

MAIN LAID BY: Frazee Const

DEVEL: City Water Division

JOB: 751

DATE STARTED: 10/1/73

AFE:

DATE FINISHED: 11/23/73

ACC. #: 343 & 348

INSPECTED BY: Don Reichert & P. Calu

DESCRIPTION: Laying New 16" Water line on Sierra Madre

MATERIALS USED:

3260' 16" American Fastite Pipe
36 18"x18" stepping stones
1 16"-20" reducer
8 16" Eddy valves with 3" by-pass M.J. 150 lbs.
4 16" Darling Valves with 3" by-pass M.J. 150 lbs.
2 11½"x16" bends
1 Style 39 dresser
10 16"x6" anchor tees
2 16"x8" M.J. tees
2 16"x16"x16" M.J. tees
7 6" Clow RO valves
1 6" Eddy OR Valve
1 6" Mueller OR Valve
1 8" clow OR Valve
1 8" M & H OR Valve
2 6"x12" off set bends
3 6"x18" off set bends
1 8"x12" off set bend
1 6"x3' anchor pipe
2 6"x14" anchor pipe
2 6"x24" anchor pipe
2 8"x14" anchor pipe
4 6x45° bends
6 6" style 53 dressers
2 8" style 53 dressers
2 10" style 53 dressers
1 8"x6" reducer M.J.
2 6"x4" reducer M.J.
2 16"x10" reducers M.J.
7½' 10" CIP pipe
140' 30" steel pipe
40' 6" CIP pipe
11' 8" CIP pipe
16 48" box bottoms
36 26" box tops & lids
10 24" box extention
13 36" box bottoms
2 2"rolls of scotchwrap
5 4" rolls of scotchwrap
3 6" rolls of scotchwrap
500 paper bags
1 20" style 38 dresser
7 5¼"x60" valve box bottom
50 wood wedges
1 6" style 38 dresser

11/20

RETIRED/JUNKED:

3200' old 6" pipe retired and left in ground
4 6" valves

NARRATIVE:

City Water Dept. Job # 751-343 & 348. W.D.I.D. 150-73

Used 20" style 38 dresser to tie reducer to existing 20" main. Started 16" new water line on Sierra Madre St. at Colo. Ave. on 10/1/73 by removing 6"x20" reducer and large concrete anchor that was poured around 6"x20" reducer and a 6x 45° bend and poured a reverse anchor north of Hyd 2-D tee and tied to hyd tee with 3/4 all-thread rods. Then set 16x20" reverse set at:
13' SSL of Colo. Ave.
17½' WEL of Sierra Madre St.

Then started laying 16" American Fastite pipe to the alley south of Colo. Ave and set a 16"x6" Anchor tee
7½' SNL of alley south of Colo. Ave
26" WEL of Sierra Madre St.

Then set a 6" OR Clow valve # 12883; M 38 A closing east in alley south of Colorado Ave. set valve 12883 at:
24½' WEL of Sierra Madre St.
7½' SNL of alley

out of 6" valve 12883 to make tie in at alley south of Colo. Ave. Set a 6"x3" anchor pipe and a 6"x12" off set bend vertical looking east in alley. Set bend at 21' WEL of Sierra Madre and 7½' SNL of alley then set 10' of 6" CIP to the east and set 6"x18" off set bend horiz. to the south & east set at:
8" WEL of Sierra Madre St.
8½' SNL of alley S of Colo. Ave.

At this point we retired 3" water line going west to the west side of D & R G and cut 3" and set a 1" BOV a 1' Wheel valve # 12789 set blow off at
22' W of west rail
11½' W of ROW
6½' SNL of alley by gas shop

Then laid 16" to the south to a fire Hyd 128 D anchor tee and on south to alley south of Cucharras St. and set 6x16" anchor tee at:
35½' WEL of Sierra Madre St.
4½' WNL of alley south of Cucharras St.

Then set 6" Mueller OR Valve 12884; M 38 A and closing east in alley set at:
34' WEL of Sierra Madre St.
4½' SNL of alley

then to make the tie in out of 6" Valve 12884 set 6"x12" anchor pipe and a 45° bend looking up or vertical set at:
31½' WEL of Sierra Madre St.
4½' SNL of alley south of Cucharras St.

