

BENCHMARKS:

City of Wichita Benchmark
Disk 32.6' N and 24.5' E
of Intersection of 135th St. W.
and Central. 39.5' NE of Iron at
Section Corner.
Elev. = 159.35 (City Datum)

"□" Cut Rear Center of Inlet Top
Adjacent to SE Corner, Lot 19,
Block C, Highland Springs 2nd
Addition.
Elev. = 175.35 (City Datum)

"□" Cut Top of Curb Adjacent to
SE Corner, Lot 21, Block D,
Highland Springs 2nd Addition.
Elev. = 176.54 (City Datum)

Install 58 L.F. Silt Fence
sediment barrier as shown.
(See detail sheet 15).

Sta. 0-20.20, Begin
Construction of 5" A.C.
Pvm't W/5" Reinforced
Rock Base.

Sta. 0-22
Install End of Road Markers
(Red) as Shown from Sta.
6+09.20 (Sheet 12).
To be incidental to "Site
Clearing & Restoration".
(See Detail, Sheet 5)

Const. Sediment Barriers.
(See Details, Sheet 15).

Construct Std. Type 1A
Inlet Hookups. (Both sides).

Valve Box
Elev. = 178.20

Sta. 0-20.20, Begin
Construction of 4' Wide
Concrete Sidewalk (4").

Valve Box
Elev. = 178.20

P.V.I.
Elev. = 178.00
48.72' V.C.

P.V.I.
Elev. = 178.00
44.70' V.C.

HIGHLAND SPRINGS 2ND ADDITION

Curve #5

Curve Data Based on Centerline

Rad. = 400' Delta = 42° 51' 53" Tangent = 157.02'

Arc = 299.25' L.C. = 292.32' Def/Ft. = 4.29722 Min.

