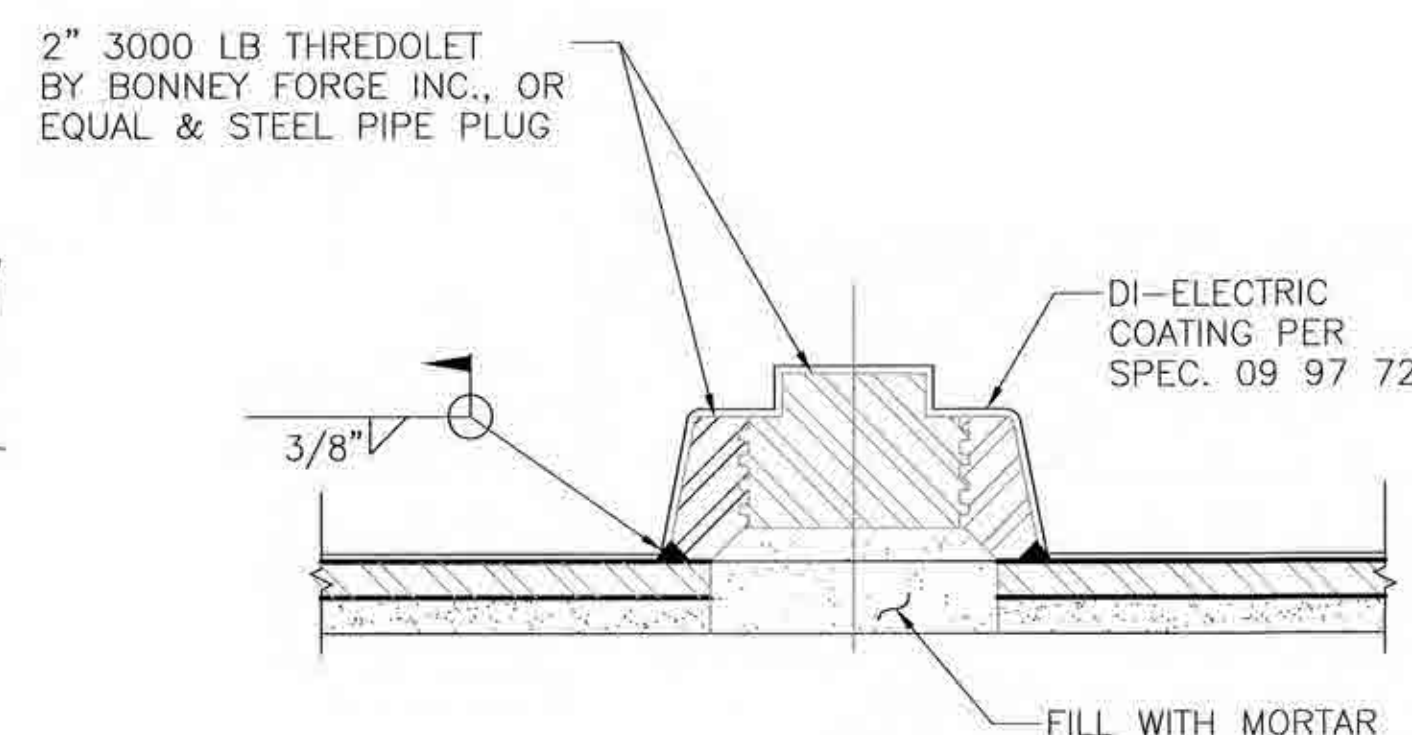
