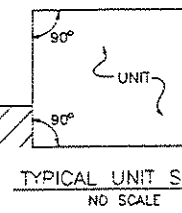
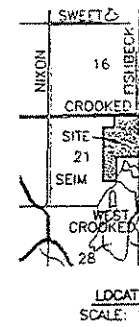
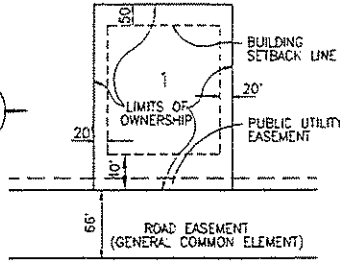
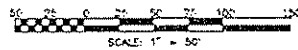
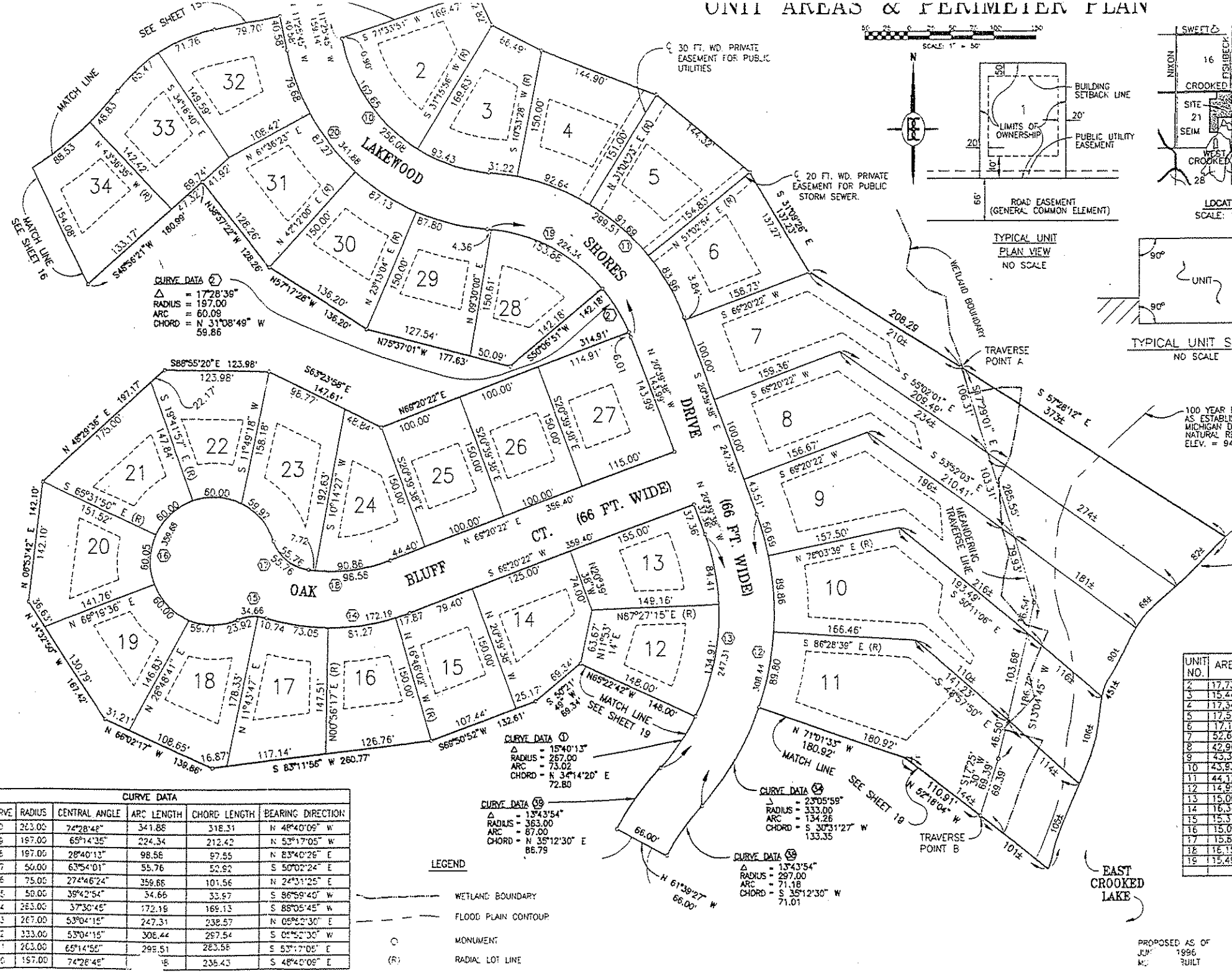


