MULTIPLE PIPE INSTALLATION
OPTION WITH SQUARE BOTTOM
OPTION WITH INVERT BOTTOM
SECTION A-A

END DETAIL FOR INSTALLATION OF SAFETY PIPE RUNNERS

OPTIONAL JOINT FOR RCP

PRECAST SAFETY END TREATMENT

TYPE II ~ CROSS DRAINAGE

GENERAL NOTES:
Precast safety end treatment for reinforced concrete pipe (RCP) and thermoplastic pipe (TP) may be used for TYPE II end treatment as specified in Item 467, "Safety End Treatment".

Pipe runners are designed for a traversing load of 1,800 Lbs at yield. See PBGC standard for grouted connections with TP and precast safety end treatment.

Detailed specifications are given in "Cross-Drainage Structures", Texas Transportation Institute, March 1981.

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For thermoplastic pipe (TP) take into account the annular space requirements for thermoplastic pipe (TP) may be used for TYPE II end treatment as specified in Item 467, "Safety End Treatment".

When precast safety end treatment is used a Contractor's alternative for reinforced concrete pipe (RCP), RCP will be required unless noted otherwise on the plans.

Pipe stubs meeting the requirements of ASTM A53 (Type E or S, Grade B), or galvanized steel (40 grade) shall be used. For thermoplastic pipe (TP) may be used for TYPE II end treatment as specified in Item 467, "Safety End Treatment".

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