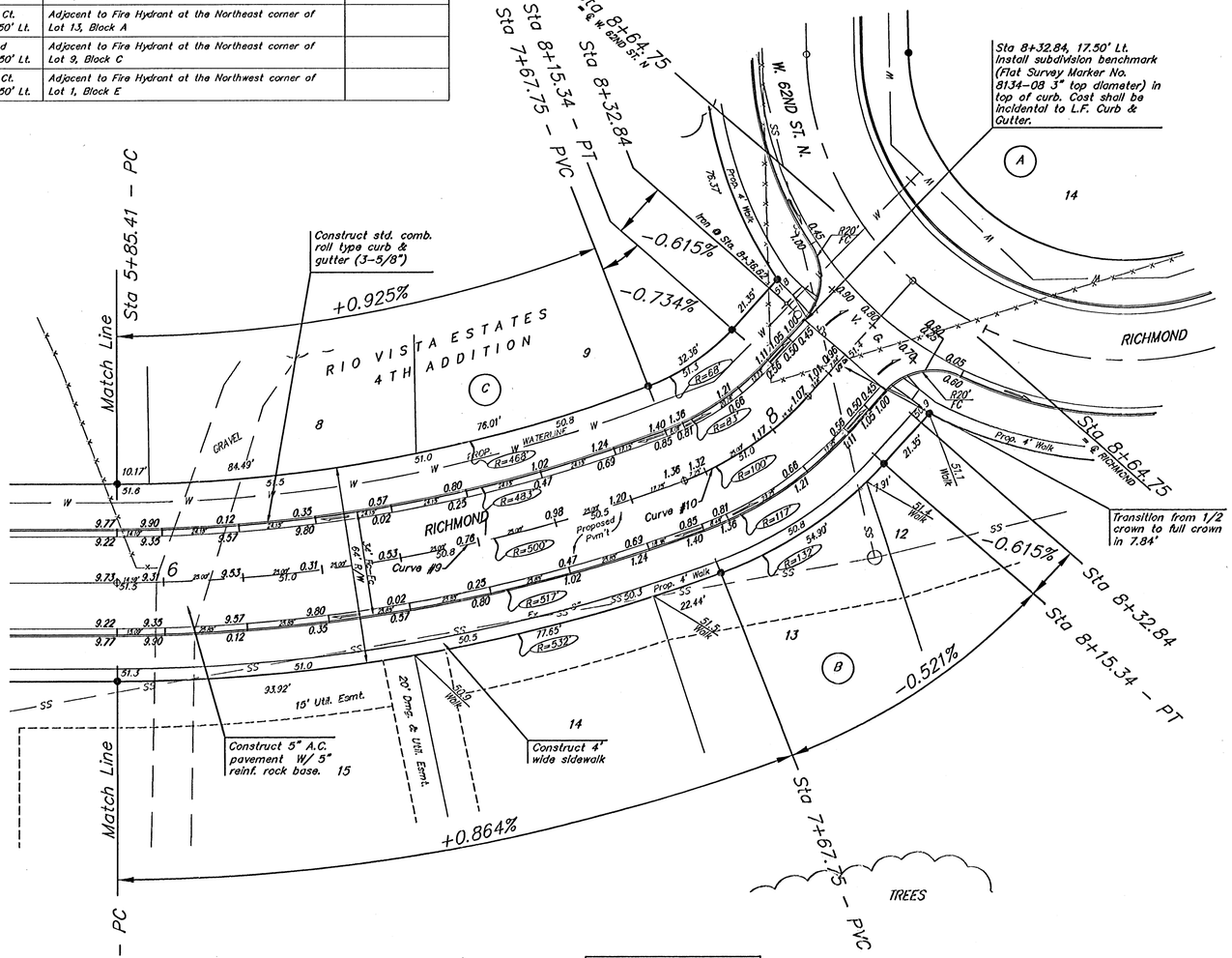
BENCHMARK:
R.R. SPIKE IN HLP, 150' E. & 30' S. OF THE S.W. COR., S.E. 1/4, SEC. 12-26-1W.
ELEV. = 1338.96 M.S.L.
ELEV. = 151.56 City Datum

"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

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



Curve #10
Curve Data Based on Centerline
Rad. = 100.00' Delta = 27°16'2" Tangent = 24.29'
Arc = 47.59' L.C. = 47.21' Def/Ft. = 17.18883 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
7+67.75	–	–	–	0°00'00"	0°00'00"
7+75.00	7.25'	5.45'	9.07'	2°04'37"	2°04'37"
8+00.00	25.00'	18.74'	31.21'	7°09'43"	9°14'20"
8+13.34	13.34'	11.32'	13.18'	4°23'41"	13°38'01"

Curve #9
Curve Data Based on Centerline
Rad. = 500' Delta = 20°58'9" Tangent = 91.63'
Arc = 182.34' L.C. = 180.25' Def/Ft. = 3.41701 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
5+85.41	–	–	–	0°00'00"	0°00'00"
6+00.00	14.59'	13.78'	15.23'	0°49'51"	0°49'51"
6+25.00	25.00'	23.60'	26.09'	1°25'26"	2°15'17"
6+50.00	25.00'	23.60'	26.09'	1°25'26"	3°40'42"
6+75.00	25.00'	23.60'	26.09'	1°25'26"	5°06'08"
7+00.00	25.00'	23.60'	26.09'	1°25'26"	6°31'53"
7+25.00	25.00'	23.60'	26.09'	1°25'26"	7°57'59"
7+50.00	25.00'	23.60'	26.09'	1°25'26"	9°22'24"
7+67.75	17.75'	16.76'	18.52'	1°00'39"	10°23'03"

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
Richmond
STA 5+85.41 TO STA 8+64.75

Baughman Company, P.A. 315 Elk St. Wichita, KS 67211 P 316.263.2131 F 316.262.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 472-84056
DESIGN MWS DRAWN JWH
REVISIONS
APPROVED DATE 7/05
SCALE Noted
SHEET **15** OF **51**

Rio Vista1st1.dwg 05-03-E204