

CONTRACTOR: PIPE CREW

DEVELOPER: CITY WATER CONST

DATE STARTED: 10-2-85

DATE FINISHED: 10-9-85

INSPECTOR: KEN WELCH

JOB: 192

ACCOUNT: 312

DESCRIPTION OF JOB: RELOCATE 12" WATER MAIN AND INSTALL STEEL SLEEVES UNDER PROPOSED RAILROAD RIGHT-OF-WAY ON THE NORTH AND EAST SIDE OF MARTIN DRAKE POWER PLANT.

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MATERIALS USED

90' - 12" DIP  
161' - 8" DIP  
1 - 12" M & H TAPPING VALVE - M & J 12" x 16"  
1 - 6" MUELLER GATE VALVE MJ  
2 - 12" x 45<sup>0</sup> MJ BENDS  
1 - 16" x 8" MJ RED.  
1 - 8" x 6" MJ RED.  
1 - STYLE 39 INSULATING DRESSER COUPLER 12"  
1 - STYLE 39 INSULATING DRESSER COUPLER 6"  
2 - 17# ANODES  
60' - 16" x 3/8" STEEL SLEEVE  
30' - 20" x 3/8" STEEL SLEEVE  
1 TEST STATION  
40' - 3/4" ALLTHREAD TIE BACK ROD  
4 - 4" x 1/4" STEEL PLATES 1" HOLE  
2 - 1" TIE BACK LUGS  
4 - 3/4" COUPLERS  
4 - RUBBER BOOTS FOR SLEEVES  
4 - FIG. 7  
8' - 1" ALLTHREAD TIE BACK ROD  
2 - 6" x 1/4" STEEL PLATES WITH 1/4" HOLE  
1 - 16" STYLE 39 INSULATING COUPLER  
1 - 12" MUELLER GATE VALVE MJ

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NOTE ALL MEASUREMENTS TAKEN FROM NORTH AND EAST PROPERTY LINE MARTIN DRAKE POWER PLANT UNLESS OTHERWISE NOTED.

Set 12" M & H tapping valve #21128 on existing 16" water main with 1/2 yard CTRB. Valve looking west, 33' EWL of Conejos, 60' SNPL

Set 31' 3" of 12" DIP looking west out of valve

Set 12" Mueller Gate valve #21129, 2' WEPL & 60' SNPL

Came out of 12" gate valve with 23" x 12" pup, and set 45<sup>0</sup> x 12" bend and poured 1/2 yd. CTRB - 3' 11" WEPL, 60' SNPL

Set 45' of 12" DIP through 30' x 20" sleeve under proposed railroad track. Installed rubber boots on each end of sleeve. 20" sleeve north end-33' SNPL & 31' WEPL, south end-14' WEPL & 37' SNPL

On the north end of sleeve had 8' of 12" DIP sticking out, and poured 2 yds. reverse anchor on the 12" with two 3/4" tie-back rods on each side of main with steel plates looking northwest

20

2050

Located 12" existing main running east and west - 20½' SNPL and poured 2½ yds. reverse anchor with two ¾" tie back rods with steel plates looking east

Went back out on Conejos-put hole down south side existing 16" lay down valve, 35' SNPL & 33' EWL of Conejos and poured 2 yds. reverse anchor using 1" allthread tie back rods, 2 steel plates & 2 - 1" tie back lugs.

Went back out to north end of steel sleeve and set 7' ½ 12" DIP and set 12" x 45° bend looking northwest, 41' WEPL & 20½' SNPL & tied bend back to reverse anchor already set using 2 figure 7's, two ¾" couplers and ¾" allthread. Came out of 45° bend looking northwest and set 7' ½ 12" DIP tied back into reverse anchor already set with 2 figure 7's, two ¾" couplers and ¾" tie back rod and tied into existing 12" with 12" style 39 insulating coupler, 45' WEPL 20½' SNPL.

Went back out on Conejos and went down on north side 16" lay down valve and removed existing 12" x 16" tee. Removed 16" lay down valve #12752 north of the one left in ground and removed 16" plug SJ and reverse anchor.

Set 16" x 8" small end bell RED. 6' from existing 16" lay down valve looking north, 36½' EWL of Conejos & 24½' SNPL, using 16" style 39 insulating coupler, 38½' EWL of Conejos & 26' SNPL.

Set 160' of 8" DIP 60' of which is through 16" sleeve-south end of 16" sleeve, 38½' EWL of Conejos & 19' NNPL, north end of 16" sleeve 38½' EWL of Conejos & 79' NNPL. Rubber boots set on both ends of sleeve. Came out of north end of sleeve with 21' ½ 8" DIP and set 8" style 39 insulating coupler, 119' NNPL & 3' EWL of Conejos.

Set 8" x 6" RED. small end bell - 120' NNPL & 3' EWL of Conejos

Set 18" x 6" anchor pipe, 121½' NNPL & 3' EWL of Conejos

Set 6" Mueller Gate valve #21130, 122½' NNPL & 3' EWL of Conejos

Came out of 6" gate valve looking north and tied into existing 6" main using 20" x 6" pup with 6" style 39 insulating coupler, 124' NNPL & 3' EWL of Conejos.

Salvaged two 5' pits on northeast corner of power plant and transported to Pinello Ranch. Salvaged one 12" Mueller flanged valve. Salvaged one 16" lay down valve Darling flanged.

Scrapped one 6" gate valve (make unknown). Scrapped and removed from ground 30' ½ 12" CIP and transported to Pinello Ranch.

Also, see As-built