UNIT AREAS & PERIMETER PLAN



100 YEAR F
AS ESTABLISH
MICHIGAN D
NATURAL RE
ELEV. = 94

UNIT NO.	AREA
1	17.72
2	15.24
3	17.34
4	17.34
5	17.34
6	17.34
7	52.98
8	42.98
9	43.91
10	43.91
11	44.17
12	14.98
13	15.00
14	16.31
15	15.31
16	15.00
17	15.50
18	16.11
19	15.42



CURVE DATA ②
 Δ = 172°36'
 RADIUS = 197.00
 ARC = 60.08
 CHORD = N 31°08'49" W
 59.86

CURVE DATA ④
 Δ = 15°40'13"
 RADIUS = 267.00
 ARC = 73.02
 CHORD = N 34°14'20" E
 72.80

CURVE DATA ⑤
 Δ = 137°3'54"
 RADIUS = 363.00
 ARC = 87.00
 CHORD = N 35°12'30" E
 86.79

CURVE DATA ⑥
 Δ = 23°05'59"
 RADIUS = 333.00
 ARC = 134.26
 CHORD = S 30°31'27" W
 133.35

CURVE DATA ⑦
 Δ = 13°43'54"
 RADIUS = 297.00
 ARC = 71.18
 CHORD = S 35°12'30" W
 71.01

CURVE DATA					
CURVE	RADIUS	CENTRAL ANGLE	ARC LENGTH	CHORD LENGTH	BEARING DIRECTION
20	263.00	72°28'48"	341.86	318.31	N 48°40'09" W
19	197.00	65°14'35"	224.34	212.42	N 53°17'05" W
18	197.00	28°40'13"	98.56	97.55	N 83°40'29" E
17	50.00	63°54'01"	55.76	52.92	S 50°02'24" E
16	75.00	27°46'24"	359.68	101.56	N 24°31'25" E
15	50.00	38°42'54"	34.66	33.97	S 80°59'40" W
14	263.00	37°30'45"	172.19	169.13	S 86°05'45" W
13	267.00	53°04'15"	247.31	238.57	N 05°21'30" E
12	333.00	53°04'15"	306.44	297.54	S 01°52'30" W
11	763.00	65°14'55"	298.51	283.58	S 53°12'00" E
10	157.00	74°26'48"	16	236.43	S 48°40'09" E

