

STREETS IN BLUESTEM VILLAGE ADDITION

PROJECT NO.

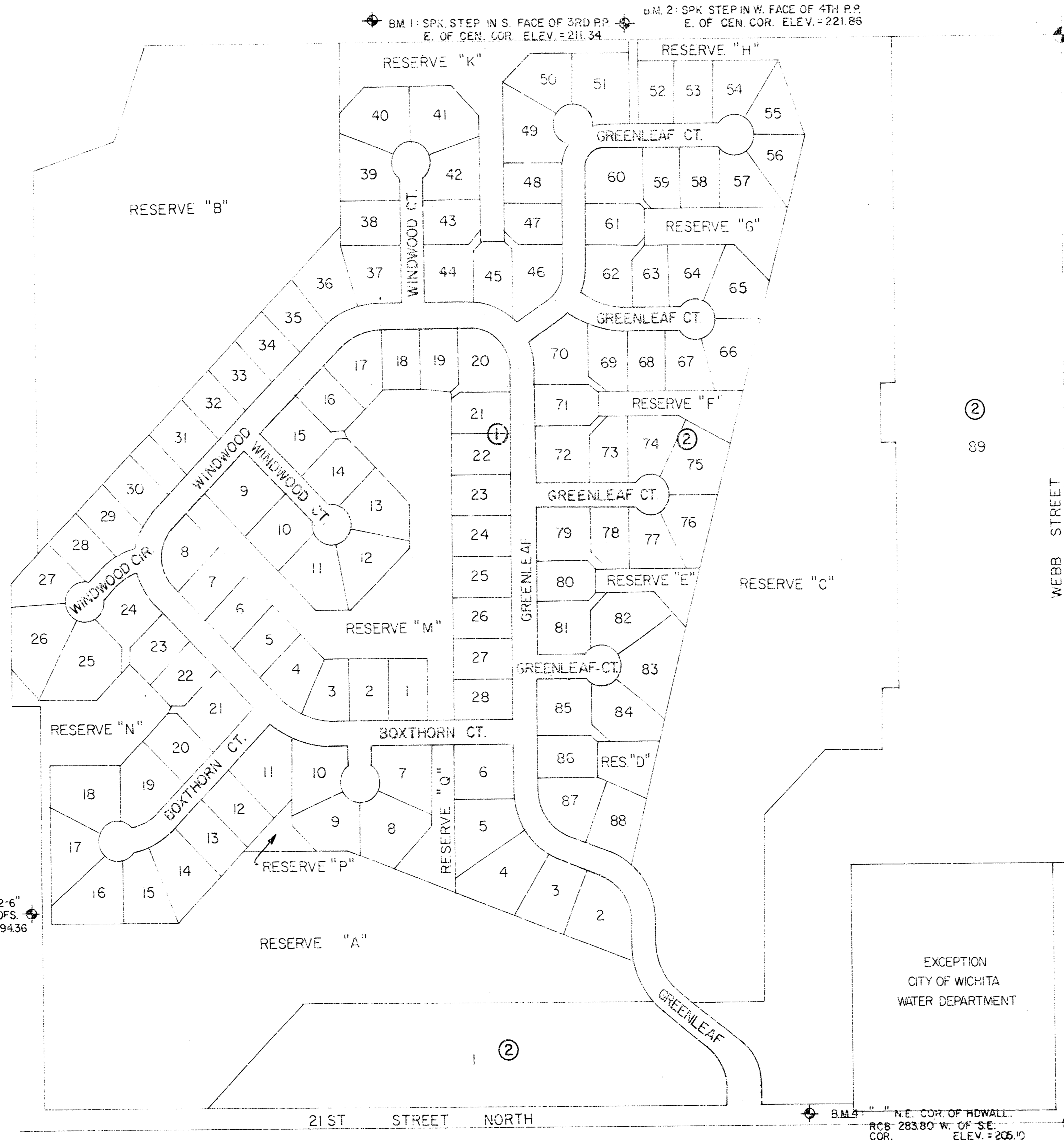
472-76-245-80917-000-000-001

CITY OF WICHITA, KANSAS
 R. W. BRUGGEMAN, CITY ENGINEER
 SEPTEMBER, 1980



GREENLEAF FROM THE N. LINE OF 21ST ST. N. TO THE N. LINE OF LOT 1, BLK. 2
 GREENLEAF FROM THE N. LINE OF LOT 1, BLK. 2, TO THE N.W. LINE OF LOT 70, BLK. 2
 WINDWOOD FROM N.W. LINE OF LOT 70, BLK. 2, TO THE N.W. LINE OF LOT 24, BLK. 2
 BOXTHORN FROM N.W. LINE OF LOT 24, BLK. 2, TO THE W. LINE OF GREENLEAF
 GREENLEAF CT. SERVING LOTS 81 THROUGH 85, BLK. 2 FROM E. LINE OF GREENLEAF
 TO AND INCLUDING CUL-DE-SAC
 GREENLEAF CT. SERVING LOTS 72 THROUGH 79, BLK. 2 FROM THE EAST LINE OF
 GREENLEAF TO AND INCLUDING CUL-DE-SAC
 GREENLEAF CT. SERVING LOTS 46 THROUGH 61, BLK. 2 FROM THE N.E. LINE OF
 GREENLEAF TO AND INCLUDING CUL-DE-SAC
 GREENLEAF CT. SERVING LOTS 62 THROUGH 70, BLK. 2, FROM THE E. LINE OF
 GREENLEAF CT. TO AND INCLUDING CUL-DE-SAC
 WINDWOOD CT. SERVING LOTS 37 THROUGH 44, BLK. 2, FROM THE N. LINE OF
 WINDWOOD TO AND INCLUDING CUL-DE-SAC
 WINDWOOD CT. SERVING LOTS 9 THROUGH 15, BLK. 2, FROM THE S.E. LINE OF
 WINDWOOD TO AND INCLUDING CUL-DE-SAC
 WINDWOOD CIR. FROM THE S.W. LINE OF WINDWOOD TO AND INCLUDING CUL-
 DE-SAC
 BOXTHORN CT. SERVING LOTS 11 THROUGH 21, BLK. 2 FROM THE S.W. LINE OF
 TO AND INCLUDING CUL-DE-SAC
 BOXTHORN CT. SERVING LOTS 7 THROUGH 10, BLK. 2 FROM THE S. LINE OF BOX-
 THORN TO AND INCLUDING CUL-DE-SAC

SM 3: TOP BENT SPK E. ROOT 2'-6"
 HEDGE TREES 543 N. OF S.
 1/4 COR. 30' L.T. ELEV. = 194.56



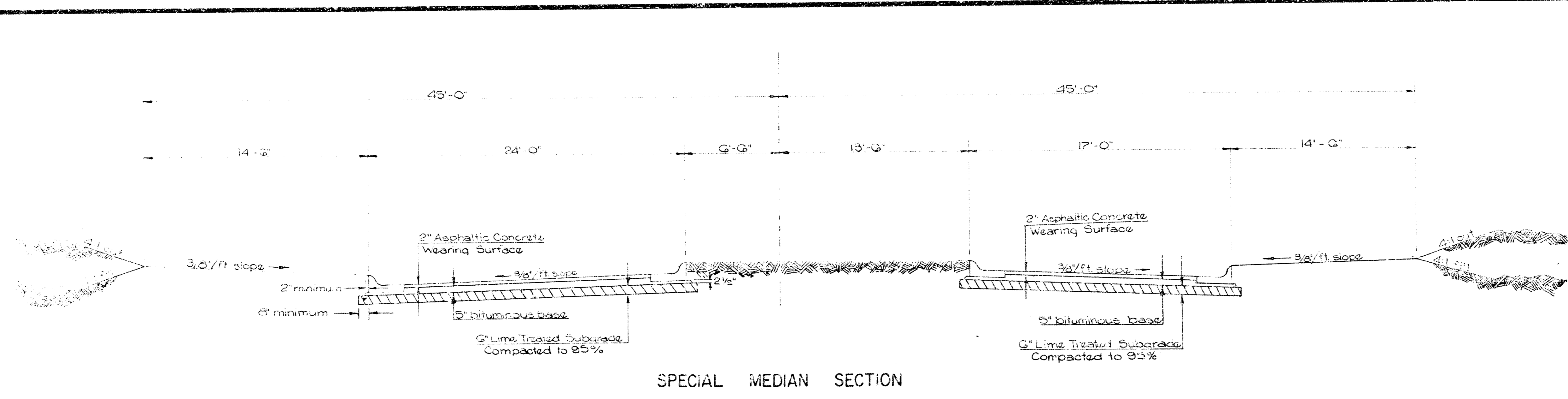
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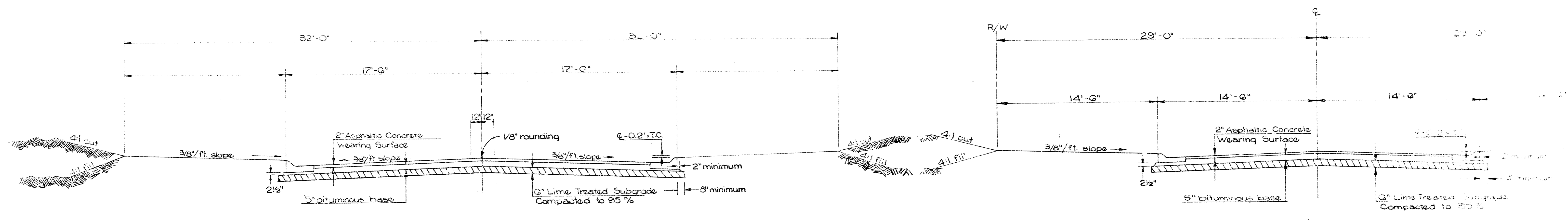


Van Doren - Hazard - Stallings

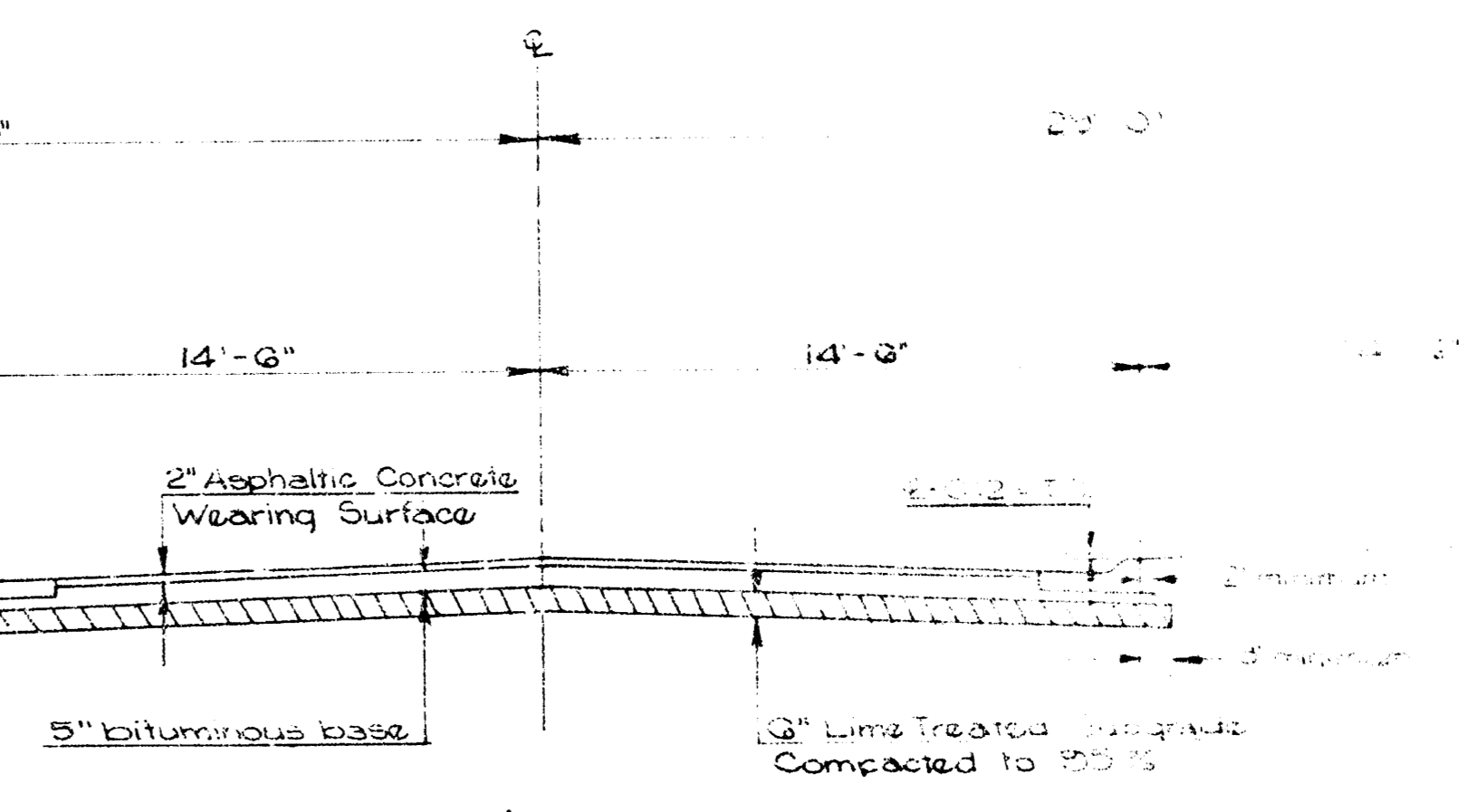
Architects - Engineers - Planners
 Topeka Wichita Minneapolis



