

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by execution of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. 1 DATED 5/18/2016 ADDENDUM NO. DATED
 ADDENDUM NO. DATED ADDENDUM NO. DATED

Number	Description
1	Revised Table of Contents; Revised NTB Nos. 5916 & 5921; Add NTB No. 6016; Remove SP 907-707-5; Add SP Nos. 907-630-15 & 907-721-4; Revised BidItems; Revised or Added Plan Sheet Nos. 2, 11, 13, 8001, 8020, 8035, 8051, & 8065; Amendment EBS Download Required.

TOTAL ADDENDA: 1
 (Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

 Contractor

BY _____

Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____ President	_____ Address
_____ Secretary	_____ Address
_____ Treasurer	_____ Address

The following is my (our) itemized proposal.

Revised 07/2015

EXB-0051-02(021) / 102383301

Tallahatchie County(ies)

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
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05/18/2016 09:56 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 5916

CODE: (SP)

DATE: 05/18/2016

SUBJECT: Contract Time

PROJECT: EXB-0051-02(021) 102383301- Tallahatchie County

The date for completion of work to be performed under this contract will not be a specified date, but shall be when all the allowable working days are assessed, or any extension thereto as provided in Subsection 907-108.06. The working days will be as shown by the Contractor on the Expedite Bid Sheets.

It is anticipated that the Notice of Award will be issued no later than **June 14, 2016** and the effective date of the Notice to Proceed / Beginning of Contract Time will be **August 15, 2016**.

Should the Contractor request a Notice to Proceed earlier than **August 15, 2016** and it is agreeable with the Department for an early Notice to Proceed, the requested date will become the new Notice to Proceed / Beginning of Contract Time date.

Prior to beginning work, the Contractor is required to submit a Progress Schedule to the Project Engineer for review and approval.

The 180 calendar days for embankment consolidation have been included within the maximum amount of contract time.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 5921

CODE: (SP)

DATE: 05/18/2016

SUBJECT: Contract Modifications

PROJECT: EXB-0051-02(021) / 102383301 – Tallahatchie County

Bidders are advised of the following changes regarding pay items:

- The Estimated Quantities sheets in the Plans reference pay item 630-C003, Steel U-Section Post, 3.0 lb/ft. This is in error. Payment for the Ground mounted signs shall be made using pay item 907-630-C004, Steel U-Section Post, 3.0 to 3.5 lb/ft with a quantity of 390 L.F. The bid items have been corrected to reflect this change.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904- NOTICE TO BIDDERS NO. 6016

CODE: (SP)

DATE: 05/18/2016

SUBJECT: Embankment Surcharge Requirements

PROJECT: EXB-0051-02(021) 102383301– Tallahatchie County

The Bidders are hereby advised that Bridge Abutments for Bridges “B”, “C”, & “D” have Embankment surcharge requirements. At those locations where the Embankment surcharge is required, Borrow material shall be placed and compacted to the specified height of 10 feet plus the Bridge End Abutment finish grade elevation with 2:1 side slopes. Bridge “C” & “D” Abutments do not require the staged placement of the 10’ surcharge lift. The surcharge embankment will be placed and compacted as per the Mississippi Standard Specifications for Road and Bridge Construction, and the project plans. Following the completion of placement and compaction of the 10’ surcharge embankment, the Bridge abutments will undergo a 180 Calendar Day waiting period to allow for any settlement in the surcharge area. For Bridge “B” Abutments, the Borrow material shall be placed in stages, to accommodate loading the Bridge End Abutment. The initial stage will be to bring the fill up to the finish grade elevation, wait a period of 30 calendar days. Following the 30-calendar day waiting period, the second stage requires the Contractor to place and compact an additional 5 feet of material above the finish grade elevation on the surcharge area designated in the plans. Following a second 30-calendar day waiting period, the third stage begins where the contractor is required to place and compact the final 5 feet of borrow material. Completion of this stage will result in the surcharge embankment elevation being 10 feet above the finish grade elevation. Upon completion of this third stage the project’s 180-calendar day waiting period begins at each site. The VW Piezometer’s and the settlement plates shall be monitored as per the plans, and Special Provision 907-207 & Special Provision 907-252 of the contract documents. Settlement plates will only be used to determine when the settlement of the fill has completed, and provide an allowable time to begin driving Bridge abutment piles. Settlement Plate data **will not** be considered for any excavation payment.

Bridge “B” Abutment Requirements

Cross sections will be required prior to, and immediately following each of the 5 foot embankment surcharge lifts. This will ensure that the contractor is compensated for any material placed. Following the completion of the 180-calendar day waiting period the embankment surcharge area will be cross sectioned prior to excess excavation taking place down to the plan finish grade.

Cross Section Sequence of Operations For Bridge "B" Abutments

Borrow Excavation

- #1 Upon reaching the plan finish grade elevation, the department will take a cross section of the embankment surcharge area.
- #2 Following the initial 30-Calendar Day waiting period, the department will take a cross-section immediately prior to placing the initial 5' embankment surcharge lift.
- #3 Upon reaching an elevation of 5' above the plan finish grade elevation, the department will take a cross section for the fill volume of the initial surcharge load. The Embankment Surcharge material must be placed and compacted as per the Mississippi Standard Specification for Road and Bridge Construction, and the project plans.
- #4 Following the second 30-calendar Day waiting period, the department will take a cross section of the embankment surcharge area immediately prior to placing the second 5' surcharge lift.
- #5 Upon reaching an elevation of 10' above the plan finish grade elevation, the department will take a cross section for the fill volume of the second embankment surcharge load. The Embankment Surcharge material must be placed and compacted as per the Mississippi Standard Specification for Road and Bridge Construction, and the project plans.

Excess Excavation

- #6 Following the 180-calendar Day waiting period, the department will take a cross section of the embankment surcharge area immediately prior to removing embankment surcharge material.
- #7 Upon reaching the plan finish grade elevation, the department will take a cross section for the excess volume of the embankment surcharge load.

Bridge "C" & "D" Abutment Requirements

Cross sections will be required prior to, and immediately following the 10' foot embankment surcharge lift. This will ensure that the contractor is compensated for any material placed. Following the completion of the 180-calendar day waiting period the embankment surcharge area will be cross sectioned prior to excess excavation taking place down to the plan finish grade.

Cross Section Sequence of Operations For Bridges “C” & “D” Abutments

Borrow Excavation

- #1 Upon reaching the plan finish grade elevation, the department will take a cross section of the embankment surcharge area.

- #2 Upon reaching an elevation of 10' above the plan finish grade elevation the department will take a cross section for the fill volume of the embankment surcharge load. Embankment surcharge material must be placed and compacted as per the Mississippi Standard Specification for Road and Bridge Construction, and the project plans.

Excess Excavation

- #3 Following the 180-calendar Day waiting period, the department will take a cross section of the embankment surcharge area immediately prior to removing embankment surcharge material.

- #4 Upon reaching the plan finish grade elevation the department will take a cross section for the excess volume of the embankment surcharge load.

The embankment surcharge area is as defined on the project's plans. For Bridge “B” & “D” the area from the toe of the Bridge abutment to 150' from the bridge abutment, measured along the Centerline of the roadway will be considered the embankment surcharge area. For Bridges “C” the area from the toe of the Bridge abutment to 200' from the bridge abutment, measured along the Centerline of the roadway will be considered the embankment surcharge area. The contractor will be responsible for ensuring the finish grade line is met for roadway areas beyond these embankment surcharge limits.

The Borrow material placed and compacted will be paid for under pay item 203-EX017, Borrow Excavation, AH, FME, Class B9 and following the 180-calendar day waiting period the material removed to bring the Bridge End Abutment to plan finish grade will be paid for using pay item 203-G003, Excess Excavation, FM.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-630-15

CODE: (SP)

DATE: 04/26/2016

SUBJECT: Sign Supports

Section 630, Traffic Signs and Delineators, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-630.01--Description. Delete the last three paragraphs of Subsection 630.01 on page 454 and substitute the following.

907-630.01.1--Contractor Designed Supports. When specified as Contractor Designed Metal Overhead Sign Supports, the Contractor will be responsible for the design of the metal overhead sign support(s) and overhead sign supports on bridges(s). The design shall meet the latest requirements of the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals.

The Contractor shall submit to the Director of Structures, State Bridge Engineer, a design using steel. The design shall be a rectangular box truss connected at both the top and bottom to the vertical support posts. With the exception of cantilever mounts, overhead support structures shall have two vertical support posts at each end of the truss. Design drawings, calculations and other necessary supporting data shall be submitted as soon as possible after the Pre-Construction Conference. The controlling sign configuration and total area of design sign shall be labeled on the design drawings. The design shall be prepared by a Professional Engineer registered in the State of Mississippi proficient in the design of overhead sign structures.

The Contractor shall provide a detailed cross section at the location of each new sign truss. At the locations where the truss will span existing roadways, the Contractor shall obtain a surveyed cross section extending beyond the limits of the truss. The cross section will show the horizontal dimensions and elevations of ditches, edge of travel lanes, shoulder lines, pavement crown lines, barriers and retaining walls, etc. The truss and signs shall be located on the cross section and shall include both vertical and horizontal dimensions to the finished roadway surface. The overhead sign truss details provided in the contract plans or documents will not be acceptable as the Contractor's detailed cross section. The cross section information shall be of sufficient accuracy to verify the sign truss dimensions required for each specific location. This information shall be submitted for review with the sign truss shop drawings and calculations.

The Contractor is responsible for designing and constructing modifications to barriers and retaining walls as necessary to carry sign truss loads for sign truss assemblies attached to such structures. Barrier faces must smoothly transition back to the existing barrier section as specified in the plans. All designs and proposed modifications must be stamped by the Contractor's engineer and submitted to the Engineer for review.

Bridge information plans are provided to assist the Contractor's Engineer in designing attachments to bridges. All bridge attachments must be submitted to the Director of Structures, State Bridge

Engineer through the Project Engineer for review. Use of chemical adhesive anchors is prohibited. Mechanical anchors are permissible as approved by the Director of Structures, State Bridge Engineer. Mounting holes for sign assemblies attached to prestressed concrete girders shall be placed at locations where the prestressing strands are not damaged by drilling. Mounting sign assemblies to steel girders by welding is prohibited. A limited number of mounting holes may be drilled only in the steel girder webs at locations which do not interfere with existing members such as bolts, stiffeners, and splice plates. Attachments which cause concentrated loads on girder webs will be spread out along the web both vertically and horizontally by use of steel plates so as to not cause distortion in the web. Drilling in steel girder bottom flanges is prohibited.

The design wind speed shall be as shown in the design specifications with a minimum of 90 mph. In addition to the loads required in the design specifications, overhead sign supports shall be designed to support a uniform load of 40 pounds per linear foot applied vertically to the truss to which the signs are attached, extending along the truss across the roadway below from points four feet outside each outer edge of exterior travel lane, unless otherwise specified. Appropriate damping or energy absorbing devices shall be installed in the event that an overhead structure is erected without installation of the permanent sign panels or if the area of permanent sign panels installed is not sufficient to prevent detrimental wind-induced vibration.

The larger of the following sign configurations shall be used in the design of overhead sign support structures:

- 1) The sign dimensions and configuration shown in the contract plans
- 2) Sign Height: 20 feet; Sign Width: Outer Edge of Exterior Travel Lane to Outer Edge of Exterior Travel Lane plus six (6) feet
- 3) Sign Height: 20 feet; Sign Width: Post to Post Clear Spacing minus 60 feet

The sign widths in configurations 2) and 3) should be located symmetrically about the center of the truss.

907-630.02--Materials. Delete the last three paragraphs of Subsection 630.02 on page 455, and substitute the following.

