BENCHMARK:
R.R. SPIKE IN HLP, 150' E. & 30'
S. OF THE S.W. COR., S.E. 1/4,
SEC. 12-26-1W.
ELEV. = 1338.96 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

Curve #7
Curve Data Based on Centerline
Rad. = 248.18' Delta = 16°25'59" Tangent = 35.78'
Arc = 71.53' L.C. = 70.82' Def/Ft. = 6.89210 Min.

		FACE CHORD LENGTHS				
Station	Arc	8' Lt.	9' Rt.		Defl.	T. Defl.
0+32.00	–	–	–		0°00'00"	0°00'00"
0+37.71	5.71'	6.18'	5.17'		0°39'21"	0°39'21"
0+50.00	12.29'	13.29'	11.12'		1°24'43"	2°04'03"
0+75.00	25.00'	27.03'	22.62'		2°52'18"	4°56'22"
1+00.00	25.00'	27.03'	22.62'		2°52'18"	7°48'40"
1+03.53	3.53'	3.82'	3.20'		0°24'20"	8°13'00"

Scale: 1" = 20'
• = Iron

Sta 0+00.00 – @ RICHMOND
Sta 0+32.00 – PC
Sta 0+37.71
Sta 1+03.53 – PT
Sta 1+84.63
Sta 2+34.62

+1.795%
+1.911%
+0.724%
+2.015%
+1.911%
+0.724%

RIO VISTA ESTATES
4TH ADDITION

RICHMOND CT.

TREES

Construct std. comb. roll type curb & gutter (3-5/8")

Transition from 1/2 crown to full crown in 12.30'

Construct 5" A.C. pavement W/ 5" reinf. rock base.

Construct 7" reinforced concrete valley gutter pavement with monolithic curb (3-5/8")

Curve #7

R=277.18'
R=262.18'
R=248.18'
R=234'
R=220'

PROP. WATERLINE

Proposed Pvm't

10' Utils. Esmt.

Sta 0+37.71, 14.50' 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.

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	

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

Adjust water valve boxes as needed to grade. Incidental to '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
Richmond Ct.
STA 0+00 TO STA 2+34.62

Baughman Company, P.A. 315 Elm St. Wichita, KS 67211 P 316.263.2171 F 316.263.2049
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-84056
DESIGN MWS
DRAWN JWH
APPROVED
DATE 7/05
REVISIONS
SCALE Noted
SHEET 12 OF 51

Rio Vista\str1.dwg 05-03-E204