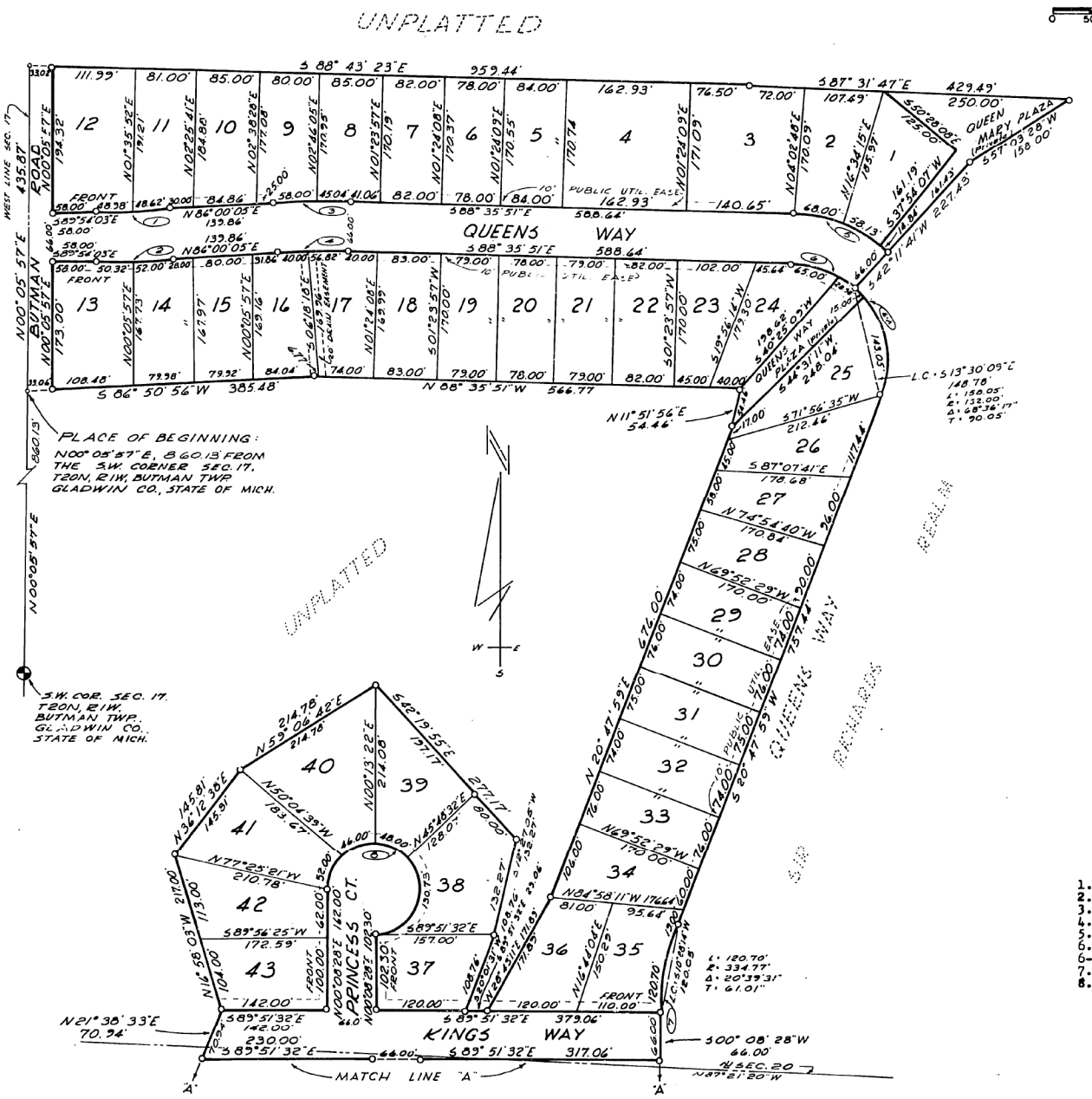
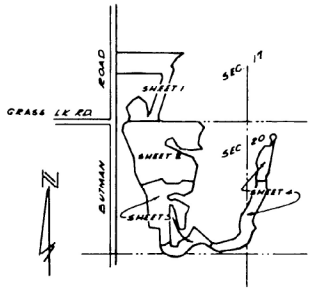
QUEENS REALM

Part of the S.W. 1/4, Sec. 17 & Part of the N.W. 1/4 & Part of the W. 1/2 of the N.E. 1/4 & Part of the N. 1/2 of the S.W. 1/4, Sec. 20, T20N, R1W, Butman Township, Gladwin Co., State of Michigan.

