

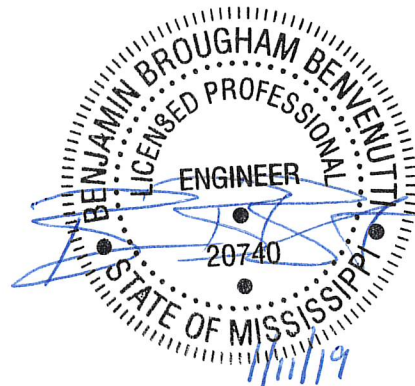
Date: January 11, 2019
Project: Beach Storm Water Outfalls Phase I
Owner: Mississippi Department of Marine Resources
To: Prospective Bidders
RE: Addendum No. 1

This Addendum Number 1 ("Addendum") shall be part of the Contract Documents for the above referenced project and modifies the Contract Documents dated December 11, 2018, with amendments and additions set forth below.

Pursuant to Section 2.17, "Acknowledgement of Addendum," of the Invitation for Bids, bidders shall acknowledge receipt of this Addendum by signing and returning the addendum with the bid and by identifying the addendum number and date in the space provided for this purpose on the Bid Form (Attachment D). **Failure to do so may subject the bidder to disqualification.**

Sealed Bids to be received by 2:00 p.m. CST on Thursday, January 17, 2019

Signature



INVITATION FOR BIDS

1. **ATTACHMENT D – Bid Form**

Delete ATTACHMENT D – Bid Form in its entirety and replace with the attached ATTACHMENT D – Bid Form (Revised Addendum #1).

SECTION 02300 – EARTHWORK

1. **Section 3.03 PIPE EMBEDMENT AND BACKFILL**

REPLACE paragraph 3.03.B in Section 3.03 PIPE EMBEDMENT AND BACKFILL with the following:

“B. The native material at the bottom of the trench shall be free of loose and soft material and be compacted to a minimum of 95% Standard Proctor or as directed by Engineer. Contractor shall then place a 6” bed of AASHTO #67 stone compacted to a minimum of 95% Standard Proctor or as directed by Engineer to serve as pipe bedding for all pipe installations.”

2. **Section 3.04 STRUCTURE EMBEDMENT AND BACKFILL**

REPLACE paragraph 3.03.C in Section 3.04 STRUCTURE EMBEDMENT AND BACKFILL with the following:

“C. The native material at the bottom of the trench shall be free of loose and soft material and be compacted to a minimum of 95% Standard Proctor or as directed by Engineer. Contractor shall then place AASHTO #67 stone, compacted to a minimum of 95% Standard Proctor or as directed by Engineer, to lines and grades depicted on the plans.”

SECTION 02700 – CRUSHED STONE BASE

1. **Section 3.03 CRUSHED STONE PLACEMENT OVER GEOGRID**

REPLACE paragraph 3.03.B in Section 3.03 CRUSHED STONE PLACEMENT OVER GEOGRID with the following:

“B. Stone shall be placed on subgrade from the sides and no equipment shall be allowed directly on the geogrid or the stone. The stone shall be installed to the lines, grades and thicknesses indicated on the drawings. Stone base shall be compacted to 95% Standard Proctor or as directed by Engineer.”

DRAWINGS

1. SHEET G1.0

DELETE SHEET G1.0 – GENERAL NOTES & INDEX in its entirety and replace with the attached SHEET G1.0 – GENERAL NOTES & INDEX.

2. SHEET C1.1

DELETE SHEET C1.1 – EXISTING CONDITIONS AND DEMOLITION PLAN – LEE ST in its entirety and replace with the attached SHEET C1.1 – EXISTING CONDITIONS AND DEMOLITION PLAN – LEE ST

3. SHEET C2.0

DELETE SHEET C2.0 – SITE PLAN – HOLLEY ST in its entirety and replace with the attached SHEET C2.0 – SITE PLAN – HOLLEY ST.

4. SHEET C2.1A

DELETE SHEET C2.1A – PROFILE VIEW – HOLLEY ST EAST in its entirety and replace with the attached SHEET C2.1A – PROFILE VIEW – HOLLEY ST EAST.

5. SHEET C2.1B

DELETE SHEET C2.1B – PROFILE VIEW – HOLLEY ST WEST in its entirety and replace with the attached SHEET C2.1B – PROFILE VIEW – HOLLEY ST WEST.

6. SHEET C2.2

DELETE SHEET C2.2 – SITE PLAN – LEE ST in its entirety and replace with the attached SHEET C2.2 – SITE PLAN – LEE ST.

7. SHEET C2.3

DELETE SHEET C2.3 – PROFILE VIEW – LEE ST in its entirety and replace with the attached SHEET C2.3 – PROFILE VIEW – LEE ST.

8. SHEET C2.4

DELETE SHEET C2.4 – SITE PLAN – I-110 in its entirety and replace with the attached SHEET C2.4 – SITE PLAN – I-110.

9. SHEET C2.5

**Mississippi Department of Marine Resources
Beach Storm Water Outfalls Phase I Project
Addendum No. 1**

DELETE SHEET C2.5 – PROFILE VIEW – I-110 in its entirety and replace with the attached SHEET C2.5 – PROFILE VIEW – I-110.

10. SHEET C2.6

DELETE SHEET C2.6 – SITE PLAN – OAK ST in its entirety and replace with the attached SHEET C2.6 – SITE PLAN – OAK ST.

11. SHEET C2.7

DELETE SHEET C2.7 – PROFILE VIEW – OAK ST in its entirety and replace with the attached SHEET C2.7 – PROFILE VIEW – OAK ST.

12. SHEET C3.0

DELETE SHEET C3.0 – CIVIL DETAILS in its entirety and replace with the attached SHEET C3.0 – CIVIL DETAILS.

13. SHEET C3.1

DELETE SHEET C3.1 – CIVIL DETAILS in its entirety and replace with the attached SHEET C3.1 – CIVIL DETAILS.

14. SHEET C3.2

DELETE SHEET C3.2 – CIVIL DETAILS in its entirety and replace with the attached SHEET C3.2 – CIVIL DETAILS.

15. SHEET C3.3

DELETE SHEET C3.3 – CIVIL DETAILS in its entirety.

16. SHEET S2.0

ADD the following note to the CULVERT CROSS SECTION DETAIL on SHEET S2.0 – CONSTRUCTION DETAILS:

NOTE: ALL DIMENSIONS AND QUANTITIES (INCLUDING BUT NOT LIMITED TO REBAR, TOP SLAB, BASE SLAB, GEOGRID, FILTER CLOTH, LIMESTONE, JOINTS AND SPACING) SHALL BE ADJUSTED AND SIZED BASED ON THE FOLLOWING BOX CULVERT DIMENSIONS:

I-110 = 8' X 4'

LEE ST. = 9' X 4'

HOLLEY ST. = 9' X 4'

ATTACHMENT D

Bid Form (Revised Addendum #1)

1.0 BID RECIPIENT

This Bid is submitted by _____ (hereinafter called “Bidder”) doing business as a _____ (insert “a corporation,” “an individual” as applicable; if a corporation, indicate state of incorporation; or a “joint venture”) to:

Mississippi Department of Marine Resources

Attention: Rick Kinnard

1141 Bayview Avenue

Biloxi, Mississippi 39530

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with Mississippi Department of Marine Resources (hereinafter called “MDMR”) in the form included in the Invitation for Bids to perform all Work as specified or indicated in the Contract Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.

2.0 BIDDER’S ACKNOWLEDGEMENTS

Bidder accepts all of the terms and conditions of the Invitation for Bids, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for ninety (90) days after the Bid opening or for such longer period of time that Bidder may agree to in writing upon request of MDMR-

3.0 BIDDER’S REPRESENTATIONS

In submitting this Bid, Bidder represents that:

- A.** Bidder has examined and carefully studied the Contract Documents, including the Invitation for Bids, and the following addenda, receipt of which is hereby acknowledged:

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____

- B.** Bidder has reviewed the requirements to bid this Project and become familiar with and is satisfied as to the general, local, and site conditions that may affect cost, progress, and performance of the Work.
- C.** Bidder is familiar with and is satisfied as to all laws and regulations that may affect cost, progress, and performance of the Work.
- D.** Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the work site; information and observations obtained from visits to the work site; the Invitation for Bids; and the site-related reports and drawings identified in the Invitation for Bids with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Contract Documents; and (3) the Bidder's safety precautions and programs.
- E.** Based on the information and observations referred to above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required and in accordance with the other terms and conditions of the Contract Documents.
- F.** Bidder is aware of the general nature of work to be performed at the site that relates to the Work as indicated in the Contract Documents.
- G.** Bidder has given MDMR written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Contract Documents, (including, but not limited to, the Drawings and Specifications), and the written resolution thereof by MDMR is acceptable to Bidder.
- H.** The Invitation for Bids is generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- I.** Add Alternates #1 & #2 may or may not be accepted by the MDMR and the pricing for these Alternates will be in addition to the Contractors Base Bid if selected.

4.0 BID FORM INSTRUCTIONS

All blank spaces for the bid prices must be filled in ink or typewritten, and this Bid Form must be fully completed and executed when submitted. Alterations and erasures of the entries made by bidder shall be initialed by the individual who signed this Bid Form. Bids shall state the legal name of bidder and be signed by the person or persons legally authorized to bind bidder to a contract. Bids submitted by a corporation shall indicate state of incorporation and bear a corporate seal. Bids submitted by an agent of a bidder shall have a current power of attorney

attached that certifies the agent’s authority to bind the bidder.

Measurement and payment procedures corresponding to the Bid Form can be found in **Section 00 52 15** Agreement, **Section 01 20 00** Measurement and Payment Procedures, and **Section 01 29 00** Payment Procedures of the Contract Documents.

Beach Storm Water Outfalls – Phase 1

Mississippi Department of Marine Resources

1141 Bayview Avenue - Biloxi, Mississippi 39530

<u>BID SCHEDULE - BASE BID</u>		
	TOTAL - BASE BID (\$)	

<u>ADD ALTERNATE #1</u>		
	Overflow Box (OS3), Piping (8 ft of 36" RCP and 464' of 51" x 31" RCAP) and Bedding @ Bellman Ave. shown on the Drawings	
	TOTAL - ADD ALTERNATE #1 (\$)	

<u>ADD ALTERNATE #2</u>		
	Overflow Box (OS5), Piping (8' of 36" RCP and 370' of 51" x 31") and Bedding @ Keller Ave. as shown on the Drawings	
	TOTAL - ADD ALTERNATE #2 (\$)	

<u>BREAKOUT NUMBERS & SUBCONTRACTORS INCLUDED IN BASE BID</u>		
	TOTAL - DEWATERING (\$)	
	Name of Dewatering Subcontractor	
	TOTAL - PRECAST (\$)	
	Name of Precast Manufacturer	

BEACH STORM WATER OUTFALLS – PHASE I

BIDDER TO PROVIDE UNIT PRICES FOR THE FOLLOWING ADDITIONAL ITEMS THAT ARE TO BE USED IN THE FIELD IF NECESSARY, ONLY WITH PRIOR WRITTEN APPROVAL FROM THE OWNER AND/OR ENGINEER. PRICES SHALL INCLUDE ALL SHIPPING, HANDLING AND COMPLETE INSTALLATION IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS:

Item No.	Unit	Description	Unit Price/Unit
1	Tons	#67 AASHTO Stone	
2	Tons	3x6 Gabion Stone	
3	Tons	MDOT 100 lb. Rip Rap	
4	CY	Select Sand Fill	
5	CY	Undercut Excavation & Waste on Beach	
6	CY	Undercut Excavation and Haul off Site	
7	LF	24" Diameter RCP (ASTM C-76, Class 3)	
8	LF	30" Diameter RCP (ASTM C-76, Class 3)	
9	LF	36" Diameter RCP (ASTM C-76, Class 3)	
10	LF	42" Diameter RCP (ASTM C-76, Class 3)	
11	LF	51"x31" RCAP (ASTM C-506)	
12	LF	58"x36" RCAP (ASTM C-506)	
13	LF	Box Culvert - ASTM C 1433 (6'X3')	
14	LF	Box Culvert - ASTM C 1433 (6'X4')	
15	LF	Box Culvert - ASTM C 1433 (7'X3')	
16	LF	Box Culvert - ASTM C 1433 (7'X4')	
17	LF	Box Culvert - ASTM C 1433 (8'X3')	
18	LF	Box Culvert - ASTM C 1433 (8'X4')	
19	LF	Box Culvert - ASTM C 1433 (9'X4')	

***SIGNATURE STATEMENT**

BIDDER ACKNOWLEDGES THAT HE/SHE HAS CHECKED ALL ITEMS IN THIS PROPOSAL FOR ACCURACY AND CERTIFY THAT THE FIGURES THEREIN CONSTITUTE THEIR OFFICIAL BID.

BIDDER'S
SIGNATURE:
(Printed
Name/Title)

Total Aggregate Numerical Amount of Bid for **BEACH STORMWATER OUTFALLS – PHASE 1**

Construction \$ _____

Written Total Amount of Bid

Note: Bids shall include sales tax and all other applicable taxes and fees. All blanks shall be filled in. Total amount of Bid shall be the sum of the Items. Contract Award will be made according to the Invitation for Bids. In case of discrepancy between the sum of the items and Total Amount of Bid, the sum of the items shall be considered to be the Total Amount of Bid. Award will be made to only one Bidder based upon the Base Bid as applicable from this Bid Form and determination of the lowest and best, responsive, responsible bidder according to the Invitation for Bids.

