THE CORNERSTONE FIRST ADD.
WATER DISTRIBUTION PLANS
PRO. # PPW1178
LINE 1 PHASE 1

CURVE TABLE

△= 18°15'43" R = 324.00' T = 52.08' L = 103.27' LC = 102.83'

CURVE DATA BASED ON WATERLINE △/2 = 09°07'52"

STATION	ARC	CHORD LENGTH 6"LT Offset	CHORD LENGTH 6"RT Offset	DEFLECTION	TOTAL DEFLECTION
21+64.43	–	–	–	00°00'00"	00°00'00"
21+75.00	10.57'	–	10.37'	00°56'05"	00°56'05"
22+00.00	25.00'	–	24.53'	02°12'58"	03°08'42"
22+18.63	18.63'	–	18.48'	01°39'54"	04°48'36"
22+25.00	6.17'	–	6.08'	00°32'44"	05°21'20"
22+50.00	25.00'	–	24.53'	02°12'38"	07°33'58"
22+67.70	17.70'	–	17.37'	01°33'54"	09°07'51"
				Def/Ft = 5.30516 Min.	

STA. 24+62.40, LINE 1=
BL#1 STA. 24+63.06, 27' LT.
1–12" DIMJ 45° BEND

Used 22.5° and 11.25° Bends in place of 45° Bend to stay on alignment

260.91' OF 12" PIPE

STA. 27+23.31, LINE 1=
BL#1 STA. 27+07.04, 27' LT.
1–12"x8" DIMJ TEE
1–8" ANCH. VALVE ASSY.
(MJ GATE VALVE)
VALVE BOX EL=1350.2
5' OF 8" DICL PIPE (NW)
1–8" DIMJ CAP (NW)

See Revisions Made on Sheet 4A for Details

105.81' OF 12" PIPE

243.77' OF 12" PIPE

54.20' OF 12" PIPE

STA. 22+18.63, LINE 1=
BL#1 STA. 22+19.98, 27' RT.
1–12"x8" DIMJ TEE
1–12" BF VALVE ASSY.(S)
1–8" VALVE ASSY.(W)
(MJ GATE VALVE)
VALVE BOX EL=1350.9

CURVE TABLE

△= 48°14'57" R = 378.00' T = 173.26' L = 324.91' LC = 315.00'

CURVE DATA BASED ON WATERLINE △/2 = 24°37'29"

STATION	ARC	CHORD LENGTH 6"LT Offset	CHORD LENGTH 6"RT Offset	DEFLECTION	TOTAL DEFLECTION
24+62.40	–	–	–	00°00'00"	00°00'00"
24+75.00	12.60'	12.80'	–	00°57'18"	00°57'18"
25+00.00	25.00'	25.39'	–	01°53'41"	02°50'59"
25+25.00	25.00'	25.39'	–	01°53'41"	04°44'40"
25+50.00	25.00'	25.39'	–	01°53'41"	06°38'21"
25+75.00	25.00'	25.39'	–	01°53'41"	08°32'01"
26+00.00	25.00'	25.39'	–	01°53'41"	10°25'42"
26+25.00	25.00'	25.39'	–	01°53'41"	12°19'23"
26+50.00	25.00'	25.39'	–	01°53'41"	14°13'04"
26+75.00	25.00'	25.39'	–	01°53'41"	16°06'45"
27+00.00	25.00'	25.39'	–	01°53'41"	18°00'26"
27+25.00	25.00'	25.39'	–	01°53'41"	19°54'07"
27+50.00	25.00'	25.39'	–	01°53'41"	21°47'48"
27+75.00	25.00'	25.39'	–	01°53'41"	23°41'29"
27+85.48	10.48'	12.51'	–	00°56'00"	24°37'28"
				Def/Ft = 4.54728 Min.	

8" Valve Located:
- 68'E. of Hydrant

12" Valve Located:
- 2'E. and 2.5'S. of 8" Valve

CURVE TABLE

△= 38°56'13" R = 622.00' T = 219.88' L = 422.70' LC = 414.61'

CURVE DATA BASED ON WATERLINE △/2 = 19°28'06"

