INCLUDED

PROJECT

THIS

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PERMANENT SIGNS1001

TRAFFIC SIGNALS2001

ITS COMPONENTS3001

LIGHTING4001

ROADWAY STANDARD DWGS6001

BOX CULVERT STD. DRAWINGS (LRFD) 7001

BOX CULVERT STD. DRAWINGS (STD. SPEC.)7501

BRIDGE8001

CROSS SECTIONS9001

BRIDGE STRUCTURES REQ'D.

BOX BRIDGES REQ'D.

NONE

NONE

BEGIN

WITH

SHEET

PROJECT NUMBER

BR-0058-01(037)

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

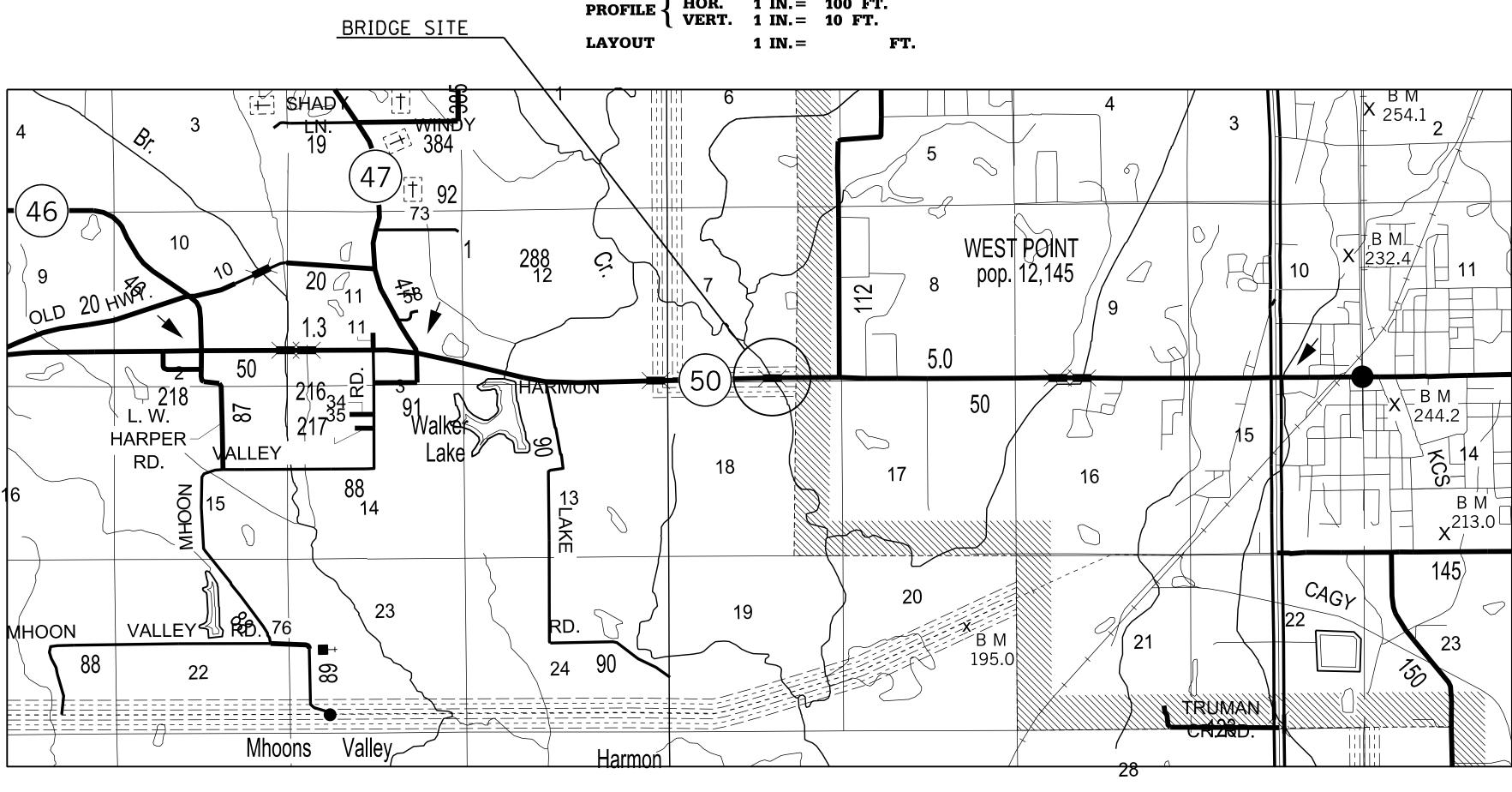
SCALES

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. BR-0058-01(037)

FMS CON. NO. 107860/301000

SR 50 over Chuquatonchee Creek(69.9)

↑ BRIDGE REPAIR BRIDGE SITE



DESIGN CONTROL PERMITS ACQUIRED BY MDOT NATIONWIDE (OTHER)* **GENERAL*** INDIVIDUAL (404)* STORMWATER PERMIT

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE § § §
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

EQUATIONS

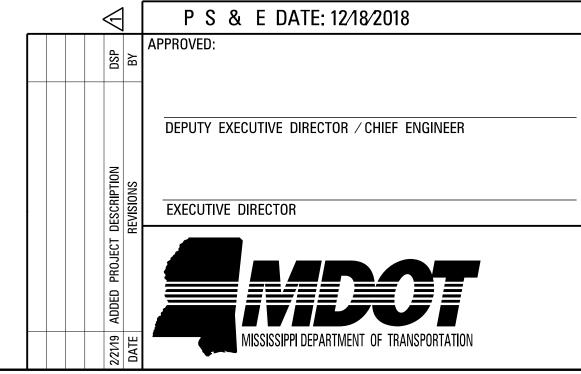
NONE

EXCEPTIONS

NONE

LENGTH DATA

NGTH	OF ROADWAY	FT.	
NGTH	OF BRIDGES	FT.	
NGTH	OF PROJECT (NET)		
NGTH	OF EXCEPTIONS	FT.	
NGTH	OF PROJECT (GROSS)		



STATE MAP

INDICATES APPROXIMATE

(APPROX. MIDDLE OF PROJECT)

REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES) NO STORMWATER PERMIT REQUIRED (<1 ACRE)

MISS.

PROJECT NO.

BR-0058-01(037)

1st O.REV.

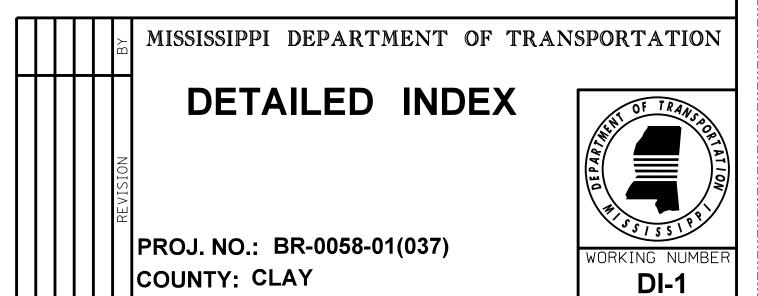
WKG. NO. SH. DESCRIPTION OF SHEET

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TITLE SHEET (1)		
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QUANTITY SHEETS (1)		
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SPECIAL DESIGN SHEETS (2)		
SPECIAL DESIGN SHEETS (2)		
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TOTAL SHEETS (NOT INCLUDING BRIDGE SHEETS) (24)		

GENERAL NOTES

- 1) THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFICCONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
- ② ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
- ③ ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
- 4 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING STRUCTURES SUCH AS, BUT NOT LIMITED TO, PIPES, INLETS, APRONS, AND BRIDGES FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
- (5) FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED ON THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.
- 6 REMOVAL OF RAISED PAVEMENT MARKERS THAT ARE IN CONFLICT WITH REQUIRED CONSTRUCTION IS NOT CONSIDERED A SEPARATE PAY ITEM. COST TO BE ABSORBED IN OTHER ITEMS BID.
- ① ALL ITEMS OF WORK ASSOCIATED WITH THE INSTALLATION OF A CONSTRUCTION ENTRANCE SHALL BE ABSORBED IN OTHER ITEMS OF WORK.
- (8) ALL ADDENDA TO THESE PLANS WILL BE POSTED TO <u>WWW.MDOT.MS.GOV</u> UNDER THE PROPOSAL ADDENDA COLUMN.
 BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NOT BE MAILED.
 IT IS THE BIDDER'S RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT.
- (9) STORAGE OF FLAMMABLE MATERIALS WILL NOT BE ALLOWED UNDER ANY BRIDGE STRUCTURES.

PS & E PLANS-DATE 12/18/2018				
FM:	S CON. #107860/301000	ď		
	REVISIONS			
DATE	SHEET NO.	BY		
2/21/19	1, 2, 3	DSP		



FILENAME: RWD-DI-50

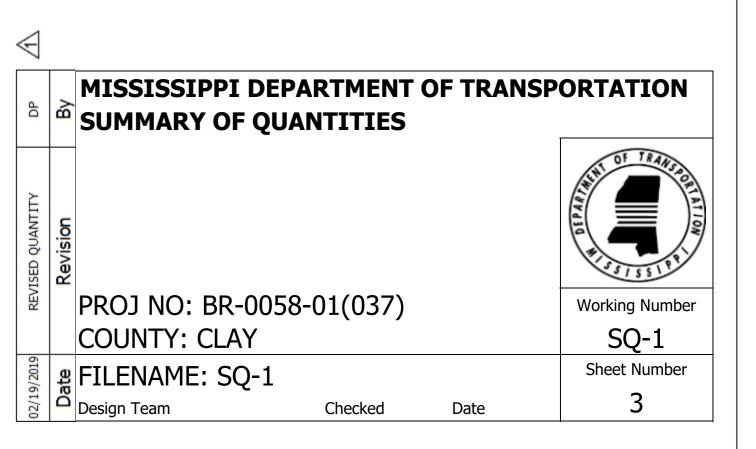
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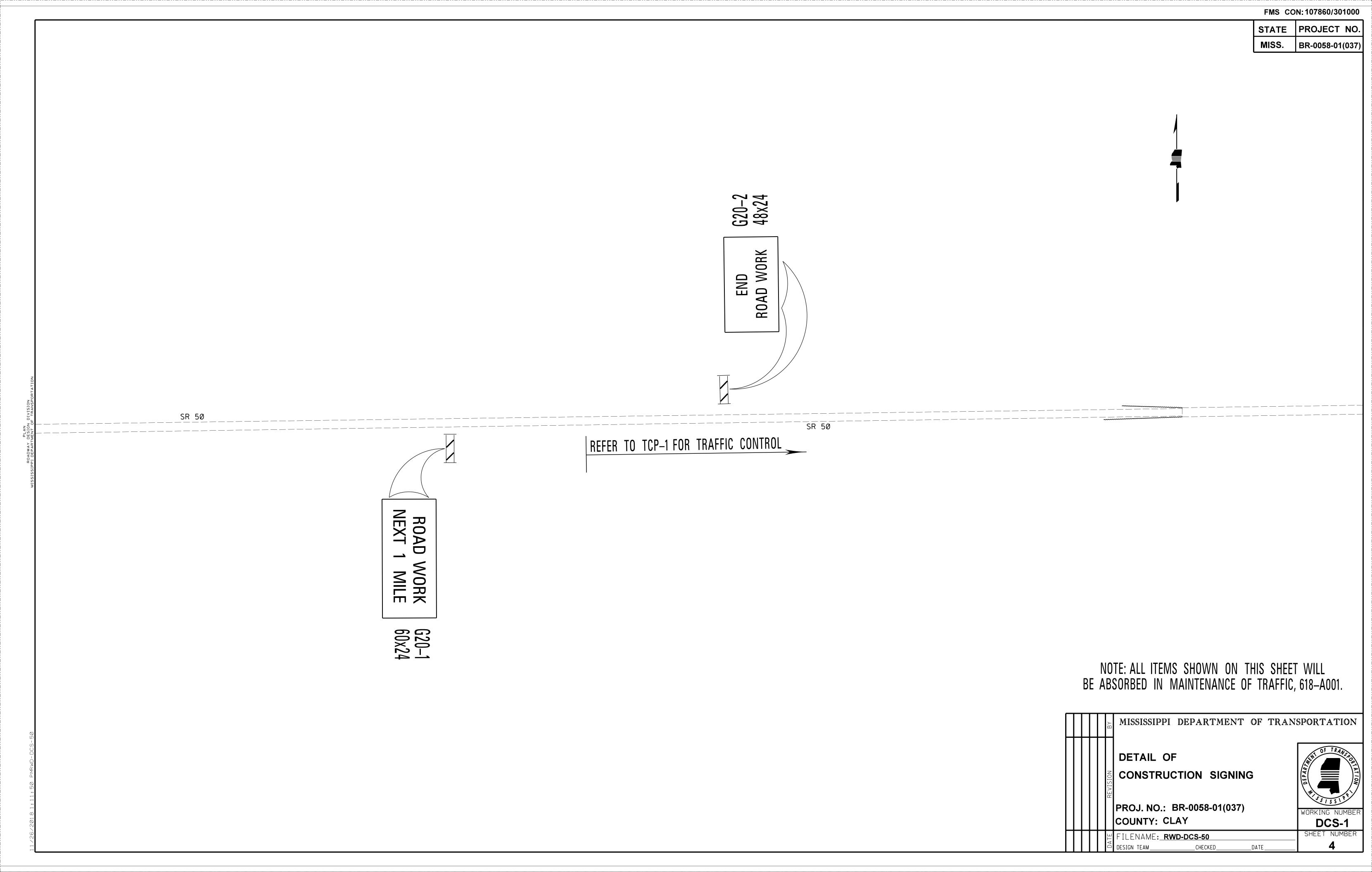
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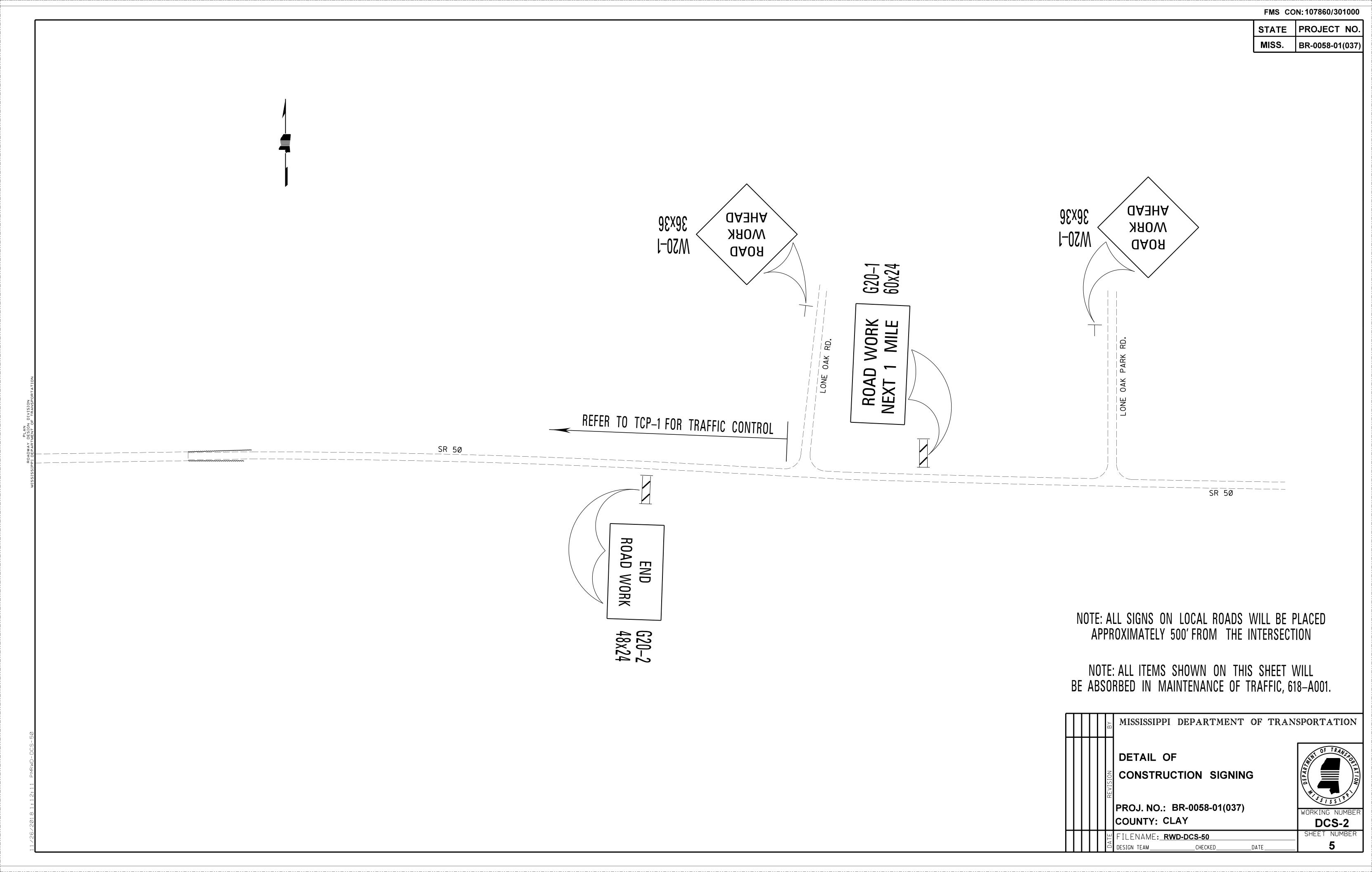
STATE PROJECT NO.
MISS BR-0058-01(037)

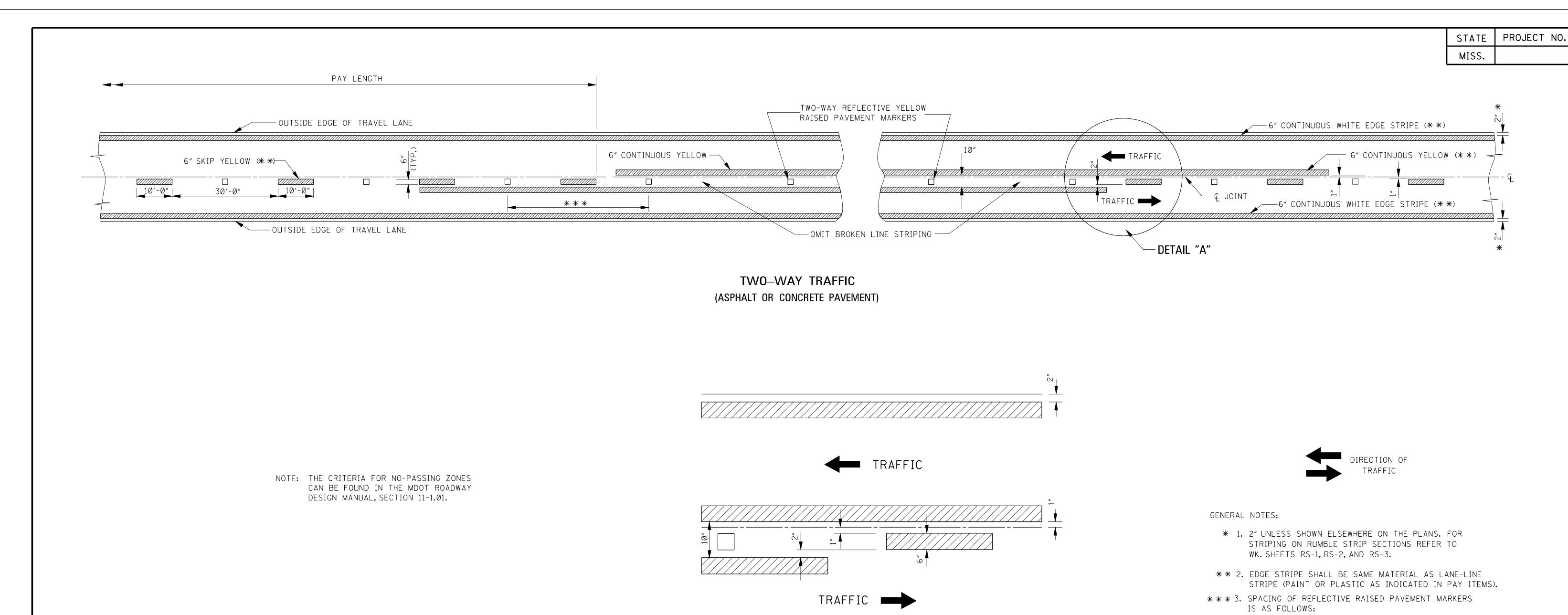
	SUMMARY OF QUANTITIES (SHEE	T 1)			
PAY ITEM NO.	PAY ITEM	UNIT	CLAY: 107860-301000		
PATTIEM NO.	PATTICM	OINTI	Prelim	Final	
234-A001	Temporary Silt Fence	LF	180		
618-A001	Maintenance of Traffic	LS	1		
618-B001	Additional Construction Signs	SF	1		
620-A001	Mobilization	LS	1		
907-808-A002	Joint Repair	LF	1,108		
815-A007	Loose Riprap, Size 300	TON	730		<u>/1</u>
815-E001	Geotextile under Riprap	SY	540		<u>/1</u>
907-823-A001	Preformed Joint Seal, Type I	LF	554		
907-823-B001	Saw Cut, Type I	LF	1,108		
907-824-PP005	Bridge Repair, Epoxy Repair, Per Plans	CF	35		
907-824-PP006	Bridge Repair, Bearing Plate Replacement, Per Plans	EA	8		
907-824-PP006	Bridge Repair, Steel Pile Connecting Angles, Per Plans	EA	104		
907-824-PP006	Bridge Repair, Riser Repair Plates, Per Plans	EA	14		
907-824-PP006	Bridge Repair, Cap Cleaning, Per Plans	EA	22		
907-824-PP006	Bridge Repair, Exterior Girder Support Plates, Per Plans	EA	7		
907-824-PP006	Bridge Repair, Interior Girder Support Plates, Per Plans	EA	6		
907-845-A001	Coating Existing Structural Steel	LS	1		

1st O.REV.

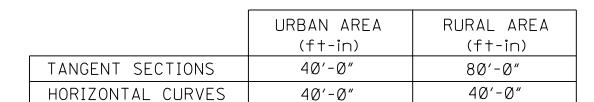








DETAIL "A"



INTERCHANGE LIMITS

SSUE DATE:_

+ NOTE: ON THE MAIN FACILITY, REFLECTIVE RED-CLEAR RAISED PAVEMENT MARKERS ON A 40'-0" SPACING WILL BE REQUIRED ON LANE-LINE(S) THROUGH ALL INTERCHANGE AREAS BEGINNING 1000' IN ADVANCE (IN DIRECTION OF TRAFFIC) OF THE EXIT RAMP TAPER AND CONTINUING THROUGH THE INTERCHANGE TO THE END OF THE ENTRANCE RAMP TAPER.

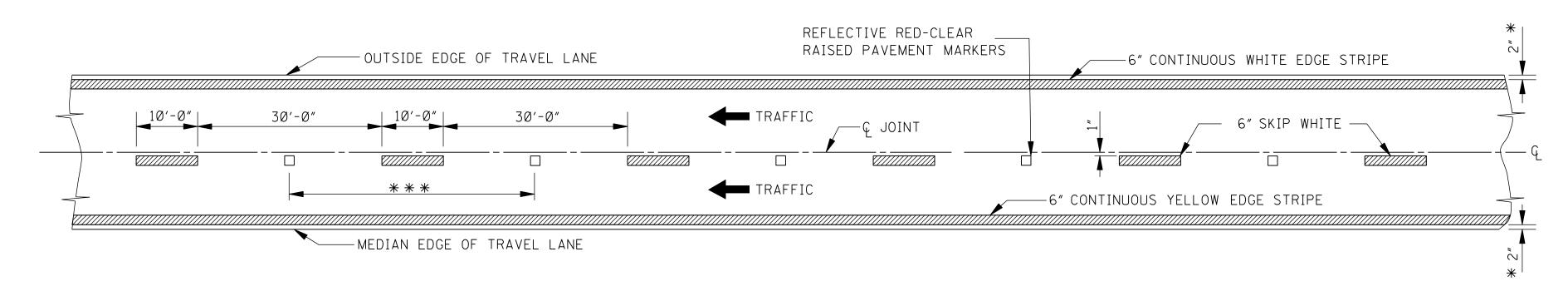
40'-0"

+ 40'-0"

6Ø51

4. PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE REFLECTIVE RAISED PAVEMENT MARKERS AS LISTED IN THE MDOT "APPROVED SOURCES OF MATERIALS."





4-LANE WITH ONE-WAY TRAFFIC

PROJECT NO. STATE MISS.