LEGEND

- WETLAND BOUNDARY
- FLOOD PLAIN CONTOUR
- MONUMENT
- RADIAL LOT LINE

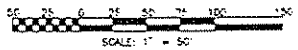
PROPOSED AS OF
 JUN 1996
 M. BUILT

UNIT AREAS & PERIMETER PLAN

CURVE DATA (1)
 Δ = 154°34'
 RADIUS = 267.00
 ARC = 73.02
 CHORD = N 34°14'20" E
 72.80

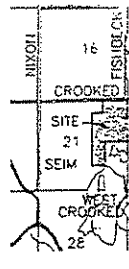
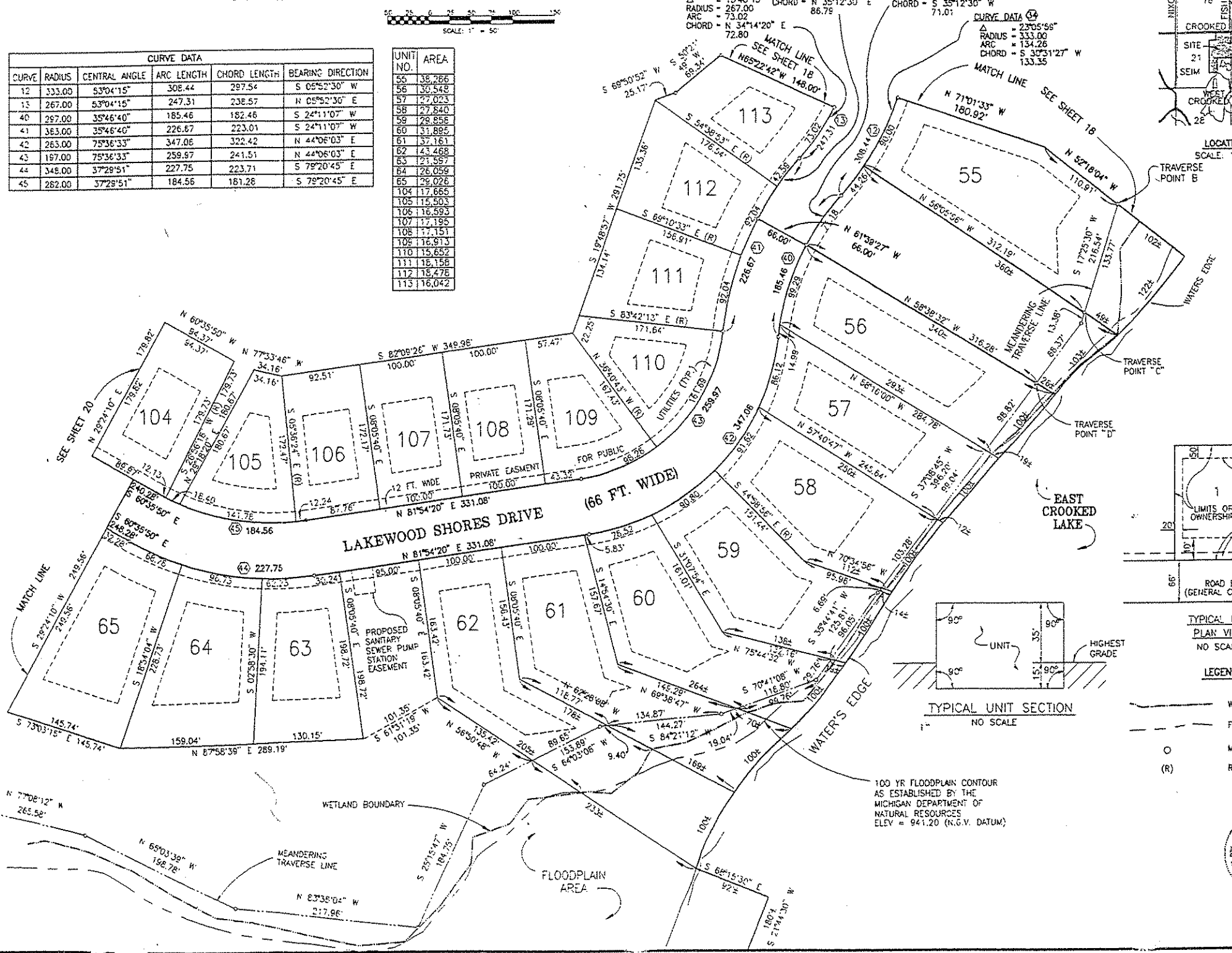
Δ = 134°35'4"
 RADIUS = 297.00
 ARC = 71.16
 CHORD = S 35°12'30" W
 71.01

CURVE DATA (4)
 Δ = 230°5'58"
 RADIUS = 333.00
 ARC = 134.26
 CHORD = S 3°31'27" W
 133.35

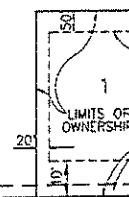


CURVE DATA					
CURVE	RADIUS	CENTRAL ANGLE	ARC LENGTH	CHORD LENGTH	BEARING DIRECTION
12	333.00	53°04'15"	308.44	297.54	S 05°52'30" W
13	267.00	53°04'16"	247.31	238.57	N 05°52'30" E
40	297.00	35°46'40"	185.46	182.46	S 24°11'07" W
41	363.00	35°46'40"	226.67	223.01	S 24°11'07" W
42	263.00	75°36'33"	347.06	322.42	N 44°06'03" E
43	197.00	75°36'33"	259.57	241.51	N 44°06'03" E
44	348.00	37°29'51"	227.75	223.71	S 79°20'45" E
45	282.00	37°29'51"	184.56	181.26	S 79°20'45" E

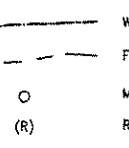
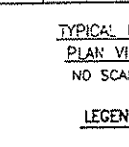
UNIT NO.	AREA
56	38,266
58	36,348
57	27,023
58	27,540
59	28,858
60	31,886
61	37,161
62	43,468
63	21,557
64	26,059
65	28,026
104	17,666
105	15,503
106	16,593
107	17,195
108	17,151
109	16,913
110	15,652
111	18,158
112	18,478
113	16,042



LOCATI
 SCALE: 1" = 50'

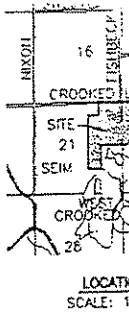
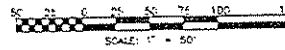


ROAD E
 (GENERAL CI)