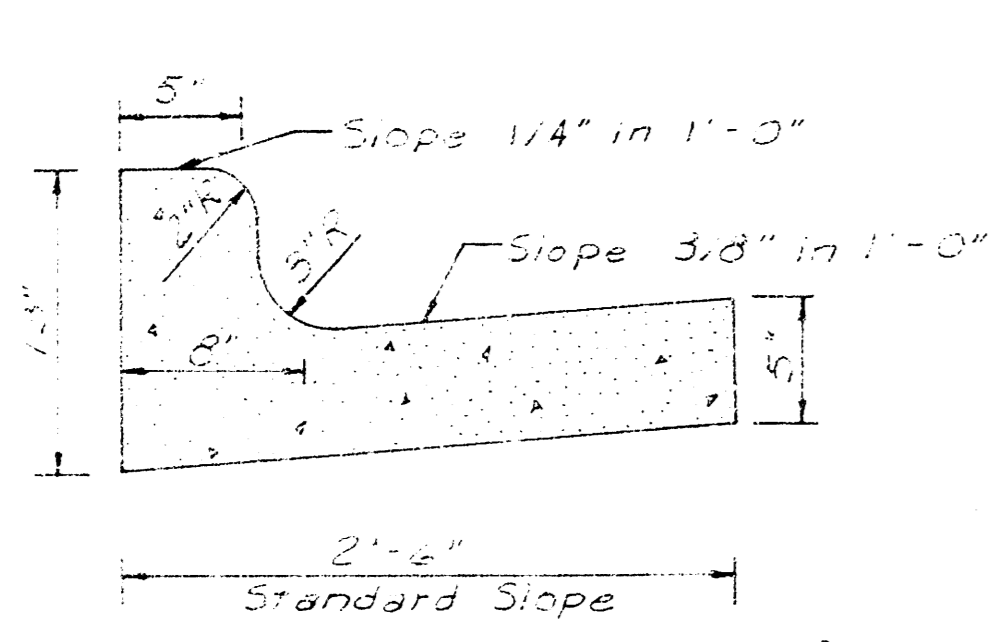
SPECIAL MEDIAN SECTION



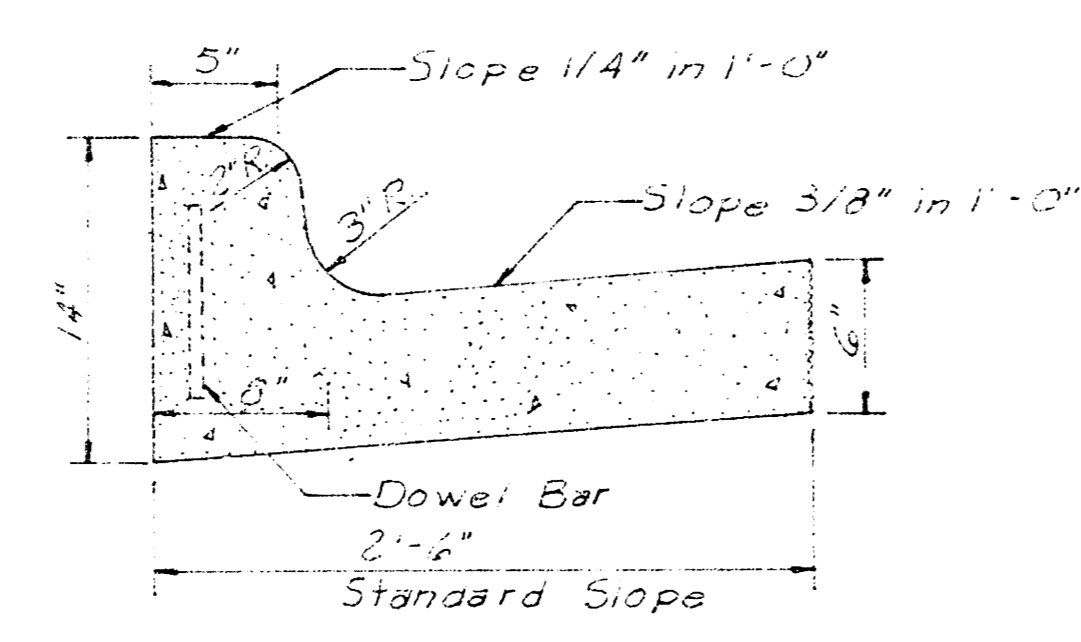
TYPICAL 35' B.B. SECTION



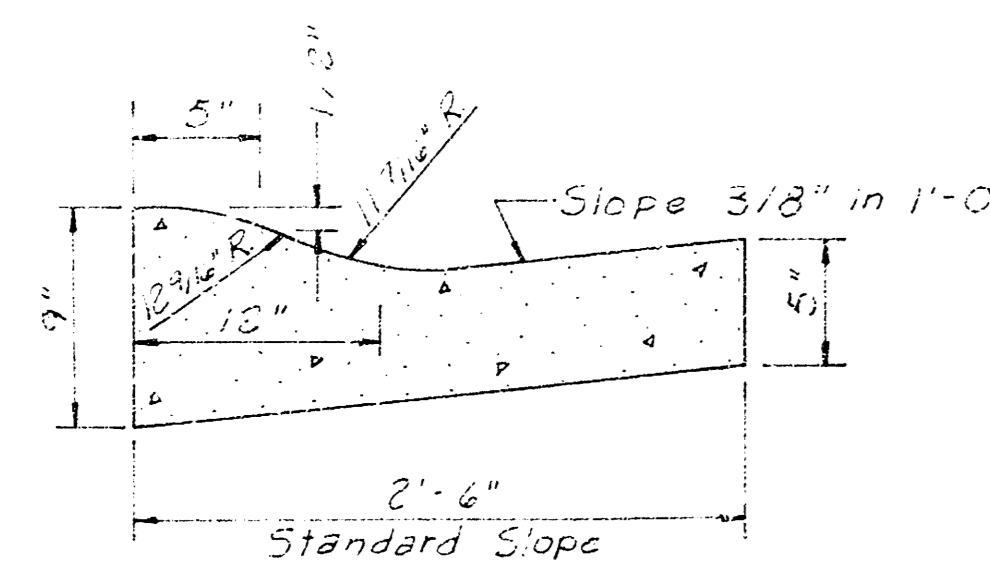
TYPICAL 29' B.B. SECTION



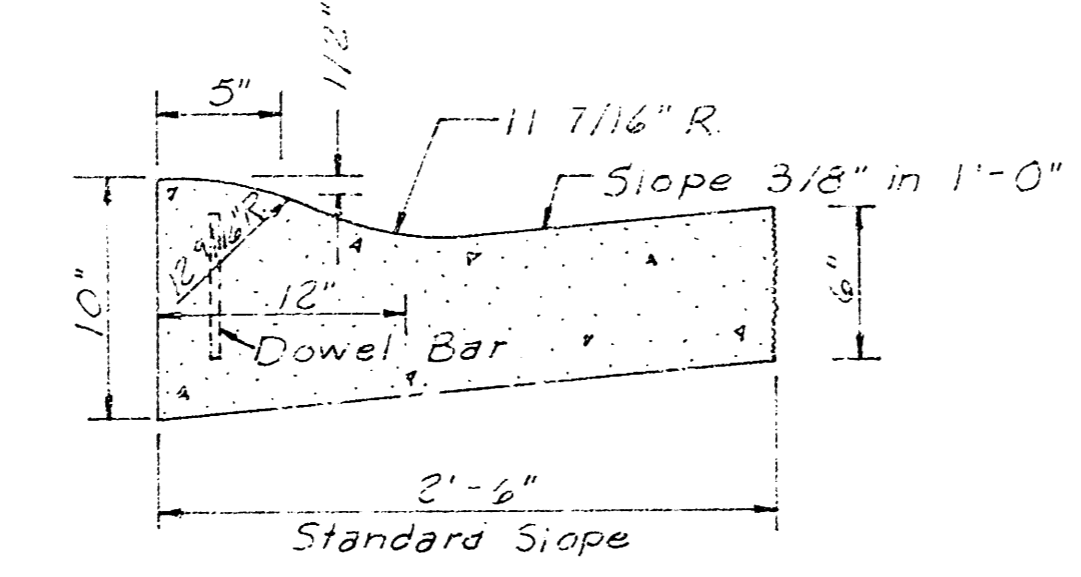
COMBINED CURB & GUTTER



STANDARD INTEGRAL CURB



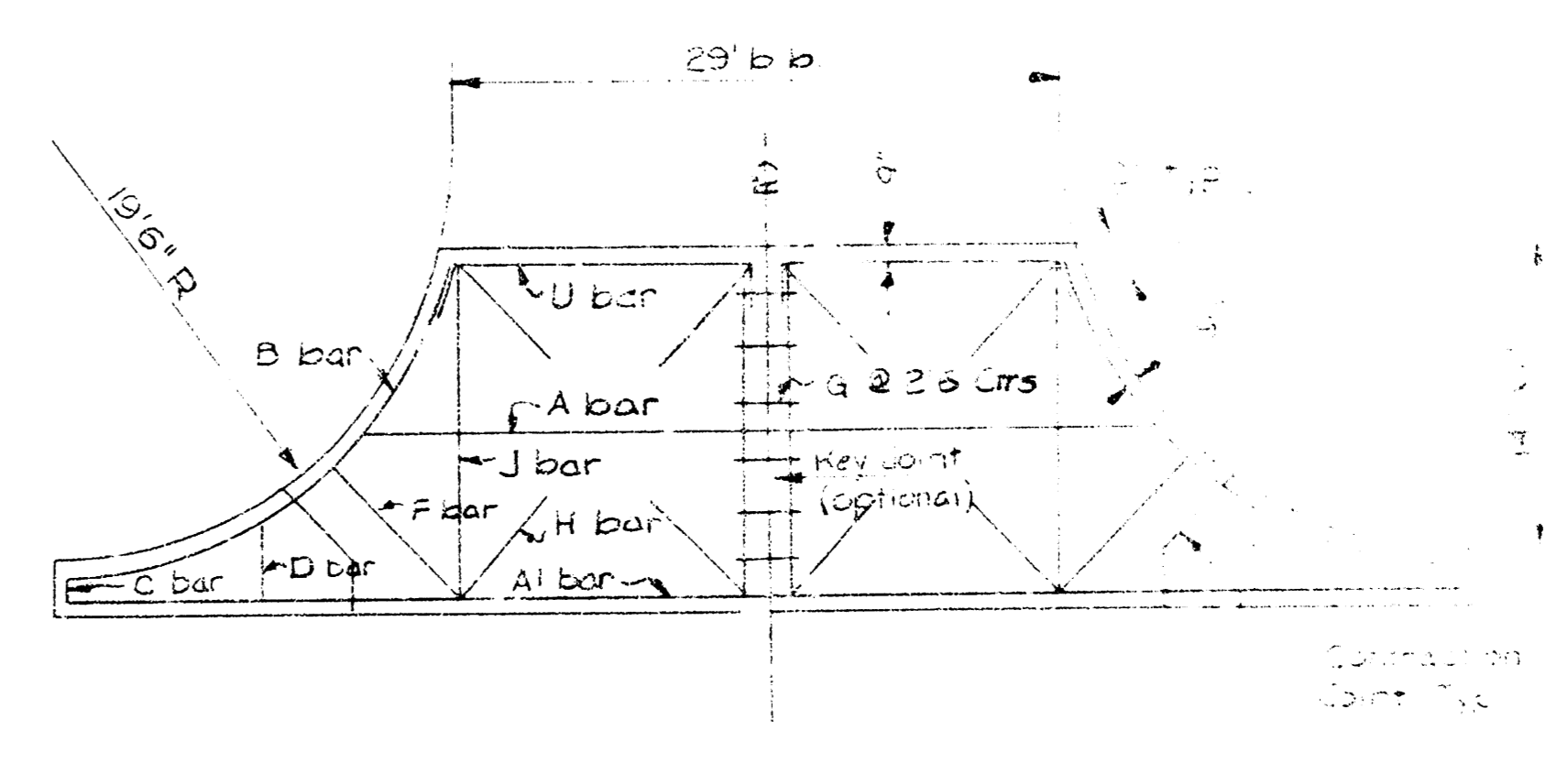
ROLL TYPE CURB & GUTTER



STANDARD INTEGRAL ROLL TYPE CURB & GUTTER

BILL OF MATERIALS

MARK	SIZE	QUAN	LENGTH	SHAPE
A	6	1	38'-0"	—
A-1	6	1	67'-0"	—
B	6	2	25'-0"	—
C	6	2	2'-0"	—
D	6	2	4'-0"	—
F	6	2	9'-0"	—
G	6	6	3'-6"	—
H	6	8	6'-0"	—
J	6	4	15'-0"	—
U	6	2	17'-6"	—
TOTAL LIN. FT				352'-0"



TYPICAL REINFORCING FOR VALLEY GUTTER
(5" CONCRETE SLAB - 2" ASPHALTIC CONCRETE BASE)

GENERAL NOTES

1. A Tack Coat of Emulsified Asphalt (SS - H) shall be applied at an approximate rate of 0.05 gallons per square yard between lifts of asphaltic materials when ordered by the engineer. Tack Coat will not be paid for directly and shall be considered as subsidiary to price bid for Asphaltic Pavement.
2. Bituminous Base and Asphaltic Concrete Wearing Surface shall be placed with a laydown machine having automatic electronic controls for cross and grade. Construction joints in each lift shall be staggered a minimum distance of 1 foot with joints in preceding lifts and such that a joint will be constructed on the present centerline in the top lift.
3. The A.C. Pavement between combined curb and gutter shall be paid as square yards 7" A.C. Pavement (5" Bituminous Base). The Bituminous Base under the combined curb and gutter shall be paid as square yards 2 1/2" Bituminous Base.
4. Construction joints may be constructed in Integral Curb by sawing with an approved concrete saw. The saw shall extend through the curb to the pavement. Sawn Construction joints shall have a maximum spacing of 15 feet.
5. Integral Curb shall be tied to the pavement base with short deformed Dowel Bars spaced 2' - 0" intervals. These Dowel Bars shall not be less than 1/2" or more than 5/8" in diameter.
6. Transition Curb shall be paid as Roll-Type Combination Curb and Gutter.
7. Grades at right of ways are 0.3' above top of curb.
8. The type of subgrade treatment shall be determined by the Field Engineer. Subgrade treatment may consist of lime treatment, cement treatment, subgrade modification or any combination of these.
9. No Driveways are to be constructed as a part of this contract without authorization from Construction Chief Engineer, Wichita, Kansas.

PAVING DETAILS

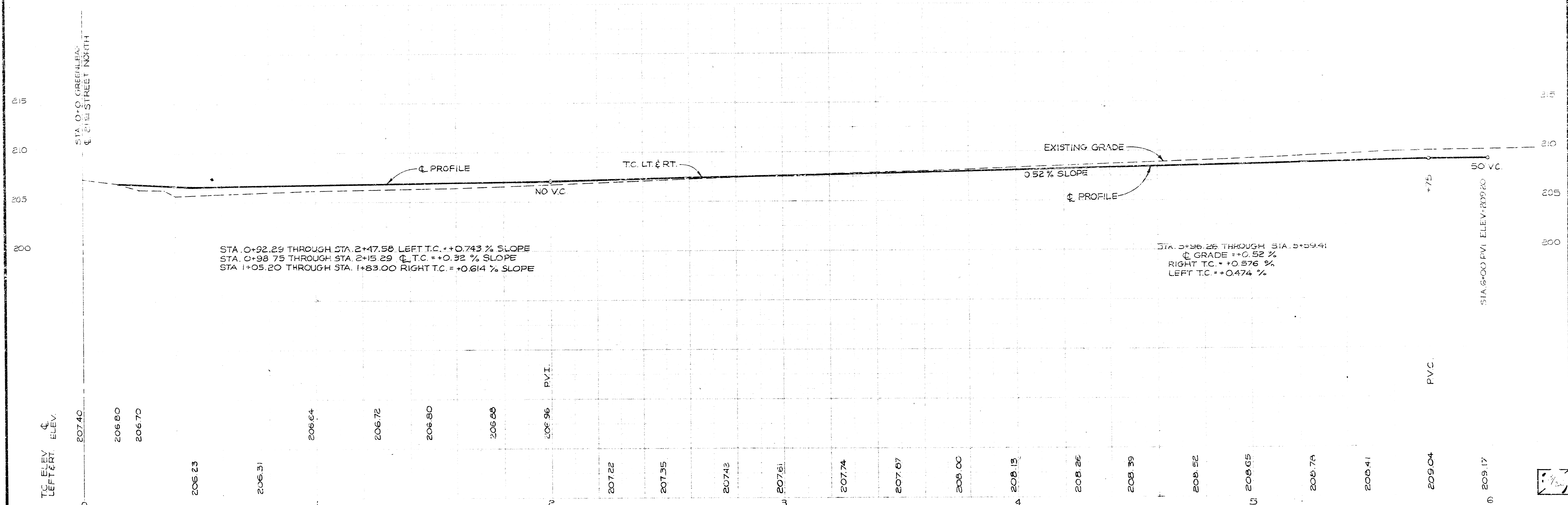
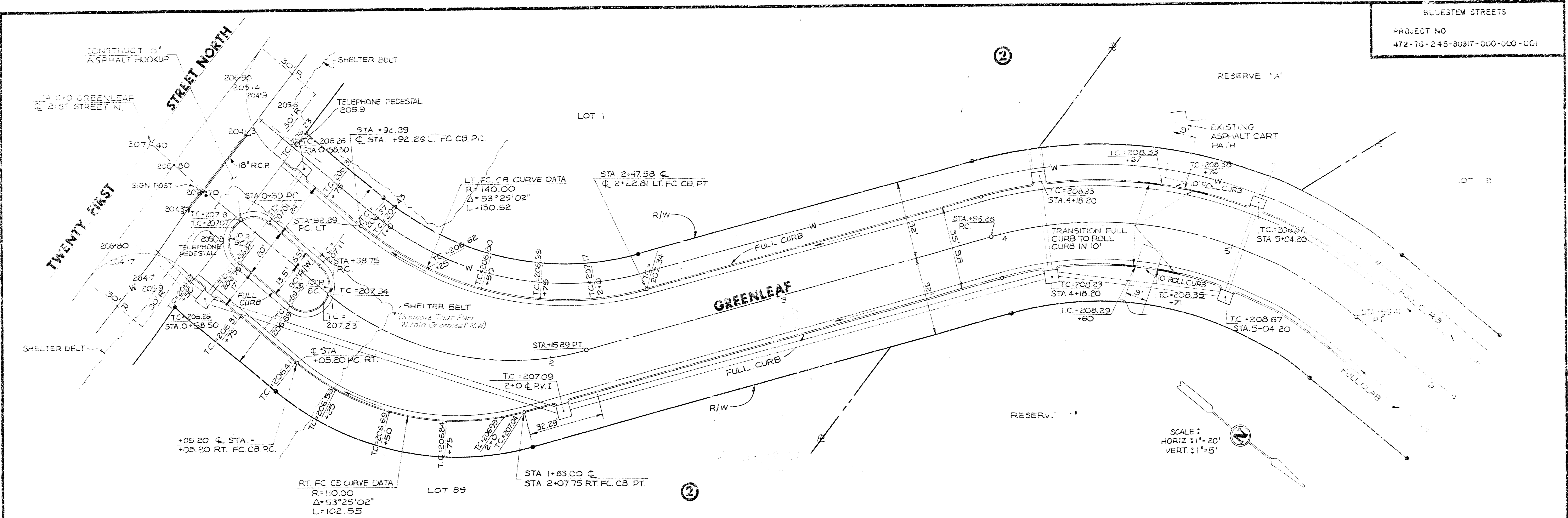
Design	
Drawn by	
Checked by	
Date	
Job no.	

