

STREET IMPROVEMENTS

ALEXANDER ST.

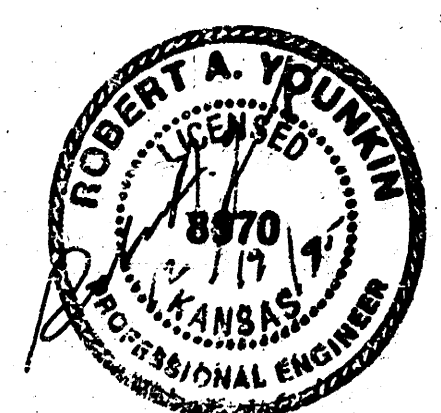
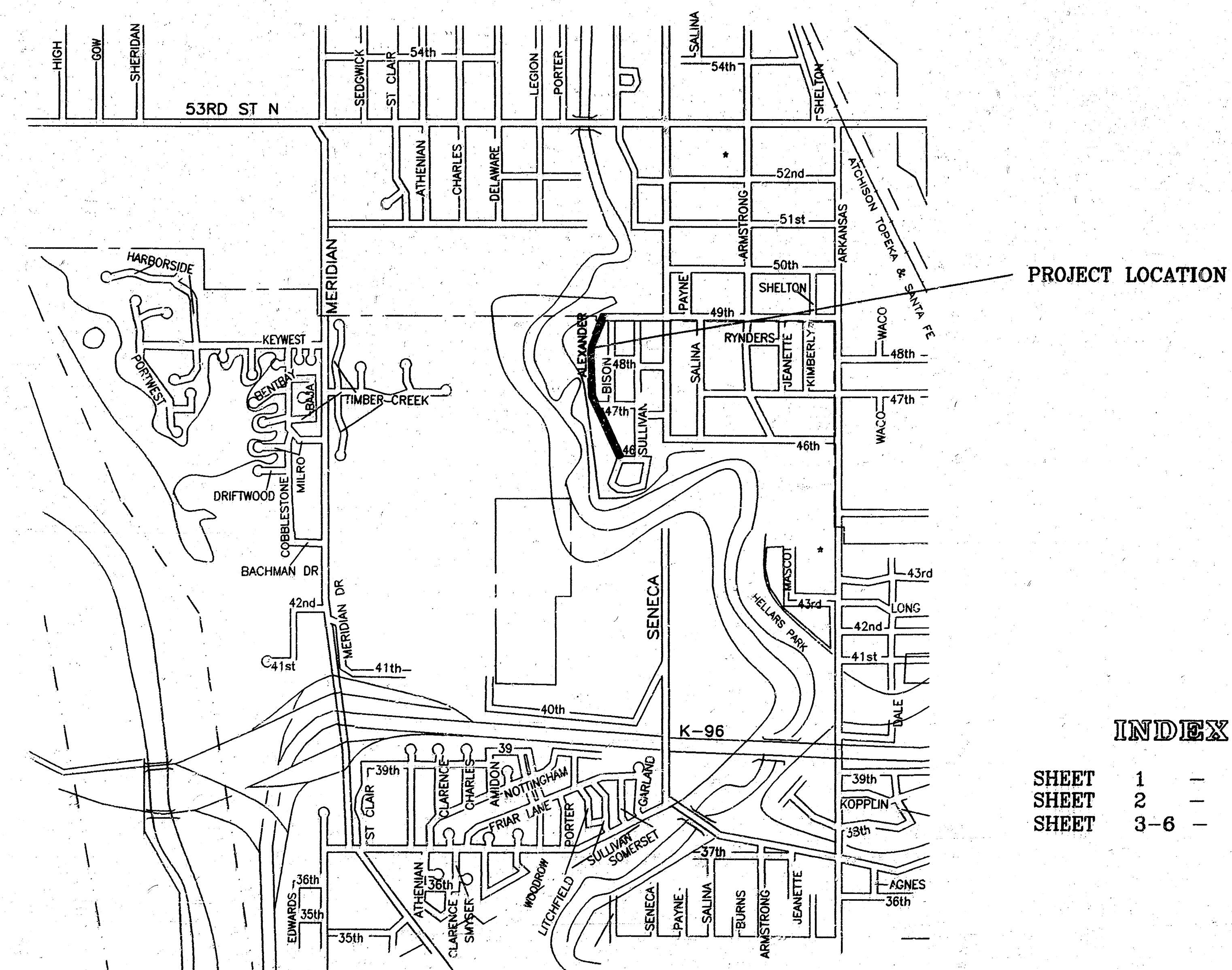
