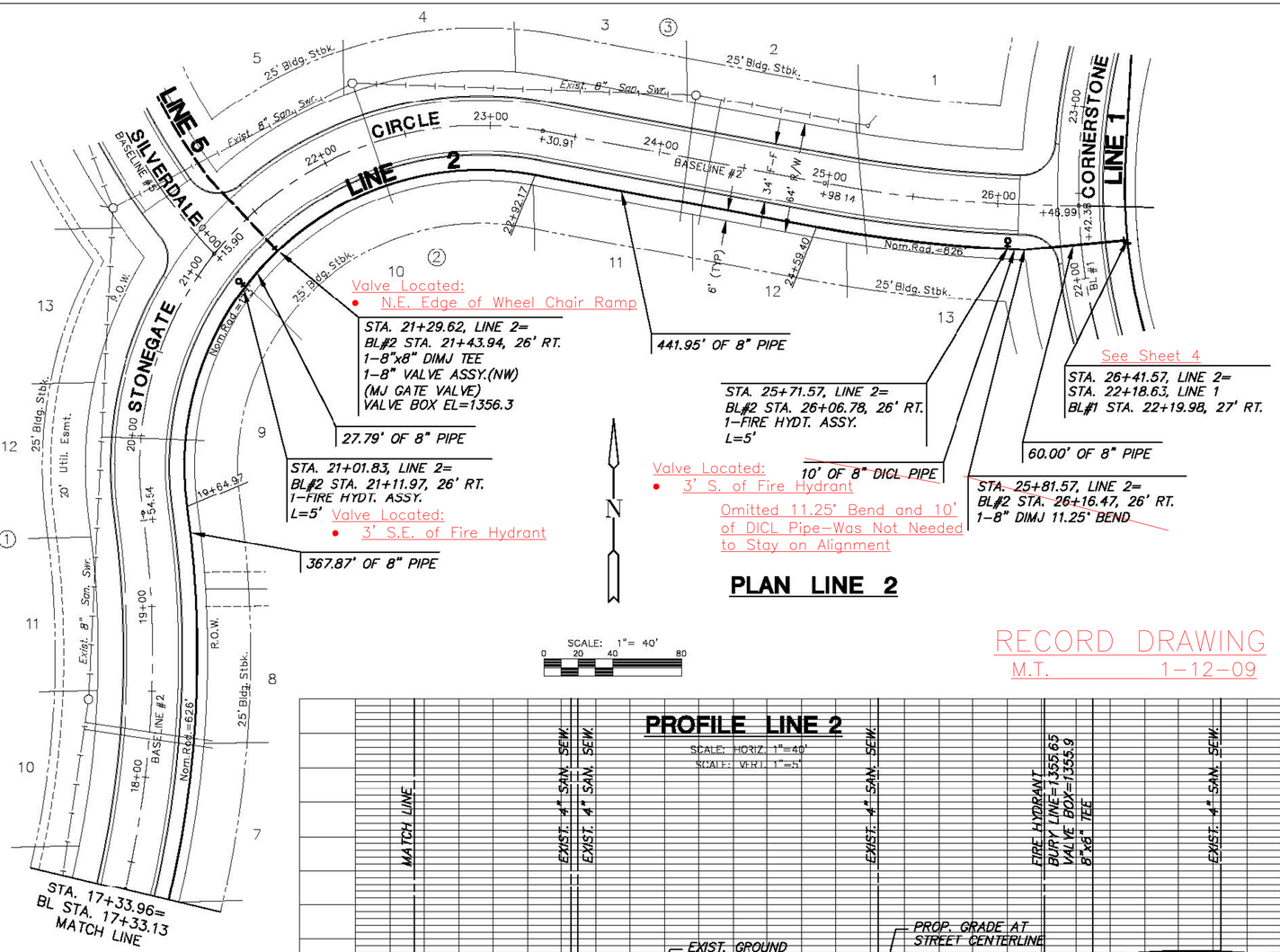
THE CORNERSTONE FIRST ADD.
WATER DISTRIBUTION PLANS
PRO. # PPW1178
LINE 2 PHASE 1