1. The Bidder agrees that the Work shall be completed within 180 calendar days as stipulated in the Agreement.
2. The following documents are attached to and made a condition of this Bid:
 - a. Bid Security (surety bond, cashier's check, or certified check);
 - b. Power of Attorney (For Surety Bond only);
 - c. Authority to Execute Contract (any corporate employee other than the president or vice-president); and
 - d. A list of all subcontractors, surveyors and suppliers associated with this Bid.

The undersigned, having read and understood the Contract Documents and examined the Project site and adjoining areas and being familiar with the obstacles and conditions that will affect proposed Work, hereby offers and agrees to furnish all labor, equipment and materials and to perform all the Work required for the MS Sand Beach Water Outfalls Project in accordance with the Contract Documents and at the prices stated in the preceding Schedule of Prices above.

This Bid is submitted by:

If Bidder is:

An Individual

Name: _____

(Typed or Printed)

By: _____
(Individual's Signature)

Doing business as: _____

State Contractor License No. _____

A Partnership

Partnership

Name: _____
(Typed or Printed)

By: _____
(Signature of General Partner – attach evidence of authority to sign)

Name: _____
(Typed or Printed)

State Contractor License No. _____

A Corporation

Corporation Name: _____

(Seal)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____
(Signature, attach evidence of authority to sign)

Name: _____
(Typed or Printed)

Title: _____
(Corporate Seal)

Attest: _____

Date of Qualification to do business in Mississippi is ____/____/____.

State Contractor License No. _____

A Joint Venture

Name of Joint Venture: _____

First Joint Venture Name: _____

(Seal)

By: _____

(Signature of first Joint Venture Partner, attach evidence of authority to sign)

Name: _____

(Typed or Printed)

Title: _____

Bidder's Business Address: _____

Phone No. _____

Email: _____

Submitted on _____, 20____

State Contractor License No. _____

GENERAL NOTES:

1. TOPOGRAPHIC INFORMATION SHOWN WAS PROVIDED BY TICE ENGINEERING.
2. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK. THE CONTRACTOR IS DIRECTED PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS DEEMED NECESSARY TO ARRIVE AT HIS/HER OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH HIS/HER BID WILL BE BASED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP ALL THE MATERIAL OFF THE STREET AND RIGHT OF WAY DAILY AS A RESULT OF ITS CONSTRUCTION ACTIVITIES DURING THE CONTRACT.
4. CONTRACTOR SHALL NOT ACCESS OR PLACE ANY MATERIAL ON PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER.
5. IT IS THE CONTRACTOR’S RESPONSIBILITY TO DETERMINE AND SECURE A LAY DOWN YARD FOR MATERIAL AND EQUIPMENT, AS WELL AS CONTRACTOR FACILITIES, IF NECESSARY. FINAL LOCATION TO BE COORDINATED WITH OWNER.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS (DRAWINGS, SPECIFICATIONS, ADDENDA, AND CHANGE ORDERS). THE CONTRACTOR SHALL HAVE THE LATEST UPDATED VERSION OF THE PREVIOUSLY NAMED DOCUMENTS AT THE WORK SITE AT ALL TIMES.
7. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR THE CONSTRUCTION METHODS OR TECHNIQUES, NOR FOR THE EXECUTION OF THE WORK AS SHOWN ON THESE DRAWINGS. THE OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR OTHER PERSON PERFORMING ANY OF THE WORK, OR FOR THE FAILURES OF ANY OF THE CONTRACTORS OR SUBCONTRACTORS TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
8. ANY PROPOSED DEVIATION FOR THE CONTRACT DOCUMENTS BY THE CONTRACTOR, INCLUDING DRAWINGS AND/OR SPECIFICATIONS, MUST BE ACCEPTED BY THE ENGINEER, IN WRITING, PRIOR TO THE WORK BEING DONE. ANY DEVIATIONS PERFORMED WITHOUT THE ENGINEER’S WRITTEN ACCEPTANCE WILL NOT BE PAID FOR AND MAY HAVE TO BE REDONE OR REMOVED AT THE CONTRACTOR’S EXPENSE. IF APPROVED, CONTRACTOR WILL ACCEPT ALL DOWNSTREAM IMPACTS, EITHER FORESEEN OR UNFORESEEN.
9. SOILS EXPLORATION WORK FOR THIS PROJECT WAS PERFORMED BY QES. SOIL EXPLORATION WORK IS SOLELY TO ASSIST BIDDERS IN ASSESSING THE NATURE AND EXTENT OF TESTING PROCEDURES REQUIRED TO MAKE THEIR OWN DETERMINATION OF ACTUAL CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL REQUIRED TRAFFIC CONTROL DEVICES NEEDED TO PROPERLY EXECUTE THE MDOT TRAFFIC CONTROL PLAN ON C4.0 & C4.1 WITH NO ADDITIONAL COMPENSATION.
11. IT IS THE CONTRACTOR’S RESPONSIBILITY TO COMPLY WITH REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) FOR CONSTRUCTION PROJECTS OF THIS TYPE. ANY SAFETY MEASURE OR METHODS OF CONSTRUCTION THAT ARE NECESSARY IN THE CONSTRUCTION OF THIS PROJECT TO COMPLY WITH THOSE REGULATION ARE THE CONTRACTOR’S RESPONSIBILITY.
12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
13. THE ELEVATION OF EXISTING TOPOGRAPHY SHOWN MAY VARY. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO INITIATING CONSTRUCTION.
14. CONTRACTOR SHALL CONTACT THE PROPER UTILITY PRIOR TO PROCEEDING WITH WORK WHICH INVOLVES OR AFFECTS EXISTING FEATURES OR AFFECTS EXISTING UTILITIES.
15. CONTRACTOR SHALL ESTABLISH AND MAINTAIN PROPERTY LINES, CORNERS, EASEMENTS AND EROSION/SEDIMENTATION CONTROL THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND INSTALLING ANY EXISTING SURVEY MONUMENTS REMOVED OR DAMAGED DURING CONSTRUCTION.
16. THE CONTRACTOR IS RESPONSIBLE FOR ALL CITY OF BILOXI PERMITS WHICH ARE REQUIRED PRIOR TO CONSTRUCTION.
17. ALL UTILITIES SHALL BE PROTECTED FROM DAMAGE AS A RESULT OF THE WORK. THE CONTRACTOR SHALL RELOCATE, REPAIR OR REPLACE ANY DAMAGED UTILITIES TO THE SATISFACTION OF THE UTILITY OWNER AND CITY OF BILOXI.
18. DEMOLITION WORK WILL REQUIRE COORDINATION TO MAINTAIN OPERATIONS OF HWY 90 AND MINIMIZE DISTURBANCE TO THE GENERAL PUBLIC. IN GENERAL, EXISTING STRUCTURES AND FACILITIES WHICH ARE TO BE DEMOLISHED ARE SHOWN ON DEMOLITION SHEETS.
19. ALL KNOWN EXISTING BURIED PIPING, ELECTRICAL DUCT BANKS AND OTHER BURIED UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION AND ARE FOR INFORMATIONAL PURPOSES TO INDICATE THE EXISTENCE OF SUCH UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND EXPOSING BURIED PIPE, ELECTRICAL DUCT BACK AND OTHER ON SITE UTILITIES PRIOR TO COMMENCING WORK.
20. WHERE CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
21. UNLESS DETAILED, SPECIFIED OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS OR IN SPECIFIC DRAWINGS.
22. CONTRACTOR MUST CALL 811, MISSISSIPPI ONE CALL, PRIOR TO COMMENCING WORK.
23. CONTRACTOR SHALL TAKE PRECAUTION WHEN WORKING IN THE PRESENCE OF OVERHEAD UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE BRACING AND PROTECTION OF THE OVERHEAD POWER LINES AND UTILITY POLES. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH MS POWER AND ANY ASSOCIATED FEES REQUIRED TO MAINTAIN POWER SERVICES TO ADJACENT PROPERTY OWNERS.
24. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRECONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
25. ALL WORK DETAILED IN THE PLANS AND SPECIFICATIONS SHALL BE COMPLETED BY THE CONTRACTOR REGARDLESS IF A SPECIFIC PAY ITEM IS IDENTIFIED FOR EACH WORK ITEM OR NOT. IF A PAY ITEM IS NOT IDENTIFIED FOR THE WORK ITEM DETAILED IN THE CONTRACT DOCUMENTS, THE COST TO COMPLETE THAT WORK SHALL BE ABSORBED IN THE CONTRACTORS OVERALL COST.
26. CONTRACTOR SHALL UNCOVER EXISTING RCP PIPE AT EACH OVERFLOW AND JUNCTION BOX AND VERIFY PIPE ELEVATIONS PRIOR TO ORDERING OR INSTALLING ANY PIPE, BOX CULVERTS OR CONCRETE STRUCTURES.

INDEX OF SHEETS

- T1.0 COVER SHEET
- G1.0 GENERAL NOTES & INDEX
- C1.0 EXISTING CONDITIONS - HOLLEY ST
- C1.1 EXISTING CONDITIONS - LEE ST
- C1.2 EXISTING CONDITIONS - I-110
- C1.3 EXISTING CONDITIONS - OAK ST
- C2.0 SITE PLAN - HOLLEY ST
- C2.1A PROFILE VIEW - HOLLEY ST EAST
- C2.1B PROFILE VIEW - HOLLEY ST WEST
- C2.2 SITE PLAN - LEE ST
- C2.3 PROFILE VIEW - LEE ST
- C2.4 SITE PLAN - I-110
- C2.5 PROFILE VIEW - I-110
- C2.6 SITE PLAN - OAK ST
- C2.7 PROFILE VIEW - OAK ST
- C3.0 CIVIL DETAILS
- C3.1 CIVIL DETAILS
- C3.2 CIVIL DETAILS
- ~~C3.3 CIVIL DETAILS~~
- C3.4 CIVIL DETAILS
- C4.0 LANE CLOSURE DETAILS
- C4.1 LANE CLOSURE DETAILS
- S1.0 LEGEND, NOTES AND ABBREVIATIONS
- S2.0 CONSTRUCTION DETAILS
- S2.1 JOINT PLAN
- S2.2 MATCHLINE SECTION
- S2.3 MATCHLINE SECTION
- S2.4 MATCHLINE SECTION
- A-001 OUTFALLS PLAN & ELEVATION-LEE STREET
- A-002 OUTFALLS PLAN & ELEVATION-HOLLEY STREET
- A-003 OUTFALLS PLAN & ELEVATION-I-110
- A-211 PANEL ELEVATIONS
- A-212 PANEL ELEVATIONS
- A-213 PANEL ELEVATIONS
- A-214 PANEL ELEVATIONS
- A-301 SECTION DETAILS
- A-701 RAILING DETAILS



CIVIL AND ENVIRONMENTAL

2510 14TH STREET, SUITE 1010
GULFPORT, MISSISSIPPI 39501
Office: (228)396-0486



NO.	DATE	REVISION / ISSUE	
		ADDENDUM #1	
1	1/11/19		

STORMWATER OUTFALLS -
PHASE I

GENERAL
NOTES & INDEX

DATE
12-11-18

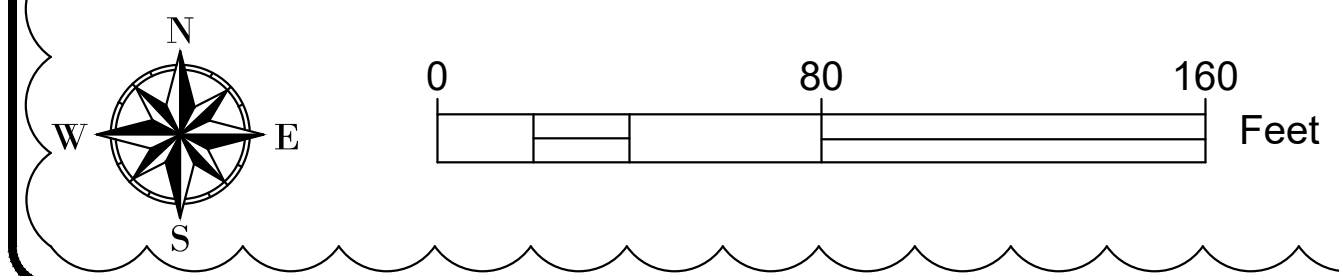
SCALE
N.T.S.

DRAWN BY
TMK

PROJECT NO.
-

SHEET NUMBER

G1.0



- DEMOLITION NOTES:**
1. ALL CONCRETE PIPE AND STRUCTURES TO BE REMOVED DURING DEMOLITION SHALL BE DELIVERED TO MDMR STORAGE YARD LOCATED ON REICHOLD RD IN GULFPORT, MS OR REMOVED AND DISPOSED OF AT CONTRACTORS EXPENSE AS DIRECTED BY ENGINEER. NO SEPARATE PAYMENT SHALL BE PROVIDED.
 2. CONTRACTOR SHALL REPAIR AT HIS OWN EXPENSE ANY DAMAGE TO ROADWAYS, PARKING LOTS, STRUCTURES AND OTHER IMPROVEMENTS NOT SHOWN TO BE REMOVED.
 3. TIMBER PILES SHALL BE REMOVED TO A MINIMUM ELEVATION OF -10.00.

