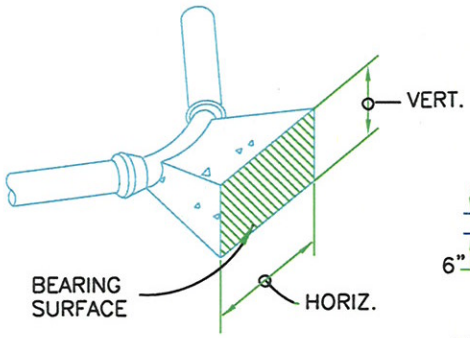
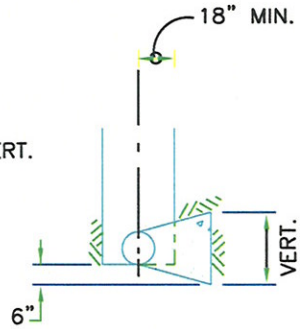
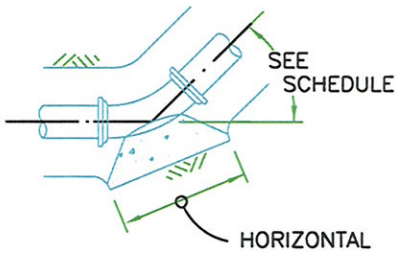


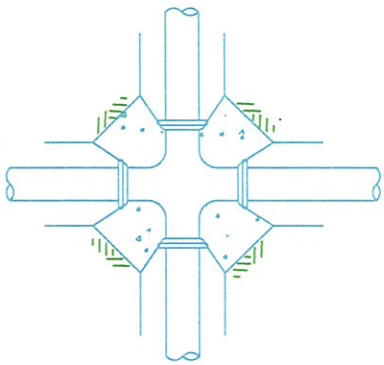
TYPICAL BEARING SURFACE



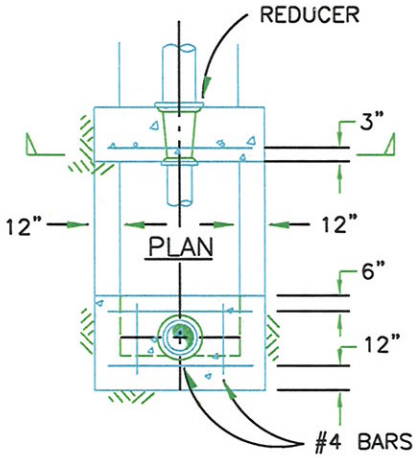
TYPICAL PROFILE



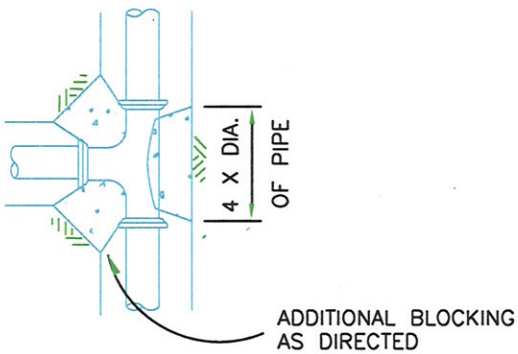
TYPICAL HORIZ. BEND



CROSS
SEE NOTE 3

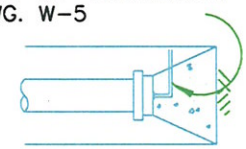


SECTION
REDUCER



TEE OR VALVE

TYPICAL END OF LINE SERVICE OR BLOW OFF INSTALLATION – SEE DWG. W-5



END CAP

HORIZONTAL THRUST BLOCK DETAILS

REVISIONS		
NO.	DATE	APPROVED

CITY OF SAN JUAN CAPISTRANO

APPROVED

WATER SERVICES MANAGER — DATE 1.15.00

STD. NO. W-14

SHEET 1 OF 2

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NOTES

THRUST BLOCK BEARING AREA BASED ON ALLOWABLE SOIL BEARING VALUE OF 1500 PSF AND 225 PSI LINE PRESSURE WITH 3' COVER, MINIMUM.
FOR BEARING = 1000 PSF, 1.5 X AREA SHOWN.
FOR BEARING = 500 PSF 3.0 X AREA SHOWN.

ALL THRUST BLOCKS SHALL BE CLASS "B" CONCRETE AND PLACED AGAINST UNDISTURBED SOIL. DESIGN ENGINER SHALL DETERMINE SIZES NOT SHOWN.

THRUST BLOCKS SHALL BE USED ON CROSSES.

REINFORCING STEEL SHALL CONFORM TO ASTM A15 AND A305.

CONCRETE SHALL NOT EXTEND ONTO FLANGE OR ADJOINING PIPE.

AT ALL FITTINGS ON ACP LINES, A 3'-3" MEE SHALL BE INSTALLED ON EACH SIDE OF THE FITTING.

MINIMUM SIZE OF HORIZONTAL THRUST BLOCK BEARING SURFACE

PIPE	11-1/4° BEND		22-1/2° BEND		45° BEND		90° BEND		TEE		END CAP	
SIZE	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.
4"	1'-6"	0'-9"	1'-6"	0'-9"	1'-6"	1'-0"	2'-3"	1'-3"	1'-6"	1'-0"	1.-6"	1'-6"
6"	2'-6"	1'-0"	2'-6"	1'-0"	3'-6"	1'-6"	4'-6"	2'-3"	4'-0"	2'-0"	2'-0"	2'-0"
8'	3'-0"	1'-6"	3'-0"	1'-6"	4'-3"	2'-3"	5'-6"	3'-0"	5'-0"	2'-6"	4'-6"	1'-6"
10"	3'-9"	1'-9"	3'-9"	1'-9"	5'-0"	2'-9"	7'-0"	3'-6"	5'-6"	3'-3"	4'-6"	2'-6"
12"	4'-3"	2'-3"	4'-3"	2'-3"	5'-6"	3'-6"	8'-3"	4'-0"	7'-0"	3'-6"	5'-3"	3'-0"

HORIZONTAL THRUST BLOCK DETAILS

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