Station	Arc	FACE CHORD LENGTHS		Defl.	T. Defl.
		8' Lt.	8' Rt.		
0+00.00	0.00'	—	—	0'00"00"	0'00"00"
0+25.00	25.00'	23.43'	26.56'	1'47"26"	1'47"26"
0+50.00	50.00'	23.43'	26.56'	1'47"26"	3'34"52"
0+75.00	75.00'	23.43'	26.56'	1'47"26"	5'22"17"
1+00.00	100.00'	23.43'	26.56'	1'47"26"	7'09"43"
1+25.00	125.00'	23.43'	26.56'	1'47"26"	8'57"09"
1+50.00	150.00'	23.43'	26.56'	1'47"26"	10'44"35"
1+75.00	175.00'	23.43'	26.56'	1'47"26"	12'32'01"
2+00.00	200.00'	23.43'	26.56'	1'47"26"	14'19'27"
2+25.00	225.00'	23.43'	26.56'	1'47"26"	16'06'52"
2+50.00	250.00'	23.43'	26.56'	1'47"26"	17'54'18"
2+75.00	275.00'	23.43'	26.56'	1'47"26"	19'41'44"
3+00.00	300.00'	23.43'	26.56'	1'47"26"	21'29'10"
3+25.00	325.00'	23.43'	26.56'	1'47"26"	23'16'35"
3+50.00	350.00'	23.43'	26.56'	1'47"26"	25'04'01"
3+75.00	375.00'	23.43'	26.56'	1'47"26"	26'51'27"
4+00.00	400.00'	23.43'	26.56'	1'47"26"	28'38'52"
4+25.00	425.00'	23.43'	26.56'	1'47"26"	30'26'18"
4+50.00	450.00'	23.43'	26.56'	1'47"26"	32'13'43"
4+75.00	475.00'	23.43'	26.56'	1'47"26"	34'01'09"
5+00.00	500.00'	23.43'	26.56'	1'47"26"	35'48'35"
5+25.00	525.00'	23.43'	26.56'	1'47"26"	37'36'00"
5+50.00	550.00'	23.43'	26.56'	1'47"26"	39'23'26"
5+75.00	575.00'	23.43'	26.56'	1'47"26"	41'10'51"
6+00.00	600.00'	23.43'	26.56'	1'47"26"	42'58'17"
6+25.00	625.00'	23.43'	26.56'	1'47"26"	44'45'42"
6+50.00	650.00'	23.43'	26.56'	1'47"26"	46'33'08"
6+75.00	675.00'	23.43'	26.56'	1'47"26"	48'20'33"
7+00.00	700.00'	23.43'	26.56'	1'47"26"	50'07'59"
7+25.00	725.00'	23.43'	26.56'	1'47"26"	51'55'24"
7+50.00	750.00'	23.43'	26.56'	1'47"26"	53'42'50"
7+75.00	775.00'	23.43'	26.56'	1'47"26"	55'30'15"
8+00.00	800.00'	23.43'	26.56'	1'47"26"	57'17'41"
8+25.00	825.00'	23.43'	26.56'	1'47"26"	59'05'06"
8+50.00	850.00'	23.43'	26.56'	1'47"26"	60'52'32"
8+75.00	875.00'	23.43'	26.56'	1'47"26"	62'39'57"
9+00.00	900.00'	23.43'	26.56'	1'47"26"	64'27'23"
9+25.00	925.00'	23.43'	26.56'	1'47"26"	66'14'48"
9+50.00	950.00'	23.43'	26.56'	1'47"26"	68'02'14"
9+75.00	975.00'	23.43'	26.56'	1'47"26"	69'49'39"
10+00.00	1000.00'	23.43'	26.56'	1'47"26"	71'37'05"
10+25.00	1025.00'	23.43'	26.56'	1'47"26"	73'24'30"
10+50.00	1050.00'	23.43'	26.56'	1'47"26"	75'11'56"
10+75.00	1075.00'	23.43'	26.56'	1'47"26"	76'59'21"
11+00.00	1100.00'	23.43'	26.56'	1'47"26"	78'46'47"
11+25.00	1125.00'	23.43'	26.56'	1'47"26"	80'34'12"
11+50.00	1150.00'	23.43'	26.56'	1'47"26"	82'21'38"
11+75.00	1175.00'	23.43'	26.56'	1'47"26"	84'09'03"
12+00.00	1200.00'	23.43'	26.56'	1'47"26"	85'56'29"
12+25.00	1225.00'	23.43'	26.56'	1'47"26"	87'43'54"
12+50.00	1250.00'	23.43'	26.56'	1'47"26"	89'31'20"
12+75.00	1275.00'	23.43'	26.56'	1'47"26"	91'18'45"
13+00.00	1300.00'	23.43'	26.56'	1'47"26"	93'06'11"
13+25.00	1325.00'	23.43'	26.56'	1'47"26"	94'53'36"
13+50.00	1350.00'	23.43'	26.56'	1'47"26"	96'41'02"
13+75.00	1375.00'	23.43'	26.56'	1'47"26"	98'28'27"
