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

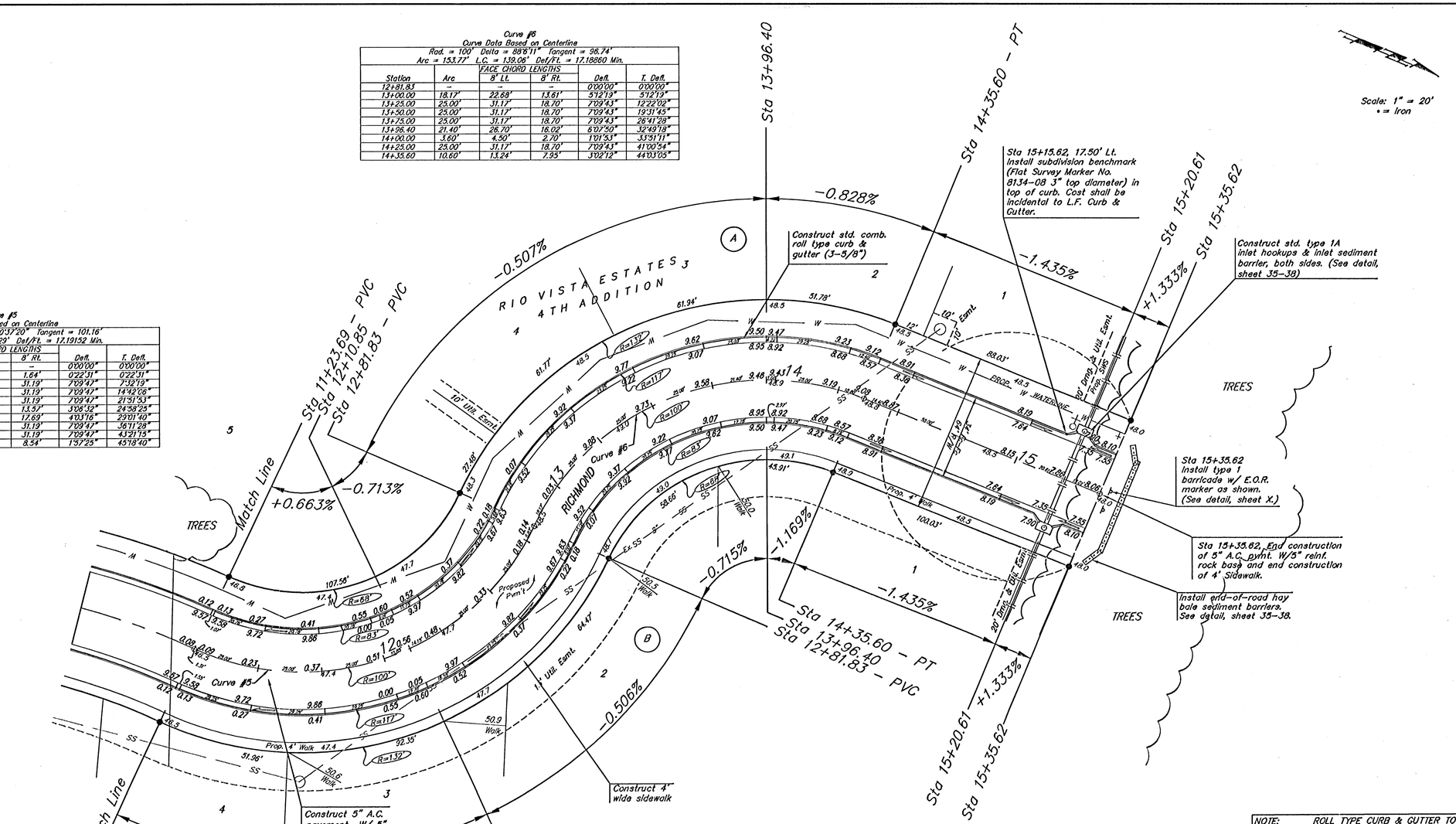
"O" IN OPEN, TOP FLANGE OF FIRE HYDRANT AT THE S.W. CORNER OF 61ST. ST. N. & MERIDIAN AVE.
ELEV. = 1339.16 M.S.L.
ELEV. = 151.76 City Datum

Curve #5
Curve Data Based on Centerline
Rad. = 100.00' Delta = 90°37'20" Tangent = 101.18'
Arc = 158.14' L.C. = 142.29' Def/Ft. = 17.19152 Min.

Station	Arc	YACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
11+23.69	–	–	–	0°00'00"	0°00'00"
11+25.00	1.31'	0.38'	1.64'	0°22'31"	0°22'31"
11+50.00	25.00'	18.73'	31.19'	7°09'47"	7°32'19"
11+75.00	25.00'	18.72'	31.19'	7°09'47"	14°42'06"
12+00.00	25.00'	18.72'	31.19'	7°09'47"	21°51'53"
12+10.85	10.85'	8.14'	13.57'	3°06'32"	24°58'25"
12+25.00	14.15'	10.62'	17.69'	4°03'16"	29°01'40"
12+50.00	25.00'	18.72'	31.19'	7°09'47"	36°11'28"
12+75.00	25.00'	18.72'	31.19'	7°09'47"	43°21'15"
12+81.83	6.83'	5.13'	8.54'	1°57'25"	45°18'40"

Curve #6
Curve Data Based on Centerline
Rad. = 100' Delta = 88°61'11" Tangent = 96.74'
Arc = 153.77' L.C. = 139.06' Def/Ft. = 17.18660 Min.

Station	Arc	YACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
12+81.83	–	–	–	0°00'00"	0°00'00"
13+00.00	18.17'	22.68'	13.61'	5°12'19"	5°12'19"
13+25.00	25.00'	31.17'	18.70'	7°09'43"	12°22'02"
13+50.00	25.00'	31.17'	18.70'	7°09'43"	19°31'45"
13+75.00	25.00'	31.17'	18.70'	7°09'43"	26°41'28"
13+96.40	21.40'	26.70'	16.02'	6°07'50"	32°49'18"
14+00.00	3.60'	4.50'	2.70'	1°01'53"	33°51'11"
14+25.00	25.00'	31.17'	18.70'	7°09'43"	41°00'54"
14+35.60	10.60'	13.24'	7.95'	3°02'12"	44°03'05"



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	

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 11+23.69 TO STA 15+35.62

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316.262.2221 F 316.262.0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE/ARCHITECTURE

PROJECT NUMBER 472-84056
DESIGN MWS
DRAWN JWH
APPROVED
DATE 7/05
REVISIONS
SCALE Noted
SHEET **11** OF **51**

Rio Vista\str1.dwg 0503-8204