Structural Steel. Material for posts, chords and bracing members shall meet the requirements of ASTM Designation: A 501 or ASTM Designation: A 53, Grade B. Material for structural shapes, plates, posts and chord caps shall meet the requirements of ASTM Designation: A 36. Material for round tapered monotube shall meet the requirements of ASTM Designation: A 595, Grade A.

Delete Subsection 630.02.5 on page 456, and substitute the following.

907-630.02.5--U-Section Posts. Ground mounted U-section posts shown in the plans or referenced in the contract documents may be steel U-section posts or Tubular Type posts meeting the requirements of Subsection 907-721.02.2. Regardless of whether U-section posts or Tubular Type posts are used, measurement and payment will be under pay item 907-630-C, Steel U-Section Posts.

907-630.05--Basis of Payment. Add the "907" prefix to pay item nos. 630-C, 630-I and 630-J on page 463.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-721-4

CODE: (SP)

DATE: 04/28/2016

SUBJECT: Ground Mounted Sign Supports

Section 721, Materials for Signs, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-721.02--Ferrous Materials.

907-721.02.2--Structural Steel for Sign Supports.

907-721.02.2.1--Ground Mounted Sign Supports. After the third indented paragraph of Subsection 721.02.2.1 on page 746, add the following.

Standard or Rigid and U-Section posts for supplementary directional signs per Subsection 907-721.02.3 "Steel Posts for Small Signs" modified as shown on the plans.

Delete Subsection 721.02.3 on pages 746 and 747, and substitute the following.

907-721.02.3--Steel Posts for Small Signs. Steel posts for small signs shall fall into two categories; 1) a standard or rigid post, or 2) a U-section post.

The standard or rigid posts, also referred to as "tubular type" posts, shall be of various designs (shapes, tubular, etc.) which by size and design will not easily bend away when hit by a moving vehicle. Unless otherwise noted on plan details, standard and rigid posts will require a "breakaway" feature to be incorporated with the post. The material and design of the breakaway feature for the various shapes of standard posts shall be shown by the plan details. Standard or rigid posts shall be fabricated from standard beam shapes of the size, shape, and weight shown on the plans. The material shall conform to the requirements of ASTM A 53, Grade B, Schedule 40 or better with no pressure test required. Other shapes and materials shall be as noted by plan details.

The U-section posts, also referred to as "bendaway" posts, are normally single U-section channels of such size and design that when hit by a moving vehicle will easily bend away from the vehicle without seriously damaging it. U-section posts shall be fabricated to acceptable shape and design to provide the Moment of Inertia and Section Modulus for the requirements of the designated post size shown on the plan details. The post shall meet the requirements of ASTM A 499, Grade 60, or a comparable new billet steel meeting the requirements of ASTM A 572, Grade 60.

All materials furnished for use shall be new, unless otherwise specified by plan details or provisions of the contract.

907-721.02.3.1--Material. Standard round posts shall be welded and seamless steel pipe for posts per ASTM A 53, Type E or S, Grade B, or steel structural tubing per ASTM A 501.

Standard square tube posts shall be of high carbon rail steel ASTM A1011, Grade 50 steel with average minimum yield strength after cold forming of 60,000 psi. Breakaway features constructed of steel shall have all elements galvanized, unless otherwise provided by the plan details.

U-section posts shall be of high carbon rail steel ASTM A 499.

907-721.02.3.2--Workmanship. All posts shall be straight with no bending, warping, splits, or breaks.

Square tube posts shall meet AASHTO M111. Square tube posts shall be corner welded, scarfed after welding, then zinc coated after scarfing. All surfaces of the square tube posts must be coated with a chromate conversion coating and a clear organic polymer topcoat. Both the interior and exterior surfaces of the square tube posts must be galvanized.

907-721.02.3.3--Cross Section. Square tube posts shall have a 2½-inch outer sleeve and 2 3/16-inch inner sleeve. The material shall be 12 gauge steel.

U-section posts shall be as shown on the plans. The bends in the cross-section of the post must be sharp and well defined, and the radius of the bend shall not be greater than 13/32 of an inch.

907-721.02.3.4--Weight. The weight of the square tube posts per linear foot without ground plates shall be a minimum of 3.14 pounds per foot for 12 gauge posts, or as shown on the plans.

The weight of the U-section post per linear foot without ground plates shall be 2.0 pounds for 7-foot to 9-foot lengths, and 3.0 pounds for 11-foot to 14-foot lengths with a tolerance of three and one-half percent (3½%), or as shown on the plans.

907-721.02.3.5--Punching. Square posts shall be punched on the center line of each of the four sides while hot. Square Tube Posts of 8-foot to 20-foot lengths shall have 7/16-inch holes spaced one inch apart on centers starting one inch from the top of the posts and extending the full length of the post on each of the four sides of the post.

U-Section posts shall be punched on the center line of the web while hot. Posts of 7-foot to 14-foot lengths shall have 3/8-inch holes one inch apart on centers starting one inch from the top of the posts and extending the full length of the post.

907-721.02.3.6--Sign Size. For Standard posts, sign size shall be no more than 70 square feet.

907-721.02.3.7--Pointing. The posts shall not be pointed.

907-721.02.3.8--Caps. All standard post shapes whose design will have a tendency to collect water shall be provided with an approved type of tight fitting post cap fabricated of material compatible with that of the post.

Bridge Replacement on SR 32 between Webb & Charleston (Bridge Nos. 43.1, 43.5, 43.7, & R.R. Bridge) , known as State Project No. EXB-0051-02(021) / 102383301 in Tallahatchie County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	201-B001		3	Acre	Clearing and Grubbing
0030	202-A001		1	Lump Sum	Removal of Obstructions
0040	202-B064		193	Linear Feet	Removal of Pipe, 8" And Above
0050	202-B070		31	Each	Removal of Sign Including Post & Footing
0060	202-B076		8,106	Linear Feet	Removal of Traffic Stripe
0070	202-B078		22,225	Square Yard	Removal of Pavement, All Types and Depths
0080	202-B134		2,870	Linear Feet	Removal of Guard Rail, Including Rails & Posts
0090	203-A003	(E)	47,719	Cubic Yard	Unclassified Excavation, FM, AH
0100	203-EX017	(E)	460,495	Cubic Yard	Borrow Excavation, AH, FME, Class B9
0110	203-G003	(E)	25,386	Cubic Yard	Excess Excavation, FM, AH
0120	206-A001	(S)	630	Cubic Yard	Structure Excavation
0130	206-B001	(E)	46	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM
0140	209-A004		35,939	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0150	213-C001		23	Ton	Superphosphate
0160	217-A001		2,071	Square Yard	Ditch Liner
0170	219-A001		7	Thousand Gallon	Watering [\$20.00]
0180	220-A001		23	Acre	Insect Pest Control [\$30.00]
0190	221-A001	(S)	38	Cubic Yard	Portland Cement Concrete Paved Ditch
0200	223-A001		92	Acre	Mowing [\$50.00]
0210	224-A001		3,935	Square Yard	Soil Reinforcing Mat
0220	234-A001		20,000	Linear Feet	Temporary Silt Fence
0230	236-A004		9	Each	Silt Basin, Type D
0240	239-A001		921	Linear Feet	Temporary Slope Drains
0250	408-A003	(A3)	1,647	Gallon	Asphalt for Prime Coat, Cut-Back MC-70 or Emulsified EA-1
0260	423-A001		4	Mile	Rumble Strips, Ground In
0270	502-A001	(C)	859	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0280	602-A001	(S)	42,983	Pounds	Reinforcing Steel
0290	603-CA003	(S)	272	Linear Feet	24" Reinforced Concrete Pipe, Class III
0300	603-CA005	(S)	40	Linear Feet	36" Reinforced Concrete Pipe, Class III
0310	603-CA006	(S)	232	Linear Feet	42" Reinforced Concrete Pipe, Class III
0320	603-CB002	(S)	6	Each	24" Reinforced Concrete End Section

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	603-CB004	(S)	2	Each	36" Reinforced Concrete End Section
0340	603-CB005	(S)	4	Each	42" Reinforced Concrete End Section
0350	605-W002	(GY)	6,800	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM
0360	606-B001		1,700	Linear Feet	Guard Rail, Class A, Type 1
0370	606-D012		16	Each	Guard Rail, Bridge End Section, Type I
0380	606-E002		16	Each	Guard Rail, Terminal End Section, Flared
0390	609-D002	(S)	555	Linear Feet	Combination Concrete Curb and Gutter Type 2
0400	610-A001		79,200	Linear Feet	Drainage Wicks
0410	615-A018	(S)	160	Linear Feet	Concrete Bridge End Barrier, 33.5"
0420	619-A1003		31,343	Linear Feet	Temporary Traffic Stripe, Continuous White, Paint
0430	619-A2003		16,389	Linear Feet	Temporary Traffic Stripe, Continuous Yellow, Paint
0440	619-A4001		12,012	Linear Feet	Temporary Traffic Stripe, Skip Yellow
0450	619-A5002		5,241	Linear Feet	Temporary Traffic Stripe, Detail, Paint
0460	619-A6003		1,482	Linear Feet	Temporary Traffic Stripe, Legend, Paint
0470	619-D1001		250	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0480	619-D2001		1,086	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0490	619-G4001		348	Linear Feet	Barricades, Type III, Single Faced
0500	619-G4005		24	Linear Feet	Barricades, Type III, Double Faced
0510	619-G5001		120	Each	Free Standing Plastic Drums
0520	619-G7001		6	Each	Warning Lights, Type "B"
0530	620-A001		1	Lump Sum	Mobilization
0535	621-A001		1	Each	Field Laboratory
0540	627-L001		259	Each	Two-Way Yellow Reflective High Performance Raised Markers
0550	630-A001		104	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0560	630-A002		62	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0570	907-630-C004		390	Linear Feet	Steel U-Section Posts, 3.0 to 3.5 lb/ft
0580	630-F001		72	Each	Delineators, Guard Rail, White
0590	815-A009	(S)	1,164	Ton	Loose Riprap, Size 300
0600	815-E001	(S)	203	Square Yard	Geotextile under Riprap
0610	907-207-A001		16	Each	Settlement Plate
0620	907-216-A001		374	Square Yard	Solid Sodding
0630	907-225-A001		46	Acre	Grassing
0640	907-225-B001		23	Ton	Agricultural Limestone

