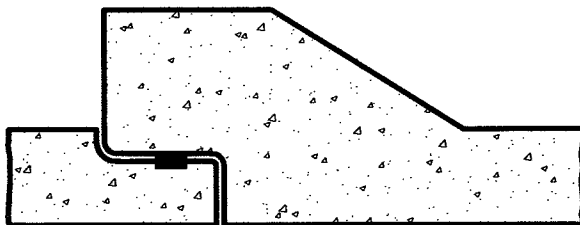


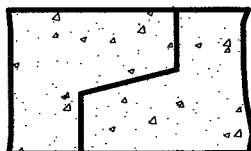
## REINFORCED CONCRETE PIPE

### WITHIN CITY RIGHT-OF-WAY



1. Bell & spigot type joint with O-ring gasket shall be used for all irrigation or storm drain pipelines and siphons within the City right of way.
2. Cast-in-place concrete pipe to be used within street right of way, shall conform to Section 63 of State Specifications and will be monolithic. A mix design shall be submitted for City approval before construction.
3. Where cover is less than 6 feet, increase concrete in upper half of pipe to twice normal thickness, encasing longitudinally, two (2) no. 4 bars near top of pipe at 18" o.c.

### WITHIN EASEMENT AREAS



1. Tongue and groove type joint shall be centrifugally cast using mastic packing (Ramnek, Kent Seal or equal). "Packer Joint" pipe shall use mortar joints.
2. Reinforced Concrete Pipe (RCP) with rubber ring joint shall conform to ASTM C76 Type II Class II/1000D for cover over 6 feet, or Class III/1350D for 2 feet to 6 feet of cover. RCP is not allowed with less than 2 feet of cover.

### GENERAL NOTES

1. Maximum spacing of storm drain manholes shall be 500 feet.
2. Pipe Class design shall be submitted for approval by City Engineer.
3. Submittals for polymer pipe may be considered, based on material, design and use.

ENGINEERING DEPARTMENT

CITY OF MERCED, CA.

## STORM DRAIN PIPE REQUIREMENTS

SD-9

DRAWN: KGE

APPROVED BY:

DATE

DATE: 6/87

*David L. Juden*

3/17/08

REVISED: 3/17/08

CITY ENGINEER

SHEET

OF