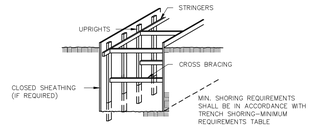
TRENCH SHORING—MINIMUM REQUIREMENTS

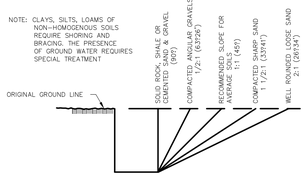
DEPTH OF TRENCH	KIND OF CONDITION OF EARTH	SIZE AND SPACING OF MEMBERS										
		UPRIGHTS		STRINGERS		CROSS BRACES					MAXIMUM SPACING	
						WIDTH OF TRENCH						
		MIN. DIMENSION	MAX. SPACING	MIN. DIMEN.	MAX. SPA.	UP TO 5 FEET	5 TO 6 FEET	6 TO 9 FEET	9 TO 12 FEET	12 TO 15 FEET	VERT.	HORIZ.
FEET		INCHES	FEET	INCHES	FEET	INCHES	INCHES	INCHES	INCHES	INCHES	FEET	FEET
5 TO 10	HARD, COMPACT	3x4 OR 2x6	6	–	–	2x6	4x4	4x6	6x6	6x8	4	6
	LIKELY TO CRACK	3x4 OR 2x6	3	4x6	4	2x6	4x4	4x6	6x6	6x8	4	6
	SOFT, SANDY OR FILLED	3x4 OR 2x6	CLOSE SHEETING	4x6	4	4x4	4x6	6x6	6x8	8x8	4	6
	HYDROSTATIC PRESSURE	3x4 OR 2x6	CLOSE SHEETING	6x8	4	4x4	4x6	6x6	6x8	8x8	4	6
10 TO 15	HARD	3x4 OR 2x6	4	4x6	4	4x4	4x6	6x6	6x8	8x8	4	6
	LIKELY TO CRACK	3x4 OR 2x6	2	4x6	4	4x4	4x6	6x6	6x8	8x8	4	6
	SOFT, SANDY OR FILLED	3x4 OR 2x6	CLOSE SHEETING	4x6	4	4x6	6x6	6x8	8x8	8x10	4	6
	HYDROSTATIC PRESSURE	3x6	CLOSE SHEETING	8x10	4	4x6	6x6	6x8	8x8	8x10	4	6
15 TO 20	ALL KINDS OF CONDITIONS	3x6	CLOSE SHEETING	4x12	4	4x12	6x8	8x8	8x10	10x10	4	6
OVER 20	ALL KINDS OF CONDITIONS	3x6	CLOSE SHEETING	6x8	4	4x12	8x8	8x12	10x10	10x12	4	6

TRENCH JACKS MAY BE USED IN LIEU OF, OR IN COMBINATION WITH, CROSS BRACES.
SHORING IS NOT REQUIRED IN SOLID ROCK, HARD SHALE, OR HARD SLAG.
WHERE DESIRABLE, STEEL SHEET PILING AND BRACING OF EQUAL STRENGTH MAY BE SUBSTITUTED FOR WOOD.

MOVABLE TRENCH BOX MAY BE USED IN LIEU OF TRENCH SHORING.