0 50 100 200 300 400 500
SCALE: 1" = 100'





LOCATION SKETCH
NO SCALE

LEGEND:

1. ALL DIMENSIONS ARE IN FEET.
2. CONCRETE MONUMENTS HAVE BEEN PLACED AT ALL POINTS MARKED "O".
3. ALL LOT CORNERS HAVE BEEN MARKED WITH 1/4" IRON BARS 18" IN LENGTH.
4. BEARINGS WERE ESTABLISHED FROM SOLAR OBSERVATIONS.
5. CURVE DIMENSIONS ARE ARC LENGTH.

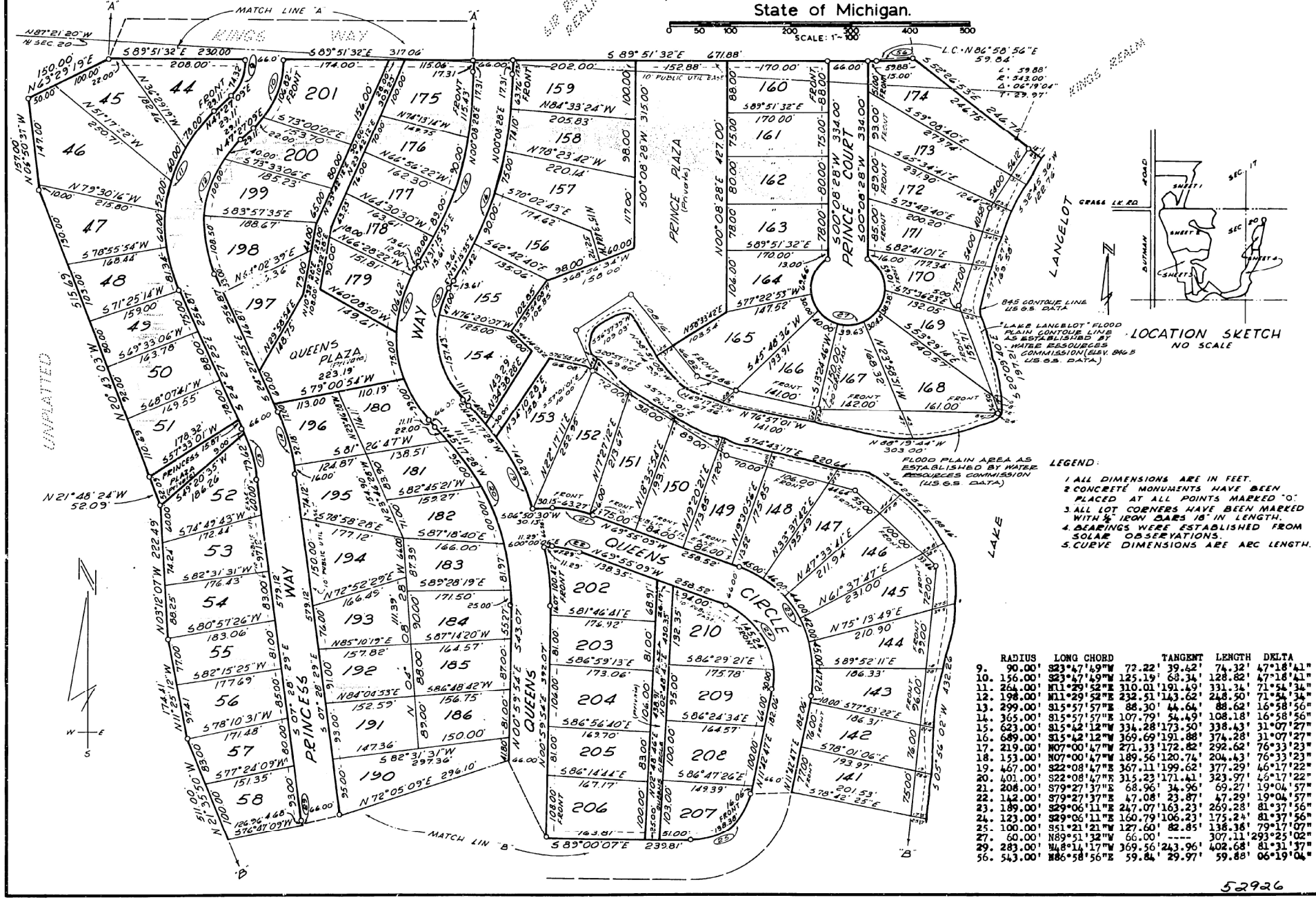
	RADIUS	LONG CHORD		TANGENT	LENGTH	DELTA
1.	1364.61'	S88°03'01"W	97.58'	48.82'	97.60'	04°05'52"
2.	1430.61'	S88°03'01"W	102.30'	51.18'	102.32'	04°05'52"
3.	1093.04'	N88°42'07"E	103.00'	51.56'	103.04'	05°24'04"
4.	1027.04'	N88°42'07"E	96.78'	48.44'	96.82'	05°24'04"
5.	198.00'	S68°12'05"E	138.01'	73.62'	140.97'	40°47'33"
6.	132.00'	S68°12'05"E	92.01'	49.08'	93.98'	40°47'33"
6-A	132.00'	S13°30'09"E	148.78'	90.05'	158.05'	68°36'17"
7.	334.77'	N10°28'14"E	120.05'	61.01'	120.70'	20°39'31"
8.	60.00'	S47°43'42"E	88.99'	---	276.73'	264°23'30"

