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 ℄ 162nd St. W. and 26' north of ℄ of Maple. Elev. = 1417.99 NAVD88

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					
Station	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					
Station	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					
Station	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"

Subdivision Bench Marks

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.

Scale: 1" = 20'
• = Iron

CAUTION! Presence and location of underground sprinkler systems unknown. If encountered, contact developer prior to construction for relocation.
CAUTION! Existing utility pole near. Contractor to protect pole from damage.
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"
MAPLE ST.
See detail, this sheet.
+2.089%
Begin Construction 5' Wide Concrete Sidewalk 4"
Construct Inlet Underdrain. Taper curb down to match driveway inlet in 5', both sides.
Sta. 0-33.00, 18' Rt. (Right Arrow) & Sta. 0-33.00, 18' Lt. (Left Arrow) Install R-8 Series "No Parking Fire Lane" signs with directional arrows. Signs to be 12" x 18" (See Detail, Sheet 17)
Sta. 0+00.00
Sta. 0+49.99
Sta. 0+67.89-PC
Sta. 1+55.39-PRC
Sta. 2+50.00
Sta. 2+96.55-PCC
Sta. 3+77.97
Sta. 4+10.62 = ℄ Wellcrest
Baseline = CL Wellcrest Cir.
P.V.I. Elev. = 1425.00 52.16' V.C.
+0.853%
-0.737%
Manhole Top Elev. = 1423.90
Construct AC Pavement 5" (3" Bit Base) W/ Crushed Rock Base 5".
Construct 5' Wide Concrete Sidewalk 4"
Transition from Concrete Curb, Mono Edge (6-5/8") to Concrete C & G, Comb. Type 2 (3-5/8") in 5', outside of valley gutter radius (both sides).
Iron @ Sta. 3+81.42
Transition from 1/2 crown to full crown in 27.26'
WELLCREST CIR.
WELLCREST
Curve #3
Curve #4
Curve #5
Proposed 8" Sewer
Proposed 8" Water
15' Util. Esmt.
Iron @ Sta. 0+40.73
Construct Concrete C & G, Comb. Type 2 (1-1/2") through entrance.
Transition from Concrete C & G, Comb. Type 2 (3-5/8") to Concrete C & G, Comb. Type 2 (1-1/2") in 5' (both sides).
Valve Box Elev. = 1422.10
Construct Concrete C & G, Comb. Type 2 (3-5/8")
Sta 3+76.45, 14.25' Rt. Install subdivision benchmark (Flat survey marker No. 8134-08 3" top diameter) in top of curb. Cost shall be incidental to L.F. Concrete C & G, Comb. Type 2 (3-5/8")
Valve Box Elev. = 1424.30
Sta. 3+81.42-PT
PIKE ADDITION
SHERIAC
+0.785%
+2.264%
+0.920%
-0.842%
Sta. 3+76.45
Sta. 4+10.62 = ℄ Sheriac
P.V.I. Elev. = 1424.16 No V.C.
P.V.I. Elev. = 1425.00 47.84' V.C.
BOLLARD DETAIL
Proposed Asphalt Pvmt.
Proposed Concrete Pvmt.

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 manufacturers 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).

Baughman Company, P.A.

PIKE ADDITION - PH. II

WELLCREST CIR.

STREET IMPROVEMENTS