Van Doren - Hazard - Stallings

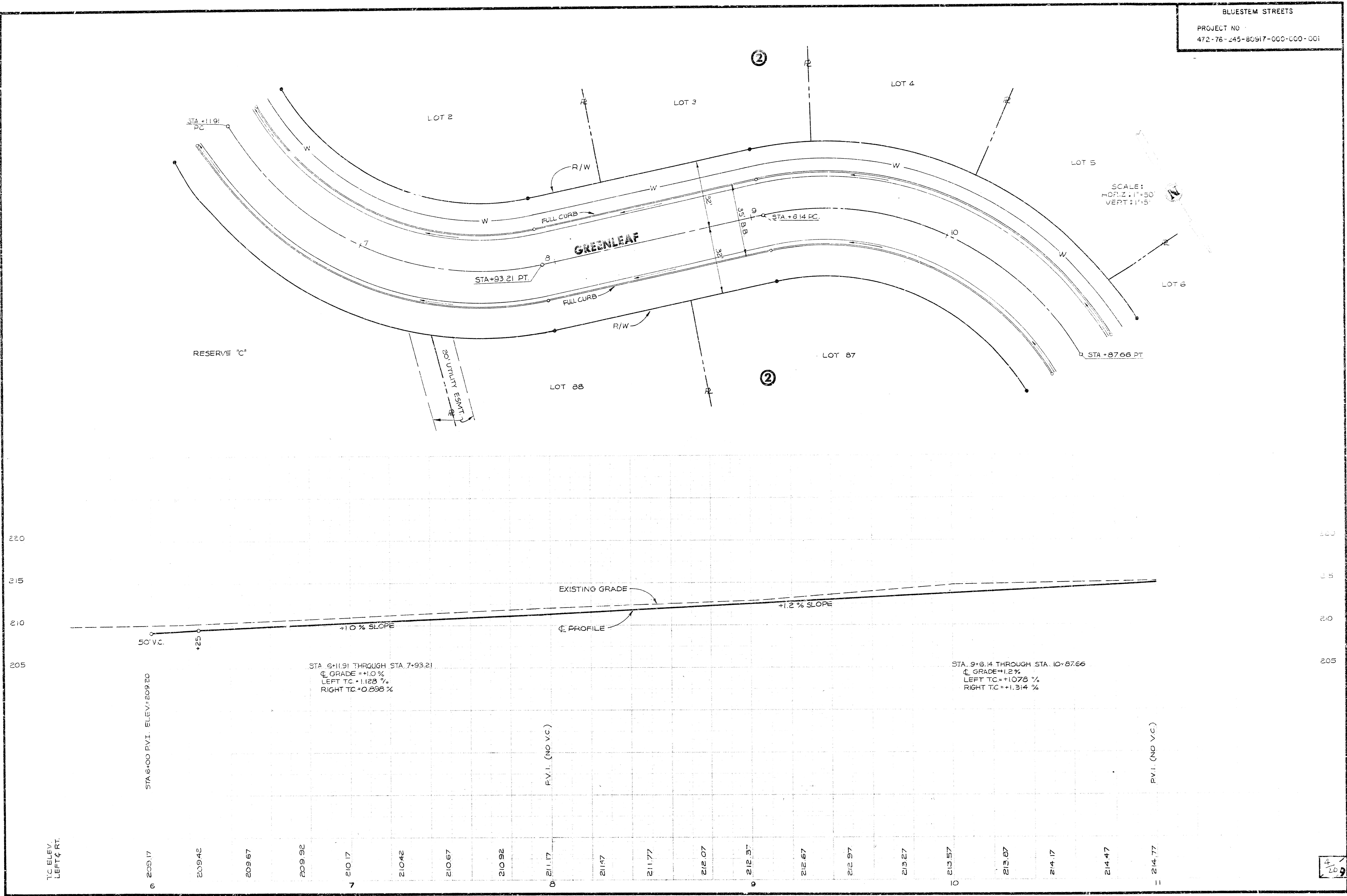
Architects • Engineers • Planners
Topeka Wichita Minneapolis

Sheet **2**
of **39**

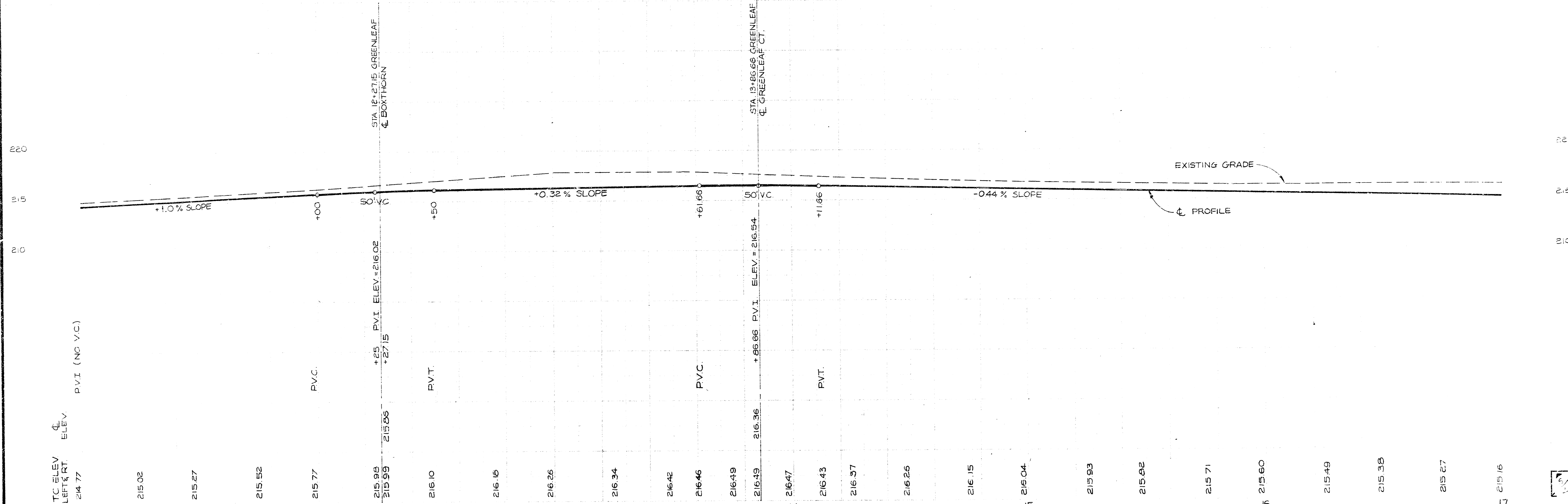
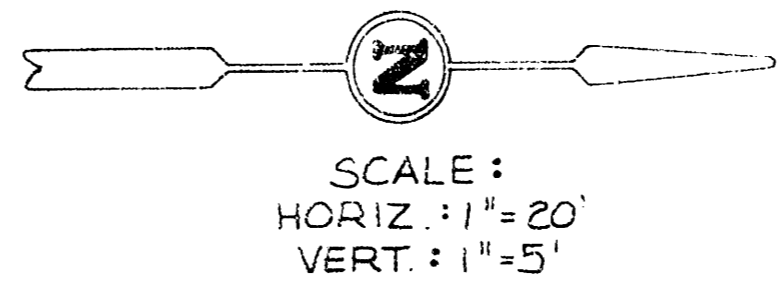
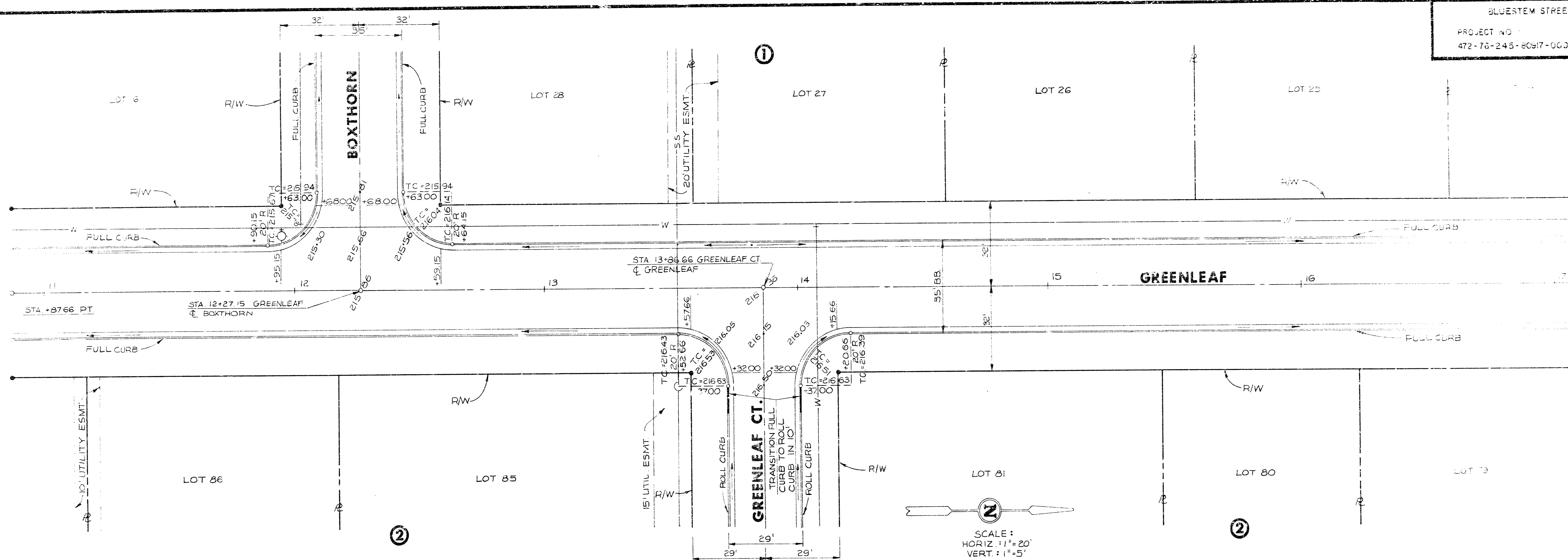
BLUESTEM STREETS
 PROJECT NO.
 472-75-245-80917-000-000-001



BLUESTEM STREETS
 PROJECT NO.
 472-76-245-80917-000-000-001



BLUESTEM STREETS
 PROJECT NO.
 472-70-245-80917-000-000-001



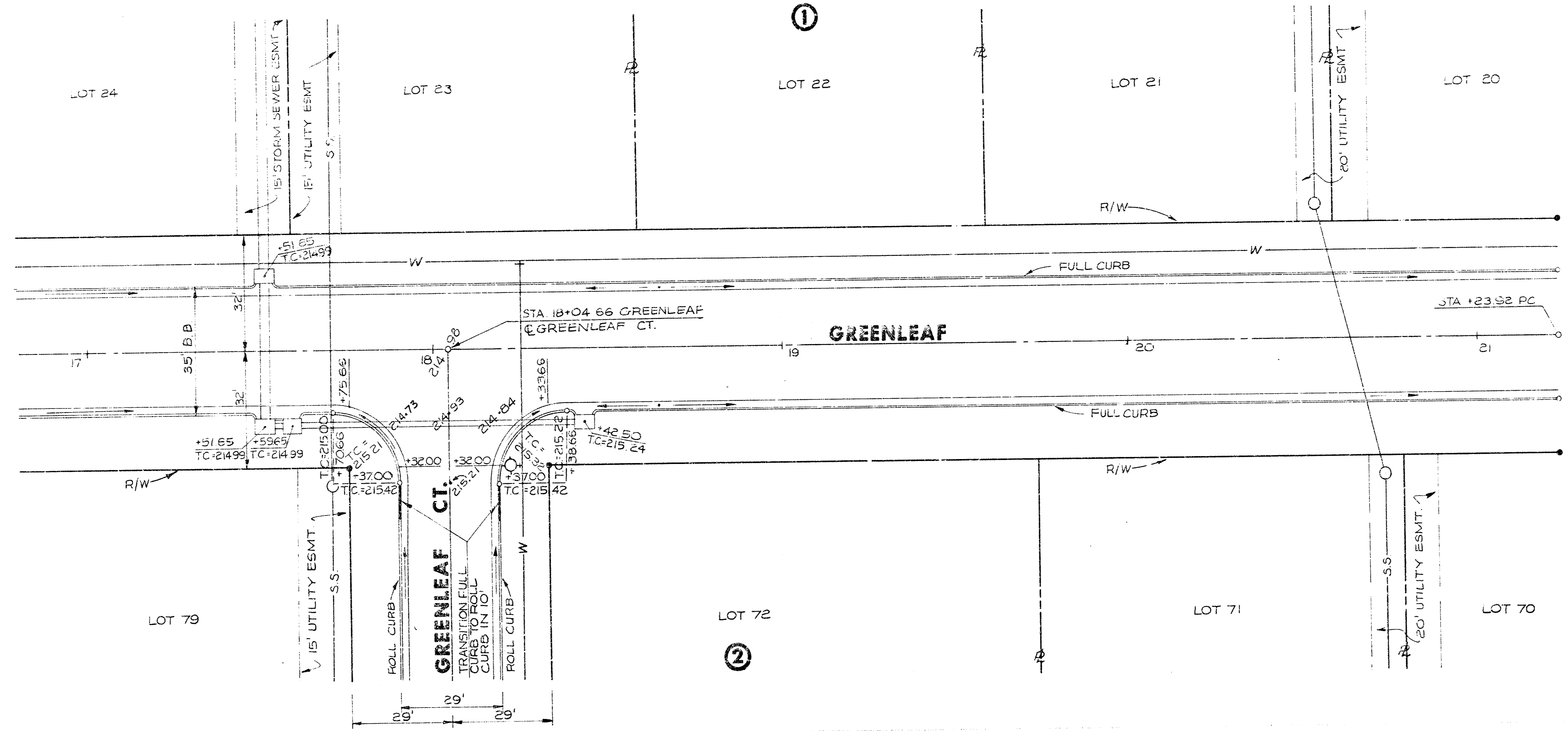
TC ELEV
 LEFT RT
 214.77

PVI (NG V.C.)