GENERAL NOTES:

- 1. "J-HOOK" CONFIGURATION SILT FENCE APPLICATIONS SHOULD BE USED IN CONJUNCTION WITH PERIMETER SILT FENCE WHEN STORMWATER RUNOFF IS IN TWO DIRECTIONS (DOWN A FILL SLOPE AND DOWN GRADIENT ALONG THE RIGHT-OF-WAY).
- 2. "SMILE CONFIGURATION" APPLICATIONS SHOULD BE USED AS PERIMETER SILT FENCE WHEN THERE IS ONE-DIRECTIONAL FLOW DOWN A SLOPE.
- 3. SAND BAGS CAN BE USED AS DIVERSION BERMS TO PREVENT SEDIMENT FROM BEING WASHED ONTO OR ACROSS HARD SURFACES, OR TO HELP SLOW SHEET FLOW VELOCITY WHEN DRAINING AWAY FROM HARD SURFACES.
- 4. FOR SHORTER SLOPES AND/OR SLOPES THAT ARE LESS STEEP, DIVERSION BERMS CAN BE USED TO SAFELY CONVEY STORMWATER AWAY FROM OR AROUND A DENUDED AREA. THEY CAN BE CONSTRUCTED USING MANUFACTURED SILT DIKE OR BY CONSTRUCTING A TEMPORARY EARTH BERM AND TRENCH WITH GEOTEXTILE OR POLYETHYLENE SHEETING PROTECTION.
- 5. TEMPORARY DEWATERING STRUCTURES CAN BE USED DURING CULVERT CONSTRUCTION, STREAM DIVERSIONS, OR OTHER CONSTRUCITON ACTIVITIES WHERE TURBID WATERS NEED TO BE CLARIFIED BEFORE RELEASE.
- 6. THE ABUTMENT SLOPE TOE BERM SHALL BE 3 FT. TALL. THE BERM MAY BE CONSTRUCTED WITH ROCK IN ACCORDANCE WITH REQUIREMENTS FOR ROCK DITCH CHECKS ON WK. NO. ECD-8 OR WITH SOIL IN ACCORDANCE WITH WK. NO. BAS-A. IF BERM IS USED, IT MUST BE GRASSED.

TEMPORARY BRUSH -BARRIER SEE WK. NO. ECD-2.

FOR INLET PROTECTION SEE WK. NO. ECD-11

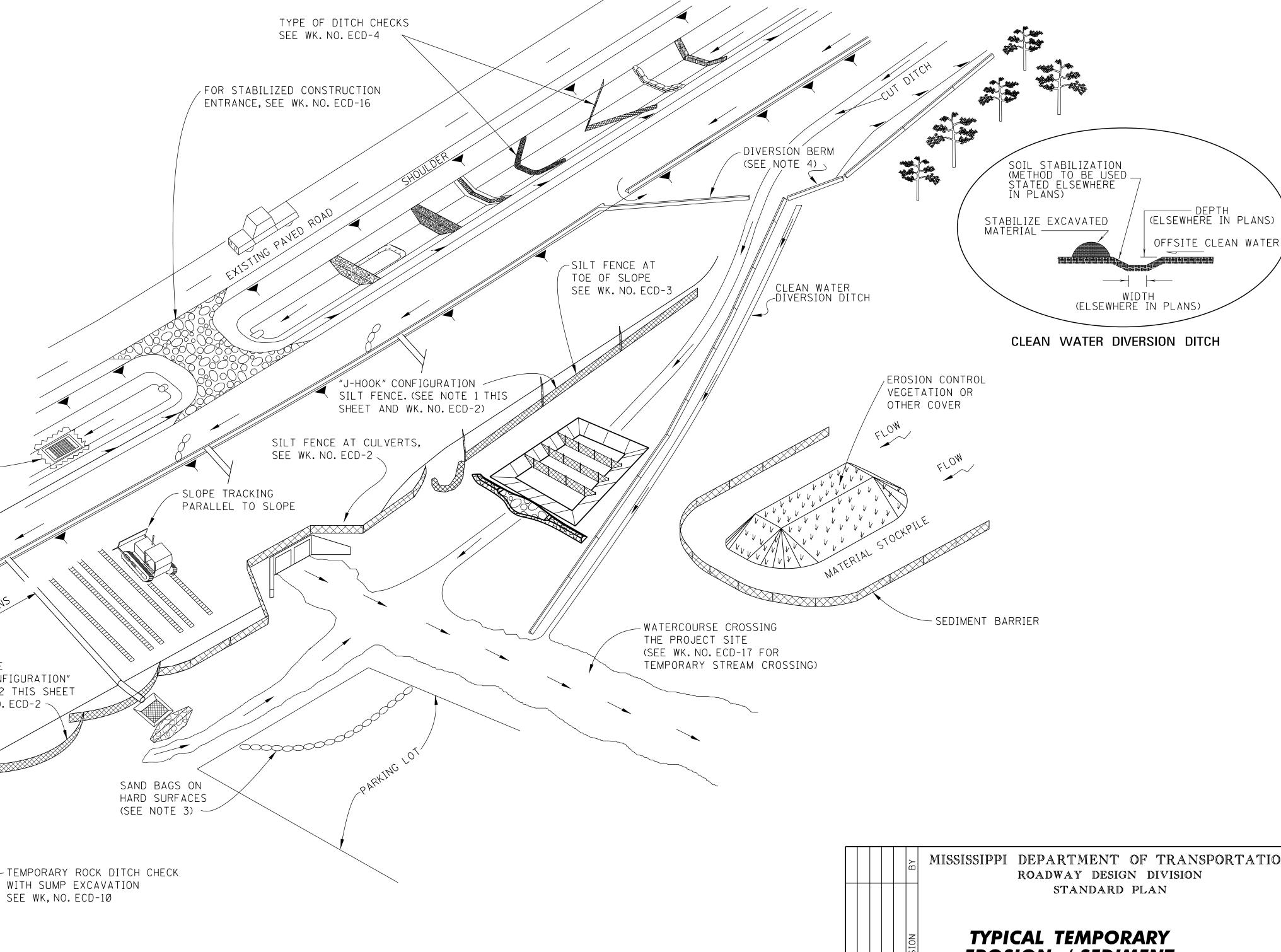
TEMPORARY EARTH BERM

SILT FENCE

"SMILE CONFIGURATION"

SEE NOTE 2 THIS SHEET AND WK. NO. ECD-2

AND SLOPE DRAINS SEE WK. NO. BAS-A. -



ABUTMENT SLOPE TOE BERM SEE NOTE 6.—

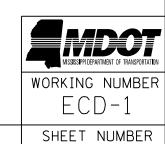
FOR TURBIDITY CURTAIN

SEE WK. NO. ECD-20

FOR TEMPORARY STREAM CROSSING SEE WK. NO. ECD-17.

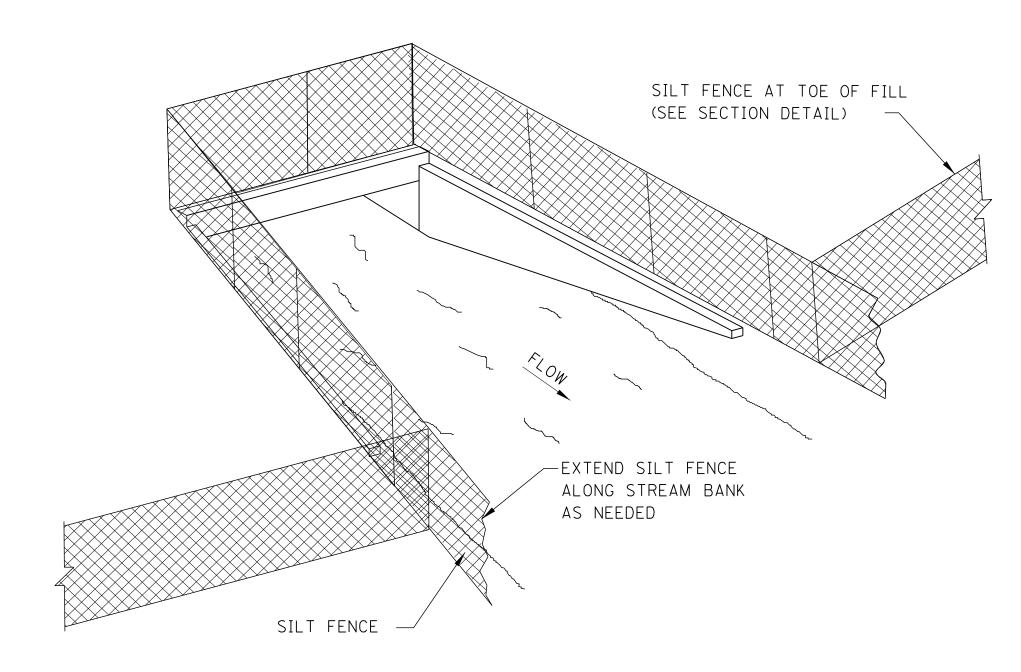
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

EROSION / SEDIMENT CONTROL APPLICATIONS

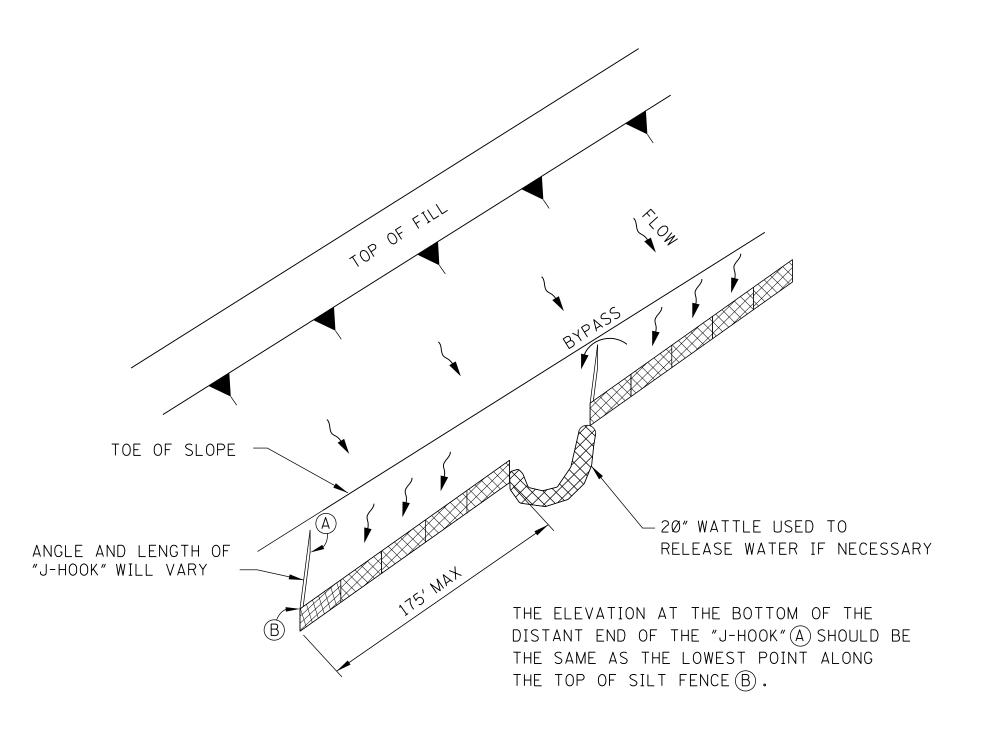


61Ø1

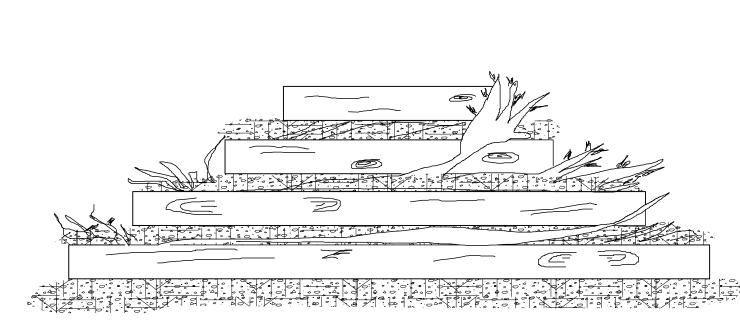
AUGUST Ø1,2017 SSUE DATE:___



SEDIMENT BARRIER AT CROSS DRAIN



"J-HOOK" SILT FENCE APPLICATION



GROUND LINE

GROUND LINE

GROUND LINE

SIDE ELEVATION

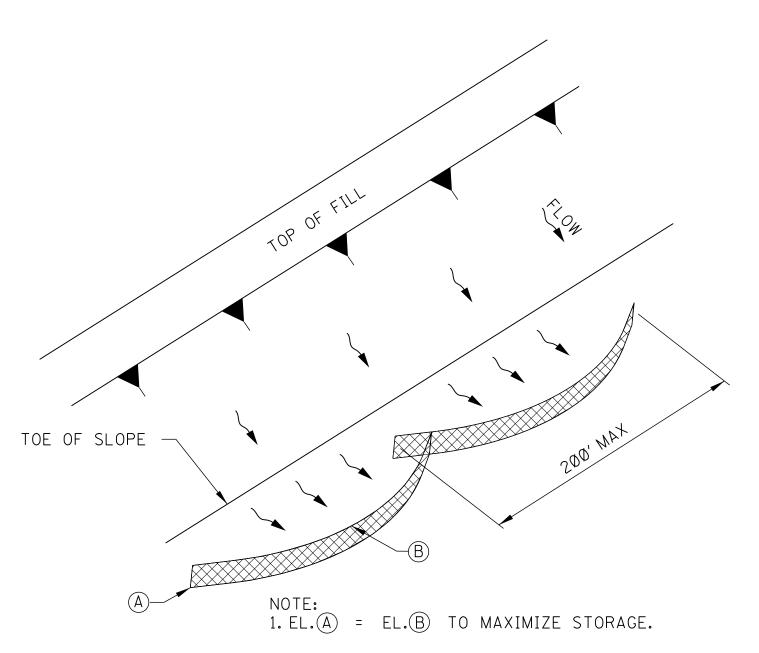
FRONT ELEVATION

TEMPORARY BRUSH BARRIER

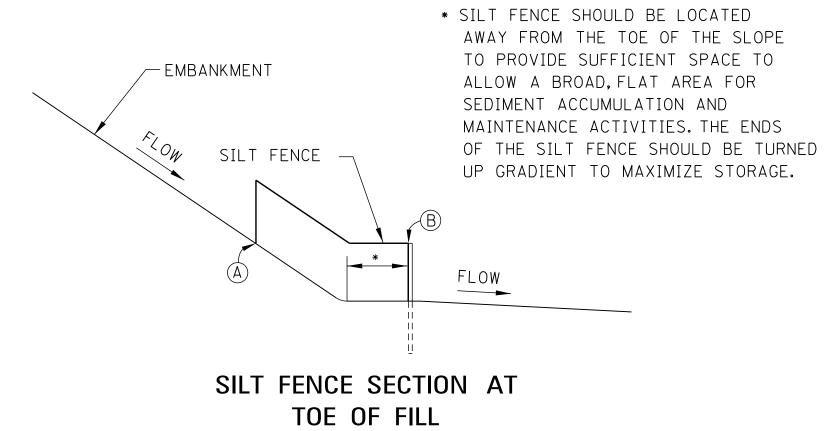
NOTES:

- . BRUSH BARRIER MAY BE USED WHERE NATURAL GROUND IS LEVEL OR SLOPING AWAY FROM PROJECT.
- 2. PLACE BRUSH, LOG AND TREE LAPS APPROXIMATELY PARALLEL TO TOE OF FILL SLOPE WITH SOME OF THE HEAVIER MATERIALS BEING PLACED ON TO TO PROPERLY SECURE THE BARRIER AS DETAILED AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED OR PERMITTED BY THE ENGINEER.
- 3. TO ALLOW WATER TO SEEP THROUGH BRUSH BARRIER, INTERMINGLE THE BRUSH, LOG AND TREE LAPS SO AS NOT TO FORM A SOLID DAM.
- 4. THE BRUSH BARRIER MAY BE CHOKED WITH FILTER FABRIC. THE COST OF FABRIC TO BE INCLUDED IN OTHER ITEMS BID.
- 5. TEMPORARY BRUSH BARRIER WILL NOT BE MEASURED FOR SEPARATE PAYMENT.

NOTE: ANCHOR AND INSTALL SILT FENCE PER DETAILS SHOWN ON WK. NO. ECD-3



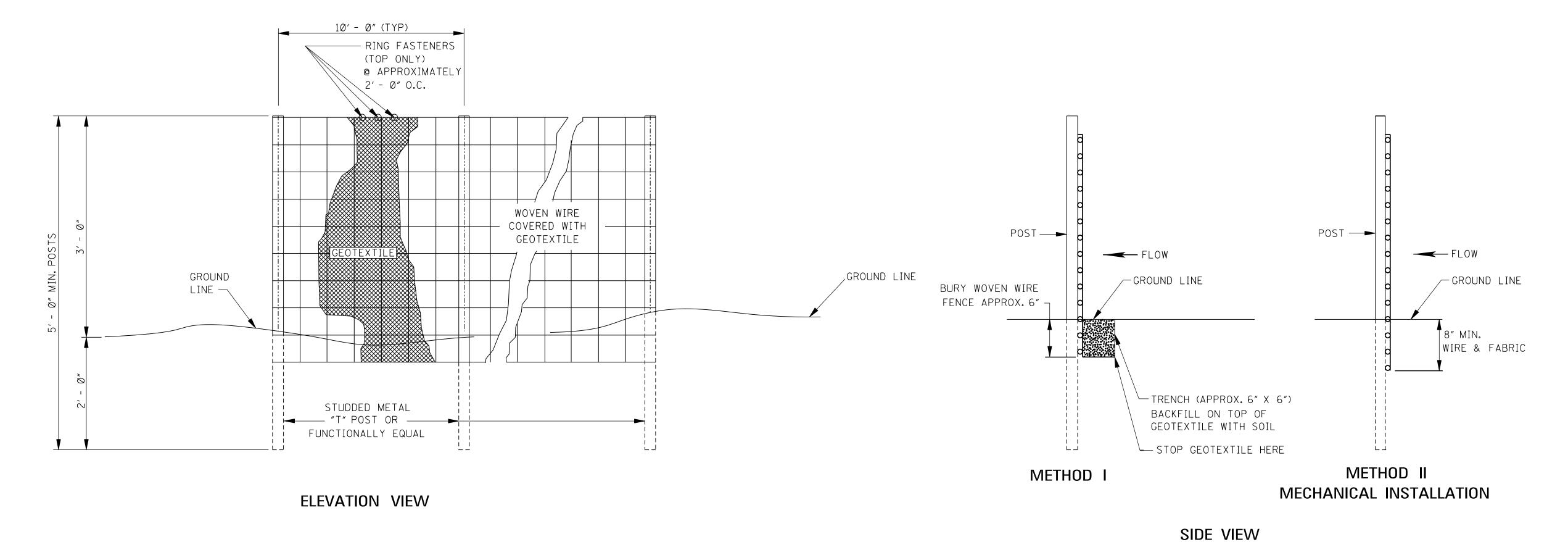
"SMILE-CONFIGURATION" SILT FENCE APPLICATION



MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN

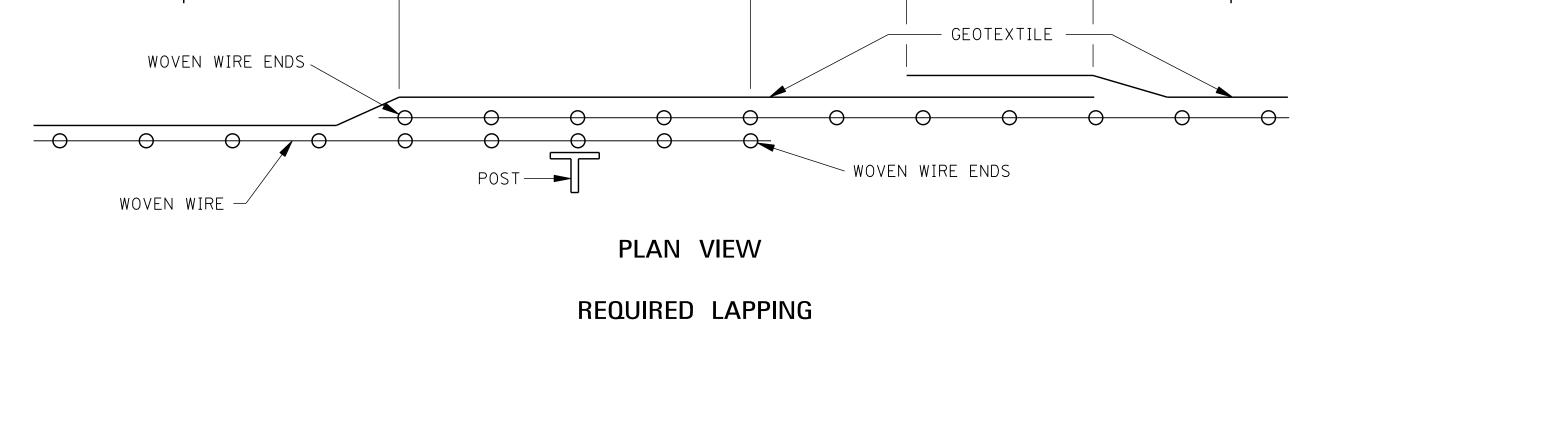
DETAILS OF SEDIMENT BARRIER APPLICATIONS





GENERAL NOTES:

- 1. SILT FENCES SHOULD BE USED IN AREAS WHERE FLOW IS NOT SEVERE.
- 2. SILT FENCES ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHOULD BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STEAMS AND CHANNELS.
- 3. SILT FENCE SHOULD BE PLACED WELL INSIDE RIGHT-OF-WAY AND ALONG EDGE OF CLEARING LIMITS.
 THIS WILL ALLOW ROOM FOR BACK-UP FENCE IF FIRST FENCE BECOMES FULL.
- 4. WHENEVER POSSIBLE SILT FENCE SHOULD BE CONSTRUCTED ACROSS A LEVEL AREA IN THE SHAPE OF A SMILE. THIS AIDS IN PONDING OF RUNOFF AN FACILITATES SEDIMENTATION.
- 5. THE CONTRACTOR MAY ELECT TO USE EITHER METHOD I OR METHOD II. COST TO BE LINEAR FEET OF SILT FENCE.
- 6. METHOD II INSTALLATION SHALL BE ACCOMPLISHED USING AN IMPLEMENT THAT IS MANUFACTURED FOR THE APPLICATION AND PROVIDES A CONFIGURATION MEETING THE REQUIREMENTS OF DETAIL.
- 7. WIRE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
- 8. GEOTEXTILE FABRIC MEETING THE TYPE II MATERIAL REQUIREMENTS AND INSTALLED ACCORDING TO SPECIFICATION MAY BE USED WITHOUT WIRE FENCE.



2'- 0" WIRE OVERLAP AT POST

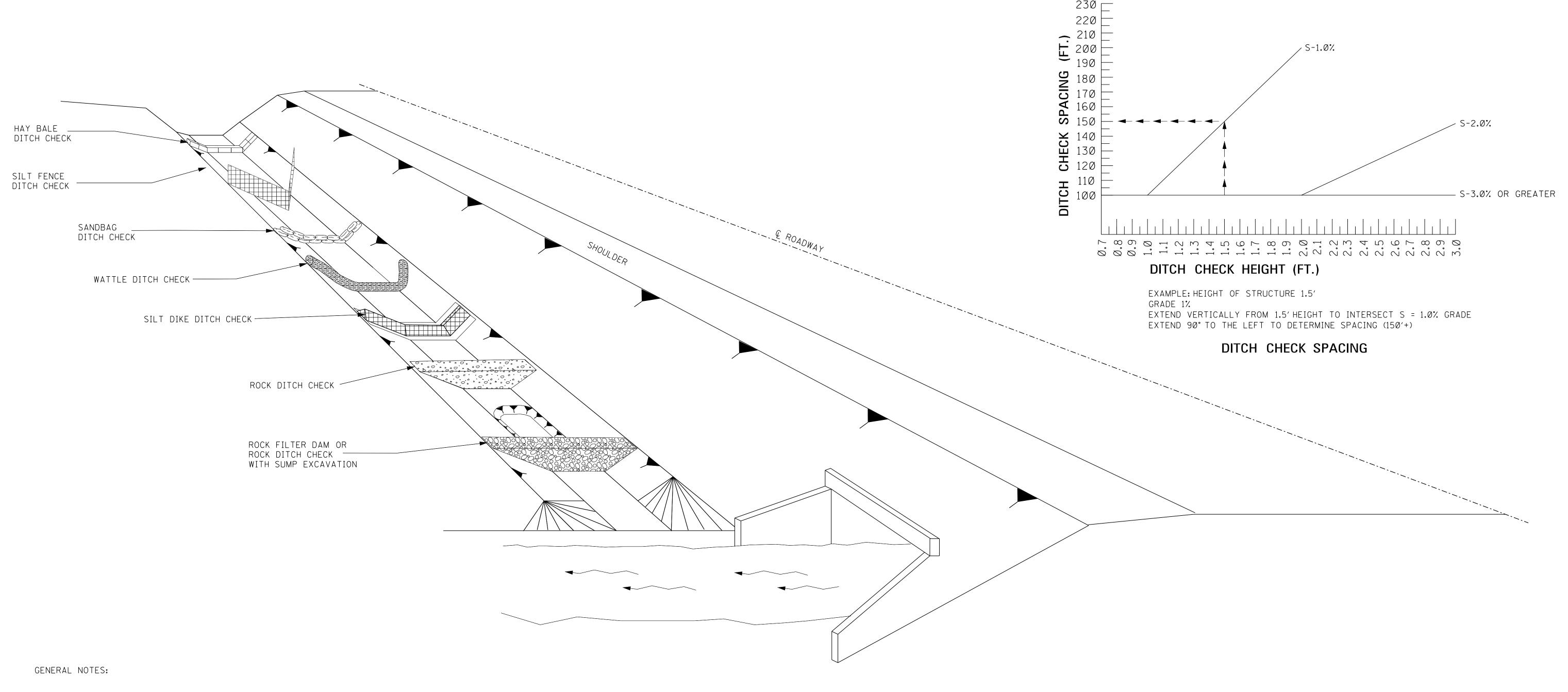
(USE 3-FASTENERS MIN.)