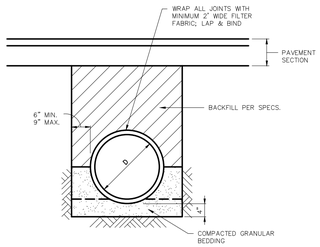


TRENCH SHORING DETAIL
SCALE: NONE



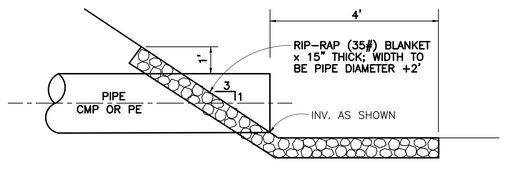
ANGLE OF REPOSE DIAGRAM
SCALE: NONE

TRENCHING & SHORING REQUIREMENTS

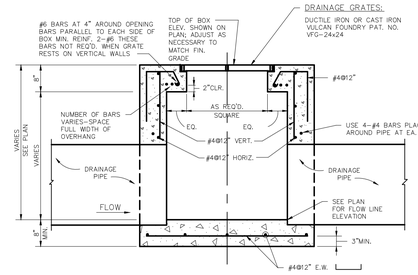


1 BEDDING DETAIL
SCALE: NONE

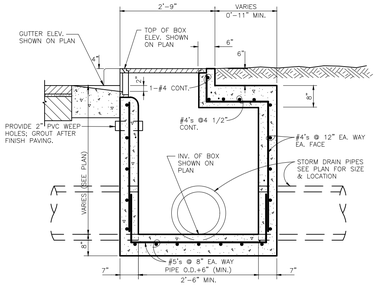
NOTE:
FOR TRENCH SHORING DETAILS AND MINIMUM REQUIREMENTS SEE DETAILS THIS SHEET



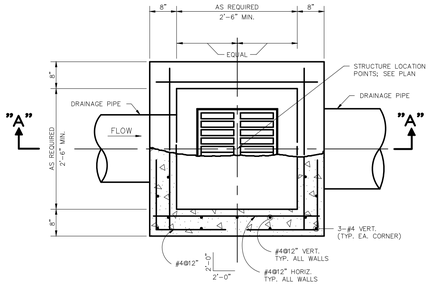
2 OUTFALL OR INLET
SCALE: NONE



SECTION "A–A"



SECTION "B–B"

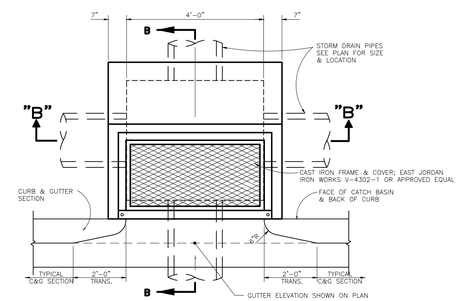


PLAN

3 DRAINAGE STRUCTURE CB-02
SCALE: NONE

NOTE: FOR ADDITIONAL INFORMATION SEE LA. DOTD STANDARD PLAN FOR "CB-01" OR "CB-02"

NOTE: A PRECAST CONCRETE CATCH BASIN IS ACCEPTABLE. SUBMIT FOR ENGINEERS APPROVAL.

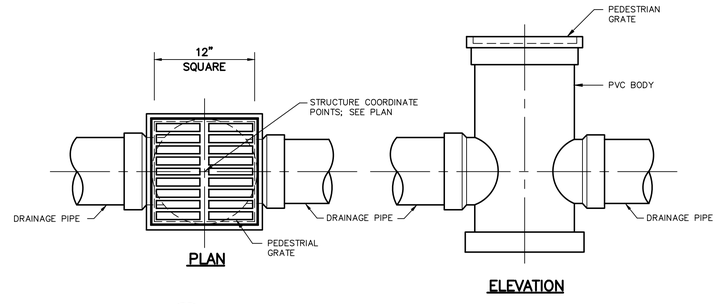


PLAN

4 DRAINAGE STRUCTURE CB-06
SCALE: NONE

NOTE: FOR ADDITIONAL INFORMATION SEE LA. DOTD STANDARD PLAN FOR "CB-06"