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0650	907-225-C001		92	Ton	Mulch, Vegetative Mulch
0660	907-226-A001		46	Acre	Temporary Grassing
0670	907-237-A003		1,200	Linear Feet	Wattles, 20"
0680	907-245-A001		724	Linear Feet	Triangular Silt Dike
0690	907-246-A001		1,447	Linear Feet	Sandbags
0700	907-247-A001		1	Each	Temporary Stream Diversion
0710	907-249-A001		724	Ton	Riprap for Erosion Control
0720	907-252-A001		2	Each	VW Piezometer
0730	907-253-A001		1,028	Linear Feet	Coir Fiber Baffle
0740	907-304-B009	(GT)	19,800	Ton	Granular Material, Class 3, Group D
0750	907-403-A017	(BA1)	3,578	Ton	9.5-mm, ST, Asphalt Pavement
0760	907-403-A018	(BA1)	4,169	Ton	12.5-mm, ST, Asphalt Pavement
0770	907-403-A019	(BA1)	3,881	Ton	19-mm, ST, Asphalt Pavement
0780	907-406-A001		800	Square Yard	Cold Milling of Bituminous Pavement, All Depths
0790	907-407-A001	(A2)	3,523	Gallon	Asphalt for Tack Coat
0800	907-413-E001		391	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0810	907-601-B003	(S)	3	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0820	907-603-ALT01	(S)	848	Linear Feet	18" Type A Alternate Pipe
0830	907-603-ALT02	(S)	168	Linear Feet	24" Type A Alternate Pipe
0840	907-617-A001		24	Each	Right-of-Way Marker
0850	907-618-A001		1	Lump Sum	Maintenance of Traffic
0860	907-626-C004		5	Mile	6" Thermoplastic Edge Stripe, Continuous White
0870	907-626-D003		2	Mile	6" Thermoplastic Traffic Stripe, Skip Yellow
0880	907-626-E004		3	Mile	6" Thermoplastic Traffic Stripe, Continuous Yellow
0890	907-626-G004		2,641	Linear Feet	Thermoplastic Detail Stripe, White
0900	907-626-H004		494	Linear Feet	Thermoplastic Legend, White
0910	907-699-A002		1	Lump Sum	Roadway Construction Stakes
0920	907-804-B001	(S)	387	Cubic Yard	Box Bridge Concrete, Class B
0930	907-815-F001	(S)	175	Ton	Sediment Control Stone
0940	907-899-A001		1	Lump Sum	Railway-Highway Provisions
ALTERNATE GROUP AA NUMBER 1					
0950	907-304-F002	(GT)	13,200	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
0960	907-304-F003	(GT)	13,200	Ton	3/4" and Down Crushed Stone Base

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
ALTERNATE GROUP AA NUMBER 3					
0970	907-304-F004	(GT)	13,200	Ton	Size 825B Crushed Stone Base
Bridge Items					
0980	501-K001		3,385	Square Yard	Transverse Grooving
0990	803-B002	(S)	4	Each	Conventional Static Pile Load Test [\$5,000.00]
1000	803-C004	(S)	1,376	Linear Feet	18" x 18" Prestressed Concrete Piling
1010	803-D006	(S)	5,835	Linear Feet	HP 14 x 117 Steel Piling
1020	803-D008	(S)	765	Linear Feet	HP 16 x 121 Steel Piling
1030	803-I002	(S)	2	Each	PDA Test Pile, Concrete Pile
1040	803-I003	(S)	9	Each	PDA Test Pile, HP Steel Pile
1050	803-I004	(S)	2	Each	PDA Test Pile, Steel Pipe Pile
1060	803-J001	(S)	8	Each	Pile Restrike
1070	805-A001	(S)	308,584	Pounds	Reinforcement
1080	813-A002	(S)	1,918	Linear Feet	Concrete Railing, 32"
1090	815-A009	(S)	6,976	Ton	Loose Riprap, Size 300
1100	815-D001	(S)	131	Cubic Yard	Concrete Slope Paving
1110	815-E001	(S)	3,755	Square Yard	Geotextile under Riprap
1120	907-607-PP019		270	Linear Feet	Safety Fence, Per Plans
1130	907-803-PP002		855	Linear Feet	30" Steel Pipe Piling, Wall Thickness 0.500"
1140	907-804-A018	(S)	586	Cubic Yard	Bridge Concrete, Substructure, Class AA
1150	907-804-A019	(S)	1,036	Cubic Yard	Bridge Concrete, Superstructure, Class AA
1160	907-804-C012	(S)	671	Linear Feet	135' Prestressed Concrete Beam, Type BT-72
1170	907-804-C016	(S)	2,560	Linear Feet	40' Prestressed Concrete Beam, Type I+2
1180	907-804-C027	(S)	477	Linear Feet	96' Prestressed Concrete Beam, Type BT-72
1190	907-804-C171	(S)	499	Linear Feet	100' Prestressed Concrete Beam, Type IV
1200	907-804-C272		502	Linear Feet	101' Prestressed Concrete Beam, Type BT-72

ADDENDUM


STATE	PROJECT NO.
MISS.	EXB-0051-02(021)

SUMMARY OF QUANTITIES (SHEET 1)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL
201-A001	CLEARING AND GRUBBING	LS	100%	
201-B001	CLEARING AND GRUBBING	ACRE	3	
202-A001	REMOVAL OF OBSTRUCTIONS	LS	100%	
202-B064	REMOVAL OF PIPE, 8" AND ABOVE	LF	193	
202-B070	REMOVAL OF SIGN INCLUDING POST & FOOTING	EA	31	
202-B078	REMOVAL OF PAVEMENT, ALL TYPES AND DEPTHS	SY	22,225	
202-B134	REMOVAL OF GUARD RAIL, INCLUDING RAILS & POSTS	LF	2,870	
202-B076	REMOVAL OF TRAFFIC STRIPE	LF	8,106	
203-A003	UNCLASSIFIED EXCAVATION, FM, AH	CY	47,719	
203-EX017	BORROW EXCAVATION, AH, FME, CLASS B9	CY	460,495	
203-G003	EXCESS EXCAVATION, FM, AH	CY	25,386	
206-A001	STRUCTURE EXCAVATION	CY	630	
206-B001	SELECT MATERIAL FOR UNDERCUTS, CONTRACTOR FURNISHED, FM	CY	46	
907-207-A001	SETTLEMENT PLATE	EA	16	
209-A004	GEOTEXTILE STABILIZATION, TYPE V, NON-WOVEN	SY	35,939	
213-C001	SUPERPHOSPHATE	TON	23	
907-216-A001	SOLID SODDING	SY	374	
217-A001	DITCH LINER	SY	2,071	
219-A001	WATERING	KGAL	7	
220-A001	INSECT PEST CONTROL	ACRE	23	
221-A001	PORTLAND CEMENT CONCRETE PAVED DITCH	CY	38	
223-A001	MOWING	ACRE	92	
224-A001	SOIL REINFORCING MAT	SY	3,935	
907-225-A001	GRASSING	ACRE	46	
907-225-B001	AGRICULTURAL LIMESTONE	TON	23	
907-225-C001	MULCH, VEGETATIVE MULCH	TON	92	
907-226-A001	TEMPORARY GRASSING	ACRE	46	
234-A001	TEMPORARY SILT FENCE	LF	20,000	
236-A004	SILT BASIN, TYPE D	EA	9	
907-237-A003	WATTLES, 20"	LF	1,200	
239-A001	TEMPORARY SLOPE DRAINS	LF	921	
907-245-A001	TRIANGULAR SILT DIKE	LF	724	
907-246-A001	SANDBAGS	LF	1,447	
907-247-A001	TEMPORARY STREAM DIVERSION	EA	1	
907-249-A001	RIPRAP FOR EROSION CONTROL	TON	724	
907-252-A001	VW PIEZOMETER	EA	2	
907-253-A001	COIR FIBER BAFFLE	LF	1,028	
907-304-B009	GRANULAR MATERIAL, CLASS 3, GROUP D	TON	19,800	

- ① BRIDGE NO. 43.1 @ STA. 245+63.21
TALLAHATCHIE RIVER RELIEF
9 SPANS @ 24'
- BRIDGE NO. 43.5 @ STA. 267+11.21
TALLAHATCHIE RIVER RELIEF
9 SPANS @ 24'
- BRIDGE NO. 43.7 @ STA. 276+69.21
TALLAHATCHIE RIVER RELIEF
5 SPANS @ 24'
- ② INCLUDES 229 CU. YD. FOR SIDE DRAINS,
294 CU. YD. FOR CROSS DRAINS, &
107 CU. YD. FOR BOX BRIDGES.
- ③ INCLUDES A 20% INCREASE FROM
CALCULATED QUANTITY.
- ④ QUANTITY ESTIMATED @ 2 MOWINGS
- ⑤ INCLUDES 3,760 CU.YD. TO BE PLACED UNDER
SURCHARGE EMBANKMENT PER BRIDGE PLANS.

5/12/2016 11:38:02 SQS.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES (ROADWAY)		 WORKING NUMBER SQ-1
TALLAHATCHIE COUNTY PROJECT NO.: EXB-0051-02(021)		
FILENAME: SQS.DGN DESIGN TEAM: ROBERTS CHECKED: DATE:	SHEET NUMBER 11	

SUMMARY OF QUANTITIES (SHEET 3)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL
619-A1003	TEMPORARY TRAFFIC STRIPE, CONTINUOUS WHITE, PAINT	LF	31,343	
619-A2003	TEMPORARY TRAFFIC STRIPE, CONTINUOUS YELLOW, PAINT	LF	16,389	
619-A4001	TEMPORARY TRAFFIC STRIPE, SKIP YELLOW	LF	12,012	
619-A5002	TEMPORARY TRAFFIC STRIPE, DETAIL, PAINT	LF	5,241	
619-A6003	TEMPORARY TRAFFIC STRIPE, LEGEND, PAINT	LF	1,482	
619-D1001	STANDARD ROADSIDE CONSTRUCTION SIGNS, LESS THAN 10 SQUARE FEET	SF	250	
619-D2001	STANDARD ROADSIDE CONSTRUCTION SIGNS, 10 SQUARE FEET OR MORE	SF	1,086	
619-G4001	BARRICADES, TYPE III, SINGLE FACED	LF	348	
619-G4005	BARRICADES, TYPE III, DOUBLE FACED	LF	24	
619-G5001	FREE STANDING PLASTIC DRUMS	EA	120	
619-G7001	WARNING LIGHTS, TYPE "B"	EA	6	
620-A001	MOBILIZATION	LS	100%	
621-A001	FIELD LABORATORY	EA	1	
907-626-C004	6" THERMOPLASTIC EDGE STRIPE, CONTINUOUS WHITE	MI	5	
907-626-D003	6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	MI	2	
907-626-E004	6" THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW	MI	3	
907-626-G004	THERMOPLASTIC DETAIL STRIPE, WHITE	LF	2,641	
907-626-H004	THERMOPLASTIC LEGEND, WHITE	LF	494	
627-L001	TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS	EA	259	
630-A001	STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS	SF	104	
630-A002	STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.125" THICKNESS	SF	62	
907-630-C004	STEEL U-SECTION POSTS, 3.0 TO 3.5 LB/FT	LF	390	
630-F001	DELINEATORS, GUARD RAIL, WHITE	EA	72	
907-699-A002	ROADWAY CONSTRUCTION STAKES	LS	100%	
907-804-B001	BOX BRIDGE CONCRETE, CLASS B	CY	387	
815-A009	LOOSE RIPRAP, SIZE 300	TON	1,164	
815-E001	GEOTEXTILE UNDER RIPRAP	SY	203	
907-815-F001	SEDIMENT CONTROL STONE	TON	175	
907-899-A001	RAILWAY-HIGHWAY PROVISIONS	LS	100%	


① INCLUDES 987 TONS ESTIMATED FOR TYPE "D" SILT BASINS & 177 TONS FOR DITCH TREATMENT.