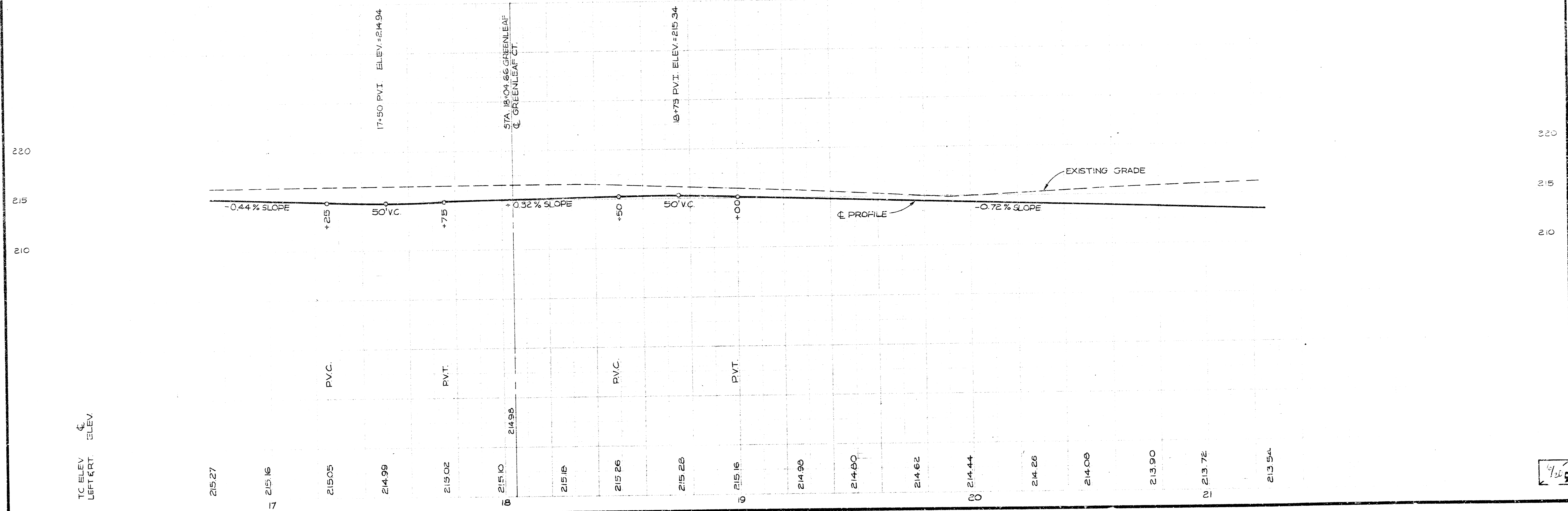
215.02
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 215.99
 216.10
 216.16
 216.26
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 216.49
 216.49
 216.47
 216.43
 216.37
 216.26
 216.15
 216.04
 215.93
 215.82
 215.71
 215.60
 215.49
 215.38
 215.27
 215.16

17 215.16

BLUESTEM STREETS
 PROJECT NO.
 472-73-245-8097-000-000-00



SCALE:
 HORIZ: 1"=100'
 VERT: 1"=5'



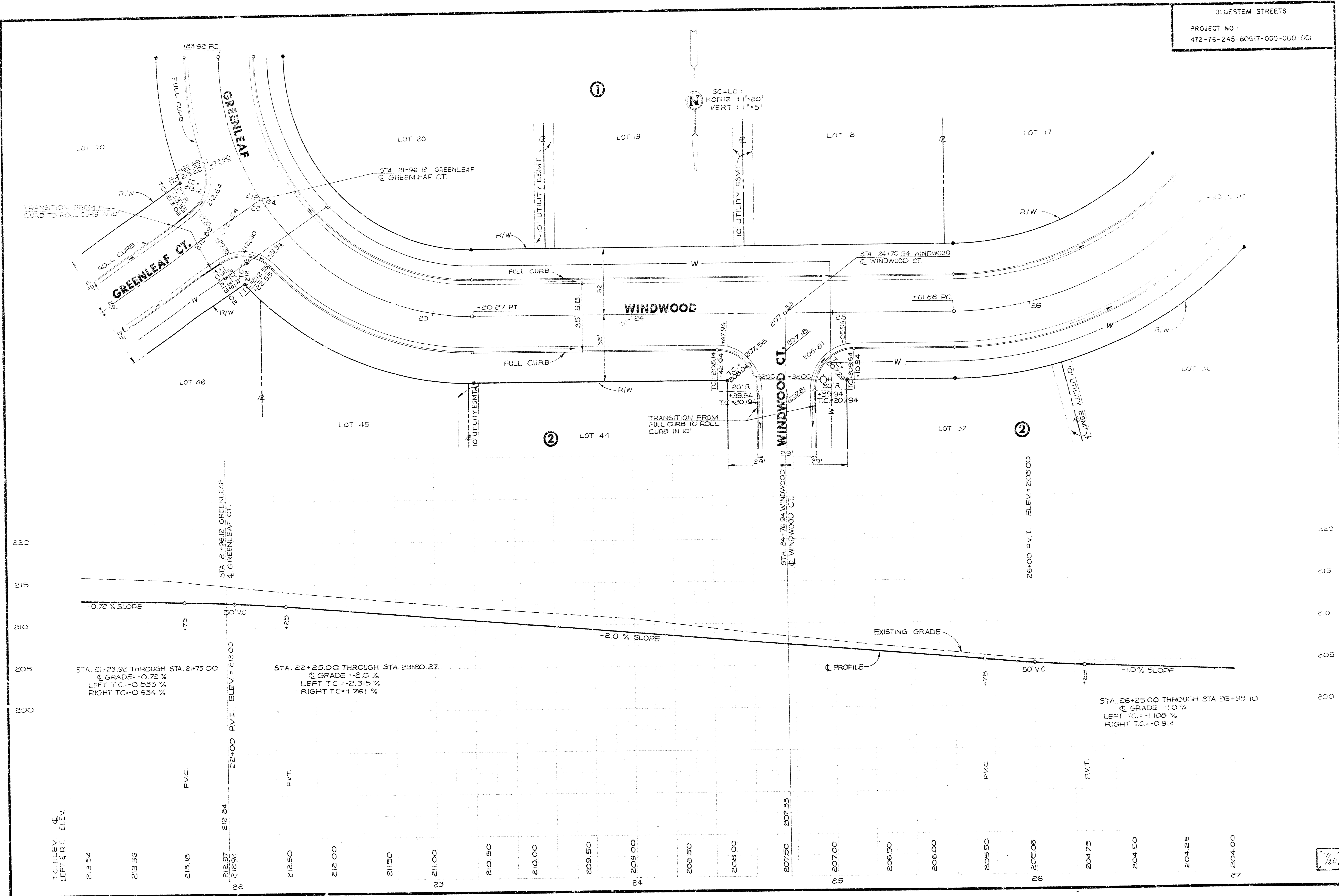
TC ELEV
 LEFT RT. ELEV

4/26

BLUESTEM STREETS

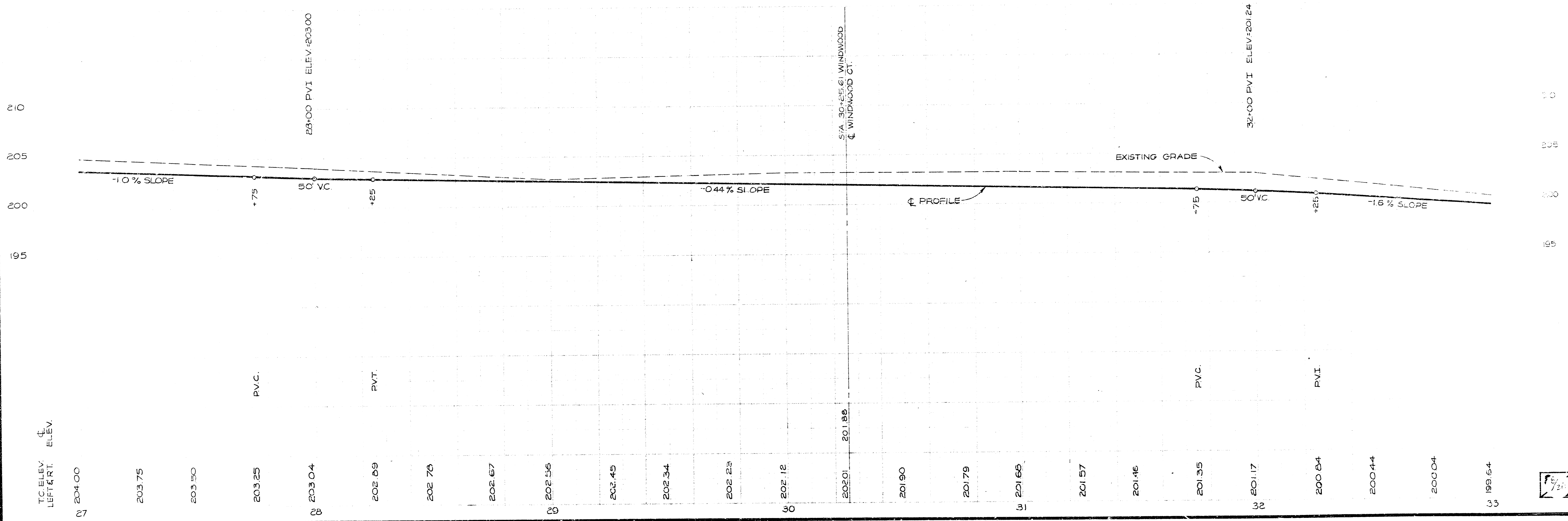
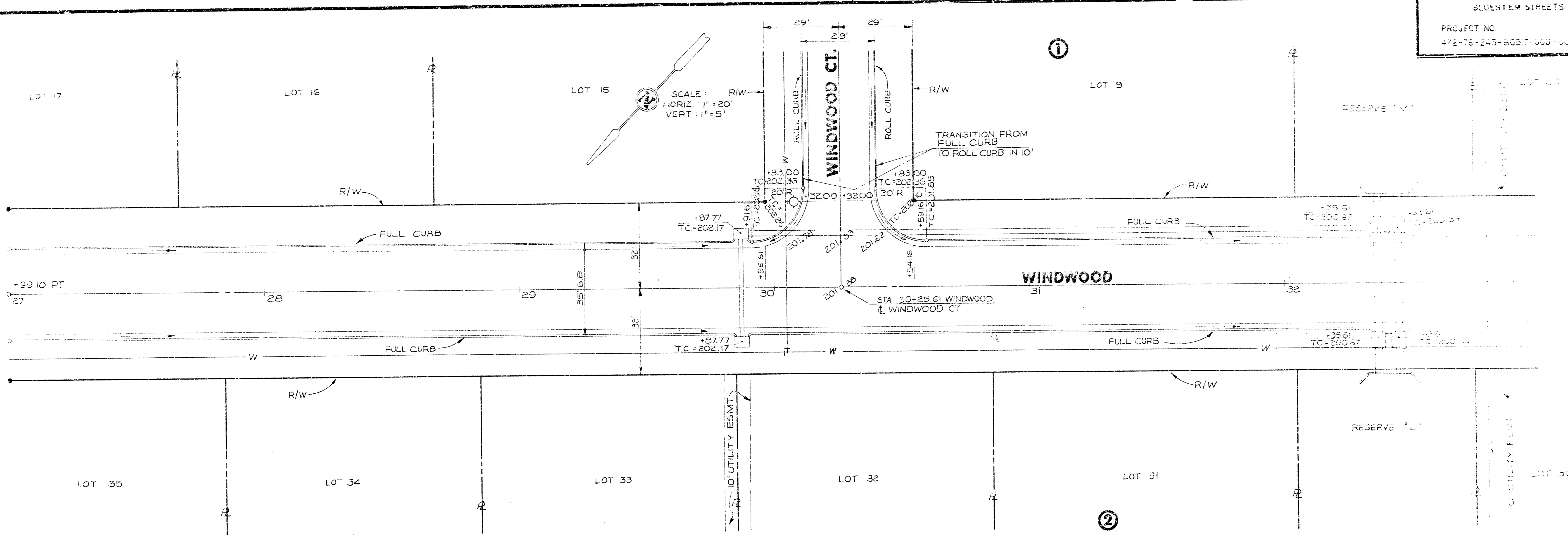
PROJECT NO:
472-75-245-80917-000-000-001

SCALE:
HORIZ: 1"=20'
VERT: 1"=5'



7/21/97

BLUESTEM STREETS
 PROJECT NO.
 472-76-245-8057-000-000+001

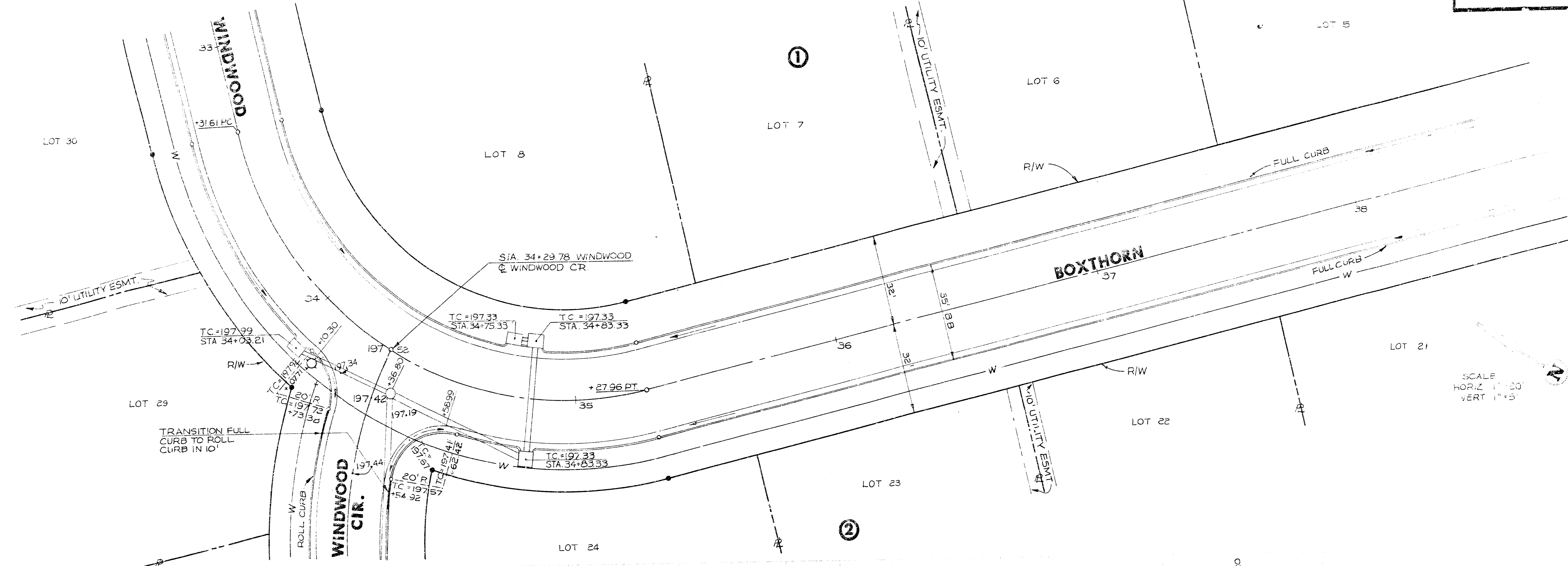


CL ELEV.
 LEFT & RT.