STATION	ARC	CHORD LENGTH 6"LT Offset	CHORD LENGTH 6"RT Offset	DEFLECTION	TOTAL DEFLECTION
27+85.48	–	–	–	00°00'00"	00°00'00"
28+00.00	14.52'	14.38'	–	00°40'08"	00°40'08"
28+25.00	25.00'	24.76'	–	01°09'05"	01°49'13"
28+29.12	4.12'	4.08'	–	00°11'23"	02°00'36"
28+50.00	20.88'	20.88'	–	00°57'42"	02°58'18"
28+75.00	25.00'	24.76'	–	01°09'05"	04°07'23"
29+00.00	25.00'	24.76'	–	01°09'05"	05°16'28"
29+25.00	25.00'	24.76'	–	01°09'05"	06°25'33"
29+50.00	25.00'	24.76'	–	01°09'05"	07°34'39"
29+75.00	25.00'	24.76'	–	01°09'05"	08°43'44"
30+00.00	25.00'	24.76'	–	01°09'05"	09°52'45"
30+25.00	25.00'	24.76'	–	01°09'05"	11°01'54"
30+50.00	25.00'	24.76'	–	01°09'05"	12°10'55"
30+75.00	25.00'	24.76'	–	01°09'05"	13°20'05"
31+00.00	25.00'	24.76'	–	01°09'05"	14°29'10"
31+25.00	25.00'	24.76'	–	01°09'05"	15°38'15"
31+28.43	3.43'	3.40'	–	00°09'29"	15°47'44"
31+46.04	17.61'	17.44'	–	00°48'40"	16°36'24"
31+50.00	3.98'	3.92'	–	00°10'57"	16°47'20"
31+75.00	25.00'	24.76'	–	01°09'05"	17°56'25"
32+00.00	25.00'	24.76'	–	01°09'05"	19°05'31"
32+08.18	8.18'	8.10'	–	00°22'38"	19°28'06"
				Def/Ft = 2.70348 Min.	

STA. 28+29.12, LINE 1=
BL#1 STA. 28+10.30, 27' LT.
1–FIRE HYDT. ASSY.
L=5.0'

Valve Located:
- 3' N. of Fire Hydrant

299.31' OF 12" PIPE

STA. 31+28.43, LINE 1=
BL#1 STA. 31+22.61, 27' LT.
1–12"x8" DIMJ TEE
1–8" ANCH. VALVE ASSY. (NW)
(MJ GATE VALVE)
VALVE BOX EL=1350.4
5.0' OF 8" DICL PIPE (NW)
1–8" DIMJ CAP

Valve Located:
- 18' S.W. of Fire Hydrant Along WL Then 9' N.W.

17.61' OF 12" PIPE

STA. 31+46.04, LINE 1=
BL#1 STA. 30+40.98, 27' LT.
1–FIRE HYDT. ASSY.
L=5.0'

Valve Located:
- 3' N.W. of Fire Hydrant

157.39' OF 12" PIPE

STA. 33+03.43=
BL STA. 33+01.06
MATCH LINE

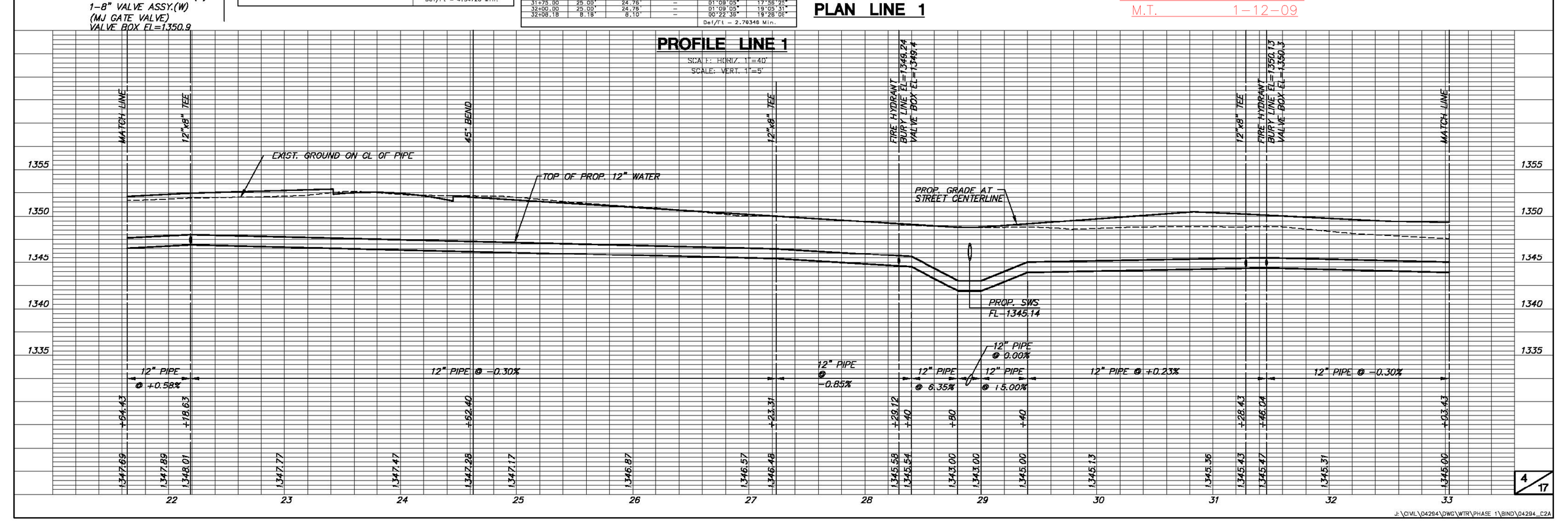
PLAN LINE 1

RECORD DRAWING
M.T. 1–12–09

SCALE: 1"= 40'
0 20 40 80

PROFILE LINE 1

SCALE: HORIZ. 1"=40'
SCALE: VERT. 1"=5'



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