52926

SHEET 1 OF 7

QUEENS REALM

Part of the S.W. 1/4, Sec. 17 & Part of the N.W. 1/4 & Part of the W. 1/2 of the N.E. 1/4 & Part of the N. 1/2 of the S.W. 1/4, Sec. 20, T20N, R1W, Butman Township, Gladwin Co., State of Michigan.



LEGEND:

1. ALL DIMENSIONS ARE IN FEET.
2. CONCRETE MONUMENTS HAVE BEEN PLACED AT ALL POINTS MARKED "O".
3. ALL LOT CORNERS HAVE BEEN MARKED WITH 5/8" IRON BARS 18" IN LENGTH.
4. BEARINGS WERE ESTABLISHED FROM SOLAR OBSERVATIONS.
5. CURVE DIMENSIONS ARE ARC LENGTH.

	RADIUS	LONG CHORD		TANGENT	LENGTH	DELTA
9.	90.00'	S23°47'49"W	72.22'	39.62'	74.32'	47°18'41"
10.	156.00'	S23°47'49"W	125.19'	68.34'	128.82'	47°18'41"
11.	264.00'	N11°29'52"E	310.01'	191.49'	331.34'	71°54'34"
12.	198.00'	N11°29'52"E	232.51'	143.62'	248.50'	71°54'34"
13.	299.00'	S15°57'57"E	88.30'	44.64'	88.62'	16°58'56"
14.	365.00'	S15°57'57"E	107.79'	54.49'	108.18'	16°58'56"
15.	623.00'	S15°42'12"W	334.28'	173.50'	338.43'	31°07'27"
16.	689.00'	S15°42'12"W	369.69'	191.88'	374.28'	31°07'27"
17.	219.00'	N07°00'47"W	271.33'	172.82'	292.62'	76°33'23"
18.	153.00'	N07°00'47"W	189.56'	120.74'	204.43'	76°33'23"
19.	467.00'	S22°08'47"E	367.11'	199.62'	377.29'	46°17'22"
20.	401.00'	S22°08'47"E	315.23'	171.41'	323.97'	46°17'22"
21.	208.00'	S79°27'37"E	68.96'	34.96'	69.27'	19°04'57"
22.	142.00'	S79°27'37"E	47.08'	23.87'	47.29'	19°04'57"
23.	189.00'	S29°06'11"E	247.07'	163.23'	269.28'	81°37'56"
24.	123.00'	S29°06'11"E	160.79'	106.23'	175.24'	81°37'56"
25.	100.00'	S51°21'21"W	127.60'	82.85'	138.36'	79°17'07"
27.	60.00'	N89°51'32"W	66.00'	----	307.11'	293°25'02"
29.	283.00'	N48°14'17"W	369.56'	243.96'	402.68'	81°31'37"
56.	543.00'	N86°58'56"E	59.84'	29.97'	59.88'	06°19'04"