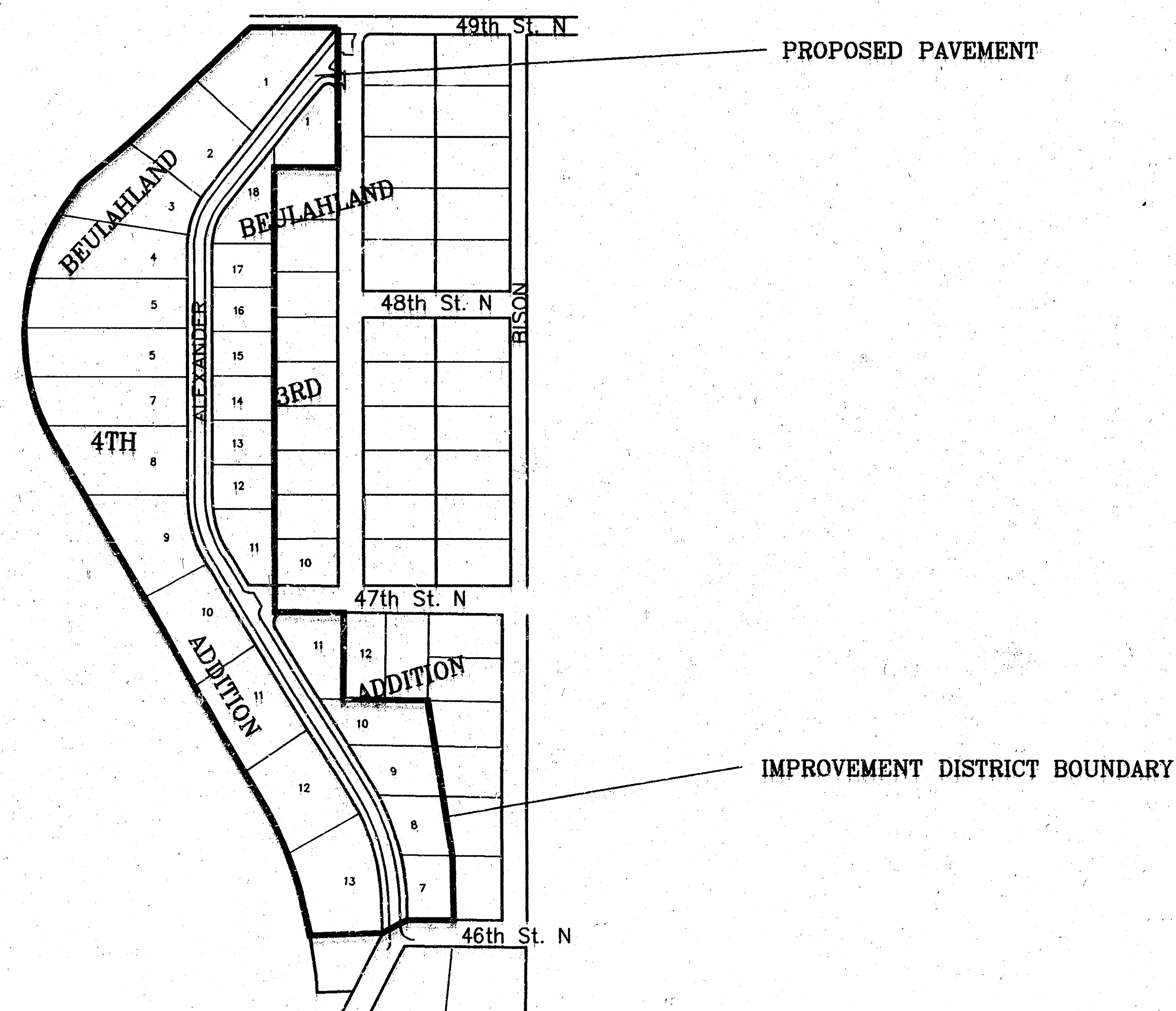
FROM N.L. 46TH ST. NO. TO S.L. 49TH ST. NO.

