PLATE OR REINFORCED
CONCRETE PIPE OR C.M.
BEDDING OF INLET PIPE
ELEV’S’ SEE
NOTE 3 BELOW
BACKFILL WITH
1/3 MIX CONCRETE
UNDISTURBED
EARTH
SECTION B-B
CASE-1 SIDE JUNCTION

MINIMUM BEARING
SURFACE EQUALS
1/2 D.D.
LATERAL
CONNECTOR PIPE
B
BACKFILL
PIPE BEDDING
SECTION C-C
PL AN

SECTION B-B
CASE-1 SIDE JUNCTION

PL AN
SECTION C-C

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

CASE-3 SADDLE CONNECTION

PL AN
NOTES: CASES 1 AND 2
1. "D" SHALL BE 24" OR LESS. FOR LARGER VALUES OF "D", 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 A IS 45 OR LESS, USE CASE-1; IF A IS GREATER THAN 45°, USE CASE-2.

NOTES: CASE 3
1. CONNNECTION 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 GRANE 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 REV. 9/93

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

CONNECTION ASSEMBLY

DIRECTOR OF PUBLIC WORKS
R. C. E. NO. 12006

DATE 24 Sep 1993

SCALE N.T.S.

DRAWN M. GRACIA

STD-312-L