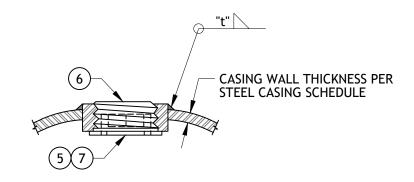


CROSS-SECTION



GROUT FITTING DETAIL

STEEL CASING SCHEDULE		
NOMINAL	MINIMUM CASING SIZE	MINIMUM
CARRIER		WALL
PER SIZE		THICKNESS
6"	16" O.D.	5/16"
8"	16" O.D.	5/16"
10"	18" O.D.	5/16"
12"	20" O.D.	3/8"
16"	24" O.D.	3/8"
18"	30" O.D.	1/2"
24"	42" O.D.	1/2"

ITEM MATERIALS:

- (1) STEEL CASING
- (2) CARRIER PIPE JOINT BELL, BEYOND
- (3) CARRIER PIPE WITH ALL JOINTS RESTRAINED
- 4) STAINLESS STEEL CASING SPACERS WITH UHMW POLYETHYLENE RUNNERS.
- GROUT FITTING @ 8' O.C. PER DETAIL HEREON. FOR ALL CASINGS 24" IN DIA. AND LARGER, INSTALL ONE (1) COUPLING IN 6 O'CLOCK POSITION @ 8' O.C.; STAGGER COUPLINGS BETWEEN 10 O'CLOCK AND 2 O'CLOCK POSITIONS EVERY FOUR (4) LINEAR FEET ALONG CASING AXIS
- (6) 2" NPT THREADED STEEL PLUG WITH RAISED HEAD
- 7 2" NPT STANDARD WEIGHT STEEL PIPE HALF COUPLING
- 8 EPDM CASING END SEAL, WITH STAINLESS STEEL WORM-SCREW BAND CLAMPS

NOTES:

- 1. Casing shall be installed by the bore, jack and/or tunnel method.
- 2. Size and thickness of casing shall be as shown in steel casing schedule hereon. For long bores or special situations greater wall thickness than shown in schedule may be required.
- 3. All steel casing pipe field joints shall be welded full-circumference.
- 4. Carrier pipe shall be pressured tested prior to sealing ends of casing.
- 5. Each end of casing shall be sealed with approved rubber casing end seals.
- 6. Backfill for casing in open cut shall be per EVWD Std. Dwg. W-121 or local agency having jurisdiction.
- 7. Number and placement of spacers on carrier pipe per Manufacturer's Specifications.
- 8. All carrier pipe joints inside the casing and a minimum 5' outside the steel casing shall be restrained.

STEEL CASING FOR WATER PIPE



EAST VALLEY WATER DISTRICT, ENGINEERING DEPARTMENT APPROVED BY:

JEFF NOELTE, P.E. 67924 DIRECTOR OF ENGINEERING & OPERATIONS

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