PROJ. NO. 472-82546

INDEX NO. 762930

CITY OF WICHITA, KANSAS

M. E. LINDEBAK - CITY ENGINEER



INDEX OF SHEETS

SHEET 1	-	TITLE SHEET
SHEET 2	-	CURVE DATA
SHEET 3-6	-	PAVING PLANS

C CURVE DATA							
RADIUS = 470.92'		TANGENT = 137.48'		EXTERNAL = 19.66'		DOC = 12'10"00"	
CURVE DATA BASED ON C RADIUS $\Delta/2 = 16'16"30"$							
STATION	ARC LENGTH	EDGE ASPH. LENGTH		CHORD LENGTH		DEFLECTION ANGLE	C TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	IF OFF LEFT EDGE ASPH.	IF OFF RIGHT EDGE ASPH.		
1+40.33						0-0-0	C-0-0
1+50	9.67'	9.40'	9.94'	9.24'	10.10'	0-35-18	0-36-18
1+75	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	2-6-33
2+00	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	3-37-48
2+25	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	5-9-3
2+50	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	6-40-18
2+75	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	8-11-33
3+00	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	9-42-48
3+25	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	11-14-3
3+50	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	12-45-18
3+75	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	14-16-33
4+00	25.00'	24.31'	25.61'	23.88'	26.11'	1-31-15	15-47-48
4+07.86	7.86'	7.64'	8.08'	7.51'	8.21'	0-28-41	16-16-30
TOTAL	267.53'	260.14'	274.92'			Defl./ft. = 6.1157 min.	

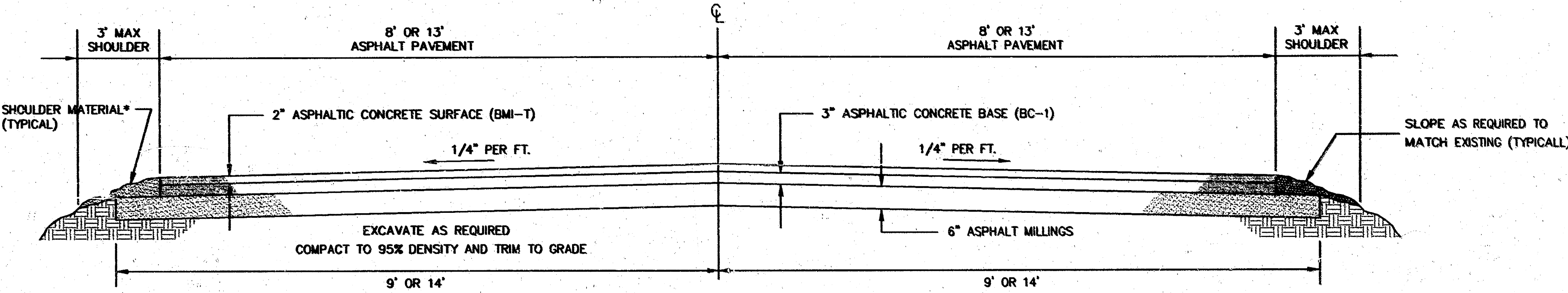
C CURVE DATA							
RADIUS = 257.73'		TANGENT = 75.24'		EXTERNAL = 10.76'		DOC = 16'18"32"	
CURVE DATA BASED ON C RADIUS $\Delta/2 = 16'16"31"$							
C STATION	C ARC LENGTH	EDGE ASPH. LENGTH		CHORD LENGTH		DEFLECTION ANGLE	C TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	IF OFF LEFT EDGE ASPH.	IF OFF RIGHT EDGE ASPH.		
10+49.94	—	—	—	—	—	0-0-0	0-0-0
10+50	.06'	.06'	.06'	.06'	.06'	0-0-24	0-0-24
10+75	25.00'	26.26'	23.74'	27.04'	22.96'	2-46-44	2-47-8
11+00	25.00'	26.26'	23.74'	27.04'	22.96'	2-46-44	5-33-52
11+25	25.00'	26.26'	23.74'	27.04'	22.96'	2-46-44	8-20-36
11+50	25.00'	26.26'	23.74'	27.04'	22.96'	2-46-44	11-7-20
11+75	25.00'	26.26'	23.74'	27.04'	22.96'	2-46-44	13-54-4
11+96.36	21.36'	22.44'	20.28'	23.10'	19.82'	2-22-27	16-16-31
TOTAL	146.42'	153.81'	139.03'			Defl./ft. = 6.6693 min.	