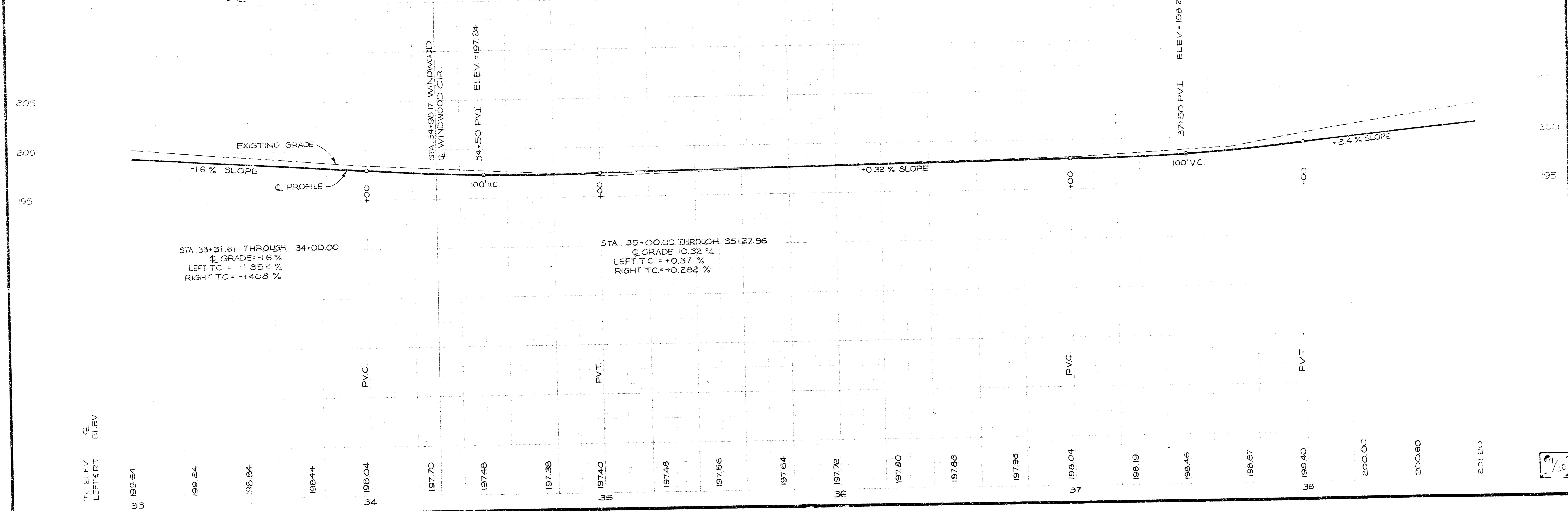
27 204.00
 28 203.75
 29 203.50
 30 203.25
 31 203.04
 32 202.89
 33 202.76
 202.67
 202.56
 202.45
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 202.25
 202.12
 202.01
 201.90
 201.79
 201.66
 201.57
 201.46
 201.35
 201.17
 200.84
 200.44
 200.04
 199.64

1/21

BLUESTEM STREETS
 PROJECT NO. 472-76-245-80917-000-000-001



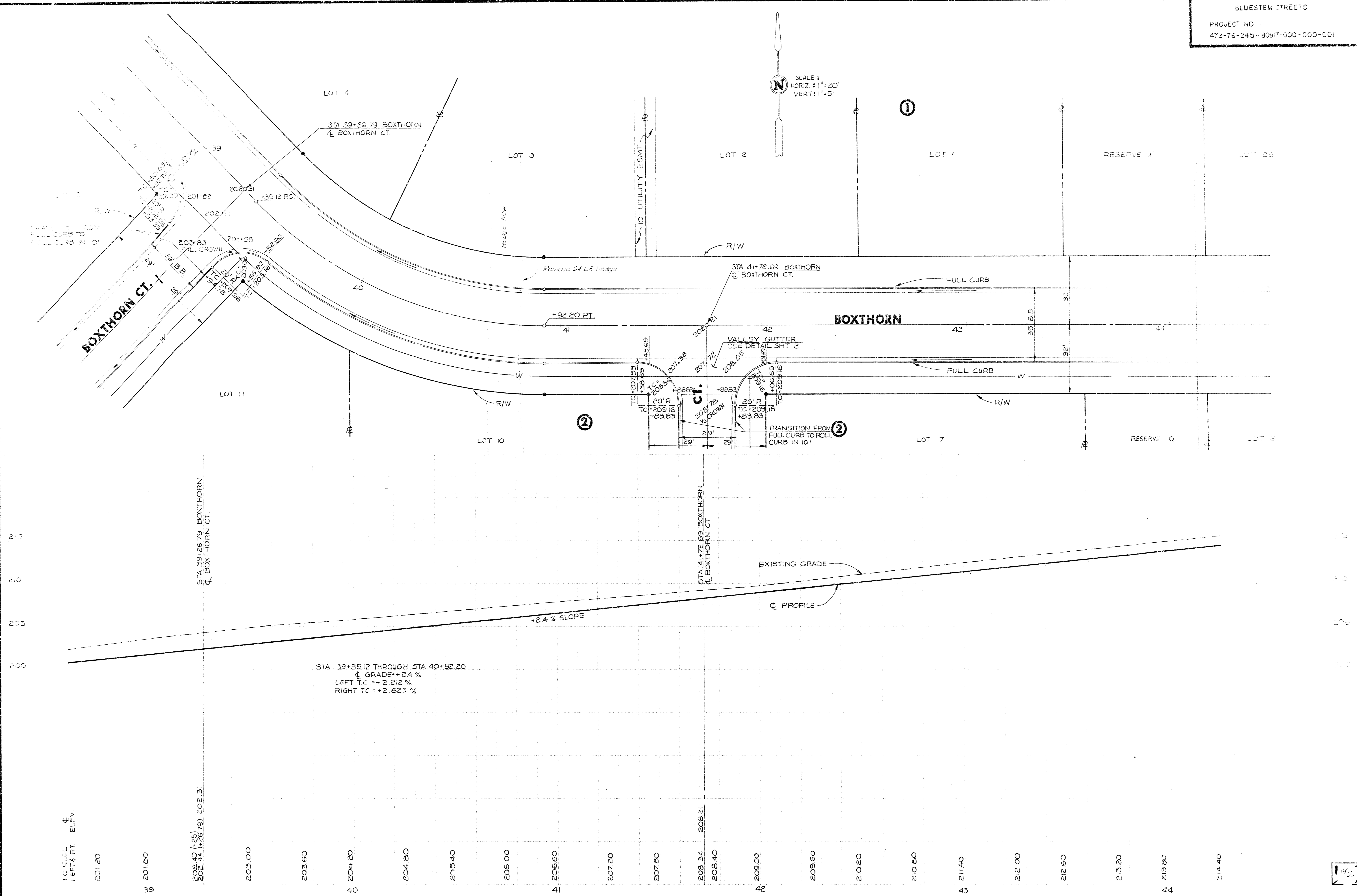
SCALE
 HORIZ. 1"=100'
 VERT. 1"=5'



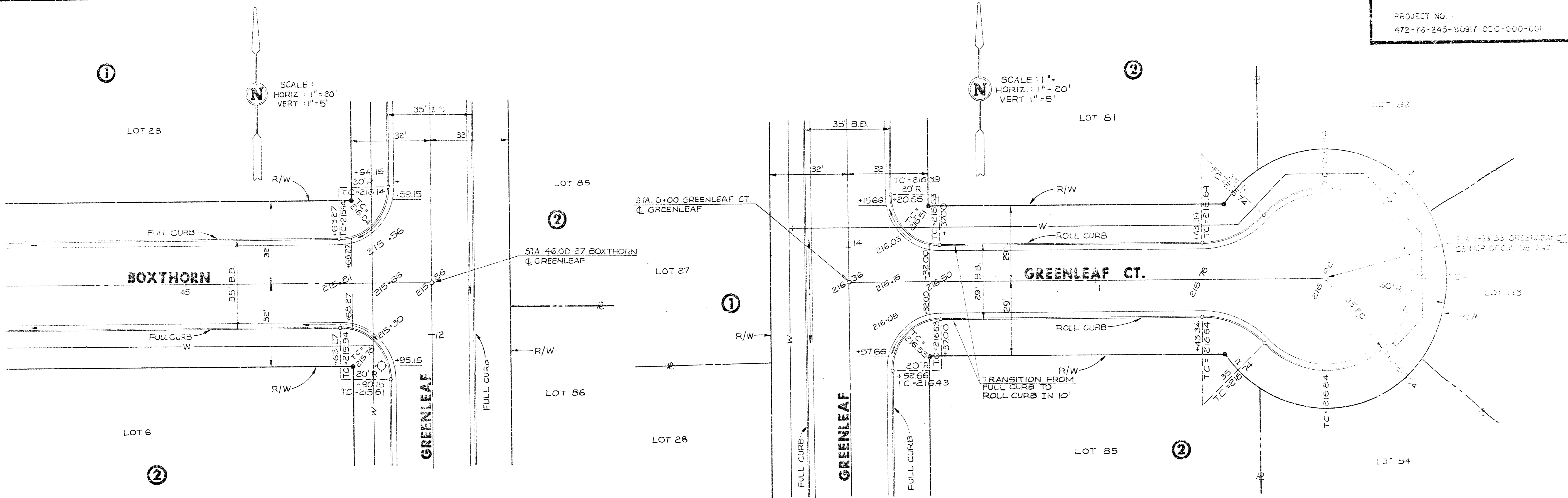
1/18

BLUESTEM STREETS
 PROJECT NO
 472-76-243-80917-000-000-001

SCALE:
 HORIZ: 1"=20'
 VERT: 1"=5'

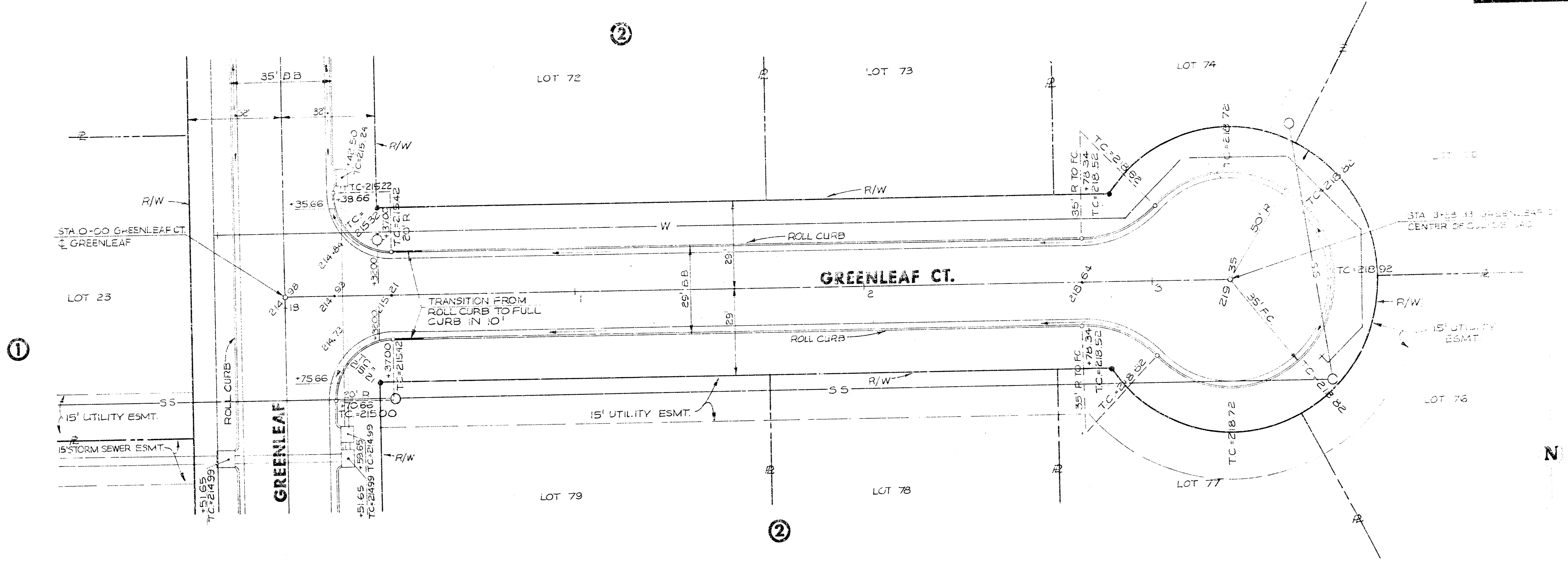


1430



1/16/20

BLUESTEM STREETS
 PROJECT NO.
 472-75-245-609.7-000-000-001



N
 SCALE
 1" = 20'
 1/4" = 5'

