

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) enclose a certified check, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

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 5/20/2015 ADDENDUM NO. DATED
 ADDENDUM NO. DATED ADDENDUM NO. DATED

Number	Description
1	Revised Table of Contents; Add NTB No. 5546; Revised Bid Items; Revised or added Plan Sheet Nos. 2, 8-10, 15-16, 31-32, 9001-9019; 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.

BR-2902-00(010) / 102534301 Clarke County(ies)

Revised 09/21/2005

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TABLE OF CONTENTS**

PROJECT: BR-2902-00(010)/102534301 - Clarke

Section 901 - Advertisement

Section 904 - Notice to Bidders

#1	Governing Specifications
#151	Gopher Tortoises
#640	Fiber Reinforced Concrete
#1322	Non-Use of Precast Drainage Units
#1405	Errata & Modifications to 2004 Standard Specifications
#1928	Federal Bridge Formula
#2382	Status of ROW, w/ Attachments
#2818	Non-Quality Control / Quality Assurance Concrete
#2937	Reduced Speed Limit Signs
#3131	Temporary Traffic Paint
#3581	Storm Water Discharge Associated w/ Construction Activities (>5 Acres)
#3612	Additional Erosion Control Requirements
#3893	Petroleum Products Base Price
#4084	Stay-In-Place Metal Forms
#4189	Rumble Stripe
#4214	Safety Apparel
#4473	Alternate Crushed Stone Base Bid Items
#4488	DBE Forms, Participation and Payment
#4526	Electronic Addendum Process
#4565	Manual on Uniform Traffic Control Devices (MUTCD)
#4566	DUNS Requirement for Federal Funded Projects
#4661	Payroll Requirements
#5044	Questions Regarding Bidding
#5050	Adjustments for Bituminous Materials
#5053	Contractor Correspondence
#5194	Intermediate Diaphragms
#5252	Terminal End Sections
#5266	Disadvantaged Business Enterprise, w/ Supplement
#5405	Traffic Control Devices
#5412	Weight Limits
#5476	Contract Time
#5477	Specialty Items
#5478	Placement of Fill Material in Federally Regulated Areas
#5546	Detour Grading

906	Required Federal Contract Provisions -- FHWA 1273, w/Supplements
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Section 907 - Special Provisions

907-101-4	Definitions
907-102-10	Bidding Requirements and Conditions
907-103-8	Award and Execution of Contract

PROJECT: BR-2902-00(010)/102534301 - Clarke

907-104-5	Scope of Work
907-104-6	Partnering Process
907-105-8	Control of Work
907-107-13	Legal Relations and Responsibility to Public
907-107-14	Contractor's Protection Plan, w/ Supplement
907-108-37	Prosecution and Progress
907-109-7	Measurement and Payment
907-110-2	Wage Rates
907-216-1	Solid Sodding
907-225-4	Grassing
907-226-3	Temporary Grassing
907-227-10	Hydroseeding
907-234-5	Siltation Barriers
907-237-4	Wattles
907-245-2	Triangular Silt Dikes
907-246-3	Sandbags & Rockbags
907-249-1	Riprap for Erosion Control
907-304-13	Granular Courses
907-401-7	Asphalt Pavements
907-403-14	Asphalt Pavements
907-407-2	Tack Coat
907-413-5	Sawing & Sealing Transverse Joints in Asphalt Pavement
907-601-1	Structural Concrete
907-603-8	Culverts & Storm Drains
907-617-3	Right-Of-Way Markers
907-618-9	Placement of Temporary Traffic Stripe
907-618-13	Temporary Construction Signs
907-626-25	Thermoplastic Traffic Markings
907-699-5	Construction Stakes
907-701-5	Hydraulic Cement, w/ Supplement
907-702-5	Specifications for Bituminous Materials
907-703-12	Aggregates, w/ Supplement
907-707-5	Joint Material
907-708-6	Non-Metal Drainage Structures
907-709-1	Metal Pipe
907-710-1	Fast Dry Solvent Traffic Paint
907-711-4	Synthetic Structural Fiber Reinforcement
907-713-4	Admixtures for Concrete
907-714-8	Miscellaneous Materials
907-715-4	Roadside Development Materials
907-720-2	Pavement Marking Materials
907-804-16	Concrete Bridges and Structures

Section 905 - Proposal, Proposal Bid Items, Combination Bid Proposal

Certification of Performance - Prior Federal-Aid Contracts

Certification Regarding Non-Collusion, Debarment and Suspension(2)

Section 902 - Contract Form

Section 903 - Contract Bond Forms

PROJECT: BR-2902-00(010)/102534301 - Clarke

Form -- OCR-485

Pile Data Form

Progress Schedule

(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
OF SECTION 905 AS ADDENDA)

05/20/2015 08:45 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 5546

CODE: (SP)

DATE: 5/19/2015

SUBJECT: Detour Grading

PROJECT: BR-2902-00(010) / 102534301 -- Clarke County

Bidders are advised that the when the detour bridge and detour road is no longer needed, it shall be removed and the area graded to match the grade and slope shown on the typical sections or cross-section in the Plans.

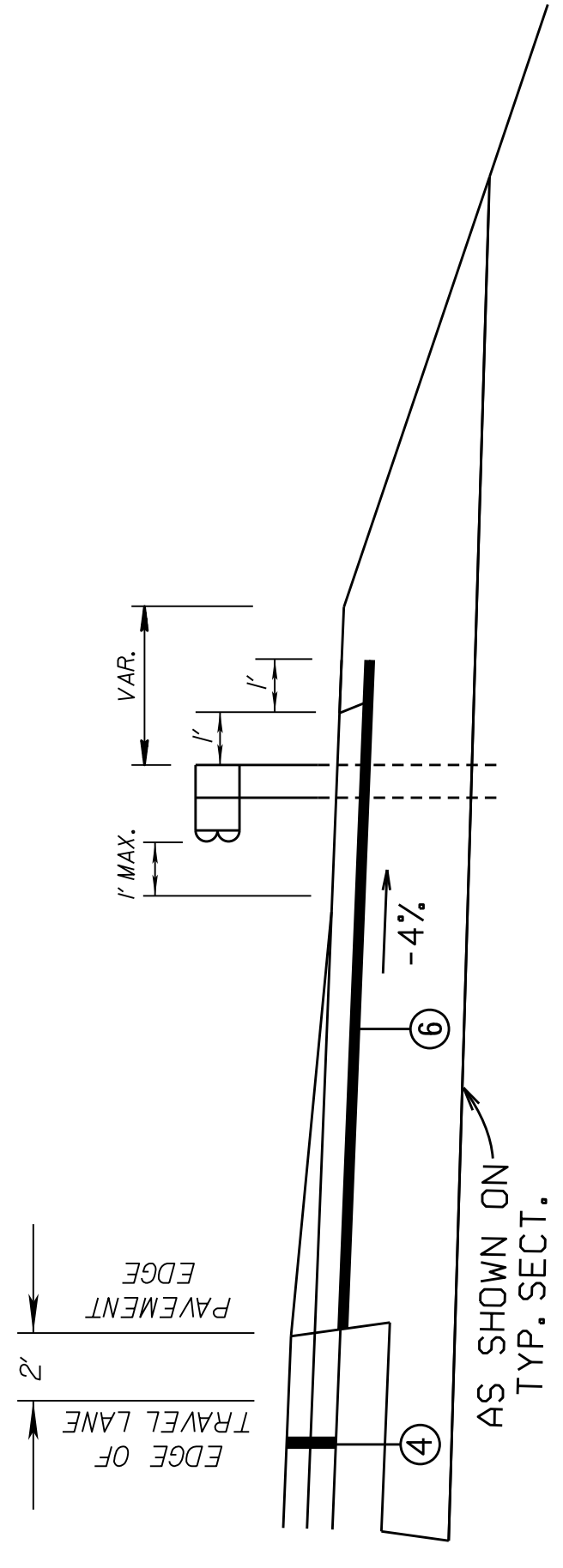
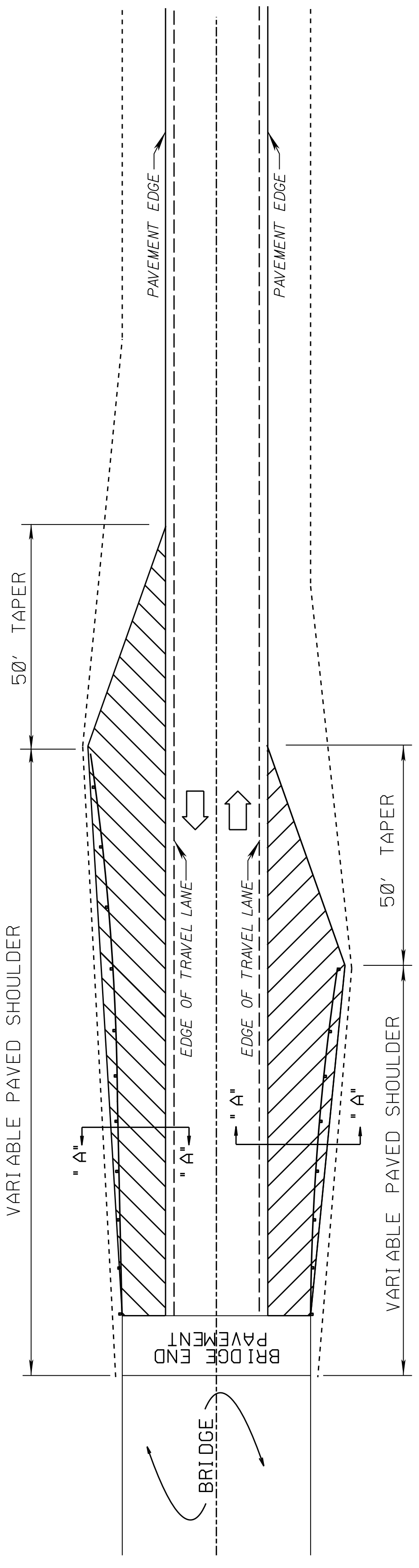
Bridge Replacement on US 11 North of Chunky River Bridge No. 146.8, known as Federal Aid Project No. BR-2902-00(010) / 102534301 in Clarke County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	202-B005		4,320	Square Yard	Removal of Asphalt Pavement, All Depths
0030	202-B009		1	Each	Removal of Bridge
0040	202-B053		425	Linear Feet	Removal of Guard Rail Including Post, Blockouts & Hardware
0050	203-EX038	(E)	80,242	Cubic Yard	Borrow Excavation, AH, FME, Class B7-6
0060	203-G003	(E)	27,551	Cubic Yard	Excess Excavation, FM, AH
0070	206-A001	(S)	8	Cubic Yard	Structure Excavation
0080	209-A004		10,520	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0090	213-C001		4	Ton	Superphosphate
0100	217-A001		500	Square Yard	Ditch Liner
0110	219-A001		3	Thousand Gallon	Watering [\$20.00]
0120	220-A001		4	Acre	Insect Pest Control [\$30.00]
0130	221-A001	(S)	12	Cubic Yard	Portland Cement Concrete Paved Ditch
0140	223-A001		1	Acre	Mowing [\$50.00]
0150	224-A001		500	Square Yard	Soil Reinforcing Mat
0160	234-A001		3,000	Linear Feet	Temporary Silt Fence
0170	235-A001		52	Bale	Temporary Erosion Checks
0180	406-A001		2,713	Square Yard	Cold Milling of Bituminous Pavement, All Depths
0190	423-A001		2	Mile	Rumble Strips, Ground In
0200	501-E001		94	Linear Feet	Expansion Joints, Without Dowels
0210	501-G001		72	Each	Dowels, Drilled and Installed
0220	502-A001	(C)	204	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0230	503-C007		550	Linear Feet	Saw Cut, Full Depth
0240	603-CA089	(S)	32	Linear Feet	24" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0250	603-CB002	(S)	2	Each	24" Reinforced Concrete End Section
0260	606-B001		400	Linear Feet	Guard Rail, Class A, Type 1
0270	606-D012		4	Each	Guard Rail, Bridge End Section, Type I
0280	606-E001		4	Each	Guard Rail, Terminal End Section
0290	615-A015	(S)	40	Linear Feet	Concrete Bridge End Barrier, 32"
0300	619-A1004		1	Mile	Temporary Traffic Stripe, Continuous White, Paint
0310	619-A2004		1	Mile	Temporary Traffic Stripe, Continuous Yellow, Paint
0320	619-C7001		41	Each	Two-Way Yellow Reflective High Performance Raised Marker
0330	619-D1001		54	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0340	619-D2001		304	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0350	619-G4001		96	Linear Feet	Barricades, Type III, Single Faced
0360	619-G4005		24	Linear Feet	Barricades, Type III, Double Faced
0370	619-G5001		36	Each	Free Standing Plastic Drums
0380	619-G7001		8	Each	Warning Lights, Type "B"
0390	620-A001		1	Lump Sum	Mobilization
0400	627-L001		41	Each	Two-Way Yellow Reflective High Performance Raised Markers
0410	630-A001		12	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0420	630-A002		18	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0430	630-C003		66	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
0440	630-F001		22	Each	Delineators, Guard Rail, White
0450	630-G002		4	Each	Type 3 Object Markers, OM-3R or OM-3L, Post Mounted
0460	907-216-A001		132	Square Yard	Solid Sodding
0470	907-225-A001		7	Acre	Grassing
0480	907-225-B001		4	Ton	Agricultural Limestone
0490	907-225-C001		14	Ton	Mulch, Vegetative Mulch
0500	907-226-A001		7	Acre	Temporary Grassing
0510	907-234-C002		600	Linear Feet	Super Silt Fence
0520	907-234-F001		100	Linear Feet	Turbidity Barrier
0530	907-237-A003		312	Linear Feet	Wattles, 20"
0540	907-245-A001		312	Linear Feet	Triangular Silt Dike
0550	907-246-A002		312	Each	Sandbags
0560	907-249-A001		130	Ton	Riprap for Erosion Control
0570	907-403-A017	(BA1)	622	Ton	9.5-mm, ST, Asphalt Pavement
0580	907-403-A018	(BA1)	696	Ton	12.5-mm, ST, Asphalt Pavement
0590	907-403-A019	(BA1)	1,065	Ton	19-mm, ST, Asphalt Pavement
0600	907-403-C009	(BA1)	23	Ton	19-mm, ST, Asphalt Pavement, Trench Widening
0610	907-407-A001	(A2)	677	Gallon	Asphalt for Tack Coat
0620	907-413-E001		56	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0630	907-601-B003	(S)	1	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0640	907-603-ALT02	(S)	140	Linear Feet	24" Type A Alternate Pipe
0650	907-617-A001		6	Each	Right-of-Way Marker
0660	907-618-A001		1	Lump Sum	Maintenance of Traffic

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	907-626-C003		1	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0680	907-626-E006		1	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0690	907-699-A002		1	Lump Sum	Roadway Construction Stakes
ALTERNATE GROUP AA NUMBER 1					
0700	907-304-F002	(GT)	4,284	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
0710	907-304-F003	(GT)	4,284	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 3					
0720	907-304-F004	(GT)	4,284	Ton	Size 825B Crushed Stone Base
Bridge Items					
0730	501-K001		1,600	Square Yard	Transverse Grooving
0740	803-B002	(S)	2	Each	Conventional Static Pile Load Test [\$5,000.00]
0750	803-D002	(S)	3,440	Linear Feet	HP 12 x 53 Steel Piling
0760	803-I001	(S)	3	Each	PDA Test Pile
0770	803-J001	(S)	2	Each	Pile Restrike
0780	805-A001	(S)	125,325	Pounds	Reinforcement
0790	813-A002	(S)	723	Linear Feet	Concrete Railing, 32"
0800	815-A009	(S)	744	Ton	Loose Riprap, Size 300
0810	815-E001	(S)	1,103	Square Yard	Geotextile under Riprap
0820	907-804-A001	(S)	692	Cubic Yard	Bridge Concrete, Class AA
0830	907-804-C016	(S)	2,147	Linear Feet	40' Prestressed Concrete Beam, Type I+2