1' - Ø" OVERLAP

(USE TWO

FASTENERS MIN.)





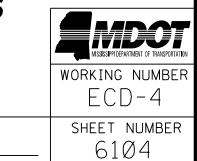
- THE DITCH CHECK PERSPECTIVE ILLUSTRATES A TOOL BOX OF TEMPORARY PRACTICES THAT MAY BE USED. DITCH CHECKS ARE INSTALLED TO CONTROL RUNOFF VELOCITY AND THUS REDUCE EROSION AND PROVIDE FOR TRAPPING OF SEDIMENTS.
- 2. SELECTION OF THE APPROPRIATE DITCH CHECK SHOULD BE A FUNCTION OF CONSTRUCTION PHASE, DRAINAGE AREA, DITCH GRADIENT, SOIL TYPE, ECONOMY AND SAFETY.
- 3. DITCH CHECKS CAN BE REMOVED FOR MAINTENANCE AND/OR REPLACEMENT BUT MUST REMAIN IN PLACE UNTIL UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED. MAINTENANCE INCLUDES REMOVAL OF SEDIMENT BEGINNING WHEN SEDIMENT ACCUMULATION REACHES 1/3 THE CAPACITY OR HEIGHT OF THE STRUCTURE AND NEVER ALLOWING FOR SEDIMENT TO ACCUMULATE MORE THAN 1/2 THE VOLUME OR HEIGHT OF THE DITCH CHECK STRUCTURE.
- 4. HAY BALES SHOULD BE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
- 5. SILT FENCE DITCH CHECKS SHOULD BE USED WHERE IT HAS BEEN DETERMINED THAT HAY BALE CHECKS ARE INADEQUATE. SILT FENCE DITCH CHECKS SHOULD BE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
- 6. SANDBAG DITCH CHECKS SHOULD BE USED FOR VELOCITY REDUCTION AND MINIMAL SEDIMENT TRAPPING IN CONCRETE PAVED DITCHES OR IN DITCHES THAT HAVE ROCK BOTTOMS.

- 7. WATTLE DITCH CHECKS CAN BE USED FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.
- 8. SILT DIKES CAN BE USED IN DITCHES WITH CONCENTRATED FLOWS WITHIN THE CLEAR ZONE WHERE RIPRAP CAN NOT BE USED. AS CONSTRUCTION PROGRESSES.
- 9. ROCK DITCH CHECKS WITH SUMP EXCAVATION CAN BE PLACED IN DITCHES TO ASSURE ON-SITE SEDIMENT TRAPPING REQUIREMENTS ARE MET. DITCH CHECK WITH SUMP EXCAVATION IS USED WHEN DITCHES RECEIVE DRAINAGE FROM CUT OR FILL SLOPES OR OTHER CRITICAL AREAS WHERE SOIL EROSION IS EXPECTED. DRAINAGE AREA FOR A TEMPORARY SEDIMENT TRAP SHOULD BE LIMITED TO 3 ACRES. THEY CAN BE USED IN SERIES TO INCREASE ON-SITE SEDIMENT TRAPPING EFFICIENCY.
- 10. DITCH CHECKS, IN NO CASE, SHALL BE PLACED IN LIVE STREAMS.
- 11. CONFIGURATION AND SPACING MAY BE ADJUSTED IF APPROVED BY THE ENGINEER TO ACCOMMODATE TRAVELWAY SAFETY, WATER FLOW, OR SOIL AND INSTALLATION CHALLENGES.

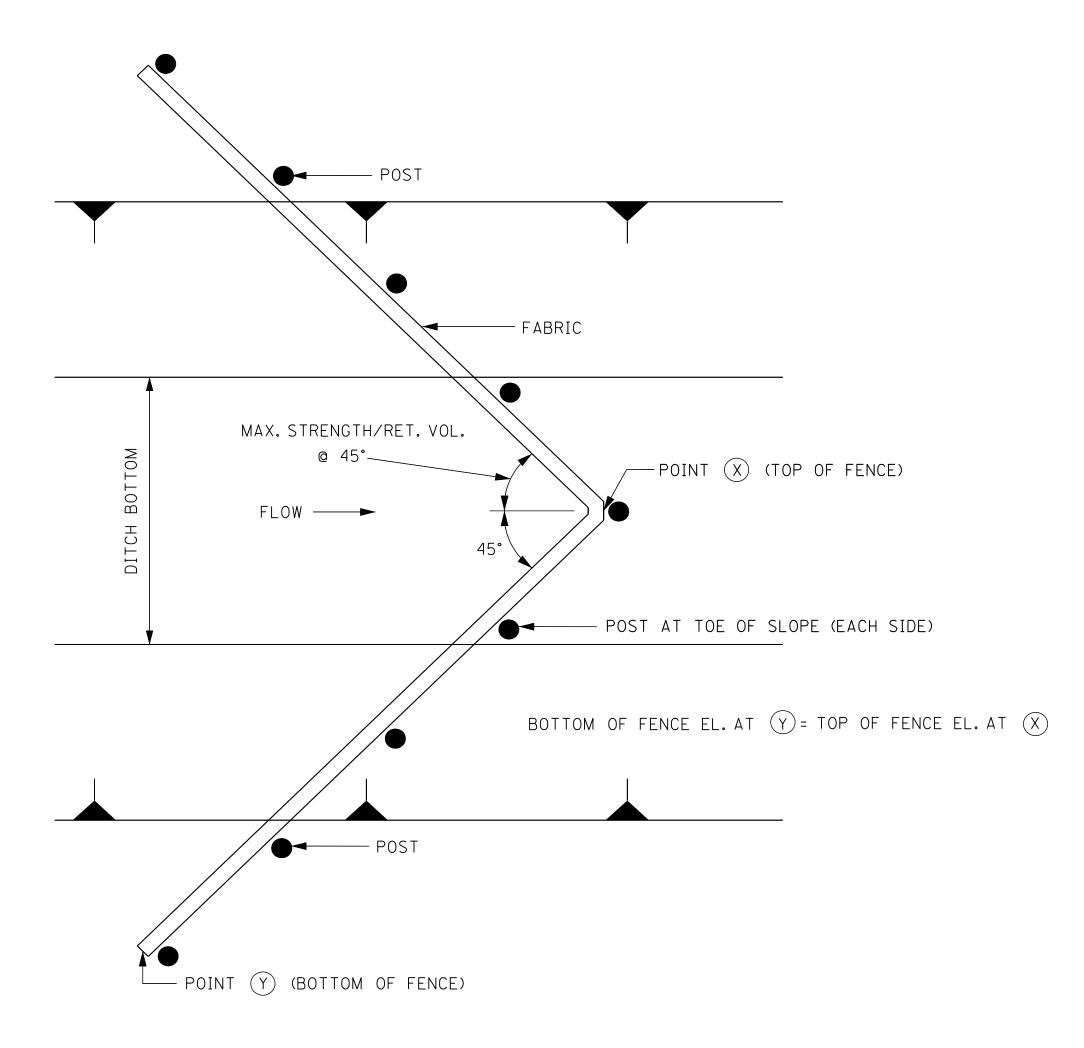


DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS

ISSUE DATE: AUGUST Ø1, 2017



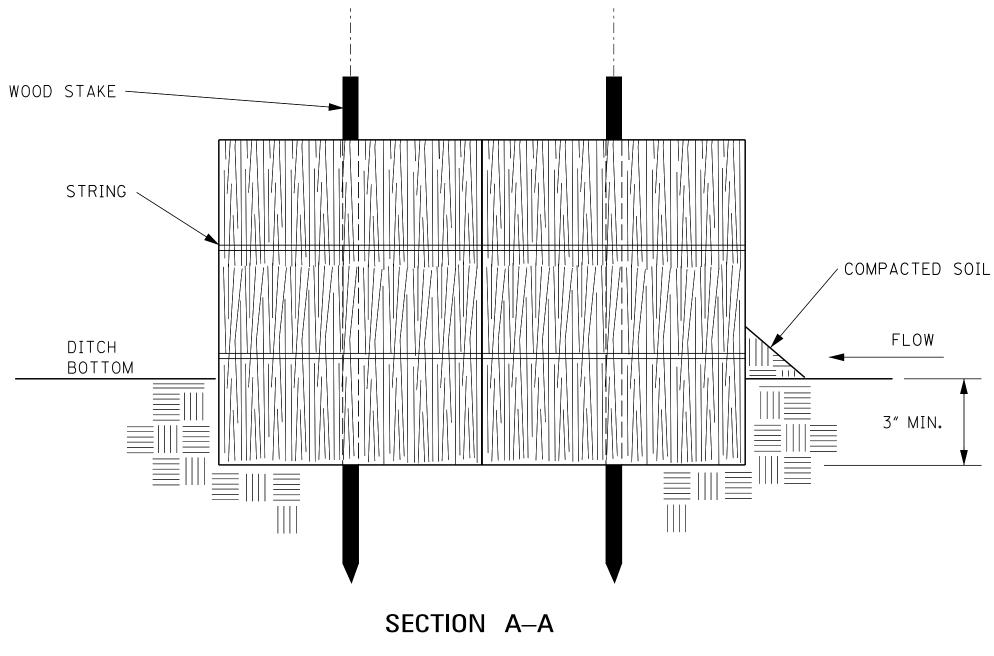
PROJECT NO. MISS.



PLAN VIEW

NOTES:

- ANCHOR AND INSTALL PER DETAILS FOR SILT FENCE SPACING GUIDELINES ON WK. NO. ECD-4.
- 2. A "W" SHAPE MAY BE USED FOR WIDER DITCHES.



BALES SHALL BE TIGHTLY Image: I ABUTTING WITH NO GAPS /FLOW LINE BALE(S) — ONE OR MORE BALES IN CHANNEL BED TIGHTLY ABUTTING EACH OTHER **У/♠**У/**∳**/\ OVERLAP BALES ALTERNATIVE LOCATION OF FLOW LINE BALES ——— PLAN VIEW TRAPEZOIDAL DITCH — ANGLE STAKES TOWARD END POINTS "A" SHALL BE HIGHER DITCH THAN FLOW LINE POINT "B" ADJACENT BALE ВОТТОМ —

PROFILE VIEW

TRAPEZOIDAL DITCH

NOTES:

- 1. SILT FENCE DITCH CHECKS SHOULD BE USED WHERE IT HAS BEEN DETERMINED THAT HAY BALE CHECKS ARE INADEQUATE. SILT FENCE DITCH CHECKS SHOULD BE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
- 2. HAY BALES SHOULD BE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
- 3. MINIMUM RECOMMENDED CHECK SPACING IS 100 FEET UNLESS SHOWN OTHERWISE ON THE PLANS
- 4. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. A MINIMUM OF TWO STAKES PER BALE IS REQUIRED. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
- 5. BALES SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 3 INCHES.
- 6. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. THE BALES SHALL BE PLACED WITH BINDINGS PARALLEL TO THE GROUND.
- 7. SOIL IS COMPACTED ALONG THE BASE OF THE UPSTREAM FACE TO PREVENT PIPING.
- 8. MULTIPLE ADJACENT ROWS OF BALES ARE REQUIRED AS SHOWN.

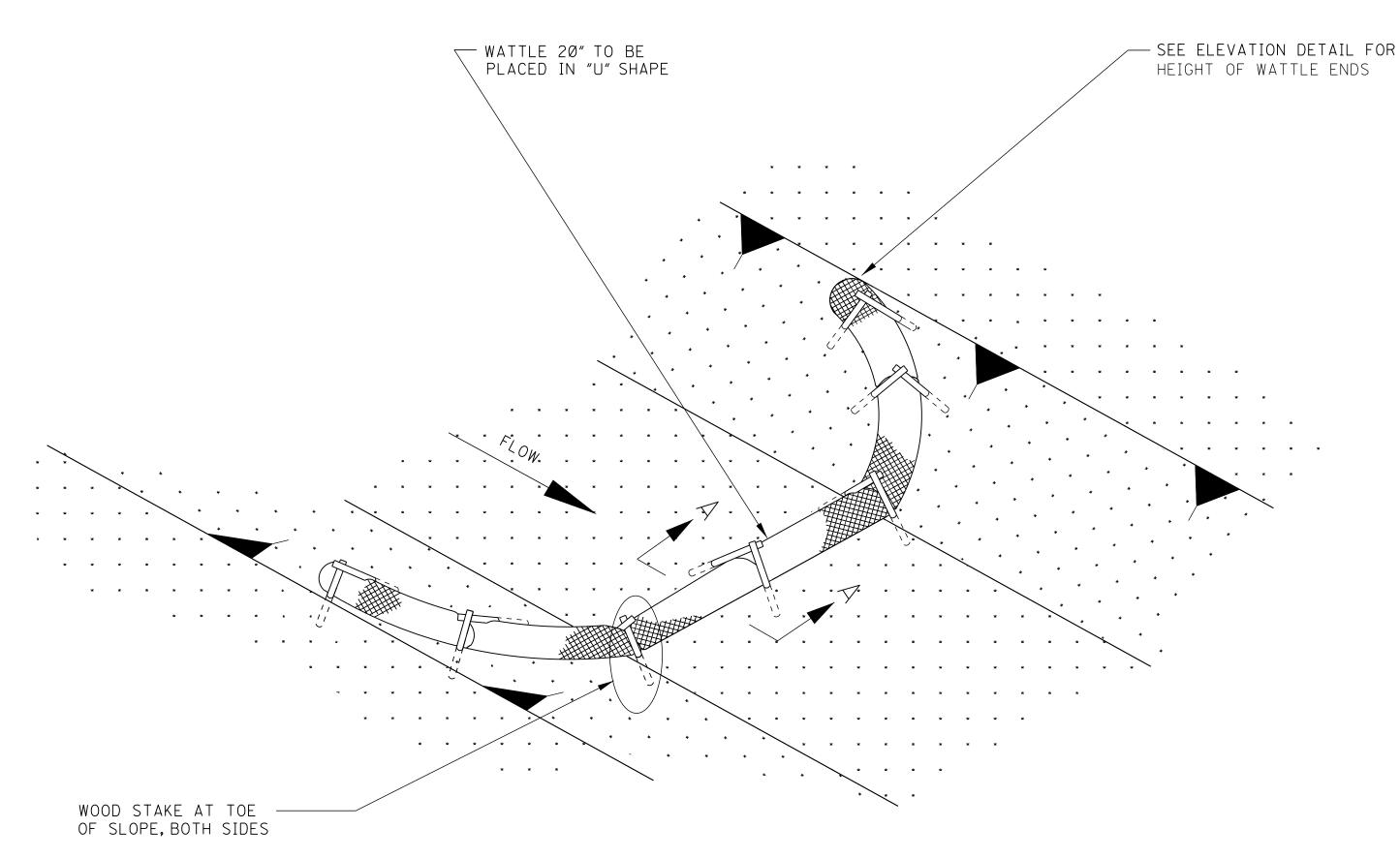
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN

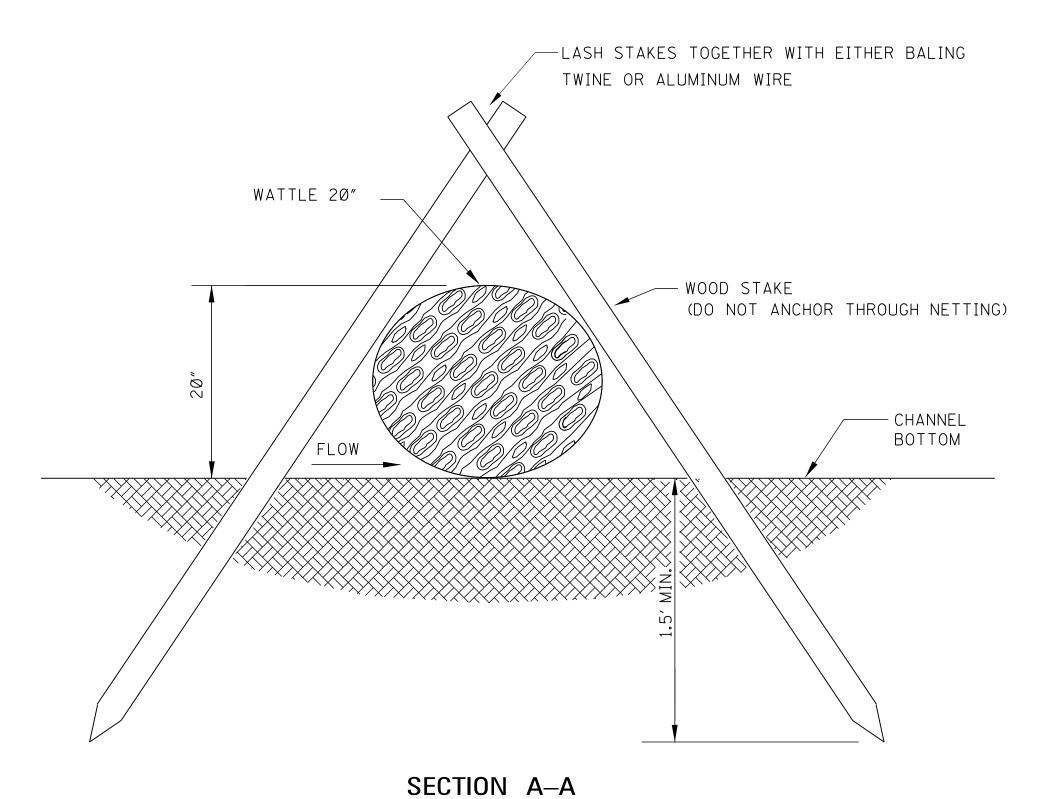
TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION CONTROL MEASURES MSSISPPI DEPARTMENT OF TRANSPORTATION

(SILT FENCE AND HAY BALE DITCH CHECKS)

| ISSUE DATE: AUGUST 01,2017

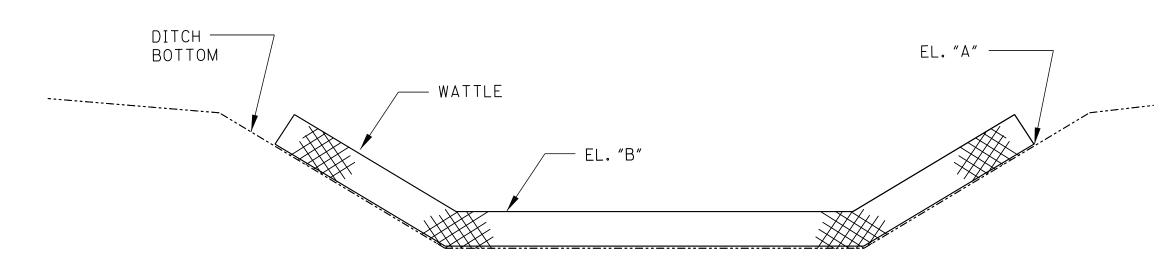
WORKING NUMBER SHEET NUMBER 61Ø5





DETAIL (DITCH CHECK)

NOTE: END POINTS "A" SHALL BE HIGHER THAN FLOWLINE POINT "B".



ELEVATION DETAIL

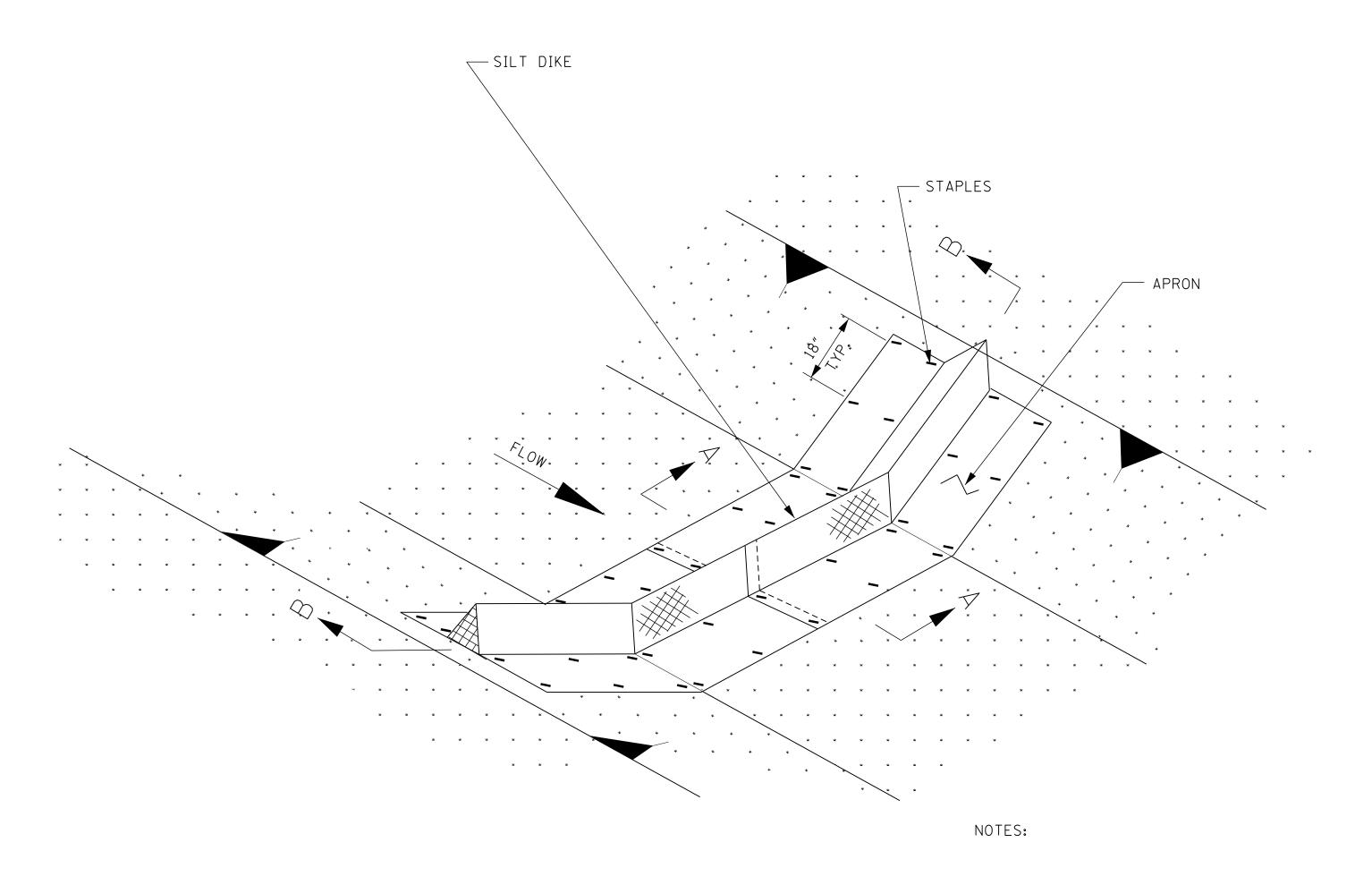
NOTES:

- 1. WATTLE DITCH CHECKS CAN BE USED FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.
- 2. THE PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK SHALL BE 100'UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON WK. NO. ECD-4.
- 3. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
- 4. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.
- 5. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.
- 6. IN THE EVENT WATTLES CANNOT BE SECURED IN PLACE USING WOOD STAKES, SAND BAGS MAY BE USED IN LIEU OF WOOD STAKES IN ORDER TO SECURE THE WATTLES IN PLACE. IF SANDS BAGS ARE USED IN THIS APPLICATION THEY WILL NOT BE A SEPARATE PAY ITEM.