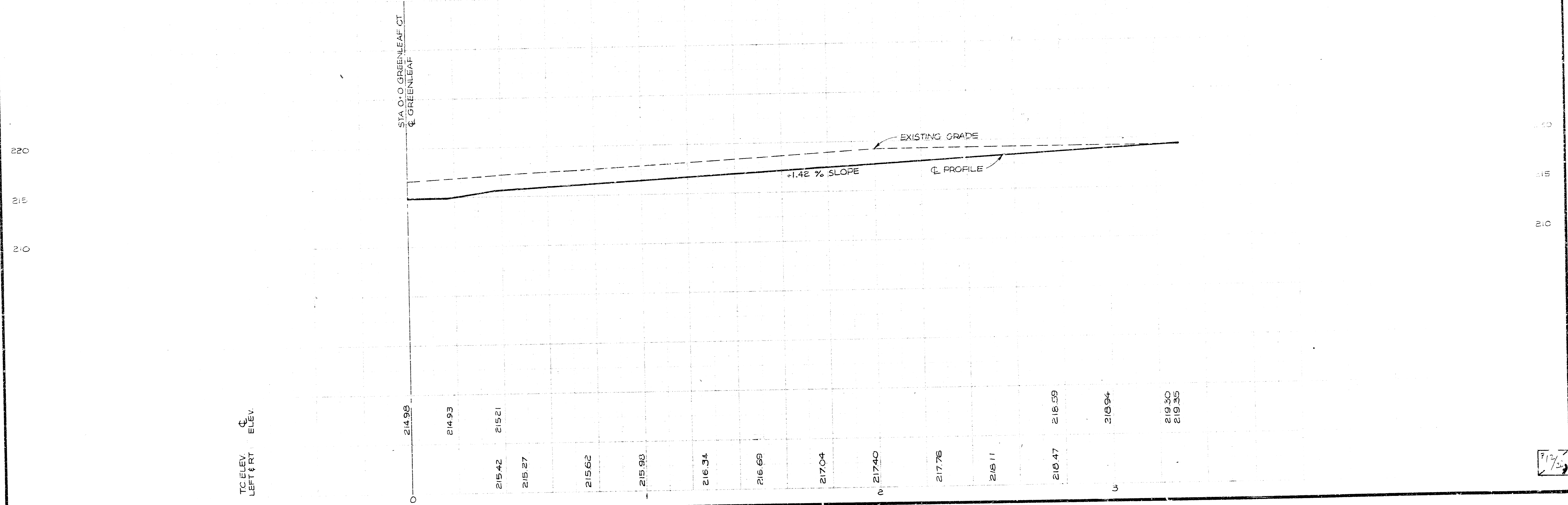
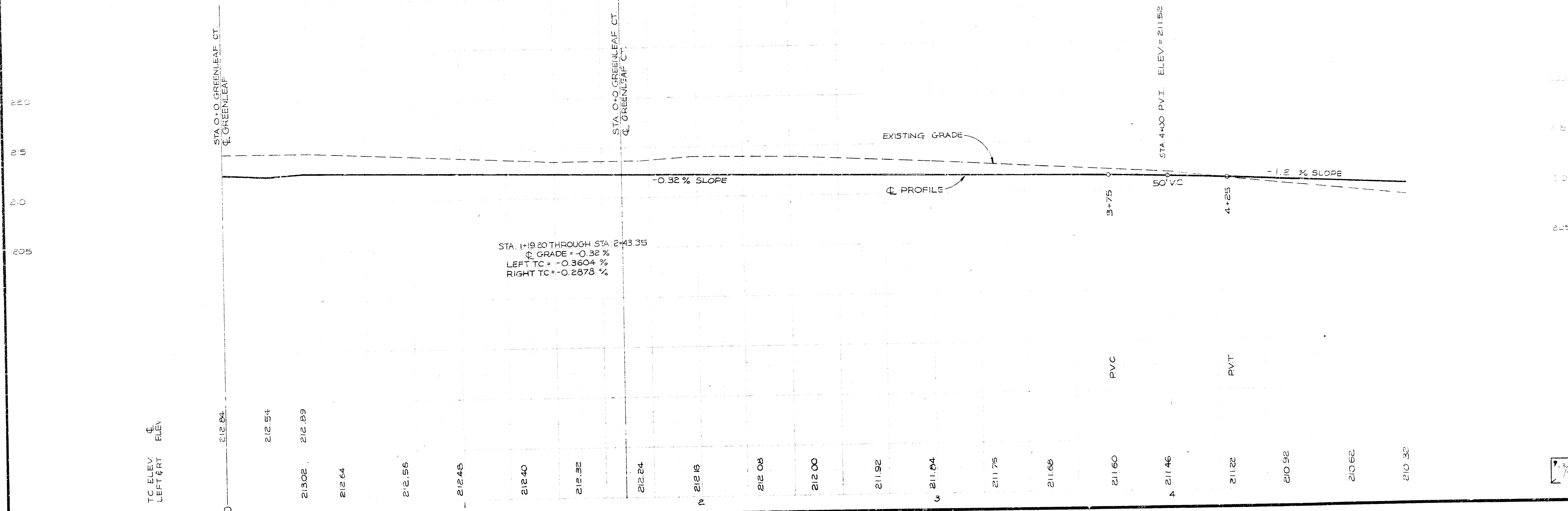
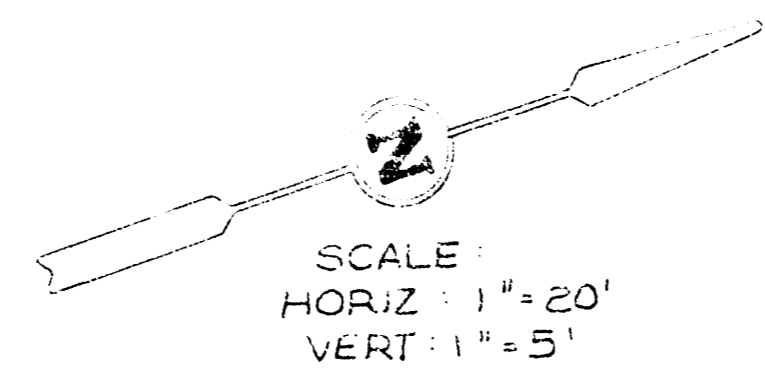
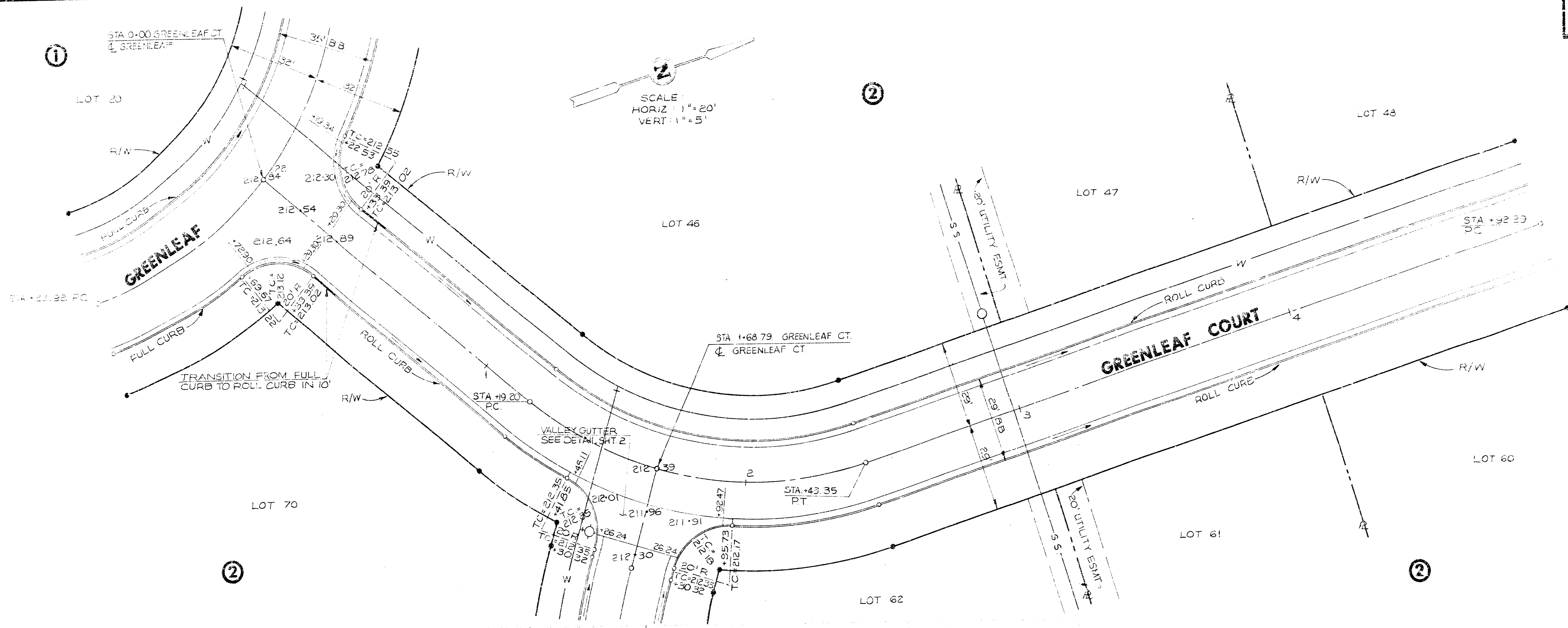


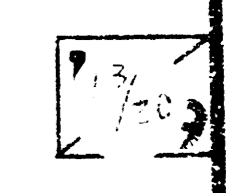
Fig 2/2

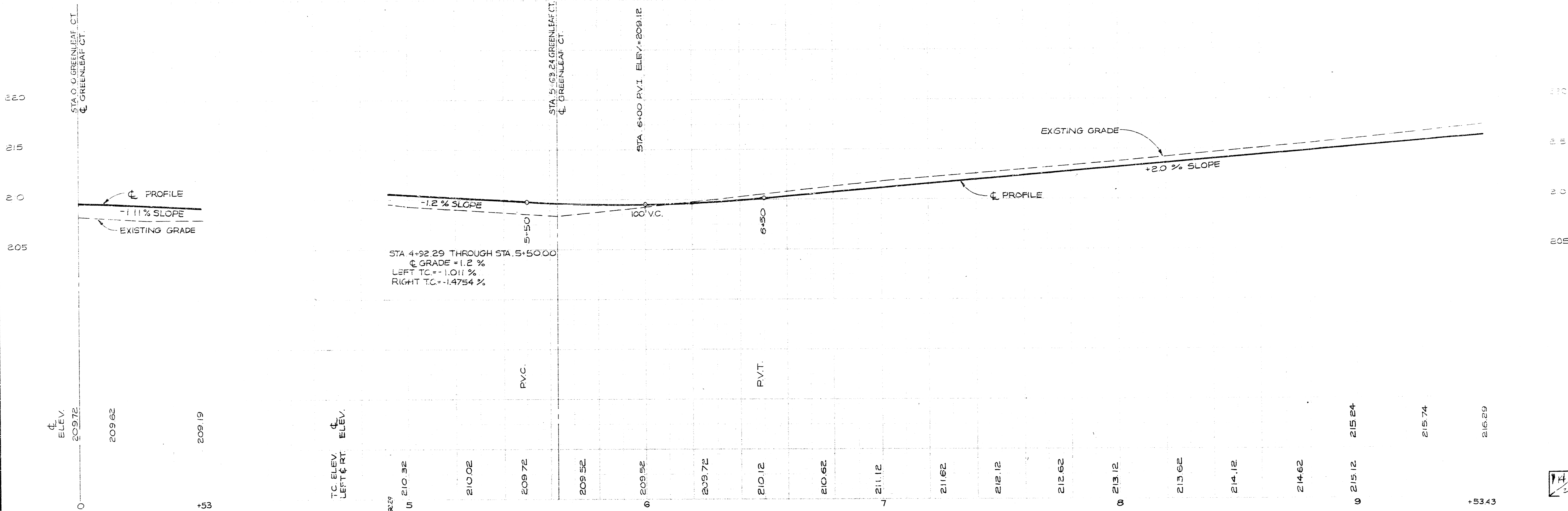
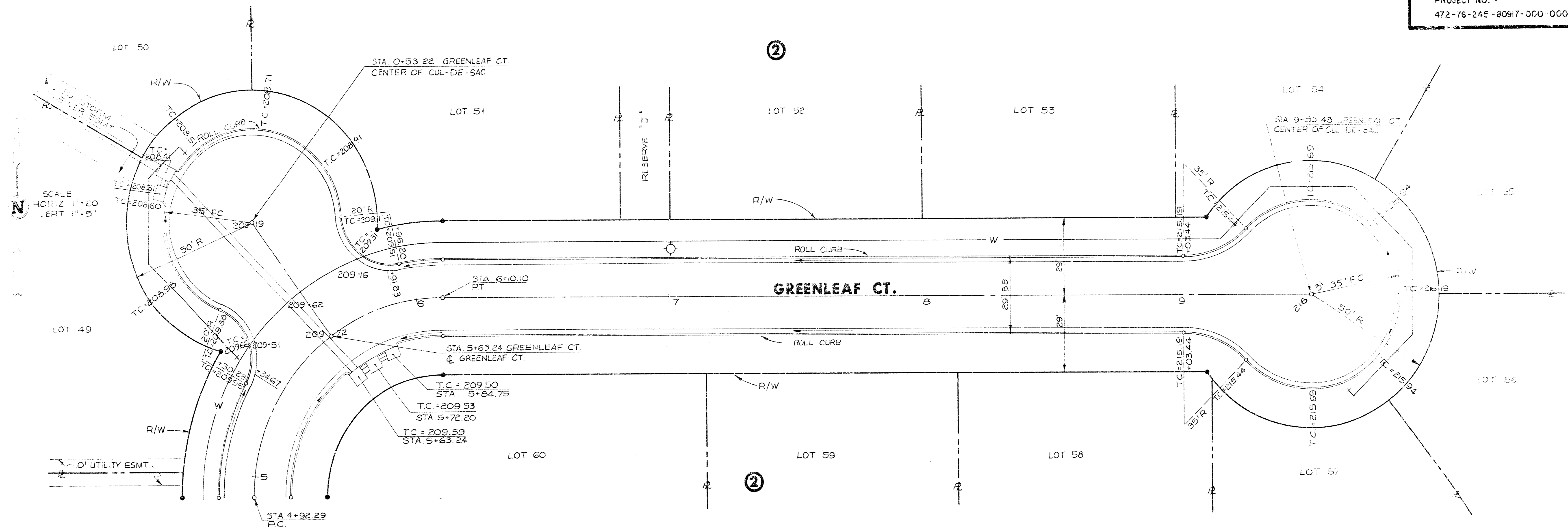
BLUESTEM STREETS
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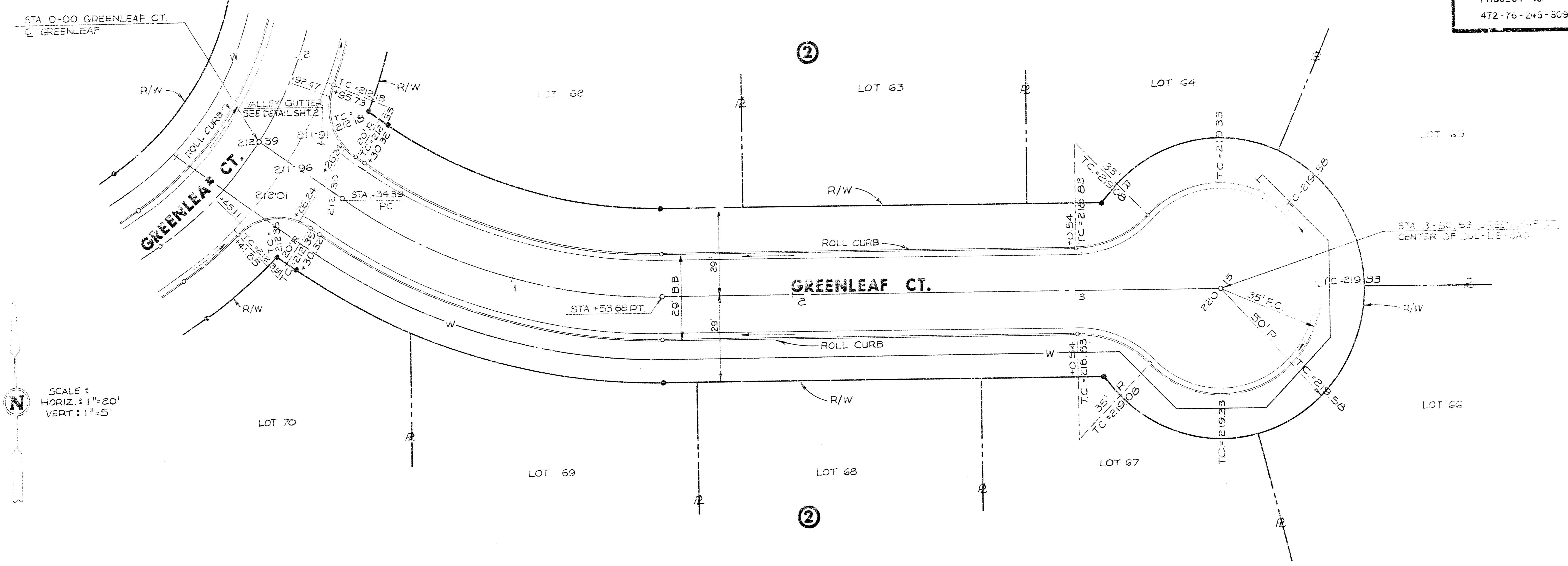
TC ELEV.
 LEFT & RT
 ELEV.