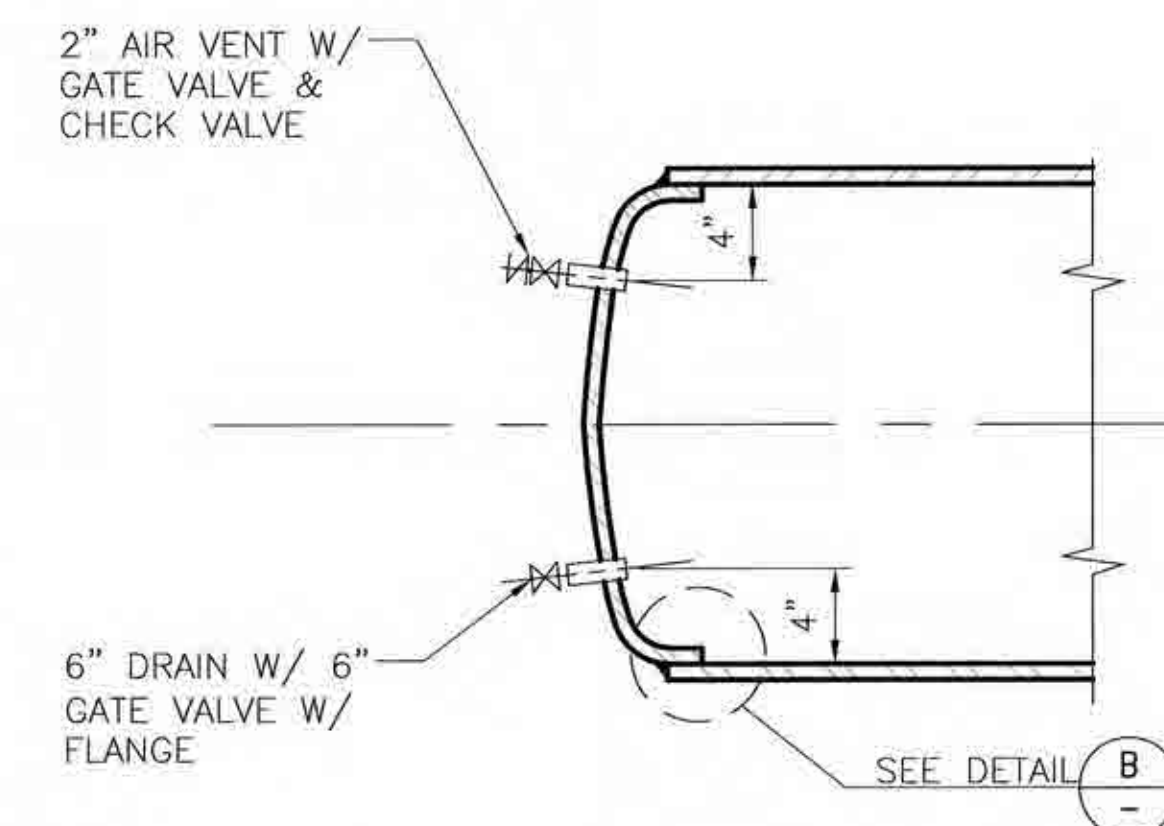


