

BENCHMARKS:
 BM #1: City of Wichita disc top of headwall of RCBC 660± east of the SE Cor. of the SE1/4, SEC. 22, TWP. 27-S, R-2-W. Elev. = 1410.27 NAVD88

BM #2: 60d step nail in utility pole 28' east of E 162nd St. W. and 26' north of E of Maple. Elev. = 1417.99 NAVD88

CAUTION! Presence and location of underground sprinkler systems unknown. If encountered, contact developer prior to construction for relocation.

Regrade ditch to ensure positive drainage in 100'. Cost of regrading to be incidental to "Site Restoration"

Asphalt to be saw cut and existing entrance to be removed, including asphalt mat, headwall and 2'x2' RCBC. To be incidental to "Site Clearing".

Install 58.0 L.F. Pipe, SWS 30" with two Pipe, 30" End Section and 24.0 S.Y. Rip-Rap, Light Stone, both sides.
 Flow (W) = 1416.10
 Flow (E) = 1415.90

Saw cut, remove and replace 2' existing pavement as shown. To be incidental to "Site Restoration".

P.V.I. Elev. = 1421.80
 30' V.C.

Install 269.0 S.F. Concrete Driveway 6" W/ Crushed Rock Base 5" to the north of Maple R/W line. Install 127.0 S.Y. AC Pavement 5" (3" Bit Base) W/ Crushed Rock Base 5" south of property line in Maple Street R/W.

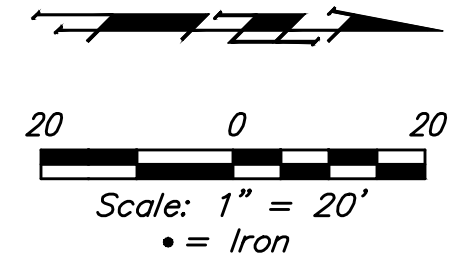
CAUTION! Existing AT&T Vault near. Contractor to protect vault from damage.

Regrade ditch to ensure positive drainage in 100'. Cost of regrading to be incidental to "Site Restoration"

Curve #3					
Curve Data Based on Centerline					
Rad. = 299.53' Delta = 16°44'19" Tangent = 44.07'					
Arc = 87.40' L.C. = 87.20' Def./Ft. = 5.74552 Min.					
Face Chord Lengths	Arc	8' Left	8' Right	Defl.	Total Defl.
0+67.99	-	-	-	0°00'00"	0°00'00"
0+75.00	7.01'	6.50'	7.53'	0°40'17"	0°40'17"
1+00.00	25.00'	23.19'	26.86'	2°23'38"	3°03'55"
1+25.00	25.00'	23.19'	26.86'	2°23'38"	5°27'33"
1+50.00	25.00'	23.19'	26.86'	2°23'38"	7°51'11"
1+55.39	5.39'	5.00'	5.79'	0°30'59"	8°22'10"

Curve #4					
Curve Data Based on Centerline					
Rad. = 395' Delta = 20°28'31" Tangent = 71.34'					
Arc = 141.16' L.C. = 140.41' Def./Ft. = 4.35150 Min.					
Face Chord Lengths	Arc	8' Left	8' Right	Defl.	Total Defl.
1+55.39	-	-	-	0°00'00"	0°00'00"
1+75.00	19.61'	20.70'	18.52'	1°25'20"	1°25'20"
2+00.00	25.00'	26.39'	23.60'	1°48'47"	3°14'07"
2+25.00	25.00'	26.39'	23.60'	1°48'47"	5°02'54"
2+50.00	25.00'	26.39'	23.60'	1°48'48"	6°51'42"
2+75.00	25.00'	26.39'	23.60'	1°48'47"	8°40'29"
2+96.55	21.55'	22.75'	20.35'	1°33'46"	10°14'15"