STA. 1+92.00 THROUGH STA. 2+43.35
 G. GRADE = -0.32 %
 LEFT TC = -0.3604 %
 RIGHT TC = -0.2873 %

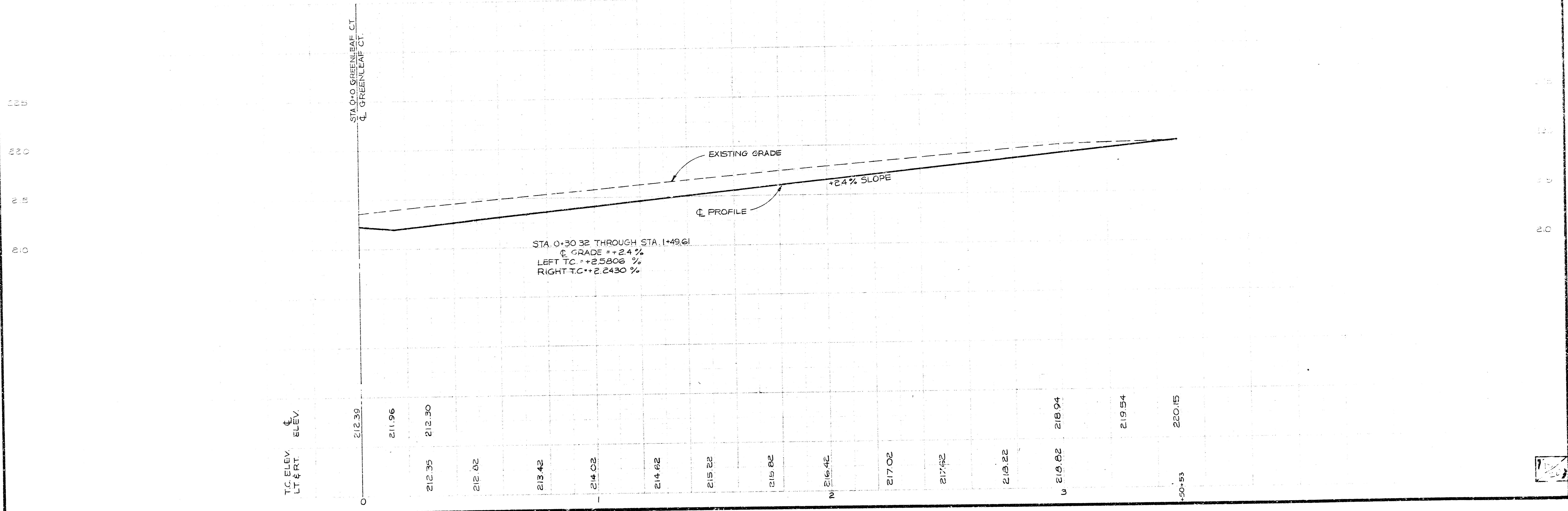




BLUESTEM STREETS
 PROJECT NO. 1
 472-76-245-80917-000-000-001

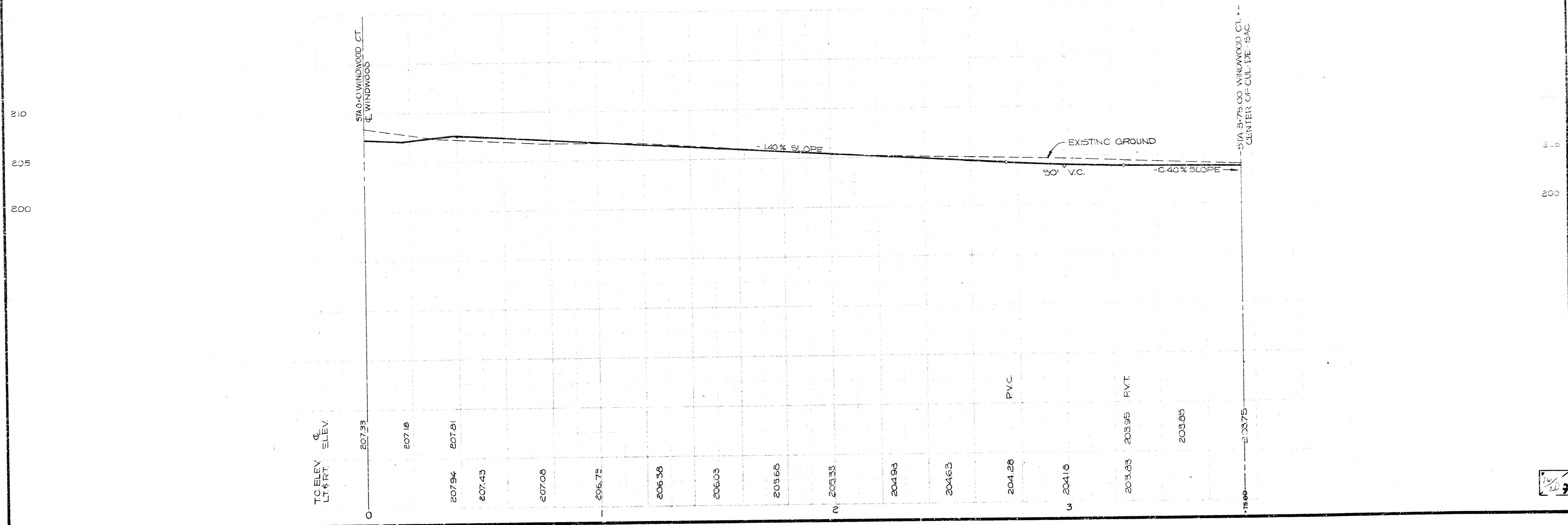
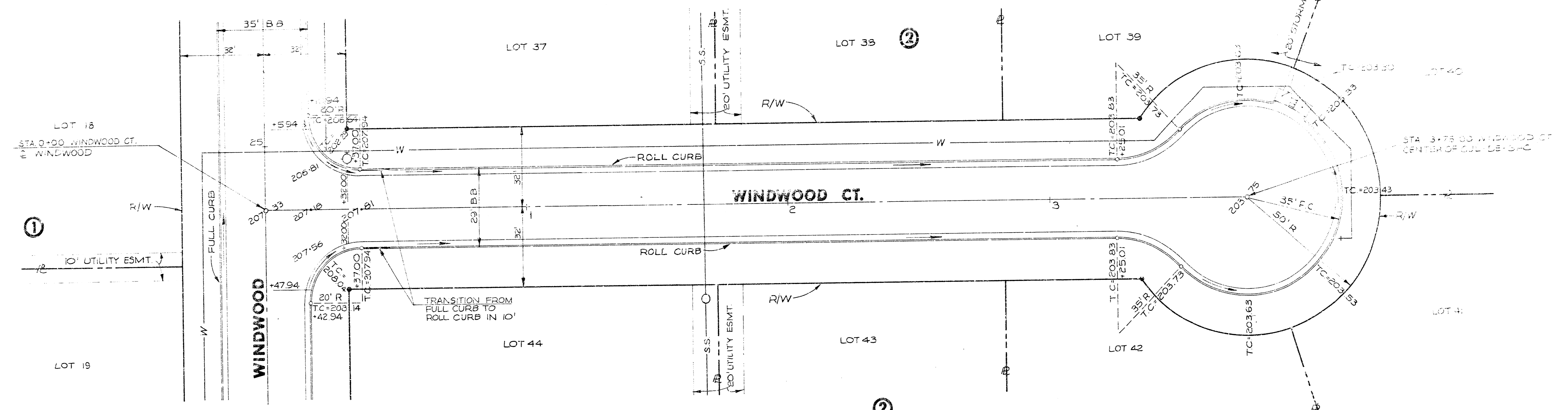


SCALE:
 HORIZ: 1"=20'
 VERT: 1"=5'

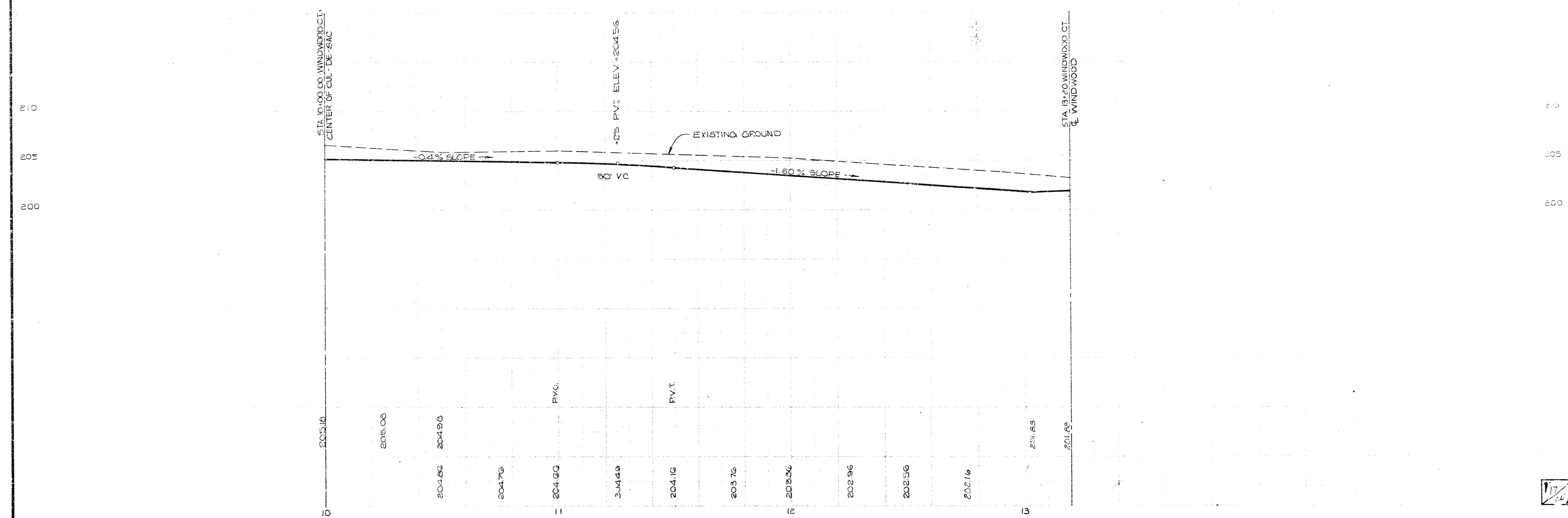
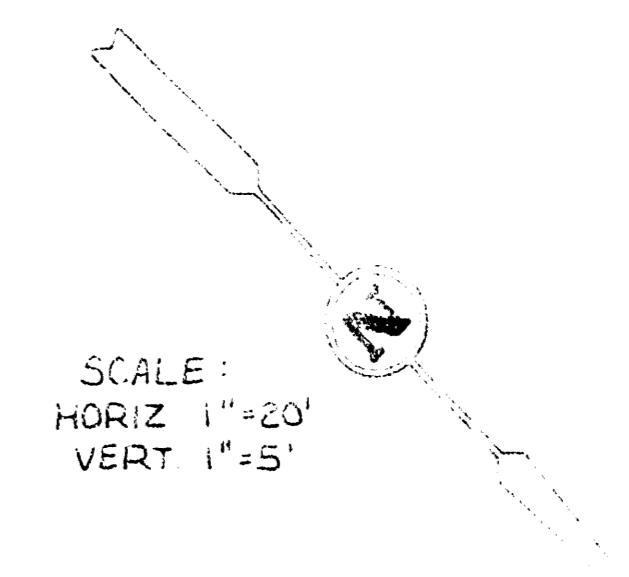
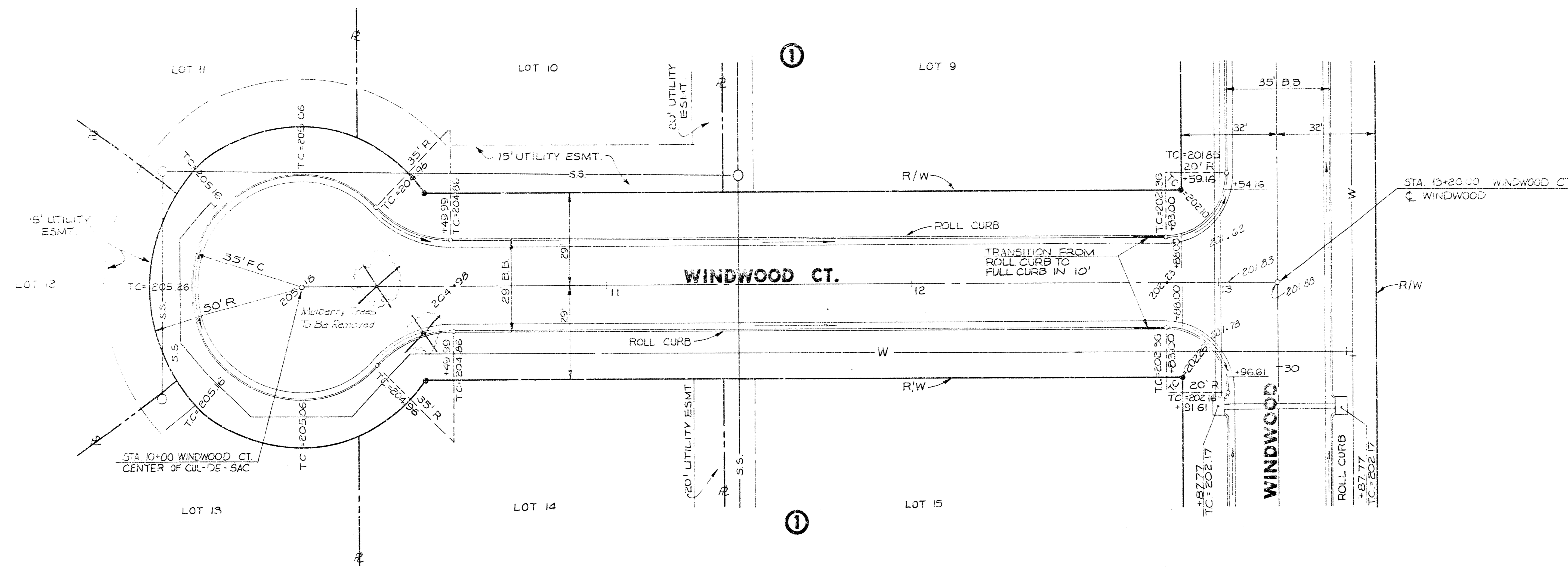


BLUESTEM STREETS

PROJECT NO. 1
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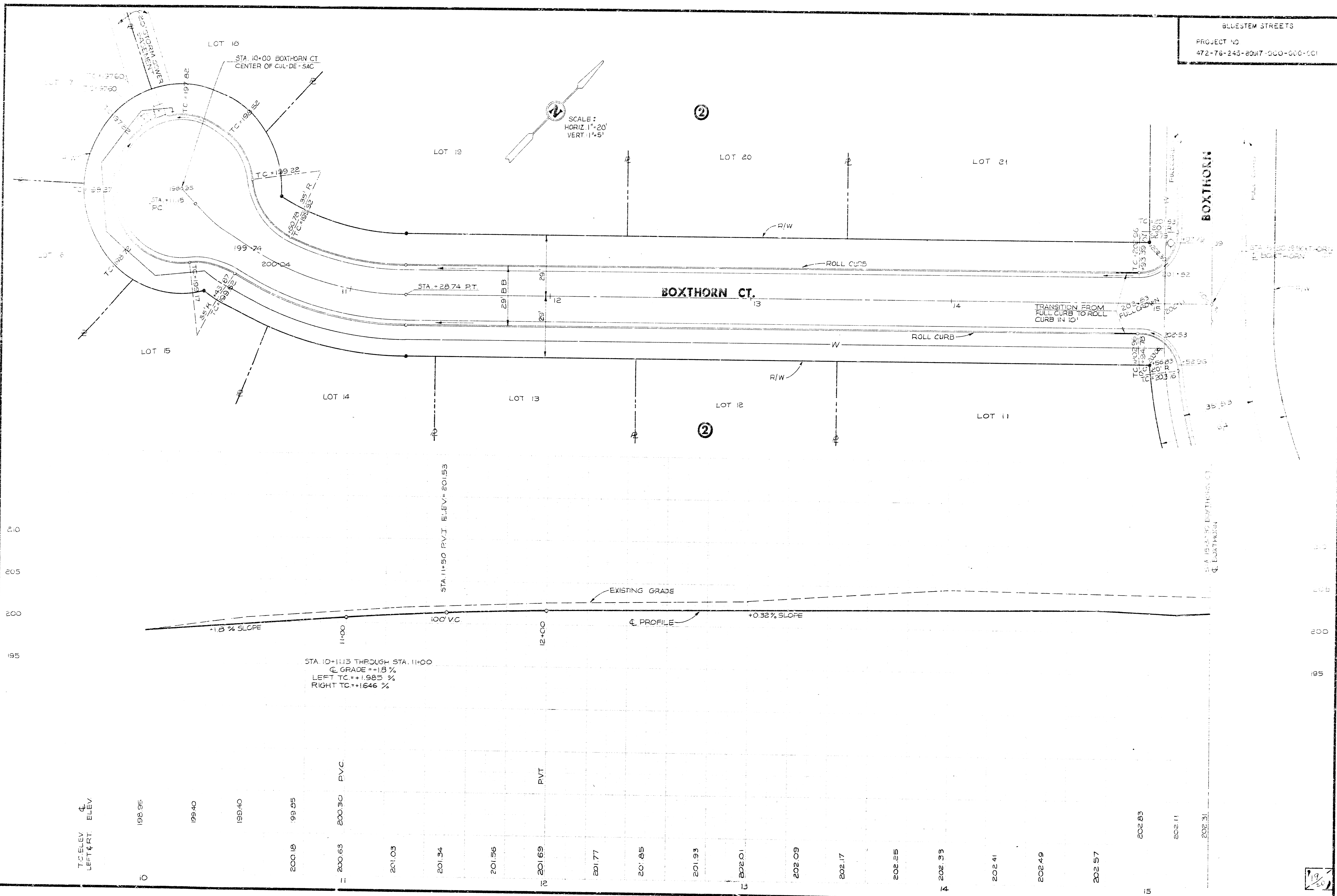