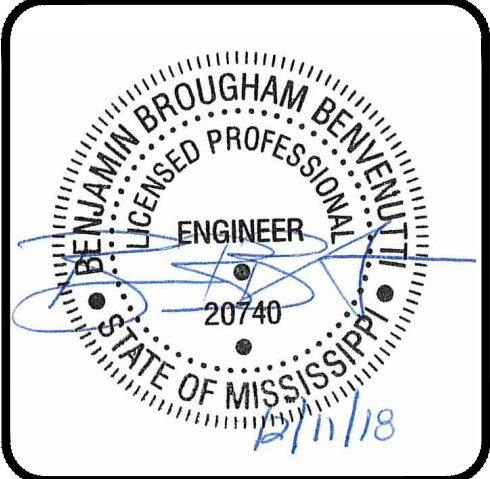
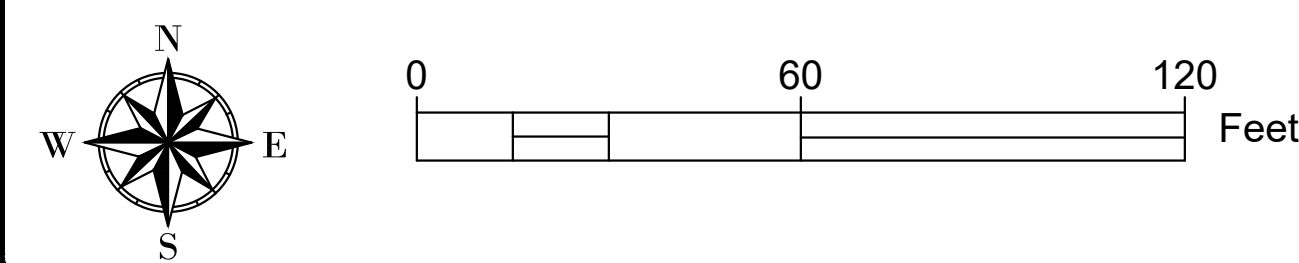


NO.	DATE	REVISION / ISSUE
1	1/11/19	ADDENDUM #1

**STORMWATER OUTFALLS -
PHASE I**

**EXISTING
CONDITIONS AND
DEMOLITION PLAN -
LEE ST**

DATE 12-11-18	SHEET NUMBER
SCALE 1"=40'	C1.1
DRAWN BY TMK	
CHECKED BY BBB	
PROJECT NO.	



NO.	DATE	REVISION / ISSUE	
		ADDENDUM #1	
1	1/11/19		

STORMWATER OUTFALLS -
PHASE I

SITE PLAN -
HOLLEY ST

DATE
12-11-18

SCALE
1"=30'

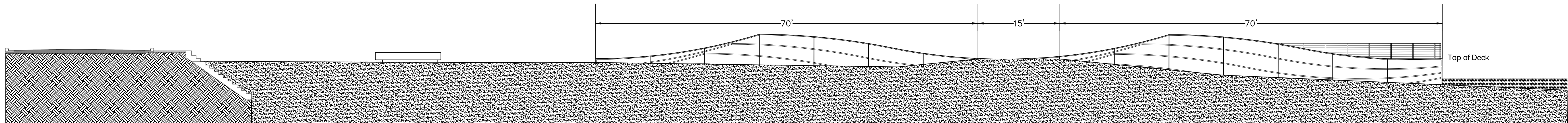
DRAWN BY
TMK

CHECKED BY
BBB

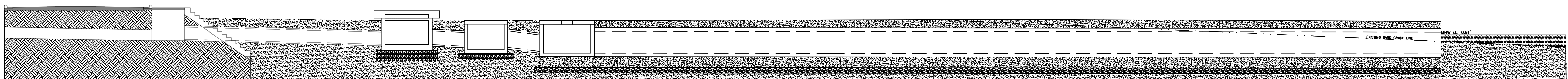
PROJECT NO.
-

SHEET NUMBER

C2.0

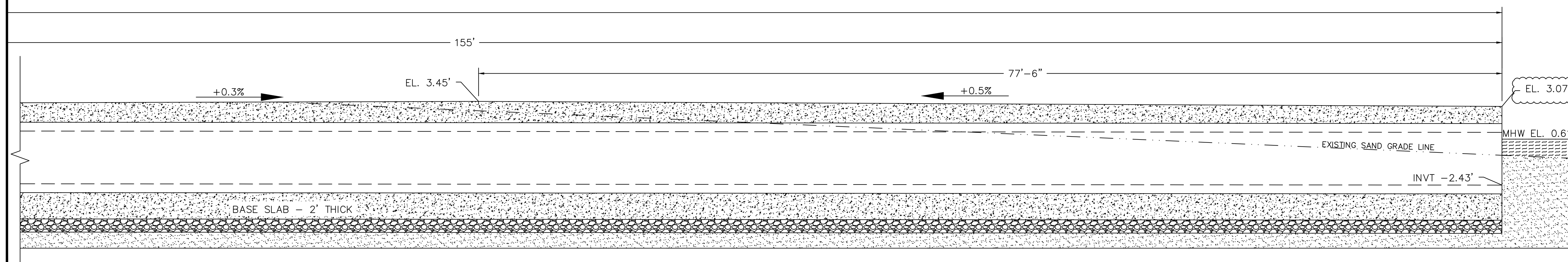
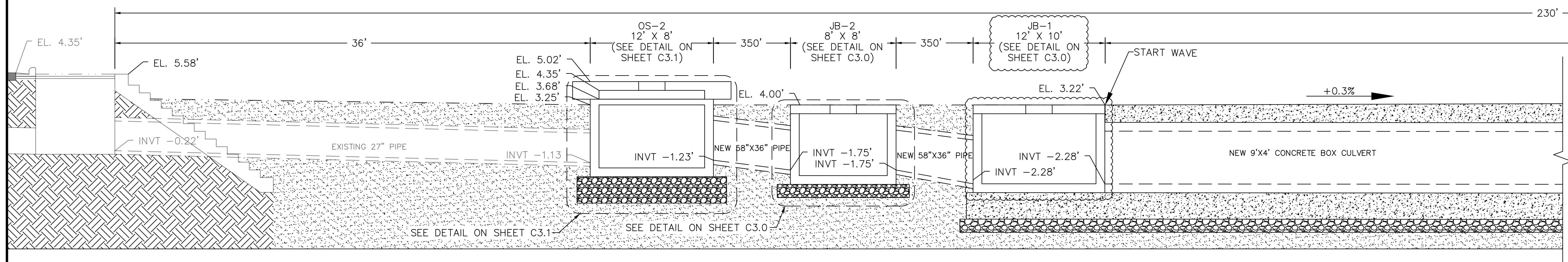


A PROFILE VIEW
N.T.S.



B PROFILE VIEW
N.T.S.

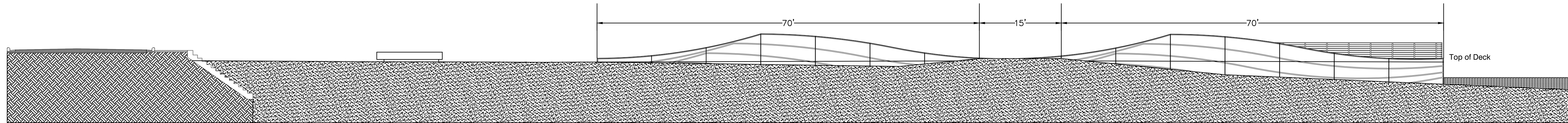
- NOTES:
- SAND ELEVATIONS MAY VARY. CONTRACTOR SHALL GRADE SAND AT A 1:50 SLOPE AWAY FROM JUNCTION BOX UNTIL NATURAL GRADE IS REACHED OR AS DIRECTED BY ENGINEER



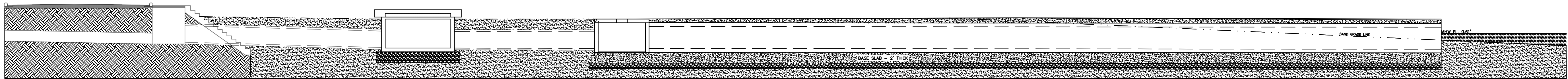
B PROFILE VIEW ENLARGED
N.T.S.

NO.	DATE	REVISION / ISSUE
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**STORMWATER OUTFALLS -
PHASE I**

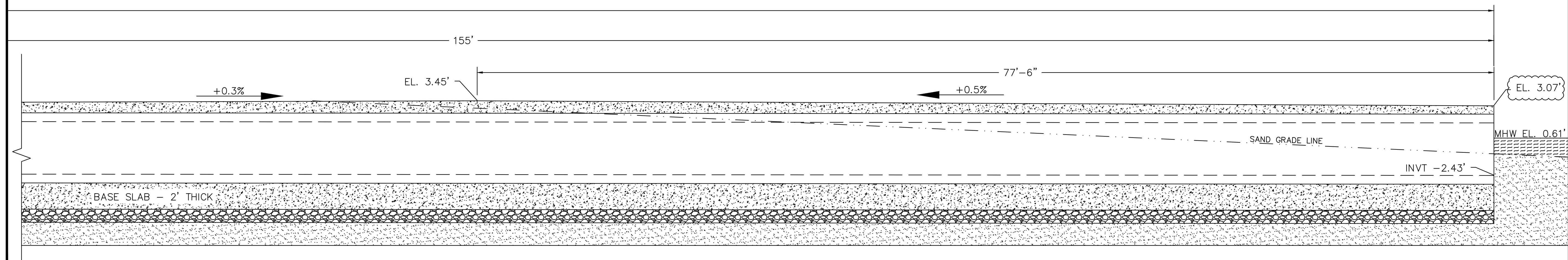
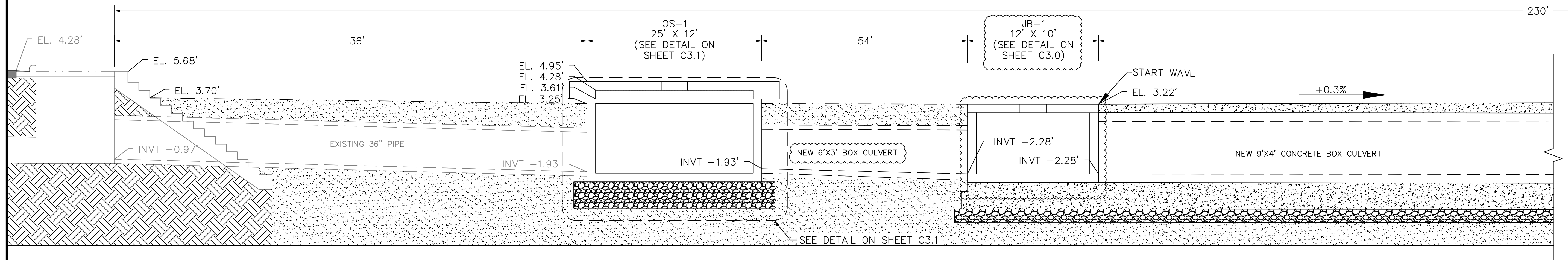


A PROFILE VIEW
N.T.S.



B PROFILE VIEW
N.T.S.

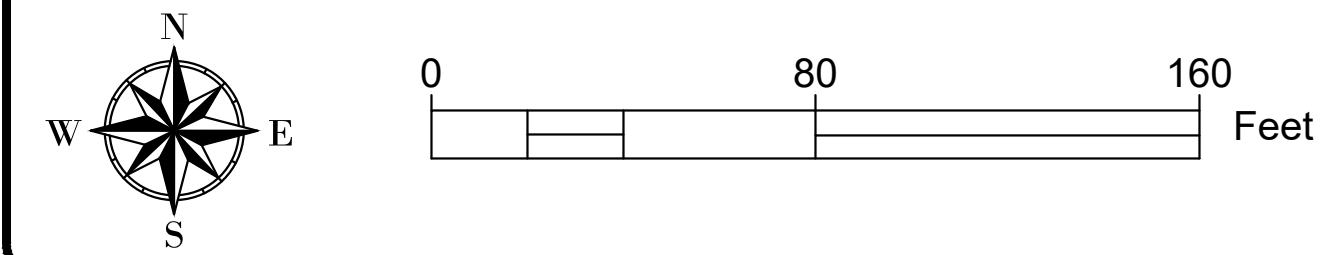
- NOTES:
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B PROFILE VIEW ENLARGED
N.T.S.

NO.	DATE	REVISION / ISSUE
1	1/11/19	ADDENDUM #1

**STORMWATER OUTFALLS -
PHASE I**

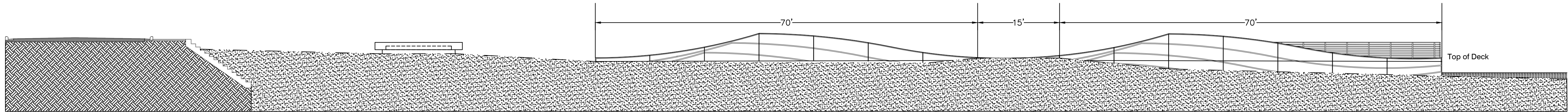


NO.	DATE	REVISION / ISSUE	
		REVISION	ISSUE
1	1/11/19	ADDENDUM #1	

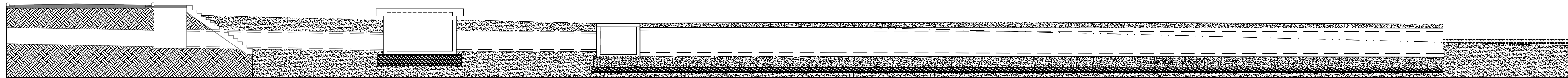
STORMWATER OUTFALLS -
PHASE I

SITE PLAN - LEE ST

DATE 12-11-18	SHEET NUMBER
SCALE 1"=40'	C2.2
DRAWN BY TMK	
CHECKED BY BBB	
PROJECT NO.	



