BENCHMARK:
R.R. SPIKE IN HLP, 150' E. & 30' S. OF THE S.W. COR., S.E. 1/4, SEC. 12-26-1W.
ELEV. = 1338.98 M.S.L.
ELEV. = 151.56 City Datum

"O" IN OPEN, TOP FLANGE OF FIRE HYDRANT AT THE S.W. CORNER OF 61ST. ST. N. & MERIDIAN AVE.
ELEV. = 1339.16 M.S.L.
ELEV. = 151.76 City Datum

Subdivision Bench Marks

Street & Station	Location Description	Elevation
Rio Vista 0+37.0, 17.50' Lt.	Adjacent to Fire Hydrant at the Southwest corner of Lot 4, Block C	
W. 62nd St. North 0+20.0, 17.50' Lt.	Adjacent to Fire Hydrant at the Southwest corner of Lot 18, Block A	
Richmond 15+15.62, 17.50' Lt.	Adjacent to Fire Hydrant at the Northeast corner of Lot 1, Block A	
Richmond Ct. 0+37.71, 14.50' Lt.	Adjacent to Fire Hydrant at the Northeast corner of Lot 13, Block A	
Richmond 8+32.84, 17.50' Lt.	Adjacent to Fire Hydrant at the Northeast corner of Lot 9, Block C	
Rio Vista Ct. 0+36.77, 14.50' Lt.	Adjacent to Fire Hydrant at the Northwest corner of Lot 1, Block E	

Scale: 1" = 20'
= Iron

Sta 0+00.00 = ℄ EDWARDS
Sta 0+36.97
Sta 2+68.58 - PC
Sta 4+25.66 - PT
Match Line
Match Line
Sta 4+25.66 - PT
-0.993%
-0.775%
-0.993%
-0.550%
Sta 0+32.00 Iron
Sta 0+37.0, 17.50' Lt. Install subdivision benchmark (Flat Survey Marker No. 8134-08 3" top diameter) in top of curb. Cost shall be incidental to L.F. Curb & Gutter.
Transition from 1/2 crown to full crown in 13.03'
Construct std. comb. roll type curb & gutter (3-5/8")
RIO VISTA ESTATES 4TH ADDITION
RIO VISTA
EDWARDS
10' Util. Esmt.
20' Util. Esmt.
20' Drng. & Util. Esmt.
Proposed Pvmt
Curve #3
Prop. 4' Walk
Construct 5" A.C. pavement W/ 5" reinf. rock base.
Construct std. type A wheel chair ramp with detectable warning (See detail, sheet 5)
Construct 7" reinforced concrete valley gutter pavement with monolithic curb (3-5/8")
Construct 4' wide sidewalk
34' f-c-f
64' R/W
WATERLINE
Walk
Curve #3
Curve Data Based on Centerline
Rad. = 100' Delta = 89°37'54" Tangent = 99.35'
Arc = 157.08' L.C. = 140.96' Def/Ft. = 17.11728 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
2+68.58	-	-	-	0°00'00"	0°00'00"
2+75.00	6.42'	4.79'	7.99'	1°49'54"	1°49'54"
3+00.00	25.00'	18.62'	31.04'	7°07'56"	8°57'50"
3+25.00	25.00'	18.62'	31.04'	7°07'56"	16°05'45"
3+50.00	25.00'	18.62'	31.04'	7°07'56"	23°13'41"
3+75.00	25.00'	18.62'	31.04'	7°07'56"	30°21'37"
4+00.00	25.00'	18.62'	31.04'	7°07'56"	37°29'33"
4+25.00	25.00'	18.62'	31.04'	7°07'56"	44°37'29"
4+25.66	0.66'	0.49'	0.82'	0°11'18"	44°48'47"

Adjust water valve boxes as needed to grade. Incidental to 'Site Clearing and Restoration'.

Contractor to remove existing trees, fence, etc. as needed to complete paving project. Removal shall be incidental to bid item 'Site Clearing and Restoration'.

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

Baughman

Rio Vista Estates 4th Addition
Rio Vista
STA 0+00 TO STA 4+25.66

Baughman Company, P.A. 315 E. 8th St. Wichita, KS 67211 P 316.263.2221 F 316.263.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 412.84055
REVISIONS
DESIGN MWS
DRAWN JWH
APPROVED
DATE 7/05
SCALE Noted
SHEET 13 OF 51

Rio Vista1st1.dwg
05-03-E204