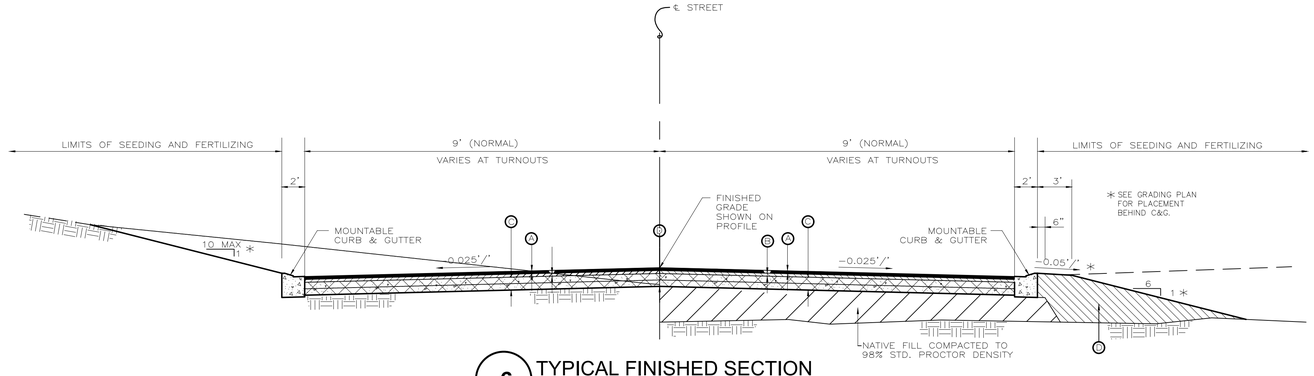
NOTE: STANDARD CURB INLET PER LDOT STANDARDS MAY BE USED. SUBMIT FOR APPROVAL BY ENGINEER.



PLAN

ELEVATION

5 LANDSCAPE DRAIN LS-01
SCALE: NONE



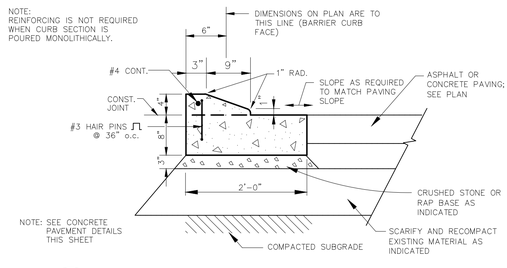
6 TYPICAL FINISHED SECTION

Ⓐ 1.5" ASPHALTIC CONCRETE (WEARING COURSE)(TYPE 3)
Ⓑ 2" ASPHALTIC CONCRETE (BINDER COURSE)(TYPE 3)
Ⓒ CEMENT STABILIZED BASE (8" THICK) (SEE NOTE 1)
Ⓓ COMMON FILL (TOP SOIL)
Ⓔ EXCAVATION

☑ SEEDING AND FERTILIZING IS TO BE APPLIED TO LIMITS OF R/W AND ANY OTHER DISTURBED AREAS AS DIRECTED IN THE FIELD.

GENERAL NOTES:

1. CEMENT STABILIZED BASE SHALL MEET LDOTD SECTION 303 W/ MAX. 7% CEMENT. FULL DEPTH OF CEMENT STABILIZATION SHALL BE IN SELECT FILL MATERIAL PLACED ON PREPARED SUBGRADE.
2. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE DURING CONSTRUCTION AS DIRECTED BY THE PROJECT ENGINEER. THIS WORK SHOULD BE CONSIDERED INCIDENTAL AND PROVIDED AT NO DIRECT PAY.



7 TYPICAL MOUNTABLE CURB SECTION
SCALE: NONE

NOTE: PROVIDE SCORED CONTRACTION JOINTS @ 20' O.C. (10' O.C. IN CURVED LOCATIONS); PROVIDE EXPANSION JOINTS @ 120' O.C.

S. E. Huey Co.
Engineering·Architecture·Surveying
1111 N. 19th ST. MONROE, LA. 71201 PH. 318-325-1791

TBA
103 Cypress Street
West Monroe, Louisiana
Tel. 318.340.1550
Fax. 318.996.1315

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CIVIL ENGINEERING
4/23/18

PROJECT: A NEW HOUSING DEVELOPMENT
BRIARWOOD ESTATES
A KWL PROPERTIES, LLC DEVELOPMENT
XXX SOUTH WASHINGTON STREET
BASTROP, LA 71221

DRAWING REVISIONS

DATE	DESCRIPTION
10/16/17	RE-ISSUE FOR PRICING
12/14/17	RE-ISSUE FOR PRICING
4/23/18	RE-ISSUE FOR CITY COMMENTS
6/05/18	ISSUED FOR CONSTRUCTION

Drawn By: DAH
Checked By: DRA
SHEET
C2.02
Date: 10.16.17
Project No.: 16-0025
File No.:
DESCRIPTION:
DETAILS
SHEET 2 OF 4