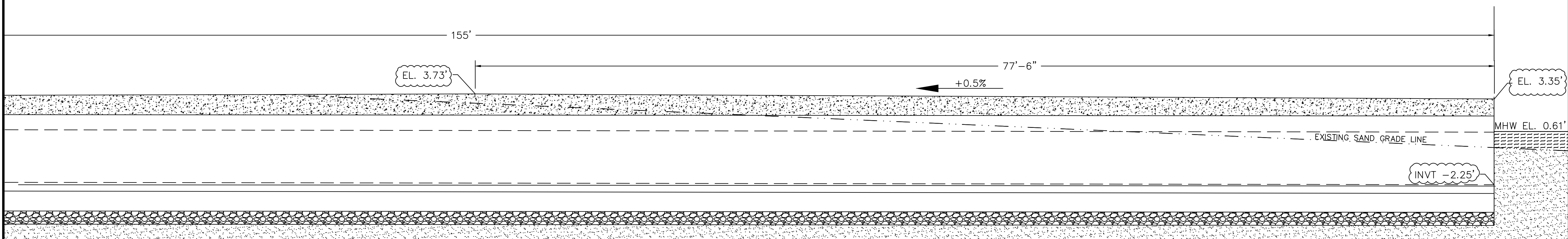
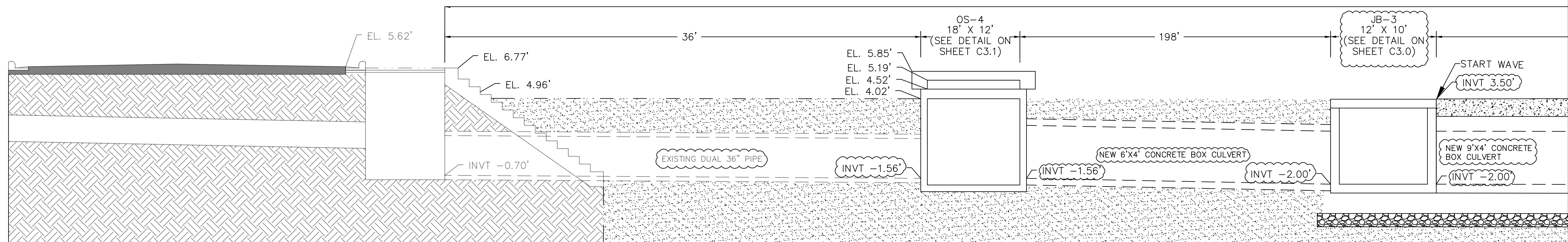
A PROFILE VIEW
N.T.S.



B PROFILE VIEW
N.T.S.

NOTES:

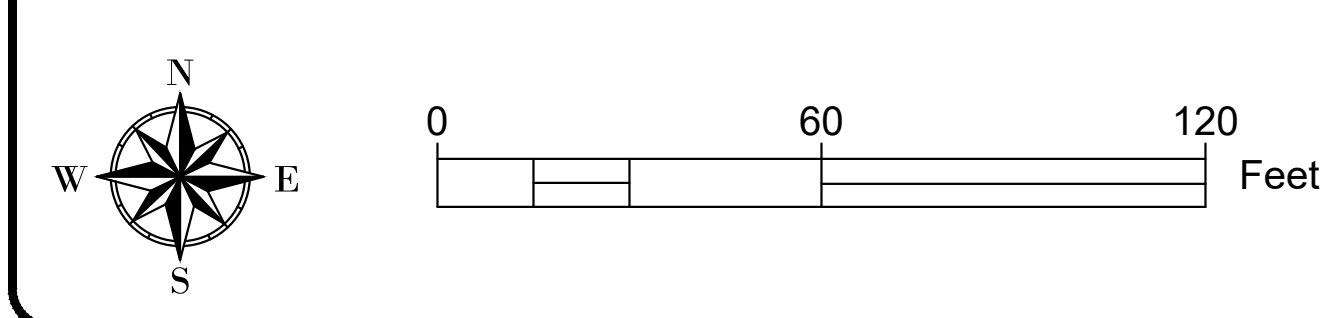
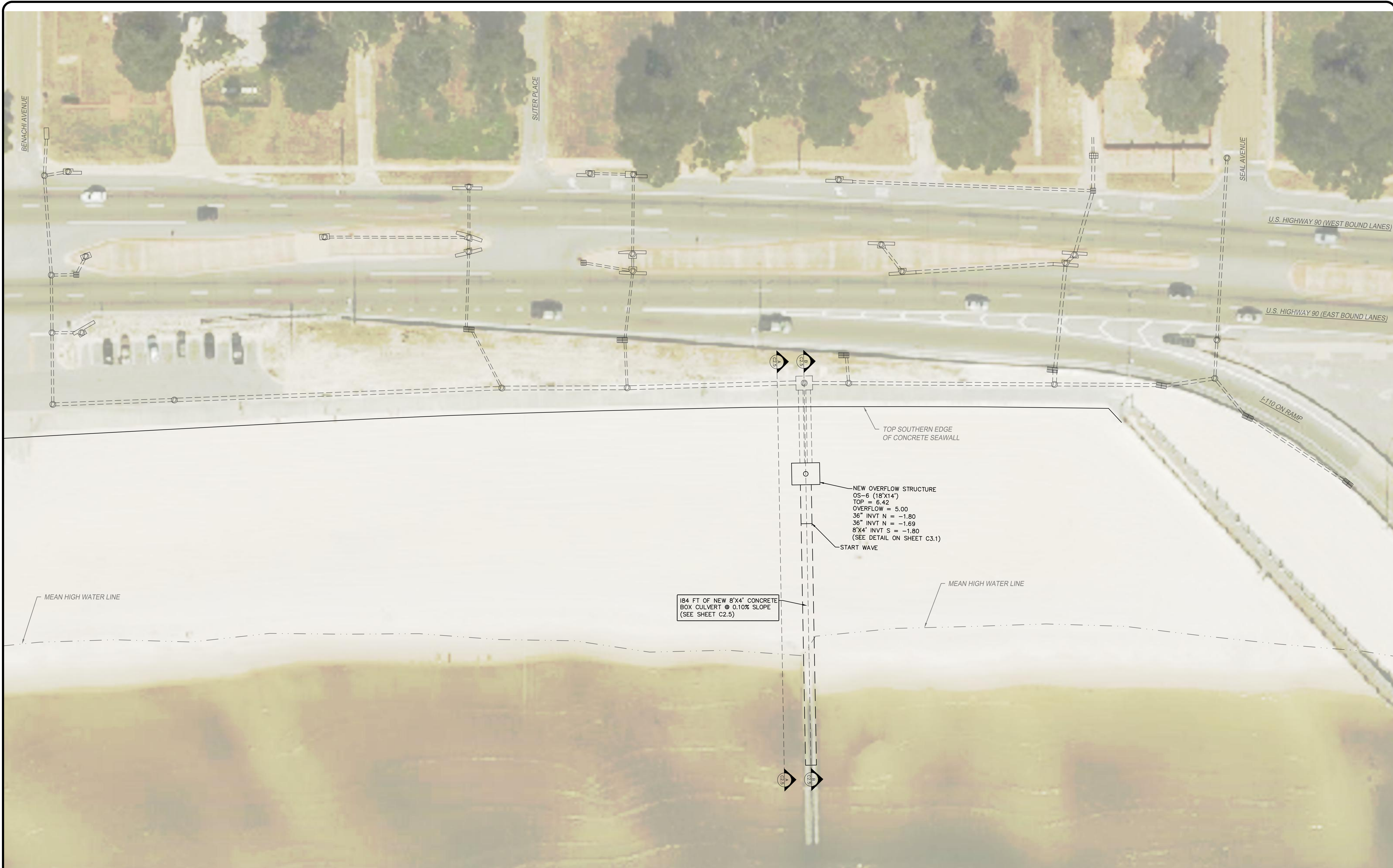
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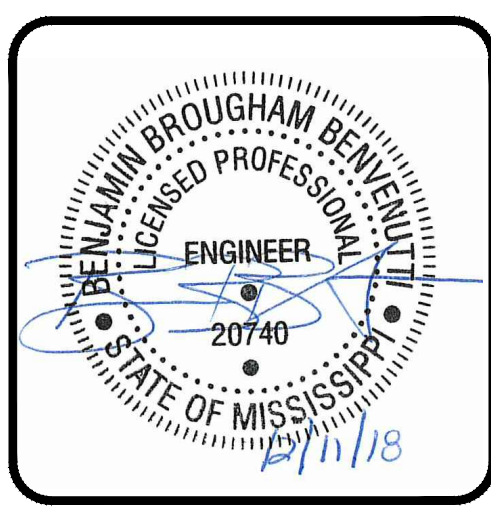
B PROFILE VIEW ENLARGED
N.T.S.

NO.	DATE	REVISION / ISSUE
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**STORMWATER OUTFALLS -
PHASE I**



COVINGTON
CIVIL AND ENVIRONMENTAL
2510 14TH STREET, SUITE 1010
GULFPORT, MISSISSIPPI 39501
Office: (228)396-0486

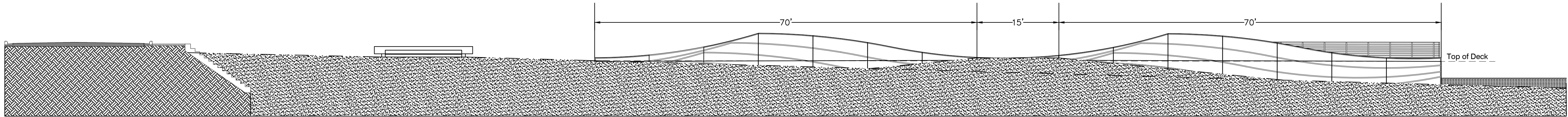


NO.	DATE	REVISION / ISSUE
1	1/11/19	ADDENDUM #1

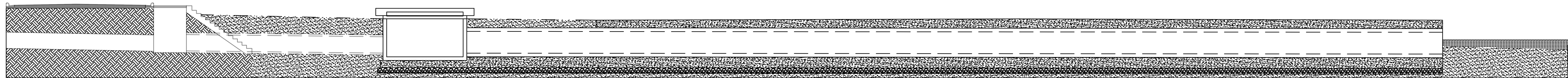
STORMWATER OUTFALLS -
PHASE I

SITE PLAN -
I-110

DATE 12-11-18	SHEET NUMBER
SCALE 1"=30'	C2.4
DRAWN BY TMK	
CHECKED BY BBB	
PROJECT NO.	



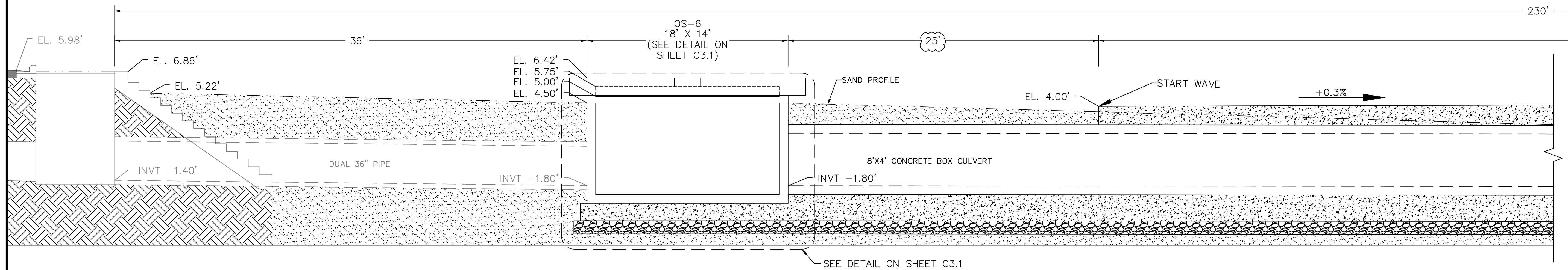
A PROFILE VIEW
N.T.S.



B PROFILE VIEW
N.T.S.

NOTES:

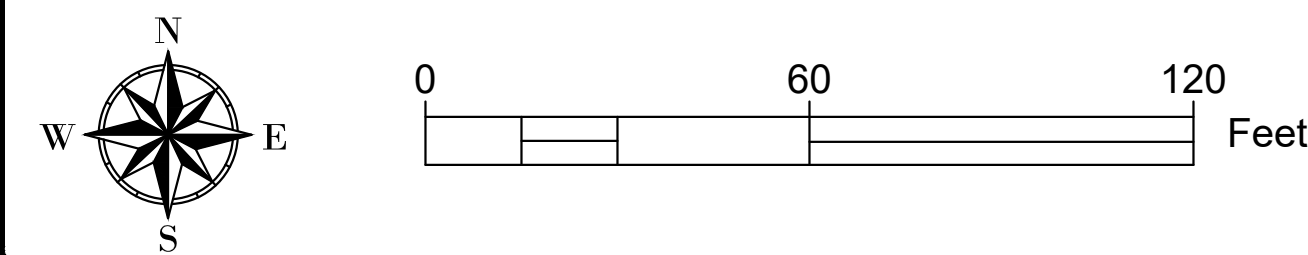
1. SAND ELEVATIONS MAY VARY. CONTRACTOR SHALL GRADE SAND AT A 1:50 SLOPE AWAY FROM JUNCTION BOX UNTIL NATURAL GRADE IS REACHED OR AS DIRECTED BY ENGINEER



B PROFILE VIEW ENLARGED
N.T.S.