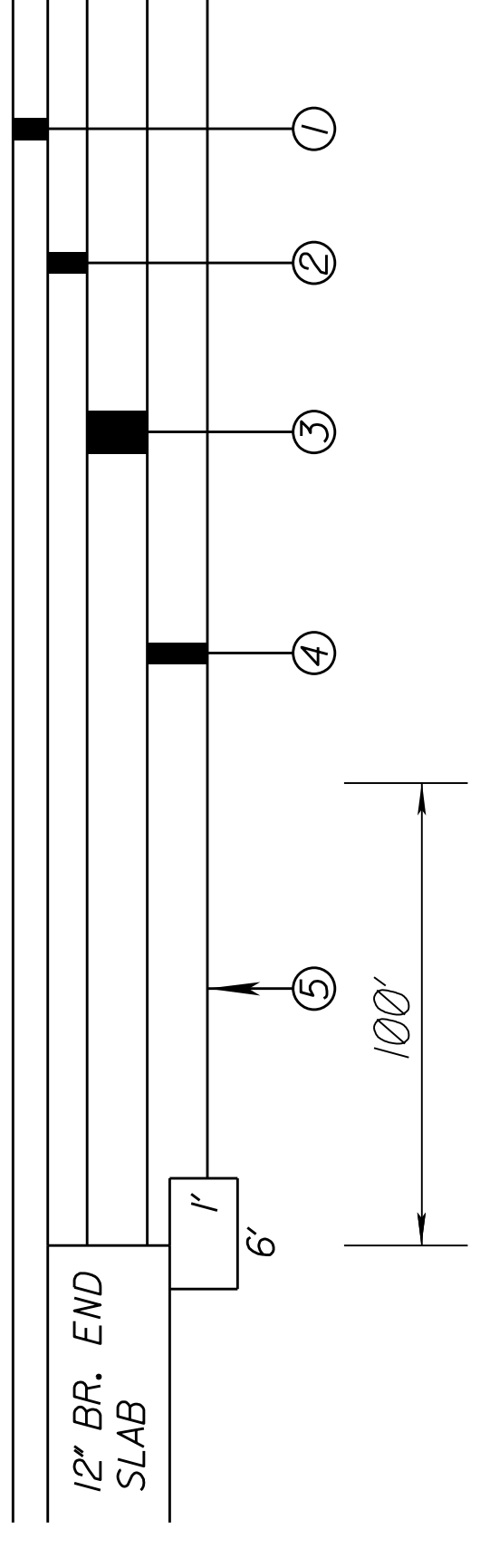
STATE	PROJECT NO.
MISS.	BR-2902-00(010)



DETAIL OF PAVED SHOULDERS AT BRIDGE ENDS
SEE SECTION "A-A"-"A"

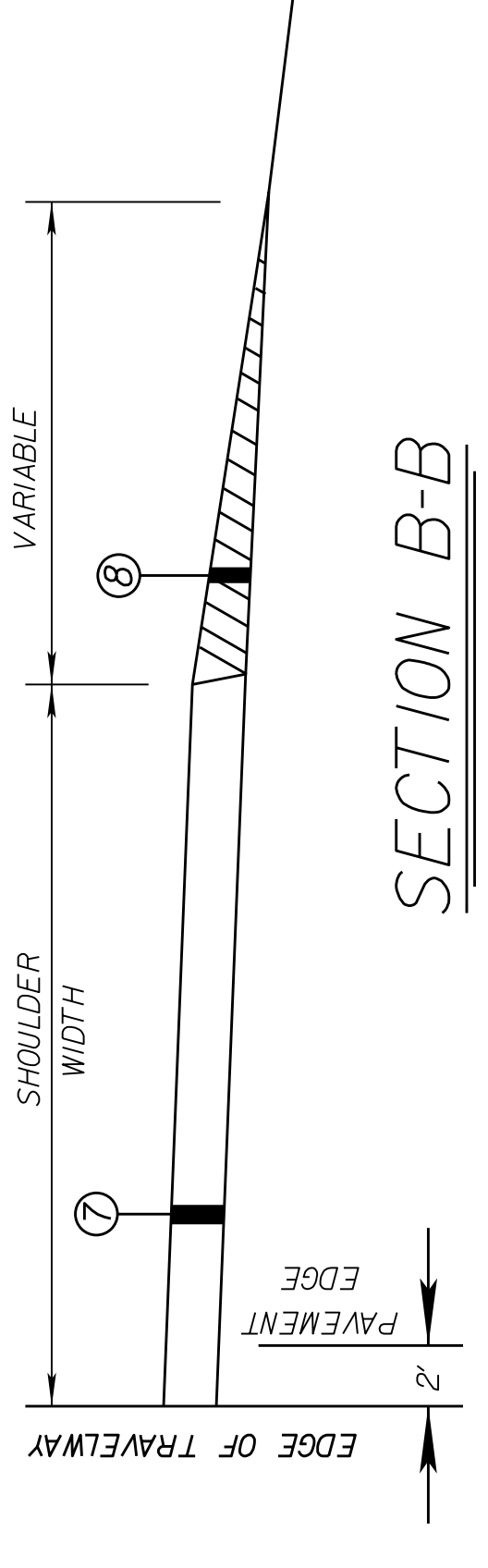
SECTION A-A

- ④ TOP 2 LIFTS OF ASPHALT AS SHOWN ON TYPICAL SECTION.
- ⑥ PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER).



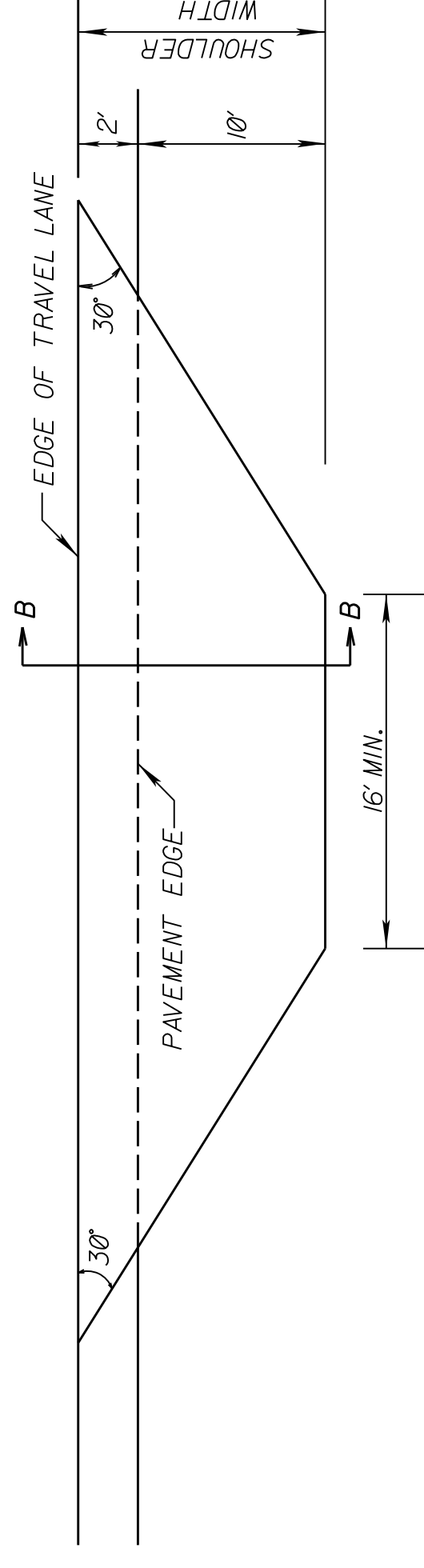
DETAIL FOR PAVEMENT TRANSITION AT BRIDGE ENDS

- ① 1.50" ASPHALT (9.5mm MIXTURE) REQ'D.
- ② 2.00" ASPHALT (12.5mm MIXTURE) REQ'D.
- ③ 3.50" ASPHALT (19.0 mm MIXTURE) REQ'D.
- ④ 6.00" CRUSHED STONE REQ'D
- ⑤ GEOTEXTILE FABRIC, TYPE VINON-WOVEN



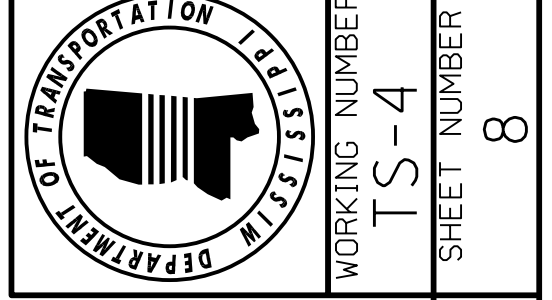
SECTION B-B

- ⑦ TOP 2 LIFTS OF ASPHALT AS SHOWN ON TYPICAL SECTION.
- ⑧ VARIABLE DEPTH GRANULAR MATERIAL AS SHOWN ON TYPICAL SECTION



DETAIL OF PAVED APRON
SEE SECTION B-B

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION	
AT GUARDRAIL, BRIDGE ENDS AND RAMPS	
COUNTY: CLARKE	WORKING NUMBER
PROJ. NUM.: BR-2902-00(010)	TS-4
FILENAME: MTS.DGN	SHEET NUMBER
DESIGN TEAM: DANGERFIELD, CHECKED	8
DATE: 05/01/15	
5/8/15	REVISED SHEET
	REVISION
	BY
	GTW



SUMMARY OF QUANTITIES (SHEET 1)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL
***** EARTHWORK ITEMS *****				
201-A001	CLEARING AND GRUBBING	LS	100%	
202-B005	REMOVAL OF ASPHALT PAVEMENT, ALL DEPTHS	SY	4320	
202-B009	REMOVAL OF BRIDGE	EA	1	
202-B053	REMOVAL OF GUARD RAIL INCLUDING POST, BLOCKOUTS & HARDWARE	LF	425	
203-EX038	BORROW EXCAVATION, AH, FME, CLASS B7-6	CY	80,242 Δ	
203-G003	EXCESS EXCAVATION, FM, AH	CY	27,551 Δ	
206-A001	STRUCTURE EXCAVATION	CY	8	
209-A004	GEOTEXTILE STABILIZATION, TYPEV, NON-WOVEN	SY	10,520	
***** EROSION CONTROL ITEMS *****				
213-C001	SUPERPHOSPHATE	TON	4	
907-216-A001	SOLID SODDING	SY	132	
217-A001	DITCH LINER	SY	500	
219-A001	WATERING	KGAL	3	
220-A001	INSECT PEST CONTROL	ACRE	4	
221-A001	PORTLAND CEMENT CONCRETE PAVED DITCH	CY	12	
223-A001	MOWING	ACRE	1	
224-A001	SOIL REINFORCING MAT	SY	500	
907-225-A001	GRASSING	ACRE	7	
907-225-B001	AGRICULTURAL LIMESTONE	TON	4	
907-225-C001	MULCH, VEGETATIVE MULCH	TON	14	
907-226-A001	TEMPORARY GRASSING	ACRE	7	
***** TEMPORARY EROSION CONTROL ITEMS *****				
234-A001	TEMPORARY SILT FENCE	LF	3,000	
907-234-C002	SUPER SILT FENCE	LF	600	
907-234-F001	TURBIDITY BARRIER	LF	100	
235-A001	TEMPORARY EROSION CHECKS	BALE	52	
907-237-A003	WATTLES, 20"	LF	312	
907-245-A001	TRIANGULAR SILT DIKE	LF	312	
907-246-A002	SANDBAGS	EA	312	
907-249-A001	RIPRAP FOR EROSION CONTROL	TON	130	

- ① INCLUDES TERMINAL SECTIONS, BRIDGE END SECTIONS, FOOTINGS AND OTHER APPURTENANCES.
- ② QUANTITY INCLUDES 25% SHRINKAGE FACTOR AND Δ 4,368 C.Y. FOR SPILL THROUGH.
- ③ QUANTITY INCLUDES 92 SQ. YD. FOR PAVED FLUMES AND 40 SQ. YD. FOR FLARED END SECTIONS.
- ④ TO BE USED FOR PAVED FLUMES.
- ⑤ ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER.
- ⑥ BR. NO. 146.8 (6 @ 20' SPANS)
- ⑦ IF MUCK IS ENCOUNTERED, IT SHALL BE PAID FOR AS EXCESS EXCAVATION.

	BY	DATE	REVISION	REVISED QUANTITIES AND NOTE

SUMMARY OF QUANTITIES

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

WORKING NUMBER
SQ-1

PROJECT NO. : BR-2902-00(010)
COUNTY : CLARKE

FILENAME: SQS-SH.DGN CHECKED _____ DATE _____
DESIGN TEAM _____

SHEET NUMBER
9

SUMMARY OF QUANTITIES (SHEET 2)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL
	***** BASE ITEMS *****			
	ALTERNATE PAY ITEMS			
907-304-F002	SIZE 610 CRUSHED STONE BASE	TON	4284	
	OR			
907-304-F003	3/4" AND DOWN CRUSHED STONE BASE	TON	4284	
	OR			
907-304-F004	SIZE 825B CRUSHED STONE BASE	TON	4284	
	***** BITUMINOUS PAVING ITEMS *****			
907-403-C009	19-MM, ST, ASPHALT PAVEMENT, TRENCH WIDENING	TON	23	
907-403-A018	12.5-MM, ST, ASPHALT PAVEMENT	TON	696	
907-403-A019	19-MM, ST, ASPHALT PAVEMENT	TON	1065	
907-403-A017	9.5-MM, ST, ASPHALT PAVEMENT	TON	622	
406-A001	COLD MILLING OF BITUMINOUS PAVEMENT, ALL DEPTHS	SY	2713	
907-407-A001	ASPHALT FOR TACK COAT	GAL	677	
907-413-E001	SAWING AND SEALING TRANSVERSE JOINTS IN ASPHALT PAVEMENT	LF	56	
423-A001	RUMBLE STRIPS, GROUND IN	MI	2	
	***** BRIDGE ITEMS *****			
501-E001	EXPANSION JOINTS, WITHOUT DOWELS	LF	94	
501-G001	DOWELS, DRILLED AND INSTALLED	EA	72	
502-A001	REINFORCED CEMENT CONCRETE BRIDGE END PAVEMENT	SY	204	
503-C007	SAW CUT, FULL DEPTH	LF	550	
907-601-B003	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	CY	1	
606-B001	GUARD RAIL, CLASS A, TYPE 1	LF	400	
606-D012	GUARD RAIL, BRIDGE END SECTION, TYPE I	EA	4	
606-E001	GUARD RAIL, TERMINAL END SECTION	EA	4	
615-A018	CONCRETE BRIDGE END BARRIER, 33.5" △	LF	40	
	***** DRAINAGE ITEMS *****			
907-603-AL T02	24" TYPE A ALTERNATE PIPE	LF	140	
603-CA089	24" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	LF	32	
603-CB002	24" REINFORCED CONCRETE END SECTION	EA	2	
907-617-A001	RIGHT-OF-WAY MARKER	EA	6	

- ① INCLUDES 2084 TONS FOR SHOULDERS AND 1486 TONS FOR SUBGRADE. QUANTITY INCLUDES 20% SHRINKAGE FACTOR.
- ① INCLUDES 48 TONS FOR WIDENING & OVERLAY, 203 TONS FOR TRANSITIONS AND 345 TONS FOR NEW CONSTRUCTION.
- ③ INCLUDES 261 TONS FOR TRANSITIONS AND 801 TONS FOR NEW CONSTRUCTION.
- ④ INCLUDES 23 TONS FOR WIDENING & OVERLAY, 149 TONS FOR TRANSITIONS AND 458 TONS FOR NEW CONSTRUCTION.
- ⑤ ZINC COATED CORRUGATED METAL PIPE, 12 GAUGE (2 2/3" X 1/2") OR BITUMINOUS COATED CORRUGATED METAL PIPE, 14 GAUGE (2 2/3" X 1/2") OR ALUMINUM COATED CORRUGATED METAL PIPE, 16 GAUGE (2 2/3" X 1/2") OR REINFORCED CONCRETE PIPE, CLASS "III" OR CORRUGATED POLYETHYLENE PIPE OR POLY VINYL CHLORIDE PIPE.