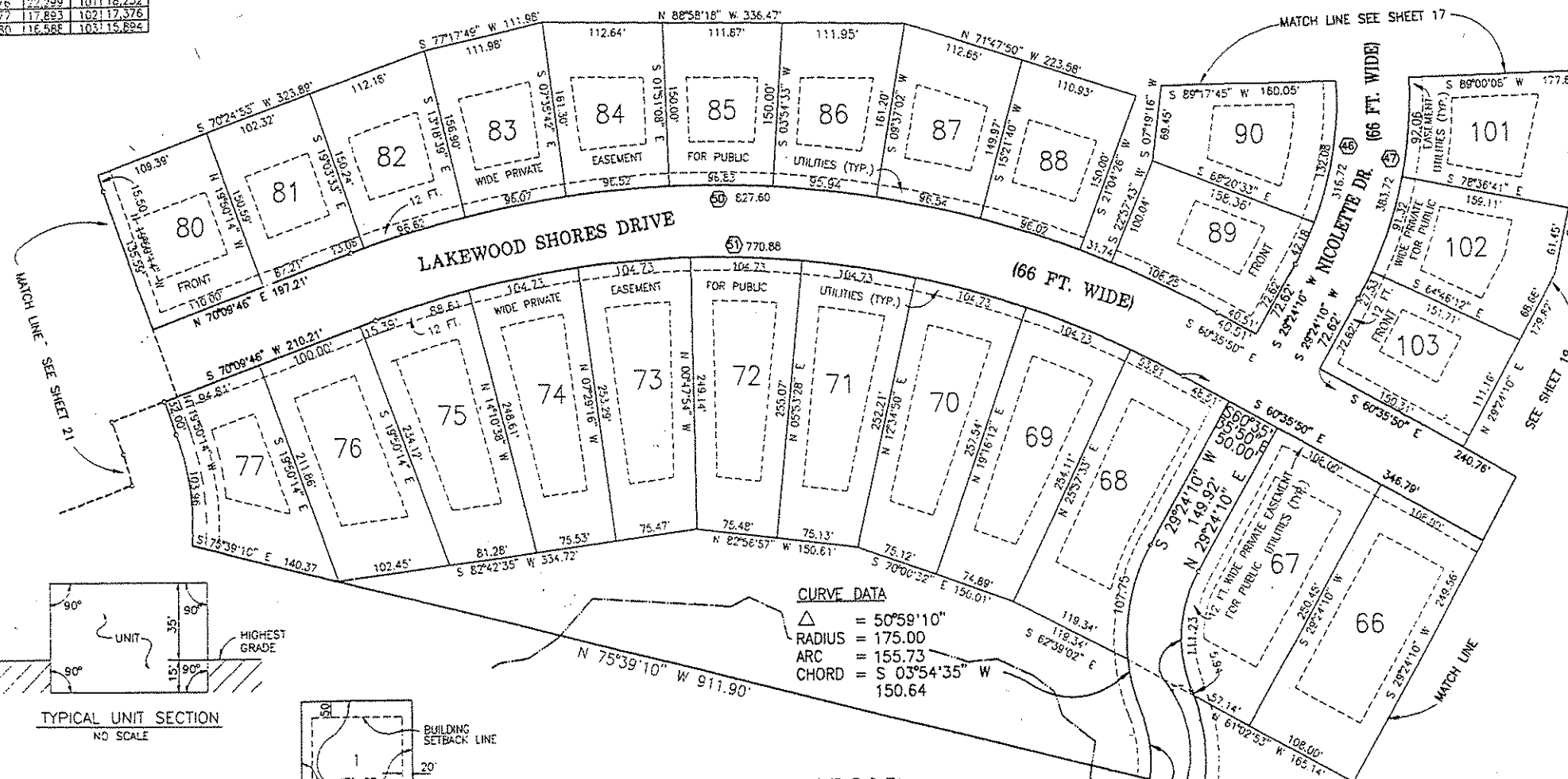
100 YR FLOODPLAIN CONTOUR
 AS ESTABLISHED BY THE
 MICHIGAN DEPARTMENT OF
 NATURAL RESOURCES
 ELEV = 941.20 (N.G.V. DATUM)

UNIT AREAS & PERIMETER PLAN



UNIT NO.	AREA	UNIT NO.	AREA
66	28,998	81	15,232
67	25,527	82	15,915
68	25,094	83	16,443
69	23,026	84	16,131
70	22,955	85	15,552
71	22,862	86	16,029
72	22,745	87	16,127
73	22,650	88	15,421
74	22,661	89	16,334
75	22,286	90	16,261
76	22,299	101	18,232
77	17,893	102	17,376
80	116,568	103	15,894

CURVE DATA					
CURVE	RADIUS	CENTRAL ANGLE	ARC LENGTH	CHORD LENGTH	BEARING DIRECTION
46	312.00	58°09'45"	316.72	303.29	N 00°19'18" E
47	378.00	58°09'45"	383.72	367.45	N 00°19'18" E
50	963.00	49°14'24"	827.60	802.37	N 85°13'02" W
51	687.00	49°14'24"	770.88	747.38	N 85°13'02" W