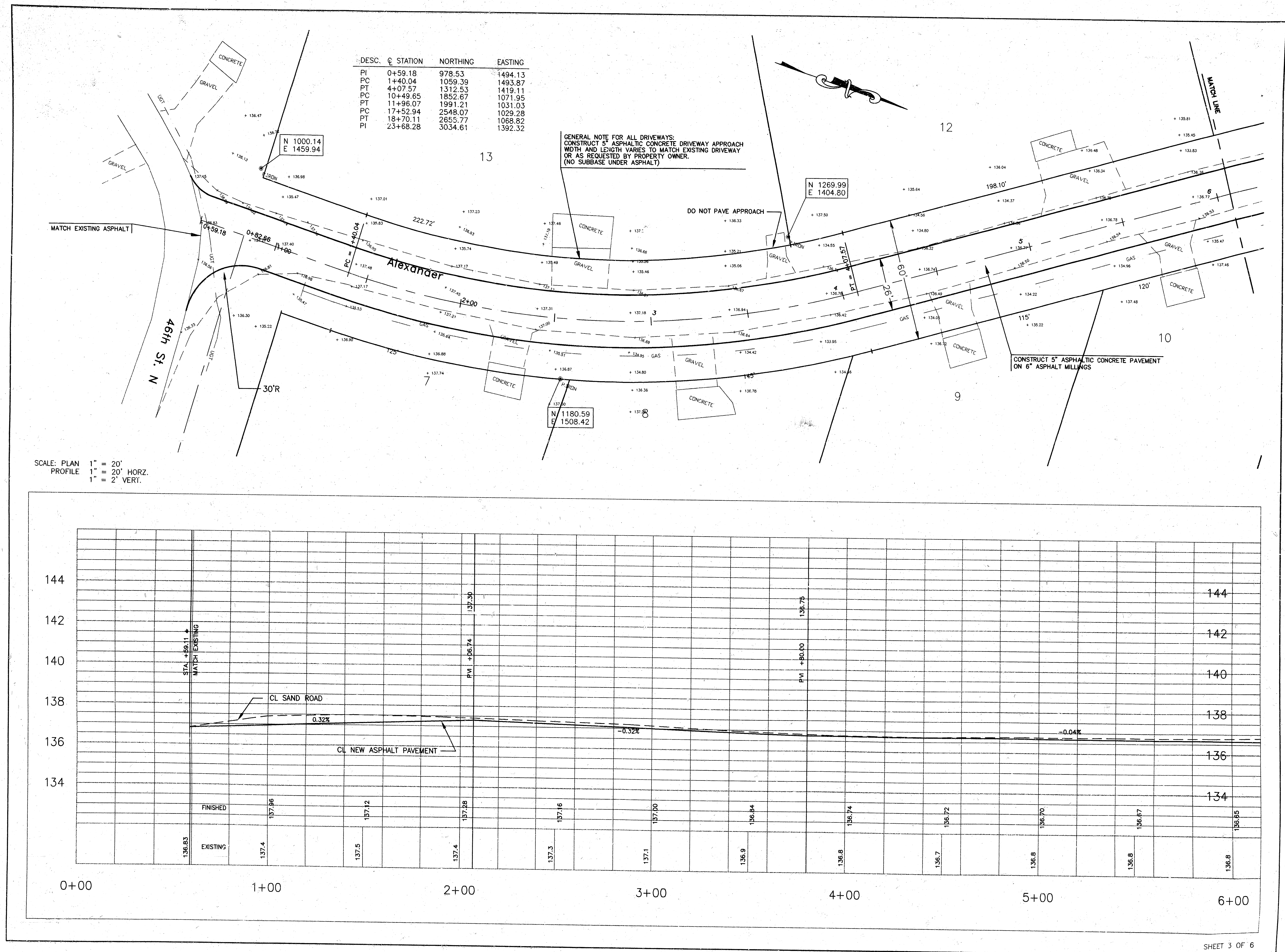
C CURVE DATA							
RADIUS = 165.05'		TANGENT = 66.35'		EXTERNAL = 10.69'		DOC = 34'42'51"	
CURVE DATA BASED ON C RADIUS $\Delta/2 = 20'5'18"$							
C STATION	C ARC LENGTH	EDGE ASPH. LENGTH		CHORD LENGTH		DEFLECTION ANGLE	C TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	IF OFF LEFT EDGE ASPH.	IF OFF RIGHT EDGE ASPH.		
17+53.23	—	—	—	—	—	0-0-0	0-0-0
17+75	25.00'	26.98'	23.04'	28.19'	21.83'	3-46-47	3-46-47
18+00	25.00'	26.98'	23.04'	28.19'	21.83'	4-20-26	8-7-13
18+25	25.00'	26.98'	23.04'	28.19'	21.83'	4-20-26	12-27-39
18+50	25.00'	26.98'	23.04'	28.19'	21.83'	4-20-26	16-48-66
18+68.93	18.93'	20.43'	17.44'	21.35'	16.53'	3-17-12	20-5-18
TOTAL	115.70'	124.85'	106.62'			Defl./ft. = 10.4174 min.	