5/8/15	REVISION	BY	DATE

SUMMARY OF QUANTITIES

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PROJECT NO. : BR-2902-00(010)
COUNTY : CLARKE

WORKING NUMBER
SQ-2

SHEET NUMBER
10

FILENAME: SQS-SH.DGN CHECKED _____ DATE _____

STATE PROJECT NO.
MISS. BR-2902-00(010)

EOP STA. 1273+00.00

REVISIONS	DATE	BY
	5/8/15	GTW

CURVE AL111-2
Δ = 16°28'49.970" (LT)
D = 3°02'14.340"
L = 542.602'
T = 273.187'
BK N 75°21'44.880" E
R = 1.886.395'
PC 1273+00.000
PT 1278+42.602

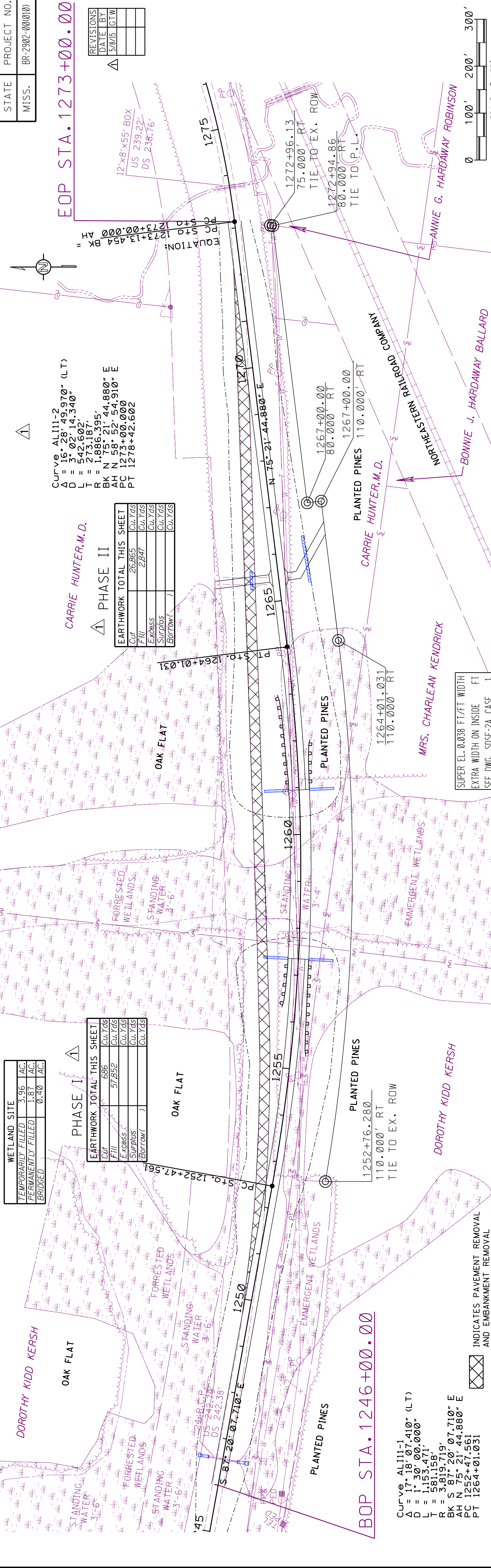
PHASE II

EARTHWORK TOTAL THIS SHEET		Cu.Yds	Cu.Yds
Cut	26,865	Cu.Yds	
Fill	2,847	Cu.Yds	
Excess		Cu.Yds	
Surplus		Cu.Yds	
Borrow		Cu.Yds	

WETLAND SITE		3.96 AC.
TEMPORARILY FILLED	1.87 AC.	
PERMANENTLY FILLED	0.40 AC.	
BRIDGED		

PHASE I

EARTHWORK TOTAL THIS SHEET		Cu.Yds	Cu.Yds
Cut	686	Cu.Yds	
Fill	57,852	Cu.Yds	
Excess		Cu.Yds	
Surplus		Cu.Yds	
Borrow		Cu.Yds	



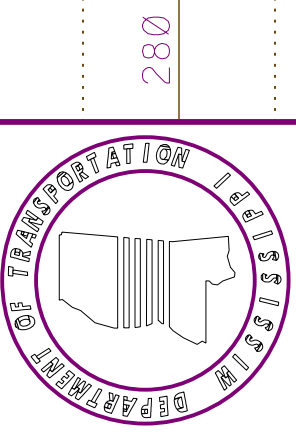
BOP STA. 1246+00.00

CURVE AL111-1
Δ = 17°18'07.410" (LT)
D = 1°30'00.000"
L = 1,153.471'
T = 581.158'
BK S 81°20'07.710" E
R = 3,819.719'
PC 1252+47.561
PT 1264+01.031

INDICATES PAVEMENT REMOVAL AND EMBANKMENT REMOVAL

SUPER EL. 0.038 FT/FT WIDTH
EXTRA WIDTH ON INSIDE FT
SEE DWG. SDSE-2A CASE 1

STA.	DESCRIPTION	ELEVATION	PHASE	TYPE	REMARKS
280	STA. 1246+81.71 RCP EXTEND 24" RCP 16FT. LEFT & 16FT. RIGHT 2-24" PIPE COLLARS REQ'D	EL. 254.59			
270		EL. 254.59			
260		EL. 254.59			
250		EL. 254.59			
240		EL. 254.59			
230		EL. 254.59			
220		EL. 254.59			
210		EL. 254.59			
200		EL. 254.59			
190		EL. 254.59			
180		EL. 254.59			
170		EL. 254.59			
160		EL. 254.59			
150		EL. 254.59			
140		EL. 254.59			
130		EL. 254.59			
120		EL. 254.59			
110		EL. 254.59			
100		EL. 254.59			
90		EL. 254.59			
80		EL. 254.59			
70		EL. 254.59			
60		EL. 254.59			
50		EL. 254.59			
40		EL. 254.59			
30		EL. 254.59			
20		EL. 254.59			
10		EL. 254.59			
0		EL. 254.59			



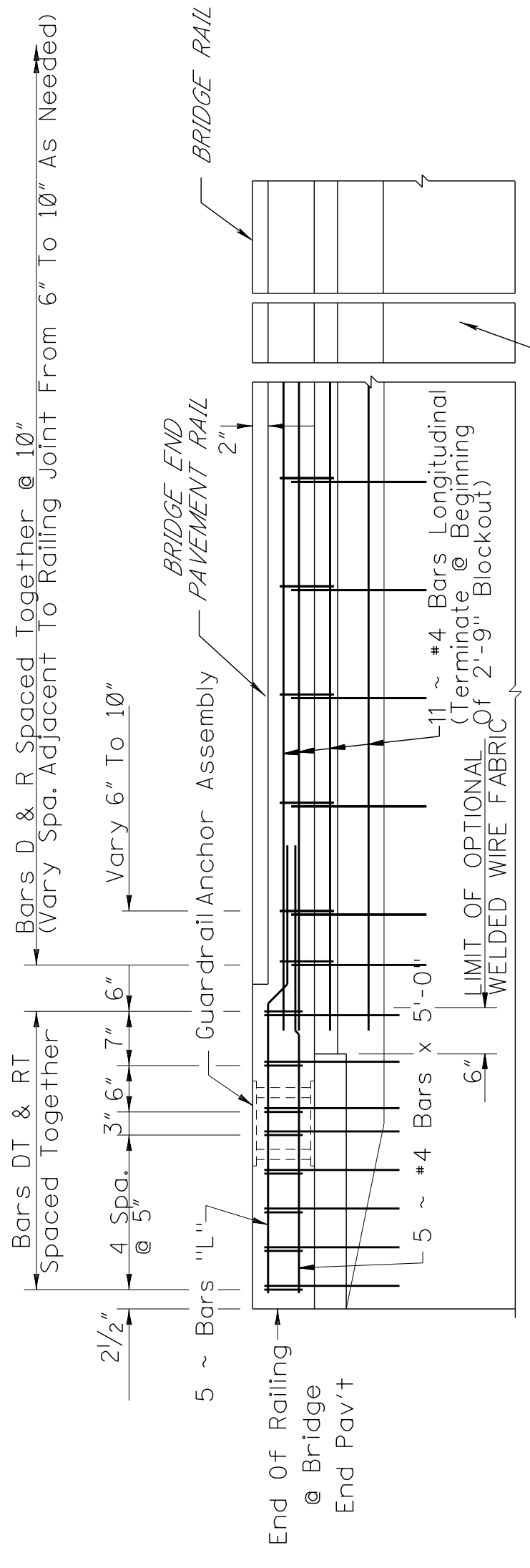
UTILITIES

BELL SOUTH
POC: RICKY BLOCKER
ADDRESS: 2310 SEVENTH STREET
MERIDIAN, MS 39301
PHONE # 601-482-0143

MISSISSIPPI POWER COMPANY
POC: MR. DOUG GOODMAN
ADDRESS: 2128 HWY 39 N
MERIDIAN, MS 39302
PHONE # 601-581-8742

HARMONY WATER ASSOCIATION
POC: MR. DANIEL DEARMON
ADDRESS: 118 LONG BLVD.
QUITMAN, MS 39355
PHONE # 601-776-2593

STATE	MISS.
PROJECT NO.	BR-2902-00(010)

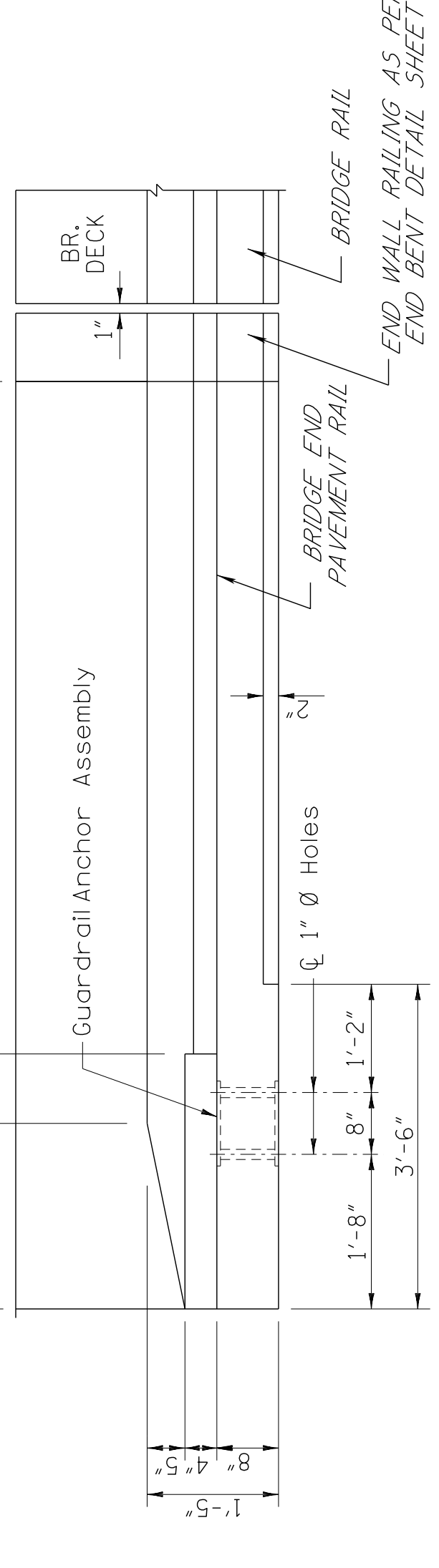


PART PLAN OF LEFT RAILING

(Showing Conventional Reinforcing. See CONSTRUCTION NOTES For Details Of Optional Welded Wire Fabric.)

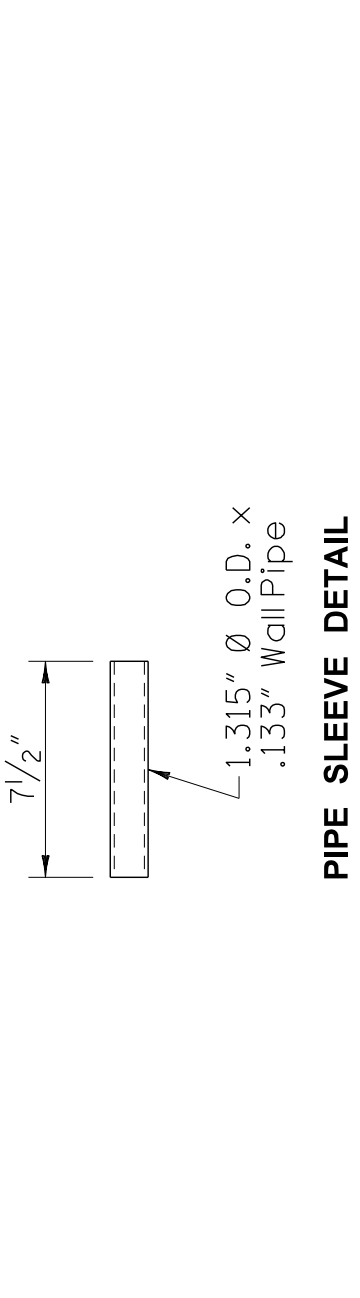
SKEWED PART PLAN OF LEFT RAILING AT BRIDGE END WALL

(Showing Conventional Reinforcing. See CONSTRUCTION NOTES For Details Of Optional Welded Wire Fabric.)



PART PLAN OF RIGHT RAILING

(Showing Concrete Dimensions)



PIPE SLEEVE DETAIL

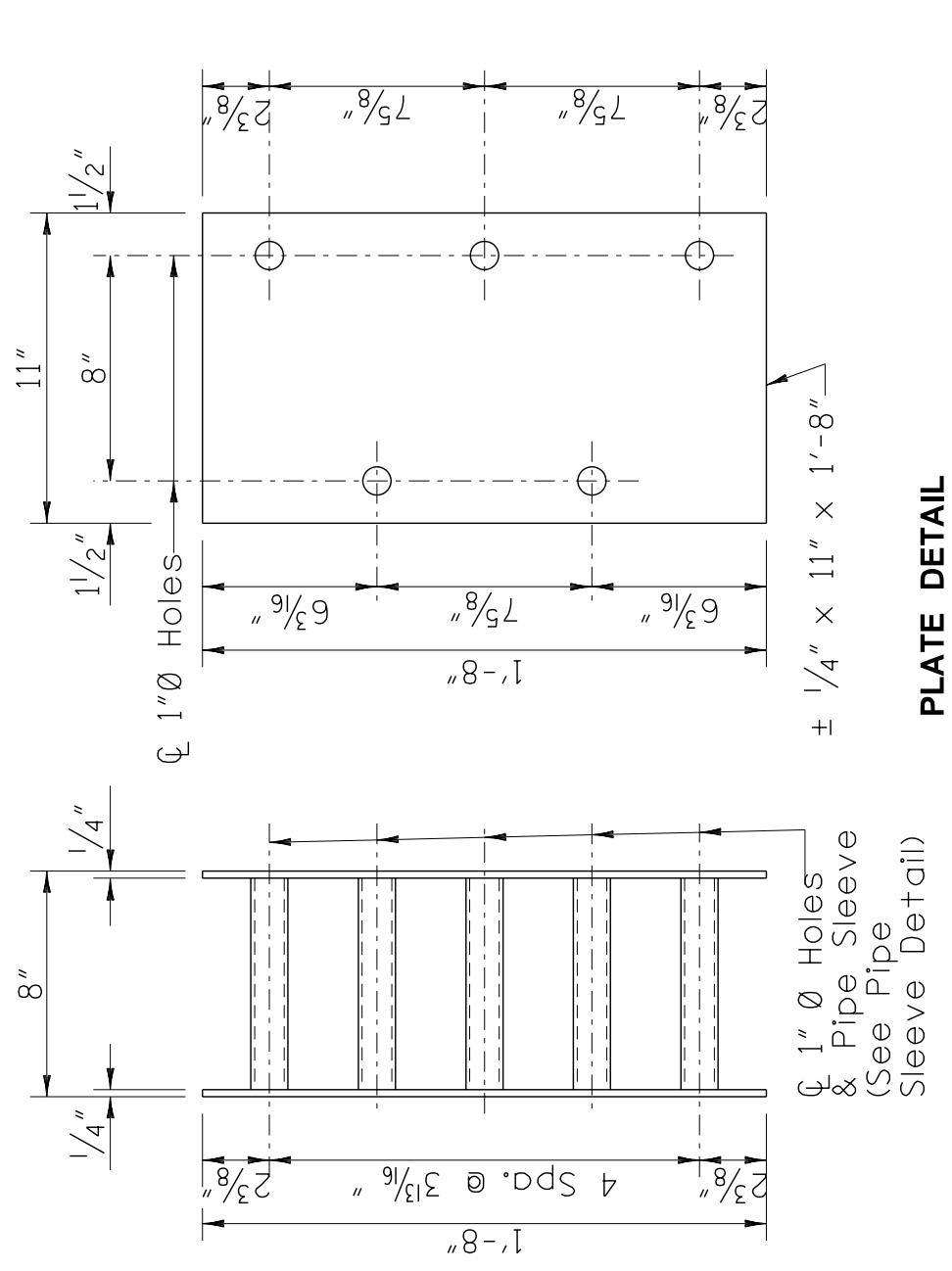
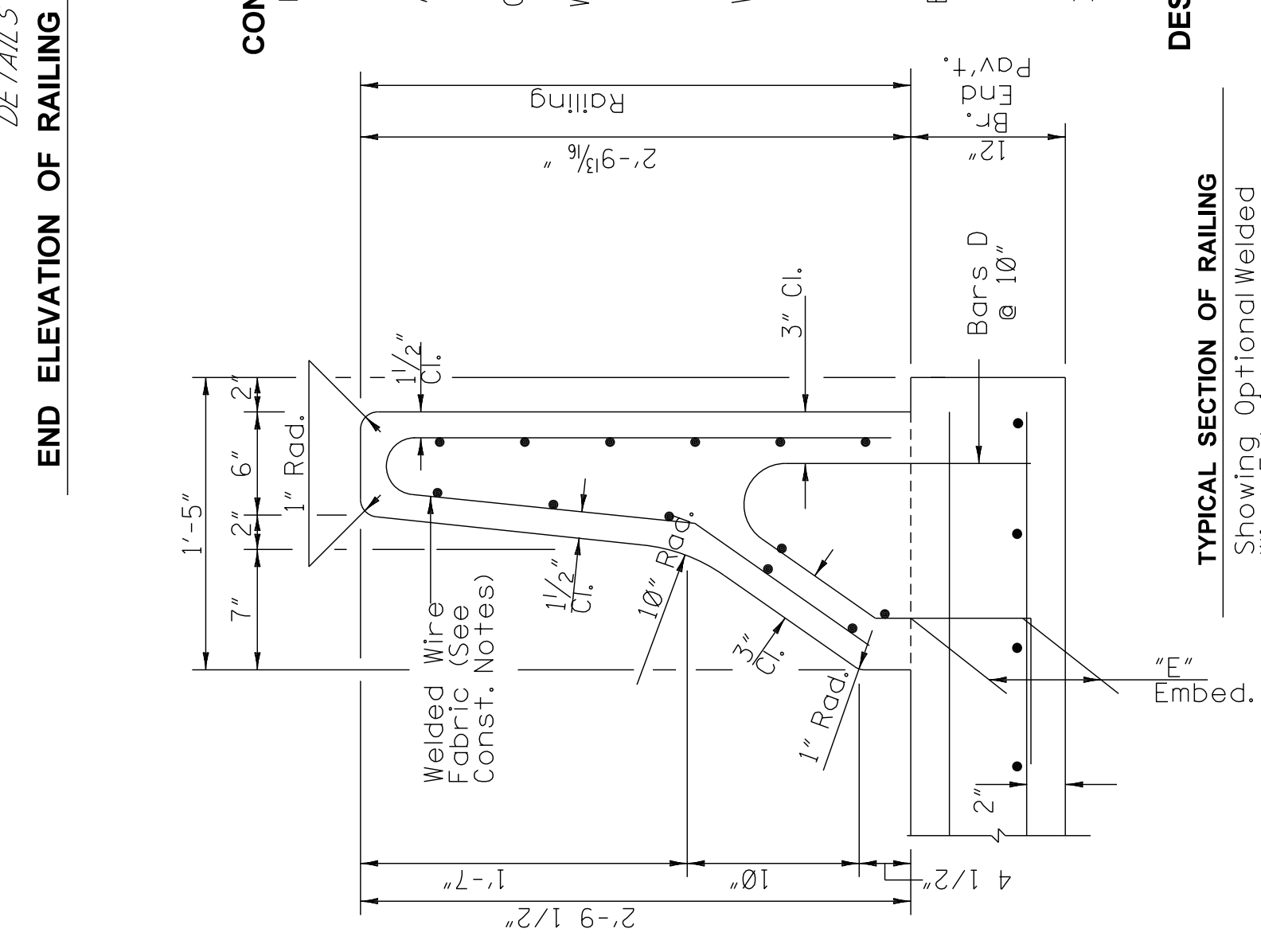


