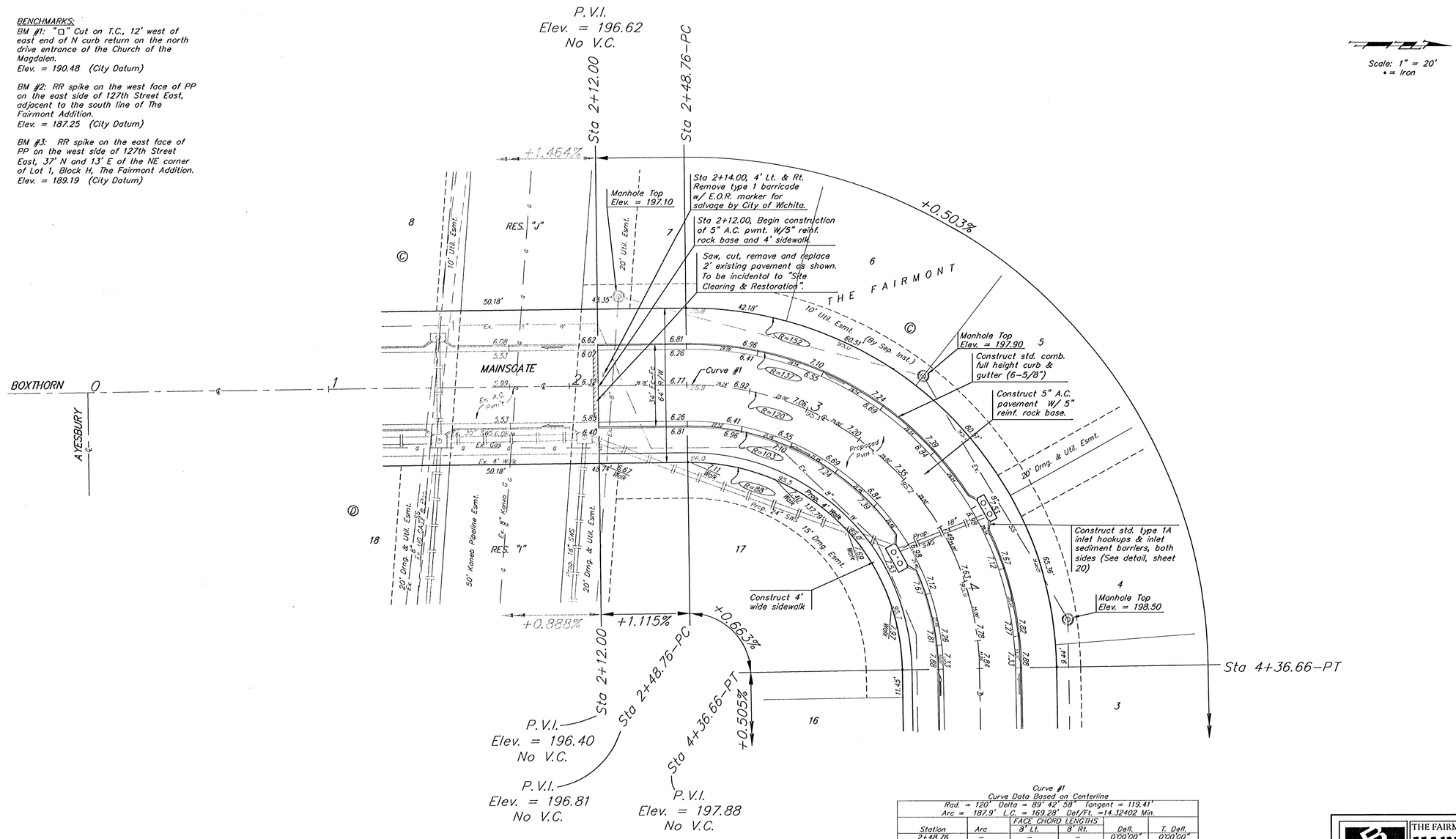
BENCHMARKS:

BM #1: "□" Cut on T.C., 12' west of east end of N curb return on the north drive entrance of the Church of the Magdalen.
Elev. = 190.48 (City Datum)

BM #2: RR spike on the west face of PP on the east side of 127th Street East, adjacent to the south line of The Fairmont Addition.
Elev. = 187.25 (City Datum)

BM #3: RR spike on the east face of PP on the west side of 127th Street East, 37' N and 1.3' E of the NE corner of Lot 1, Block H, The Fairmont Addition.
Elev. = 189.19 (City Datum)



Scale: 1" = 20'
• = Iron

Subdivision Bench Marks

Street & Station	Location Description	Elevation
Mainsgate 7+98.11, 17.25' Rt.	Adjacent to Fire Hydrant near common lot corner of Lots 11 & 12, Block D.	
Mainsgate 13+97.74, 17.25' Rt.	Adjacent to Fire Hydrant near common lot corner of Lots 4 & 5, Block D.	

Curve #1
Curve Data Based on Centerline
Rad. = 120' Delta = 89° 42' 58" Tangent = 119.41'
Arc = 187.9' L.C. = 169.28' Def/Ft. =14.32402 Min.

Station	Arc	FACE CHORD LENGTHS 8' Lt.	8' Rt.	Defl.	T. Defl.
2+48.76	—			0°00'00"	0°00'00"
2+50.00	1.24'	1.50'	0.98'	0°17'46"	0°17'46"
2+75.00	25.00'	30.15'	19.76'	5°58'06"	6°15'52"
3+00.00	25.00'	30.15'	19.76'	5°58'06"	12°13'58"
3+25.00	25.00'	30.15'	19.76'	5°58'06"	18°12'04"
3+50.00	25.00'	30.15'	19.76'	5°58'06"	24°10'10"
3+75.00	25.00'	30.15'	19.76'	5°58'06"	30°08'16"
4+00.00	25.00'	30.15'	19.76'	5°58'06"	36°06'22"
4+25.00	25.00'	30.15'	19.76'	5°58'06"	42°04'28"
4+36.66	11.66'	14.08'	9.23'	2°47'01"	44°51'29"

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 3167637271 F 3167637149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

THE FAIRMONT - PHASE III
MAINSGATE
STA 2+12.00 TO STA 4+36.66

PROJECT NUMBER	DESIGN	DRAWN
472-83485	ATD	TMS
REVISIONS	APPROVED	DATE
		09/05
	SCALE	
	Noted	
	SHEET	
	6 OF 27	

Fairmont\PhaseIII\Str1 0404-E871