DETAILS OF EROSION CONTROL WATTLE DITCH CHECK

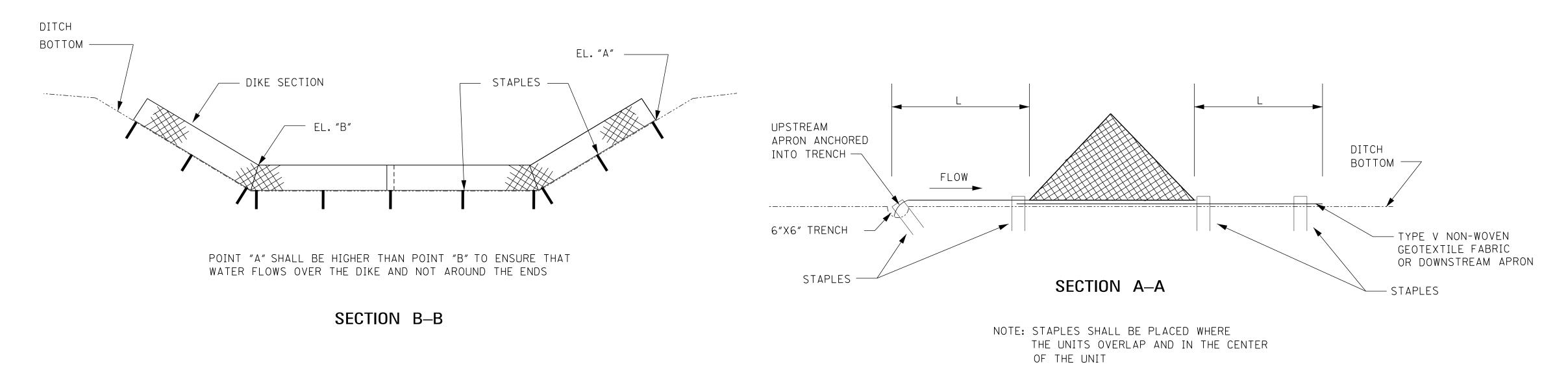




PLAN VIEW

NOTES:

- 1. SILT DIKES CAN BE USED IN DITCHES WITH CONCENTRATED FLOWS WITHIN THE CLEAR ZONE WHERE RIPRAP CANNOT BE USED.
- 2. SILT DIKES MAY ALSO BE USED:
 - A. IN AREAS WHERE CONSTRUCTION TRAFFIC TRAVELS (AS SHOWN ON WK. NO. ECD-16), PROVIDED THE SILT DIKE REBOUNDS TO ITS ORIGINAL SHAPE. SILT DIKES WHICH DO NOT REBOUND TO THEIR ORIGINAL SHAPE SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE DEPARTMENT.
 - B. AT THE ENDS OF AND ALONG THE EDGES OF CONSTRUCTION ROADS THAT CROSS THE WATERS OF THE U.S. (AS SHOWN ON WK. NO. ECD-17).
- 3. THE PLACEMENT INTERVAL BETWEEN SILT DIKE DITCH CHECK SHALL BE 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON WK. NO. ECD-4.
- 4. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 5. THE TRIANGULAR SILT DIKE SHAPE IS ONLY SHOWN FOR DEPICTION PURPOSES. OTHER SHAPED SILT DIKES MAY BE USED.
- 6. WHEN THE SILT DIKE, USED AS A DITCH CHECK, IS MANUFACTURED WITH AN APRON ON ONE SIDE ONLY, THE SILT DIKE SHALL BE INSTALLED AS SHOWN IN SECTION A-A. THE APRON SHALL BE INSTALLED ON THE UPSTREAM SIDE AND TYPE V NON-WOVEN GEOTEXTILE FABRIC INSTALLED ON THE DOWNSTREAM SIDE.
- 7. THE COST OF THE FABRIC SHALL BE INCLUDED IN OTHER ITEMS BID.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN

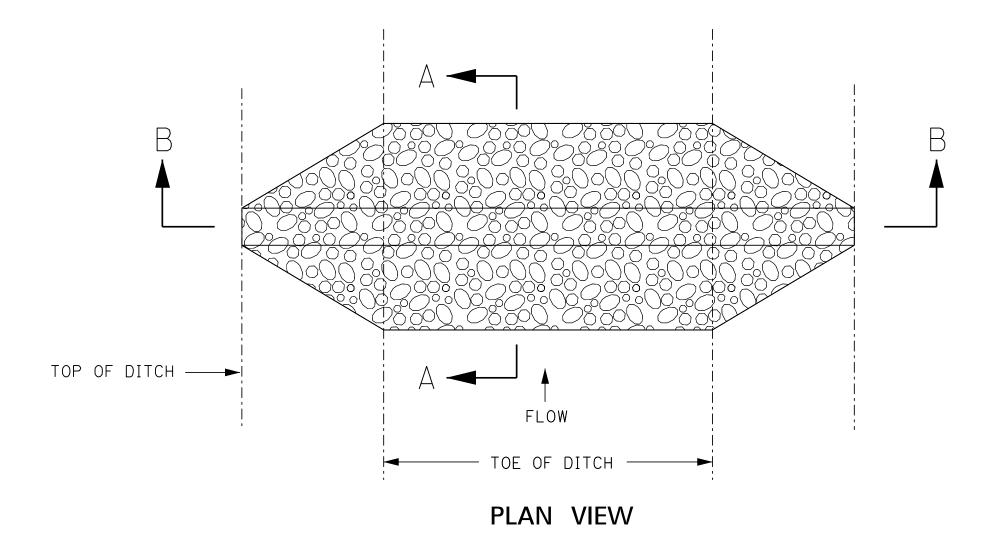
DETAILS OF EROSION
CONTROL SILT DIKE
DITCH CHECK

| ISSUE DATE: <u>AUGUST 01,2017</u>

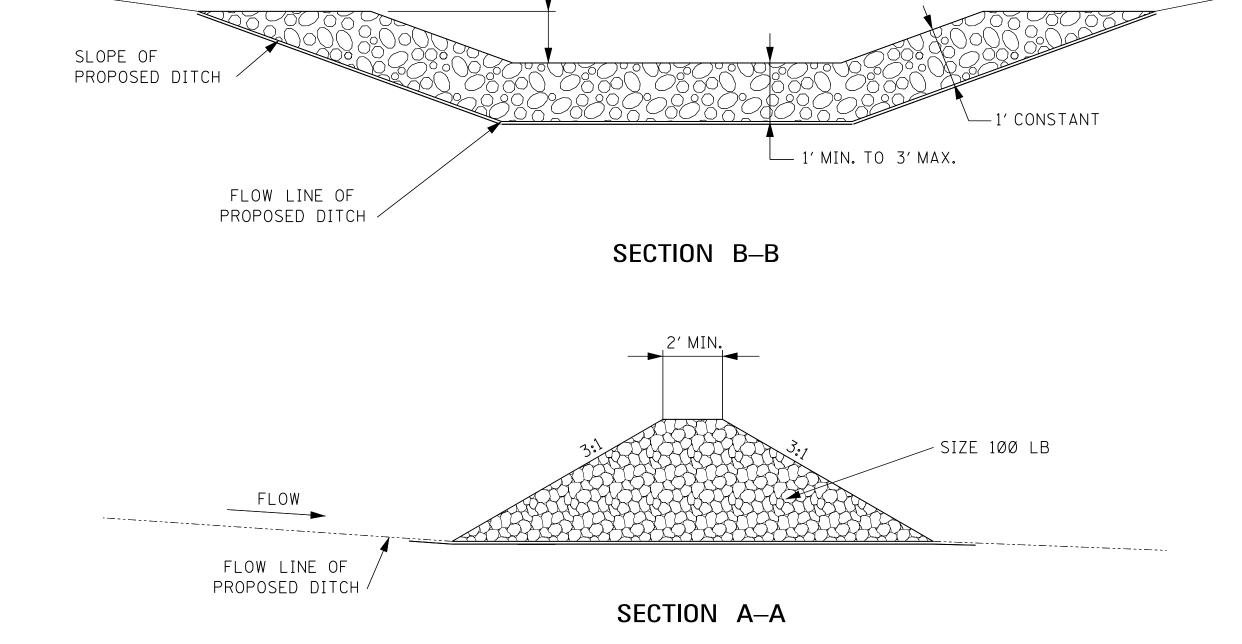
WORKING NUMBER
ECD-7

SHEET NUMBER
6107

SILT DIKE INSTALLATION FOR ROADWAY DITCHES

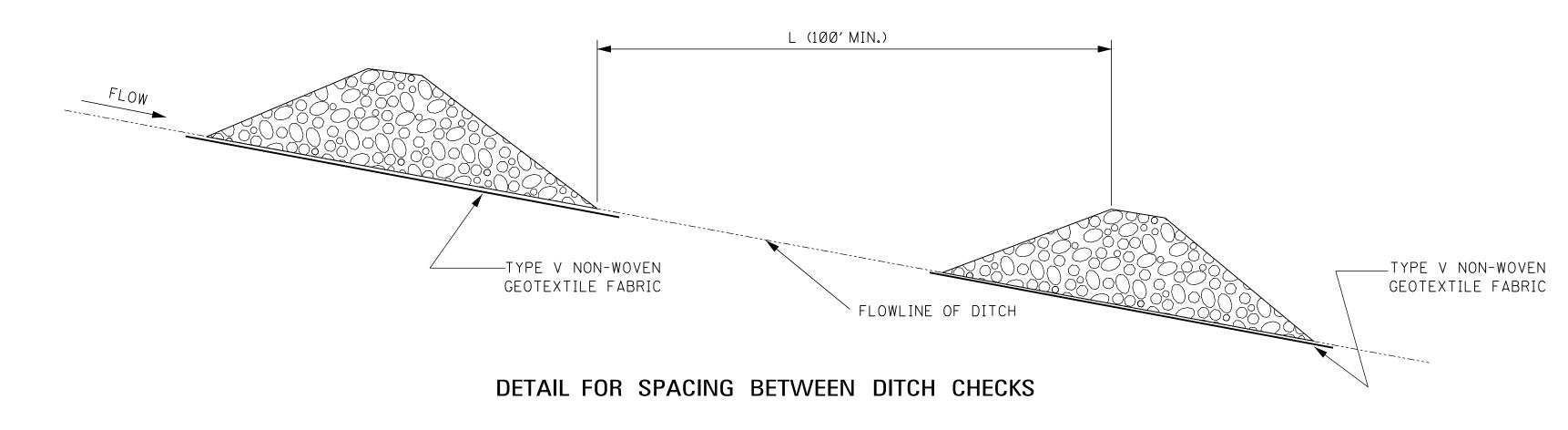


DETAIL FOR TRAPEZOIDAL DITCH



1′ MIN.

TEMPORARY ROCK DITCH CHECKS IN ROADSIDE DITCHES



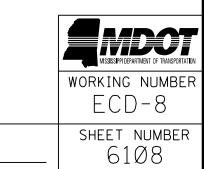
NOTES:

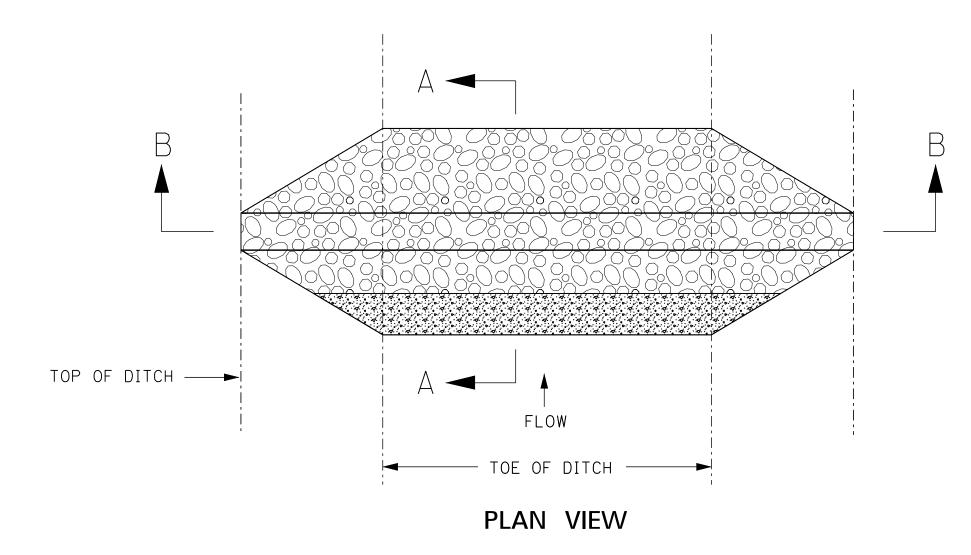
- 1. ROCK DITCH CHECKS SHOULD ONLY BE USED FOR REDUCING THE VELOCITY OF FLOWING WATER.
- 2. MINIMUM SPACING FOR ROCK DITCH CHECKS IS 100 FEET UNLESS OTHERWISE SHOWN ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON WK. NO. ECD-4.
- 3. ROCK DITCH CHECKS SHOULD ONLY BE USED UP-GRADIENT OF AND ALONG WITH ADDITIONAL DOWN-GRADIENT SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S).
- 4. THE COST OF FABRIC SHALL BE INCLUDED IN OTHER ITEMS BID.



ROCK DITCH CHECK

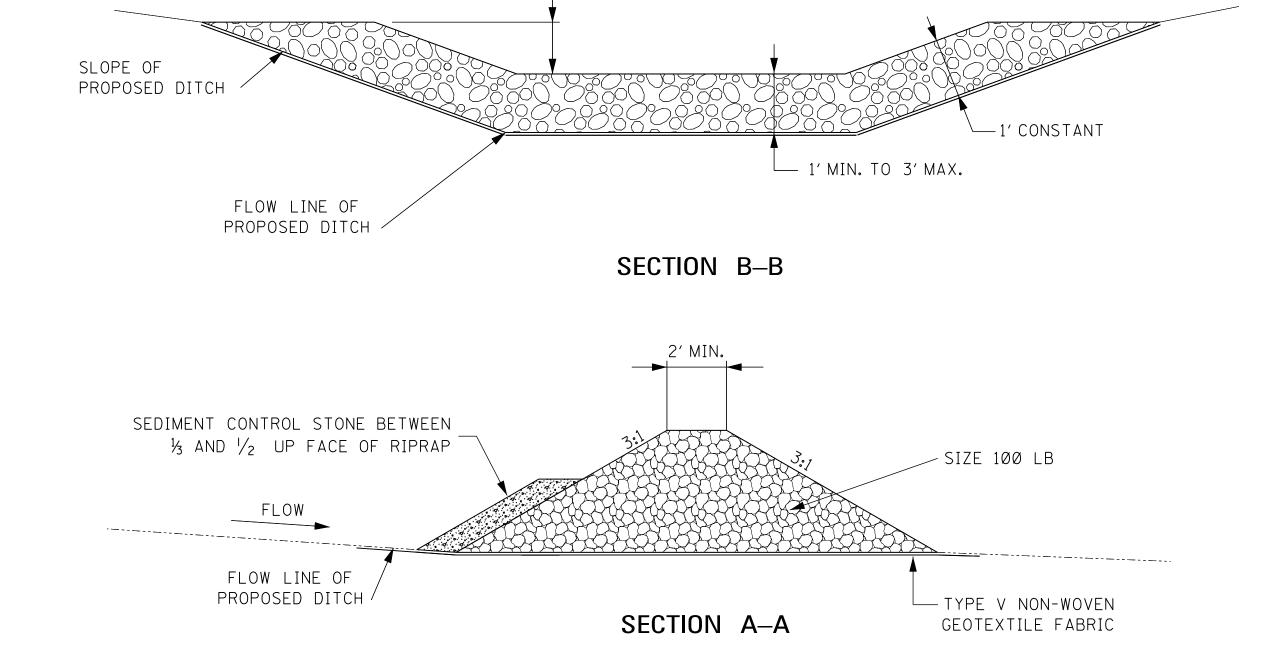
| ISSUE DATE: AUGUST Ø1, 2017



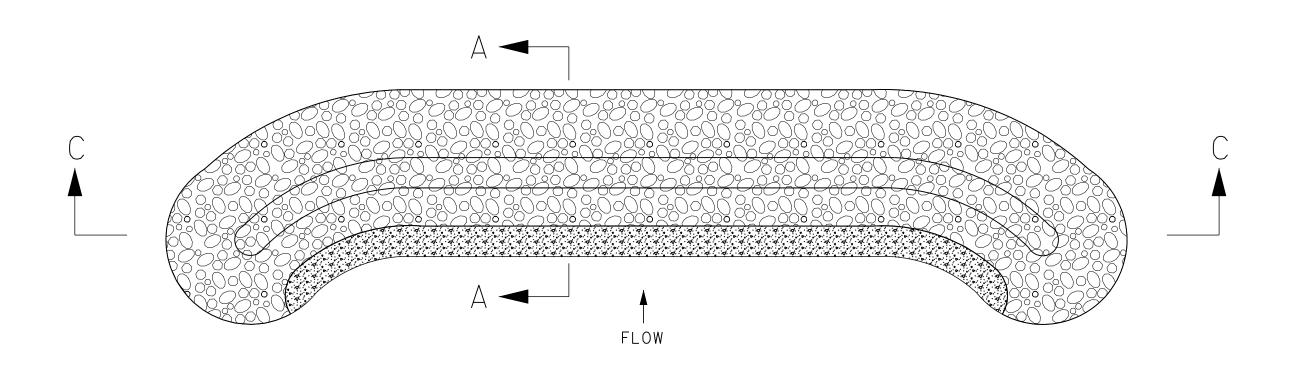


1′ MIN. -

DETAIL FOR TRAPEZOIDAL DITCH

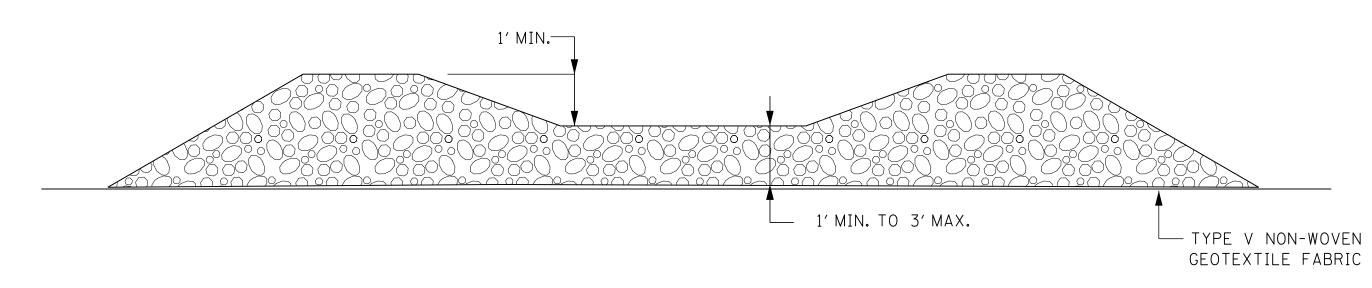


TEMPORARY ROCK DITCH CHECKS IN ROADSIDE DITCHES



PLAN VIEW

DETAIL FOR USE OTHER THAN DITCH

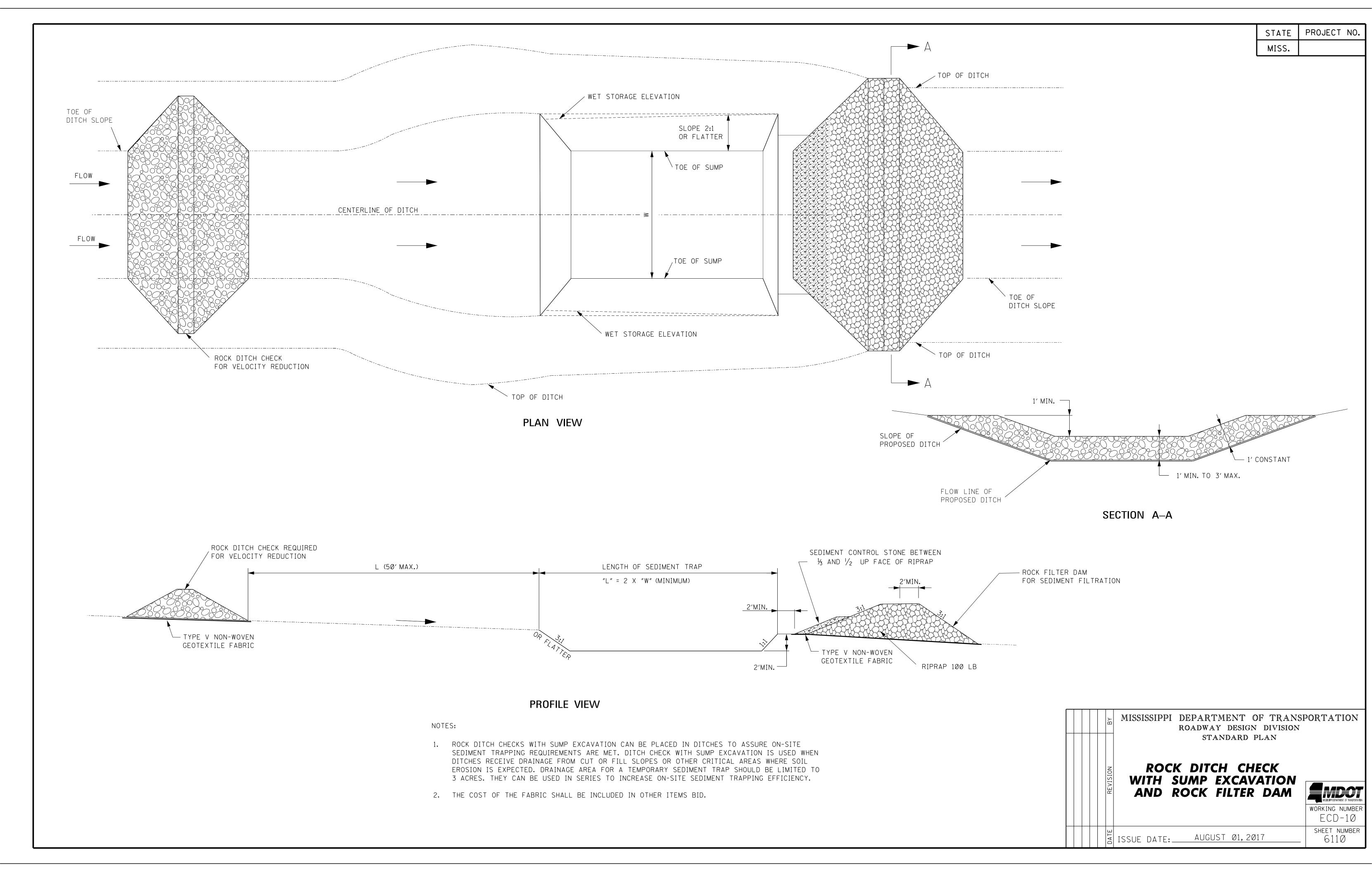


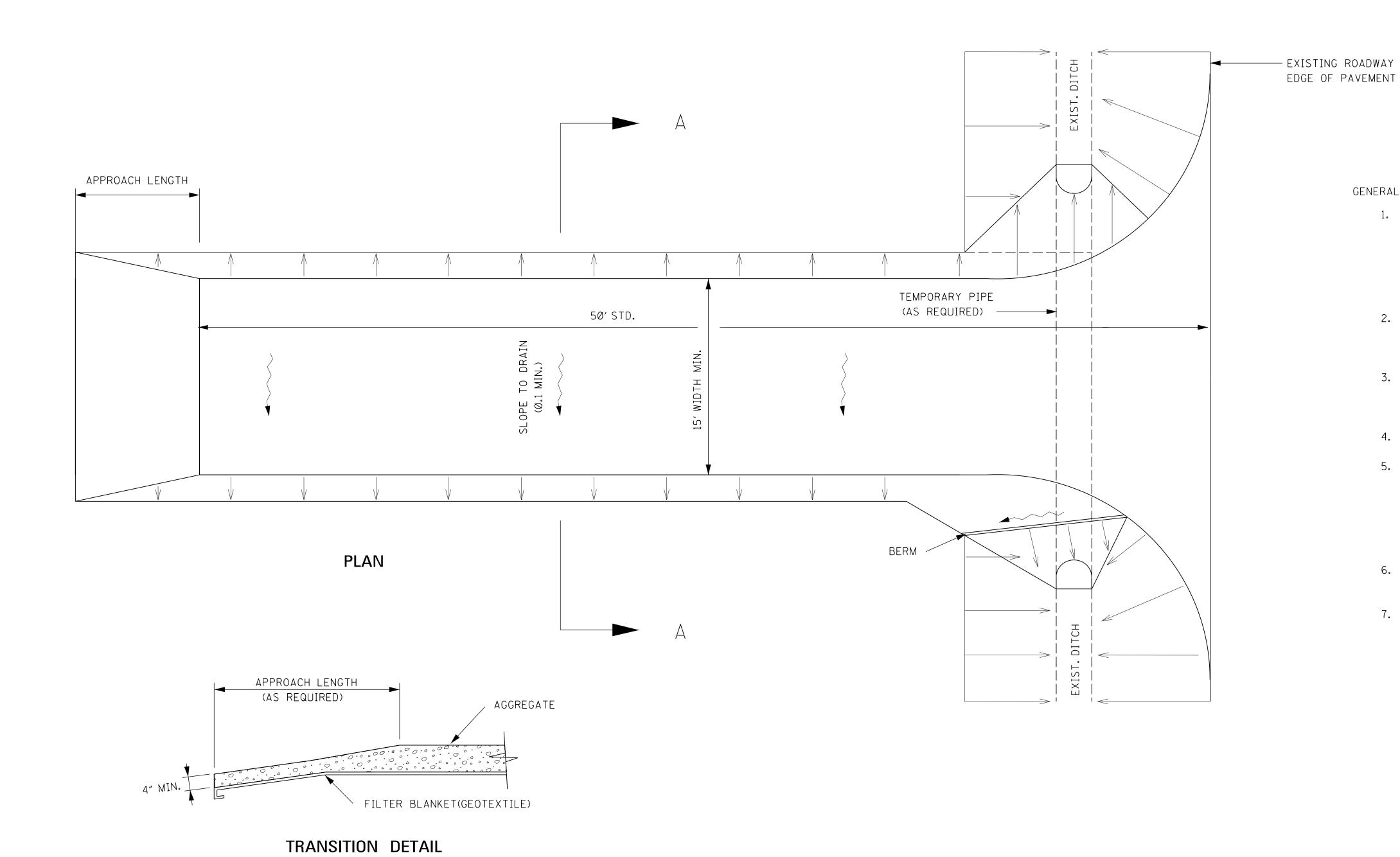
SECTION C-C

GENERAL NOTES:

- 1. ROCK FILTER DAMS (RFD) MAY BE USED AS A DISCHARGE STRUCTURE WHILE WORKING WITH HIGHLY EROSIVE SOIL. RFD'S MAY BE USED AS PART OF A "BMP TRAIN" AND MAY BE USED IN SUCCESSION AT A MINIMUM SPACING OF 100 FT. OR PER THE EROSION CONTROL PLAN APPROVED BY THE ENGINEER.
- 2. THE COST OF THE FABRIC SHALL BE INCLUDED IN OTHER ITEMS BID.