Curve #5					
Curve Data Based on Centerline					
Rad. = 185.75' Delta = 26°10'41" Tangent = 43.19'					
Arc = 84.87' L.C. = 84.13' Def./Ft. = 9.25347 Min.					
Face Chord Lengths	Arc	8' Left	8' Right	Defl.	Total Defl.
2+96.55	-	-	-	0°00'00"	0°00'00"
3+00.00	3.45'	3.86'	3.04'	0°31'55"	0°31'55"
3+25.00	25.00'	27.94'	22.02'	3°51'21"	4°23'16"
3+50.00	25.00'	27.94'	22.02'	3°51'20"	8°14'36"
3+75.00	25.00'	27.94'	22.02'	3°51'20"	12°05'56"
3+76.45	1.45'	1.62'	1.28'	0°13'25"	12°19'21"
3+77.97	1.52'	1.70'	1.34'	0°14'04"	12°33'25"
3+81.42	3.45'	3.86'	3.04'	0°31'56"	13°05'21"

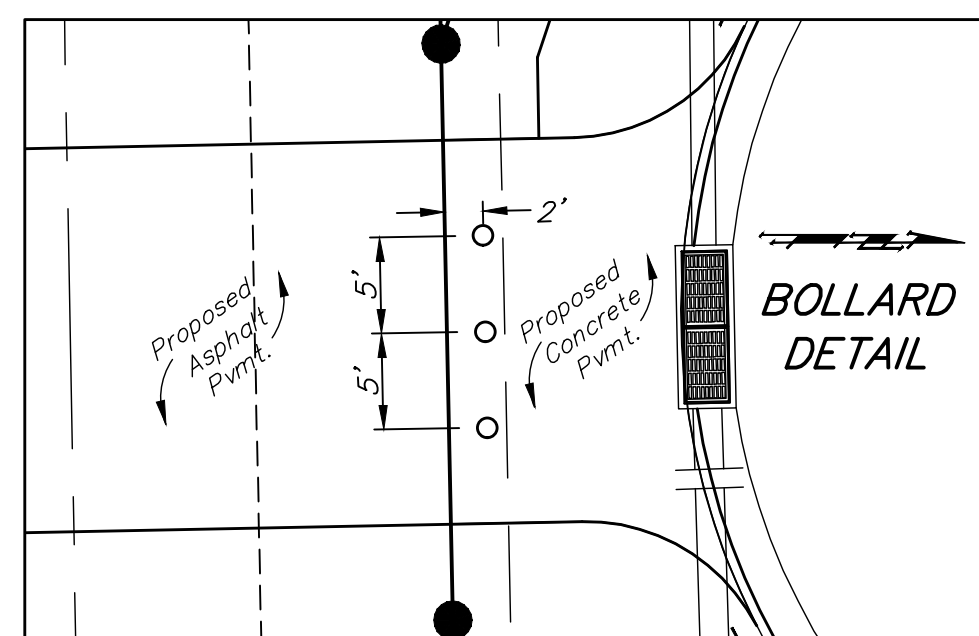
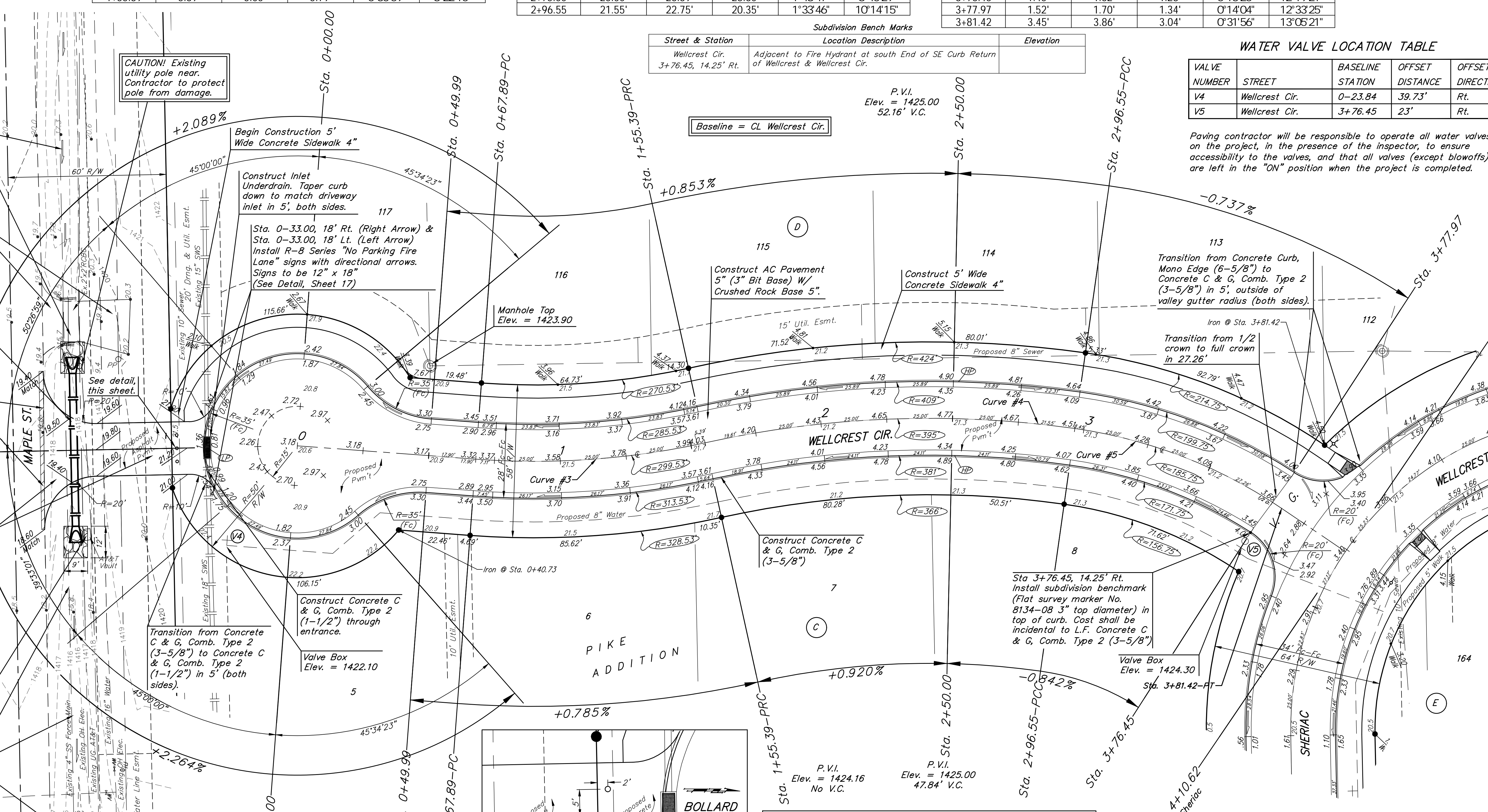