52926

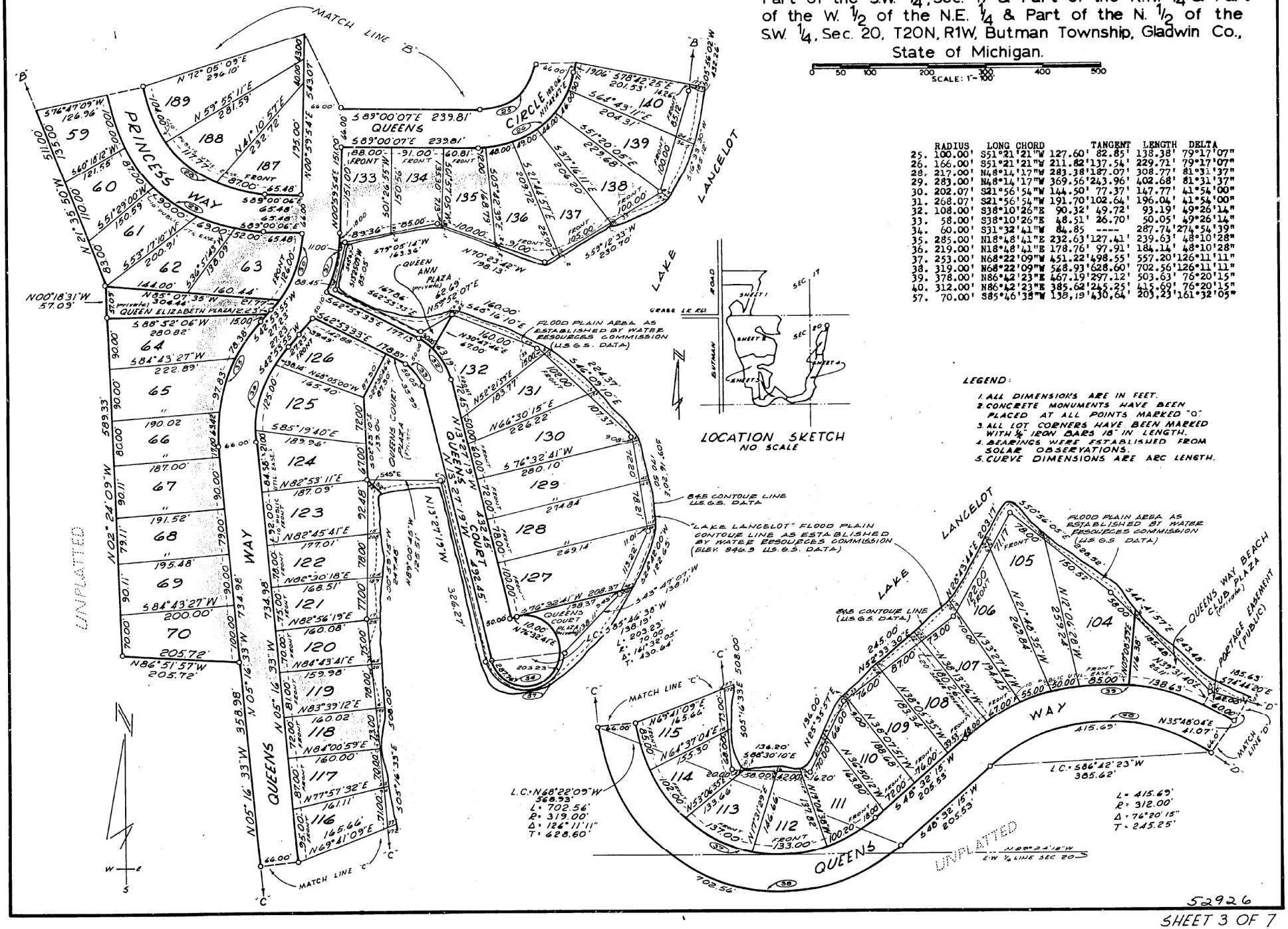
SHEET 2 OF 7

QUEENS REALM

Part of the S.W. 1/4, Sec. 17 & Part of the N.W. 1/4 & Part of the W. 1/2 of the N.E. 1/4 & Part of the N. 1/2 of the S.W. 1/4, Sec. 20, T20N, R1W, Butman Township, Gladwin Co., State of Michigan.

