



**PLAN VIEW**

**NOTES:**

1. THESE CONNECTION DETAILS ARE FOR PIPES WITH INSIDE DIAMETER GREATER THAN 15". FOR SMALLER PIPES, KOR-N-SEAL CONNECTIONS SHALL BE USED.
2. PRIOR TO THE INSTALLATION OF STORM DRAIN JUNCTION BOXES, CONTRACTOR SHALL SUBMIT PLANS, SPECIFICATIONS AND CALCULATIONS TO THE DEPARTMENT OF UTILITIES FOR REVIEW AND APPROVAL. THE JUNCTION BOX PLANS, SPECIFICATIONS AND CALCULATIONS SHALL BE STAMPED BY A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.
3. PRECAST JUNCTION BOXES SHALL BE SUPPORTED ON A LEVELING COURSE OF AT LEAST TWELVE INCHES OF 3/4 INCH CRUSHED ROCK. PRIOR TO PLACEMENT OF THE CRUSHED ROCK, THE EXCAVATION SUBGRADE SHALL BE CLEARED OF ALL LOOSE, SOFT AND DISTURBED SOILS SO THAT ONLY FIRM, UNDISTURBED SOILS ARE EXPOSED. THE CRUSHED ROCK LEVELING COURSE MAY BE THICKENED AS NECESSARY TO BACKFILL AREAS OVEREXCAVATED TO REMOVE DISTURBED SOILS.
4. JUNCTION BOX BENCH SHALL SLOPE UPWARDS FROM THE SPRING-LINE OF THE PIPE TO THE PROJECTED LEVEL OF THE CROWN OF THE PIPE AT THE MANHOLE WALL OR 12 INCHES ABOVE THE SPRING-LINE, WHICHEVER IS LESS. ALL HOLES, CRACKS, AND SEAMS SHALL BE GROUTED FLUSH USING NONSHRINK GROUT IN THE JUNCTION BOX INTERIOR. NON-SHRINK GROUT SHALL BE "METALLIC GROUTING COMPOUND" BY BURKE, "EMBEKO" BY MASTER BUILDERS, "FERROLITH-G" BY SONNEBORN-DESOTO, OR APPROVED EQUAL. ALL INTERNAL SURFACES SHALL HAVE A SMOOTH FINISH.

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**CITY OF SACRAMENTO**  
DEPARTMENT OF UTILITIES

**TYPICAL JUNCTION BOX**  
**PIPE CONNECTION DETAIL**

APPR'D BY: *D. B. J.* NO SCALE  
DATE: MAY 2007 DWG. NO. **S - 310**