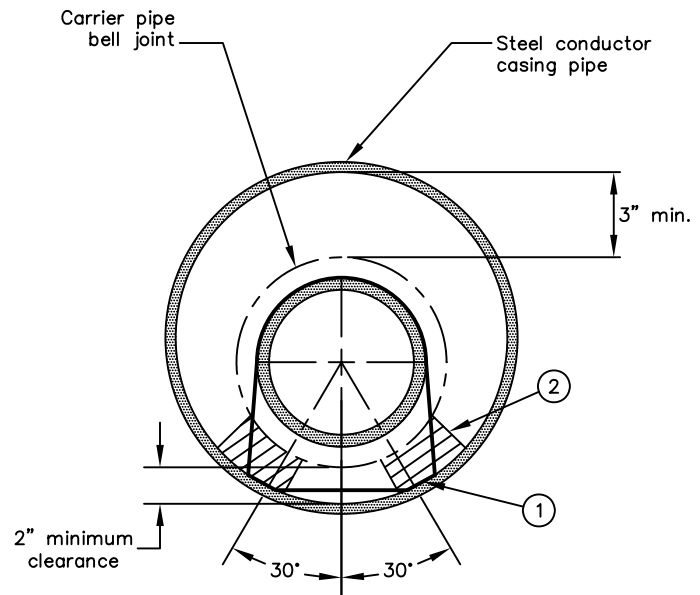


STEEL CONDUCTOR CASING FOR D.I.P. & P.V.C. PIPE				
	MINIMUM CASING SIZE	MIN. WALL	SKIDS	
4"	12 ³ / ₄ " O.D.	1/4"	4" x 4" 2" x 2"	UNFINISHED REDWOOD
6"	12 ³ / ₄ " O.D.	1/4"		
8"	16" O.D.	1/4"		
12"	24" O.D.	5/16"	4" x 4"	
16"	24" O.D.	3/8"		



CONSTRUCTION NOTES:

- ① Unfinished redwood skids 3 feet long beveled at both ends four (4) skids per length of pipe to be strapped in place, 3 feet from each end of pipe. Notch skid to seat strap. Stainless steel band straps.
- ② 8 gauge by 1" wide. Install three (3) straps per skid. Tension straps snugly to carrier pipe and skids.

GENERAL NOTES:

1. Casing shall be installed by the bore, jack and/or tunnel method.
2. Backfill for casing in open cut shall be in accord with STD-106-L.
3. All steel casing pipe field joints shall be butt welded, full circumference.
4. Skids shall be unfinished rough-sawn redwood.
5. Each end of casing shall be sealed with banded rubber casing seals.
6. Size and thickness of casing shall be as shown in schedule. Thicknesses are minimums. (For long bores or special situations, thicker wall pipe may be required by engineer.)
7. A.C. pipe shall not be placed in casings.
8. Steel pipe shall not be placed in casings.
9. All carrier pipe joints inside the conductor casing shall have restrained or harnessed joints.
10. Manufactured casing spacer skids may be considered as an alternate to wood skids.

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

APPROVED:

RCE NO. 36106

PUBLIC WORKS DIRECTOR

Drawn: M. Elias

Scale: N.T.S.

Date: Jan. 2004

F:\USERS\PBW\Shared\CAD_STD\STD_Details\2003_Sids\STD Water

DRAWING NO.

STD-529-L

CASED WATER MAIN
CROSSINGS