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5/12/2016 11:38:26 SQS.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
SUMMARY OF QUANTITIES	
(ROADWAY)	WORKING NUMBER
TALLAHATCHIE COUNTY	SQ-3
PROJECT NO.: EXB-0051-02(021)	SHEET NUMBER
FILENAME: SQS.DGN	13
DESIGN TEAM: ROBERTS	CHECKED: _____
DATE: _____	DATE: _____

ADDENDUM

STATE	PROJECT NO.
MISS.	EXB-0051-02(021)

**DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS**

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	WORKING NUMBER	SHEET NUMBER
DETAILED INDEX	DI-BR-1	8001
SUMMARY OF QUANTITIES	SQ-BR-1	8002
INTENTIONALLY LEFT BLANK		8003
BRIDGE A AT STA. 216+86.36		
SR 32 ACROSS ILLINOIS CENTRAL RAILROAD (LAYOUT)	A1 OF 17	8004
SR 32 ACROSS ILLINOIS CENTRAL RAILROAD (FOUNDATION)	A2 OF 17	8005
END BENT NO. 1 & 4 DETAILS	A3 OF 17	8006
END BENT NO. 1 & 4 DETAILS	A4 OF 17	8007
END BENT DETAILS	A5 OF 17	8008
INT. BENT NO. 2 DETAILS	A6 OF 17	8009
INT. BENT NO. 3 DETAILS	A7 OF 17	8010
96 FT. SPAN NO. 1 DETAILS	A8 OF 17	8011
135 FT. SPAN NO. 2 DETAILS	A9 OF 17	8012
101 FT. SPAN NO. 3 DETAILS	A10 OF 17	8013
SPAN DETAILS	A11 OF 17	8014
MISCELLANEOUS SPAN DETAILS	A12 OF 17	8015
96 FT. BEAM DETAILS (END SPAN) - BEAM 96-1 - BT-72	A13 OF 17	8016
135 FT. BEAM DETAILS (INT. SPAN) - BEAM 135-1 - BT-72	A14 OF 17	8017
101 FT. BEAM DETAILS (END SPAN) - BEAM 101-1 - BT-72	A15 OF 17	8018
GENERALIZED SOIL PROFILE	A16 OF 17	8019
SETTLEMENT PLATE DETAILS	A17 OF 17	8020

BRIDGE B AT STA. 245+63.21

SR 32 OVER WILLIAMS LAKE (LAYOUT)	B1 OF 15	8021
SR 32 OVER WILLIAMS LAKE (FOUNDATION)	B2 OF 15	8022
END BENT NO. 1 & 6 DETAILS	B3 OF 15	8023
END BENT DETAILS	B4 OF 15	8024
INT. BENT 2 & 5	B5 OF 15	8025
INT. BENT 3 & 4	B6 OF 15	8026
40 FT. SPAN NO. 1, 2, 4, & 5 DETAILS	B7 OF 15	8027
40 FT. SPAN DETAILS	B8 OF 15	8028
100 FT. SPAN NO. 3 DETAILS	B9 OF 15	8029
100 FT. SPAN DETAILS	B10 OF 15	8030
MISCELLANEOUS SPAN DETAILS	B11 OF 15	8031
40 FT. BEAM DETAILS. ~ TYPE 1+2	B12 OF 15	8032
100 FT. BEAM DETAILS ~ TYPE IV	B13 OF 15	8033
GENERALIZED SOIL PROFILE	B14 OF 15	8034
SURCHARGE AND INSTRUMENTATION DETAILS	B15 OF 15	8035

**DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS**

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	WORKING NUMBER	SHEET NUMBER
BRIDGE C AT STA. 267+11.21		
SR 32 OVER BLUE SLOUGH (LAYOUT)	C1 OF 17	8036
SR 32 OVER BLUE SLOUGH (FOUNDATION)	C2 OF 17	8037
END BENT NO. 1 DETAILS	C3 OF 17	8038
END BENT NO. 7 DETAILS	C4 OF 17	8039
END BENT DETAILS	C5 OF 17	8040
INT. BENT NO. 2, 3, 5, & 6 DETAILS	C6 OF 17	8041
INT. BENT 4 DETAILS	C7 OF 17	8042
40 FT. SPANS DETAILS	C8 OF 17	8043
40 FT. SPAN DETAILS	C9 OF 17	8044
MISCELLANEOUS SPAN DETAILS	C10 OF 17	8045
40 FT. BEAM DETAILS (END SPANS) ~ TYPE 1+2	C11 OF 17	8046
40 FT. BEAM DETAILS (INT. SPANS) ~ TYPE 1+2	C12 OF 17	8047
GENERALIZED SOIL PROFILE	C13 OF 17	8048
SURCHARGE AND SETTLEMENT PLATE DETAILS	C14 OF 17	8049
WEST BRIDGE ABUTMENT PVD DETAILS	C15 OF 17	8050
EAST BRIDGE ABUTMENT PVD DETAILS	C16 OF 17	8051
PVD DRAINAGE BLANKET	C17 OF 17	8052

BRIDGE D AT STA. 276+69.21

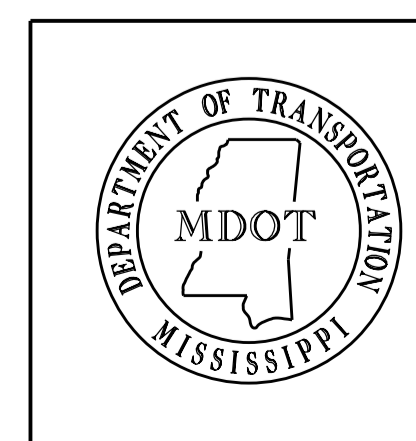
SR 32 OVER RELIEF (LAYOUT)	D1 OF 13	8053
SR 32 OVER RELIEF (FOUNDATION)	D2 OF 13	8054
END BENT NO. 1 DETAILS	D3 OF 13	8055
END BENT NO. 4 DETAILS	D4 OF 13	8056
END BENT DETAILS	D5 OF 13	8057
INT. BENT NO. 2 & 3 DETAILS	D6 OF 13	8058
40 FT. SPAN DETAILS	D7 OF 13	8059
40 FT. SPAN DETAILS	D8 OF 13	8060
MISCELLANEOUS SPAN DETAILS	D9 OF 13	8061
40 FT. BEAM DETAILS (END SPANS) ~ TYPE 1+2	D10 OF 13	8062
40 FT. BEAM DETAILS (INT. SPANS) ~ TYPE 1+2	D11 OF 13	8063
GENERALIZED SOIL PROFILE	D12 OF 13	8064
SURCHARGE AND SETTLEMENT PLATE DETAILS	D13 OF 13	8065

EROSION CONTROL PLAN ACROSS ILLINOIS CENTRAL RAILROAD (LAYOUT)	ECP-BR1	8066
EROSION CONTROL PLAN ACROSS ILLINOIS CENTRAL RAILROAD (FOUNDATION)	ECP-BR2	8067
EROSION CONTROL PLAN OVER WILLIAMS LAKE (LAYOUT)	ECP-BR3	8068
EROSION CONTROL PLAN OVER WILLIAMS LAKE (FOUNDATION)	ECP-BR4	8069
EROSION CONTROL PLAN OVER BLUE SLOUGH (LAYOUT)	ECP-BR5	8070
EROSION CONTROL PLAN OVER BLUE SLOUGH (FOUNDATION)	ECP-BR6	8071
EROSION CONTROL PLAN OVER RELIEF (LAYOUT)	ECP-BR7	8072
EROSION CONTROL PLAN OVER RELIEF (FOUNDATION)	ECP-BR8	8073

STANDARDS

RAILING DETAILS	RD-32	8074
CONCRETE PILES	CP-1	8075
SAFETY FENCE DETAILS	SFD-1	8076

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
5/6/16	8020, 8035, 8051 & 8065	KHB



DATE	REVISIONS	BY

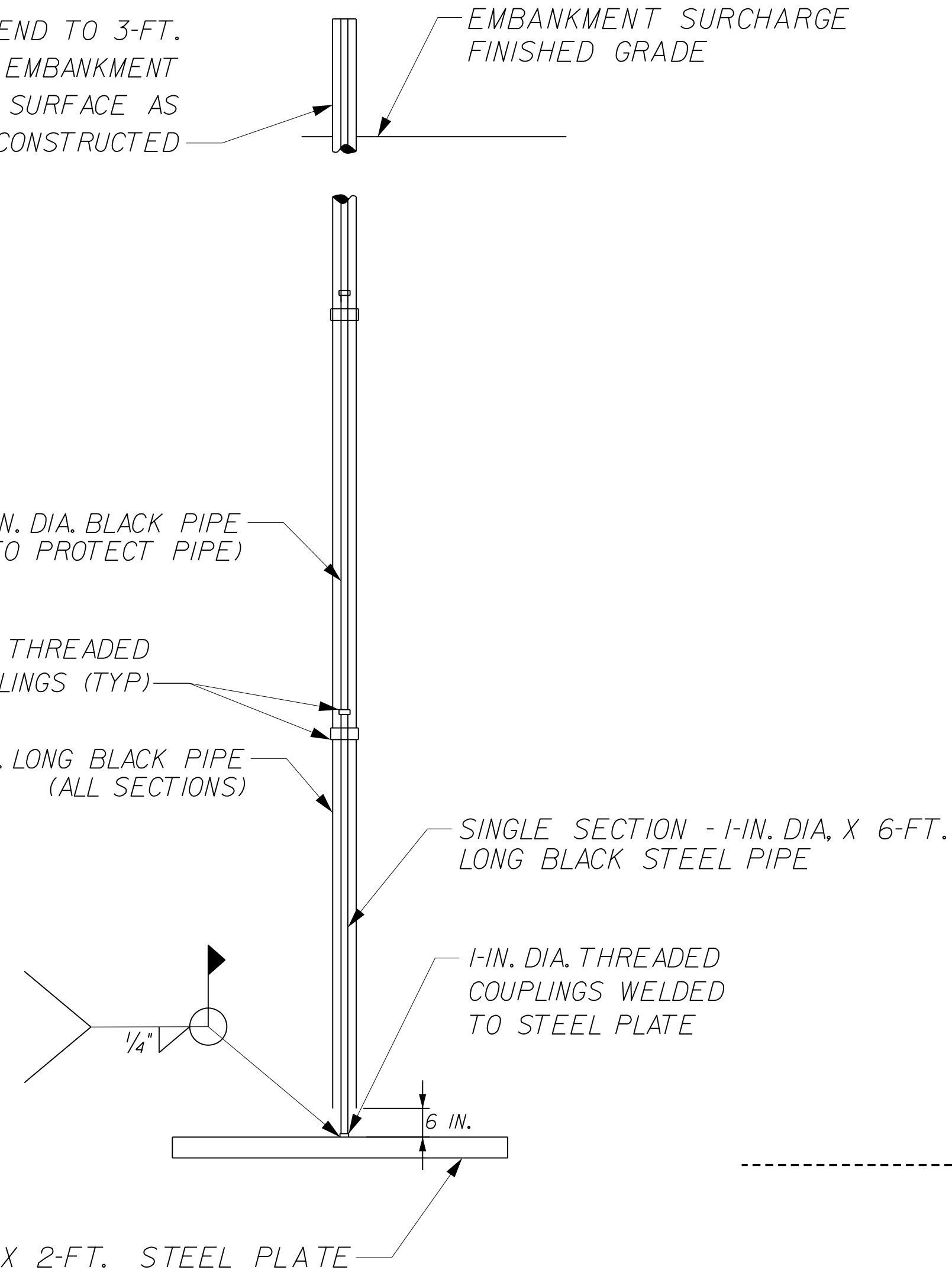
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX (BRIDGE)	
PROJECT 102383/301000	WORKING NUMBER
EXB-0051-02(021)	DI-BR-1
TALLAHATCHIE COUNTY	SHEET NUMBER
	8001

DESIGNER: Adam Jackson CHECKER: Matt Kirkland
 DETAILER: Adam Jackson ISSUE DATE: 11/18/2015
 DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, P.E.
 DEP. DIR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.