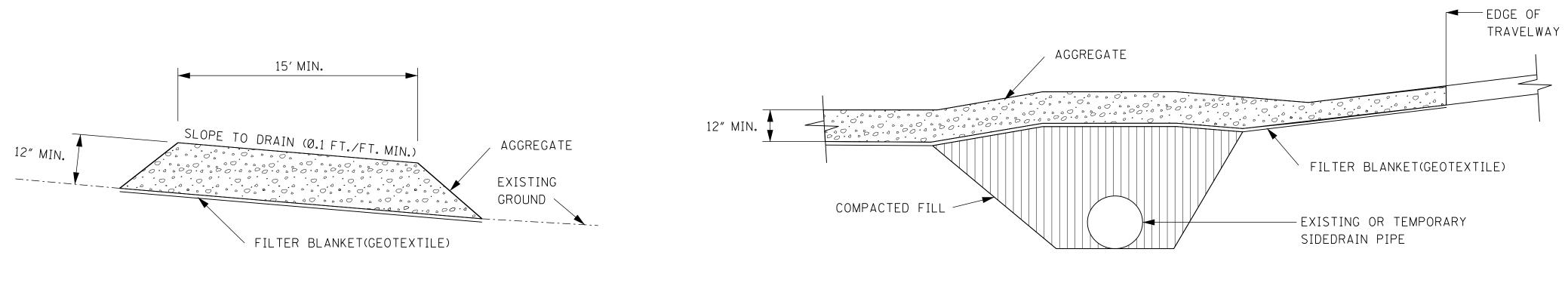






GENERAL NOTES:

- 1. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE PROJECT SHALL BE DIRECTED THRU THE STABILIZED ENTRANCE. BARRIERS, FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE STABILIZED ENTRANCE.
- 2. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFFSITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ITS USE.
- 3. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STABILIZED CONSTUCTION ENTRANCE AGGREGATE AND CONSTRUCTION MUD) SHOULD BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.
- 4. SIZE III STABILIZER AGGREGATE OR LARGER SHALL BE USED.
- 5. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM ITS FUNCTION TO PREVENT OFFSITE TRACKING. THE STABILIZED CONSTRUCTION ENTRANCE SHOULD BE RINSED WHEN NECESSARY TO MOVE ACCUMULATED MUD DOWNWARD THRU THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STABILIZED ENTRANCE MAY BE REQUIRED TO LIMIT THE MUD TRACKED.
- 6. THE NOMINAL SIZE OF A STANDARD STABILIZED CONSTRUCTION ENTRANCE IS 15' X 50' UNLESS OTHERWISE SHOWN IN THE EROSION CONTROL PLAN.
- 7. COSTS OF ALL ITEMS ON THIS SHEET SHALL BE INCLUDED IN OTHER ITEMS BID.



SECTION A-A RURAL CONNECTION DETAIL MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN

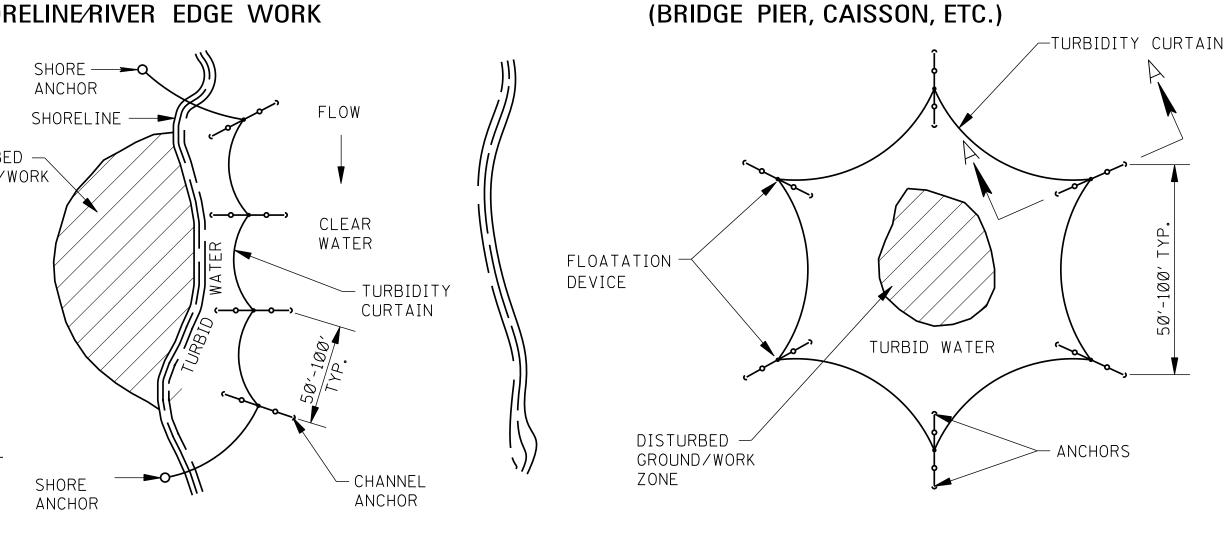
STABILIZED CONSTRUCTION ENTRANCE SINDOT

SSUE DATE:_

AUGUST Ø1,2017

WORKING NUMBER ECD-16 SHEET NUMBER 6116

FLOATING TURBIDITY CURTAIN TYPICAL ANCHORING PLAN FOR SHORELINE/RIVER EDGE WORK



TYPICAL ANCHORING PLAN FOR

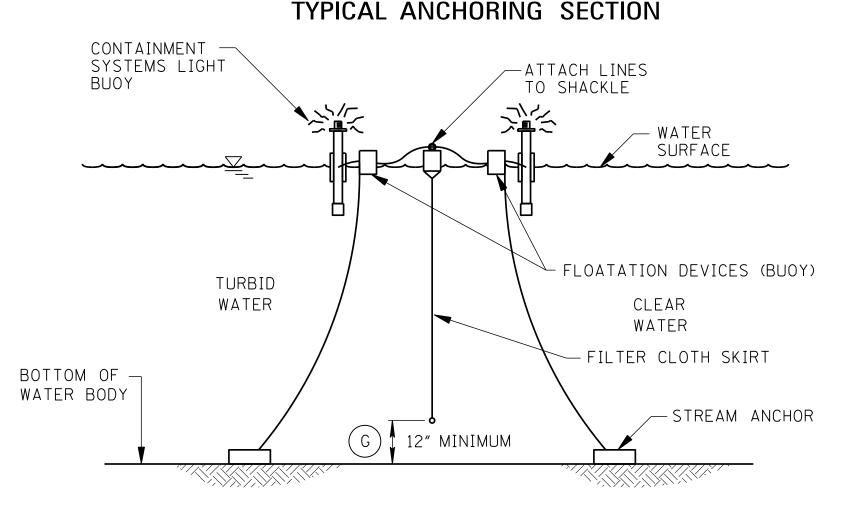
MID CHANNEL WORK

PLAN VIEW

--FLOATATION SEGMENT -FLOATATION -FOLD JOINT FOR STORAGE SEGMENT TOP TENSION CABLE TOP LOAD LINE WATER DISTURBED SURFACE GROUND/WORK ZONE — FILTER CLOTH SKIRT (DEPTH VARIES) FILTER CLOTH ———— SKIRT (DEPTH VARIES) — BALLAST — BALLAST CHAIN AND CHAIN LOAD LINE -CHANNEL BOTTOM -SKIRT CONNECT GROMMETS

- UNIVERSAL CONNECTOR

TYPICAL ANIQUOPINIO OFOTIONI



SECTION A-A

AUTOMATIC FLASHING LIGHT BUOY (ON AT DUSK-OFF AT DAWN) 100' ON CENTER SHALL BE USED IN NAVIGABLE CHANNELS ONLY

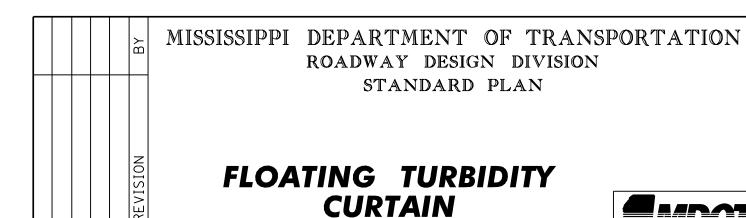
EROSION CONTROL PLAN LEGEND: FLOATING TURBIDITY CURTAIN

GENERAL NOTES:

PLAN VIEW

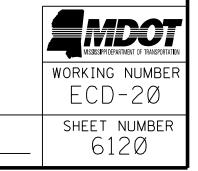
- 1. FLOATING TURBIDITY CURTAINS (ALSO KNOWN AS TURBIDITY BARRIERS OR SILT CURTAINS) CREATE A BARRIER TO PREVENT TURBID WATER FROM ENTERING CLEAR WATER. FLOATING TURBIDITY CURTAINS SHOULD BE USED TO ISOLATE ACTIVE CONSTRUCTION AREAS WITHIN OR ADJACENT TO A BODY OF WATER TO MINIMIZE THE MIGRATION OF SILT LADEN WATER OUT OF THE CONSTRUCTION ZONE.
- 2. TURBIDITY CURTAINS SHALL NOT BE INSTALLED PERPENDICULAR ACROSS THE MAIN FLOW OF A SIGNIFICANT BODY OF MOVING WATER.
- 3. FLOATING TURBIDITY CURTAINS SHOULD NOT BE USED WHERE THE ANTICIPATED FLOW VELOCITIES WILL EXCEED 5 FT/SEC.
- 4. TURBIDITY CURTAINS SHALL BE ANCHORED TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. ANCHORAGE SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE. CURTAINS SHOULD BE INSTALLED AS CLOSE TO PROJECT SITE AS POSSIBLE. BARRIERS SHOULD BE A BRIGHT COLOR (YELLOW OR "INTERNATIONAL" ORANGE ARE RECOMMENDED) THAT WILL ATTRACT THE ATTENTION OF NEARBY BOATERS.
- 5. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE OF SUFFICIENT SIZE TO STABILIZE THE BARRIER WITH NUMBER AND SPACING DEPENDENT ON WATERWAY VELOCITIES AND MANUFACTURER'S RECOMMENDATIONS.
- 6. IN SHALLOW WATER (2 FEET OF DEPTH OR LESS) A TURBIDITY CURTAIN MAY BE INSTALLED ON STAKES DRIVEN INTO THE BED OF THE WATER BODY.
- 7. FABRIC SECTIONS SHALL BE CONNECTED END TO END WITH MINIMUM $\frac{5}{8}$ " DIAMETER POLYPROPYLENE ROPE. FABRIC SHALL BE SEAMED TOGETHER IN A MANNER THAT RETAINS THE OVERALL TENSILE STRENGTH.
- 8. DESIGN OF CURTAIN AND ANCHORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. FILTER CLOTH SKIRT SHOULD BE ABLE TO WITHSTAND THE FORCES IMPARTED ON IT DUE TO THE EXPECTED WIND VELOCITY OR STREAM VELOCITY. FABRIC SHALL BE MADE OF A NON-DETERIORATING MATERIAL, SUCH AS PLASTIC OR NYLON, WHICH WILL ALLOW WATER TO PASS THROUGH WHILE STILL RETAINING SEDIMENT.
- 9. THE TURBIDITY CURTAIN AND ADJACENT WORK AREAS SHALL NOT BE DISTURBED 12 HOURS PRIOR TO REMOVAL FROM THE WATER BODY. MAINTENANCE SHALL BE PERFORMIED AS NEEDED. CONTRACTOR SHALL REMOVE THE CURTAIN AT COMPLETION OF WORK IN A MANNER THAT WILL PREVENT SILTATION OF THE WATERWAY. DURING REMOVAL, EXTREME CARE SHOULD BE TAKEN NOT TO DISTURB ANY SEDIMENT DEPOSITS.

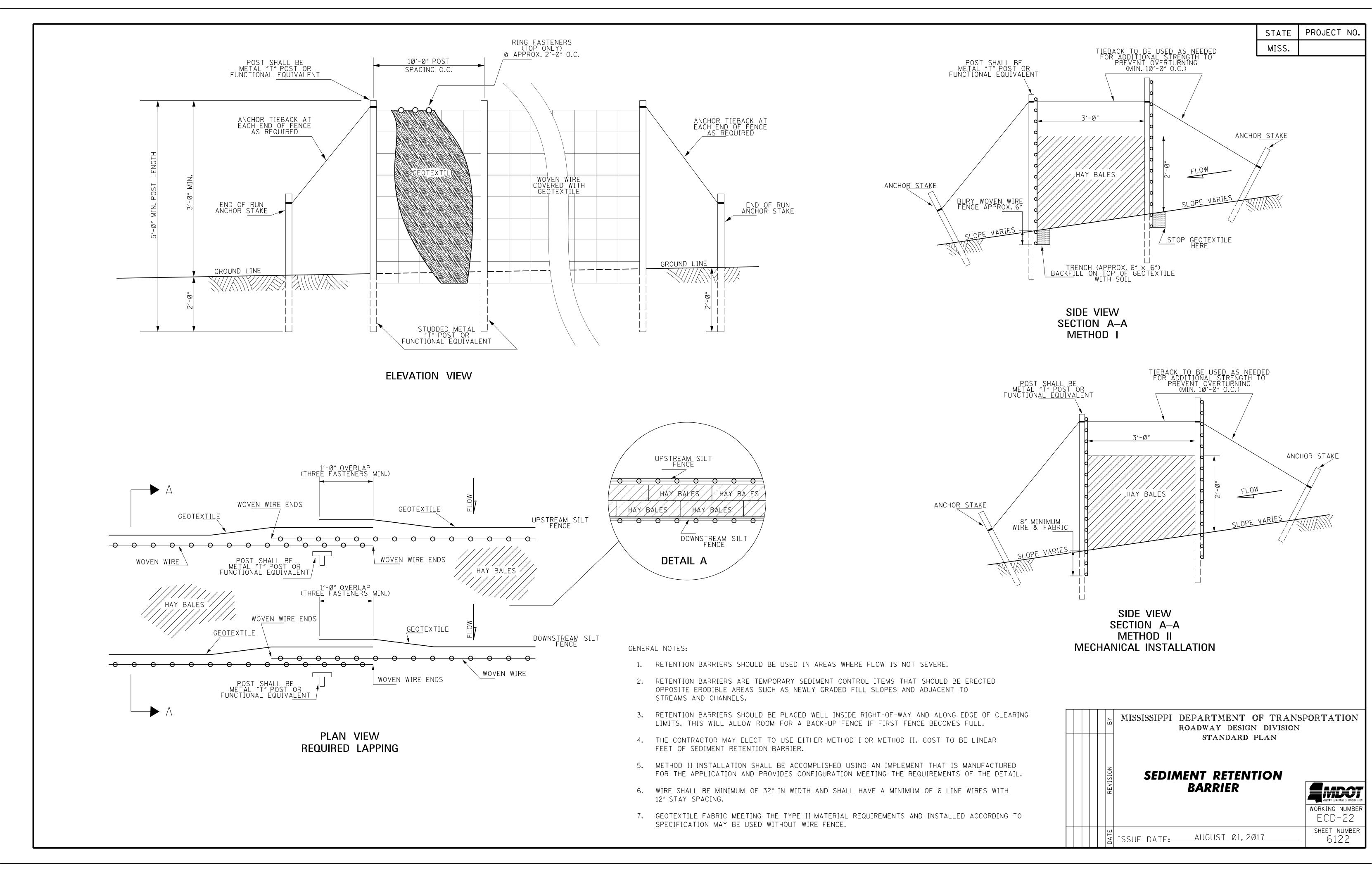
- 10. MAINTAIN 12" MINIMUM GAP BETWEEN SKIRT BOTTOM AND CHANNEL BOTTOM TO PREVENT ACCUMULATED SEDIMENT FROM PULLING TOP OF CURTAIN BELOW WATER SURFACE.
- 11. IN WIND OR WAVE ACTION SITUATIONS, THE MAXIMUM DEPTH OF THE CURTAIN SHALL BE 12 FEET.
- 12. CONCENTRATED FLOWS SHALL NOT DISCHARGE BEYOND FLOATING TURBIDITY CURTAIN. CURTAINS ARE NOT TO BE INSTALLED ACROSS FLOWING BODY OF WATER.
- 13. WHEN INSTALLED IN A NAVIGABLE WATERWAY, BUOYS SHOULD BE LIT ACCORDING TO REGULATORY AGENCY STANDARDS.
- 14. WHEN ESTIMATING THE LENGTH OF THE TURBIDITY CURTAIN, ALLOW 10 TO 20 PERCENT VARIANCE IN STRAIGHT LINE MEASUREMENT.
- 15. PAYMENT FOR FLOATING TURBIDITY CURTAIN SHALL INCLUDE ALL MATERIAL AND ALL LABOR NECESSARY FOR CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TURBIDITY CURTAIN.
- 16. ONLY FLOATING TURBIDITY CURTAINS LISTED ON THE APPROVED PRODUCTS LIST MAY BE USED.

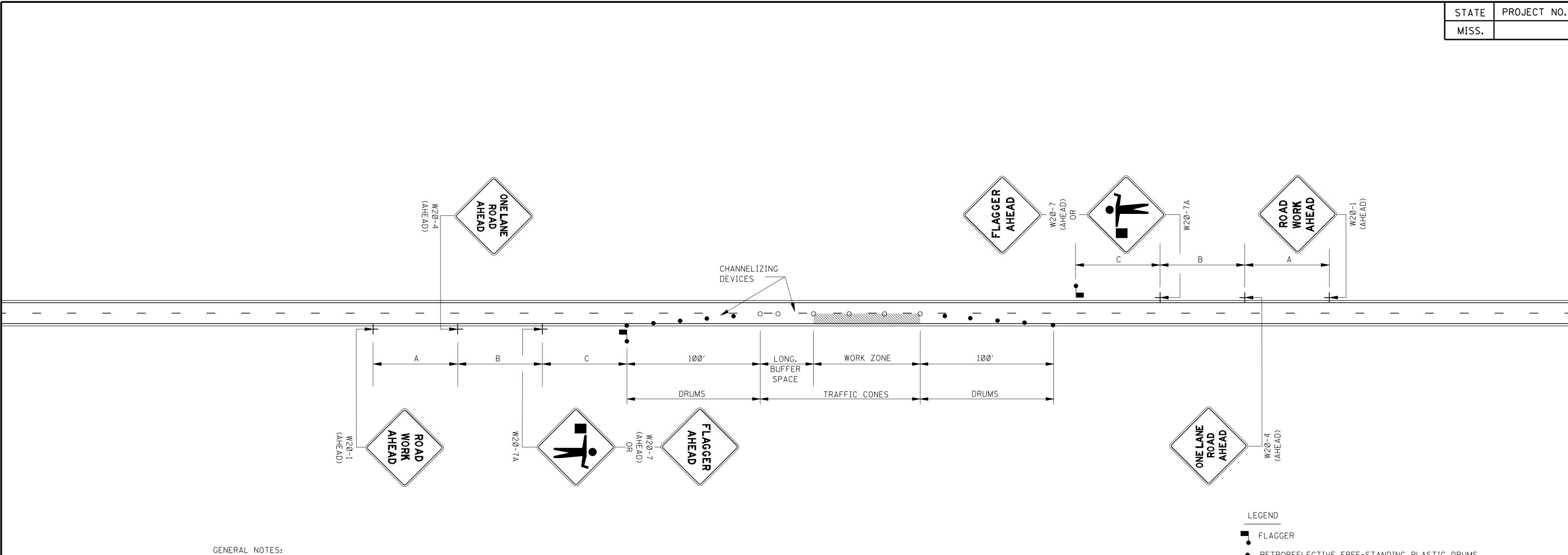


AUGUST Ø1, 2017

ISSUE DATE:_







1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE. FLAGGER STATIONS SHALL BE LOCATED SUCH THAT APPROACHING VEHICLES WILL HAVE SUFFICIENT DISTANCE TO STOP. VALUES IN STOPPING SIGHT DISTANCE COLUMN MAY BE USED AS A MINIMUM FOR THIS DISTANCE.

POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (f+)		† LONGITUDINAL BUFFER SPACE	STOPPING SIGHT
mph	TAPER	ALONG LANE LINE & WORK ZONE	(f+)	DISTANCE
25	2Ø	50	55	155
3Ø	20	6Ø	85	200
35	20	7Ø	120	25Ø
40	20	8Ø	17Ø	305
45	20	90	220	360
50	20	100	28Ø	425
55	20	110	335	495
60	20	120	415	57Ø
65	20	130	485	645

† NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.

- 2. ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 28" IN HEIGHT.
- 3. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 36" x 36" AND BLACK COPY ON FLUORESCENT ORANGE SHEETING.
- 4. WHEN WORK ZONE IS NO LONGER NEEDED, ALL SIGNS SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL BE MOVED TO THE SHOULDER EDGE.
- 5. ADDITIONAL FLAGGERS MAY BE NEEDED AS DIRECTED BY THE ENGINEER.
- 6. WHEN WORK IS REQUIRED AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED.
- 7. CHANNELIZING DEVICE TYPES FOR: A. APPROACH AND EXIT TAPERS- RETROREFLECTIVE PLASTIC DRUMS B. ALONG LANE LINE AND WORK ZONE- TRAFFIC CONES (28" HEIGHT)
- 8. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

- RETROREFLECTIVE FREE-STANDING PLASTIC DRUMS
- O TRAFFIC CONES (28" HEIGHT MINIMUM)

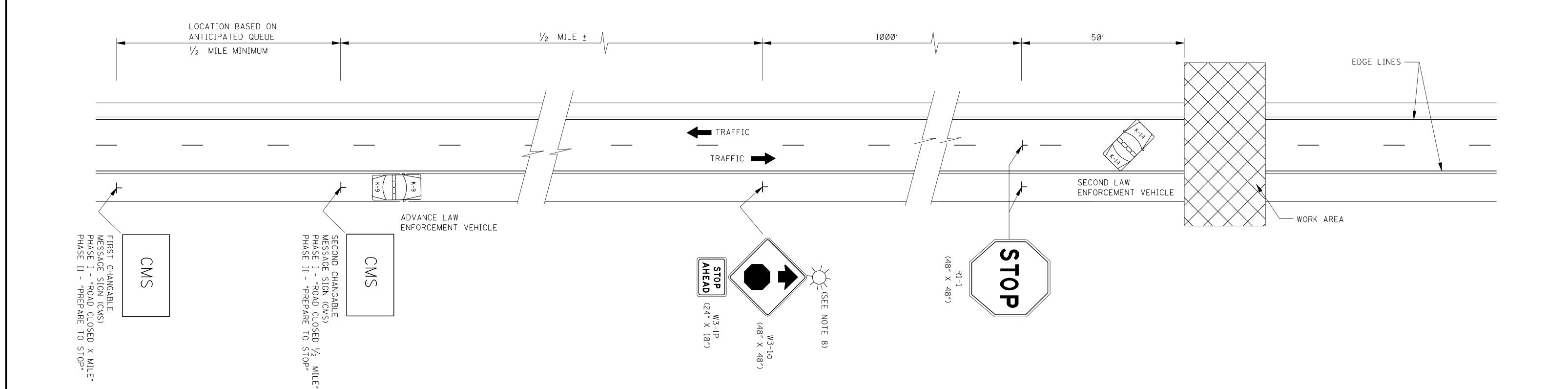
DISTANCE BETWEEN SIGNS				
ROAD TYPE	А	В	С	
URBAN (35 MPH OR LESS)	100 FT.	100 FT.	100 FT.	
URBAN (40 - 70 MPH)	350 FT.	350 FT.	350 FT.	
RURAL	500 FT.	500 FT.	500 FT.	
EXPRESSWAY / FREEWAY	1000 FT.	1500 FT.	264Ø FT.	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN TRAFFIC CONTROL PLAN WITH FLAGGER MISSISPI DEPARTMENT OF TRANSPORTATION (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC) WORKING NUMBER TCP-1

S ISSUE DATE: AUGUST Ø1, 2017

SHEET NUMBER

6351



GENERAL NOTES:

- 1. THIS TYPE OF HIGHWAY CLOSURE SHOULD ONLY BE USED FOR CONSTRUCTION OPERATIONS WHEN THE DURATION OF CLOSURE WILL NOT EXCEED 30 MINUTES. AFTER THE HIGHWAY HAS BEEN CLOSED AND REOPENED VIA THIS PROCEDURE, A MINIMUM PERIOD OF 30 MINUTES SHOULD ELAPSE BEFORE ANOTHER SHORT DURATION CLOSURE, EXCEPT WITH THE APPROVAL OF THE ENGINEER.
- 2. AT LEAST TWO LAW ENFORCEMENT OFFICERS AND TWO LAW ENFORCEMENT VEHICLES SHOULD BE PROVIDED ON EACH APPROACH TO THE CLOSURE. EACH LAW ENFORCEMENT VEHICLE SHOULD HAVE A ROOF MOUNTED FLASHING BLUE LIGHT OR LIGHT BAR.
- 3. RESTRICTIONS ON ROAD CLOSURES ARE SPECIFIED IN THE CONTRACT DOCUMENT.
- 4. THE ADVANCE LAW ENFORCEMENT VEHICLE SHOULD BE MOVED BACK AS REQUIRED BY THE QUEUING OF STOPPED VEHICLES.
- 5. IF QUEUE EXCEEDS THE FIRST CHANGABLE MESSAGE SIGN (CMS) AT ANYTIME DURING A CLOSURE; THE TRAFFIC CONTROL PLAN SHOULD BE ADJUSTED AS NECESSARY, WITH APPROVAL OF THE ENGINEER.