Then set a 6x24" anchor pipe and a 45° bend at top looking east and vertical set
26½' WEL of Sierra Madre St.
4½' SNL of Alley

Then set 8½' of 6" CIP and a style 52 dresser at
4½' SNL of alley
21' WEL of Sierra Madre St.

Then out of 6x16" tee set 30" pup south and set 16" Eddy OR Valve 12885; M 38 A with 3" by-pass 12886 set 3" by-pass to the east at
9½' SNL of alley south of Cucharras St.
34½' WEL of Sierra Madre St.

and set main gate of 16" valve 12885 to the west at:
39' WEL of Sierra Madre St.
9½' SNL of alley

Then laid 16" pipe south to 30" sleeve then laid 140' of 30" sleeve set north end of 30" sleeve at:

29' SNL of alley south of Cucharras St.
35½' WEL of Sierra Madre St.

and south end of 30" is set at 42' NNL of Vermijo Ave and then pushed 16" line through 30" sleeve and made the tie to other 16" then laid 16" on south to Vermijo St. and set 16" Darling Valve^{OR} 12887; M 38 A with 3" by-pass 12888 to the east at

31' WEL of Sierra Madre St.
23' SNL of Vermijo St.

a main gate of 16" OR Valve 12887 closing north and south

37' WEL of Sierra Madre St.
23' SNL of Vermijo St.

then stub out of 16" valve south with 30" pup and set a 6x16" anchor tee at:

27½' SNL of Vermijo St.
33½' WEL of Sierra Madre St.

and set 6" Clow OR Valve 12889; M 38 A closing east on Vermijo st. Set 6" valve at:

30½' WEL of Sierra Madre St.
27½' SNL of Vermijo St.

then out of 6" Valve 12889 set 6x24 anchor pipe and 6" 45° bend horiz:

28' WEL of Sierra Madre St.
26' SNL of Vermijo St.

then set 3½' of 6" CIP pipe and 6"x45° bend horiz at:

25' WEL of Sierra Madre St.
29' SNL of Vermijo St.

to make the tie in. Then out of 16"x6" tee south. Set 30" pup and set 16" Darling OR Valve 12890; M 38 A closing south and north set 3" by-pass 12891 to the east at:

31' WEL of Sierra Madre St.
32' SNL of Vermijo St.

and main gate Valve 12890 to the west at:

37' WEL of Sierra Madre St.
32' SNL of Vermijo St.

Then laid 16" south to Costilla St. and set 16"x8" M.J. tee at

51' SNL of Costilla St.
33' WEL of Sierra Madre St.

then set 8"x12" anchor pipe and 8" Clow OR Valve 12892; M 38 A and closing east on Costilla St. set 8" valve # 12892 at:

30½' WEL of Sierra Madre St.

51' SNL of Costilla St.

Then set 11' of 8" CIP and a 8x6 spick end reducer and 8" style 52 dresser at 19½' WEL of Sierra Madre St. and 7' of 6" CIP out of reducer and a 6" style 52 dresser at

11' WEL of Sierra Madre St.
51' SNL of Costilla St.

Then stubbed out of 16" tee to the south with 30" pup and set 16" Darling Valve 12893; M 38 A with a 3" by-pass 12894 OR and closing north and south on Sierra Madre St. Set 3" by-pass 12894 to the east at:

53½' SNL of Costilla St.
31' WEL of Sierra Madre St.

and set main gate Valve 12893 to the west at

55½' SNL of Costilla St.
36½' WEL of Sierra Madre St.

Then laid 16" south to Cimarron St. and set 16x6" anchor tee at:
47' SNL of Cimarron St.
32' WEL of Sierra Madre St.
then set 6" Clow OR Valve 12895 ; M 38 A east on Cimarron set 6" Valve at:
30½' WEL of Sierra Madre St.
47' SNL of Cimarron St.

The set 3' of 6" CIP and 6" style 52 dresser at:
3' east of 6" Clow Valve OR
27' WEL of Sierra madre St.
47' SNL of Cimarron St.

Then stubed out a 30" pup to the south and set a 16" Eddy Valve 12896;
M 38 A with 3" by-pass 12897 OR and closes north and south. Set 3"
by-pass 12897 to the east at:
50½' SNL of Cimarron St.
30½' WEL of Sierra Madre St.

Set main gate Valve 12896 to the west at:
50½' SNL of Cimarron St
36' WEL of Sierra Madre St.