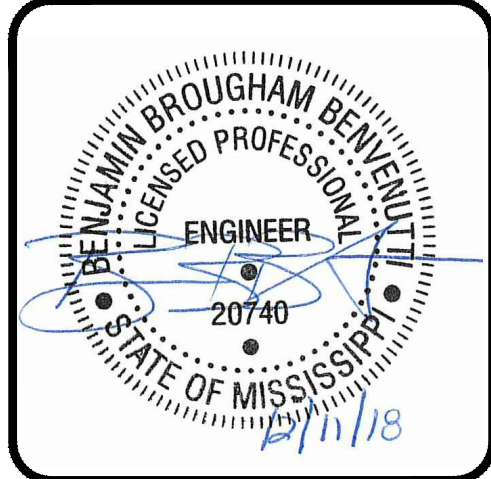
NO.	DATE	REVISION / ISSUE
1	1/11/19	ADDENDUM #1

STORMWATER OUTFALLS -
PHASE I



NO.	DATE	REVISION / ISSUE
1	1/11/19	ADDENDUM #1

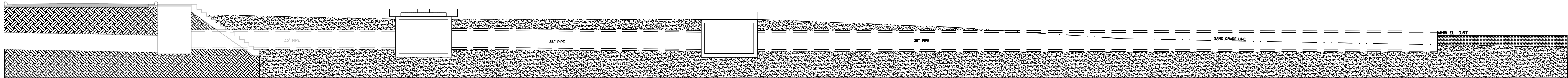
STORMWATER OUTFALLS -
PHASE I



NO.	DATE	REVISION / ISSUE
1	1/11/19	ADDENDUM #1

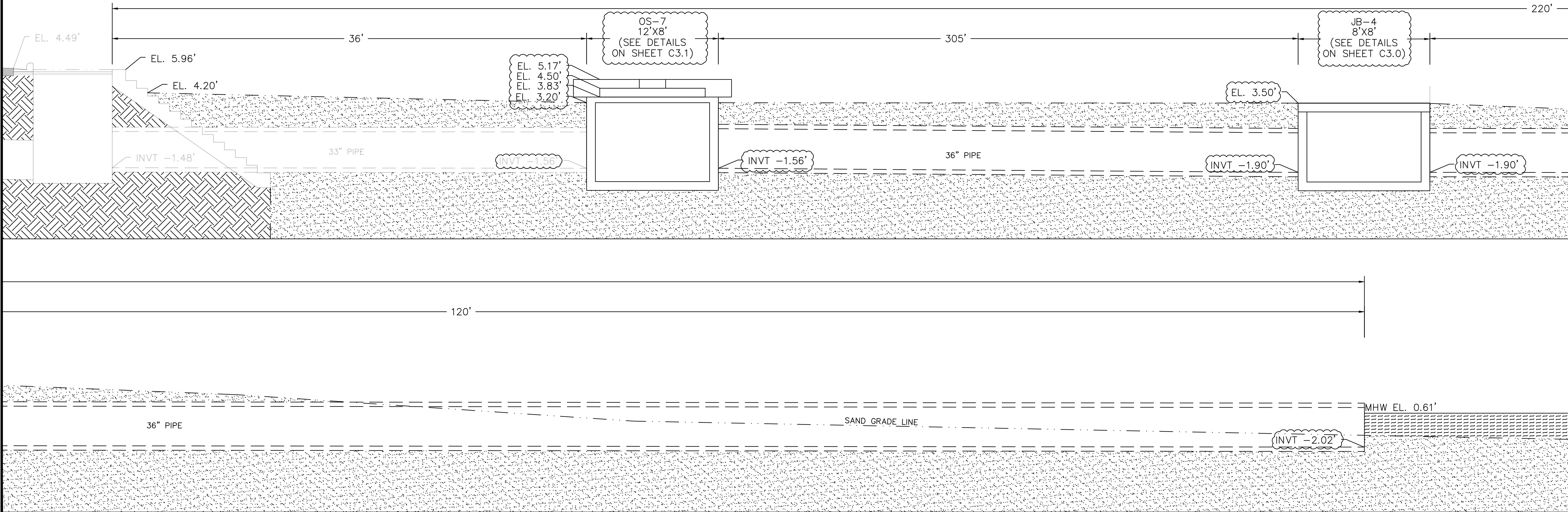
STORMWATER OUTFALLS -
PHASE I

DATE 12-11-18	SHEET NUMBER C2.7
SCALE N.T.S.	
DRAWN BY TMK	CHECKED BY BBB
PROJECT NO. -	

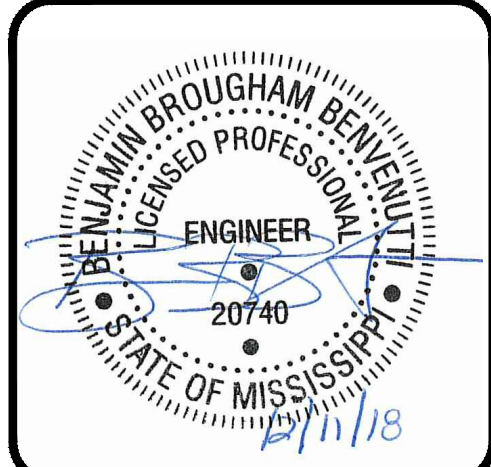


A PROFILE VIEW
N.T.S.

- NOTES:
- SAND ELEVATIONS MAY VARY. CONTRACTOR SHALL GRADE SAND AT A 1:50 SLOPE AWAY FROM JUNCTION BOX UNTIL NATURAL GRADE IS REACHED OR AS DIRECTED BY ENGINEER

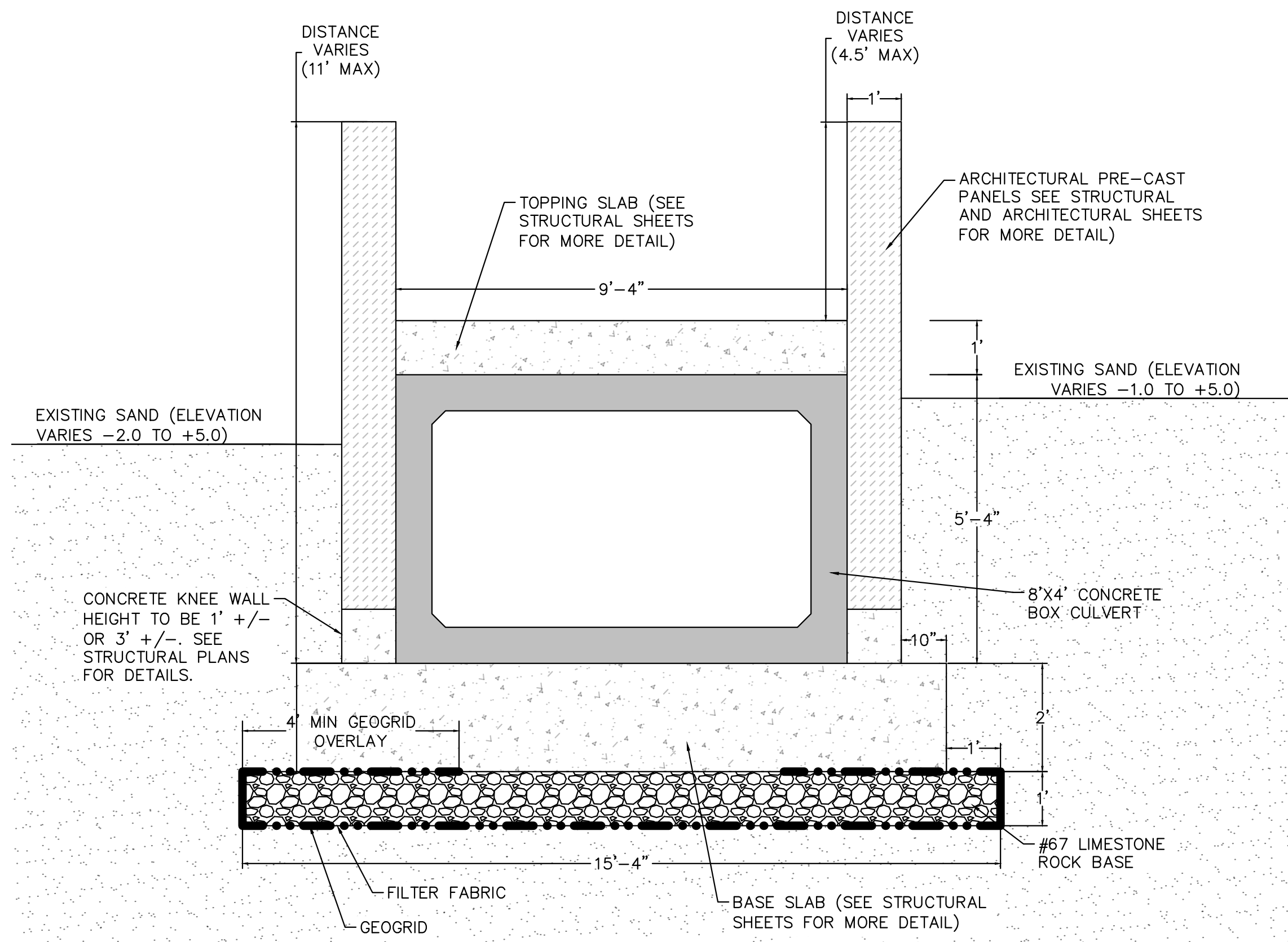


A PROFILE VIEW ENLARGED
N.T.S.