- 6. TRAFFIC CONTROL FOR THE CLOSURE SHOULD BE ACCOMPLISHED IN THE FOLLOWING ORDER:

 A. FIRST CHANGABLE MESSAGE SIGN (CMS)
- B. SECOND CHANGEABLE MESSAGE SIGN (CMS)
- C. ADVANCE LAW ENFORCEMENT VEHICLE, LIGHTS AND FLASHERS ON.
- D. "W3-1a (48" X 48")" AND "W3-1P (24" X 18")" SIGNS ERECTED.
- E. "R1-1 (48" X 48")" SIGNS ERECTED TO STOP TRAFFIC. THE ORDER OF ERECTION SHOULD BE IN THE FOLLOWING ORDER: RIGHT SHOULDER THEN CENTER.
- F. SECOND LAW ENFORCEMENT VEHICLE, LIGHTS AND FLASHERS ON.
- 7. TRAFFIC CONTROL SHOULD BE REMOVED IN THE FOLLOWING ORDER:
- A. WITH TRAFFIC STOPPED REMOVE THE "R1-1 (48" X 48")" SIGNS TOWARD THE RIGHT SHOULDER IN THE FOLLOWING ORDER: CENTER THEN SIGN ON THE RIGHT SHOULDER. SECOND LAW ENFORCEMENT VEHICLE LEADS TRAFFIC THROUGH WORK AREA.
- B. AFTER ALL STOPPED VEHICLES HAVE STARTED MOVING, THE "W3-1a (48" X 48)" AND "W3-1P (24" X 18") SIGNS SHOULD BE REMOVED. THESE SIGNS MAY BE COVERED IF RE-USE IS IMMENENT.
- C. AFTER ALL VEHICLES HAVE RESUMED APPROXIMATELY NORMAL SPEED, THE CHANGABLE MESSAGE SIGNS TURNED OFF.

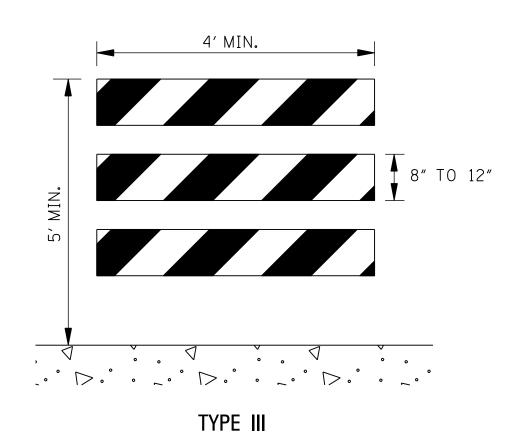
- 8. UNILLUMINATED SECTIONS OF HIGHWAYS SHOULD NOT BE CLOSED DURING HOURS OF DARKNESS EXCEPT FOR EMERGENCIES OR WITH THE APPROVAL OF THE ENGINEER. WHEN THE HIGHWAY MUST BE CLOSED DURING HOURS OF DARKNESS, A TYPE B HIGH INTENSITY FLASHING BARRICADE WARNING LIGHT SHALL BE USED ON EACH W3-1a SIGN.
- 9. IF AN ENTRANCE RAMP IS LOCATED BETWEEN THE SECOND CMS AND R1-1, THE CMS, "W3-1a (48" X 48")", AND "W3-1P (24 "X 18") SIGNS SHOULD ALSO BE ERECTED ON THE RAMP SHOULDER.
- 10. THE ABOVE DURATION WILL APPLY TO EACH APPROACH TO THE CLOSURE.
- 11. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC, INCLUDING SECURING LAW ENFORCEMENT SERVICES.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN

SHORT DURATION
CLOSING OF TWO-LANE
TWO-WAY HIGHWAYS

S ISSUE DATE: AUGUST 01, 2017

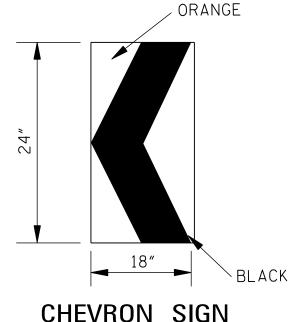
WORKING NUMBER
TCP-6
SHEET NUMBER
6356



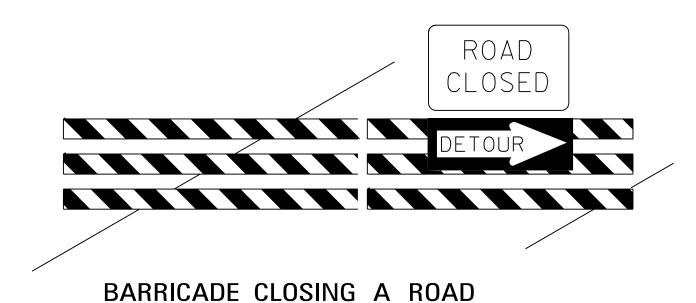
STANDARD BARRICADES

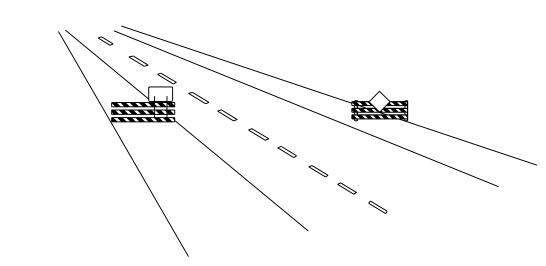
- 1. THE MARKING FOR BARRICADE RAILS SHALL BE ORANGE AND WHITE (SLOPING DOWNWARD AT AN ANGLE OF 45° IN THE DIRECTION TRAFFIC IS TO PASS).
- 2. RAIL STRIPE SHOULD BE 6 INCHES, EXCEPT THAT 4-INCH WIDE STRIPES MAY BE USED IF RAIL LENGTHS ARE LESS THAN 36 INCHES.
- 3. DO NOT PLACE SANDBAGS OR OTHER DEVICES TO PROVIDE MASS ON THE BOTTOM RAIL THAT WILL BLOCK VIEW OR RAIL FACE.
- 4. FOR ADDITIONAL INFORMATION OR DETAILS, SEE MUTCD, LATEST EDITION.
- 5. BARRICADES ARE CLASSIFIED BY FHWA AS CATEGORY II WORK ZONE DEVICES WHICH REQUIRE CRASHWORTHINESS ACCEPTANCE LETTERS. TO DATE, 2-IN. THICK TIMBER RAILS HAVE NOT BEEN SUCCESSFULLY CRASH TESTED. A LIST OF CRASHWORTHY BARRICADES AND OTHER CATAGORY II DEVICES CAN BE FOUND ON FHWA'S WEBSITE:

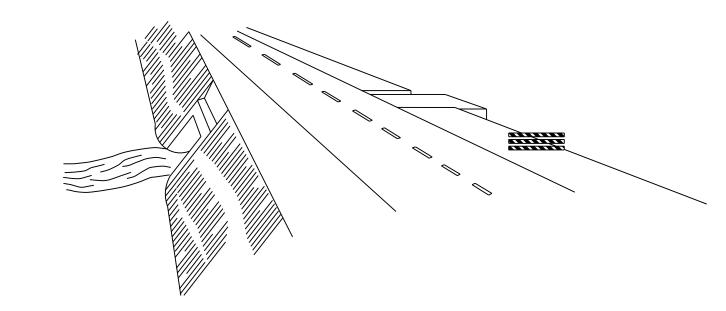
http://safety.fhwa.dot.gov/roadway_dept/policy.guide/road_hardware/cat2.cfm



- DETAIL
- 1. A CHEVRON SIGN CONSISTS OF A BLACK CHEVRON TYPE MARKING ON AN ORANGE BACKGROUND AND SHALL POINT IN THE DIRECTION OF TRAFFIC FLOW.
- 2. THE CHEVRON SIGN SHALL BE MOUNTED ON CRASHWORTHY SUPPORT.
- 3. CHEVRON SIGNS MAY BE USED TO SUPPLEMENT OTHER STANDARD DEVICES WHERE ONE OR MORE LANES ARE CLOSED FOR CONSTRUCTION OR MAINTENANCE. THEY SHOULD BE PLACED APPROXIMATELY 2'-0" BEHIND THE LANE TRANSITION STRIPE.







PROJECT NO.

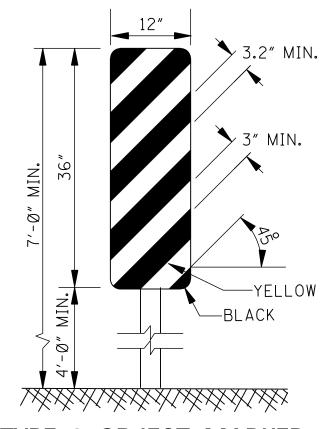
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BARRICADE CHARACTERISTICS

	I	п	ш
WIDTH OF RAIL * *	8" MIN 12" MAX.	8" MIN 12" MAX.	8" MIN 12" MAX.
LENGTH OF RAIL**	24″ MIN.	24″ MIN.	48″ MIN.
WIDTH OF STRIPE *	6″	6″	6″
HEIGHT	36″ MIN.	36″ MIN.	60″ MIN.
NUMBER OF RETROREFLECTORIZED RAIL FACES	2 (ONE EACH DIRECTION)	4 (TWO EACH DIRECTION)	3 IF FACING TRAFFIC IN ONE DIRECTION 6 IF FACING TRAFFIC IN TWO DIRECTIONS

- * 1. FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.
- ** 2. BARRICADES INTENDED FOR USE ON EXPRESSWAYS, FREEWAYS AND OTHER HIGH SPEED ROADWAYS, SHALL HAVE A MINIMUM OF 270 in OF REFLECTIVE AREA FACING TRAFFIC.



TYPE 3 OBJECT MARKER (0M-3R)

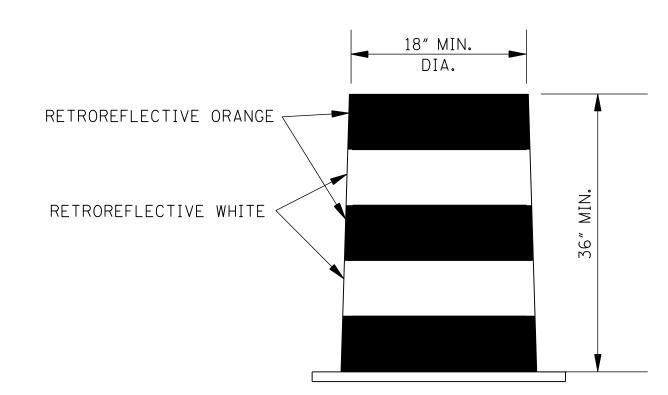
- 1. TYPE 3 OBJECT MARKERS SHALL BE USED AT ALL EXPOSED BRIDGE ABUTMENTS AND AT OTHER LOCATIONS AS DEEMED NECESSARY BY THE ENGINEER.
- 2. THE OM-3R IS SHOWN. THE OM-3L IS SIMILAR EXCEPT THE STRIPES SLOPE DOWNWARD FROM THE UPPER LEFT SIDE TO THE LOWER RIGHT SIDE AND SHALL BE PLACED ON THE LEFT SIDE OF THE OBJECT.
- 3. THE INSIDE EDGE OF THE MARKER SHALL BE IN LINE WITH THE INNER EDGE OF THE OBSTRUCTION.

WING BARRICADES

- 1. WING BARRICADES ARE TYPE III BARRICADES ERECTED ON THE SHOULDER ON ONE OR BOTH SIDES OF THE PAVEMENT TO GIVE THE SENSATION OF A NARROWING OR RESTRICTED ROADWAY. WING BARRICADES MAY BE USED AS A MOUNTING FOR THE ADVANCE WARNING SIGNS OR FLASHERS.
- 2. WING BARRICADES SHOULD BE USED:

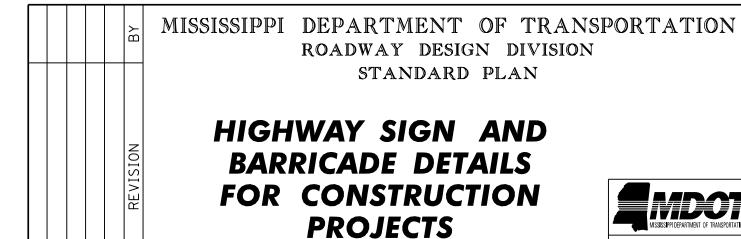
 A. IN ADVANCE OF A CONSTRUCTION PROJECT EVEN WHEN NO PART OF THE ROADWAY IS ACTUALLY CLOSED.

 B. IN ADVANCE OF ALL BRIDGE OR CULVERT WIDENING OPERATIONS.

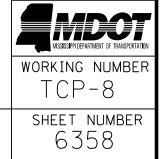


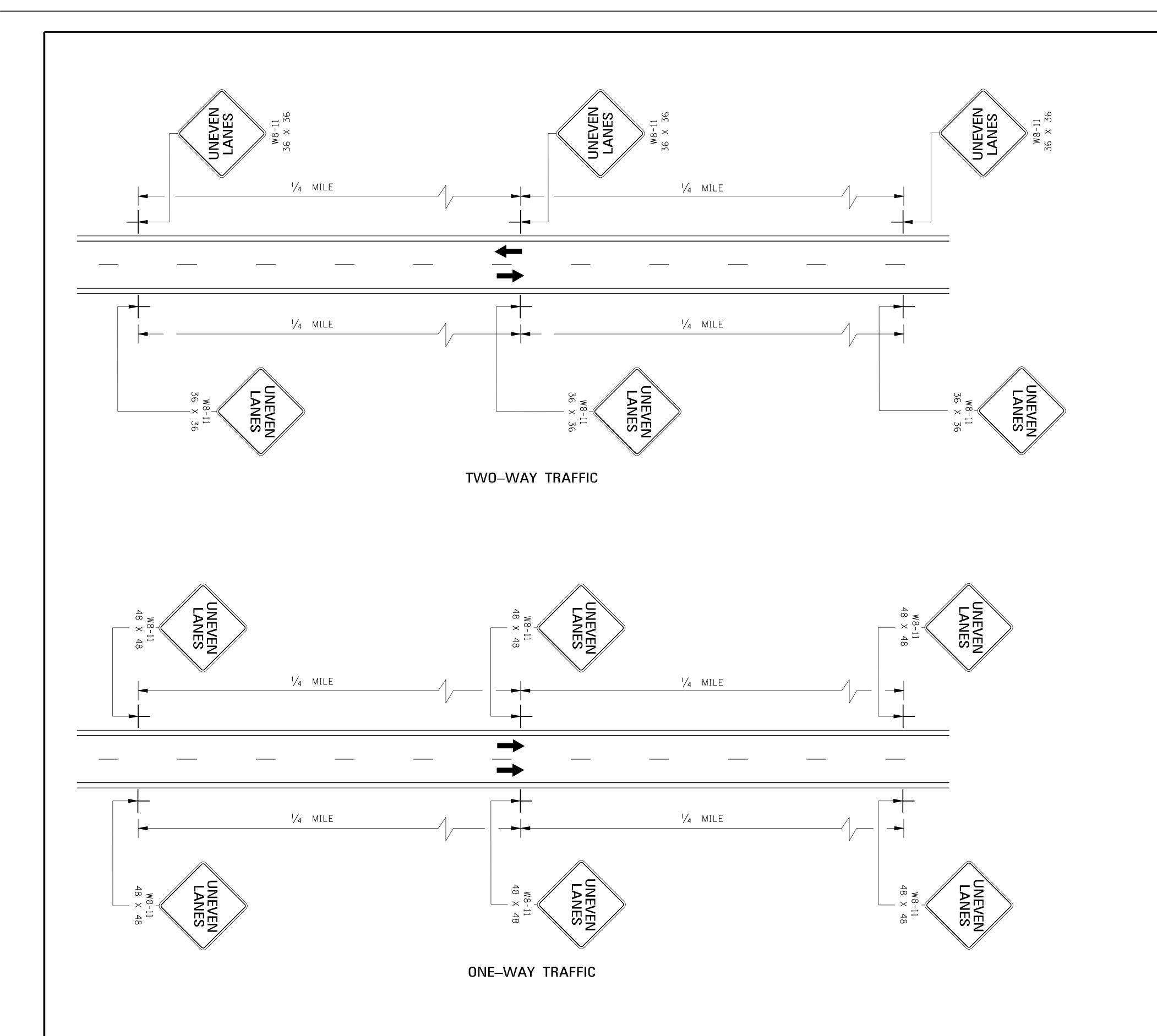
PLASTIC DRUM STRIPING DETAIL

- 1. PLASTIC DRUMS SHALL BE ON END AND USED AS AN EXPEDIENT METHOD FOR TRAFFIC CHANNELIZATION. THE COLOR AND MARKING OF DRUMS SHALL BE CONSISTENT WITH MARKING STANDARDS FOR BARRICADE. THE PREDOMINANT COLOR ON DRUMS SHALL BE ORANGE WITH FOUR (4) RETROREFLECTIVE, HORIZONTAL, CIRCUMFERENTIAL STRIPES (2 ORANGE & 2 WHITE) 6" WIDE.
- 2. DRUMS SHOULD NEVER BE PLACED IN THE ROADWAY WITHOUT WARNING SIGNS.
- 3. WHERE PRACTICAL PLASTIC DRUMS SHOULD BE PLACED NO CLOSER THAN 3'-0" FROM THE EDGE OF TRAVELED LANE.



ISSUE DATE: AUGUST 01, 2017





MISS.

STATE

PROJECT NO.

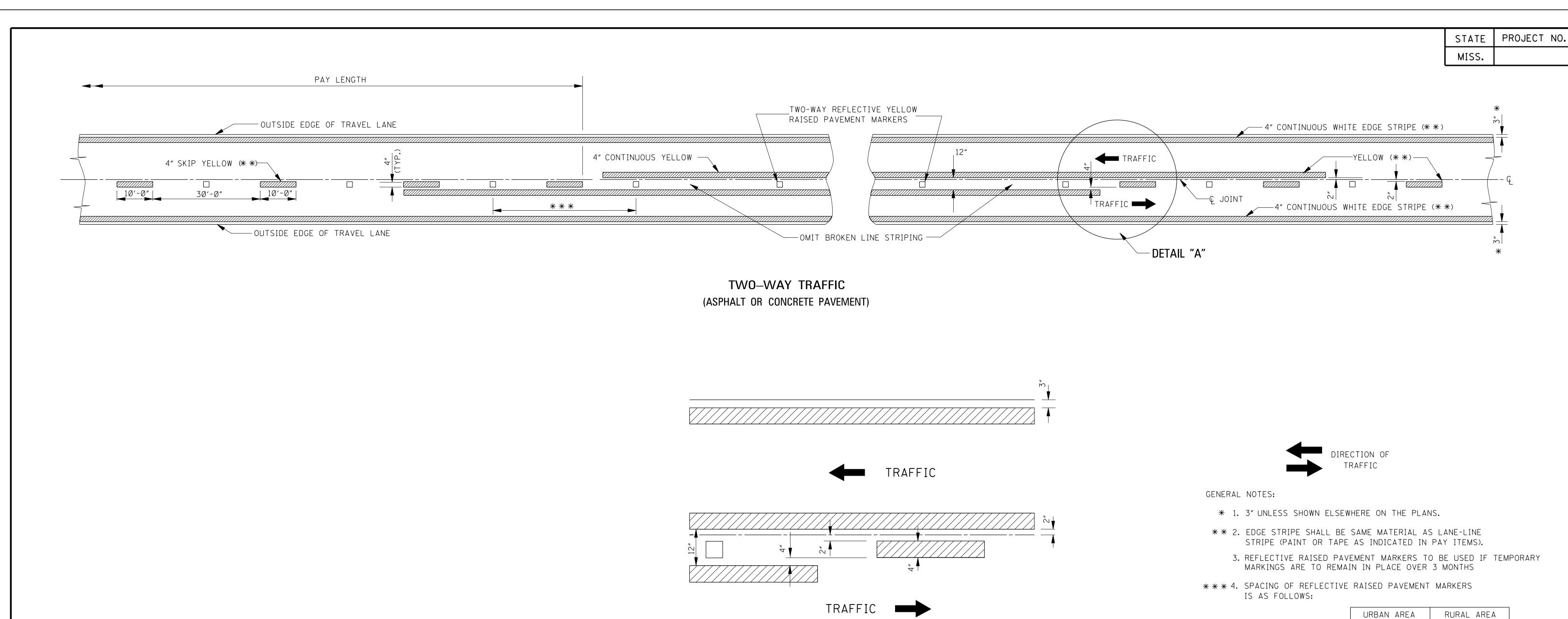
GENERAL NOTES:

- 1. UNEVEN LANE LINE:
- A. IF LESS THAN OR EQUAL TO 11/2", NO SIGNS REQUIRED.

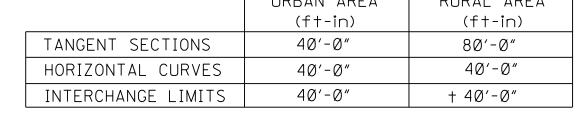
 B. IF GREATER THAN 11/2" AND LESS THAN OR EQUAL TO 21/4", PLACE SIGNS AS SHOWN ON THIS SHEET.

 C. IF GREATER THAN 21/4", TRAFFIC SHOULD NOT BE ALLOWED TO CROSS UNEVEN LANE LINE.
- 2. THE W8-11 SIGNS SHOULD BE SPACED AT $\frac{1}{4}$ -MILE INTERVALS THROUGHOUT UNEVEN LANE LINE LIMITS.
- 3. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC.



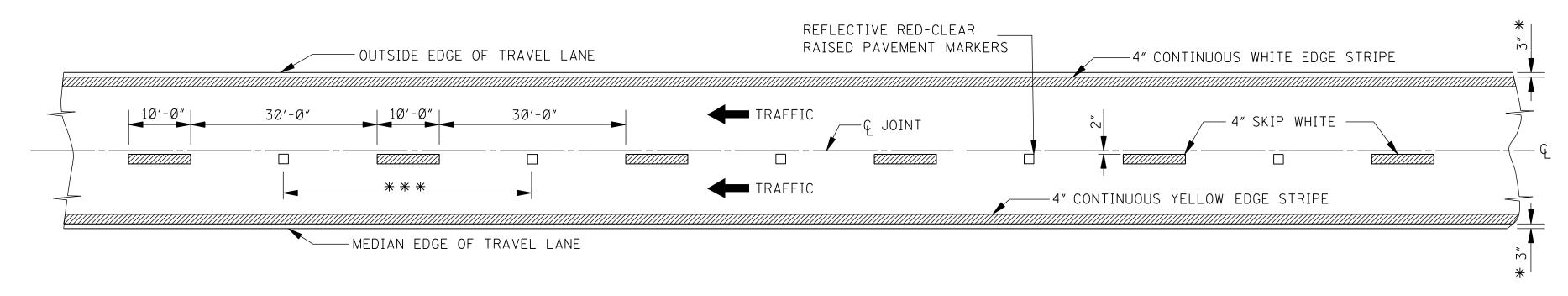


DETAIL "A"



- + NOTE: ON THE MAIN FACILITY, REFLECTIVE RED-CLEAR RAISED PAVEMENT MARKERS ON A 40'-0" SPACING WILL BE REQUIRED ON LANE-LINE(S) THROUGH ALL INTERCHANGE AREAS BEGINNING 1000' IN ADVANCE (IN DIRECTION OF TRAFFIC) OF THE EXIT RAMP TAPER AND CONTINUING THROUGH THE INTERCHANGE TO THE END OF THE ENTRANCE RAMP TAPER.
- 5. PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE REFLECTIVE RAISED PAVEMENT MARKERS AS LISTED IN THE MDOT "APPROVED SOURCES OF MATERIALS."





4-LANE WITH ONE-WAY TRAFFIC

1st O.REV.

STATE PROJECT NO.