ADDENDUM

STATE	PROJECT NO.
MISS.	EXB-0051-02(021)

INCREMENTALLY EXTEND TO 3-FT. ABOVE SURCHARGE EMBANKMENT FINISHED GRADE SURFACE AS EMBANKMENT IS CONSTRUCTED



SETTLEMENT PLATE DETAIL

(NTS)

ESTIMATED MATERIALS LIST
(PER SETTLEMENT PLATE)
PAY ITEM 907-207 PER EACH

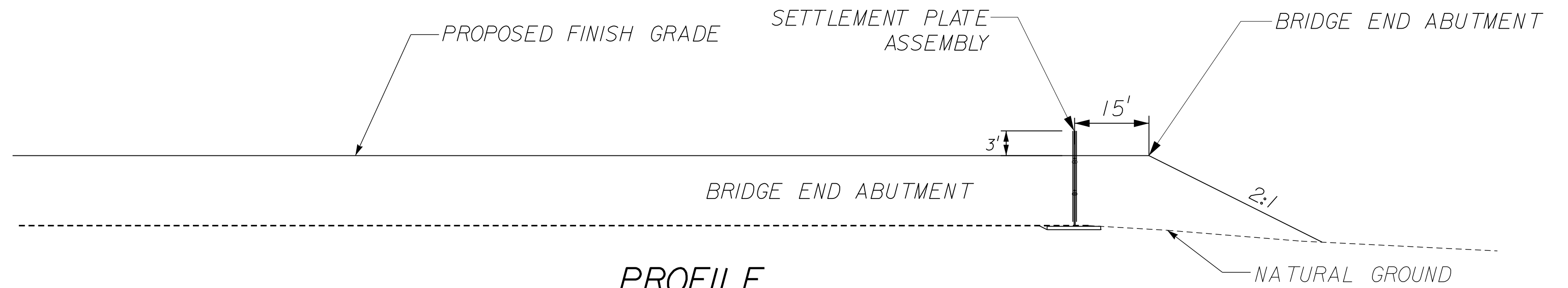
- 1 - 0.5" X 2' X 2' STEEL PLATE
- 1 - 1" X 5' BLACK STEEL PIPE
- 2 - 1" X 6' BLACK STEEL PIPE
- 6 - 1" X 7' BLACK STEEL PIPE
- 10 - 1" PIPE COUPLINGS
- 2 - 2" X 7' BLACK STEEL PIPE
- 9 - 2" X 5' BLACK STEEL PIPE
- 10 - 2" PIPE COUPLINGS

ALL PIPE SHALL BE ASTM A53, SCHEDULE 40, THREADED END STEEL PIPE WITH COMPATIBLE STEEL COUPLINGS.

ESTIMATED MATERIAL LIST PROVIDED FOR INFORMATION ONLY. SETTLEMENT PLATE INSTALLATION, MONITORING AND REPORTING PROVIDED AS EACH, AS PER MDOT SPECIAL PROVISION SP 907-207. Δ

MATERIAL ESTIMATES BASED ON ASSUMED GROUND ELEVATIONS. SETTLEMENT PLATE LENGTH SHALL BE ADJUSTED TO PROVIDE 2' - 4' EXTENSION ABOVE EMBANKMENT SURCHARGE FINISHED GRADE.

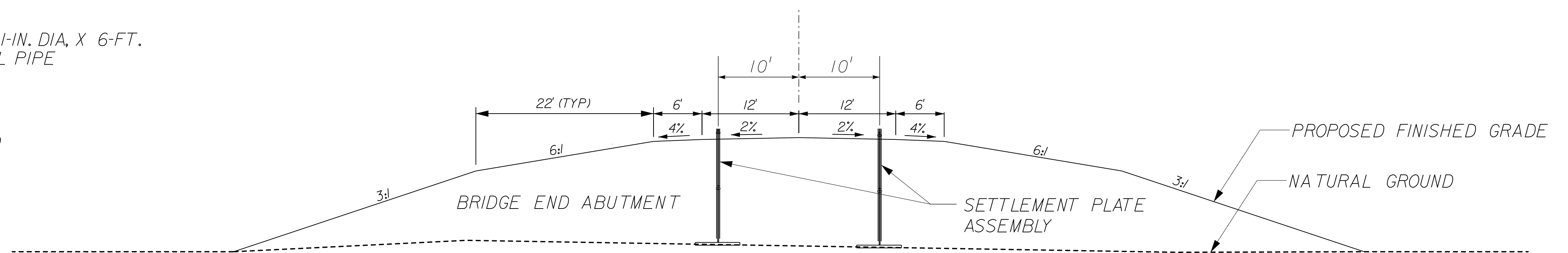
SETTLEMENT PLATE LOCATIONS:
STA. 216+74, 10' LEFT SR 32 CENTERLINE
STA. 216+74, 10' RIGHT SR 32 CENTERLINE
STA. 220+86, 10' LEFT SR 32 CENTERLINE
STA. 220+86, 10' RIGHT SR 32 CENTERLINE



**PROFILE
BRIDGE END ABUTMENT CENTERLINE**

(NTS)

☉ PROPOSED S.R. 32 LT & RT LANES



**TYPICAL SECTION
BRIDGE END ABUTMENTS**

(NTS)

ESTIMATED BID ITEM QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
907-207-A001	SETTLEMENT PLATE	EACH	4

MDOT SPECIAL PROVISION (SP):
SP-907-207 - SETTLEMENT PLATE

GENERAL NOTES

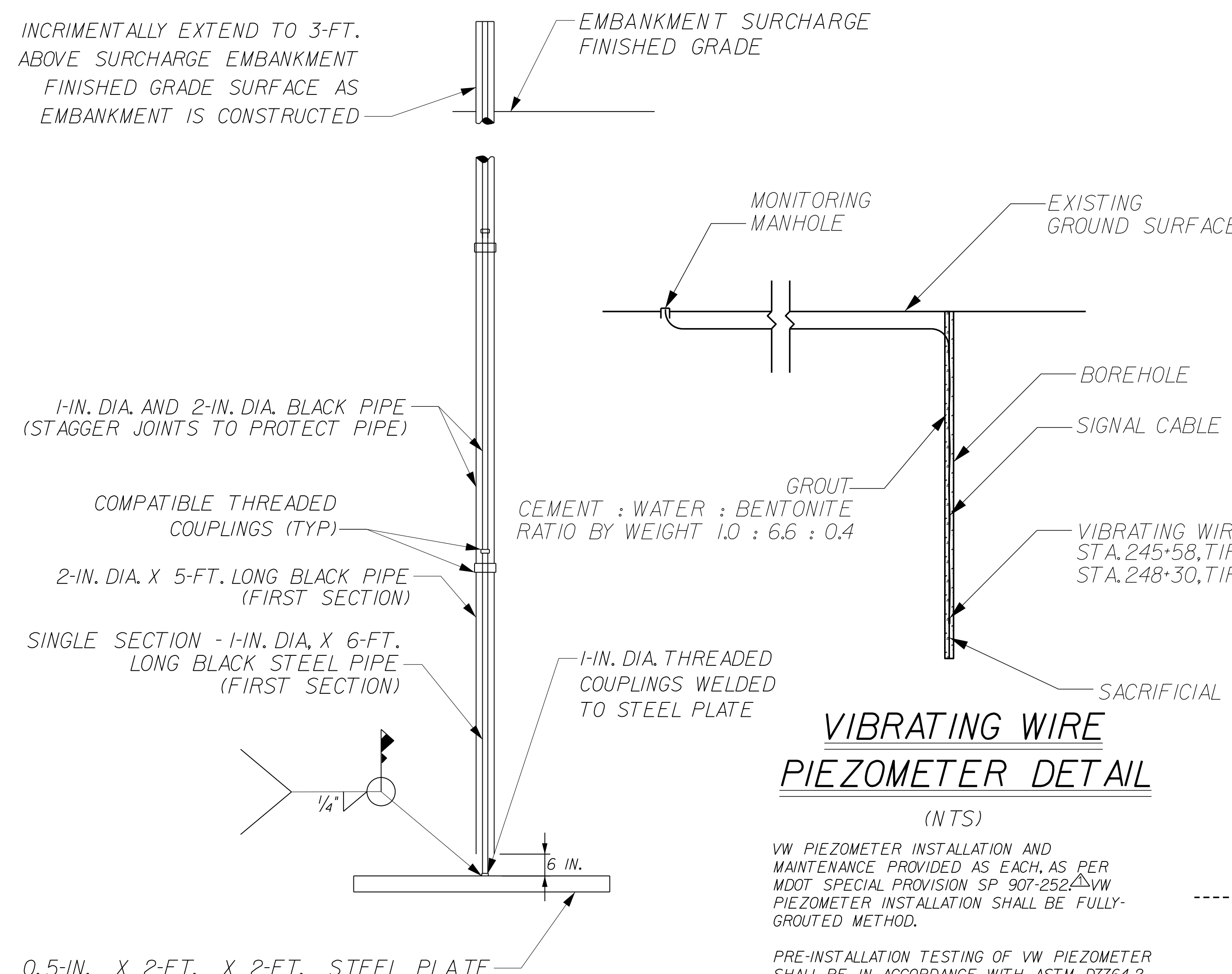
- SETTLEMENT PLATES WILL BE INSTALLED AND READ BY THE CONTRACTOR. THE PLATES WILL BE PLACED AT THE LOCATIONS DESIGNATED.
- THE CONTRACTOR SHALL OBSERVE ANY PRECAUTIONS NECESSARY FOR THE PROTECTION OF THE SETTLEMENT PLATES AND SHALL REPLACE AT NO ADDITIONAL COST TO THE STATE ANY MATERIALS THAT ARE DAMAGED OR BECOME UNRELIABLE AS A RESULT OF HIS OPERATIONS.
- BRIDGE END ABUTMENT (BORROW EXCAVATION) SHALL BE PLACED AND COMPACTED TO THE SPECIFIED HEIGHT. PLACE AND COMPACT BORROW EXCAVATION IN ACCORDANCE WITH MDOT SPECIFICATIONS, SECTION 203.03 AND SECTION 203.03.B.
- THE SETTLEMENT PLATES SHALL BE READ FOR A PERIOD OF NO LESS THAN 90 CALENDAR DAYS.

MS/SP/16		DATE	DESIGNED: C.M.C.	DATE	ISSUED: R.S.F.	DATE: 09-22-15	8020
SETTLEMENT PLATE VERSION ELIMINATED		BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION SETTLEMENT PLATE DETAILS S.R. 32 OVER ICRR STATION NO.: 216+86.26				WORKING NUMBER A17 OF 17
REVISIONS		BY	PROJECT NO: EXB-0051-02(021) COUNTY: TALLAHATCHIE				SHEET NUMBER
			102383/301000				

ADDENDUM

STATE	PROJECT NO.
MISS.	EXB-0051-02(021)

PLATE 32



VIBRATING WIRE PIEZOMETER DETAIL
(NTS)

VW PIEZOMETER INSTALLATION AND MAINTENANCE PROVIDED AS EACH, AS PER MDOT SPECIAL PROVISION SP 907-252. VW PIEZOMETER INSTALLATION SHALL BE FULLY-GROUTED METHOD.

PRE-INSTALLATION TESTING OF VW PIEZOMETER SHALL BE IN ACCORDANCE WITH ASTM D7764-2.

VW PIEZOMETER SHALL BE FULLY SATURATED AND INSTALLED IN AN INVERTED POSITION AT TIP ELEVATIONS SPECIFIED. SIGNAL CABLE SHALL BE PROTECTED AND EXTEND TO A MONITORING MANHOLE LOCATED BEYOND THE PROPOSED EMBANKMENT LIMITS.