PLATE DETAIL

GUARDRAIL ANCHOR ASSEMBLY



END ELEVATION OF RAILING

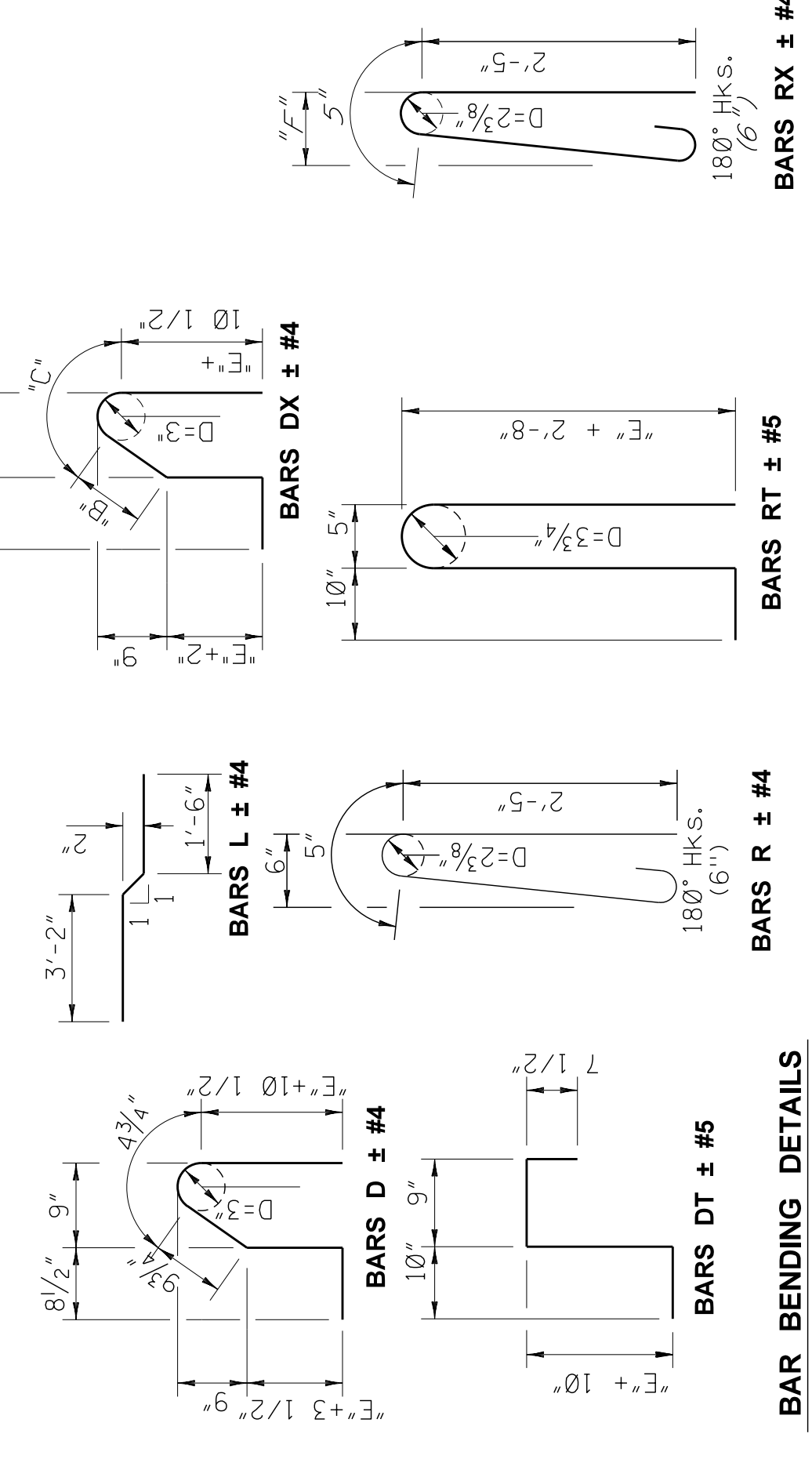
NOTE: "E" = Slab Thickness (In.) - 2 Inch.

CONSTRUCTION NOTES:

Fabricate Guardrail Anchor Assemblies By Tack Welding Each End Of Pipe Sleeves To Plates. Plates Shall Be ASTM A 36 Steel. Pipes Shall Be ASTM A 120. Galvanize Complete Assemblies After Fabrication Per ASTM A 153. Attach Assemblies Securely To Forms Prior To Pouring Railing Concrete To Assure That Exposed Surfaces Of The Assemblies Will Be Flush With Concrete Surfaces. GUARDRAIL ANCHOR ASSEMBLIES SHALL BE INSTALLED IN BOTH LEFT AND RIGHT RAILINGS AT EACH END OF ALL BRIDGES. Welded Wire Fabric Meeting The Requirements Of ASTM A 497 And Details Shown On This Sheet May Be Used As An Option To Conventional Railing Reinforcing. Longitudinal Wires Shall Be D8 Spaced As Shown In The BAR BENDING DETAILS And Vertical Wires Shall Be Welded Wire Fabric. Shall Not Be Used In The 2'-9" Thrie Beam Blockout Reinforcement For The 2'-9" Thrie Beam Blockout Shall Consist Of Conventional Reinforcing As Shown In Details On This Sheet. The Longitudinal Bars Of The Conventional Reinforcing Shall Extend Beyond The 2'-9" Thrie Beam Blockout Into The Welded Wire Fabric A Minimum Distance Of 1'-6". Bridge End Pavement Rail Shall Be Constructed And Paid For In Accordance With Section 813 Of The Standard Specifications. 4" Diameter weep hole to be placed in bridge end pavement rail where required to reduce ponding. IF TOP LIFT IS ANYTHING OTHER THAN 1.5', THE LIFT SHALL BE TRANSITIONED TO 1.5' ACROSS THE LENGTH OF THE BRIDGE END SLAB.

PART ELEVATION OF OUTSIDE FACE OF RAILING

(Showing Conventional Reinforcing. See CONSTRUCTION NOTES For Details Of Optional Welded Wire Fabric.)



BAR BENDING DETAILS

Dimensions Are Out To Out NOTE: "E" = Slab Thickness (In.) - 2 Inch.

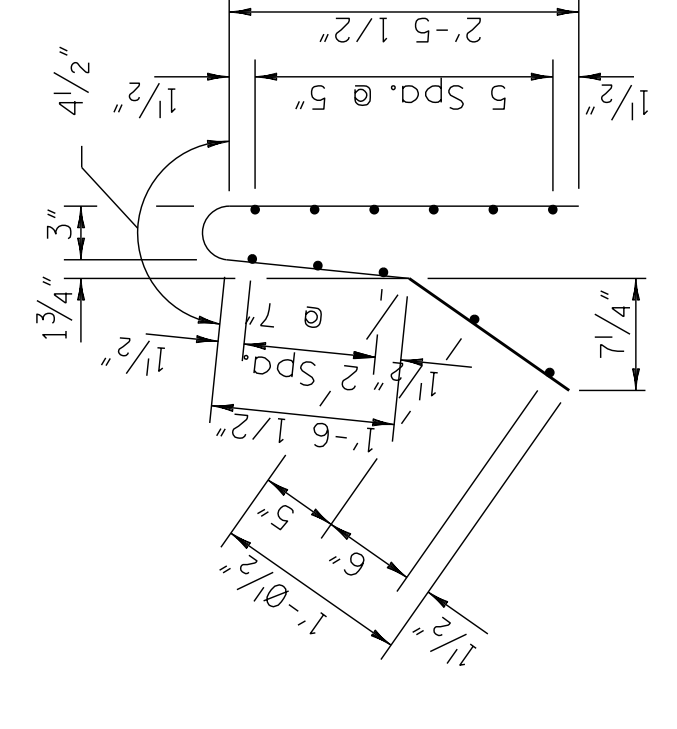
SKEW (DEG)	BARS DX ~ #4			BARS RX ~ #4		
	"A"	"B"	"C"	"E"	"F"	"G"
0	9"	9 3/4"	5"	6"	6"	6"
5	9"	9 3/4"	5"	6"	6"	6"
10	9"	9 3/4"	5"	6"	6"	6"
15	9 1/4"	10"	5"	6 1/4"	6 1/4"	6 1/4"
20	9 1/2"	10 1/2"	5"	6 1/2"	6 1/2"	6 1/2"
25	10"	10 1/2"	5"	6 1/2"	6 1/2"	6 1/2"
30	10 1/4"	10 1/2"	5"	7"	7"	7"
35	11"	11 1/4"	4 3/4"	7 1/4"	7 1/4"	7 1/4"
40	11 3/4"	11 3/4"	4 3/4"	7 3/4"	7 3/4"	7 3/4"
45	1' - 0 1/4"	1' - 0 3/4"	4 1/2"	8 1/2"	8 1/2"	8 1/2"
50	1' - 2"	1' - 1 3/4"	4 1/2"	9 1/4"	9 1/4"	9 1/4"
55	1' - 3 3/4"	1' - 2 1/2"	4 1/2"	10 1/2"	10 1/2"	10 1/2"

DESIGN DATA

Specifications.....A.A.S.H.T.O. 1992 & Int. Thru 1995
Concrete.....Class "AA"(4,000 psi)
Reinforcing.....ASTM A 615 Grade 60 (Fy = 60 Ksi)

TYPICAL SECTION OF RAILING

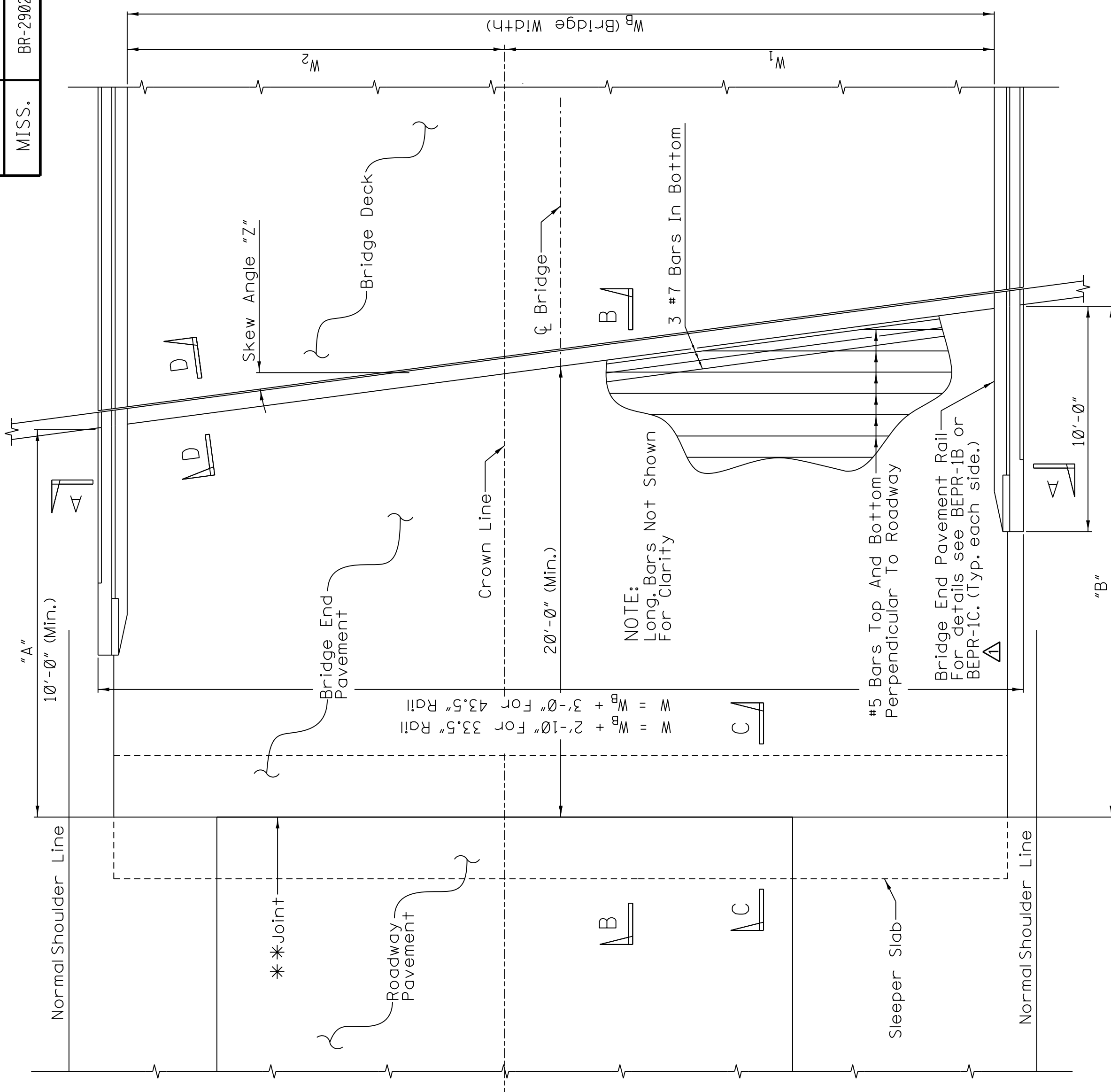
Showing Optional Welded Wire Fabric



WELDED WIRE FABRIC
Optional - See CONSTRUCTION NOTES

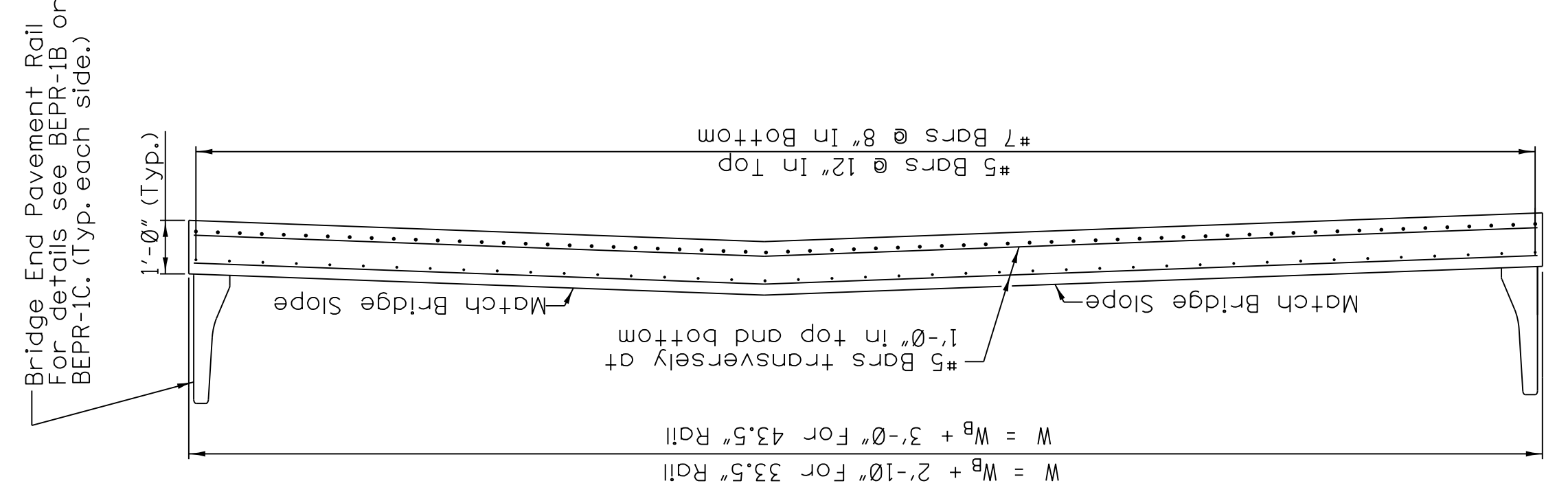
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
33.5" BRIDGE END PAVEMENT RAIL	
COUNTY: CLARKE	WORKING NUMBER: BEPR-1B
PROJ. NUM.: BR-2902-00(010)	DRAWING NUMBER: 31
FILENAME: BRENDPAVERAIL-33.5-12-INCH	DATE: 2/12/15
DESIGN TEAM	CHECKED

STATE	MISS.
PROJECT NO.	BR-2902-00(010)



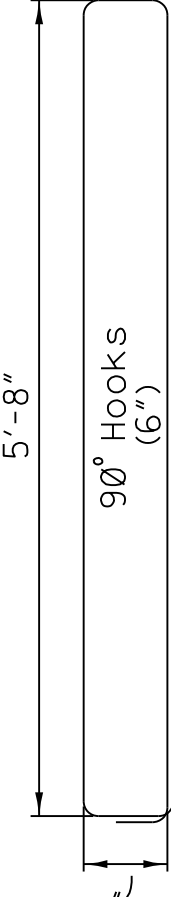
PLAN AT BRIDGE END

- GENERAL NOTES:
1. If Bridge End Pavement is constructed in more than one section, longitudinal construction joints with tie bars shall be used. Tie bars shall be #5 bars, 2'-6" long and spaced 2'-6" o.c. Such construction shall be used where indicated on plans.
 2. Dimensions 'A' & 'B' are based on a mid-length of 20 feet. Except in no case shall 'A' be less than 10'-0".
 3. See quantity section of plans for dimensions 'W', 'W₁', 'W₂', 'A', 'B', skew angle 'Z', and quantities.
 4. Reinforcement (deformed) may be furnished full length or may be spliced. If bars are spliced, they shall be spliced not less than 30 diameters.
 5. If top lift is anything other than 1.5", the lift shall be transitioned to 1.5" across the length of the bridge end slab.
 6. Outlets shall be required on both sides in normal crown and only on the low side of super-elevation.
 7. All items are absorbed in the bridge end pavement pay item.