CURVE DATA

△ = 50°59'10"
 RADIUS = 175.00
 ARC = 155.73
 CHORD = S 03°54'35" W
 150.64

CURVE DATA

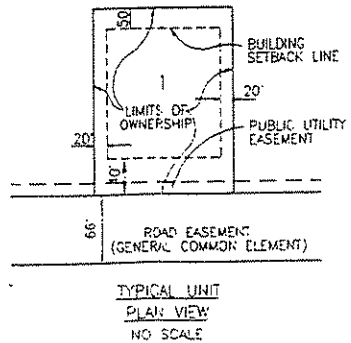
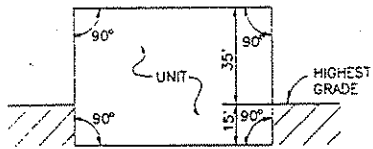
△ = 29°13'21"
 RADIUS = 125.00
 ARC = 63.75
 CHORD = N 06°58'19" W
 63.06

CURVE DATA

△ = 50°59'10"
 RADIUS = 125.00
 ARC = 111.23
 CHORD = N 03°54'35" E
 107.60

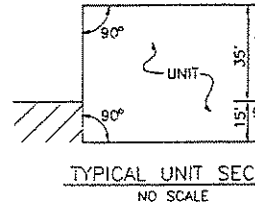
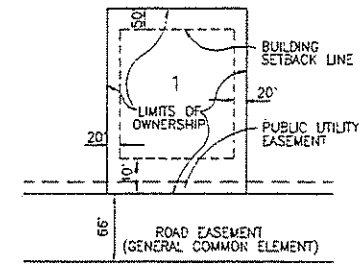
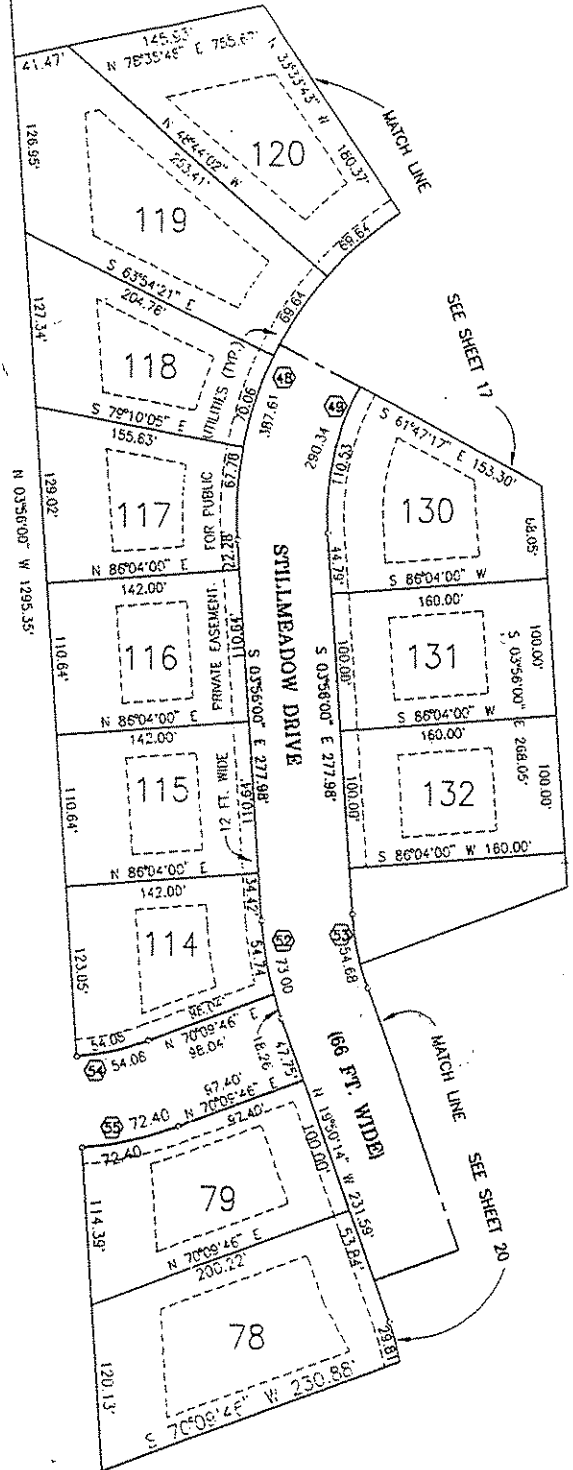
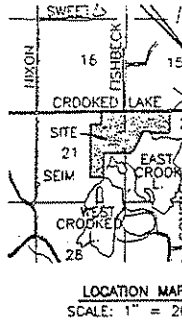
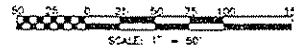
CURVE DATA

