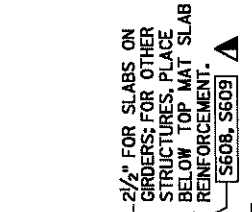


FIELD ERECTION
JOINT DETAIL
MIN 5/8" FLAT SURFACE DIA.
PUNCHINGS OR STUDS MAY BE
USED AS AN ALTERNATE.

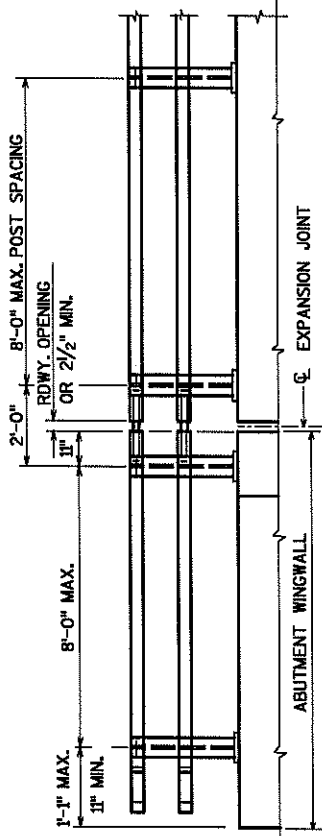
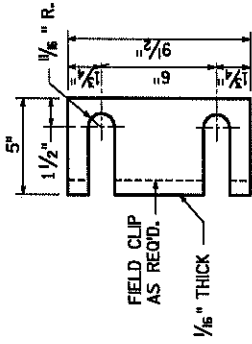
SECTION C



SECTION THRU RAILING ON DECK



POST SHIM
DETAIL
(4 PER POST)



PART ELEVATION OF RAILING

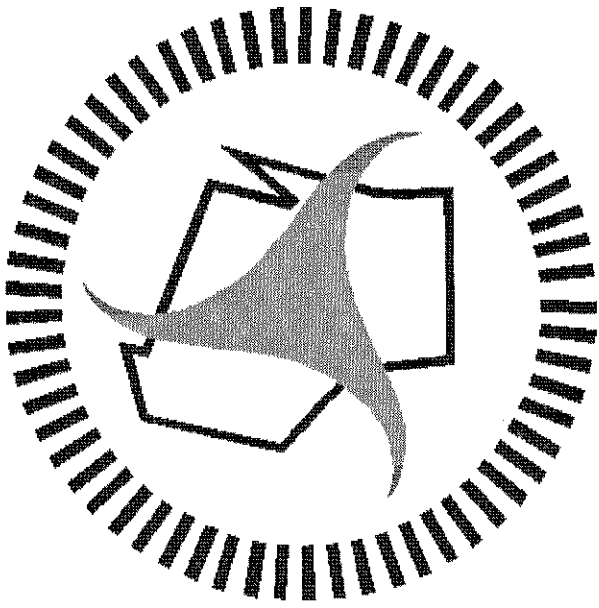
LEGEND

- W6 x 25 WITH 1/4" DIA. HOLES ON EACH SIDE OF POST FOR STUD NO. 6. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY (OR SIDEWALK, AS APPLICABLE). PLACE POST VERTICAL. PLACE POSTS NORMAL TO GRADE LINE.
 - PLATE 1" x 9 1/2" x 10" WITH 1/8" x 1/2" SLOTTED HOLES FOR ANCHOR BOLTS NO. 3. WELD TO NO. 1 AS SHOWN.
 - A325 - 7/8" DIA. HEX BOLTS (GALVANIZED) WITH A325 NUT & WASHER. 14" LONG AT END POSTS AND AT POSTS ON CONCRETE SLAB SUPERSTRUCTURES WHERE THE SLAB THICKNESS IS > 15". USE 8" LONG AT ALL OTHER LOCATIONS. 4 REQ'D. PER POST. THREAD 3" AND PLACE NORMAL TO PLATE NO. 2. CHAMFER TOP OF BOLTS BEFORE THREADING.
 - 1/4" x 8" x 8" FLAT BAR WITH 5/8" DIA. HOLES FOR ANCHOR BOLTS NO. 3.
 - TS 4 x 4 x 0.25 STRUCTURAL TUBING, CONFORMING TO A.S.T.M. DESIGNATION A501 OR A500 GRADE B. ATTACH TO NO. 1 WITH STUDS NO. 6.
 - 5/8" DIA. x 1 1/2" LONG SHOP WELDED STUDS WITH HEX NUT AND 2" WASHERS (2 REQ'D. AT EACH RAIL TO POST LOCATION.)
 - PLATE 3/4" x 1'-4" (3'-7" ON SDWK.) x 1'-8". BOLT TO RAIL AS SHOWN IN DETAIL. REQUIRED AT THREE BEAM GUARD RAIL ATTACHMENTS ONLY. PLACE SYMMETRICALLY ABOUT TUBES NO. 5.
 - 1" DIA. HOLES IN PLATE NO. 7 & TUBES NO. 5 FOR 7/8" DIA. A325 BOLTS W/HEX NUTS AND WASHERS.
 - SQUARE SLEEVE FABRICATED FROM 1/4" PLATE. PROVIDE "SLIDING FIT" WITH A MINIMUM OUT TO OUT DIMENSION OF 3 3/8".
 - TS 3 x 3 x 0.25 x (2'-4" AT EXPANSION JOINTS) & (1'-10" AT FIELD JOINTS) LONG. PROVIDE 1/2" DIA. SURFACE WELDS ON ALL SIDES AS SHOWN. GRIND WELDS TO FIT FREE INTO LD. OF NO. 5. PROVIDE 7/8" DIA. x 1/2" WELDING STUDS ON TOP AND BOTTOM SURFACES AT CENTERLINE.
 - 7/8" DIA. x 1 1/2" LONG THREADED SHOP WELDED STUDS. (REQ'D. FOR SDWK. RAIL ONLY.)
- GENERAL NOTES**
- BID ITEM SHALL BE "TUBULAR RAILING TYPE 'F'", WHICH INCLUDES ALL ITEMS SHOWN.
- RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.
- POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.
- FOR RAILING NOT TO BE PAINTED, ALL MATERIAL EXCEPT ANCHORAGE DETAIL (NO. 4) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS & STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY S.S.P.C. SPECIFICATIONS.
- FOR RAILING TO BE PAINTED, ALL MATERIAL EXCEPT ANCHORAGE DETAIL (NO. 3 & 4) SHALL BE PAINTED WITH A THREE-COAT ZINC RICH EPOXY SYSTEM, PRIOR TO PAINTING. ALL STEEL RAILING POSTS & STEEL TUBING SHALL BE GIVEN A NO. 1 NEAR WHITE BLAST CLEANING BY S.S.P.C. SPECIFICATIONS.
- ALL MATERIALS USED IN FABRICATION SHALL BE MADE FROM MATERIALS CONFORMING TO ASTM A709 GRADE 36 UNLESS NOTED OTHERWISE.
- FILL BOLT SLOT OPENINGS IN POST SHIMS AND PLATE NO. 2 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.
- STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REQ'D. FOR ALIGNMENT.

▲ TIE TO TOP MAT OF STEEL.

NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY			
OMNI ASSOCIATES			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE B-44-265			
CONST. SPEC.	2003	DRAWN BY	SSQ
PLANS CKD.			KRO
TUBULAR STEEL		SHEET 6 OF 6	
RAILING TYPE "F"		date: 03/24	

Notes



Wisconsin Department of Transportation

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through innovation and exceptional service.

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