SCALE: 1" = 100'

	RADIUS	LONG CHORD		TANGENT	LENGTH	DELTA
25.	100.00'	S51°21'21"W	127.60'	82.85'	138.38'	79°17'07"
26.	166.00'	S51°21'21"W	211.82'	137.54'	229.71'	79°17'07"
28.	217.00'	N48°14'17"W	283.38'	187.07'	308.77'	81°31'37"
29.	283.00'	N48°14'17"W	369.56'	243.96'	402.68'	81°31'37"
30.	202.07'	S21°56'54"W	144.50'	77.37'	147.77'	41°54'00"
31.	268.07'	S21°56'54"W	191.70'	102.64'	196.04'	41°54'00"
32.	108.00'	S38°10'26"E	90.32'	49.72'	93.19'	49°26'14"
33.	58.00'	S38°10'26"E	48.51'	26.70'	50.05'	49°26'14"
34.	60.00'	S31°32'41"W	84.85	----	287.74'	274°54'39"
35.	285.00'	N18°48'41"E	232.63'	127.41'	239.63'	48°10'28"
36.	219.00'	N18°48'41"E	178.76'	97.91'	184.14'	48°10'28"
37.	253.00'	N68°22'09"W	451.22'	498.55'	557.20'	126°11'11"
38.	319.00'	N68°22'09"W	568.93'	628.60'	702.56'	126°11'11"
39.	378.00'	N86°42'23"E	467.19'	297.12'	503.63'	76°20'15"
40.	312.00'	N86°42'23"E	385.62'	245.25'	415.69'	76°20'15"
57.	70.00'	S85°46'38"W	138.19'	430.64'	203.23'	161°32'05"



LOCATION SKETCH
NO SCALE

LEGEND:

1. ALL DIMENSIONS ARE IN FEET.
2. CONCRETE MONUMENTS HAVE BEEN PLACED AT ALL POINTS MARKED "O"
3. ALL LOT CORNERS HAVE BEEN MARKED WITH 1/2" IRON BARS 18" IN LENGTH.
4. BEARINGS WERE ESTABLISHED FROM SOLAR OBSERVATIONS.
5. CURVE DIMENSIONS ARE ARC LENGTH.