SETTLEMENT PLATE LOCATIONS:
STA. 245+58, SR 32 CENTERLINE, TIP EL. 128 FT
STA. 248+30, SR 32 CENTERLINE, TIP EL. 131 FT

SETTLEMENT PLATE DETAIL
(NTS)

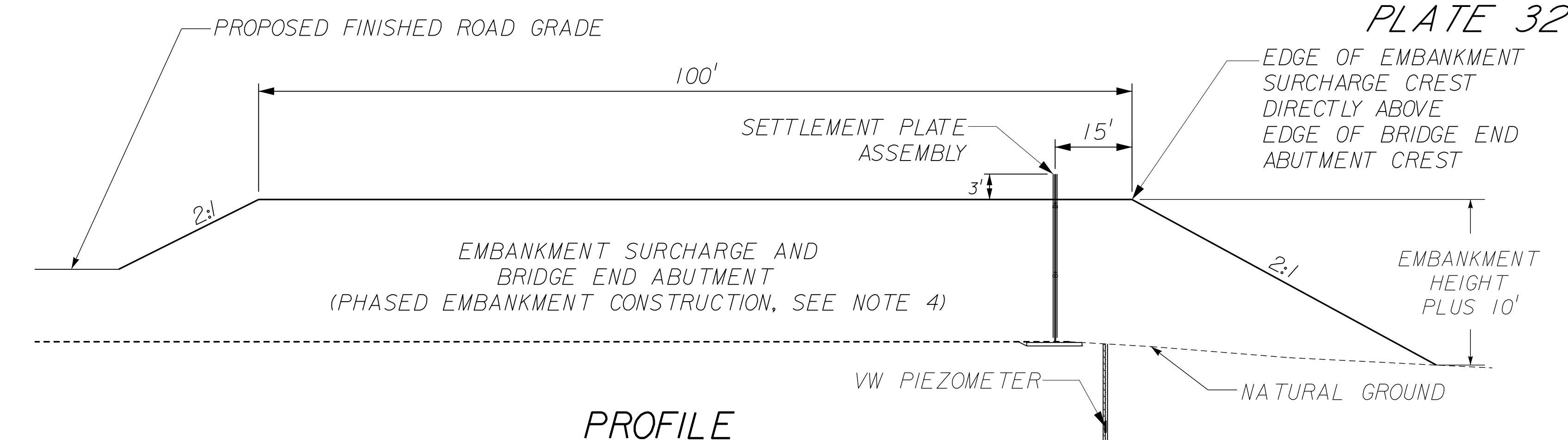
- ESTIMATED MATERIALS LIST (PER SETTLEMENT PLATE)
PAY ITEM 907-207 PER EACH
- 1 - 0.5" X 2' X 2' STEEL PLATE
 - 3 - 1" X 5' BLACK STEEL PIPE
 - 1 - 1" X 6' BLACK STEEL PIPE
 - 1 - 1" X 7' BLACK STEEL PIPE
 - 5 - 1" PIPE COUPLINGS
 - 1 - 2" X 7' BLACK STEEL PIPE
 - 4 - 2" X 5' BLACK STEEL PIPE
 - 4 - 2" PIPE COUPLINGS

ALL PIPE SHALL BE ASTM A53, SCHEDULE 40, THREADED END STEEL PIPE WITH COMPATIBLE STEEL COUPLINGS.

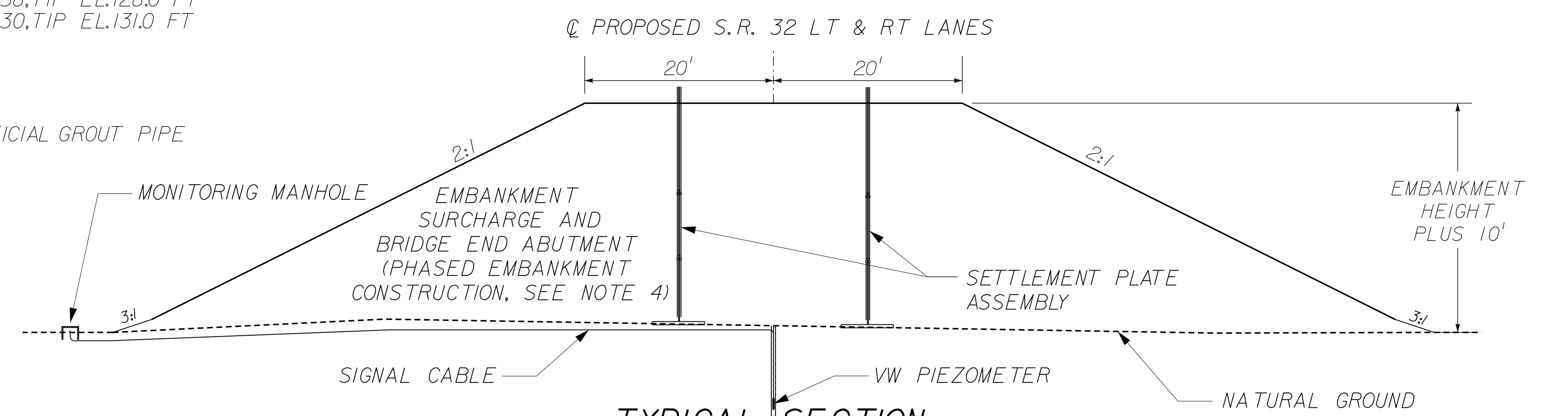
ESTIMATED MATERIAL LIST PROVIDED FOR INFORMATION ONLY. SETTLEMENT PLATE INSTALLATION, MONITORING AND REPORTING PROVIDED AS EACH, AS PER MDOT SPECIAL PROVISION SP 907-207.

MATERIAL ESTIMATES BASED ON ASSUMED GROUND ELEVATIONS. SETTLEMENT PLATE LENGTH SHALL BE ADJUSTED TO PROVIDE 2' - 4' EXTENSION ABOVE EMBANKMENT SURCHARGE FINISHED GRADE.

SETTLEMENT PLATE LOCATIONS:
STA. 245+48, 10' LEFT SR 32 CENTERLINE
STA. 245+48, 10' RIGHT SR 32 CENTERLINE
STA. 248+39, 10' LEFT SR 32 CENTERLINE
STA. 248+39, 10' RIGHT SR 32 CENTERLINE



PROFILE SURCHARGE ALONG BRIDGE END ABUTMENT CENTERLINE
(NTS)



TYPICAL SECTION EMBANKMENT SURCHARGE AT BRIDGE END ABUTMENTS
(NTS)

ESTIMATED BID ITEM QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
907-207-A001	SETTLEMENT PLATE	EACH	4
907-252-A001	VIBRATING WIRE PIEZOMETER	EACH	2

GENERAL NOTES

- SETTLEMENT PLATES WILL BE INSTALLED AND READ BY THE CONTRACTOR. THE PLATES WILL BE PLACED AT THE LOCATIONS DESIGNATED.
- VW PIEZOMETER SHALL BE INSTALLED BY THE CONTRACTOR FOR DATA COLLECTION BY MDOT ENGINEER AT THE DESIGNATED LOCATIONS.
- THE CONTRACTOR SHALL OBSERVE ANY PRECAUTIONS NECESSARY FOR THE PROTECTION OF THE VW PIEZOMETERS AND SETTLEMENT PLATES, AND SHALL REPLACE AT NO ADDITIONAL COST TO THE STATE ANY MATERIALS THAT ARE DAMAGED OR BECOME UNRELIABLE AS A RESULT OF HIS OPERATIONS.
- EMBANKMENT SURCHARGE AND BRIDGE END ABUTMENT (BORROW EXCAVATION) SHALL BE PLACED AND COMPACTED TO THE SPECIFIED HEIGHT OF 10 FEET PLUS THE BRIDGE END ABUTMENT HEIGHT WITH 2:1 SIDE SLOPES. PLACE AND COMPACT BORROW EXCAVATION IN ACCORDANCE WITH MDOT SPECIFICATIONS, SECTION 203.03.4 AND SECTION 203.03.8. COMPLETE EMBANKMENT CONSTRUCTION TO APPROX. EL. 145. ADD 5-FEET SURCHARGE FOLLOWING 30-DAY DELAY, THEN ADD FINAL 5-FEET SURCHARGE FOLLOWING SECOND 30-DAY DELAY, AS DETERMINED BY VIBRATING WIRE PIEZOMETER READINGS OR AS DESIGNATED BY THE ENGINEER.
- ALL WORK ASSOCIATED WITH THE PLACEMENT, COMPACTION, AND SUCCESSFUL REMOVAL OF THE SURCHARGE EMBANKMENT IS INCLUDED IN THE BORROW EXCAVATION PAY ITEM AND THE EXCESS EXCAVATION PAY ITEM.

GENERAL NOTES CONTUNUED

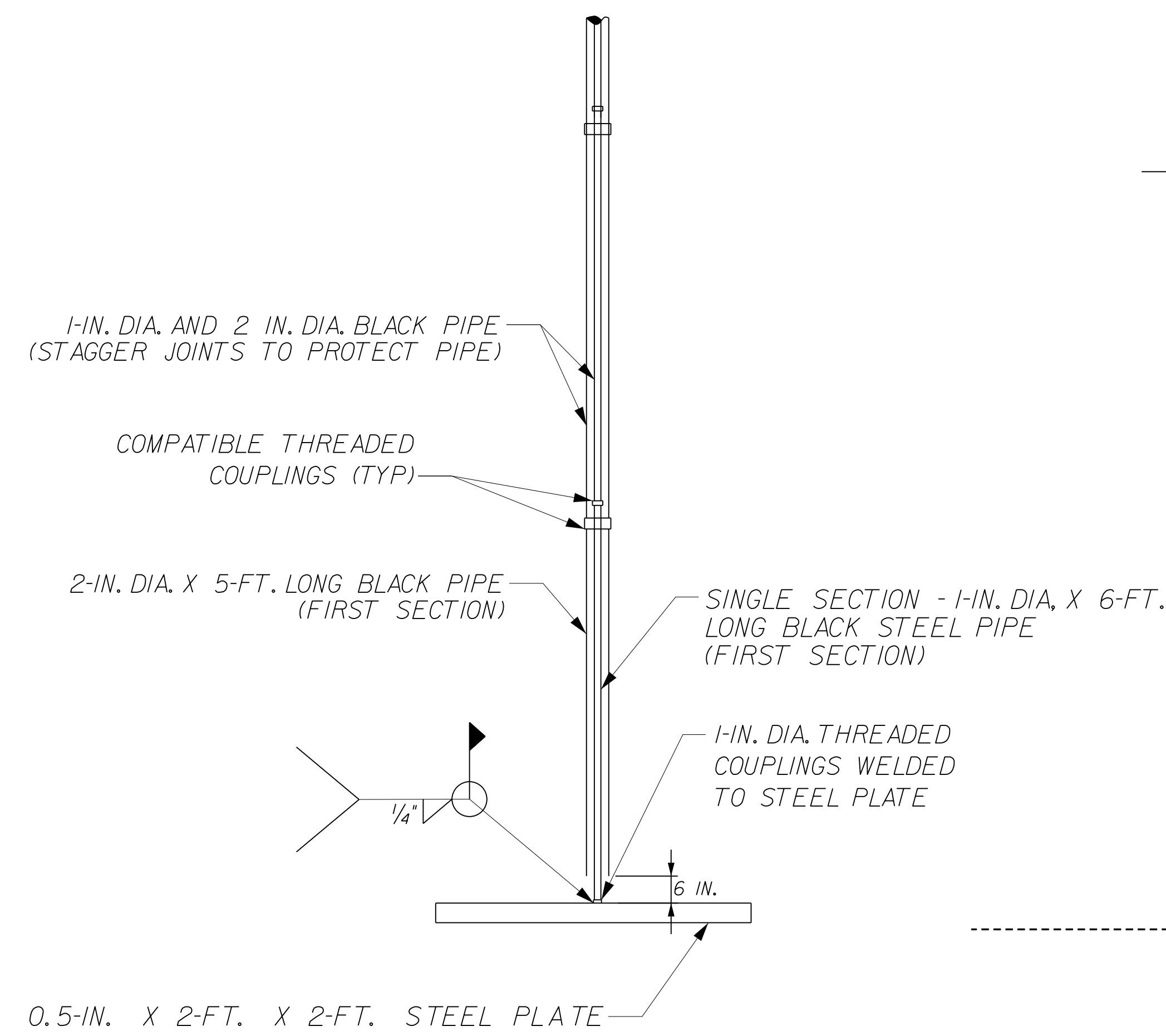
- EMBANKMENT SURCHARGES ARE TO REMAIN IN PLACE FOR 180 DAYS ORIGINATING FROM THE TIME THE EMBANKMENT SURCHARGE CONSTRUCTION IS COMPLETED, OR AS DIRECTED BY THE ENGINEER. THE EMBANKMENT SURCHARGE WILL NOT BE REMOVED PRIOR TO THE 180 DAYS, UNLESS SETTLEMENT PLATES INDICATE THAT THE REQUIRED CONSOLIDATION HAS OCCURRED AND/OR THE CONSOLIDATION RATE HAS SUFFICIENTLY DECREASED, AS DETERMINED BY THE ENGINEER.
- BRIDGE END ABUTMENT PILES ARE NOT TO BE DRIVEN UNTIL THE EMBANKMENT SURCHARGE LOAD HAS BEEN REMOVED.
- THE 180 DAY SURCHARGE LOADING PERIOD IS MEASURED IN CALENDAR DAYS.
- ANY SLOPE STABILITY PROBLEMS ENCOUNTERED DURING OR AFTER SURCHARGE EMBANKMENT CONSTRUCTION ARE TO BE REPORTED TO THE PROJECT ENGINEER AND THE MDOT GEOTECHNICAL BRANCH (601) 359-1795.
- ALL EROSION CONTROL REQUIREMENTS SHALL REMAIN IN EFFECT DURING SURCHARGE LOADING PERIOD.