PLAN LINE 2

SCALE: 1"= 40'
0 20 40 80

RECORD DRAWING
M.T. 1-12-09

CURVE TABLE

△= 21°08'36" R = 626.00' T = 116.83' L = 231.01' LC = 229.70'

CURVE DATA BASED ON WATERLINE △ /2 = 10°34'18"

STATION	ARC	CHORD LENGTH 6'LT Offset	CHORD LENGTH 6'RT Offset	DEFLECTION	TOTAL DEFLECTION
15+32.00	–	–	–	00°00'00"	00°00'00"
17+33.96	201.96'	–	203.01'	09°14'33"	09°14'33"
17+50.00	16.04'	–	16.19'	00°44'03"	09°58'35"
17+75.00	25.00'	–	25.24'	01°08'39"	11°07'14"
18+00.00	25.00'	–	25.24'	01°08'39"	12°15'53"
18+25.00	25.00'	–	25.24'	01°08'39"	13°24'31"
18+50.00	25.00'	–	25.24'	01°08'39"	14°33'10"
18+75.00	25.00'	–	25.24'	01°08'39"	15°41'49"
19+00.00	25.00'	–	25.24'	01°08'39"	16°50'27"
19+25.00	25.00'	–	25.24'	01°08'39"	17°59'06"
19+50.00	25.00'	–	25.24'	01°08'39"	19°07'45"
19+64.97	14.97'	–	15.11'	00°41'06"	19°48'51"
				Def/Ft = 2.74580 Min.	

△=108°21'47" R = 173.00' T = 239.71' L = 327.19' LC = 280.56'

CURVE DATA BASED ON WATERLINE △ /2 = 54°10'54"

STATION	ARC	CHORD LENGTH 6'LT Offset	CHORD LENGTH 6'RT Offset	DEFLECTION	TOTAL DEFLECTION
19+64.97	–	–	–	00°00'00"	00°00'00"
19+75.00	10.03'	–	9.68'	01°39'39"	01°39'39"
20+00.00	25.00'	–	24.11'	04°08'24"	05°48'03"
20+25.00	25.00'	–	24.11'	04°08'24"	09°56'26"
20+50.00	25.00'	–	24.11'	04°08'24"	14°04'50"
20+75.00	25.00'	–	24.11'	04°08'24"	18°13'13"
21+00.00	25.00'	–	24.11'	04°08'24"	22°21'37"
21+01.83	1.83'	–	1.77'	00°18'11"	22°39'48"
21+25.00	23.17'	–	22.35'	03°50'13"	26°30'00"
21+29.62	4.62'	–	4.46'	00°45'54"	27°15'55"
21+50.00	20.38'	–	19.66'	03°22'28"	30°38'24"
21+75.00	25.00'	–	24.11'	04°08'24"	34°46'48"
22+00.00	25.00'	–	24.11'	04°08'24"	38°55'11"
22+25.00	25.00'	–	24.11'	04°08'24"	43°03'35"
22+50.00	25.00'	–	24.11'	04°08'24"	47°11'58"
22+75.00	25.00'	–	24.11'	04°08'24"	51°20'22"
22+92.16	17.16'	–	16.56'	02°50'32"	54°10'54"
				Def/Ft = 9.95588 Min.	