14+00.00	1400.00'	23.43'	26.56'	1'47"26"	100'15'53"
14+25.00	1425.00'	23.43'	26.56'	1'47"26"	102'03'18"
14+50.00	1450.00'	23.43'	26.56'	1'47"26"	103'50'44"
14+75.00	1475.00'	23.43'	26.56'	1'47"26"	105'38'09"
15+00.00	1500.00'	23.43'	26.56'	1'47"26"	107'25'35"
15+25.00	1525.00'	23.43'	26.56'	1'47"26"	109'13'00"
15+50.00	1550.00'	23.43'	26.56'	1'47"26"	111'00'26"
15+75.00	1575.00'	23.43'	26.56'	1'47"26"	112'47'51"
16+00.00	1600.00'	23.43'	26.56'	1'47"26"	114'35'17"
16+25.00	1625.00'	23.43'	26.56'	1'47"26"	116'22'42"
16+50.00	1650.00'	23.43'	26.56'	1'47"26"	118'10'08"
16+75.00	1675.00'	23.43'	26.56'	1'47"26"	119'57'33"
17+00.00	1700.00'	23.43'	26.56'	1'47"26"	121'44'59"
17+25.00	1725.00'	23.43'	26.56'	1'47"26"	123'32'24"
17+50.00	1750.00'	23.43'	26.56'	1'47"26"	125'19'50"
17+75.00	1775.00'	23.43'	26.56'	1'47"26"	127'07'15"
18+00.00	1800.00'	23.43'	26.56'	1'47"26"	128'54'41"
18+25.00	1825.00'	23.43'	26.56'	1'47"26"	130'42'06"
18+50.00	1850.00'	23.43'	26.56'	1'47"26"	132'29'32"
18+75.00	1875.00'	23.43'	26.56'	1'47"26"	134'16'57"
19+00.00	1900.00'	23.43'	26.56'	1'47"26"	136'04'23"
19+25.00	1925.00'	23.43'	26.56'	1'47"26"	137'51'48"
19+50.00	1950.00'	23.43'	26.56'	1'47"26"	139'39'14"
19+75.00	1975.00'	23.43'	26.56'	1'47"26"	141'26'39"
20+00.00	2000.00'	23.43'	26.56'	1'47"26"	143'14'05"
20+25.00	2025.00'	23.43'	26.56'	1'47"26"	145'01'30"
20+50.00	2050.00'	23.43'	26.56'	1'47"26"	146'48'56"
20+75.00	2075.00'	23.43'	26.56'	1'47"26"	148'36'21"
21+00.00	2100.00'	23.43'	26.56'	1'47"26"	150'23'47"
21+25.00	2125.00'	23.43'	26.56'	1'47"26"	152'11'12"
21+50.00	2150.00'	23.43'	26.56'	1'47"26"	153'58'38"
21+75.00	2175.00'	23.43'	26.56'	1'47"26"	155'46'03"
22+00.00	2200.00'	23.43'	26.56'	1'47"26"	157'33'29"
22+25.00	2225.00'	23.43'	26.56'	1'47"26"	159'20'54"
22+50.00	2250.00'	23.43'	26.56'	1'47"26"	161'08'20"
22+75.00	2275.00'	23.43'	26.56'	1'47"26"	162'55'45"
23+00.00	2300.00'	23.43'	26.56'	1'47"26"	164'43'11"
23+25.00	2325.00'	23.43'	26.56'	1'47"26"	166'30'36"
23+50.00	2350.00'	23.43'	26.56'	1'47"26"	168'18'02"
23+75.00	2375.00'	23.43'	26.56'	1'47"26"	170'05'27"
24+00.00	2400.00'	23.43'	26.56'	1'47"26"	171'52'53"
24+25.00	2425.00'	23.43'	26.56'	1'47"26"	173'40'18"
24+50.00	2450.00'	23.43'	26.56'	1'47"26"	175'27'44"
24+75.00	2475.00'	23.43'	26.56'	1'47"26"	177'15'09"
25+00.00	2500.00'	23.43'	26.56'	1'47"26"	179'02'35"
25+25.00	2525.00'	23.43'	26.56'	1'47"26"	180'49'60"
25+50.00	2550.00'	23.43'	26.56'	1'47"26"	182'36'36"
25+75.00	2575.00'	23.43'	26.56'	1'47"26"	184'23'61"
26+00.00	2600.00'	23.43'	26.56'	1'47"26"	186'10'37"
26+25.00	2625.00'	23.43'	26.56'	1'47"26"	187'57'62"
26+50.00	2650.00'	23.43'	26.56'	1'47"26"	189'44'38"
26+75.00	2675.00'	23.43'	26.56'	1'47"26"	191'31'63"
27+00.00	2700.00'	23.43'	26.56'	1'47"26"	193'18'39"
27+25.00	2725.00'	23.43'	26.56'	1'47"26"	195'05'64"