MDOT SPECIAL PROVISION (SP):
SP-907-207 - SETTLEMENT PLATE
SP-907-252 - VIBRATING WIRE PIEZOMETER

DRAWING FILE: 926805S2.DGN		REPORT NO.: 92-68-0552	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION SURCHARGE AND INSTRUMENTATION DETAILS S.R. 32 OVER WILLIAMS LAKE STATION NO.: 245+63.21 SITE NO: 91-68-1331, BR. NO. 43.1 102383/301000 PROJECT NO: EXB-0051-02(021) COUNTY: TALLAHATCHIE			
DESIGNED: C.M.C.		DRAWN: CADD	
CHECKED: M.L.S.		DATE: 09-22-15	
WORKING NUMBER B15 OF 15			SHEET NUMBER 8035

ADDENDUM

INCREMENTALLY EXTEND TO 3-FT. ABOVE SURCHARGE EMBANKMENT FINISHED GRADE SURFACE AS EMBANKMENT IS CONSTRUCTED



SETTLEMENT PLATE DETAIL

(NTS)

ESTIMATED MATERIALS LIST
(PER SETTLEMENT PLATE)
PAY ITEM 907-207 PER EACH

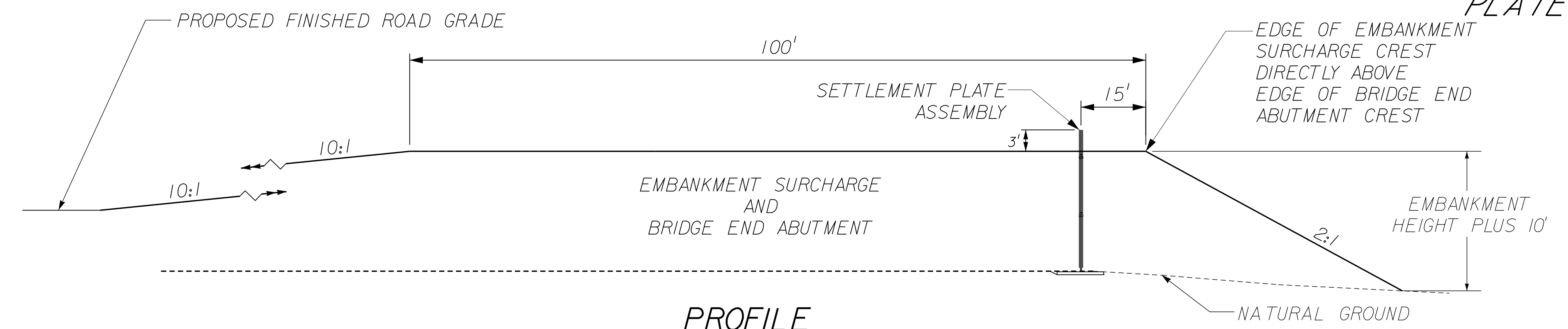
- 1 - 0.5" X 2' X 2' STEEL PLATE
- 3 - 1" X 5' BLACK STEEL PIPE
- 1 - 1" X 6' BLACK STEEL PIPE
- 1 - 1" X 7' BLACK STEEL PIPE
- 5 - 1" PIPE COUPLINGS
- 1 - 2" X 7' BLACK STEEL PIPE
- 4 - 2" X 5' BLACK STEEL PIPE
- 4 - 2" PIPE COUPLINGS

ALL PIPE SHALL BE ASTM A53, SCHEDULE 40, THREADED END STEEL PIPE WITH COMPATIBLE STEEL COUPLINGS.

ESTIMATED MATERIAL LIST PROVIDED FOR INFORMATION ONLY. SETTLEMENT PLATE INSTALLATION, MONITORING AND REPORTING PROVIDED AS EACH, AS PER MDOT SPECIAL PROVISION SP 907-207.

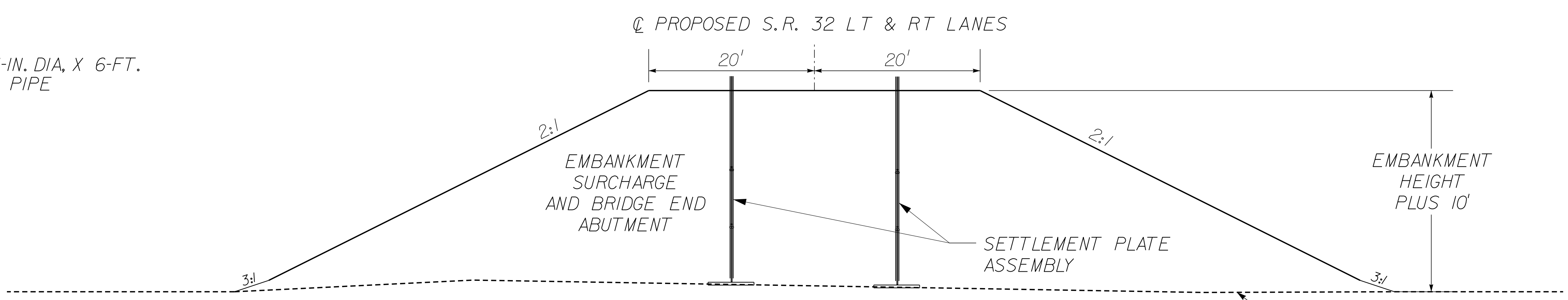
MATERIAL ESTIMATES BASED ON ASSUMED GROUND ELEVATIONS. SETTLEMENT PLATE LENGTH SHALL BE ADJUSTED TO PROVIDE 2' - 4' EXTENSION ABOVE EMBANKMENT SURCHARGE FINISHED GRADE.

SETTLEMENT PLATE LOCATIONS:
STA. 266+96, 10' LEFT SR 32 CENTERLINE
STA. 266+96, 10' RIGHT SR 32 CENTERLINE
STA. 269+68, 10' LEFT SR 32 CENTERLINE
STA. 269+68, 10' RIGHT SR 32 CENTERLINE



**PROFILE
SURCHARGE ALONG BRIDGE END ABUTMENT CENTERLINE**

(NTS)



**TYPICAL SECTION
EMBANKMENT SURCHARGE AT BRIDGE END ABUTMENTS**

(NTS)

GENERAL NOTES

1. SETTLEMENT PLATES WILL BE INSTALLED AND READ BY THE CONTRACTOR. THE PLATES WILL BE PLACED AT THE LOCATIONS DESIGNATED.
2. THE CONTRACTOR SHALL OBSERVE ANY PRECAUTIONS NECESSARY FOR THE PROTECTION OF THE SETTLEMENT PLATES AND SHALL REPLACE AT NO ADDITIONAL COST TO THE STATE ANY MATERIALS THAT ARE DAMAGED OR BECOME UNRELIABLE AS A RESULT OF HIS OPERATIONS.
3. EMBANKMENT SURCHARGE AND BRIDGE END ABUTMENT (BORROW EXCAVATION) SHALL BE PLACED AND COMPACTED TO THE SPECIFIED HEIGHT OF 10 FEET PLUS THE BRIDGE END ABUTMENT HEIGHT WITH 2:1 SIDE SLOPES. PLACE AND COMPACT BORROW EXCAVATION IN ACCORDANCE WITH MDOT SPECIFICATIONS, SECTION 203.03.4 AND SECTION 203.03.8.
4. ALL WORK ASSOCIATED WITH THE PLACEMENT, COMPACTION, AND SUCCESSFUL REMOVAL OF THE SURCHARGE EMBANKMENT IS INCLUDED IN THE BORROW EXCAVATION PAY ITEM AND THE EXCESS EXCESS EXCAVATION PAY ITEM.
5. EMBANKMENT SURCHARGES ARE TO REMAIN IN PLACE FOR 180 DAYS ORIGINATING FROM THE TIME THE EMBANKMENT SURCHARGE CONSTRUCTION IS COMPLETED, OR AS DIRECTED BY THE ENGINEER. THE EMBANKMENT SURCHARGE WILL NOT BE REMOVED PRIOR TO THE 180 DAYS, UNLESS SETTLEMENT PLATES INDICATE THAT THE REQUIRED CONSOLIDATION HAS OCCURRED AND/OR THE CONSOLIDATION RATE HAS SUFFICIENTLY DECREASED, AS DETERMINED BY THE ENGINEER.
6. BRIDGE END ABUTMENT PILES ARE NOT TO BE DRIVEN UNTIL THE EMBANKMENT SURCHARGE LOAD HAS BEEN REMOVED.
7. THE 180 DAY SURCHARGE LOADING PERIOD IS MEASURED IN CALENDAR DAYS.
8. ANY SLOPE STABILITY PROBLEMS ENCOUNTERED DURING OR AFTER SURCHARGE EMBANKMENT CONSTRUCTION ARE TO BE REPORTED TO THE PROJECT ENGINEER AND THE MDOT GEOTECHNICAL BRANCH (601) 359-1795.
9. ALL EROSION CONTROL REQUIREMENTS SHALL REMAIN IN EFFECT DURING SURCHARGE LOADING PERIOD.