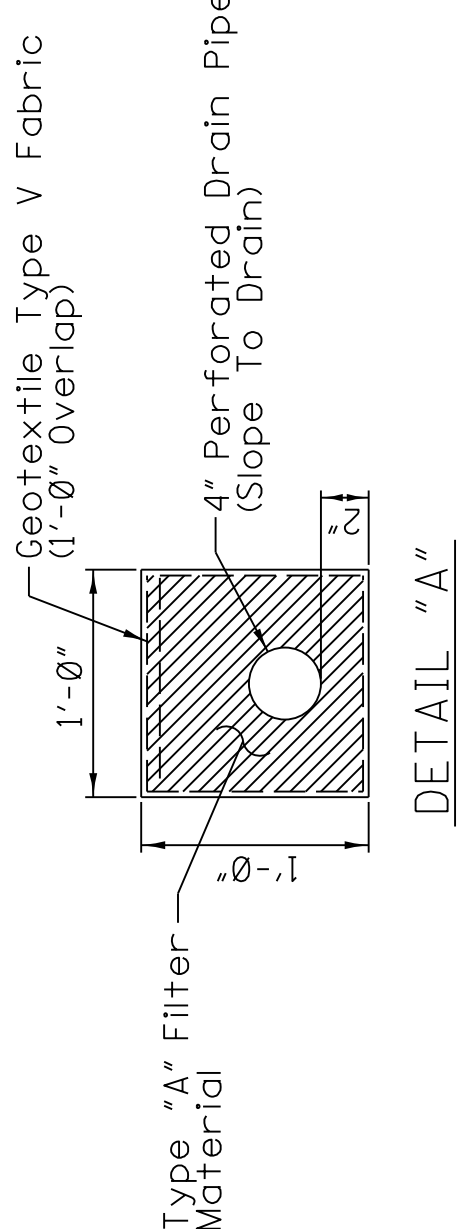
SECTION A-A

*NOTE:
1" Premolded Expansion Joint Sealed With Poured Joint Filler (Doweled). This Joint Required Only If Roadway Pavement is Concrete.

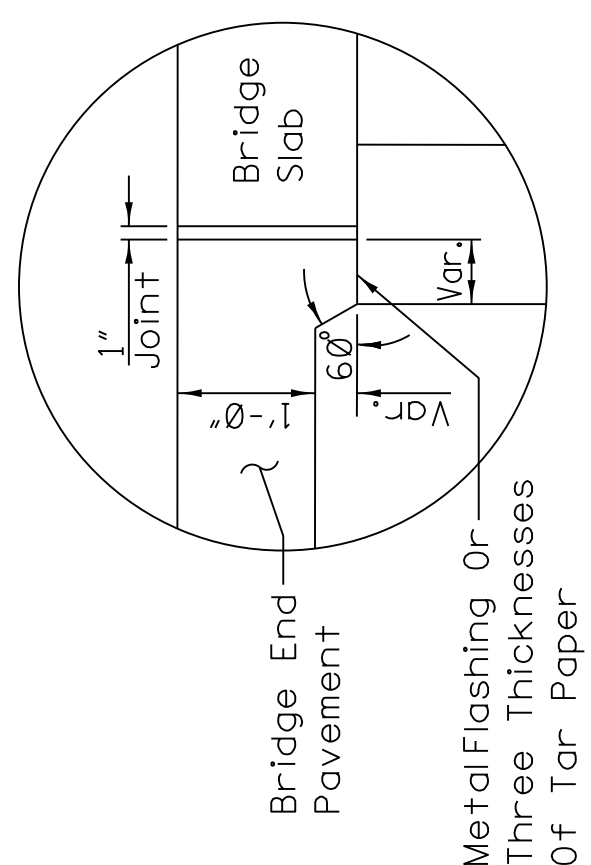


Bars A - #5

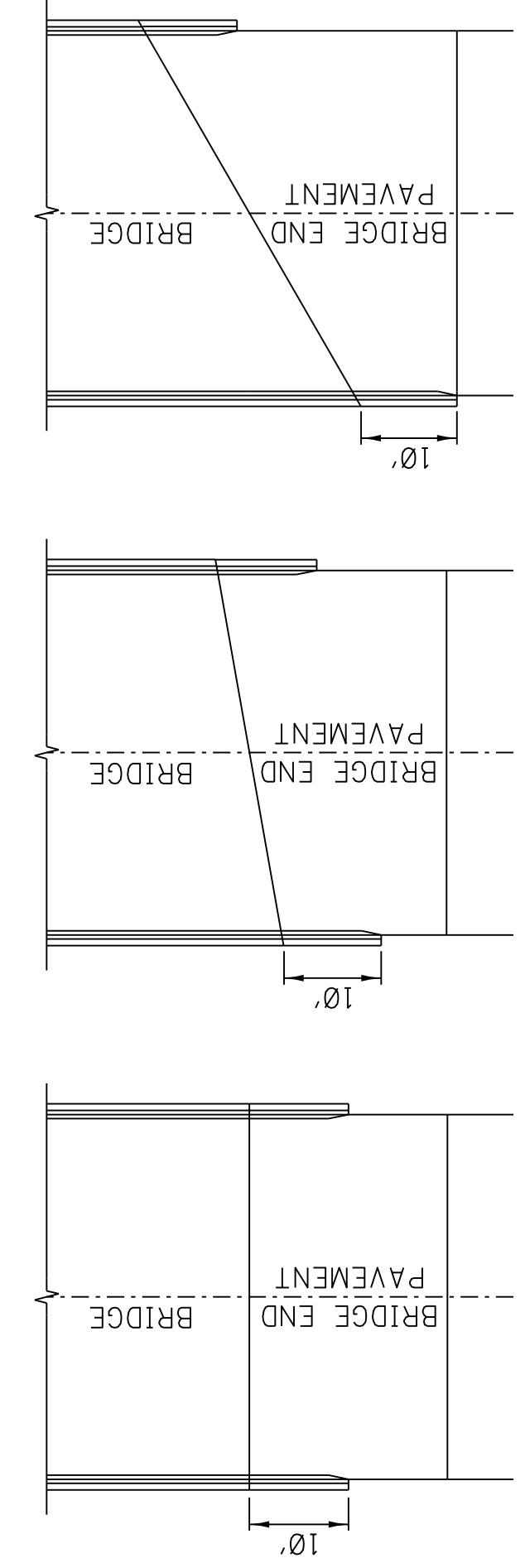
BAR BENDING DETAILS
Dimensions Are Out To Out



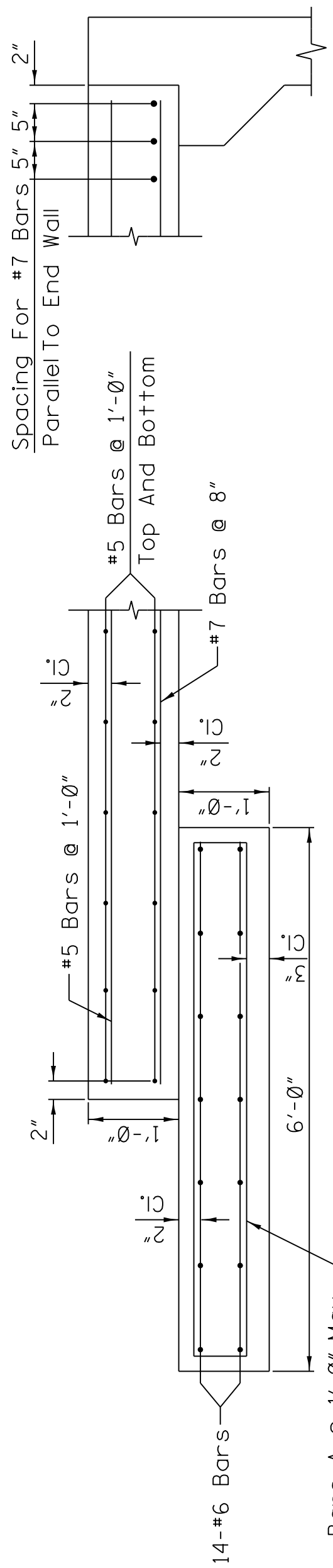
DETAIL "A"



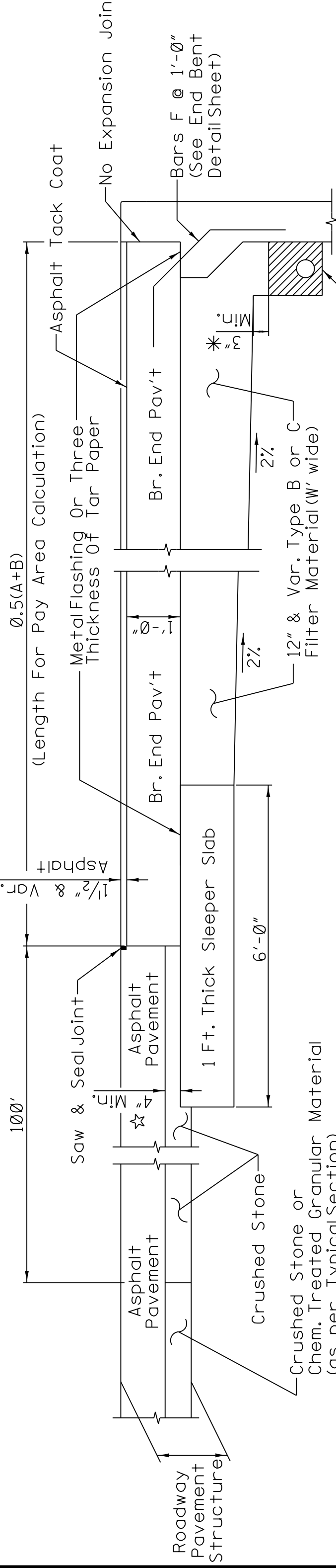
DETAIL SHOWING METHOD OF SEATING BRIDGE END PAVEMENT ON BRIDGES WITH NO PAVING BRACKET



BRIDGE WITH NO SKEW AND 'A' MORE THAN 10'
BRIDGE WITH SKEW AND 'A' EQUAL TO 10'
BRIDGE WITH SKEW AND 'A' MORE THAN 10'

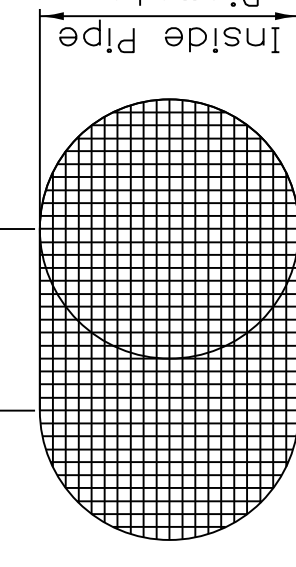


SECTION C-C



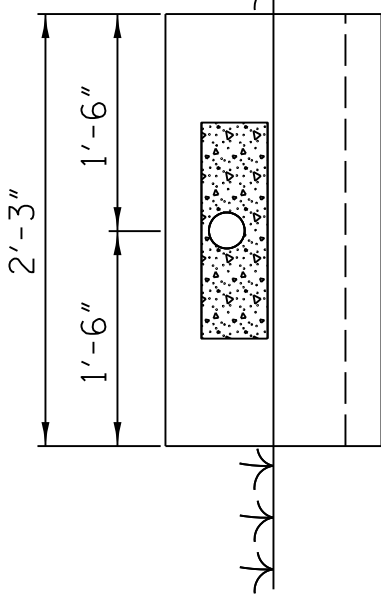
SECTION B-B

*NOTE:
When area between sleeper slab and asphalt is less than 4", asphalt should be used instead of crushed stone.

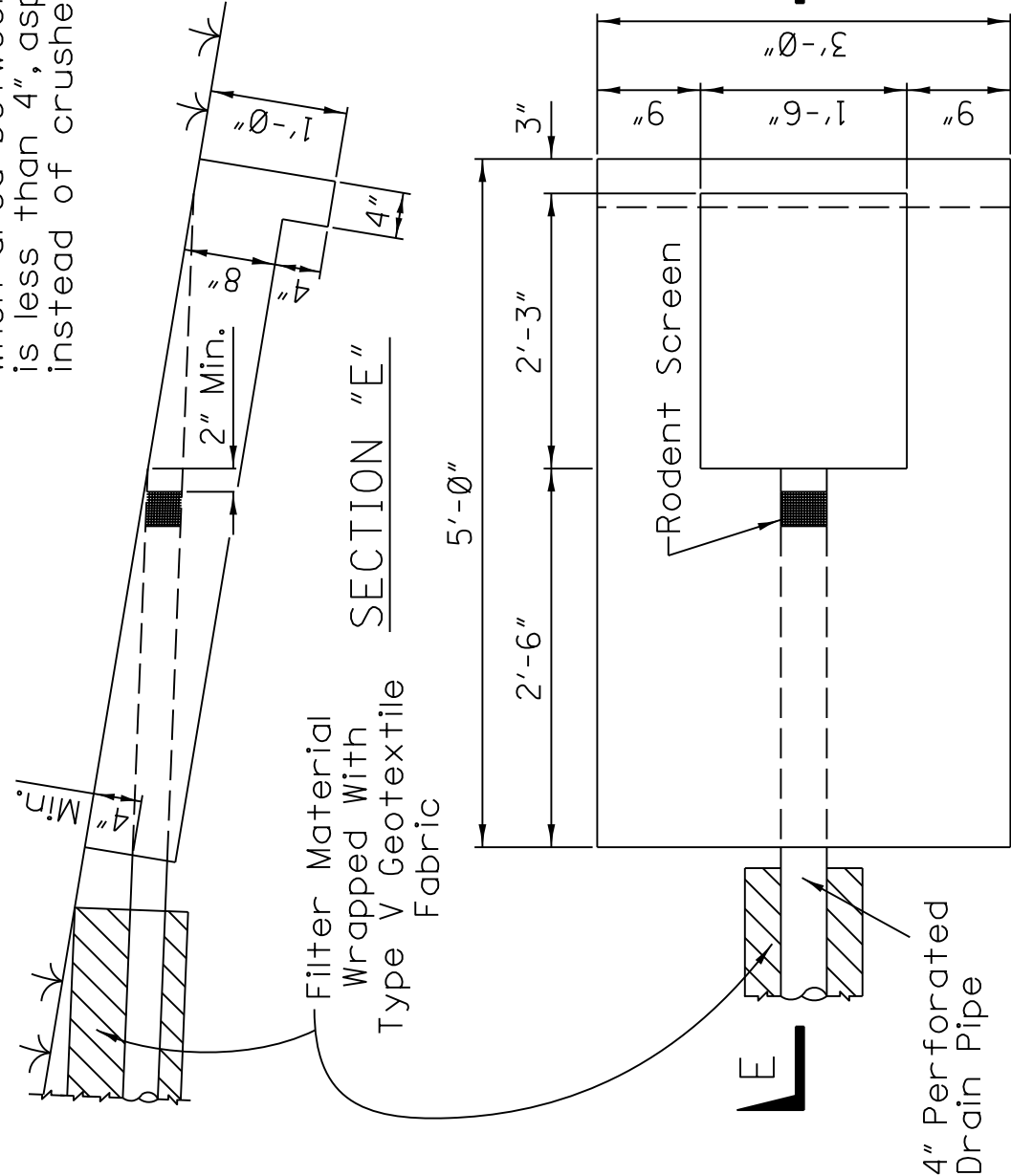


DETAIL OF RODENT SCREEN

3x3 galvanized hardware cloth 0.063 wire or equal formed to fit snug to inside of pipe.