Street & Station	Location Description	Elevation
Wellcrest Cir. 3+76.45, 14.25' Rt.	Adjacent to Fire Hydrant at south End of SE Curb Return of Wellcrest & Wellcrest Cir.	

WATER VALVE LOCATION TABLE

VALVE NUMBER	STREET	BASELINE STATION	OFFSET DISTANCE	OFFSET DIRECTION
V4	Wellcrest Cir.	0-23.84	39.73'	Rt.
V5	Wellcrest Cir.	3+76.45	23'	Rt.

Paving contractor will be responsible to operate all water valves on the project, in the presence of the inspector, to ensure accessibility to the valves, and that all valves (except blowoffs) are left in the "ON" position when the project is completed.



Contractor to install 3 TrafficGuard Hinged Round Post 36" tall (HRP36) collapsible bollards per manufacturer recommendations. All costs for supplying bollards, concrete pier anchor systems, concrete, rebar, keyed alike padlocks, incidental materials, and all work to install the bollards per manufacturer's recommendation are to be included in the bid item "Collapsible Bollards" and bid per each. Immediately after the bollards are installed, the padlocks shall be locked on the bollards and the keys shall be provided to the developer.

NOTE: ROLL TYPE CURB & GUTTER (TYPE 2) TO BE CONSTRUCTED ON THE PAVEMENT SHOWN ON THIS SHEET. TOP OF CURB ELEVATIONS ARE GIVEN FOR FULL HEIGHT CURB (TYPE 4).