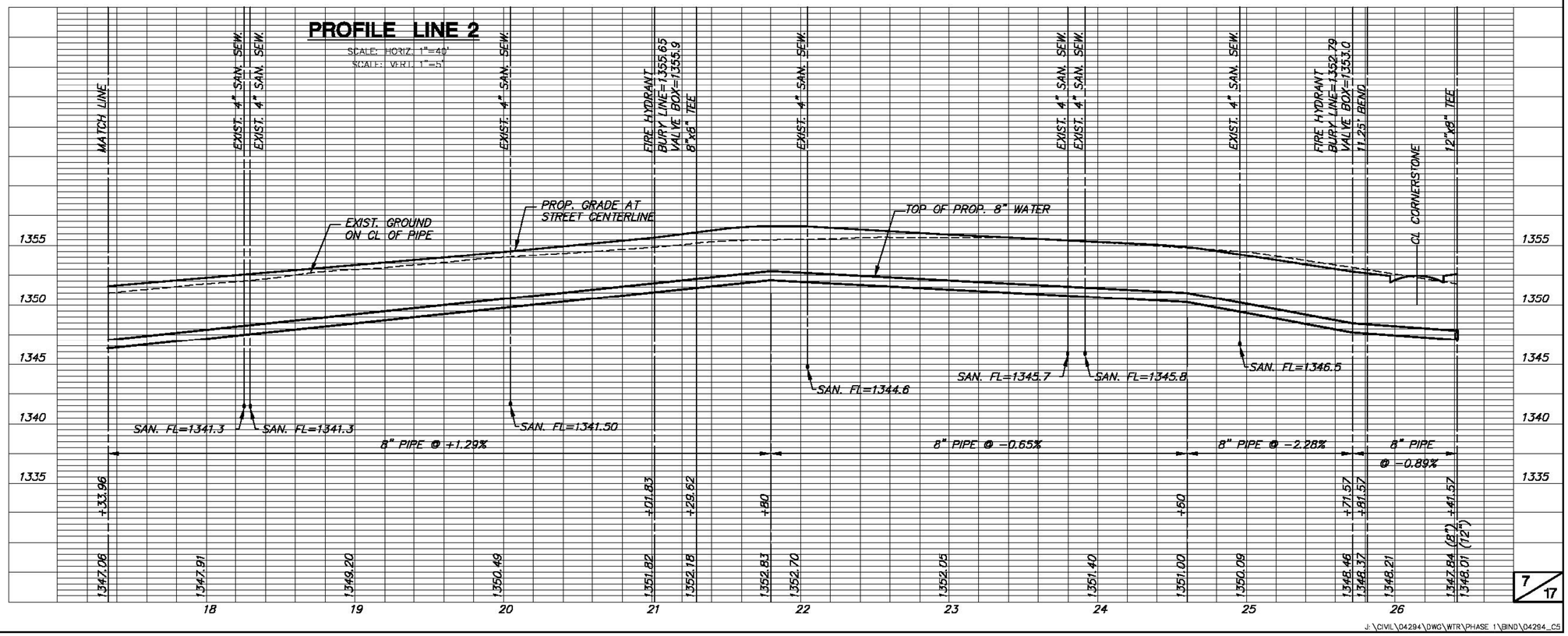
△= 08°28'28" R = 826.00' T = 61.20' L = 122.17' LC = 122.06'

CURVE DATA BASED ON WATERLINE △ /2 = 04°14'14"

STATION	ARC	CHORD LENGTH 6'LT Offset	CHORD LENGTH 6'RT Offset	DEFLECTION	TOTAL DEFLECTION
24+59.40	–	–	–	00°00'00"	00°00'00"
24+75.00	15.60'	–	15.71'	00°32'28"	00°32'28"
25+00.00	25.00'	–	25.18'	00°52'01"	01°24'29"
25+25.00	25.00'	–	25.18'	00°52'01"	02°16'31"
25+50.00	25.00'	–	25.18'	00°52'01"	03°08'32"
25+71.57	21.57'	–	21.73'	00°44'53"	03°53'25"
25+75.00	3.43'	–	3.45'	00°07'08"	04°00'34"
25+81.57	6.57'	–	6.62'	00°13'40"	04°14'14"
				Def/Ft = 2.08096 Min.	

PROFILE LINE 2

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



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