OUTLET APRON DETAIL



SECTION "E"

NOTES:

1. 0.363 C.Y. Class "C" concrete required for apron.
2. PVC pipe shall be either schedule 40 or 80 polyvinylchloride plastic pipe.
3. Small animal guards shall be required on all exposed pipe openings by the end of the work day installed.
4. All fittings and joints to be constructed with smooth interior walls.
5. 4" perforated pipe daylighted at end of wingwall.

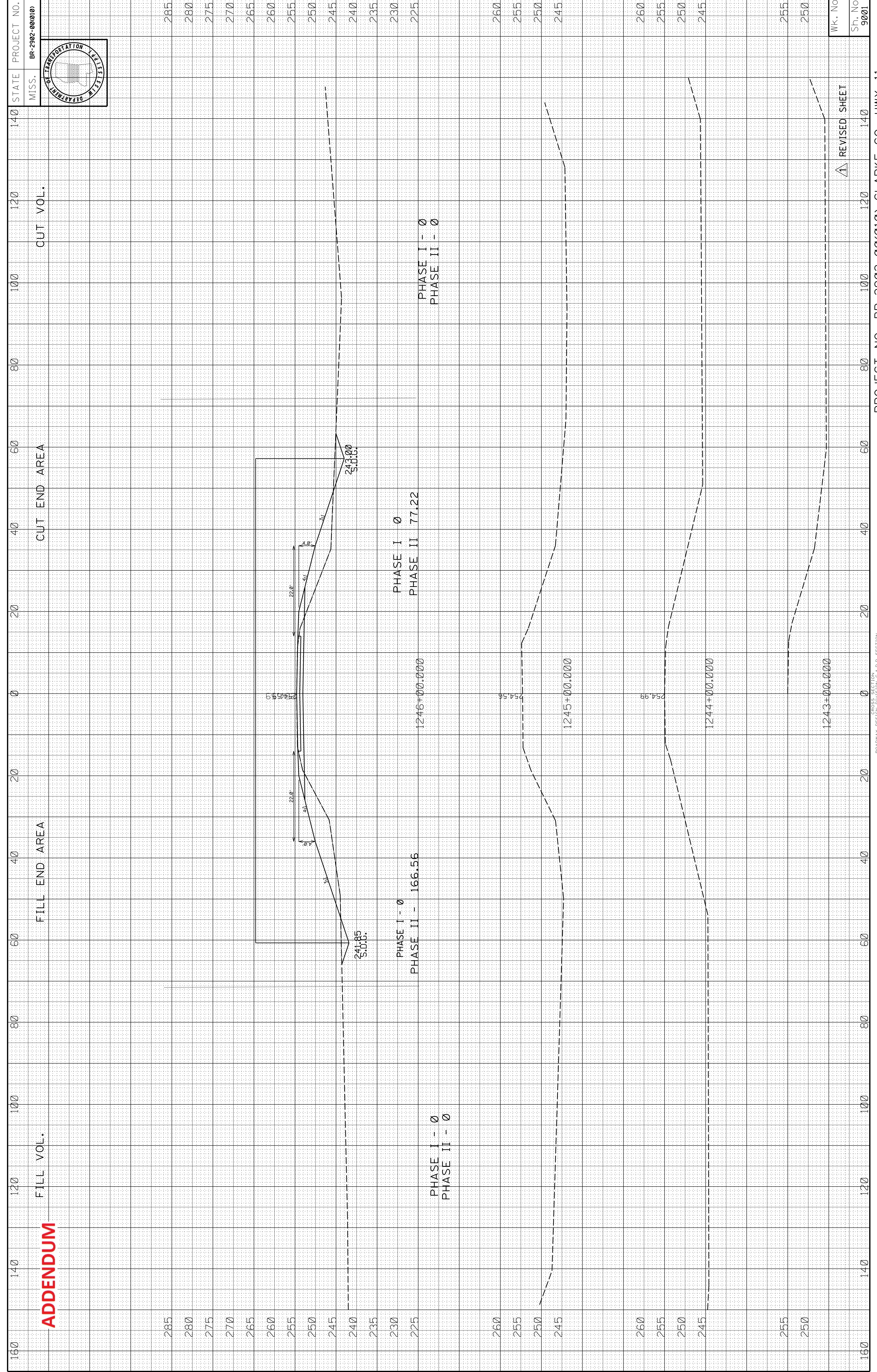
DATE	5/8/15
REVISION	
BY	
GTW	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

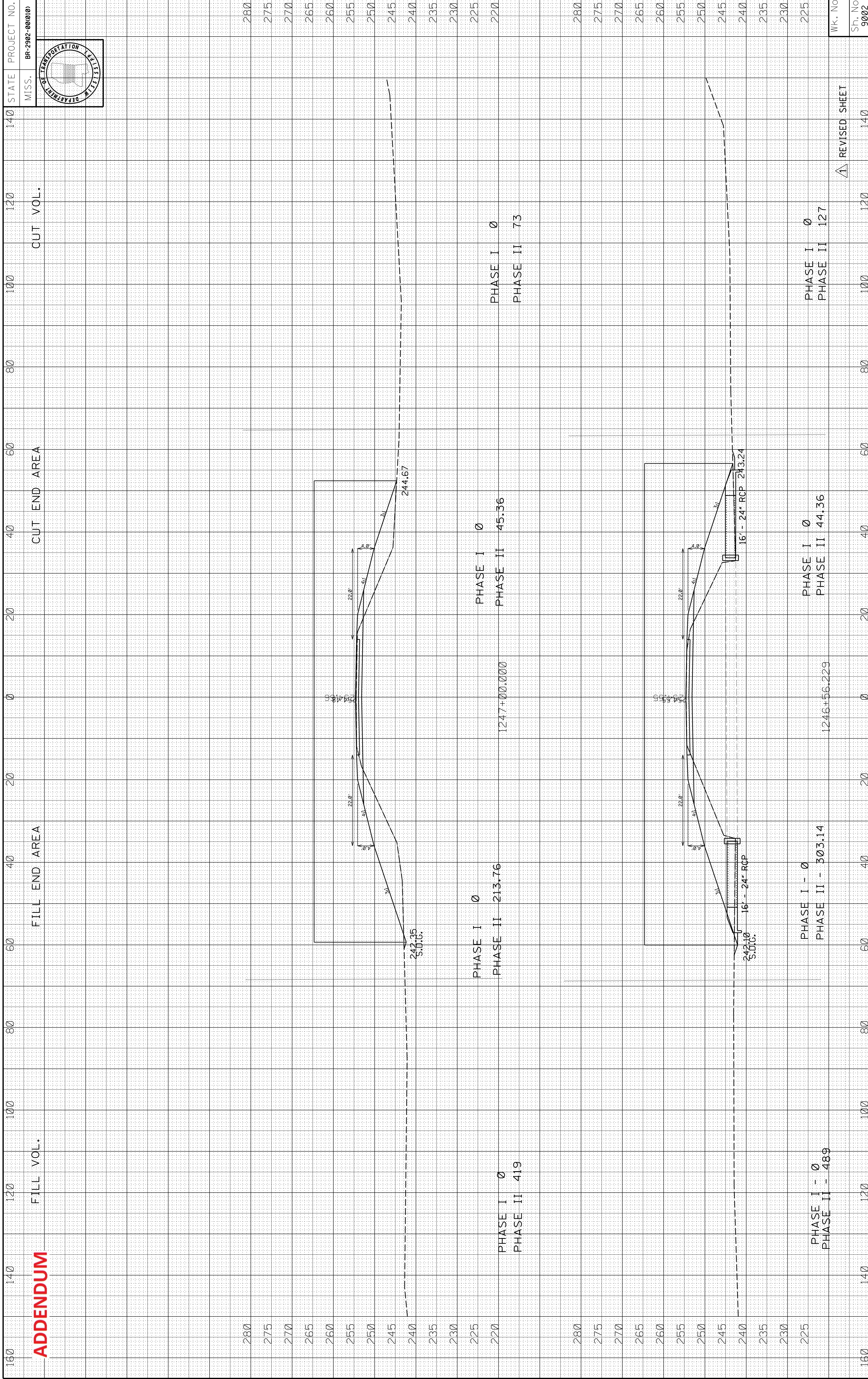
BRIDGE END PAVEMENT (WITH RAIL, OVERLAY, AND SLEEPER SLAB)

COUNTY: CLARKE
 PROJ. NUM.: BR-2902-00(010)
 FILENAME: BRIDGE_END_PAVEMENT
 WORKING NUMBER: BEPR-SS
 SHEET NUMBER: 32
 DATE: 2/12/15
 CHECKED: _____
 DESIGN TEAM: _____

ADDENDUM

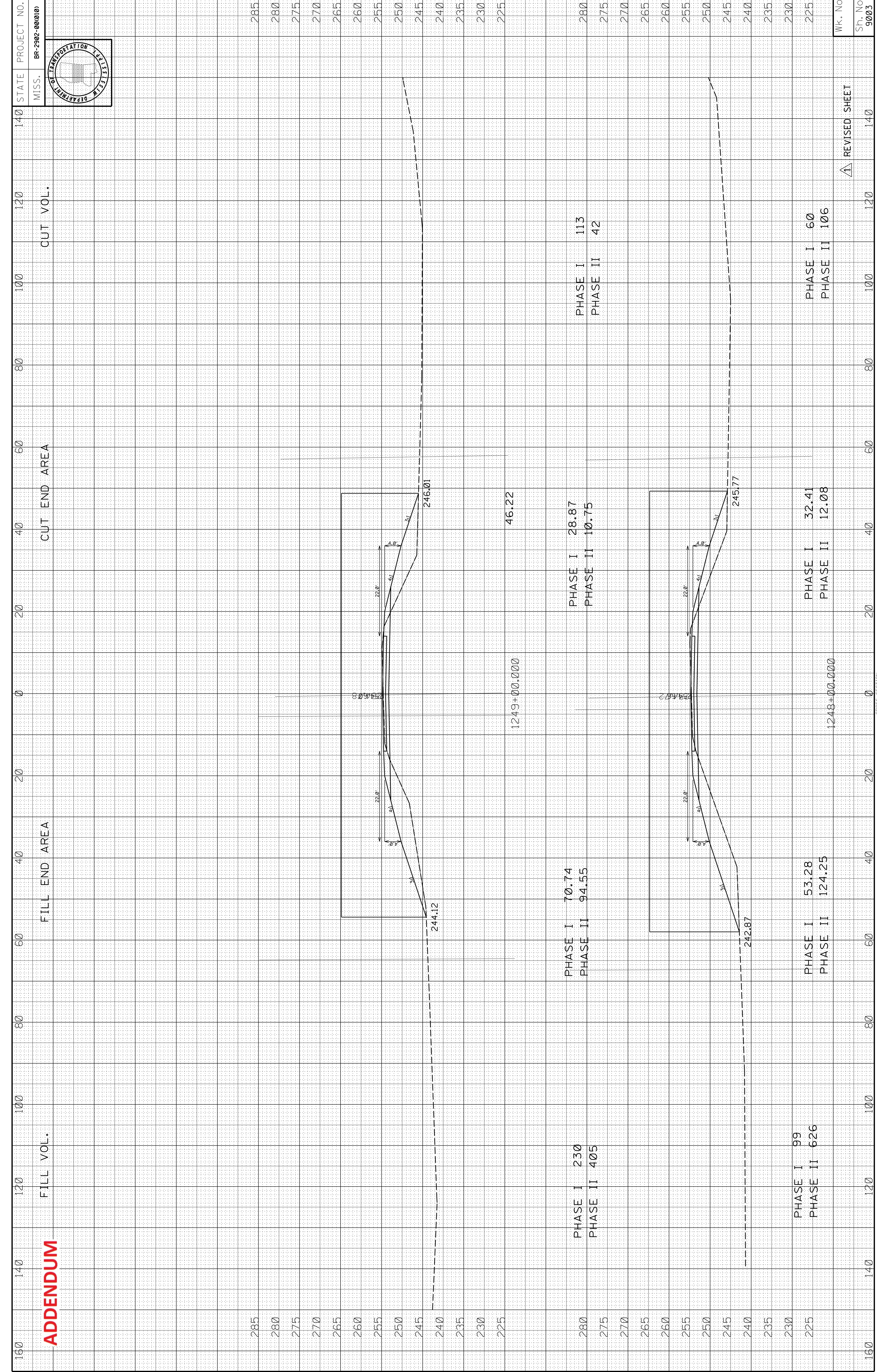


ADDENDUM



Station	FILL VOL.	FILL END AREA	CUT VOL.	CUT END AREA
280				
275				
270				
265				
260				
255				
250				
245				
240				
235				
230				
225				
220				
280				
275				
270				
265				
260				
255				
250				
245				
240				
235				
230				
225				