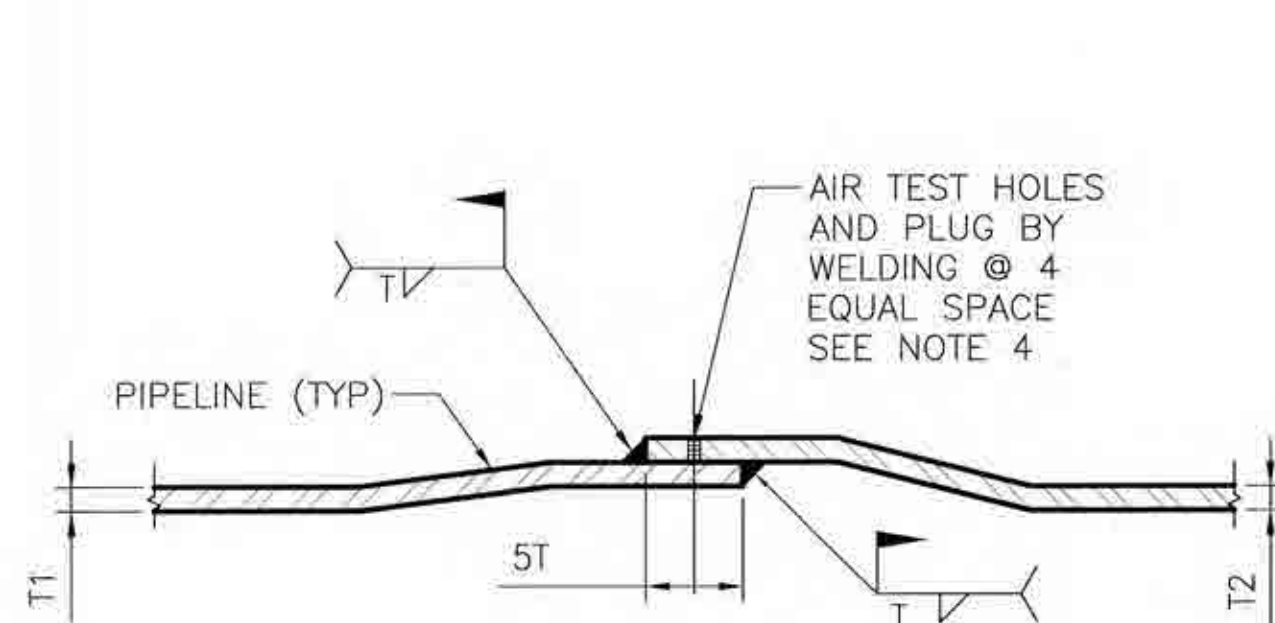
WELDED BELL AND SPIGOT GIRTH JOINT (1)
N.T.S.