BLUESTEM STREETS
 PROJECT NO. 472-76-245-80917-000-000-001



BLUESTEM STREETS

PROJECT NO.
472-76-243-2097-000-000-101



LOCATION: Greenleaf
SEE PAGE: 3

CURVE DATA BASED ON 127.00' R. (C.L.)
 $\Delta/2 = 26^\circ 42' 31''$
DEFLECTION IN MIN./FT. = 15.7008

CL. Station	CL. Arc	Chord Length		Deflection	Total Deflection
		8' Off-set Left F.C.	8' Off-set Right F.C.		
1 + 05.20	7.71	7.71	7.71	1° 51' 02"	1° 51' 02"
1 + 12.91	15.42	15.42	15.42	3° 42' 04"	5° 33' 06"
1 + 20.62	23.13	23.13	23.13	5° 33' 06"	10° 06' 12"
1 + 28.33	30.84	30.84	30.84	7° 24' 08"	14° 30' 20"
1 + 36.04	38.55	38.55	38.55	9° 15' 10"	18° 45' 30"
1 + 43.75	46.26	46.26	46.26	11° 06' 12"	23° 00' 42"
1 + 51.46	53.97	53.97	53.97	12° 57' 14"	27° 15' 54"
1 + 59.17	61.68	61.68	61.68	14° 48' 16"	31° 31' 06"
1 + 66.88	69.39	69.39	69.39	16° 39' 18"	35° 46' 18"
1 + 74.59	77.10	77.10	77.10	18° 30' 20"	39° 01' 30"
1 + 82.30	84.81	84.81	84.81	20° 21' 22"	42° 16' 42"
1 + 90.01	92.52	92.52	92.52	22° 12' 24"	45° 31' 54"
1 + 97.72	100.23	100.23	100.23	24° 03' 26"	48° 47' 06"
1 + 105.43	107.94	107.94	107.94	25° 54' 28"	51° 02' 18"
1 + 113.14	115.65	115.65	115.65	27° 45' 30"	53° 17' 30"
1 + 120.85	123.36	123.36	123.36	29° 36' 32"	55° 32' 42"
1 + 128.56	131.07	131.07	131.07	31° 27' 34"	57° 47' 54"
1 + 136.27	138.78	138.78	138.78	33° 18' 36"	59° 03' 06"
1 + 143.98	146.49	146.49	146.49	35° 09' 38"	60° 18' 18"
1 + 151.69	154.20	154.20	154.20	37° 00' 40"	61° 33' 30"
1 + 159.40	161.91	161.91	161.91	38° 51' 42"	62° 48' 42"
1 + 167.11	169.62	169.62	169.62	40° 42' 44"	63° 03' 54"
1 + 174.82	177.33	177.33	177.33	42° 33' 46"	63° 19' 06"
1 + 182.53	185.04	185.04	185.04	44° 24' 48"	63° 34' 18"
1 + 190.24	192.75	192.75	192.75	46° 15' 50"	63° 49' 30"
1 + 197.95	200.46	200.46	200.46	48° 06' 52"	63° 04' 42"
1 + 205.66	208.17	208.17	208.17	49° 57' 54"	62° 19' 54"
1 + 213.37	215.88	215.88	215.88	51° 48' 56"	60° 35' 06"
1 + 221.08	223.59	223.59	223.59	53° 39' 58"	57° 50' 18"
1 + 228.79	231.30	231.30	231.30	55° 30' 60"	54° 05' 30"
1 + 236.50	239.01	239.01	239.01	57° 21' 02"	49° 20' 42"
1 + 244.21	246.72	246.72	246.72	59° 12' 04"	43° 35' 54"
1 + 251.92	254.43	254.43	254.43	61° 03' 06"	36° 51' 06"
1 + 259.63	262.14	262.14	262.14	62° 54' 08"	29° 06' 18"
1 + 267.34	269.85	269.85	269.85	64° 45' 10"	19° 21' 30"
1 + 275.05	277.56	277.56	277.56	66° 36' 12"	7° 36' 42"
1 + 282.76	285.27	285.27	285.27	68° 27' 14"	-4° 48' 54"
1 + 290.47	292.98	292.98	292.98	70° 18' 16"	-16° 04' 06"
1 + 298.18	300.69	300.69	300.69	72° 09' 18"	-26° 19' 18"
1 + 305.89	308.40	308.40	308.40	74° 00' 20"	-34° 34' 30"
1 + 313.60	316.11	316.11	316.11	75° 51' 22"	-40° 49' 42"
1 + 321.31	323.82	323.82	323.82	77° 42' 24"	-45° 04' 54"
1 + 329.02	331.53	331.53	331.53	79° 33' 26"	-47° 19' 06"
1 + 336.73	339.24	339.24	339.24	81° 24' 28"	-47° 34' 18"
1 + 344.44	346.95	346.95	346.95	83° 15' 30"	-45° 49' 30"
1 + 352.15	354.66	354.66	354.66	85° 06' 32"	-42° 04' 42"
1 + 359.86	362.37	362.37	362.37	86° 57' 34"	-36° 19' 54"
1 + 367.57	370.08	370.08	370.08	88° 48' 36"	-27° 35' 06"
1 + 375.28	377.79	377.79	377.79	90° 39' 38"	-16° 50' 18"
1 + 382.99	385.50	385.50	385.50	92° 30' 40"	4° 05' 30"
1 + 390.70	393.21	393.21	393.21	94° 21' 42"	16° 20' 42"
1 + 398.41	400.92	400.92	400.92	96° 12' 44"	27° 35' 54"
1 + 406.12	408.63	408.63	408.63	98° 03' 46"	37° 51' 06"
1 + 413.83	416.34	416.34	416.34	99° 54' 48"	46° 06' 18"
1 + 421.54	424.05	424.05	424.05	101° 45' 50"	52° 21' 30"
1 + 429.25	431.76	431.76	431.76	103° 36' 52"	56° 36' 42"
1 + 436.96	439.47	439.47	439.47	105° 27' 54"	58° 51' 54"
1 + 444.67	447.18	447.18	447.18	107° 18' 56"	59° 07' 06"
1 + 452.38	454.89	454.89	454.89	109° 09' 58"	57° 22' 18"
1 + 460.09	462.60	462.60	462.60	111° 00' 60"	53° 37' 30"
1 + 467.80	470.31	470.31	470.31	112° 51' 02"	47° 52' 42"
1 + 475.51	478.02	478.02	478.02	114° 42' 04"	40° 07' 54"
1 + 483.22	485.73	485.73	485.73	116° 33' 06"	29° 23' 06"
1 + 490.93	493.44	493.44	493.44	118° 24' 08"	15° 38' 18"
1 + 498.64	501.15	501.15	501.15	120° 15' 10"	0° 53' 30"
1 + 506.35	508.86	508.86	508.86	122° 06' 12"	-9° 31' 42"
1 + 514.06	516.57	516.57	516.57	123° 57' 14"	-21° 46' 54"
1 + 521.77	524.28	524.28	524.28	125° 48' 16"	-36° 02' 06"
1 + 529.48	531.99	531.99	531.99	127° 39' 18"	-52° 17' 18"
1 + 537.19	539.70	539.70	539.70	129° 30' 20"	-69° 32' 30"
1 + 544.90	547.41	547.41	547.41	131° 21' 22"	-87° 47' 42"
1 + 552.61	555.12	555.12	555.12	133° 12' 24"	-106° 02' 54"
1 + 560.32	562.83	562.83	562.83	135° 03' 26"	-124° 18' 06"
1 + 568.03	570.54	570.54	570.54	136° 54' 28"	-141° 33' 18"
1 + 575.74	578.25	578.25	578.25	138° 45' 30"	-157° 48' 30"
1 + 583.45	585.96	585.96	585.96	140° 36' 32"	-172° 03' 42"
1 + 591.16	593.67	593.67	593.67	142° 27' 34"	-184° 18' 54"
1 + 598.87	601.38	601.38	601.38	144° 18' 36"	-193° 34' 06"
1 + 606.58	609.09	609.09	609.09	146° 09' 38"	-199° 49' 18"
1 + 614.29	616.80	616.80	616.80	148° 00' 40"	-203° 04' 30"
1 + 622.00	624.51	624.51	624.51	149° 51' 42"	-203° 19' 42"
1 + 629.71	632.22	632.22	632.22	151° 42' 44"	-200° 34' 54"
1 + 637.42	639.93	639.93	639.93	153° 33' 46"	-194° 50' 06"
1 + 645.13	647.64	647.64	647.64	155° 24' 48"	-186° 05' 18"
1 + 652.84	655.35	655.35	655.35	157° 15' 50"	-174° 20' 30"
1 + 660.55	663.06	663.06	663.06	159° 06' 52"	-159° 35' 42"
1 + 668.26	670.77	670.77	670.77	160° 57' 54"	-142° 50' 54"
1 + 675.97	678.48	678.48	678.48	162° 48' 56"	-124° 06' 06"
1 + 683.68	686.19	686.19	686.19	164° 39' 58"	-103° 21' 18"
1 + 691.39	693.90	693.90	693.90	166° 30' 60"	-80° 36' 30"
1 + 699.10	701.61	701.61	701.61	168° 21' 02"	-55° 51' 42"
1 + 706.81	709.32	709.32	709.32	170° 12' 04"	-29° 06' 54"
1 + 714.52	717.03	717.03	717.03	172° 03' 06"	9° 78' 06"
1 + 722.23	724.74	724.74	724.74	173° 54' 08"	28° 93' 18"
1 + 729.94	732.45	732.45	732.45	175° 45' 10"	46° 08' 30"
1 + 737.65	740.16	740.16	740.16	177° 36' 12"	61° 23' 42"
1 + 745.36	747.87	747.87	747.87	179° 27' 14"	73° 38' 54"
1 + 753.07	755.58	755.58	755.58	181° 18' 16"	82° 54' 06"
1 + 760.78	763.29	763.29	763.29	183° 09' 18"	88° 09' 18"
1 + 768.49	771.00	771.00	771.00	185° 00' 20"	89° 24' 30"
1 + 776.20	778.71	778.71	778.71	186° 51' 22"	86° 39' 42"
1 + 783.91	786.42	786.42	786.42	188° 42' 24"	79° 54' 54"
1 + 791.62	794.13	794.13	794.13	190° 33' 26"	69° 70' 06"
1 + 799.33	801.84	801.84	801.84	192° 24' 28"	55° 55' 18"
1 + 807.04	809.55	809.55	809.55	194° 15' 30"	39° 10' 30"
1 + 814.75	817.26	817.26	817.26	196° 06' 32"	19° 25' 42"
1 + 822.46	824.97	824.97	824.97	197° 57' 34"	-6° 59' 54"
1 + 830.17	832.68	832.68	832.68	199° 48' 36"	-25° 15' 06"
1 + 837.88	840.39	840.39	840.39	201° 39' 38"	-44° 30' 18"
1 + 845.59	848.10	848.10	848.10	203° 30' 40"	-63° 45' 30"
1 + 853.30	855.81	855.81	855.81	205° 21' 42"	-82° 60' 42"
1 + 861.01	863.52	863.52	863.52	207° 12' 44"	-99° 75' 54"
1 + 868.72	871.23	871.23	871.23	209° 03' 46"	-114° 91' 06"
1 + 876.43	878.94	878.94	878.94	210° 54' 48"	-127° 06' 18"
1 + 884.14	886.65	886.65	886.65	212° 45' 50"	-137° 21' 30"
1 + 891.85	894.36	894.36	894.36	214° 36' 52"	-144° 36' 42"
1 + 899.56	902.07	902.07	902.07	216° 27' 54"	-148° 51' 54"
1 + 907.27	909.78	909.78	909.78	218° 18' 56"	-149° 07' 06"
1 + 914.98	917.49	917.49	917.49	220° 09' 58"	-145° 22' 18"
1 + 922.69	925.20	925.20	925.20	222° 00' 60"	-137° 37' 30"
1 + 930.40	932.91	932.91	932.91	223° 51' 02"	-125° 52' 42"
1 + 938.11	940.62	940.62	940.62	225° 42' 04"	-110° 67' 54"
1 + 945.82	948.33	948.33	948.33	227° 33' 06"	-92° 83' 06"
1 + 953.53	956.04	956.04	956.04	229° 24' 08"	-71° 98' 18"
1 + 961.24	963.75	963.75	963.75	231° 15' 10"	-48° 13' 30"
1 + 968.95	971.46	971.46	971.46	233° 06' 12"	-22° 28' 42"
1 + 976.66	979.17	979.17	979.17	234° 57' 14"	7° 56' 54"
1 + 984.37	986.88	986.88	986.88	236° 48' 16"	26° 72' 06"
1 + 992.08	994.59	994.59	994.59	238° 39' 18"	42° 87' 18"
1 + 1000.00	1000.00	1000.00	1000.00	240° 30' 20"	56° 02' 30"

LOCATION: Greenleaf
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CURVE DATA BASED ON 175.00' R. (C.L.)
 $\Delta/2 = 26^\circ 42' 30''$
DEFLECTION IN MIN./FT. = 9.822154

CL. Station	CL. Arc	Chord Length		Deflection	Total Deflection
		8' Off-set Left F.C.	8' Off-set Right F.C.		
4 + 00.00	8.71	8.71	8.71	0° 56' 45"	0° 56' 45"
4 + 08.71	17.42	17.42	17.42	1° 53' 30"	2° 50' 15"
4 + 17.42	26.13	26.13	26.13	2° 50' 15"	5° 40' 30"
4 + 26.13	34.84	34.84	34.84	3° 47' 00"	9° 13' 30"
4 + 34.84	43.55	43.55	43.55	4° 43' 45"	13° 00' 15"
4 + 43.55	52.26	52.26	52.26	5° 40' 30"	17° 00' 45"
4 + 52.26	60.97	60.97	60.97	6° 37' 15"	21° 13' 00"
4 + 60.97	69.68	69.68	69.68	7° 34' 00"	25° 36' 45"
4 + 69.68	78.39	78.39	78.39	8° 30' 45"	30° 11' 30"
4 + 78.39	87.10	87.10	87.10	9° 27' 30"	34° 39' 00"
4 + 87.10	95.81	95.81	95.81	10° 24' 15"	39° 03' 15"
4 + 95.81	104.52	104.52	104.52	11° 21' 00"	43° 14' 15"
4 + 104.52	113.23	113.23	113.23	12° 17' 45"	47° 02' 00"
4 + 113.23	121.94	121.94	121.94	13° 14' 30"	50° 46' 30"
4 + 121.94	130.65	130.65	130.65	14° 11' 15"	54° 17' 45"
4 + 130.65	139.36	139.36	139		