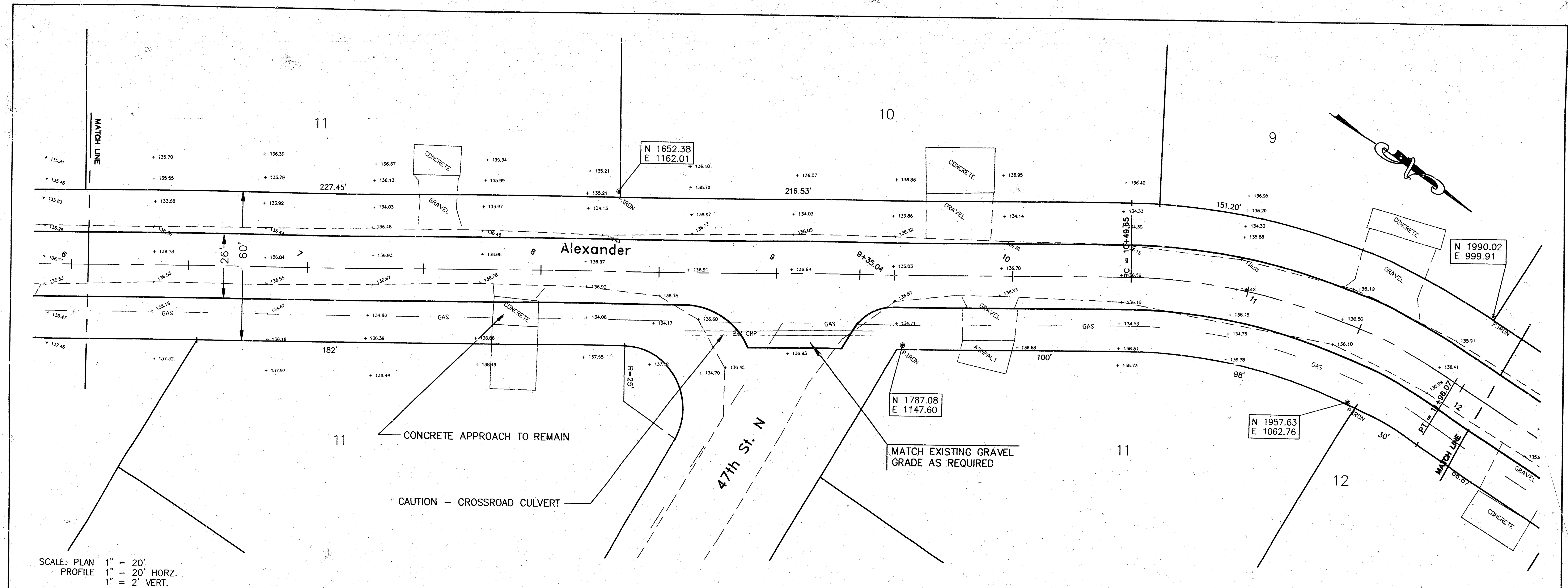
BENCHMARKS:

Seneca and 46th St. N
COW Bench Mark - east side concrete headwall
south side 46th St. 40' +/- west of Seneca
57.5' SW of intersection.
Elev. 136.48

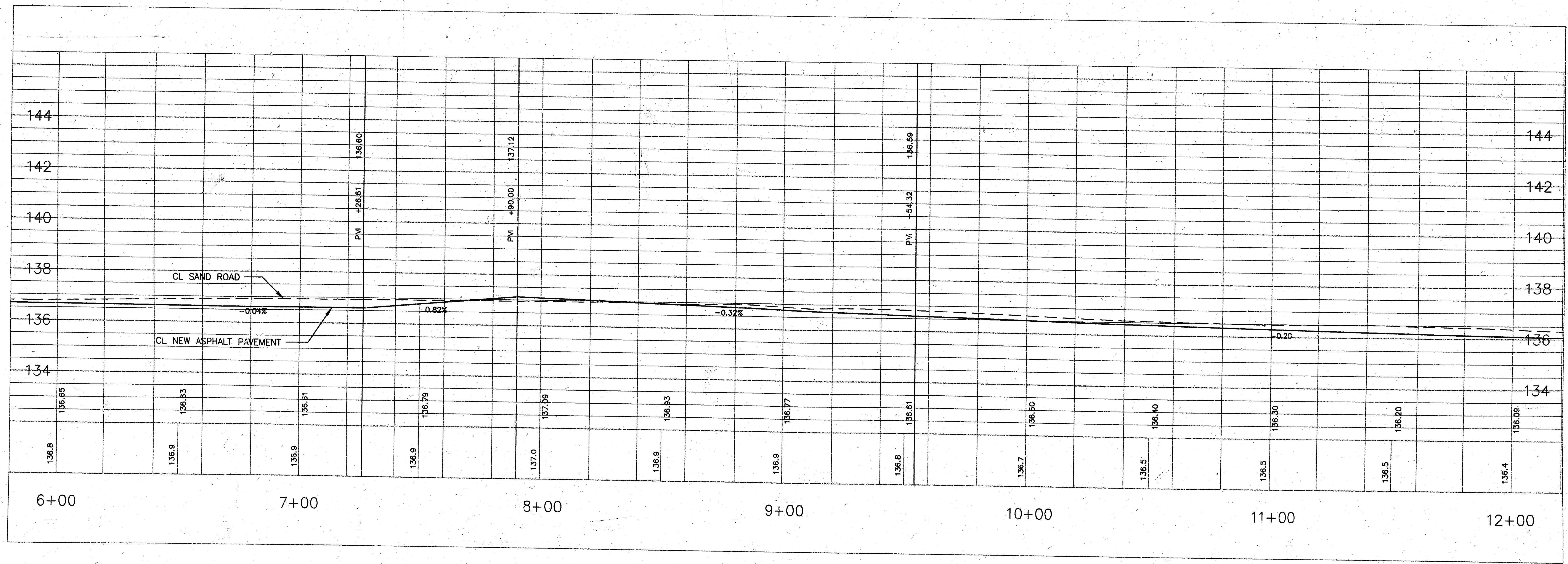
Alexander and 46th St. N
RR spike - east face of power pole, west side
of Alexander, south side of 46th St. N.
Elev. 138.36

