

-EXISTING PIPE EXTENDS THROUGH MANHOLE, CUT & REMOVE PORTION OF EXISTING PIPE TO FORM SMOOTH CHANNEL TO INVERT OF OUTLET SEWER.

BRANCH INLET — TYPICAL SECTION NO SCALE

USE IMPRESSION RING TO FORM MATING GROVE IN TOP OF SLAB

CUT OUT TOP OF PIPE TO SPRING LINE

PRECAST MANHOLE BARREL

3" MIN

SEE NOTE #5

2' PIPE BEDDING MATERIAL COMPACTED PER SPECIFICATIONS AND PLACED ON UNDISTURBED SOIL

MANHOLE BASE — TYPICAL SECTION NO SCALE

PRECAST MANHOLE BARRELS THICKNESS AS SPECIFIED 48" CUT OUT TOP OF PIPE WITHIN **UNLESS** MANHOLE (SEE TYP BASE SECTION) **OTHERWISE SPECIFIED** STEEL TROWEL FINISH FORM GROOVE IN MANHOLE BASE W/ STEEL OR ALUMINUM BASE RING PER MFR DETAIL 3" MIN 6" EPOXY GROUT FILLET -4,000 PSI MIN CONCRETE 12" MIN #4 @ 12" EW, MAINTAIN 6" CLEARANCE UNDER REBAR -MANHOLE OD + 12"-

NOTES:

- 1) MANHOLE PENETRATIONS THAT MAKE TRANSITION FROM DIFFERING PIPE MATERIALS AT THE CENTER OF THE MANHOLE, INSTALL A TWELVE INCH (12") LONG "U" SHAPED OPEN CHANNEL TRANSITION SECTION OF HAND FORMED CONCRETE TO PROVIDE A UNIFORM TRANSITION BETWEEN THE TWO PIPE MATERIALS.
- 2) ALL MANHOLE PIPE PENETRATIONS SHALL BE PROVIDED WITH A FLANGE OR OTHER SUBSTANTIAL DEVICE WELDED ONTO OR CAST INTEGRALLY WITH THE PIPE. SUCH DEVICE SHALL BE SUBJECT TO THE ENGINEER'S REVIEW AND SHALL BE ADEQUATE TO RESTRAIN LATERAL MOVEMENT DUE TO TEMPERATURE DIFFERENTIALS IN THE PIPE. FOR MANHOLES WITH PVC PIPE CONNECTIONS, FOR A WATERTIGHT SEAL TO BE ACHIEVED THE CONTRACTOR SHALL UTILIZE A FLEXIBLE ELASTOMERIC GASKET MATERIAL CAPABLE OF ACCOMMODATING THE DIFFERENTIAL THERMAL EXPANSION AND CONTRACTION BETWEEN THE CONCRETE AND PVC PIPE.
- 3) BASE OF MANHOLE SHOULD BE SMOOTH AND CONTOURED TO SLOPE TOWARDS PIPE.



DATE:
JUL 2016
SCALE:
NO SCALE
DRAWN:
MAM
FILE:
STANDARDS
SHEET:
SHEET:
STANDARDS

SEWER DETAILS



SOUTH TAHOE PUBLIC UTILITY DISTRICT

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