2" TEMPORARY OUTLET DETAIL (2)
N.T.S.

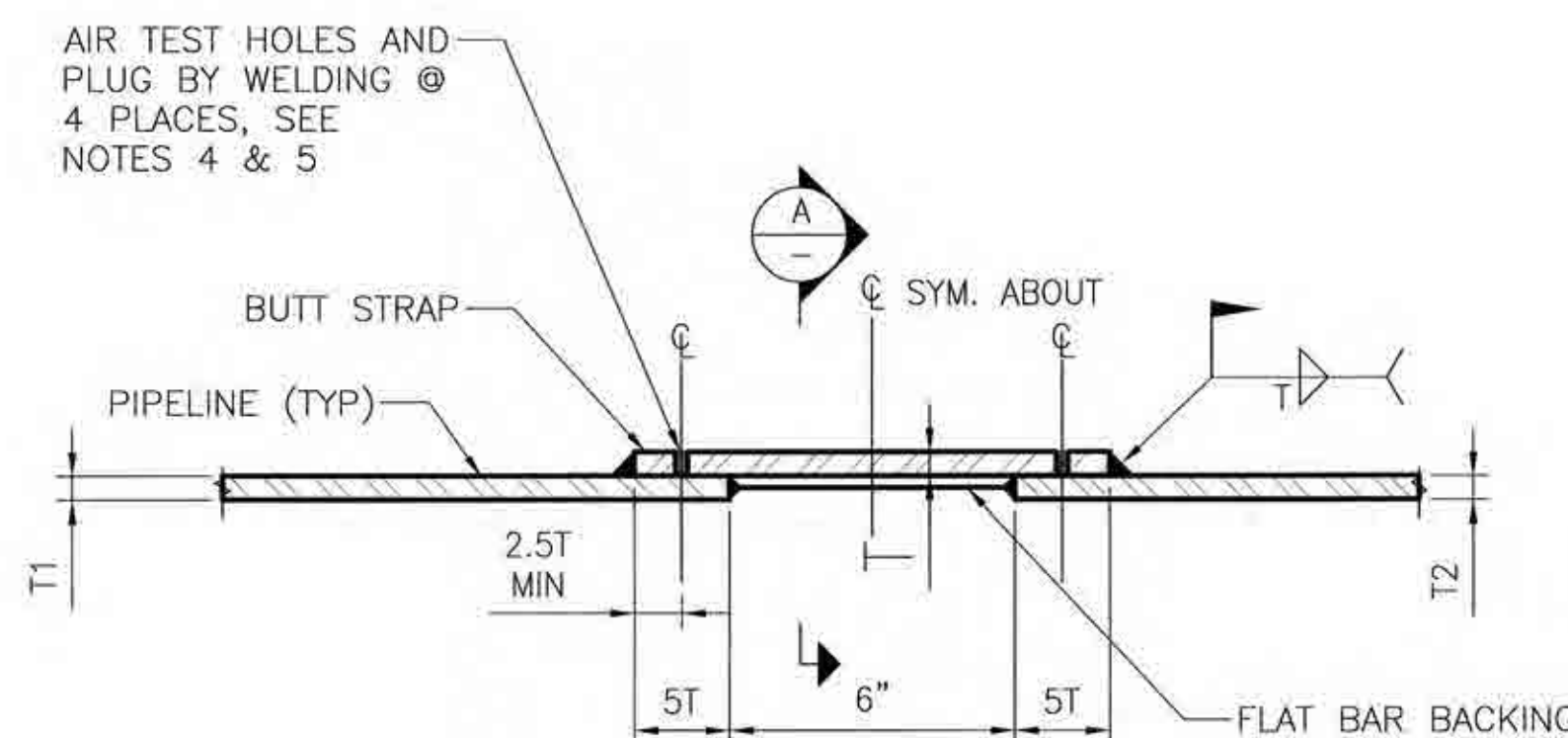


TEST BULKHEAD DETAIL (3)
N.T.S.



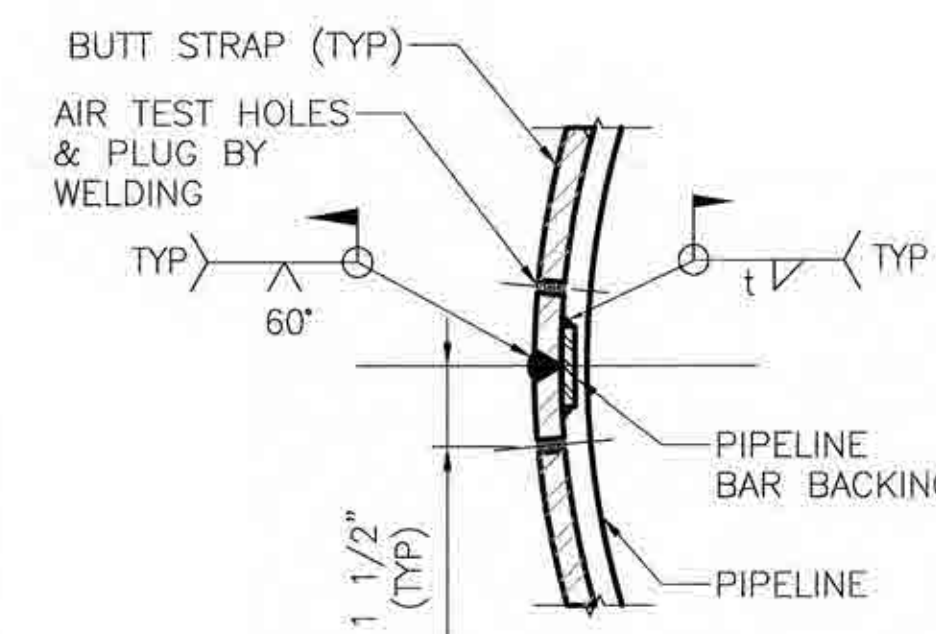
NOTES:
1. T EQUAL TO T1 OR T2 WHICHEVER IS GREATER.

TYPICAL WELDED BELL & SPIGOT JOINT DETAIL (4)
N.T.S.

