

PLAIN or REINFORCED CONCRETE
PIPE or C.M.P.

ELEVATION "S"
See Note Below

BEDDING OF INLET
PIPE.

BACKFILL WITH CONCRETE TO
SPRINGLINE OF LATERAL OR
COMPACT SOIL TO RELATIVE
DENSITY REQUIRED BY
SPECIFICATIONS.

PIPE BEDDING

UNDISTURBED EARTH

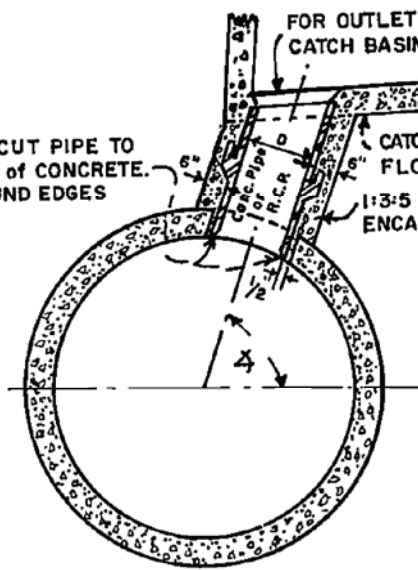
BURN or CUT PIPE TO
SURFACE of CONCRETE.
AND ROUND EDGES

FOR OUTLET SEE STD.
CATCH BASIN PLANS.

CATCH BASIN
FLOOR

1:3:5 MIX CONC.
ENCASEMENT

**SECTION B-B
CASE-1**



CASE-2

CATCH BASIN ABOVE STORM DRAIN

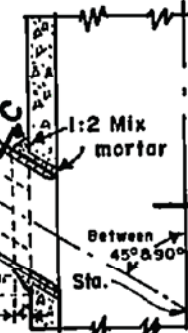
NOTE

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.

Minimum bearing
surface equals
1/2 O.D.



Pipe Bedding



SECTION C-C

SECTION A-A

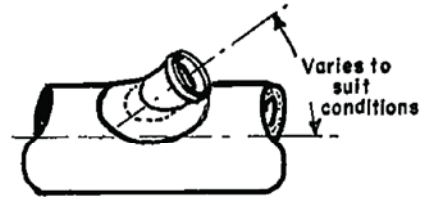
CASE-1-SIDE INLET

NOTES CASES 1 & 2

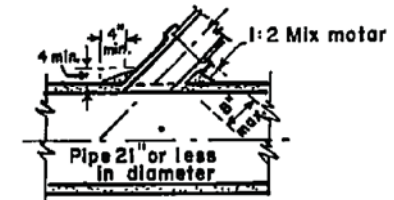
1. D shall be 24" or less, and in no case shall the outside diameter of the inlet pipe exceed one-half the inside diameter of the main line. If θ is 45° or less, use Case 1. If θ is greater than 45°, use Case 2.
2. C of inlet shall be on radius of main storm drain except when elevation "S" is shown on project drawing PROFILE.
3. The minimum opening into the existing storm drain shall be the outside diameter of the connecting pipe plus 1 inch.
4. All corrugated metal pipe and fittings shall be galvanized.
5. Sta. of F.L. & center of pipe, shown on project dwg. PROFILE

NOTES CASE-3- SADDLE CONNECTION

1. Connections to pipes 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 it's 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 Case 1 and 2.



PLAN



SECTION

CASE-3- SADDLE CONNECTION

L.A.C.F.C.D. STD. NO. 2-D193



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	
APPROVED BY:	<i>Warren D. Williams</i>
CHIEF ENGINEER	
DATE: April 5, 2004	R.C.E. NO. 32336

JUNCTION STRUCTURE
NO. 4

STANDARD DRAWING NUMBER JS229