27+50.00	2750.00'	23.43'	26.56'	1'47"26"	196'52'40"
27+75.00	2775.00'	23.43'	26.56'	1'47"26"	198'39'65"
28+00.00	2800.00'	23.43'	26.56'	1'47"26"	200'26'41"
28+25.00	2825.00'	23.43'	26.56'	1'47"26"	202'13'66"
28+50.00	2850.00'	23.43'	26.56'	1'47"26"	204'00'42"
28+75.00	2875.00'	23.43'	26.56'	1'47"26"	205'47'67"
29+00.00	2900.00'	23.43'	26.56'	1'47"26"	207'34'43"
29+25.00	2925.00'	23.43'	26.56'	1'47"26"	209'21'68"
29+50.00	2950.00'	23.43'	26.56'	1'47"26"	211'08'44"
29+75.00	2975.00'	23.43'	26.56'	1'47"26"	212'55'69"
30+00.00	3000.00'	23.43'	26.56'	1'47"26"	214'42'45"
30+25.00	3025.00'	23.43'	26.56'	1'47"26"	216'29'20"
30+50.00	3050.00'	23.43'	26.56'	1'47"26"	218'15'96"
30+75.00	3075.00'	23.43'	26.56'	1'47"26"	220'02'71"
31+00.00	3100.00'	23.43'	26.56'	1'47"26"	221'49'47"
31+25.00	3125.00'	23.43'	26.56'	1'47"26"	223'36'22"
31+50.00	3150.00'	23.43'	26.56'	1'47"26"	225'22'98"
31+75.00	3175.00'	23.43'	26.56'	1'47"26"	227'09'73"
32+00.00	3200.00'	23.43'	26.56'	1'47"26"	228'56'49"
32+25.00	3225.00'	23.43'	26.56'	1'47"26"	230'43'24"
32+50.00	3250.00'	23.43'	26.56'	1'47"26"	232'30'00"
32+75.00	3275.00'	23.43'	26.56'	1'47"26"	234'16'75"
33+00.00	3300.00'	23.43'	26.56'	1'47"26"	236'03'51"
33+25.00	3325.00'	23.43'	26.56'	1'47"26"	237'50'26"
33+50.00	3350.00'	23.43'	26.56'	1'47"26"	239'37'02"
33+75.00	3375.00'	23.43'	26.56'	1'47"26"	241'23'77"
34+00.00	3400.00'	23.43'	26.56'	1'47"26"	243'10'53"
34+25.00	3425.00'	23.43'	26.56'	1'47"26"	244'57'28"
34+50.00	3450.00'	23.43'	26.56'	1'47"26"	246'44'04"
34+75.00	3475.00'	23.43'	26.56'	1'47"26"	248'30'79"
35+00.00	3500.00'	23.43'	26.56'	1'47"26"	250'17'55"
35+25.00	3525.00'	23.43'	26.56'	1'47"26"	252'04'30"
35+50.00	3550.00'	23.43'	26.56'	1'47"26"	253'51'06"
35+75.00	3575.00'	23.43'	26.56'	1'47"26"	255'37'81"
36+00.00	3600.00'	23.43'	26.56'	1'47"26"	257'24'57"
36+25.00	3625.00'	23.43'	26.56'	1'47"26"	259'11'32"
36+50.00	3650.00'	23.43'	26.56'	1'47"26"	260'98'08"
36+75.00	3675.00'	23.43'	26.56'	1'47"26"	262'84'83"
37+00.00	3700.00'	23.43'	26.56'	1'47"26"	264'71'59"
37+25.00	3725.00'	23.43'	26.56'	1'47"26"	266'58'34"
37+50.00	3750.00'	23.43'	26.56'	1'47"26"	268'45'10"
37+75.00	3775.00'	23.43'	26.56'	1'47"26"	270'31'85"
38+00.00	3800.00'	23.43'	26.56'	1'47"26"	272'18'61"
38+25.00	3825.00'	23.43'	26.56'	1'47"26"	274'05'36"
38+50.00	3850.00'	23.43'	26.56'	1'47"26"	275'52'12"
38+75.00	3875.00'	23.43'	26.56'	1'47"26"	277'38'87"
39+00.00	3900.00'	23.43'	26.56'	1'47"26"	279'25'63"
39+25.00	3925.00'	23.43'	26.56'	1'47"26"	281'12'38"
39+50.00	3950.00'	23.43'	26.56'	1'47"26"	282'99'14"
39+75.00	3975.00'	23.43'	26.56'	1'47"26"	284'85'89"
40+00.00	4000.00'	23.43'	26.56'	1'47"26"	286'72'65"
40+25.00	4025.00'	23.43'	26.56'	1'47"26"	288'59'40"
40+50.00	4050.00'	23.43'	26.56'	1'47"26"	290'46'16"
40+75.00	4075.00'	23.43'	26.56'	1'47"26"	292'32'91"
41+00.00	4100.00'	23.43'	26.56'	1'47"26"	29