MISS. **BR-0058-01(037)**

DESCRIPTION OF SHEETS	WORKING	SHEET
SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	NUMBER	NUMBER
DETAILED INDEX (BRIDGE) BRIDGE AT STATION 1151+55 - SR 50 OVER CHUQUATONCHEE CREEK - BRIDDGE REPAIR RISER REPAIR PLATE DETAILS BEARING PLATE REPLACEMENT DETAILS GIRDER SUPPORT PLATE AND STEEL PILE CONNECTING ANGLE DETAILS JOINT REPAIR DETAILS RIPRAP PLACEMENT PLAN BRIDGE EROSION CONTROL	DI-BR-1 1 OF 7 2 OF 7 3 OF 7 4 OF 7 5 OF 7 7 OF 7	8001 8002 8003 8004 8005 8006 8007 8008

SPECIAL DESIGN SHEETS	WORKING	SHEET
INFORMATION PLANS	NUMBER	NUMBER
INFORMATION ONLY PLAN		8009 8010 8011 8012 8013 8014 8015

BRIDGE DIVISION				
<i>REVISIONS</i>				
DATE	SHEET NO.	BY		
02/18/2019	8002	DAC		
02/18/2019	8007	DAC		

OF TRANSPORTATION OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX (BRIDGE)

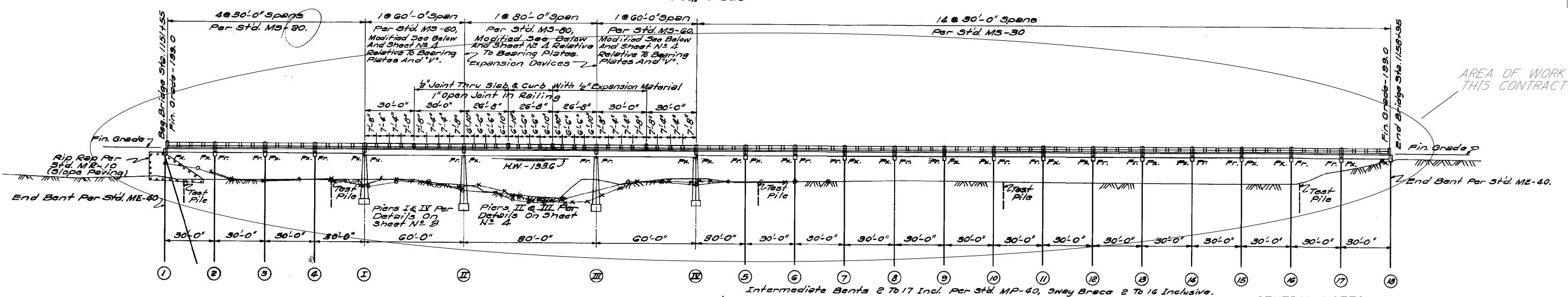
EMS: 107860 / 301000 COUNTY: CLAY

PROJECT NUMBER: BR-0058-01(037)

DESIGNER Aaron Cagle CHECKER Chris Duncan
DETAILER Aaron Cagle ISSUE DATE 11/28/2018

DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, P.E.
DEP. DIR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.

WORKING NUMBER
DI-BR-1
SHEET NUMBER



SEQUENCE OF CONSTRUCTION AND SCOPE OF WORK:

- 1. Jack the bridge at Piers I and IV, and install riser repair plates as indicated on sheet no. 8003. Work shall be paid for per each plate under pay item 907-824-PP006, Bridge Repair, Riser Repair Plates, Per Plans.
- Remove and replace the existing bearing plates of the existing bearing assemblies at Piers I and IV. For bearing plate and anchor bolt details see sheet no. 8004. Work shall be paid for per each bearing under pay item 907-824-PP006, Bridge Repair, Bearing Plate Replacement, Per Plans.
- Remove unsound concrete from steel pile encasements as directed by the Project Engineer. Work for this item shall be absorbed under pay item 907-824-PPÖO5, Bridge Repair, Epoxy Repair, Per Plans. However, they shall not be restored with epoxy mortar until the exposed steel has been abrasive blasted, inspected for
- section loss, and painted as per scope of work item numbers 4 and 8. Abrasive blast all'structural'steel members for the superstructure and substructure in accordance with these plans and special provisions. This item of work shall be included as part of lump sum pay item 907-845-A001. Once abrasive blasting is complete, the prime coat shall be applied in accordance with these plans and special provisions. After applying the prime coat, the Contractor and Project Engineer shall inspect all primed components for section loss, including portions of the steel piles that were exposed after removal of unsound encasements. See notes on this sheet regarding repair of members with section loss.
- Install interior girder support plates as per the details on sheet no. 8005. Work shall be paid for per each girder repaired under pay item 907-824-PP006, Bridge Repair, Interior Girder Support Plates, Per Plans.
- Install exterior girder support plates as per the details on sheet no. 8005. Work shall be paid for per each girder repaired under pay item 907-824-PP006, Bridge Repair, Exterior Girder Support Plates, Per Plans.
- Install steel pile connecting angles as per the details on sheet no. 8005. Work shall be paid for per steel angle installed under pay item 907-824-PP006, Bridge Repair, Steel Pile Connecting Angles, Per Plans. Apply the final two coats of paint to structural steel members in accordance with
- these plans and Special Provision 907-845. Work shall be paid for by lump sum under pay item 907-845-A001.
- 'Rémove all damaged or unsound concrete and repair concrete spalled areas using epoxy mortar at the locations indicated by the Project Engineer. Work for epoxy repair shall be performed as per the notes and details on this sheet and shall be paid for in cubic feet under pay item 907-824-PP005.
- 10. Remove existing joint material and repair and reseal existing joints in accordance with the details shown on sheet no. 8006. Work shall be paid for in linear feet under pay item nos. 907-808-A002, 907-823-A001, and 907-823-B001. 11. Clean all bent caps in accordance with the notes on this sheet. Work shall be paid for per each cap cleaned under pay item 907-824-PP006, Bridge Repair, Cap Cleaning, Per
- and 8008. Work shall be paid for under pay items nos. 234-C001, 234-F001, 815-A007, and 815-E001.

ELEVATION WITH PROFILE ON & ROADWAY

ABRASIVE BLASTING AND PAINTING NOTE: All structural steel members of the superstructure and substructure shall be abrasive blasted, as referenced in 907-845.03.7.6 of the required special provision and repainted. The square footage of 28,000 sq. ft. given for these items is for information purposes only and is approximate and will not be measured for payment. Actual square footage may be more or less than given, but shall not be basis for additional compensation. Payment shall be made by the (Lump Sum) regardless of over-run or under-run of the given square footage. A containment system shall be required for this project. The Contractor shall design, install and maintain a containment system in accordance with the special provision to assure that the traveling public will not be exposed to construction debris and materials during the cleaning and painting process. The Contractor will be required to properly dispose of all debris at an approved landfill. Incidental work such as project clean up, debris disposal, and other incidental work necessary to complete the project will not be measured for separate payment and will be considered absorbed items.

EPOXY MORTAR REPAIR NOTES:

Repair concrete spalled areas using epoxy mortar on the bridge as directed by the Project Engineer and the epoxy mortar spall repair detail on this sheet. Repair areas shall include, but are not limited to, the concrete drop slabs on the underside of the bridge deck, the concrete risers at Piers 1 and IV, and the steel pile encasements at the ground level. Spalled areas where pack rust has developed around or on reinforcement shall be removed by small hand tools or pressure washing (using 3500 psi pressure). All areas of the bridge repaired with epoxy mortar shall be restored to the original dimensions and details on the information plans.

- Epoxy Resin: Resin shall be selected from the MDOT Approved Products List. Silica Sand: The materials shall be bagged general purpose cleaning sand. Epoxy Mortar Mix: The epoxy mortar mix shall consist of part liquid epoxy and part clean dry sand mixed in the ratio recommended by the Manufacturer.
- 4. General: A. A Representative of the Epoxy Manufacturer must be present for sufficient time to ensure that the Contractor is properly schooled in the use of the epoxy material.
 - B. Prior' to placement of the mortar mix, the prepared surface shall be lightly primed with neat epoxy.
- C. Acetone alcohol may be used to clean and lubricate trowels. D. Curing time shall be in accordance with the Manufacturer's recommendations. 12. Install erosion control measures and place riprap as per the details on sheet nos. 8007 5. All items of work related to epoxy repair shall be paid for under pay item 907-824-PP005: Bridge Repair, Epoxy Repair, Per Plans.

CAP CLEANING NOTE:

Cap cleaning should be performed by removing all large debris by hand. All other debris (dirt and rust) shall be removed by pressure washing the bent caps to the satisfaction of the Project Engineer. The pressure washer sha'll be able to maintain 3,500 Psi of pressure.

	ESTIMATED BRIDGE QUANTITIES		
PAY ITEM CODE	DES CRIPTION	UNIT	QUANTITY
234-A001	Temporary Silt Fence	LF	180
815-A007	Loose Riprap, Size 300	TON	730
815-E001	Geotextile under Riprap	57	540
907-808-4002	Joint Repair	LF	1108
907-823-4001	Preformed Joint Seal, Type !	LF	554
907-823-8001	Saw Cut, Type I	LF	1108
907-824-PP006	Bridge Repair, Bearing Plate Replacement, Per Plans	EACH	8
907-824-PP006	Bridge Repair, Cap Cleaning, Per Plans	EACH	22
907-824-PP005	Bridge Repair, Epoxy Repair, Per Plans	CF	35
907-824-PP006	Bridge Repair, Exterior Girder Support Plates, Per Plans	EACH	7
907-824-PP006	Bridge Repair, Interior Girder Support Plates, Per Plans	EACH	6
907-824-PP006	Bridge Repair, Riser Repair Plates, Per Plans	EACH	14
907-824-PP006	Bridge Repair, Steel Pile Connecting Angles, Per Plans	EACH	104
907-845-A001	Coating Existing Structural Steel	L5	/

SPECIAL PROVISIONS REQUIRED: 907-808: Joint Repair 907-823: Preformed Joint Seal 907-845: Coating Existing Structural Steel

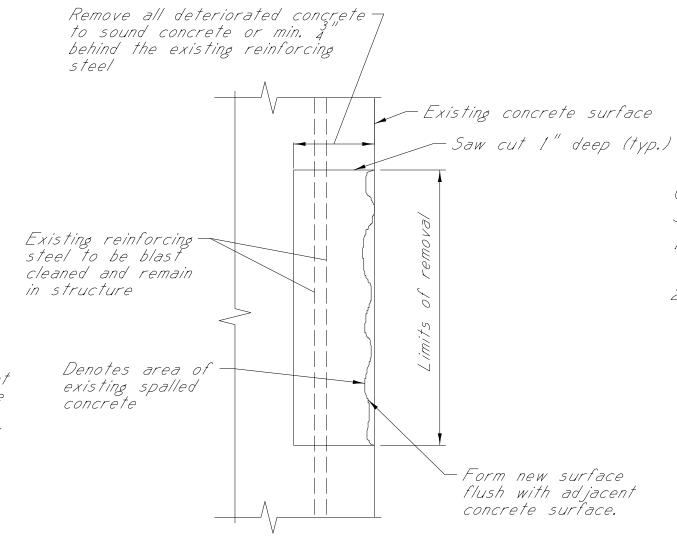
INFORMATION PLANS: Original pro j. no. 5.P.10-1509(1). See sheet nos. 8009-8015 of these plans.

MAINTENANCE OF TRAFFIC NOTE:

Maintain traffic in accordance with section 618 of the Standard Specifications of Road and Bridge Construction, 2017 Edition, the latest edition of the Manual on Uniform Traffic Control Devices, and the traffic control sheets included in these plans.

!" SAWCUT NOTES:

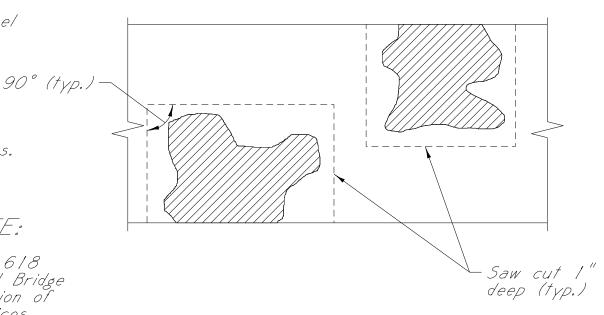
All I" sawcuts shall be considered an absorbed item of work. The Contractor shall verify depth of reinforcing steel before making any sawcuts. The depth of the sawcut shall be no more than the depth of the reinforcing steel. Any damage to reinforcing steel shall be repaired to the satisfaction of the Engineer at no cost to the State.



Denotes areas of existing spalled concrete

*NOTE: Saw cut existing concrete !" deep so as to obtain a rectangular area. All existing reinforcement shall be carefully preserved and

blast cleaned.



EPOXY MORTAR SPALL REPAIR DETAIL

GENERAL NOTES:

- Specifications: Mississippi Standard Specifications For Road and Bridge Construction. 2017.
- No change of plans will be permitted except by written approval of
- the Director of Structures, State Bridge Engineer. 3. Minor changes in detail of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer
- provided such changes will not be cause for contract price adjustment. Work for which no pay item is provided will not be paid for directly
- and shall therefore be considered an absorbed item of work. 5. All details are based on the dimensions shown on the original plans for the existing structure. The Contractor shall be responsible for adjusting the elements
- of the new construction to ensure a proper fit with the existing structure. 6. Any damage that occurs to the existing structure during the duration of the project shall be repaired to the satisfaction of the Engineer by the Contractor
- at no additional cost to the State. Contact areas where new concrete is placed against old concrete shall be cleaned then coated with an approved epoxy binder designed to bond new, concrete to old.
- The binder shall be applied in accordance with the Manufacturer's recommendations. 8. During construction care shall be exercised to ensure that no debris fall into the hydraulic crossing below the structure. The debris that is removed from the bridge s'hall become the property of the Contractor and shall be removed from the construction site.

CONTRACTOR FIELD VERIFICATION & SHOP DRAWING SUBMITTAL NOTES

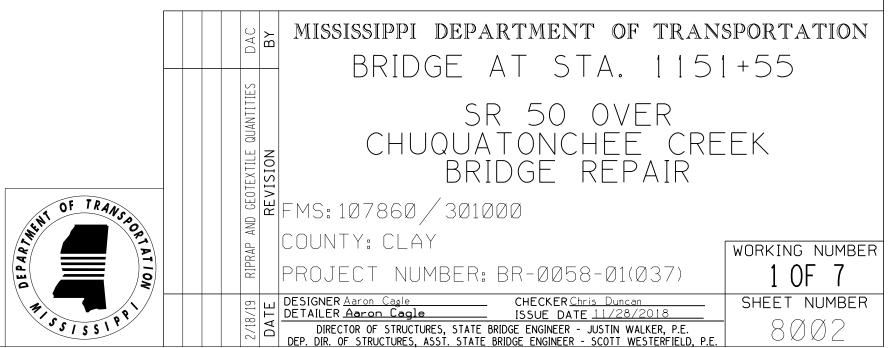
- 1. Prior to fabrication and construction, the Contractor shall field verify the dimensions of the existing structure. The Contractor shall be responsible for adjusting the elements new construction to ensure proper fit with the existing structure.
- 2. Prior to fabrication and construction, the Contractor shall submit verification of the existing bridge elements associated with pay item nos. 907-824-PP006, Bridge Repair, Bearing Plate Replacement, Per Plans, 907-824-PP006, Exterior Girder Support Plates, Per Plans, 907-824-PP006, Interior Girder Support Plates, Per Plans, 907-824-PP006, Riser Repair Plates, Per Plans, and 907-824-PP006, Steel Pile Connecting Angles, Per Plans, to the Director of Structures, State Bridge Engineer for approval. Notes on these items of work can be found on sheet nos. 8003, 8004, and 8005.

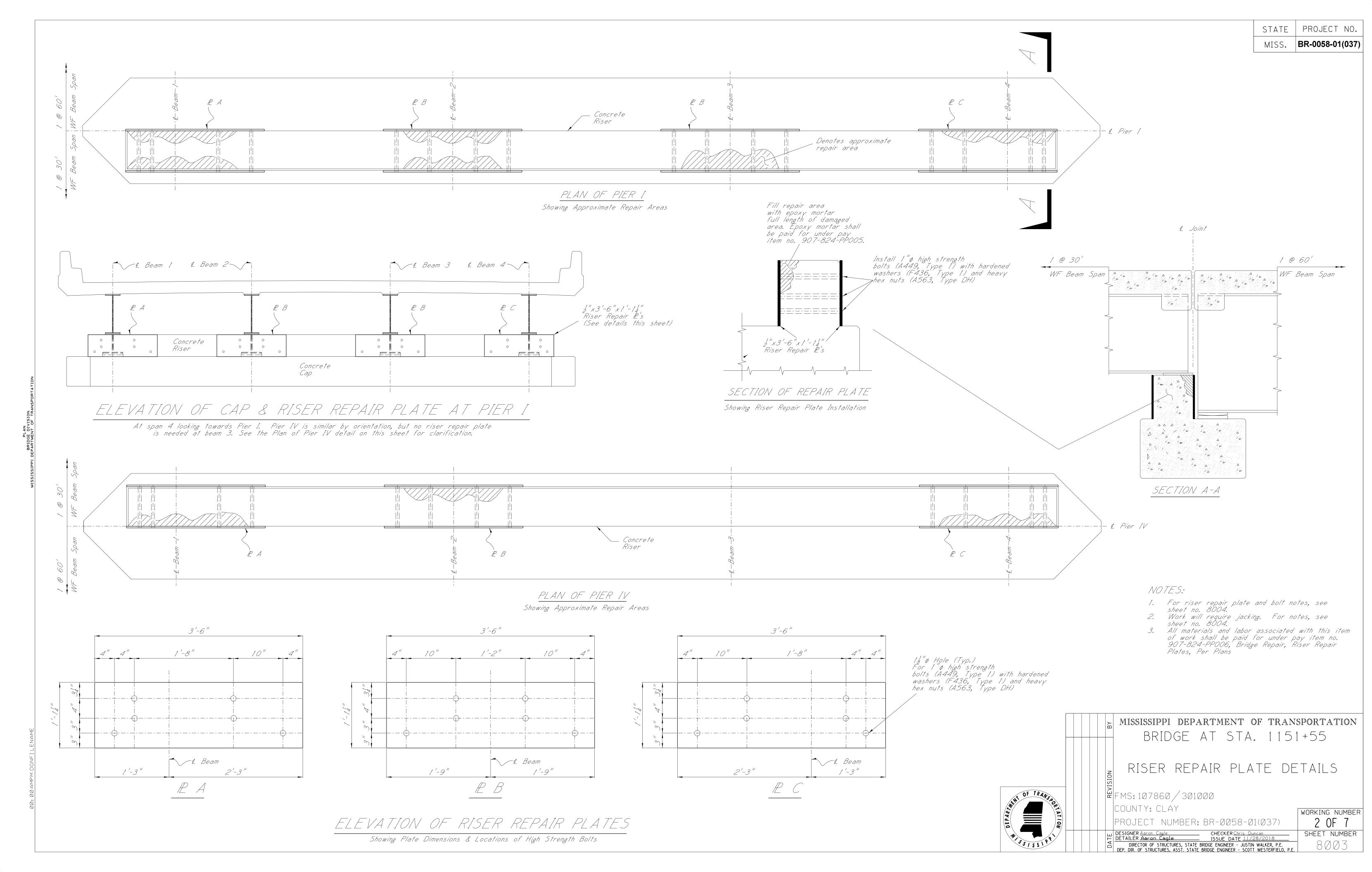
NOTES ON REPAIRING MEMBERS WITH SECTION LOSS

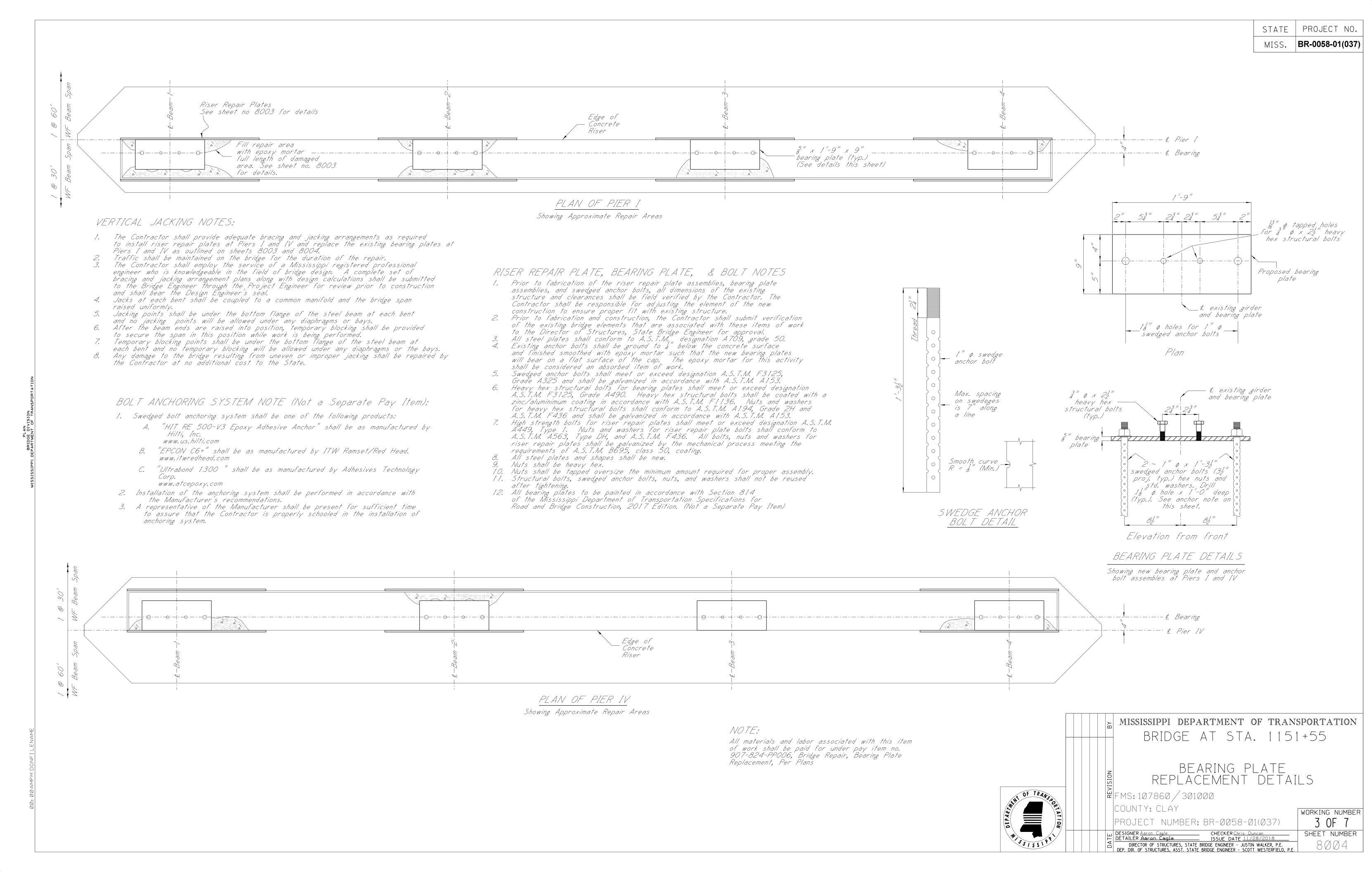
It should be noted that areas where the steel pile encasements are cracked and separated from the piles shall have all unsound concrete removed. Prior to restoring these elements' to their original dimensions, the exposed steel shall be abrasive blasted, as referenced in 907-845.03.7.6 of the required special provision and painted.

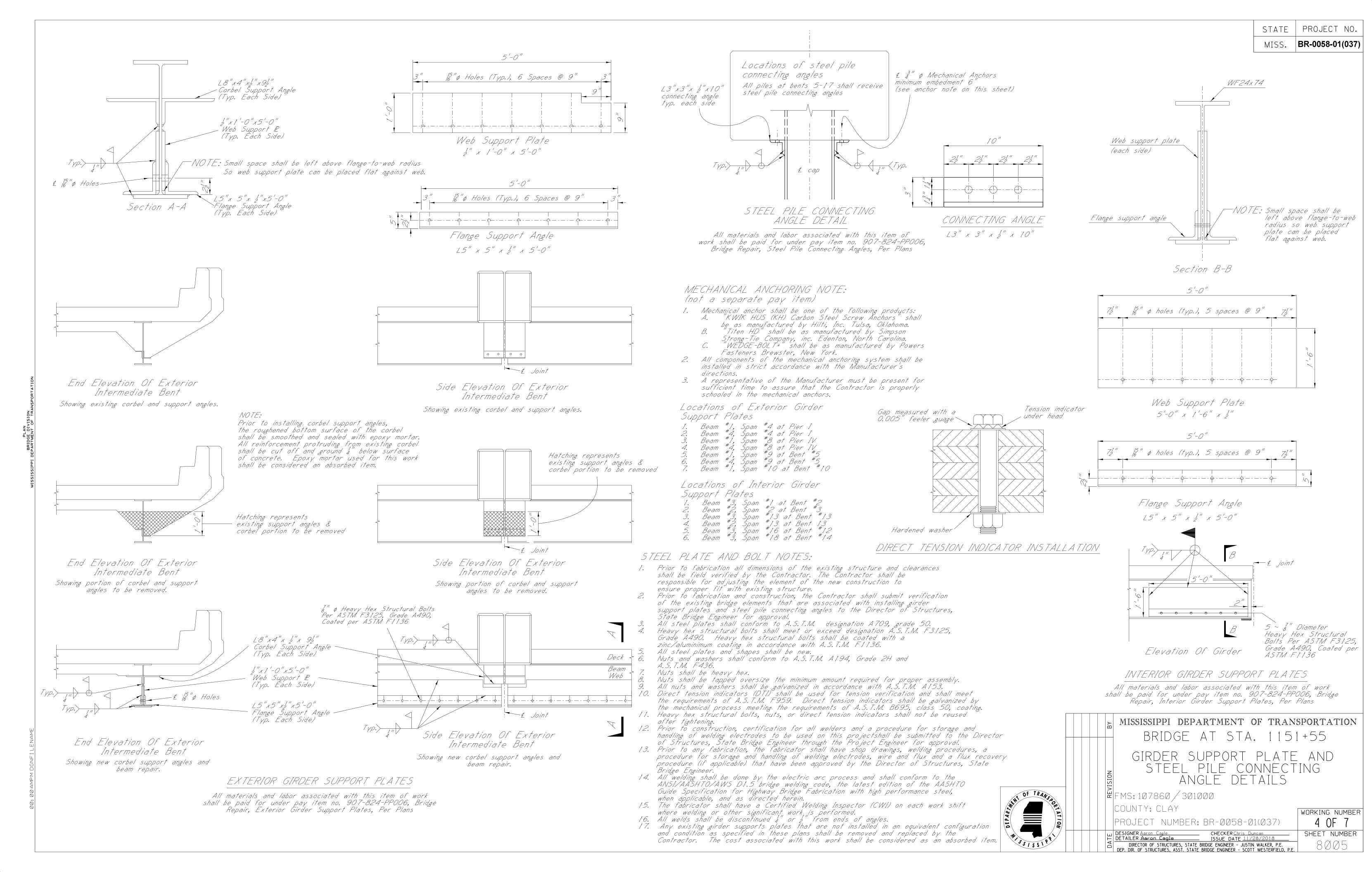
Upon exposure of the steel piles, any section loss that is observed after abrasive blasting and applying a prime coat shall be reported to the Project Engineer. The Project Engineer shall then notify the Director of Structures, State Bridge Engineer, who will develop a plan of action for addressing the section loss prior to applying the final two coats of paint.