△ = 56°39'23"
 RADIUS = 175.00
 ARC = 173.05
 CHORD = N 06°44'42" E
 166.08



- LEGEND**
- WETLAND BOUNDARY
 - FLOOD PLAIN CONTOUR
 - MONUMENT
 - (R) RADIAL LOT LINE

UNIT AREAS & PERIMETER PLAN



UNIT NO.	AREA
78	25.011
79	16.828
114	15.673
115	15.711
116	15.711
117	15.866
118	16.575
119	25.063
120	26.835
130	17.624
131	16.000
132	16.000

LEGEND

- WETLAND
- FLOOD PL
- MONUMEN
- RADIAL LI

CURVE DATA					
CURVE	RADIUS	CENTRAL ANGLE	ARC LENGTH	CHORD LENGTH	BEARING DIRECTION
46	263.00	8°26'31"	367.61	353.47	S 38°17'15" W
49	197.00	8°26'31"	290.34	264.76	S 38°17'15" W
52	263.00	15°54'13"	73.00	72.77	S 11°53'7" E
53	197.00	15°54'13"	54.68	54.51	S 11°53'7" E
54	194.00	15°57'38"	54.04	53.67	N 78°08'36" E
55	260.00	15°57'38"	72.43	72.19	N 78°08'36" E

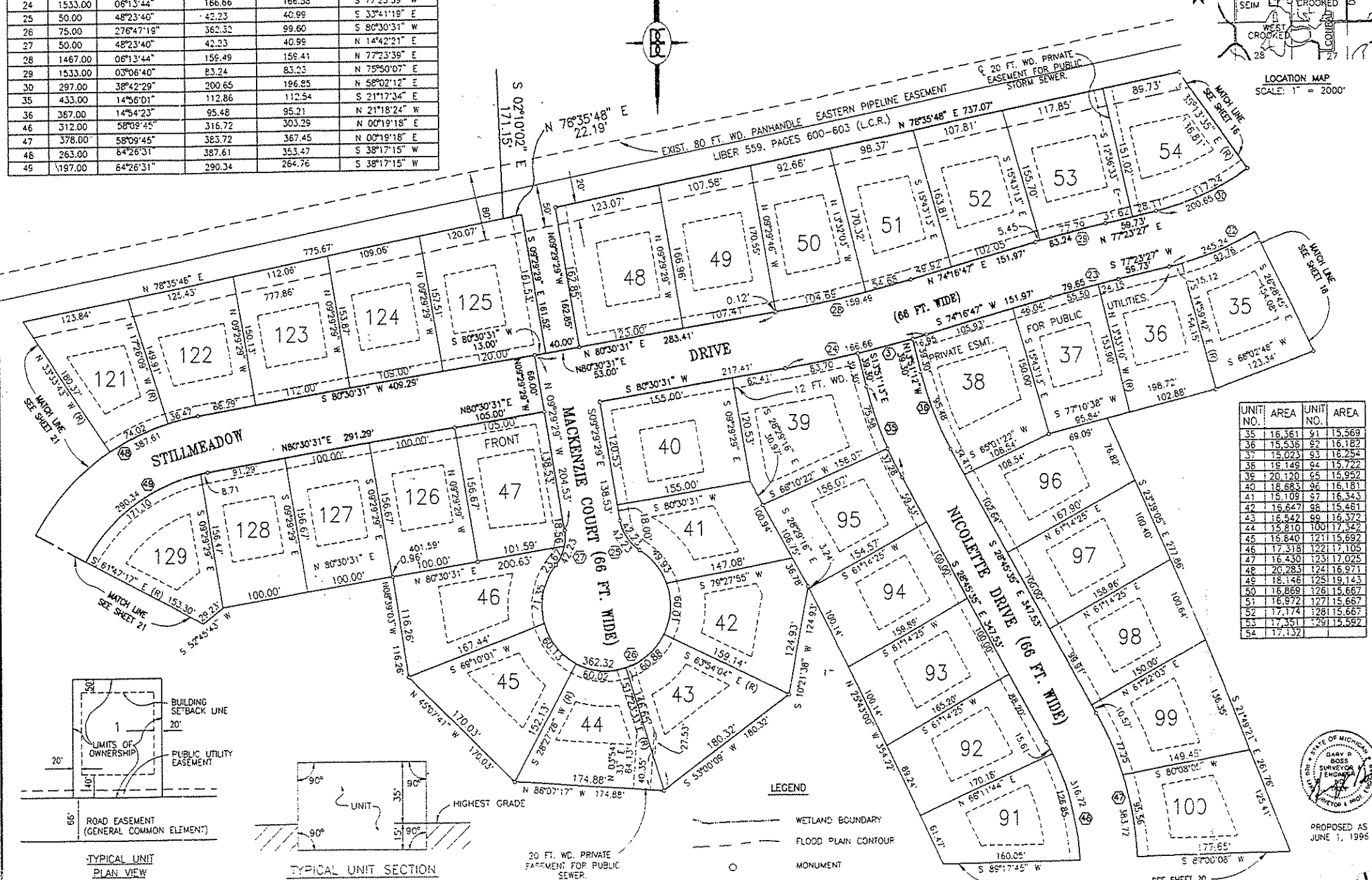
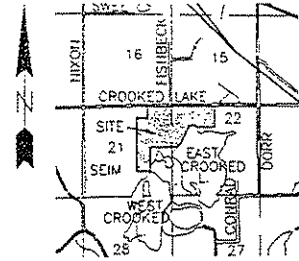
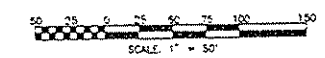