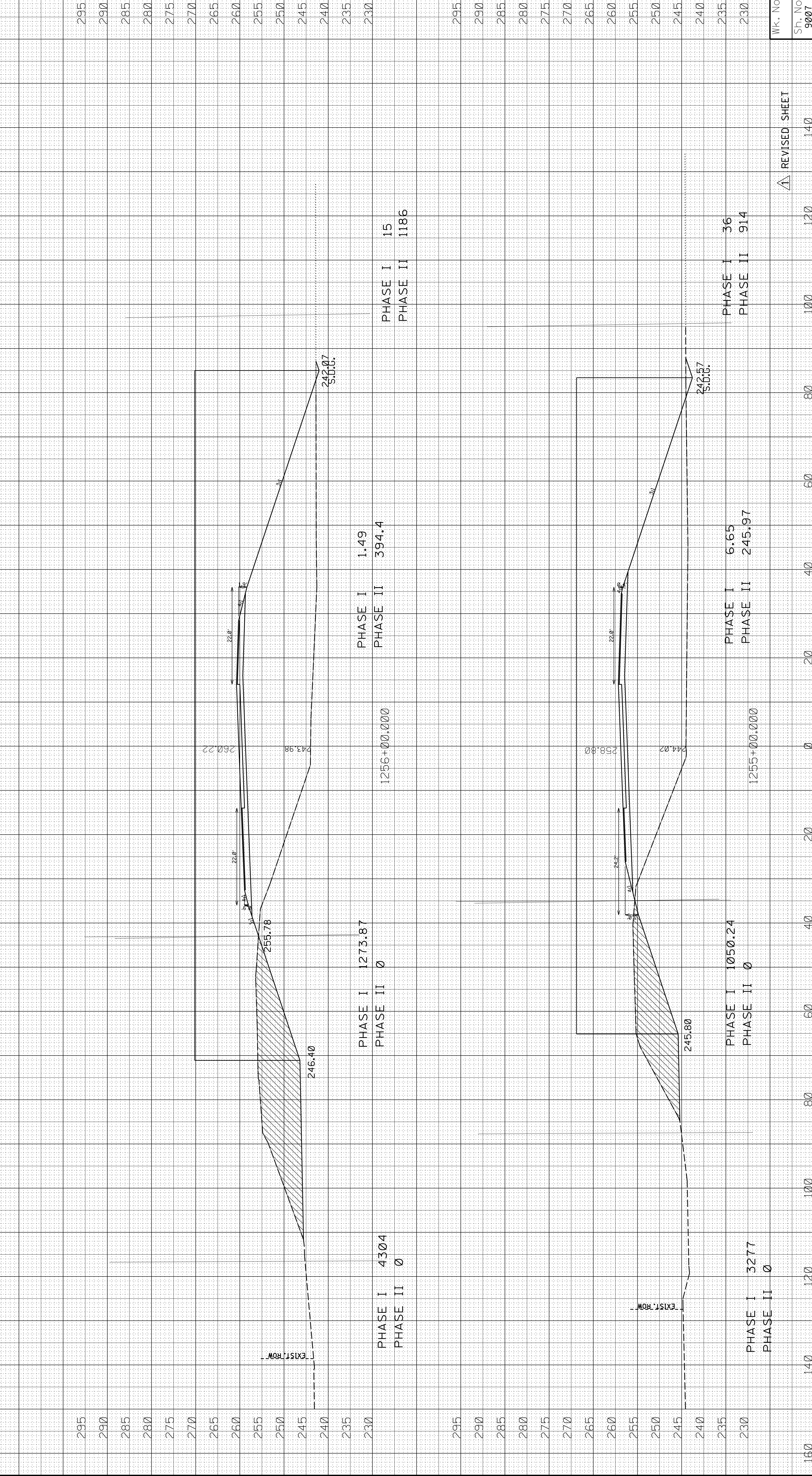
ADDENDUM



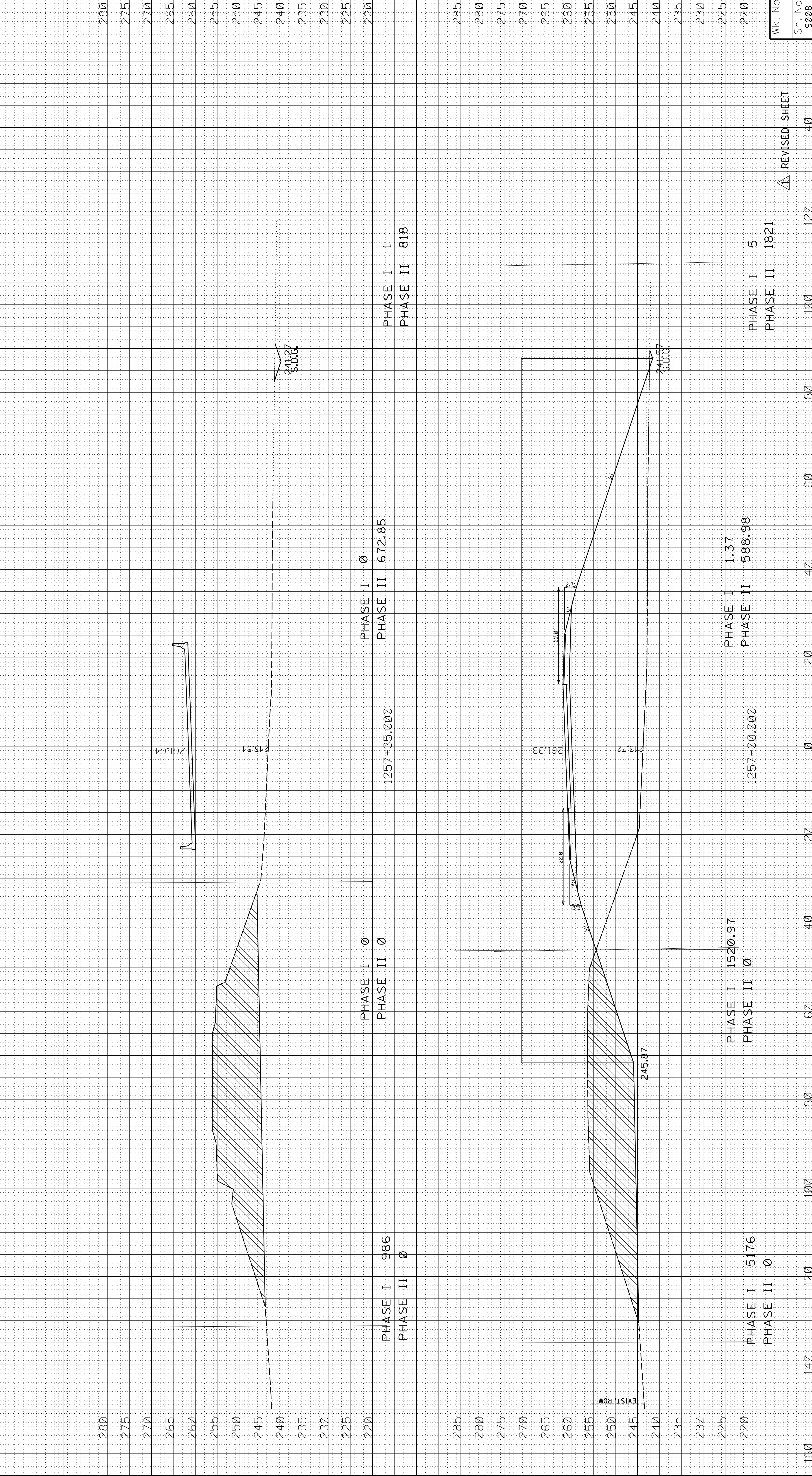
STATION	FILL VOL.	FILL END AREA	CUT VOL.	CUT END AREA
285				
280				
275				
270				
265				
260				
255				
250				
245				
240				
235				
230				
225				

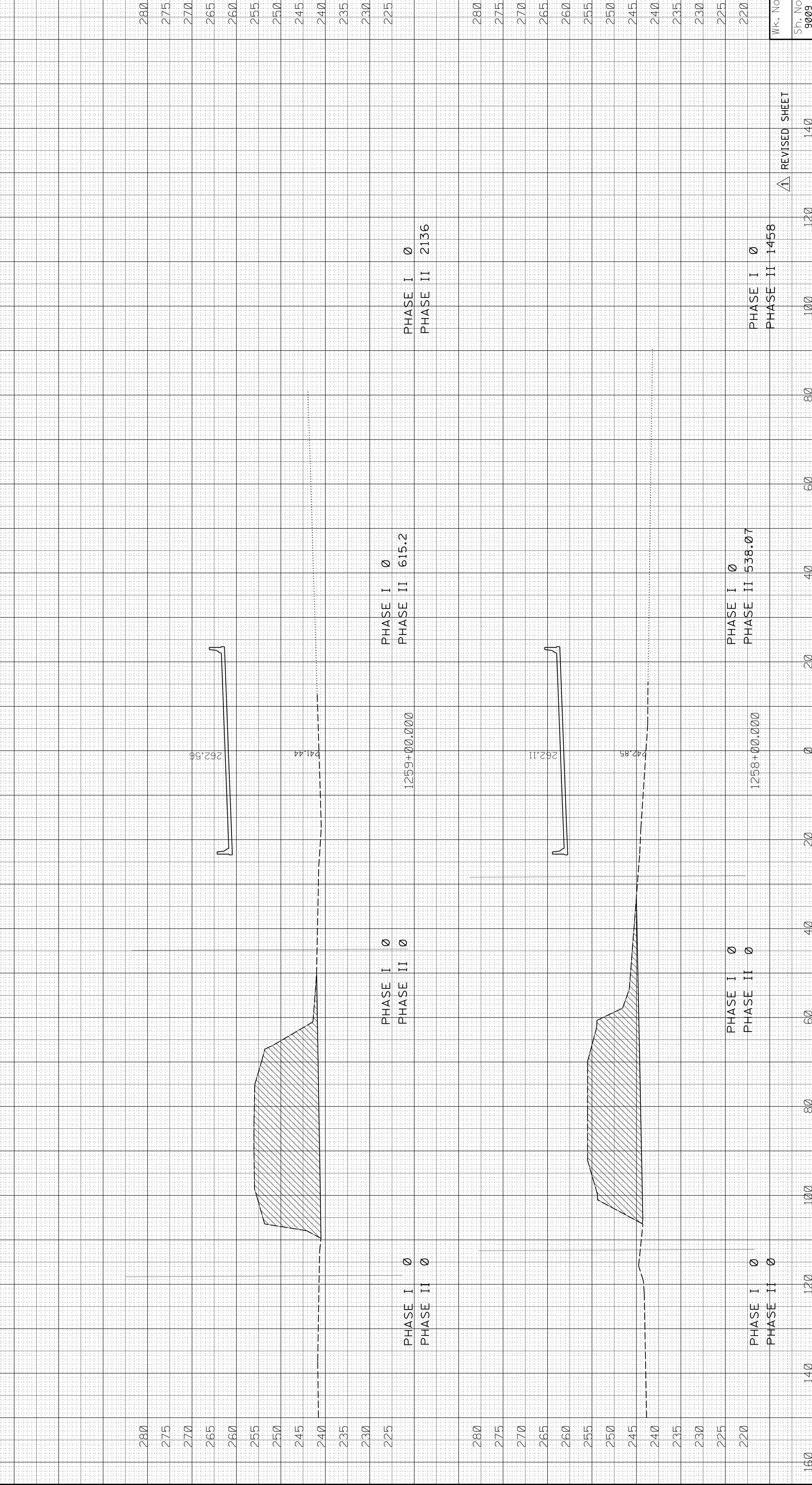
STATION	FILL VOL.	FILL END AREA	CUT VOL.	CUT END AREA
280	PHASE I 230 PHASE II 405			
275				
270				
265				
260				
255				
250				
245				
240				
235				
230	PHASE I 99 PHASE II 626			
225				

ADDENDUM

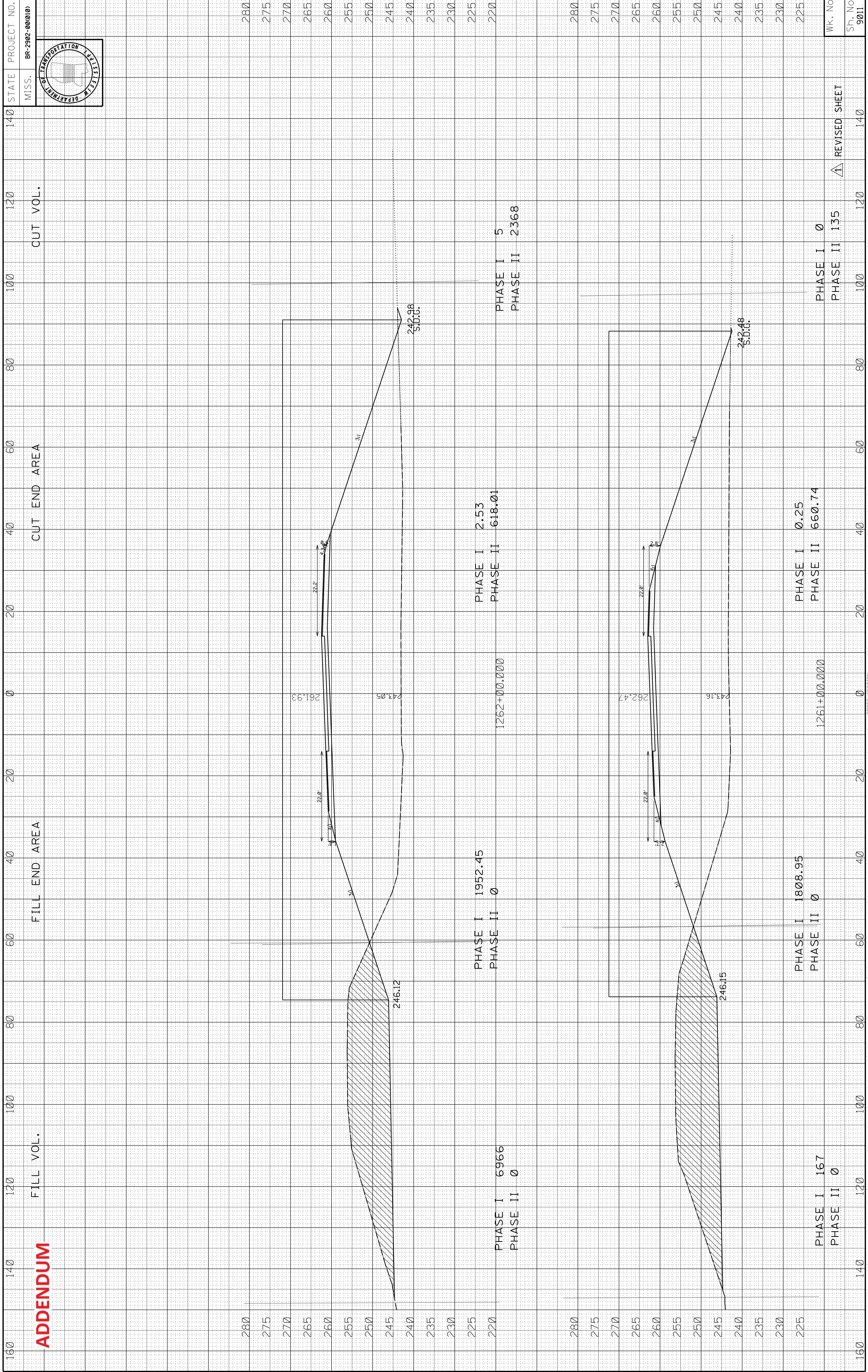


ADDENDUM

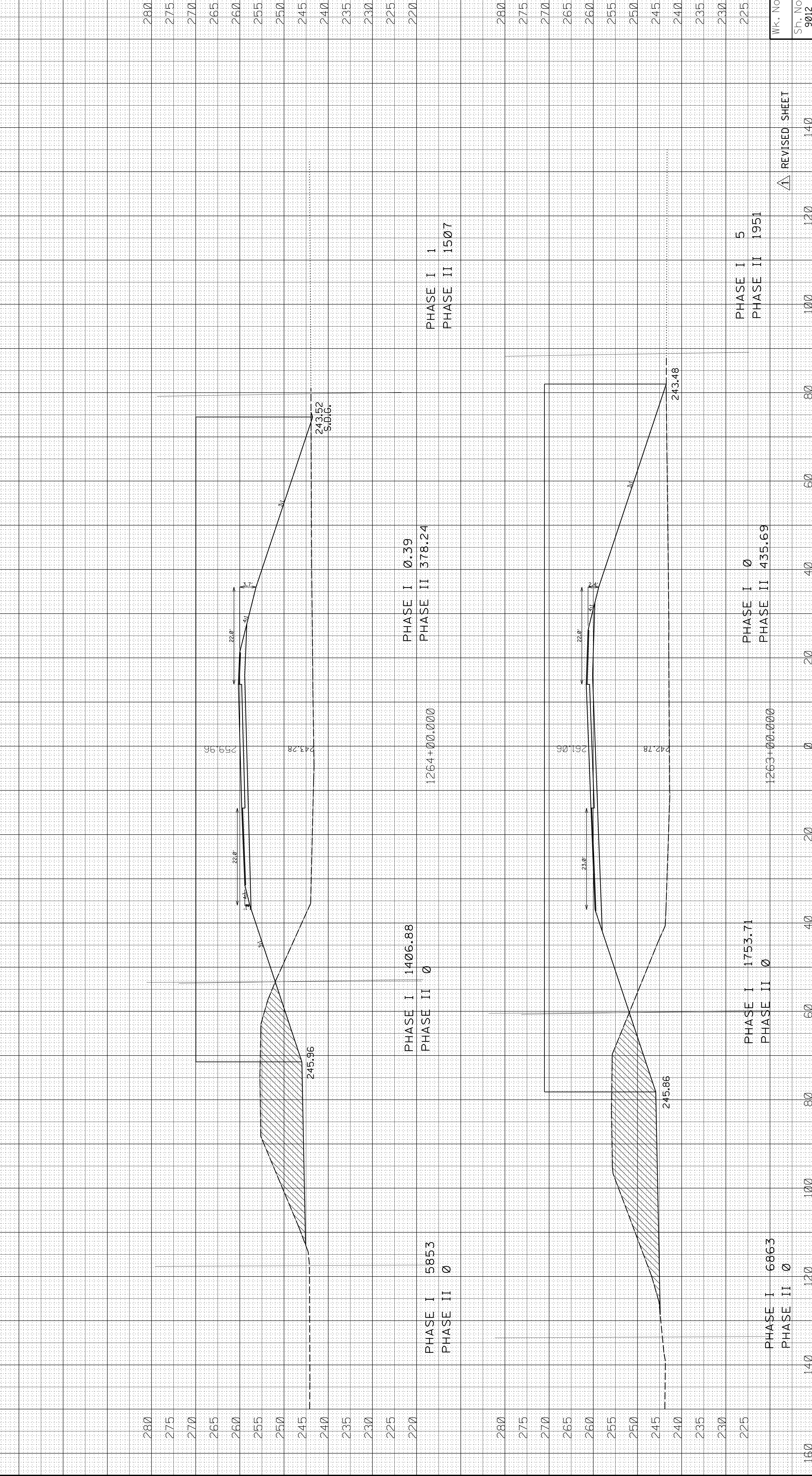




ADDENDUM

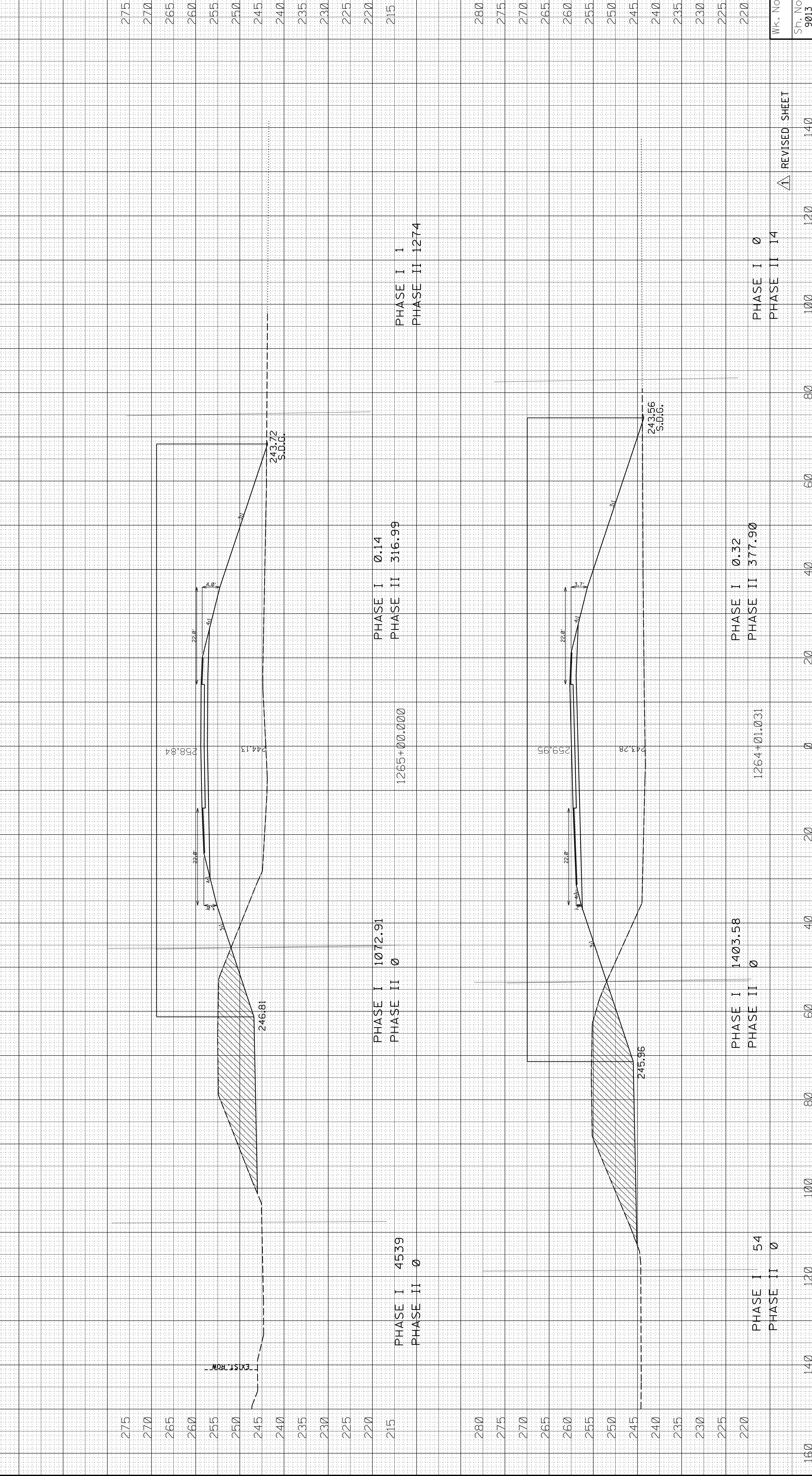


ADDENDUM



Station	Phase I	Phase II	Fill Vol.	Fill End Area	Cut Vol.	Cut End Area
280						
275						
270						
265						
260						
255						
250						
245						
240						
235						
230						
225						
220	PHASE I 5853	PHASE II 0				
280						
275						
270						
265						
260						
255						
250						
245						
240						
235						
230						
225						
220	PHASE I 1753.71	PHASE II 0				
280						
275						
270						
265						
260						
255						
250						
245						
240						
235						
230						
225	PHASE I 6863	PHASE II 0				