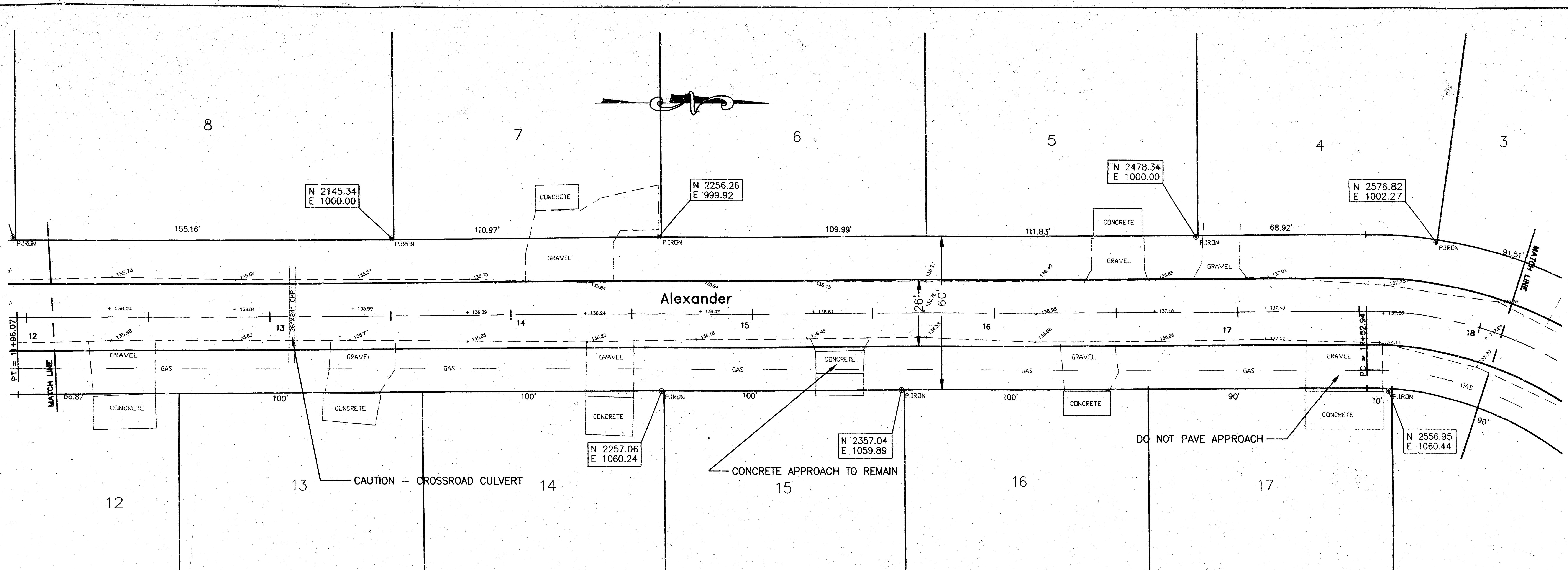






SCALE: PLAN 1" = 20'
 PROFILE 1" = 20' HORZ.
 1" = 2' VERT.





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