52926

SHEET 3 OF 7

QUEENS REALM

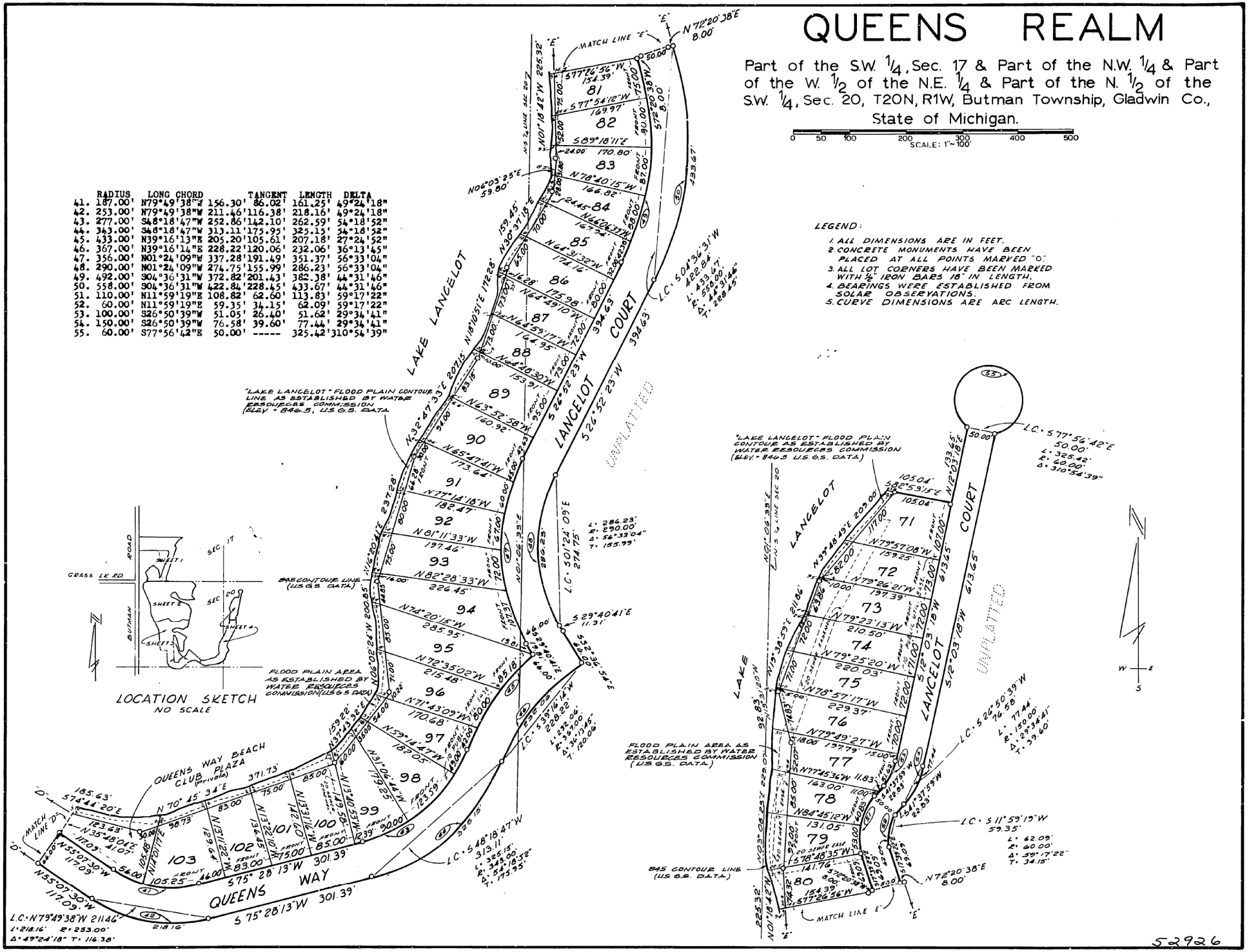
Part of the S.W. 1/4, Sec. 17 & Part of the N.W. 1/4 & Part of the W. 1/2 of the N.E. 1/4 & Part of the N. 1/2 of the S.W. 1/4, Sec. 20, T20N, R1W, Butman Township, Gladwin Co., State of Michigan.

0 50 100 200 300 400 500
SCALE: 1"=100'

	RADIUS	LONG CHORD		TANGENT	LENGTH	DELTA
41.	187.00'	N79°49'38"W	156.30'	86.02'	161.25'	49°24'18"
42.	253.00'	N79°49'38"W	211.46'	116.38'	218.16'	49°24'18"
43.	277.00'	S48°18'47"W	252.86'	142.10'	262.59'	54°18'52"
44.	343.00'	S48°18'47"W	313.11'	175.95'	325.13'	54°18'52"
45.	433.00'	N39°16'13"E	205.20'	105.61'	207.18'	27°24'52"
46.	367.00'	N39°16'14"E	228.22'	120.06'	232.06'	36°13'45"
47.	356.00'	N01°24'09"W	337.28'	191.49'	351.37'	56°33'04"
48.	290.00'	N01°24'09"W	274.75'	155.99'	286.23'	56°33'04"
49.	492.00'	S04°36'31"W	372.82'	201.43'	382.38'	44°31'46"
50.	558.00'	S04°36'31"W	422.84'	228.45'	433.67'	44°31'46"
51.	110.00'	N11°59'19"E	108.82'	62.60'	113.83'	59°17'22"
52.	60.00'	N11°59'19"E	59.35'	34.15'	62.09'	59°17'22"
53.	100.00'	S26°50'39"W	51.05'	26.40'	51.62'	29°34'41"
54.	150.00'	S26°50'39"W	76.58'	39.60'	77.44'	29°34'41"
55.	60.00'	S77°56'42"E	50.00'	-----	325.42'	310°54'39"

LEGEND:

1. ALL DIMENSIONS ARE IN FEET.
2. CONCRETE MONUMENTS HAVE BEEN PLACED AT ALL POINTS MARKED "O".
3. ALL LOT CORNERS HAVE BEEN MARKED WITH 1/2" IRON BARS 18" IN LENGTH.
4. BEARINGS WERE ESTABLISHED FROM SOLAR OBSERVATIONS.
5. CURVE DIMENSIONS ARE ARC LENGTH.



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SHEET 4 OF 7