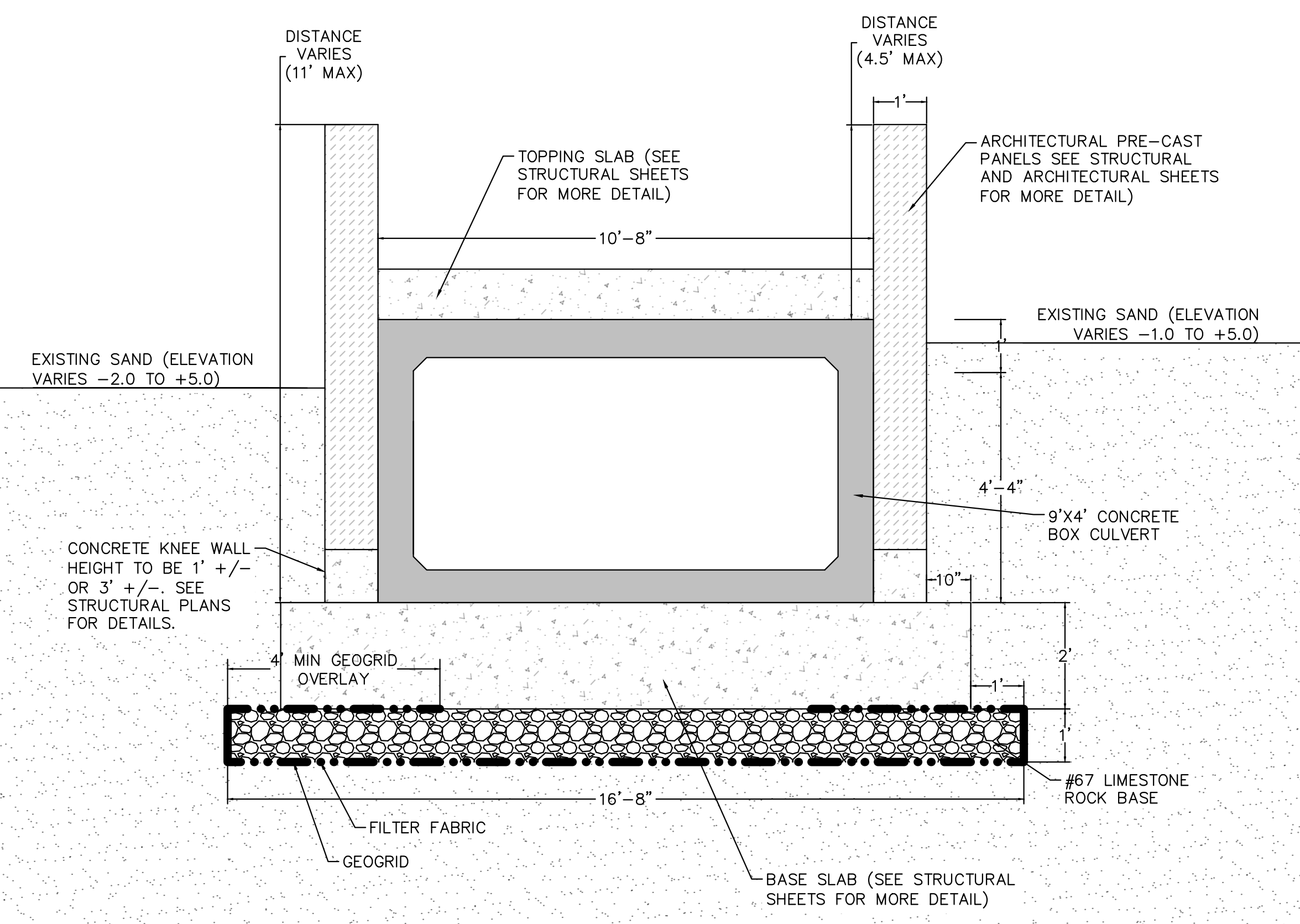


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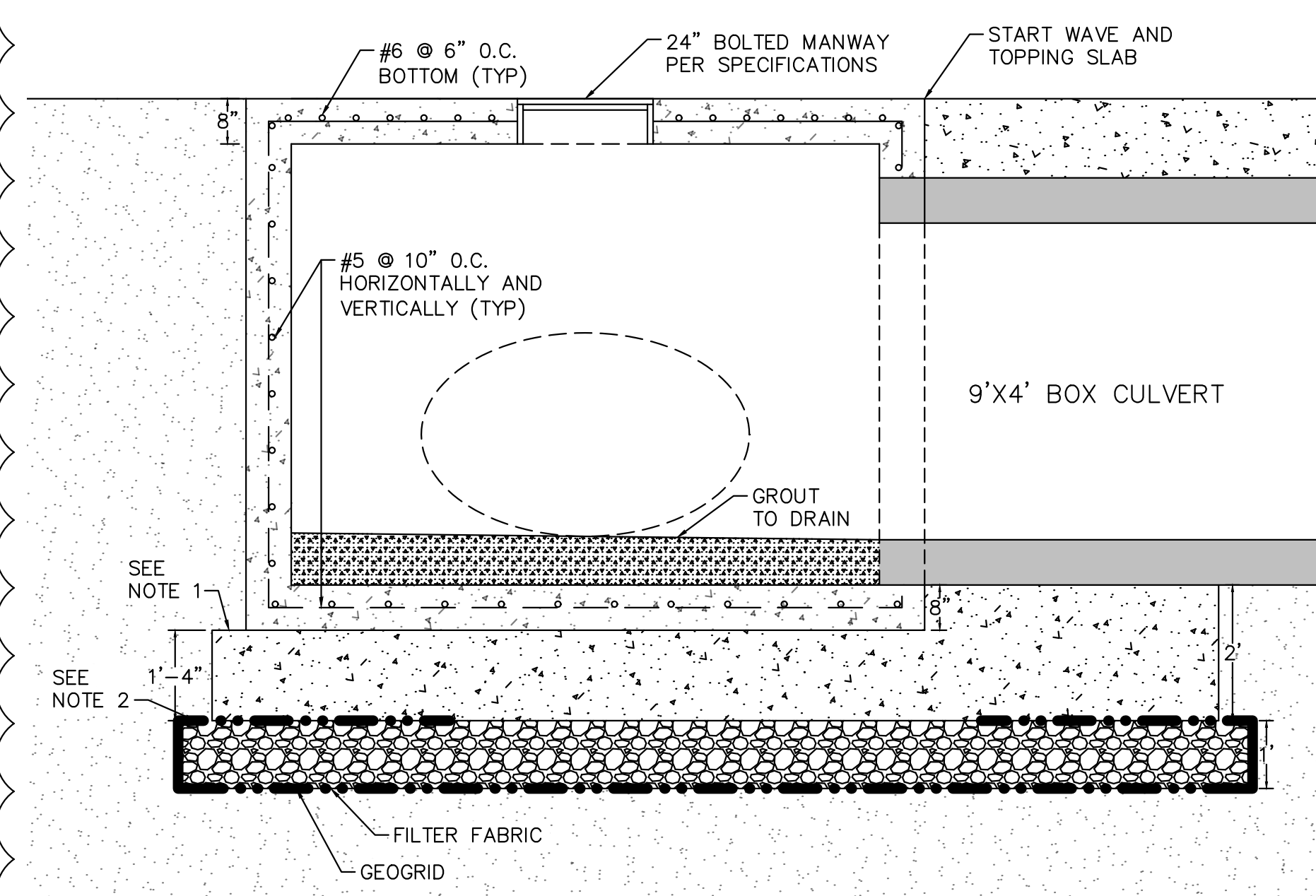
STORMWATER OUTFALLS -
PHASE I



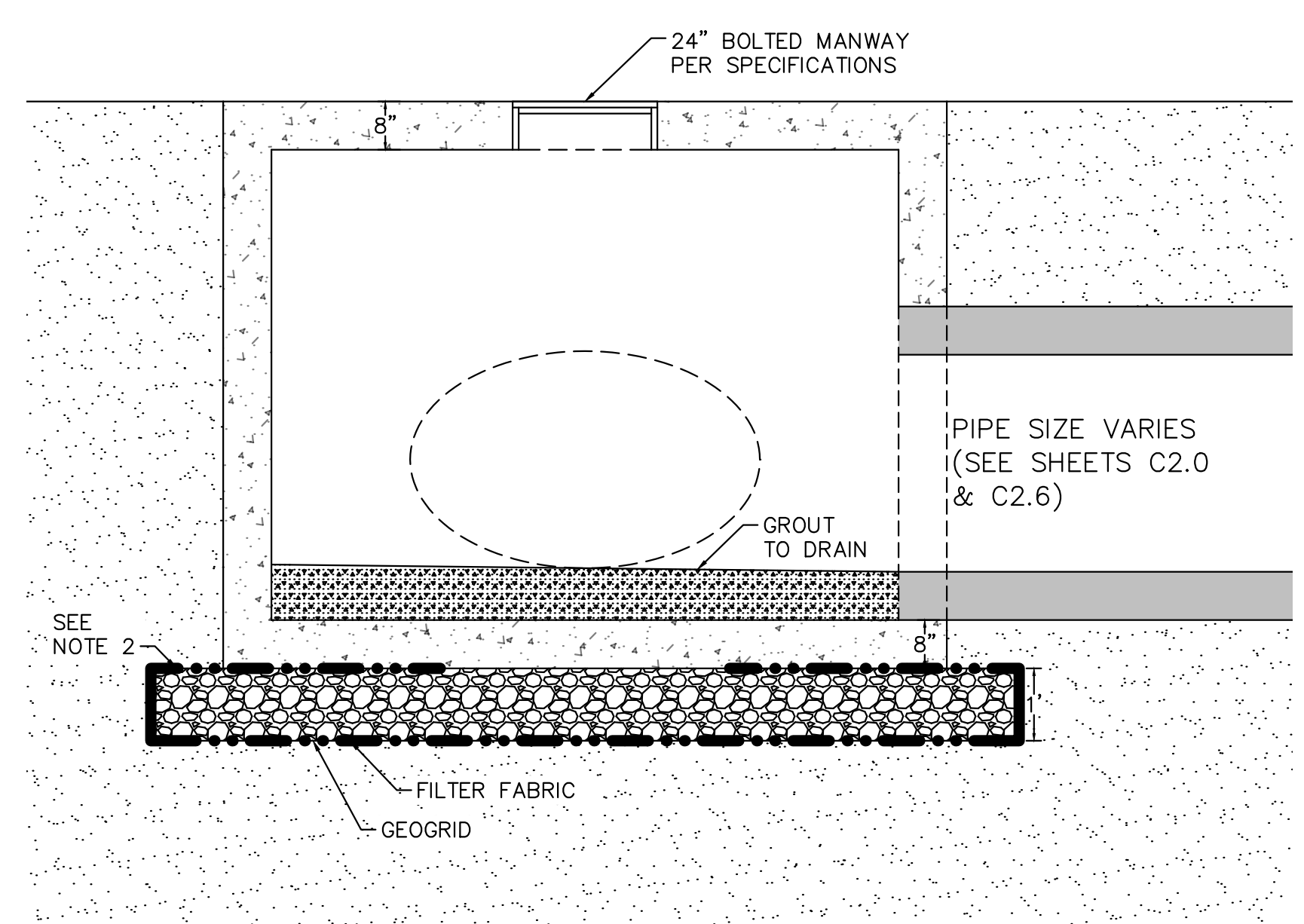
Ⓐ I-110 BOX CULVERT WITH BASE SLAB
SECTION VIEW / N.T.S.



Ⓑ HOLLEY AND LEE ST BOX CULVERT WITH BASE SLAB
SECTION VIEW / N.T.S.



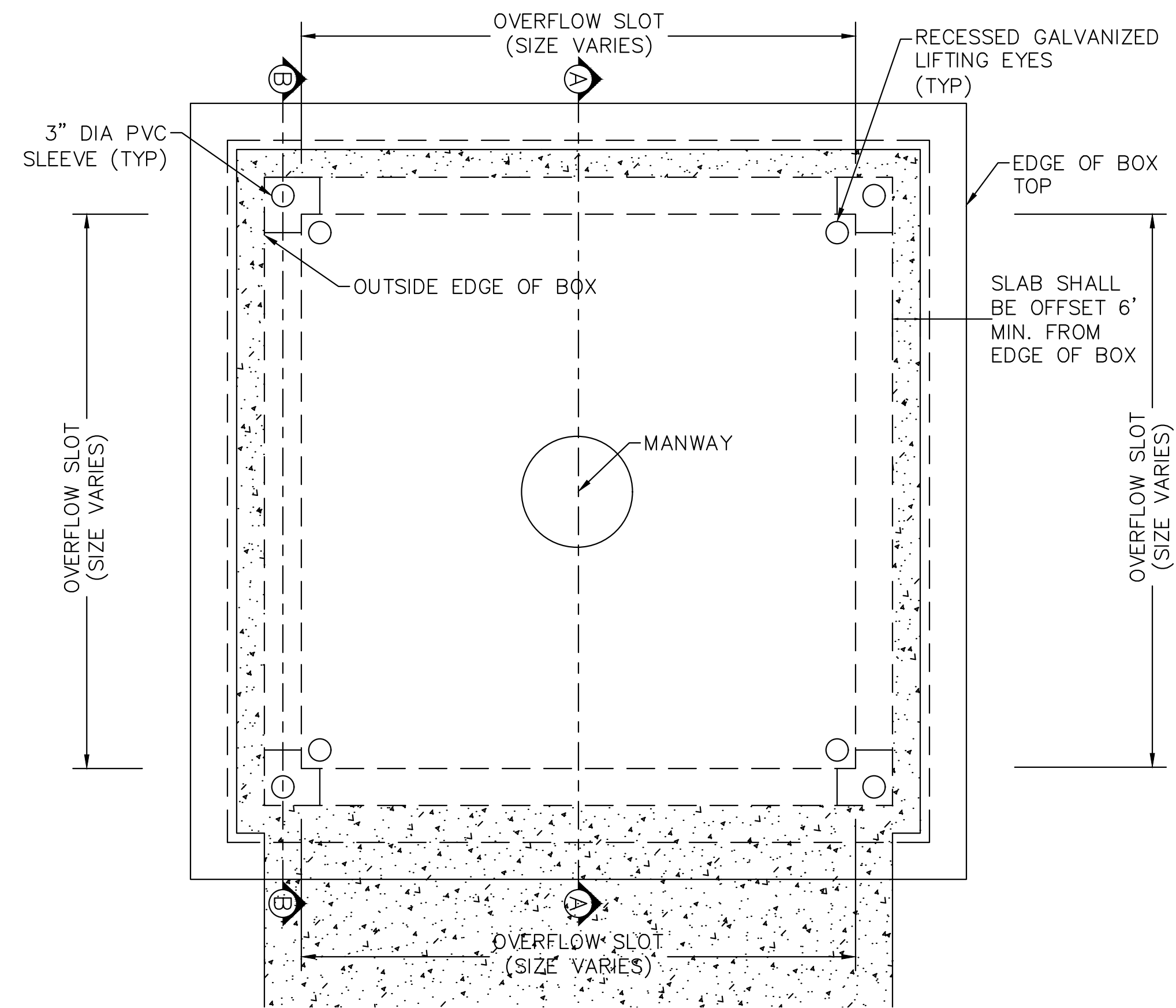
12'X10' JUNCTION BOX WITH BASE SLAB (JB-1 & JB-2)
SECTION VIEW / N.T.S.



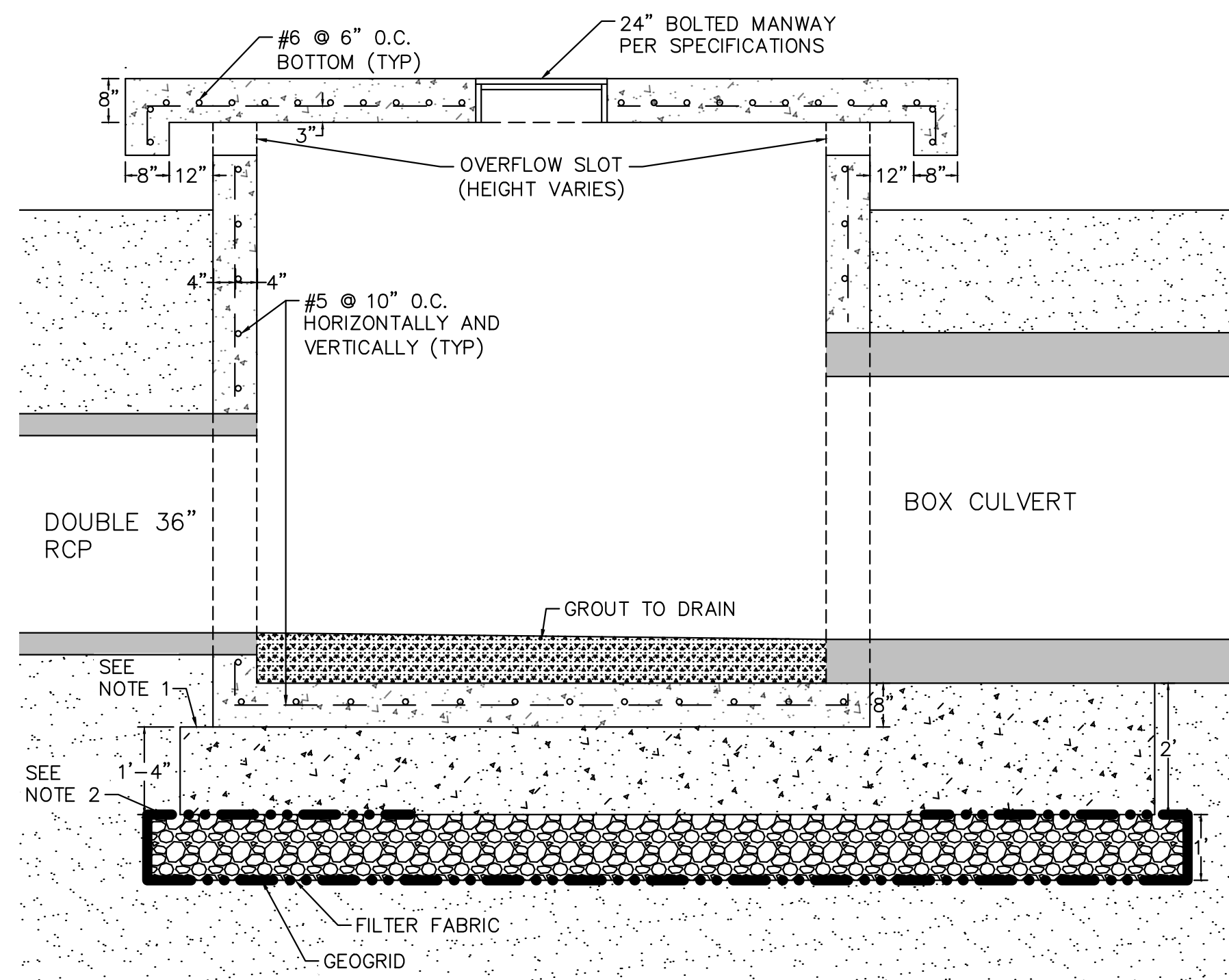
8'X8' JUNCTION BOX WITH ROCK BASE (JB-2 & JB-4)
SECTION VIEW / N.T.S.

