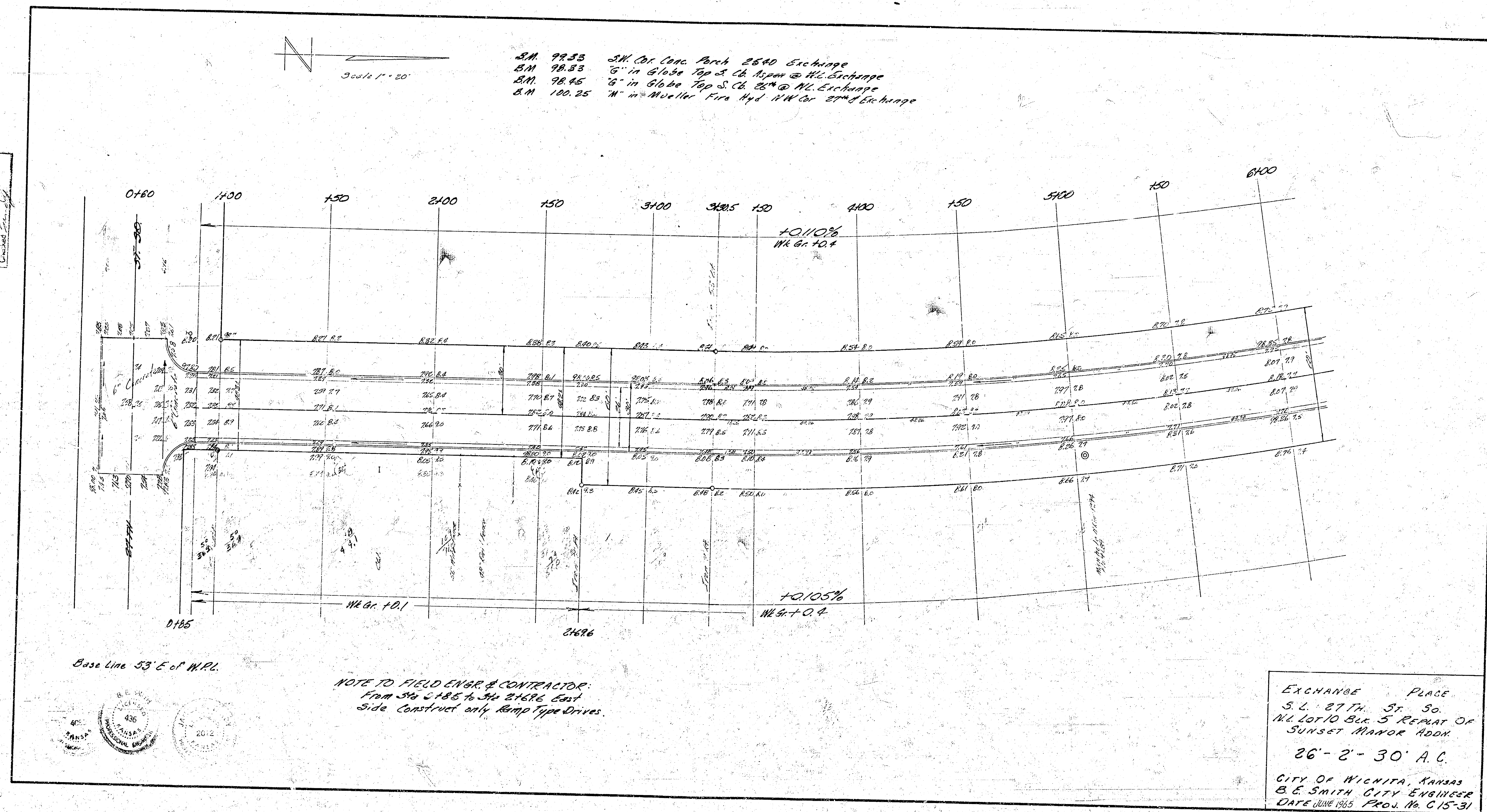
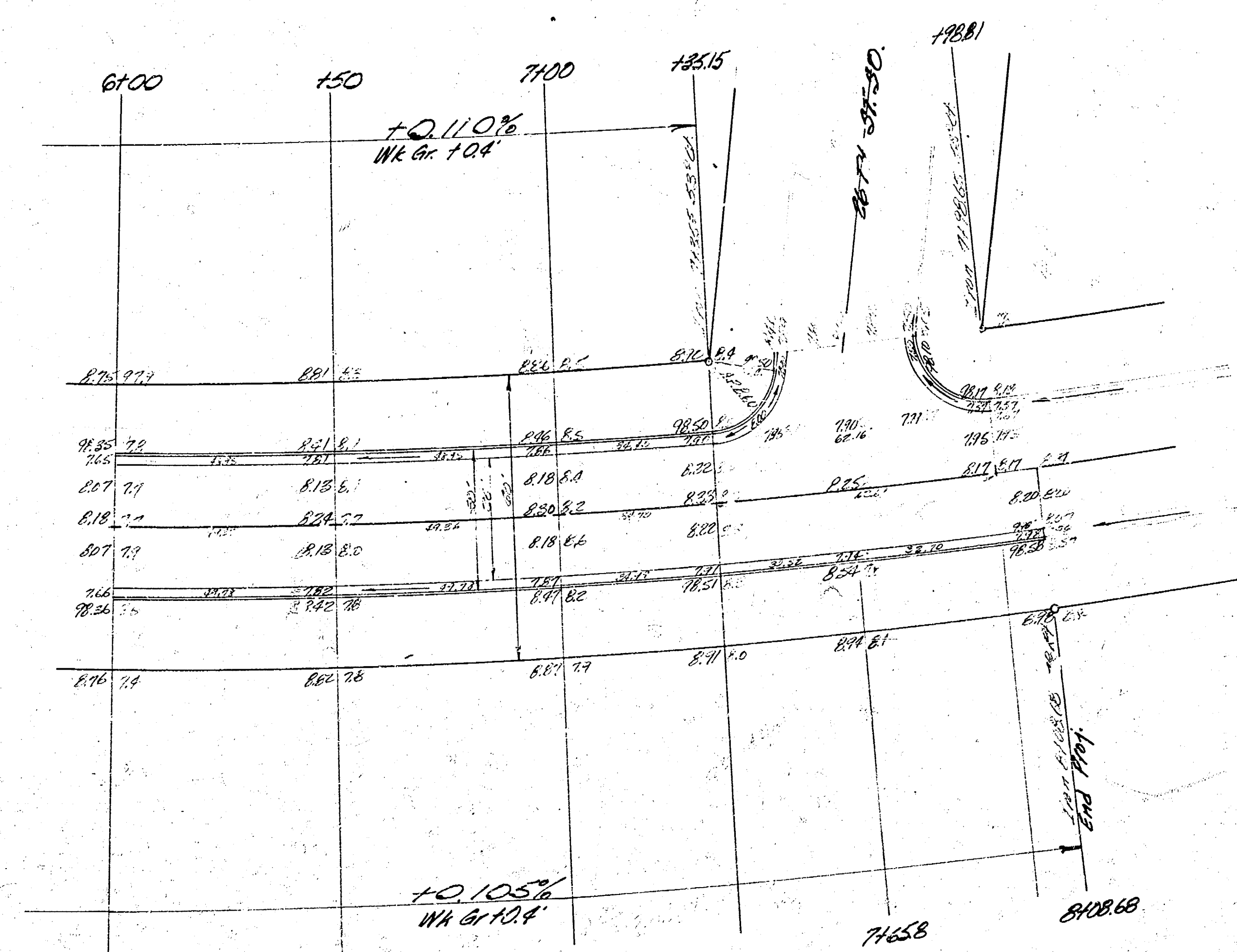






Curve Data Based on 53' of H.R. R=1806 Δ=32°-24'

Sta	Arc	Chord S.B. West Ch	Chord S.B. East Ch	Deflection	Total Deflection
RL 3120.5					0°-00'-00"
+50	19.5	19.01	19.51	0°-18'-34"	0°-18'-34"
+100	39.0	38.72	39.99	0°-41'-35"	1°-06'-09"
+150					1°-53'-44"
+200					2°-41'-19"
+250					3°-28'-54"
+300					4°-16'-29"
+350					5°-04'-04"
+400	39.0	38.72	39.99	0°-41'-35"	5°-51'-39"
+450	58.5	58.35	59.25	0°-53'-33"	6°-25'-12"
+500	78.0	77.86	79.62	0°-29'-10"	6°-54'-22"
+550	97.5	97.01	99.25	0°-31'-16"	7°-22'-38"
+600	117.0	116.78	119.03	0°-09'-33"	7°-35'-01"

Min. 171.095176

Prop	Excavation
771.6 CY	102.5 CY
780.0 +10%	10.8 +10%
857.6 CY Total	112.8 CY Total