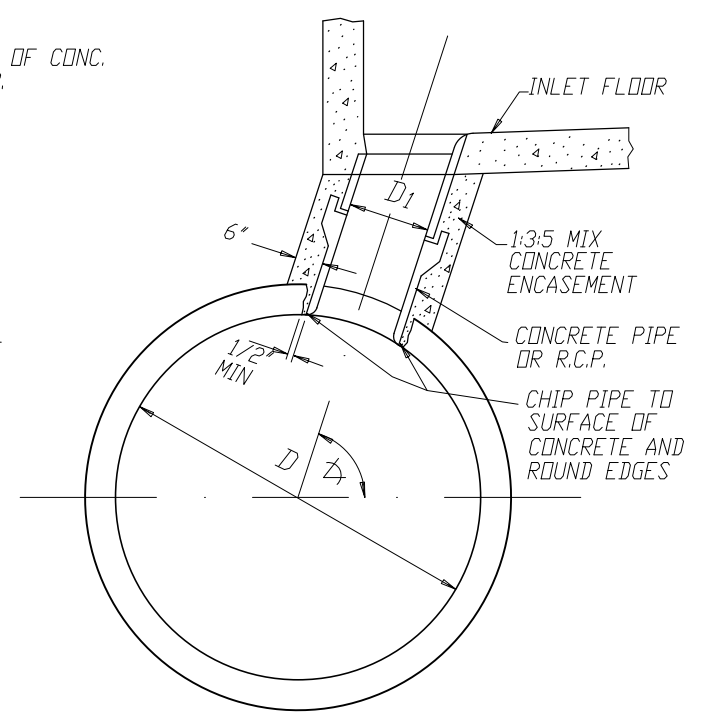
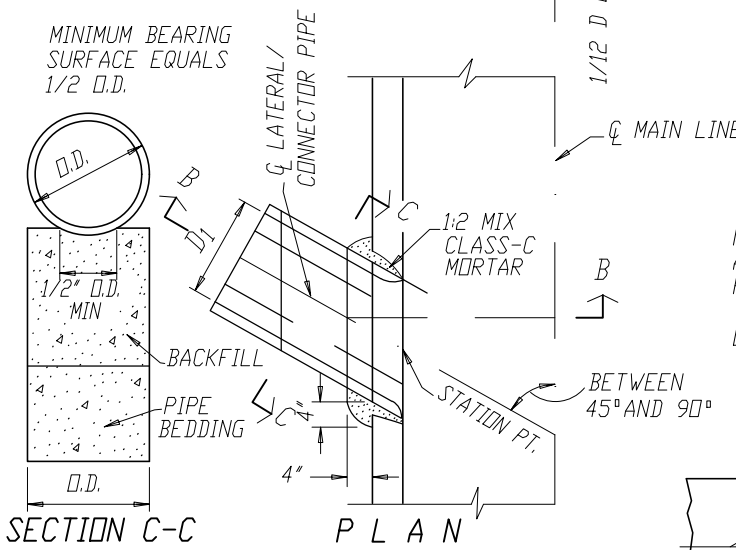


SECTION B-B
CASE-1 SIDE JUNCTION

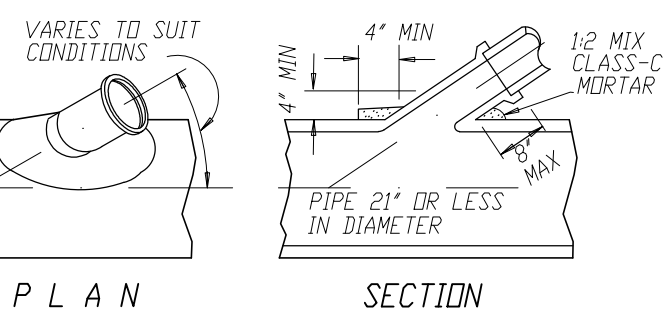


CASE-2
INLET ABOVE STORM DRAIN

NOTE:
ALL CONNECTOR PIPES (WITHIN THE ANGLES SPECIFIED FOR CASE 2) SHALL BE ENCASED WHEN LAID WITHIN THE MAIN LINE EXCAVATED TRENCH, OR WHEN LAID ON FILL WHICH HAS NOT BEEN DENSIFIED.



SECTION C-C
CASE-1 SIDE JUNCTION



PLAN
SECTION
CASE-3 SADDLE CONNECTION


NOTES: CASES 1 AND 2

1. "D1" SHALL BE 24" OR LESS. FOR LARGER VALUES OF "D1", USE MANHOLE, JUNCTION STRUCTURE NO. 2
2. IN NO CASE SHALL THE OUTSIDE DIAMETER OF THE INLET PIPE EXCEED ONE-HALF THE INSIDE DIAMETER OF MAIN STORM DRAIN.
3. CENTERLINE OF JUNCTION SHALL BE ON RADIUS OF MAIN STORM DRAIN EXCEPT WHERE ELEVATION "S" IS SHOWN ON PROJECT DRAWING.
4. THE MINIMUM OPENING INTO THE EXISTING STORM DRAIN SHALL BE THE OUTSIDE DIAMETER OF THE CONNECTING PIPE PLUS ONE INCH.
5. ALL CORRUGATED METAL PIPE AND FITTINGS SHALL BE GALVANIZED.
6. IF \angle IS 45° OR LESS, USE CASE-1; IF \angle IS GREATER THAN 45°, USE CASE-2.

NOTES: CASE 3

1. CONNECTION TO PIPE 21" OR LESS IN DIAMETER WITHOUT JUNCTION STRUCTURES OR PRECAST "Y" BRANCHES SHALL BE MADE WITH SADDLES.
2. TRIM OR CUT SADDLE TO FIT SNUGLY OVER THE OUTSIDE OF THE MAIN PIPE, AND SO ITS AXIS WILL BE ON THE LINE AND GRADE OF THE CONNECTING PIPE.
3. THE OPENING INTO THE PIPE SHALL BE CUT AND TRIMMED TO FIT THE SADDLE SO THAT NO PART WILL PROJECT WITHIN THE BORE OF THE SADDLE PIPE.
4. THE CONNECTING PIPE SHALL BE SUPPORTED AS SHOWN IN CASES 1 AND 2.

ADOPTED FROM LACDPW STD. DWG. NO. 3033-D

APP. 	51568 RCE	11/24/2020 DATE			
CITY ENGINEER			NO.	DATE	DESCRIPTION OF REVISIONS

CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS

DRAWN: M. ELIAS
DATE: 11/3/2020

JUNCTION STRUCTURE No. 5

STANDARD DRAWING NO.
315
SHEET 1 OF 1

FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 312-L