JUNCTION BOXES	LOCATION	SIZE		ELEVATIONS	
		WIDTH (FT)	LENGTH (FT)	TOP	PIPE INVT
JB-1	HOLLEY ST	12	10	3.22	-2.28
JB-2	HOLLEY ST	8	8	4.00	-1.75
JB-3	LEE ST	12	10	3.50	-2.00
JB-4	OAK ST	8	8	3.50	-1.90

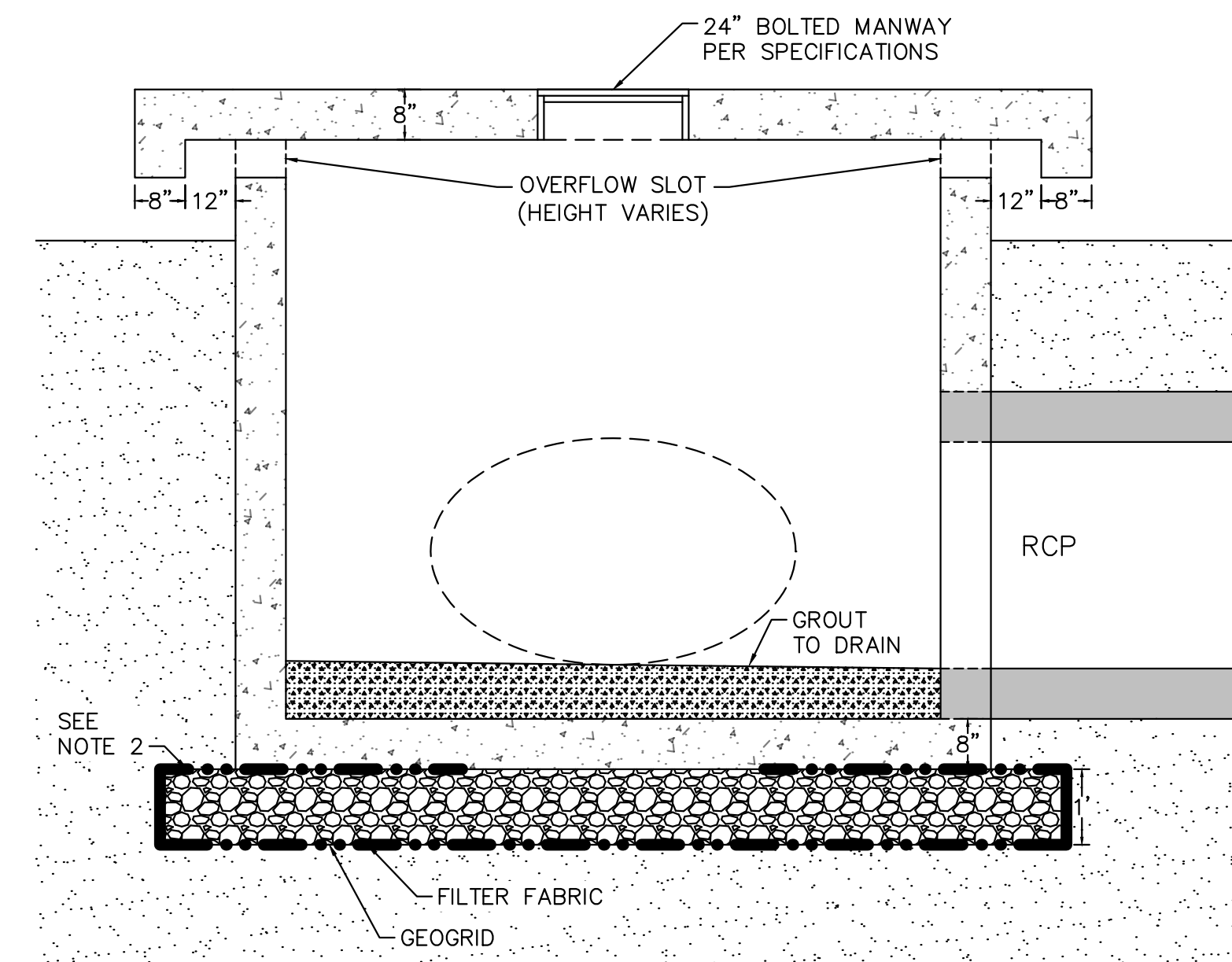
- NOTES:
- BASE SLAB TO EXTEND A MINIMUM OF 6" OUTSIDE OF JUNCTION BOX.
 - LIMESTONE TO EXTEND A MINIMUM OF 12" OUTSIDE OF JUNCTION BOX.
 - CONCRETE SHALL BE 4,000 PSI.
 - REINFORCING STEEL SHALL MEET ASTM A-615, GRADE 60.
 - JOINT SEALANT SHALL BE RAM-NEK OR APPROVED EQUAL.
 - BEDDING SHALL BE 67 STONE COMPACTED PER SPECS.



OVERFLOW STRUCTURE DETAIL
TOP VIEW / N.T.S.



Ⓐ OS-6 OVERFLOW STRUCTURE DETAIL WITH BASE SLAB
SIDE VIEW / N.T.S.

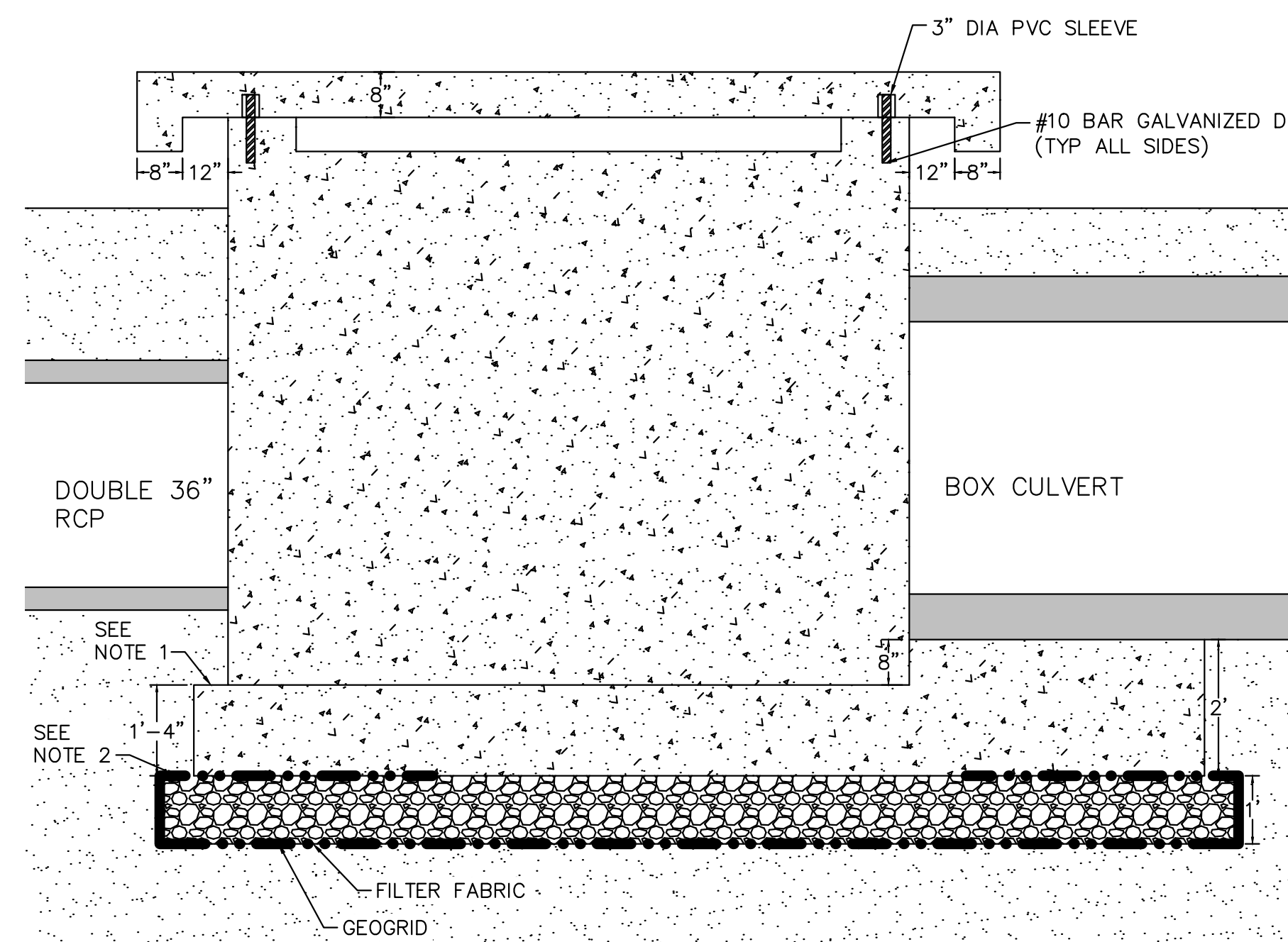


Ⓐ OS-1-5 & 7 OVERFLOW STRUCTURE DETAIL
WITH BASE SLAB
SIDE VIEW / N.T.S.

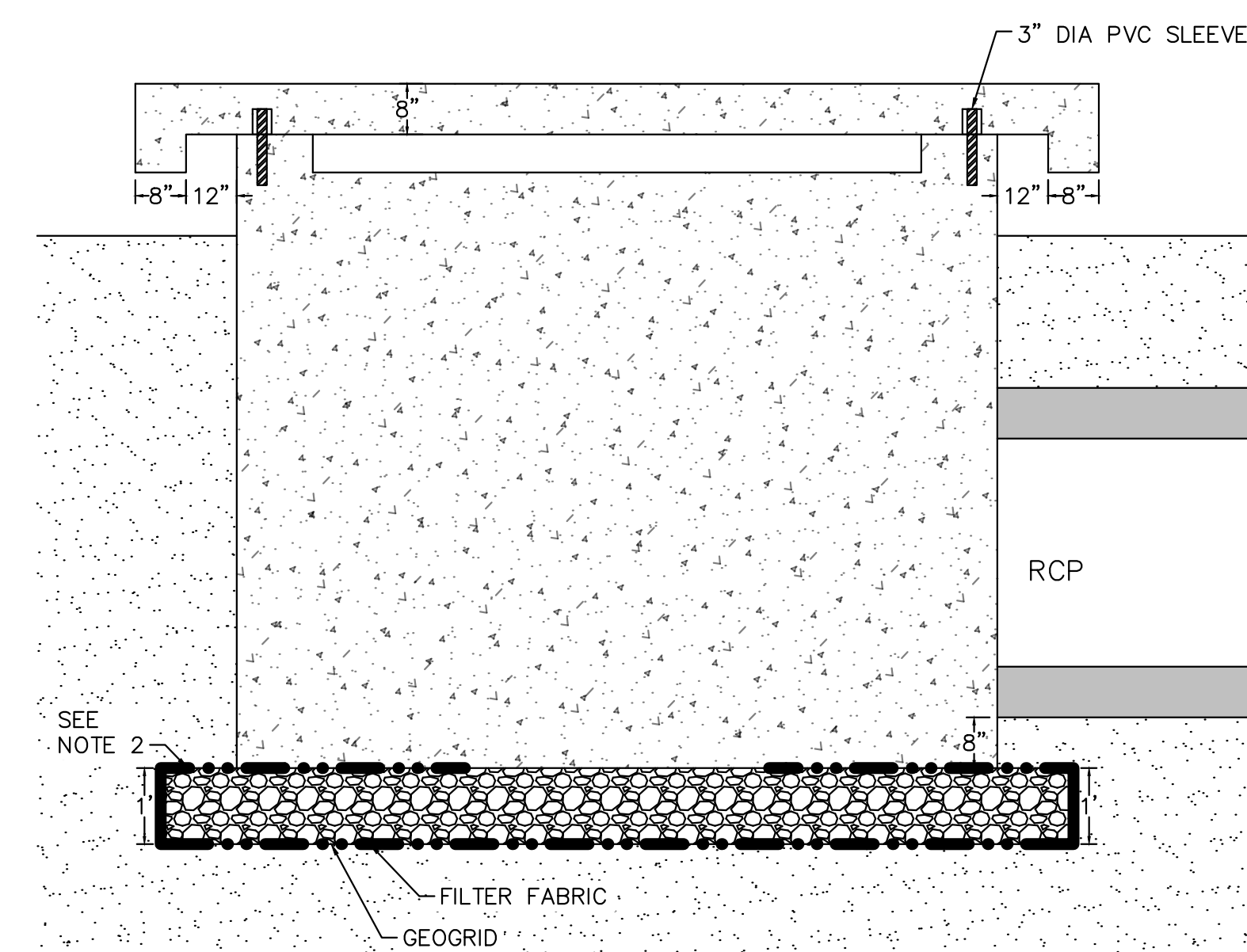
OVERFLOW STRUCTURES	LOCATION	SIZE		STRUCTURE ELEVATIONS			ORIFICE SIZE		
		WIDTH (FT)	LENGTH (FT)	TOP	PIPE INVERT	OVERFLOW	WIDTH (FT)	LENGTH (FT)	HEIGHT (FT)
OS-1	HOLLEY ST	25	12	4.95	-1.93	3.61	23	10	0.67
OS-2	HOLLEY ST	12	8	5.02	-1.23	3.68	10	6	0.67
OS-3	BELLMAN ST	12	8	5.85	0.59	4.52	10	6	0.67
OS-4	LEE ST	18	12	5.85	-1.56	4.52	16	10	0.67
OS-5	KELLER ST	12	8	6.33	0.87	5.00	10	6	0.67
OS-6	I-110	18	14	6.42	-1.80	5.00	16	12	0.75
OS-7	OAK ST	12	8	5.17	-1.56	3.83	10	6	0.67

NOTES:

1. BASE SLAB TO EXTEND A MINIMUM OF 6" OUTSIDE OF OVERFLOW STRUCTURE.
2. LIMESTONE TO EXTEND A MINIMUM OF 12" OUTSIDE OF OVERFLOW STRUCTURE.
3. CONCRETE SHALL BE 4,000 PSI.
4. REINFORCING STEEL SHALL MEET ASTM A-615, GRADE 60.
5. JOINT SEALANT SHALL BE RAM-NEK OR APPROVED EQUAL.
6. BEDDING SHALL BE 67 STONE COMPACTED PER SPECS.