Then laid 16" south to a 6x16" anchor tee and 6" Clow OR valve for Hyd 129-D
and used 2½' of 6" CIP pipe and a 6" style 52 dresser to make the tie into
Hyd 129 D then laid 16" south to a 6"x16" anchor tee at

33½' south of fire Hyd 129 D
32' WEL of Sierra Madre St.

Then set 6" Clow OR Valve 12898; M 38 C closing fire line to Denver
Equipment. Set 6" valve 12898 at:

33½' south of Hyd 129 D
23½' WEL of Sierra Madre St.
22' W of Hyd 129 D

and used 3' of 6" CIP pipe and a 6" style 52 dresser at:

20½' WEL of Sierra Madre St
33½' S of Hyd 129 D

then laid 16" south to a 6'x16" anchor tee at

86½' S of Hyd 129 D
23½' W of Hyd 129 D
32' WEL of Sierra Madre St

Set 6" Clow OR valve 12899; M 38 C closing 4" service to Denver Equipment
Set valve 12899 at:

30' WEL of Sierra Madre St
86½' S of Hyd 129 D

then used a 6x4" spigot end reducer and a 15" piece of 4" CIP pipe to
make the tie in.

Then laid 16" on south to a Hyd 130 D 6x16" anchor tee and on south to a
16" Eddy OR and closing north & south Valve 12900; M 38 C with 3" by-pass
12901 set to the east at:

31½' WEL of Sierra Madre
44' NSL of Moreno Ave

and set main valve gate 12900 to the west at:

36' WEL of Sierra Madre St
44' NSL of Moreno Ave

then set 30' pup out of 16" valve to the south and set 16"x16"x16" M.J. tee
at:

39½' NSL of Moreno Ave
32½' WEL of Sierra Madre St

Then set 30" pup out of 16" tee looking to the west on Moreno Ave and set a 16" Eddy Valve 12902; M 38 C with 3" by-pass 12930 closing west on Moreno Ave. Set 3" by-pass 12903 to the north at:

42' NSL of Moreno Ave
37' WEL of Sierra Madre St.

and main gate Valve 12902 set to the south at

37' NSL of Moreno Ave
37' WEL of Sierra Madre St

Then laid 16" south out of 16" tee to a 16"x16" anchor tee set at

26½' NSL of Moreno Ave
32½' WEL of Sierra Madre St

then set 6" Eddy OR Valve 12904; M 38 C and closing east on Moreno Ave set at:

31½' WEL of Sierra Madre St
26½' NSL of Moreno Ave

Then out of 6" valve 12904 set 6x12" anchor pipe and 6x18" off set bend and 6" style 52 dresser to make the tie in at

29' WEL of Sierra Madre St
26½' NSL of Moreno Ave

Then set 30" pup to the south and set a 16" Eddy Valve 12905; M 38 C with 3" by-pass 12906 to the west at

34½' WEL of Sierra Madre St
22½' NSL of Moreno Ave

and set main gate Valve 12905 to the east at

29½' WEL of Sierra Madre St
22½' NSL of Moreno Ave Then laid 16" south to Rio Grande St.

To a 16"x16" anchor tee for fire Hyd 131 D and laid south to a 16" Eddy OR Valve 12907; M 38 C with 3" by-pass 12908 to the west and valve closing north on Sierra Madre St. Set by-pass at

30½' WEL of Sierra Madre St
19½' SNL of Rio Grande St

and set main Gate Valve 12907 to the east at

19½' SNL of Rio Grande St
24½' WEL of Sierra Madre St

Then set short piece of 16" pipe to the south and set 16"x16"x16" MJ tee at

26' SNL of Rio Grande St
29' WEL of Sierra Madre St

Then out of 16" tee looking east set 30" pup and 16" Eddy OR valve 12909 M 38 C with 3" bypass 12910. Set by-pass to the south closing east on Rio Grande St. Set by-pass 12910 at

28' SNL of Rio Grande St
23½' WEL of Sierra Madre St

Then set main Gate Valve 12909 at the north at

22½' SNL of Rio Grande St
23½' WEL of Sierra Madre St

Then set 16"x30" pup out of 16" valve 12909 looking east and 16"x10" reducer at

20' WEL of Sierra Madre St
26' SNL of Rio Grande St

and a short piece of 10" pipe and a 10" style 52 dresser 1½' E of reducer to make the tie in on the east end then looking west out of 16" tee, set a 16"x24" pup and 16" Eddy OR Valve 12911; M 38 C with 3" by-pass 12912 closing west on Rio Grande St. Set 3" by-pass 12912 to the south at