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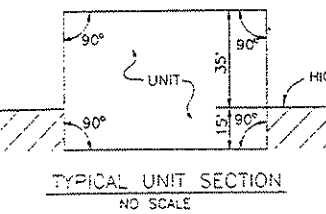
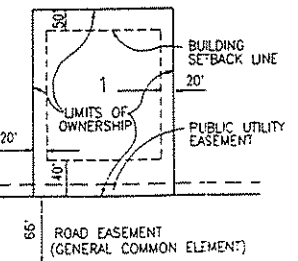
CURVE DATA

CURVE	RADIUS	CENTRAL ANGLE	ARC LENGTH	CHORD LENGTH	BEARING DIRECTION
1	1533.00	02°28'01"	66.01	66.00	S 76°08'46" W
2	363.00	38°42'29"	245.24	240.60	S 58°02'12" W
23	1467.00	03°06'40"	79.66	79.65	S 75°50'07" W
24	1533.00	06°13'44"	166.66	166.58	S 77°23'39" W
25	50.00	48°23'40"	42.23	40.99	S 33°41'18" E
26	75.00	27°47'19"	362.32	99.60	S 80°30'31" W
27	50.00	48°23'40"	42.23	40.99	N 14°42'21" E
28	1467.00	06°13'44"	156.49	156.41	N 77°23'39" E
29	1533.00	03°06'40"	83.24	83.23	N 75°50'07" E
30	297.00	38°42'29"	200.65	196.85	N 58°02'12" E
35	433.00	14°56'01"	112.86	112.54	S 21°17'34" E
36	367.00	14°54'23"	95.48	95.21	N 21°18'24" W
46	312.00	58°09'45"	316.72	303.29	N 00°19'18" E
47	378.00	58°09'45"	363.72	367.45	N 00°19'18" E
48	263.00	84°26'31"	387.61	353.47	S 38°17'15" W
49	197.00	84°26'31"	290.34	264.76	S 38°17'15" W

UNIT AREAS & PERIMETER PLAN



UNIT NO.	AREA	UNIT NO.	AREA
35	16,361	91	15,369
36	15,536	92	16,182
37	15,023	93	16,254
38	19,149	94	15,722
39	20,120	95	15,952
40	18,683	96	16,181
41	15,109	97	16,343
42	15,627	98	15,461
43	16,542	99	16,372
44	15,810	100	17,342
45	16,840	121	15,692
46	17,318	122	17,105
47	16,430	123	17,025
48	20,283	124	16,971
49	18,146	125	19,143
50	16,869	126	15,667
51	16,972	127	15,667
52	17,174	128	15,667
53	17,351	129	15,582
54	17,132		