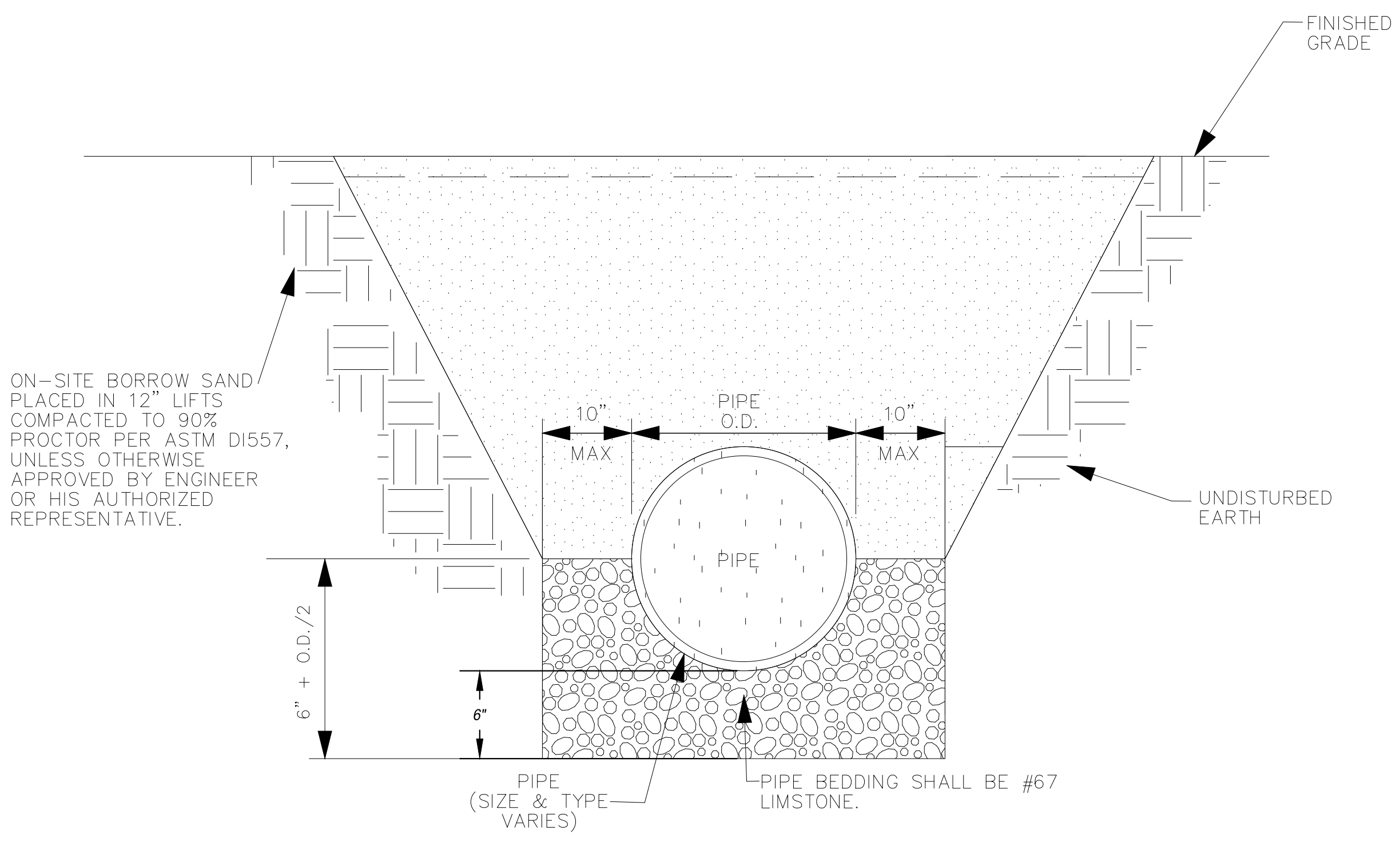
Ⓑ OS-6 OVERFLOW STRUCTURE DETAIL WITH BASE SLAB
SIDE VIEW / N.T.S.



Ⓑ OVERFLOW STRUCTURE DETAIL WITH ROCK BASE
SIDE VIEW / N.T.S.

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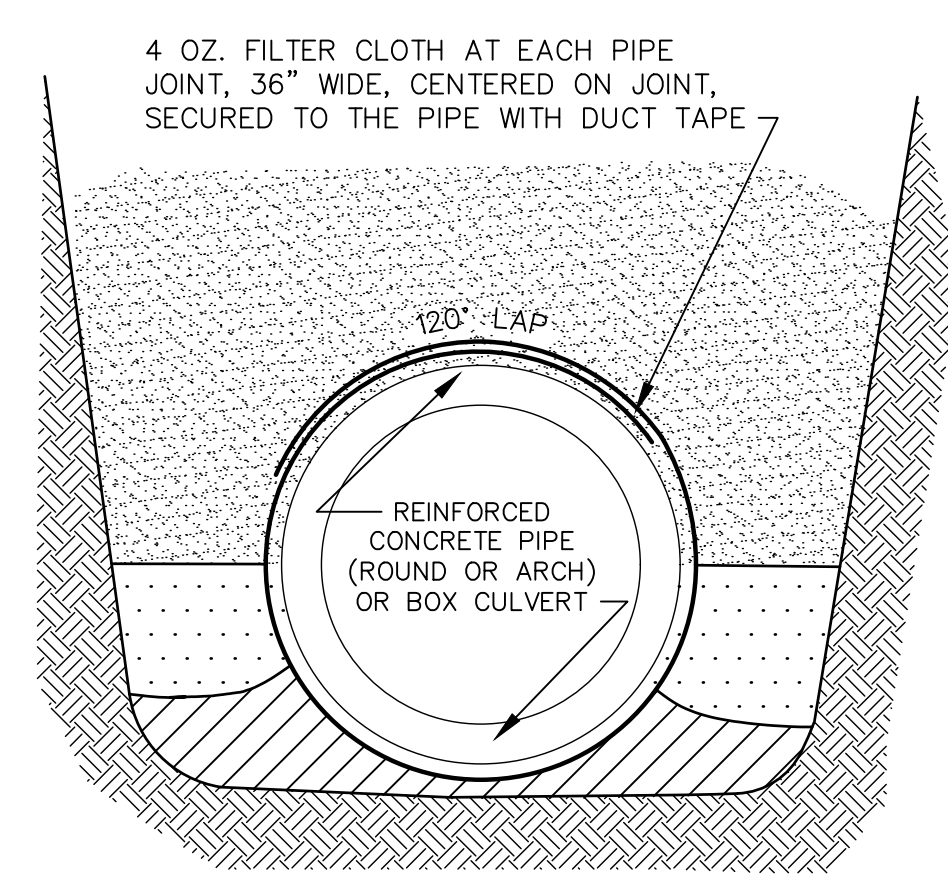
STORMWATER OUTFALLS -
PHASE I



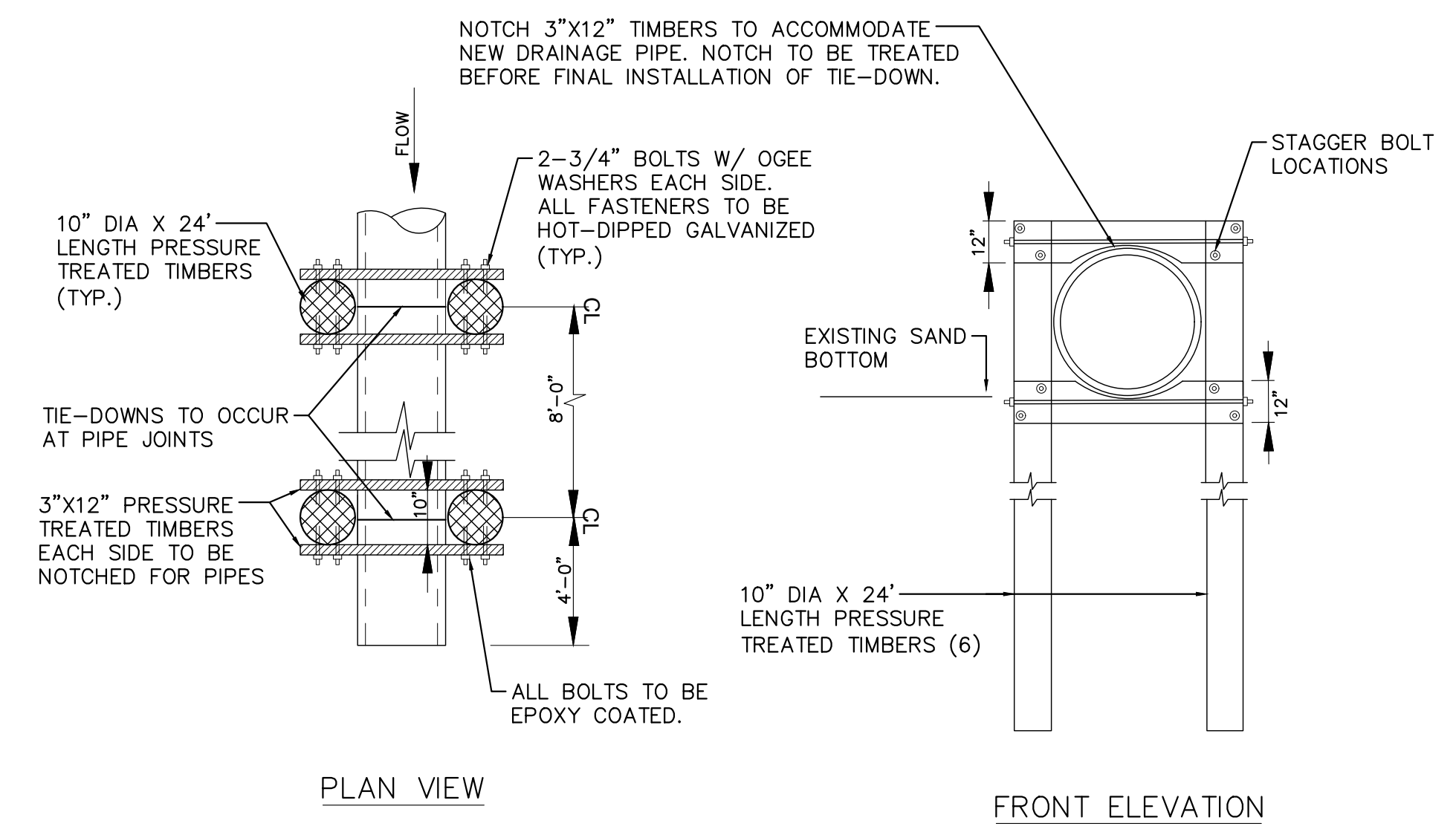
TRENCH DETAIL FOR STORM DRAIN PIPE
N.T.S.

- GENERAL NOTES:
1. PIPE BEDDING SHALL BE #67 LIMESTONE IN ACCORDANCE WITH THE SPECIFICATIONS. BEDDING FOR ARCH PIPE SHALL COVER THE HAUNCHES.
 2. BACKFILL MATERIAL SHALL BE PLACED ON BOTH SIDES OF PIPE SIMULTANEOUSLY DURING BACKFILLING OPERATIONS TO PREVENT SHIFTING OR DAMAGE TO PIPE.
 3. DETAIL APPLIES TO BOX CULVERTS NOT SHOWN TO BE PLACED ON CONCRETE SLAB.

- STORM DRAIN PIPE PLACEMENT NOTES:
1. STORM DRAIN PIPE SHALL BE CLASS III RCP IN ACCORDANCE WITH THE SPECIFICATIONS. LOCATION FOR INSTALLATION OF TYPE OF PIPE SHALL BE AS SHOWN ON THE DRAWINGS.
 2. ALL STORM DRAIN JOINTS SHALL BE WRAPPED WITH GEOTEXTILE FABRIC. FABRIC SHALL BE THREE (3') FEET WIDE (CENTERED OVER JOINT) AND LONG ENOUGH TO WRAP AROUND THE PIPE JOINT AND OVERLAP 1/3 THE CIRCUMFERENCE. THE COST OF FABRIC SHALL NOT BE MEASURED FOR SEPARATE PAYMENT.
 3. REFER TO OTHER DETAILS FOR DRAINAGE STRUCTURES, CONCRETE PIPE REPAIR METHODS, PIPE END TREATMENTS, & GRATES.



PIPE WRAP DETAIL
N.T.S.



TIE-DOWN DETAIL
N.T.S.

NO.	DATE	REVISION /ISSUE
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STORMWATER OUTFALLS -
PHASE I