ESTIMATED BID ITEM QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
907-207-A001	SETTLEMENT PLATE	EACH	4

MDOT SPECIAL PROVISION (SP):
SP-907-207 - SETTLEMENT PLATE

DRAWING FILE: 926805S2.DGN		REPORT NO.: 92-68-0552	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION SURCHARGE AND SETTLEMENT PLATE DETAILS S.R. 32 OVER BLUE SLOUGH STATION NO.: 267+11.21 SITE NO: 91-68-1442, BR. NO. 43.5 102383/301000 PROJECT NO: EXB-0051-02(021) COUNTY: TALLAHATCHIE			
DESIGNED: C.M.C.		DRAWN: CADD	
CHECKED: M.L.S.		DATE: 09-22-15	
WORKING NUMBER C16 OF 17			SHEET NUMBER 8051

ADDENDUM

INCREMENTALLY EXTEND TO 3-FT. ABOVE SURCHARGE EMBANKMENT FINISHED GRADE SURFACE AS EMBANKMENT IS CONSTRUCTED

EMBANKMENT SURCHARGE FINISHED GRADE

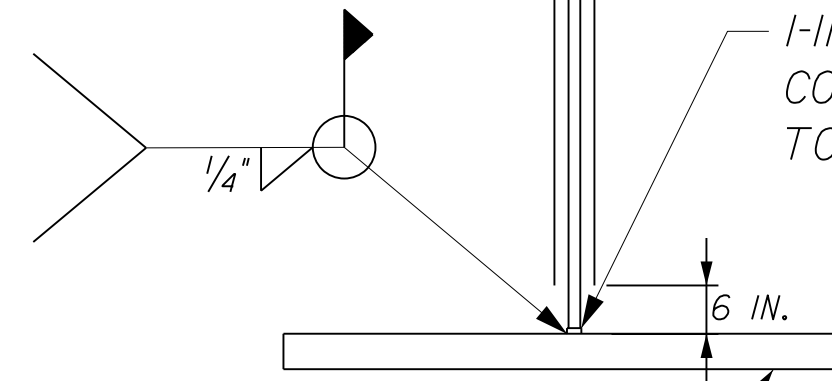
1-IN. DIA. AND 2 IN. DIA. BLACK PIPE (STAGGER JOINTS TO PROTECT PIPE)

COMPATIBLE THREADED COUPLINGS (TYP)

2-IN. DIA. X 5-FT. LONG BLACK PIPE (FIRST SECTION)

SINGLE SECTION - 1-IN. DIA. X 6-FT. LONG BLACK STEEL PIPE (FIRST SECTION)

1-IN. DIA. THREADED COUPLINGS WELDED TO STEEL PLATE



0.5-IN. X 2-FT. X 2-FT. STEEL PLATE

SETTLEMENT PLATE DETAIL

(NTS)

ESTIMATED MATERIALS LIST (PER SETTLEMENT PLATE)
PAY ITEM 907-207 PER EACH

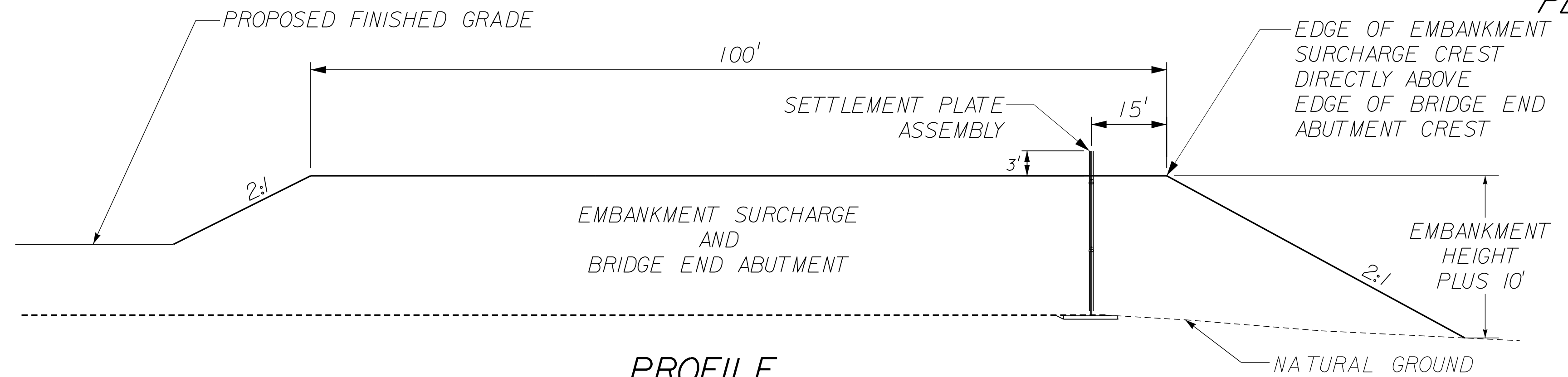
- 1 - 0.5" X 2' X 2' STEEL PLATE
- 3 - 1" X 5' BLACK STEEL PIPE
- 1 - 1" X 6' BLACK STEEL PIPE
- 1 - 1" X 7' BLACK STEEL PIPE
- 5 - 1" PIPE COUPLINGS
- 1 - 2" X 7' BLACK STEEL PIPE
- 4 - 2" X 5' BLACK STEEL PIPE
- 4 - 2" PIPE COUPLINGS

ALL PIPE SHALL BE ASTM A53, SCHEDULE 40, THREADED END STEEL PIPE WITH COMPATIBLE STEEL COUPLINGS.

ESTIMATED MATERIAL LIST PROVIDED FOR INFORMATION ONLY. SETTLEMENT PLATE INSTALLATION, MONITORING AND REPORTING PROVIDED AS EACH, AS PER MDOT SPECIAL PROVISION SP 907-207.

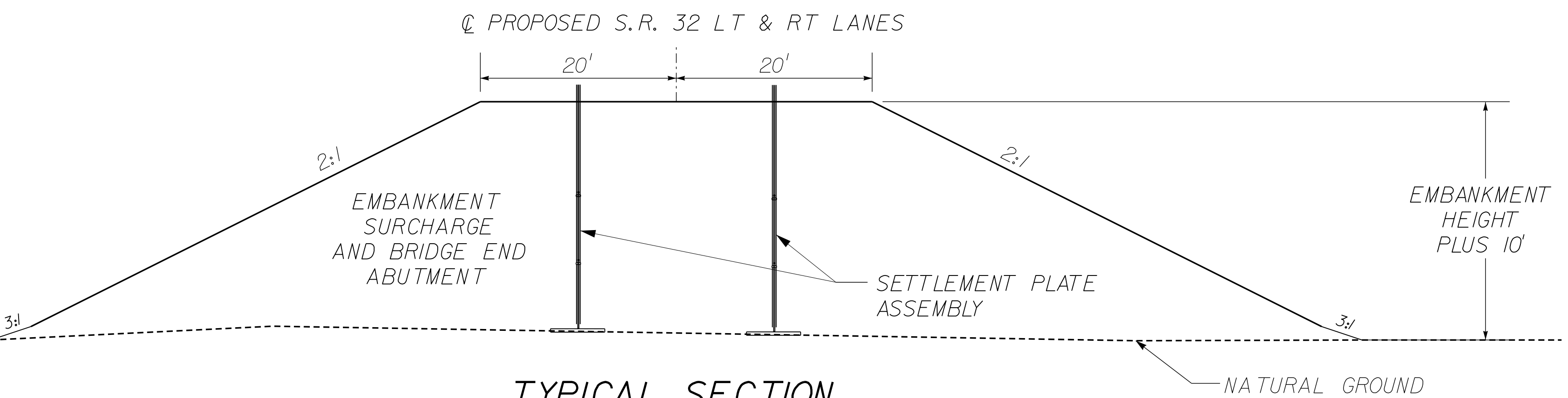
MATERIAL ESTIMATES BASED ON ASSUMED GROUND ELEVATIONS. SETTLEMENT PLATE LENGTH SHALL BE ADJUSTED TO PROVIDE 2' - 4' EXTENSION ABOVE EMBANKMENT SURCHARGE FINISHED GRADE.

SETTLEMENT PLATE LOCATIONS:
STA. 276+54, 10' LEFT SR 32 CENTERLINE
STA. 276+54, 10' RIGHT SR 32 CENTERLINE
STA. 278+06, 10' LEFT SR 32 CENTERLINE
STA. 278+06, 10' RIGHT SR 32 CENTERLINE



PROFILE SURCHARGE ALONG BRIDGE END ABUTMENT CENTERLINE

(NTS)



TYPICAL SECTION EMBANKMENT SURCHARGE AT BRIDGE END ABUTMENTS

(NTS)

GENERAL NOTES

- SETTLEMENT PLATES WILL BE INSTALLED AND READ BY THE CONTRACTOR. THE PLATES WILL BE PLACED AT THE LOCATIONS DESIGNATED.
- THE CONTRACTOR SHALL OBSERVE ANY PRECAUTIONS NECESSARY FOR THE PROTECTION OF THE SETTLEMENT PLATES AND SHALL REPLACE AT NO ADDITIONAL COST TO THE STATE ANY MATERIALS THAT ARE DAMAGED OR BECOME UNRELIABLE AS A RESULT OF HIS OPERATIONS.
- EMBANKMENT SURCHARGE AND BRIDGE END ABUTMENT (BORROW EXCAVATION) SHALL BE PLACED AND COMPACTED TO THE SPECIFIED HEIGHT OF 10 FEET PLUS THE BRIDGE END ABUTMENT HEIGHT WITH 2:1 SIDE SLOPES. PLACE AND COMPACT BORROW EXCAVATION IN ACCORDANCE WITH MDOT SPECIFICATIONS, SECTIONS 203.03.4 AND 203.03.8.
- ALL WORK ASSOCIATED WITH THE PLACEMENT, COMPACTION, AND SUCCESSFUL REMOVAL OF THE SURCHARGE EMBANKMENT IS INCLUDED IN THE BORROW EXCAVATION (SURCHARGE) PAY ITEM.
- EMBANKMENT SURCHARGES ARE TO REMAIN IN PLACE FOR 180 DAYS ORIGINATING FROM THE TIME THE EMBANKMENT SURCHARGE CONSTRUCTION IS COMPLETED, OR AS DIRECTED BY THE ENGINEER. THE EMBANKMENT SURCHARGE WILL NOT BE REMOVED PRIOR TO THE 180 DAYS, UNLESS SETTLEMENT PLATES INDICATE THAT THE REQUIRED CONSOLIDATION HAS OCCURRED AND/OR THE CONSOLIDATION RATE HAS SUFFICIENTLY DECREASED, AS DETERMINED BY THE ENGINEER.
- BRIDGE END ABUTMENT PILES ARE NOT TO BE DRIVEN UNTIL THE EMBANKMENT SURCHARGE LOAD HAS BEEN REMOVED.
- THE 180 DAY SURCHARGE LOADING PERIOD IS MEASURED IN CALENDAR DAYS.
- ANY SLOPE STABILITY PROBLEMS ENCOUNTERED DURING OR AFTER SURCHARGE EMBANKMENT CONSTRUCTION ARE TO BE REPORTED TO THE PROJECT ENGINEER AND THE MDOT GEOTECHNICAL BRANCH (601) 359-1795.
- ALL EROSION CONTROL REQUIREMENTS SHALL REMAIN IN EFFECT DURING SURCHARGE LOADING PERIOD.

ESTIMATED BID ITEM QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
907-207-A001	SETTLEMENT PLATE	EACH	4

MDOT SPECIAL PROVISION (SP):
SP-907-207 - SETTLEMENT PLATE

DRAWING FILE: 926805S2.DGN		REPORT NO.: 92-68-0552	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION SURCHARGE AND SETTLEMENT PLATE DETAILS S.R. 32 OVER (RELIEF) STATION NO.: 276+69.21 SITE NO: 91-68-1332, BR. NO. 43.7 102383/301000 PROJECT NO: EXB-0051-02(021) COUNTY: TALLAHATCHIE			
DESIGNED: C.M.C.		DRAWN: CADD	
CHECKED: M.L.S.		DATE: 09-22-15	
WORKING NUMBER D13 OF 13			SHEET NUMBER 8065