Similarly, any section loss that is observed after abrasive blasting and applying a prime coat for any other structural steel member shall be reported to the Project Engineer. The Project Engineer shall then notify the Director of Structures, State Bridge Engineer, who will develop a plan of action for addressing the section loss prior to applying the final two coats of paint.





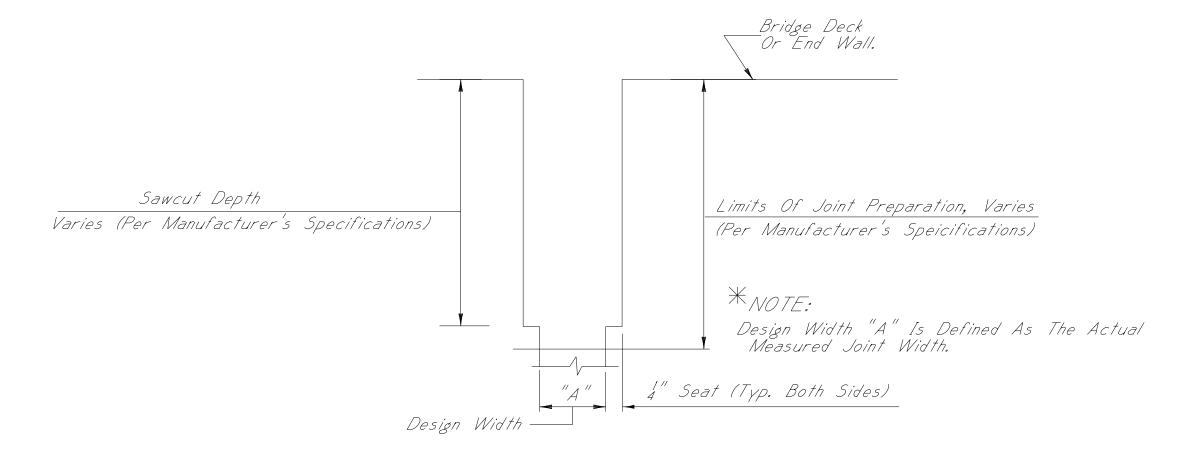




TYPICAL SECTION AT EXISTING JOINT

Showing Existing Expansion Material To Be Removed And Replaced

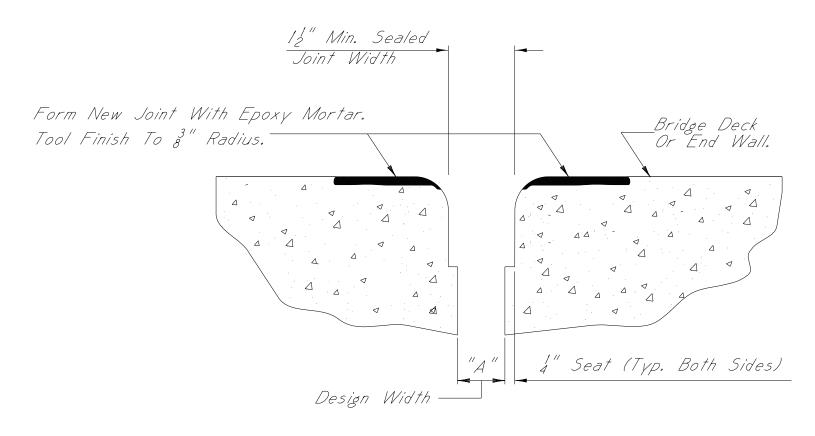
With Preformed Joint Seal



TYPICAL SECTION AT JOINT AFTER REMOVAL OF EXISTING SEAL AND SAWCUT

Showing Limits Of Joint Preparation For Application Of New Joint

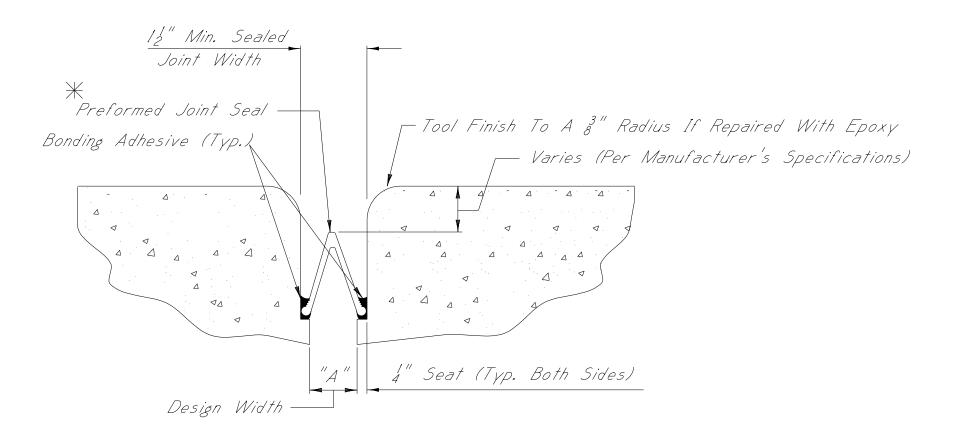
Seal Materials And Sawcut



TYPICAL SECTION AT SAWCUT & JOINT REPAIR

Showing Area Where Repairs Are Made After Sawcut,

With Epoxy Mortar Or Approved Equivalent

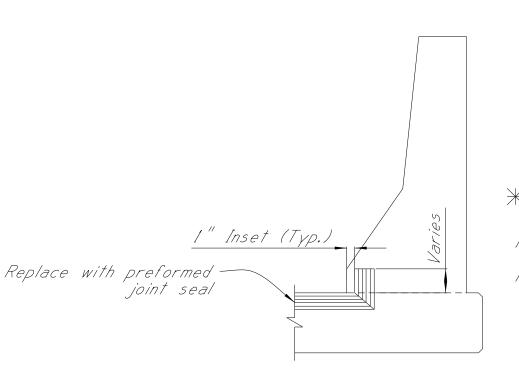


TYPICAL SECTION AT SAWCUT & SEALED JOINT

Showing Sealed Joint After Sawcut And Repair With Epoxy Mortar

* NOTES:

- 1. The Preformed Joint Seal Shall Be One Of The Following, Installed According To The Manufacturer's Specifications:
 - A. Silicoflex Joint Sealing System Manufactured By R.J. Watson, Inc. In Alden, NY www.rjwatson.com
 - B. Wabo SPS Joint System Manufactured By Watson Bowman Acme Corporation In Amherst, NY www.wbacorp.com
 - C. Silspec SSS Silicone Strip Seal Manufactured By SSI Commercial & Highway Construction Materials www.ssicm.com
- 2. For Estimating Purposes, The RJ Watson Silicoflex Joint Sealing System Was Selected. However, Should Another Supplier Be Chosen, It Is The Contractor's Responsibility To Ensure That The Manufacturer's Recommendations Are Followed For Joint Preparation, Installation Depths And Widths, Adhesive Setting Times, And Any Other Variances Between The Specifications Provided By The Manufacturers. A Manufacturer Representative Shall Be Present At The Time Joint Sealing Begins To Ensure That The Contractor Is Properly Schooled In Installation Of The Joint Material.
- 3. Joints Shall Be Sealed At Their Design Widths, Dimension "A", Which Is Defined As The Actual Width Of The Joint Opening. This Width Does Not Account For The 4" Seat Required On Both Sides Of The Joint. Preformed Joint Seal, Type I, Shall Be Used For Design Widths Less Than 2". Preformed Joint Seal, Type II, Shall Be Used For Design Widths Greater Than or Equal To 2", With The Maximum Design Width Being 22". In Cases Where Design Widths Are Greater Than 22", Another Type Of Expansion Material Shall Be Required As Directed By The Director Of Structures, State Bridge Engineer. It Is The Contractor's Responsibility To Ensure That The Size Selected Is Appropriate For The Width Of The Joint.



* NOTES:

For Jersey Shape Barriers, The Minimum Required Vertical Joint Seal Dimension Within The Barrier Is 3". For Post And Beam Barriers, The Minimum Required Vertical Joint Seal Dimension Within The Barrier is 6".

ELEVATION AT END OF SPAN

END SPAN JOINTS:

It should be noted that the joint between the approach pavement and the end span of the bridge shall be left as is. No work shall be performed on these bridge elements.

SLIDING PLATE JOINTS:

It should be noted that the sliding plate joints on this bridge shall be left as is. No work shall be perform on these bridge elements.

NOTES ON ASSOCIATED ITEMS OF WORK:

907-808-A002 JOINT REPAIR

Description: Shall Include The Work Necessary To Repair Joints In

Preparation For The Placement Of New Expansion Material,

As Designated In The Detail Drawings Provided Enoxy More

As Designated In The Detail Drawings Provided. Epoxy Mortar
Shall Also Be Included Under This Item Of Work. Removal
Of Existing Silicone Sealed, Compression, And AC Sealed Joint
Materials Will Not Be Paid For Directly And Shall Be Considered
As Absorbed Under This Item Of Work. All Other Requirements
Shall Be In Accordance With The Applicable Provisions Of
Section 808 Of The Specifications And Any Other Sections

Specified Therein.

Basis Of Payment: The Accepted Quantities Will Be Paid For In Linear Feet At
The Contract Unit Price Along The Length Of The Bridge Deck

The Contract Unit Price Along the Length Ut The L On Each Side Of The Centerline Joint.

907-823-B001 SAW CUT, TYPE I & 907-823-B002 SAW CUT, TYPE II

Description: The Saw Cut Depth Shall Be Equivalent To The Installation Depth

Required By The Manufacturer's Specifications. The Saw Cut Type Shall Be The Same As The Preformed Joint Seal Selected.

Basis of Payment: The Accepted Quantities Will Be Paid For In Linear Feet At

The Contract Unit Price Along The Length Of The Bridge Deck

On Each Side Of The Centerline Joint. It Is The Contractor's Responsibility To Ensure That The Proper Depth Is Selected

Based On The Manufacturer's Recomendations.

907-823-A001 PREFORMED JOINT SEAL, TYPE I 907-823-A002 PREFORMED JOINT SEAL, TYPE II

Description: Shall Include The Manufacturer's Required Joint Preparation

Including Sandblasting Both Sides Of The Joint And Blowing The Joint Free Of Debris With Compressed Air And Placement Of The New

Preformed Joint Seal

Basis Of Payment: The Accepted Quantities Will Be Paid For In Linear Feet At The Contract Unit Price Along The Length Of The Centerline

Joint.

EPOXY MORTAR AND POLYMER CONCRETE NOTES:

Either Epoxy Mortar Or Polymer Concrete May Be Used. Guidelines For Selection Of Materials Can Be Found In Section 808 of the Specifications.

GENERAL NOTES:

- 1. Specifications: Mississippi Standard Specifications For Road

 And Bridge Construction, 2017.
- 2. No Change Of Plans Will Be Permitted Except By Written
 Approval Of The Director Of Structures, State Bridge Engineer.
 Minor Changes To Detail Of Design Or Construction Procedure
 May Be Authorized By The Bridge Engineer Provided Such Changes
 Will Not Be Cause For Contract Price Adjustment.
- 3. Work For Which No Pay Item Is Provided In The Proposal Will Not Be Paid For Directly And Shall Therefore Be Considered An Absorbed Item of Work.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 1151+55

JOINT REPAIR DETAILS

FMS: 107860 / 301000 COUNTY: CLAY

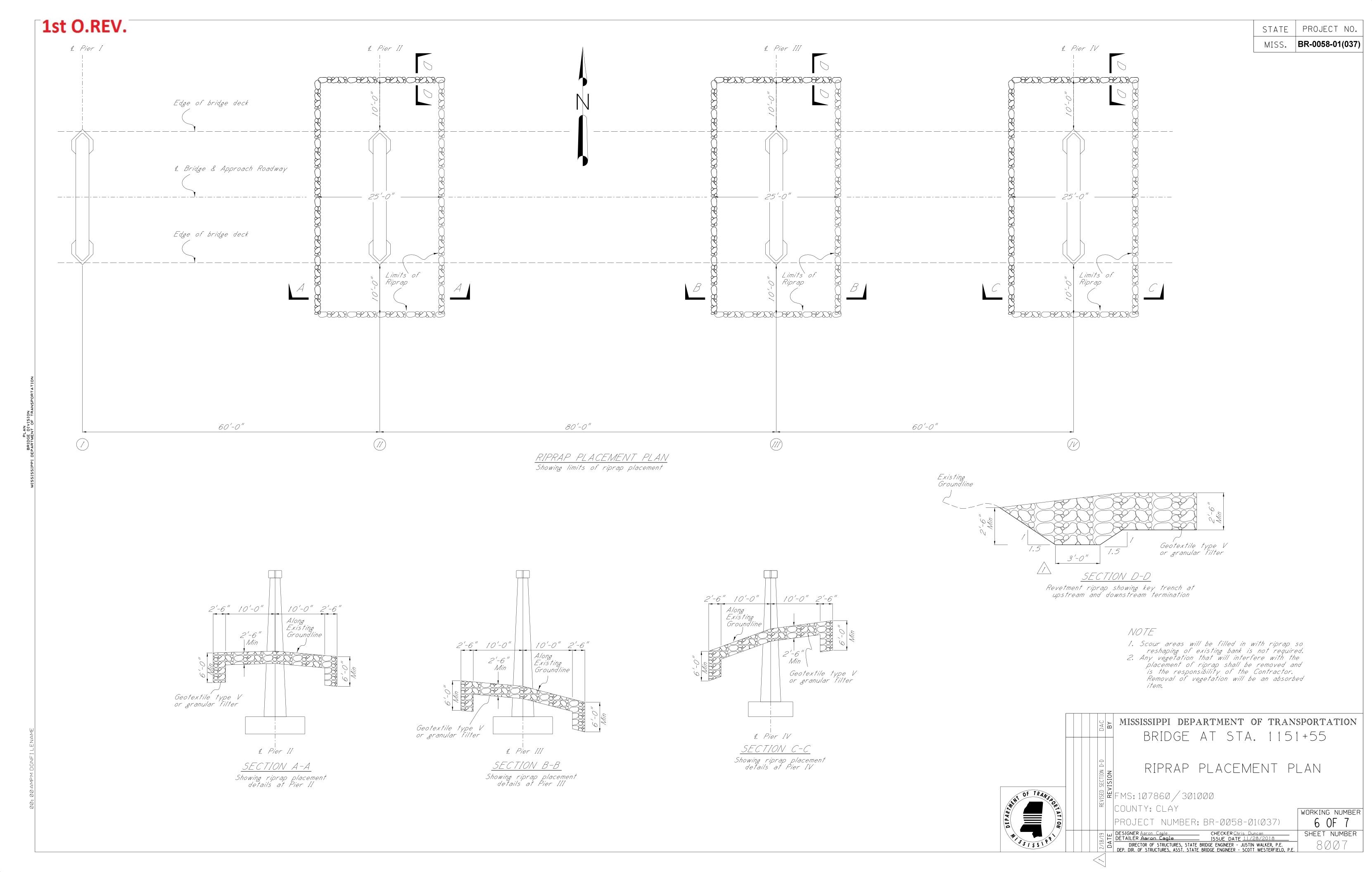
PROJECT NUMBER: BR-ØØ58-Ø1(Ø37)

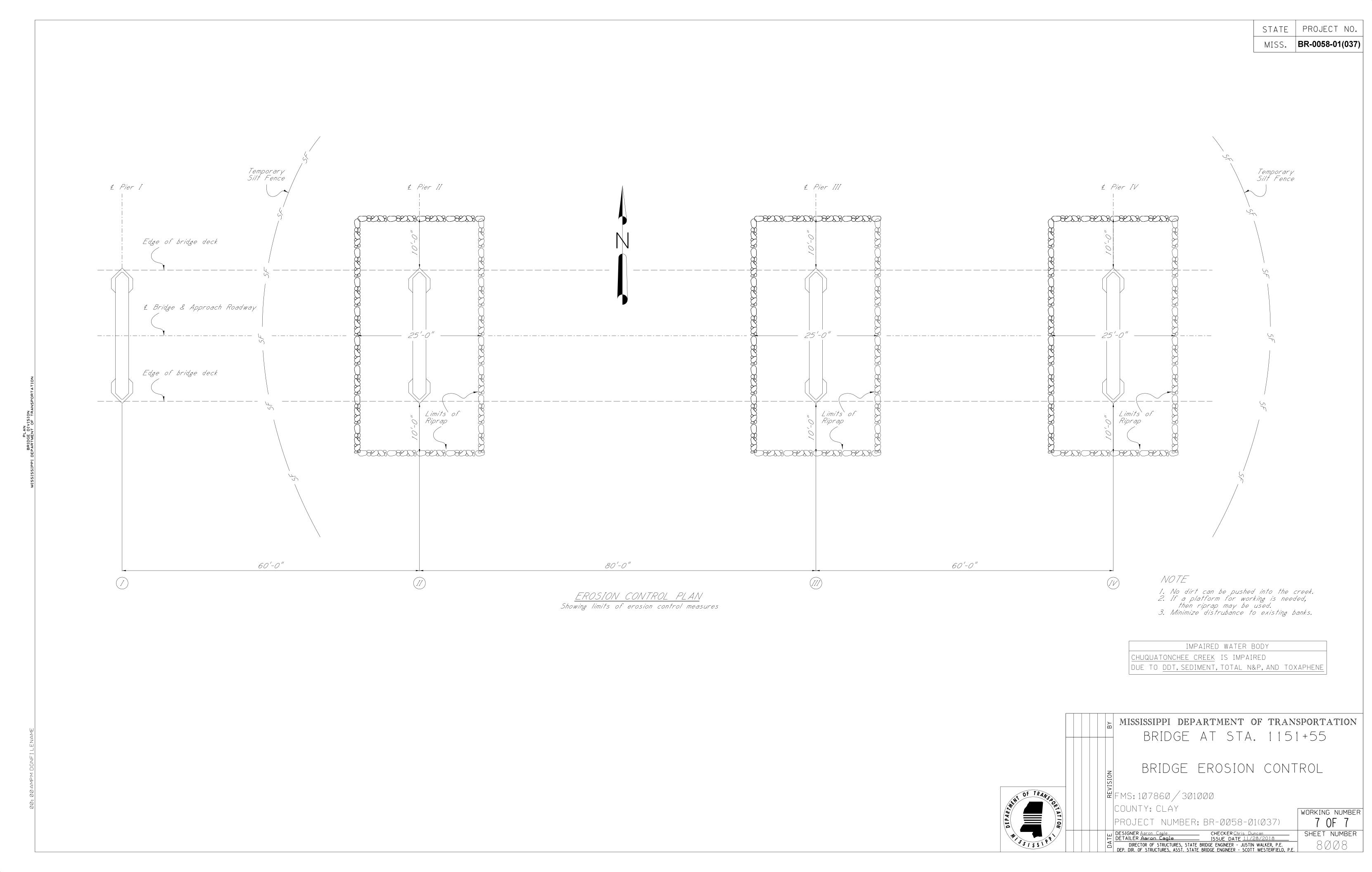
DESIGNER Aaron Cagle CHECKER Chris Duncan
DETAILER Aaron Cagle ISSUE DATE 11/28/2018

DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, P.E.
DEP. DIR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.

5 OF 7 SHEET NUMBER 8006

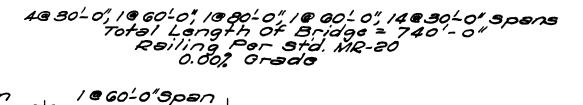
WORKING NUMBER

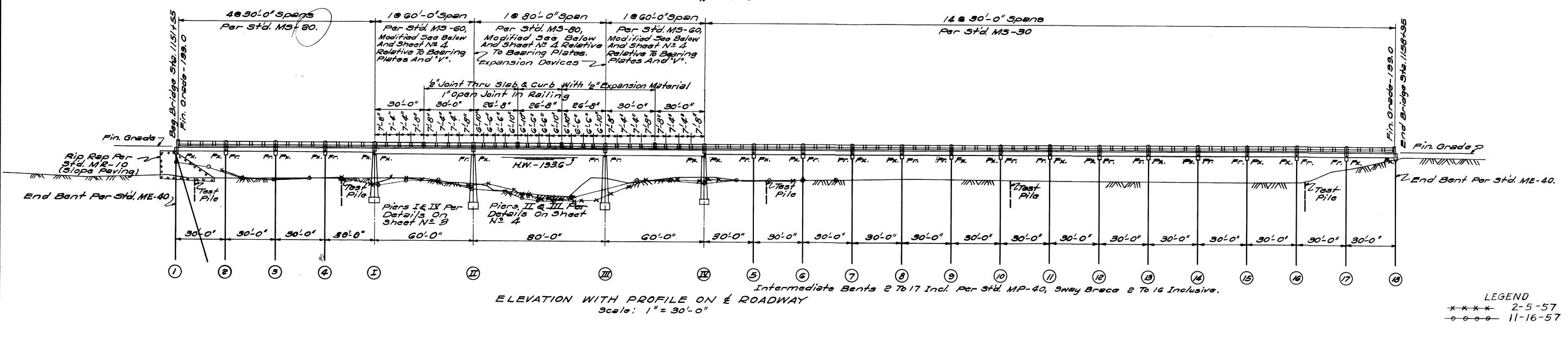




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	E97	IMATED	6	QUANTITIES				
stem' Leastion	Class "B" Bridge Conc. Cu. Yds	Class*C* Bridge Conc Cu. Yds.	Reinforcing Steel Lbs.		Steel Piling Lin. Ft.	Conc. Rip Rad Slope Feving Cu. Yds.	Bridge Reiling Lin. Ff.	Pile Units
30'Appr. Spans	390.20		99,/90	162,760			1080	
60' Spans	85.00		22,000	40,050			240	
80'Spen	57.40		14,550	82,270			160	_
Int. Bents	64.80		6,930	10,950	2112			- 5
Piers I&IV		106.00	9,680					
Piers II & III		148.25	14,250					-
End Bents	11.20		1,730		562	50		1
Totals	608.60	254.25	168,330	296,030	2674	50	1480	5

GENERAL NOTES:

Specifications: Mississippi State Highway Department.

No Unauthorized Change of Plan Will Be Permitted.

Test Piles Shall Be Driven To A Minimum Bearing Capacity of 28 Tons Each And A Minimum Penetration Of 15 Feet Each.

Test Pile Data And Recommended Pile Lengths Shall Be Submitted To The Bridge Department Prior To Placing Order For Steel Piling.

Complete And Permanent Pile Driving Data Shall Be Kept For Submission To The Bridge Department On Completion of Driving.

Expansion Joint Filler Shall Be Cork Or Rubber.

Foundation Elevations Of Piers Are Subject To Change And Shall Be Determined In The Field Prior To Placing Order For Pier Reinforcing.

Bar Lists Of Reinforcing Steel For Piers Shall Be Submitted To The Bridge Department Prior To Fabrication.

Standard Plans Required: MS-30, MS-60, MS-80 MR-20, ME-40 , MP-40, MR-10, MF-20

N Pèrs	BRIDGE	MISSISSIPPI STATE HIGHWAY DEPARTMENT BRIDGE B AT STA. 1151 + 55 CHUCK ATOMORY STATE SP.10-1509 (I)					
REVISIONS	S.F						
, Jet	CLAY		COL	JNTY			
Cer	SUBMITTE	D BY	BF	RIDGE ENGINEER			
DATE	TRACED JLH	CHECKED	ISSUEDDATE	SHEET NUMBER			

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3 Prints.