ADDENDUM



STATION	FILL VOL.	FILL END AREA	CUT VOL.	CUT END AREA
275				
270				
265				
260				
255				
250				
245				
240				
235				
230				
225				
220				

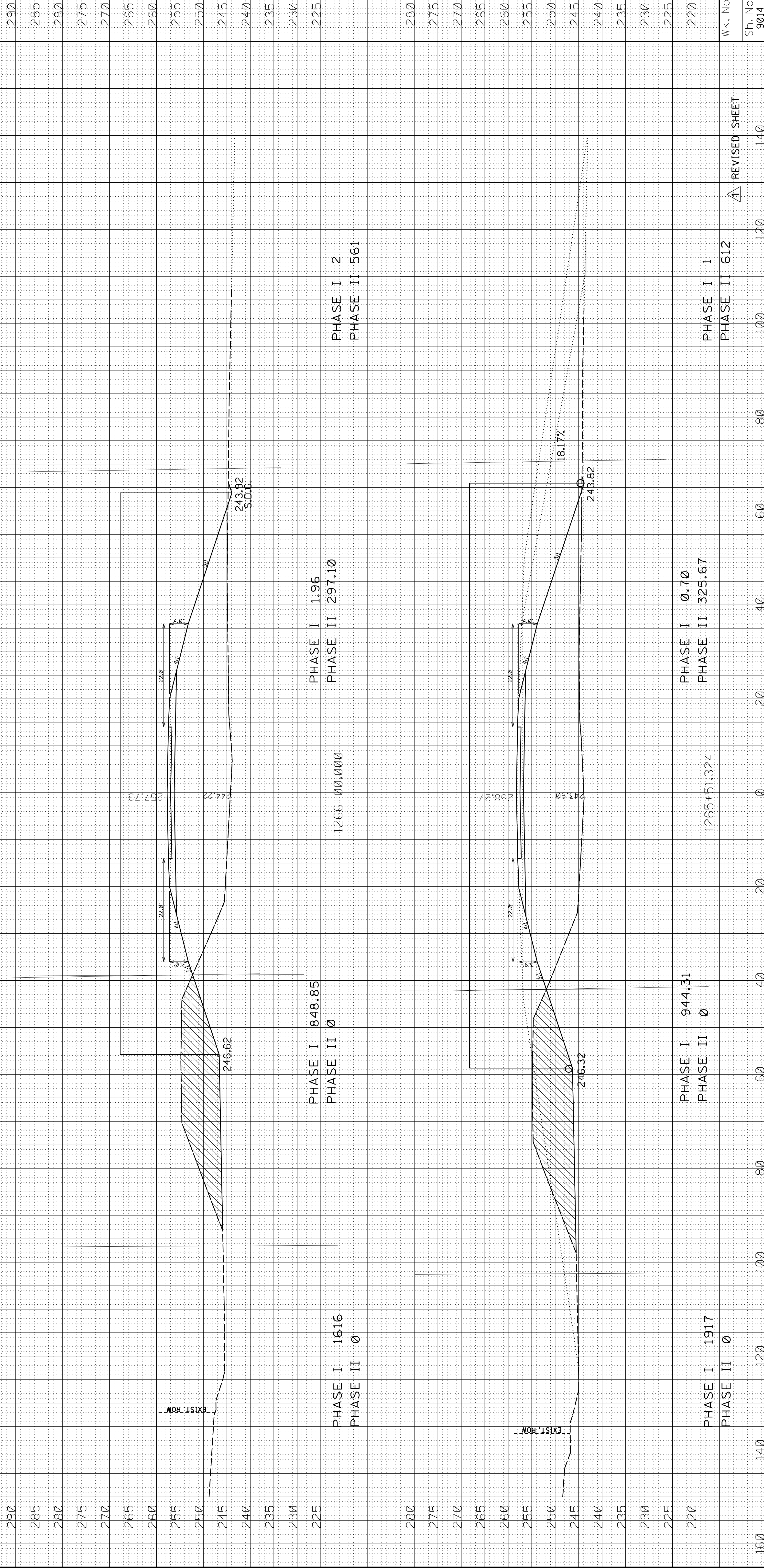
STATION	PHASE I	PHASE II
215	4539	0
280		
275		
270		
265		
260		
255		
250		
245		
240		
235		
230		
225		
220		

STATION	PHASE I	PHASE II
1265+00.000	0.14	316.99
280		
275		
270		
265		
260		
255		
250		
245		
240		
235		
230		
225		
220		

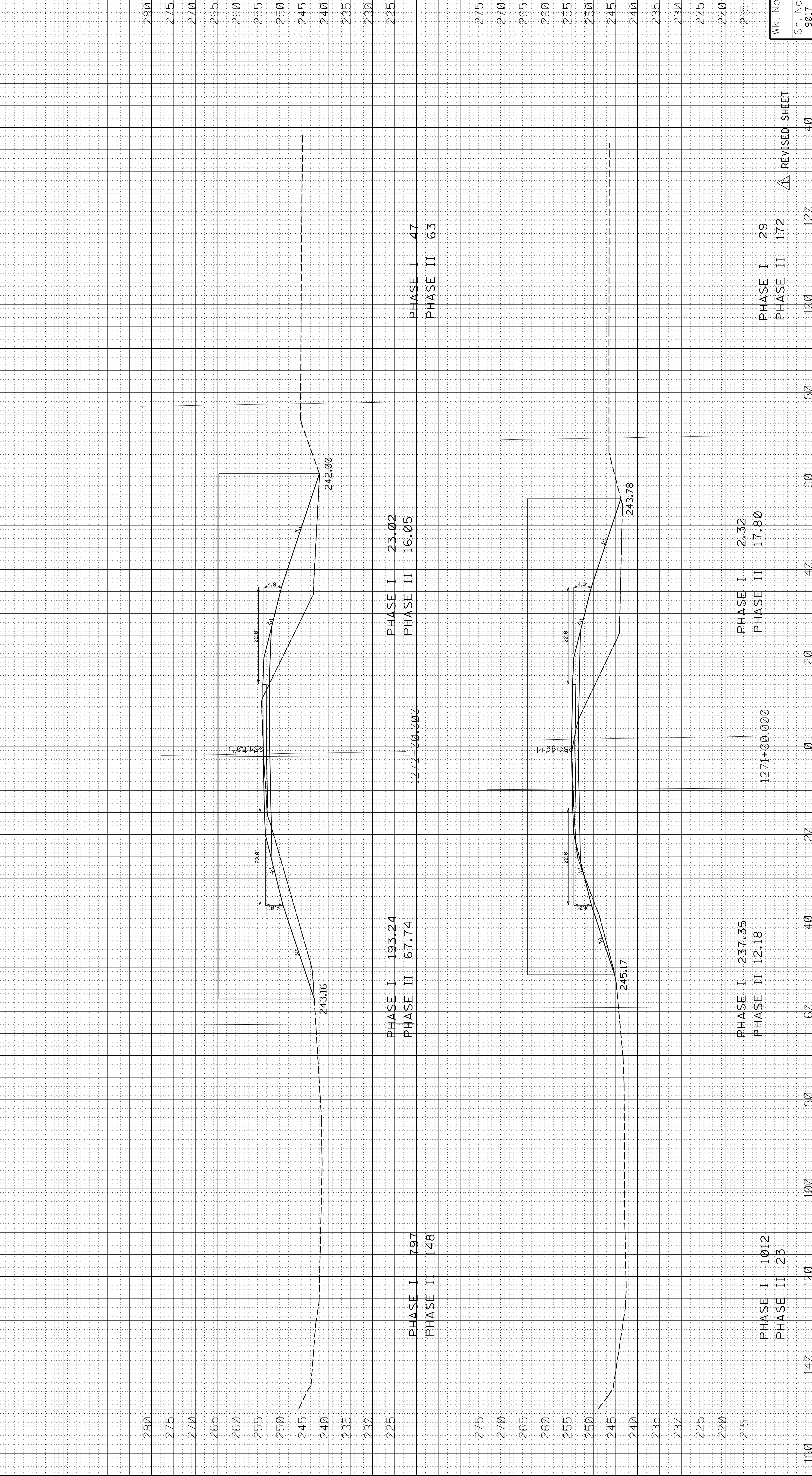
STATION	PHASE I	PHASE II
1403.58	0.32	377.90
280		
275		
270		
265		
260		
255		
250		
245		
240		
235		
230		
225		
220		

STATION	PHASE I	PHASE II
1264+01.031	0.14	114
280		
275		
270		
265		
260		
255		
250		
245		
240		
235		
230		
225		
220		

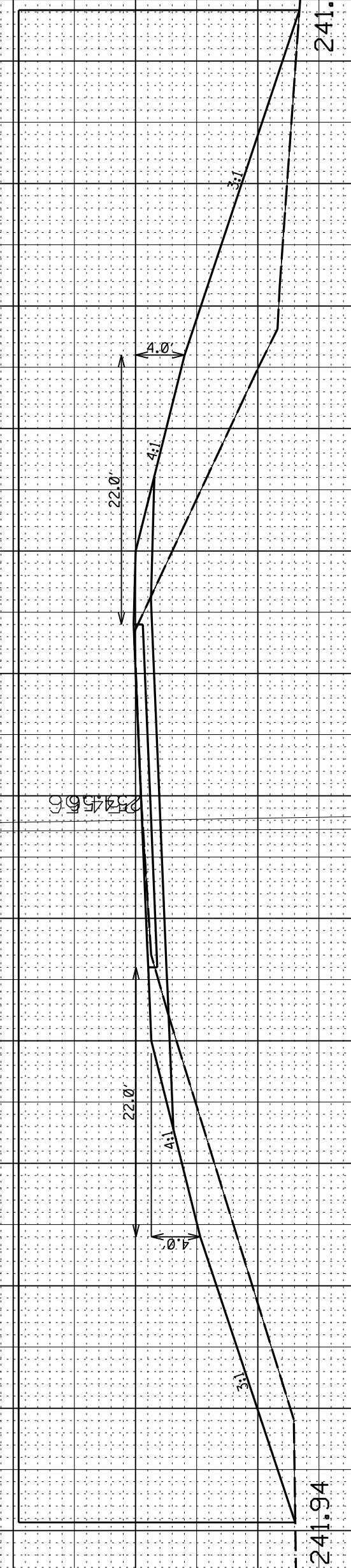
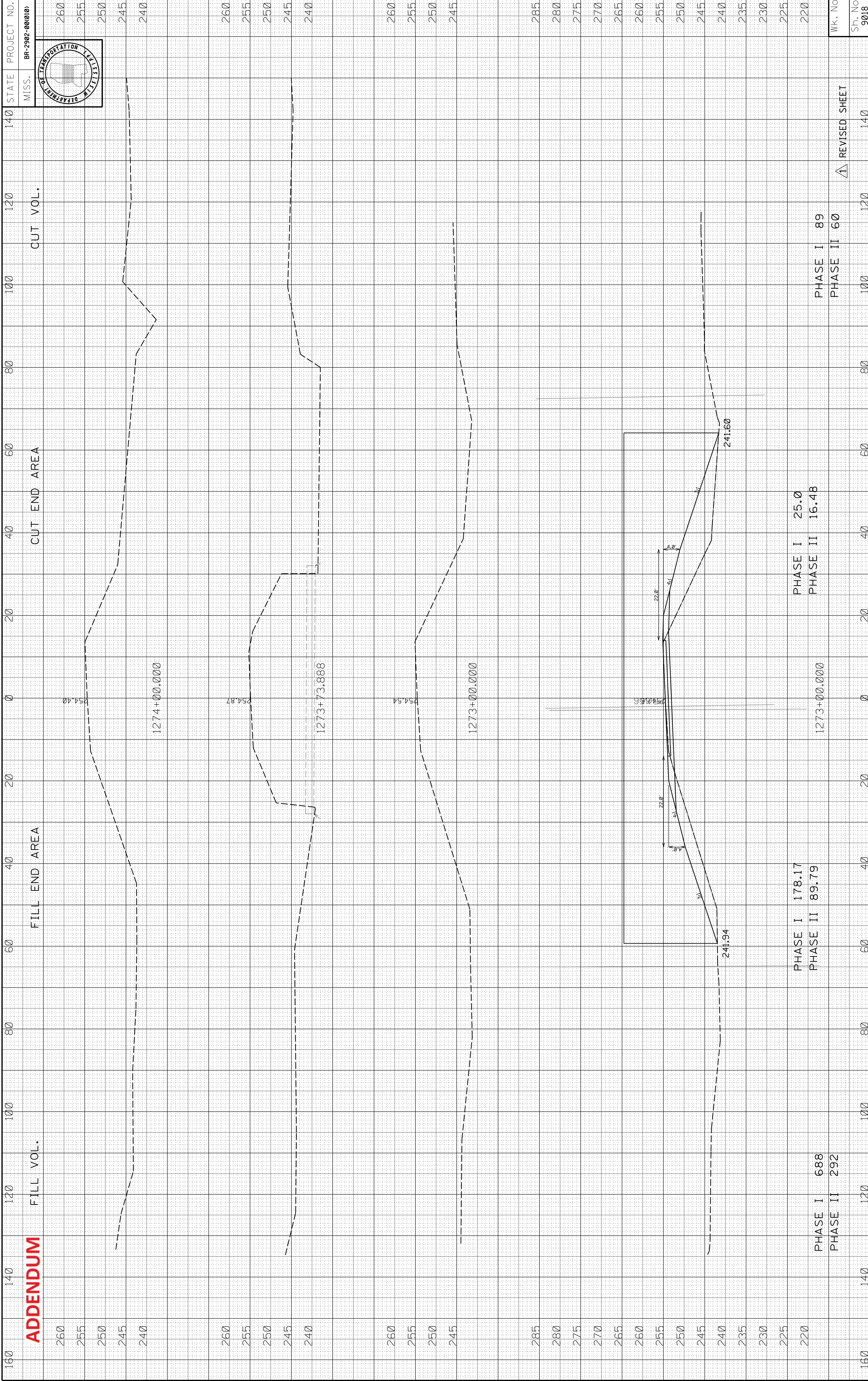
ADDENDUM



ADDENDUM



STATION	FILL VOL.	FILL END AREA	CUT VOL.	CUT END AREA	PHASE I	PHASE II	WK. No.
280							
275							
270							
265							
260							
255							
250							
245							
240							
235							
230							
225	PHASE I 797 PHASE II 148	PHASE I 193.24 PHASE II 67.74	PHASE I 47 PHASE II 63	PHASE I 23.02 PHASE II 16.05			
275							
270							
265							
260							
255							
250							
245							
240							
235							
230							
225							
220							
215	PHASE I 1012 PHASE II 23	PHASE I 237.35 PHASE II 12.18	PHASE I 29 PHASE II 172	PHASE I 2.32 PHASE II 17.80			
160							



ADDENDUM

STATE PROJECT NO.	BR-2902-00(010)
260	260
255	255
250	250
245	245
240	240

FILL VOL.	FILL END AREA	CUT VOL.	CUT END AREA
260	260	260	260
255	255	255	255
250	250	250	250
245	245	245	245
240	240	240	240

PHASE I	PHASE II
178.17	89.79
25.0	16.48

WK. No.	REVISED SHEET
688	60
292	60

ST. No.	9018
220	220
235	235
230	230
225	225

ADDENDUM

