



SECTION A-A

NOTES:

1. SPACING BETWEEN THE CASING INSULATORS SHALL BE PER THE MANUFACTURERS RECOMMENDATIONS EXCEPT THAT THERE SHALL BE AT LEAST 3 CASING INSULATORS PER PIPE SECTION, ON 12" FROM EACH JOINT AND ONE CENTERED. ADDITIONALLY, ONE INSULATOR SHALL BE INSTALLED 12" FROM EACH END OF THE CASING.
2. BOTH ENDS OF THE CASING BETWEEN THE CASING AND CARRIER PIPE MUST BE SEALED WATERTIGHT USING CONCRETE OR A HEAT SHRINK WRAP AROUND SEAL SUCH AS MODEL W/ AS MANUFACTURED BY PIPELINE SEAL AND INSULATOR LTD. OR APPROVED EQUAL. BANDS SHALL BE TYPE 316 STAINLESS STEEL.
3. ALL STEEL CASING PIPE JOINTS SHALL BE WELDED FULL CIRCUMFERENCE.
4. SIZE AND THICKNESS OF CASING SHALL BE AS SHOWN IN SCHEDULE.
5. CASING SHALL BE INSTALLED BY THE BORE AND JACK AND/OR TUNNEL METHOD.
6. THE STEEL CASING SHALL BE LINED AND COATED WITH HOT APPLIED COAL TAR ENAMEL PER AWWA C203. ENAMEL SHALL BE AWWA TYPE II.

SCHEDULE STEEL CASING FOR PIPELINES		
CARRIER PIPE NOMINAL SIZE (INCHES)	CASING WALL THICKNESS (INCH)	MINIMUM CASING O.D. (INCHES)
8	3/8	20
10	3/8	22
12	3/8	24
14	7/16	26
15	7/16	26
16	1/2	30
18	1/2	32
20	1/2	34
21	1/2	34
24	1/2	42
27	5/8	42
30	5/8	48

Revision	By	Approved	Date
03/02/01	kal		
08/30/04	AC		
09/24/10	OW		

CITY OF OCEANSIDE

STEEL CASING DETAIL

*Art D. Felt* 12-1-10  
CITY ENGINEER Date  
STANDARD  
DRAWING NO. RW-21