28' SNL of Rio Grande St
32½' WEL of Sierra Madre St

and set main gate Valve 12911 to the north at
32½' WEL of Sierra Madre St
22½' SNL of Rio Grande St
out of 16" Valve 12911 set 30" pup and 16"x10" MJ reducer at
36' WEL of Sierra Madre St
26' SNL of Rio Grande St.
Then set 4½" of 10" CIP and a 10" style 52 dresser at
40½' WEL of Sierra Madre St
26' SNL of Rio Grande St.
This makes tie into the west end on Rio Grande St.

Then moved back to Moreno Ave and out of 16" Valve 12902 looking west
of Moreno Ave. Laid to 16"x6" anchor tee set 16" tee at:
107' WWL of Sierra Madre St
41' NSL of Moreno St
and set 6" Clow OR Valve 12913; M 38 C closing south in alley west of
Sierra Madre St. Set 6" valve 12913 at:
39½' NSL of Moreno Ave
107' WWL of Sierra Madre St
and out of 6" used 15' of 6" CIP and set 6"x12" off set bend and short
piece of 6" pipe and 6x4 reducer set bend and reducer at
22½' NSL of Moreno St
107' WWL of Sierra Madre St
to make the tie in at alley. Then laid 16" on west to a 16"x8" MJ
tee looking north for 8" fire line to Denver Equipment Co. Set tee at:
149' WWL of Sierra Madre St
41' NSL of Moreno Ave
Out of tee set 8x12 anchor pipe and set 8" M&H OR Valve 12914; M 38 C
closing fire line to Denver Equipment. Set 8" valve 12915 at:
149' WWL of Sierra Madre St
44½' NSL of Moreno Ave.
Out of 8" valve 12914 set 8x14" off set bend to make the tie in. Then
laid 16" west to a 16"x.6" anchor tee looking south on Baltic St. Set
tee at:
41' NSL of Moreno St
23' WEL of Baltic St
and set 6" clow OR Valve 12915; M 38 C closing south on Baltic St.
Set 6" Valve 12915 at
40' NSL of Moreno Ave
23' WEL of Baltic St
out of 6" valve 12915 used 3' of 6" CIP and a 6"x18" off set bend to make
the tie in. Set off bend at
23' WEL of Moreno St
6' S of 6" valve of 16" line
and set 6" style 52 dresser at 3' south of 6" valve 12915 off 16" line.
Then set 30" pup west out of 16" tee and set 16" Darling OR Valve 12916;
M 38 C closing east and west on Moreno St. Set 3" by-pass 12917 to the
north at
43½' NSL of Moreno Ave
27' WEL of Baltic St
and main Gate Valve 12916 to the south at
27' WEL of Baltic St
38' NSL of Moreno Ave
and laid 16" west on Moreno to a 16" style 39 dresser. Set dresser at
120' WWL of Baltic St
41' NSL of Moreno St
then went to end of 16" out of sleeve at RR on Moreno St and set 16"x11¼"
bend horiz set at
27' NSL of Moreno St
172' WEL of Baltic St

and laid 16" back to a 16"x11^{1/4}" bend horiz set at
126' WEL of Baltic St
41' NSL of Moreno St
and a 6' piece of 16" pipe to dresser to make the tie in.

All tees and bends and off set bends have anchors poured in back of them.

Removed all 6" valves and 4" valves, 6" tees and 4" tees at all tie ins .

I have removed these valves:

	#	787	
	#	2351	
	#	876	
	#	903	
	#	931	
	#	8468	
	#	8221	
	#	10622	
	#	1000	
	#	999	
	#	6793	
	#	6961	
	#	6960	
	#	6959	
	#	1057	
	#	6962	
	#	6963	
6"	#	10621 left in ground	
6"	#	8197 left in ground	but retired
6"	#	8078 left in ground	
6"	#	11824 left in ground	

All 6" line lift in ground from Colo. Ave to Rio Grande St and from
Sierra Madre St west on Moreno St to Baltic St.

Removed Hyd 7 D and replaced with new one

Removed Hyd 22 D and replaced with new one in new location on same corner

Removed Hyd 120 D and replaced with new Hyd