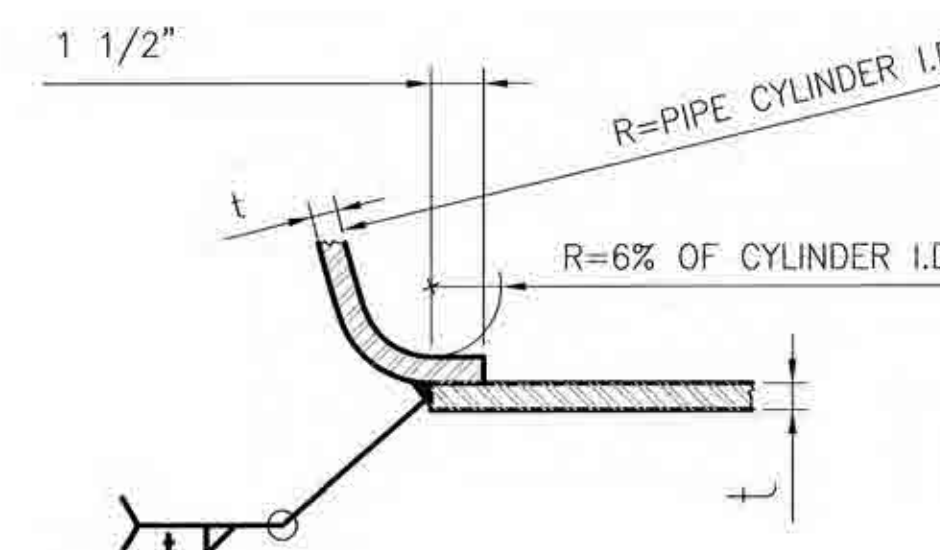


NOTES:
1. T EQUAL TO T1 OR T2 WHICHEVER IS GREATER.

TYPICAL BUTT STRAP DETAIL (5)
N.T.S.



SECTION A
N.T.S.



DETAIL B
N.T.S.

NOTES:

- SEE DRAWINGS AND/OR SPECIFICATIONS FOR PLATE THICKNESS OF PIPES.
- TYPICAL BUTT STRAPS SHALL COME IN TWO-SEMICIRCULAR PIECES FITTED TO PIPE.
- PROVIDE 3/8" x 2" BACKING PLATE AT BUTT STRAP ENDS.
- AIR TEST TO 100psi MINIMUM.
- "T" THICK BUTT STRAPS SHALL BE FABRICATED IN HALVES COMPLETE WITH 8 DRILLED AND TAPPED HOLES FOR STANDARD 1/4" THREADED PIPE. "T" SHALL EQUAL T1 OR T2 WHICHEVER IS THICKER.

FOR THE SOLE USE OF THE DOCUMENT RECIPIENT
- DO NOT CITE, COPY, OR CIRCULATE WITHOUT
THE EXPRESSED PERMISSION OF THE SFPUC.

REFERENCES
GATE BOOK PAGES, PLANS,
SURVEY NOTES, ETC., USED

CCSF 2013
NAVD88



10-26-2018

NO.	DATE	DESCRIPTION	BY	APPR'D

WATER CONTRACT NO. WD-2775
CONTRACT NO. 2652J

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

INSTALLATION OF 16-INCH AND 36-INCH, AND RELOCATION OF
8-INCH DUCTILE IRON WATER MAINS AT VARIOUS LOCATIONS
ON 19TH AVENUE FROM HOLLOWAY AVENUE TO LINCOLN WAY

TYPICAL STEEL PIPE DETAILS

CHECKED / APPROVED SECTION MANAGER APPROVED	DESIGNED RT OCT 2018	AS SHOWN
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MANAGER, ENGINEERING MANAGEMENT BUREAU	MANAGER, CITY DISTRIBUTION DIVISION
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NO. OF . WD-2775-7 E-31375 0

PLOT: EXTEND
SCALE: 1:1
BORDER:
22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.70MM
210 0.60MM