20 FT. WD. PRIVATE EASEMENT FOR PUBLIC SEWER.

- LEGEND
- WETLAND BOUNDARY
 - - - FLOOD PLAN CONTOUR
 - MONUMENT
 - (R) RADIAL LOT LINE



PROPOSED AS OF JUNE 1, 1995

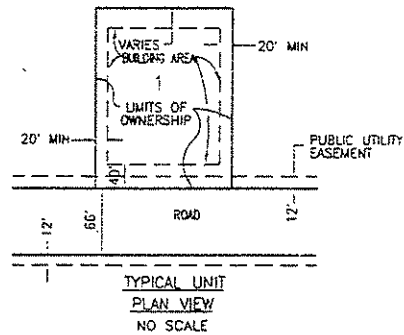
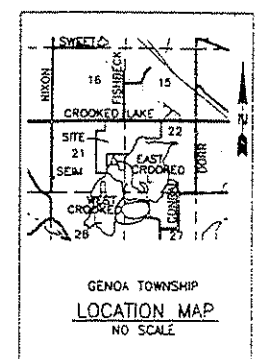
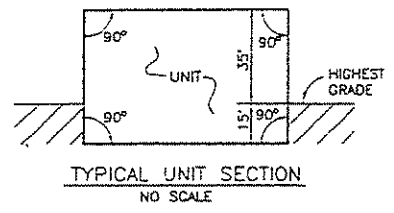
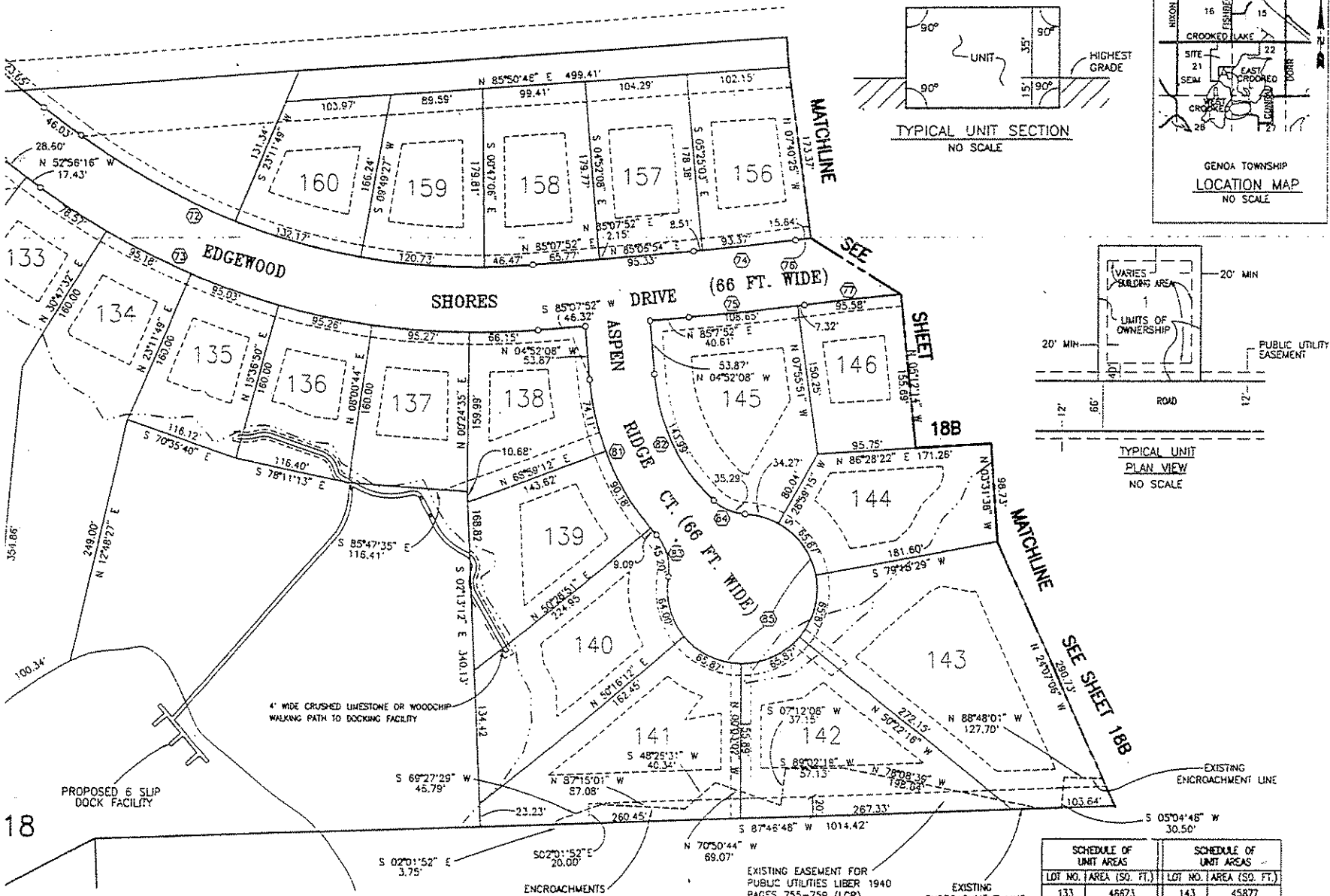
BOSS ENGINEERING ENGINEERS & SURVEYORS
 3121 E. GRAND RIVER
 HOWELL MI 48843
 TEL: (517) 846-3636 FAX: (517) 846-1870

CLIENT: NORTH SHORE LAND DEVELOPMENT
 PROJECT: NORTH SHORE VILLAGE
 TITLE: UNIT AREAS & PERIMETER PLAN

CHECKED BY: [Signature]
 DRAWN BY: TRV
 SCALE: 1"=50'
 JOB NO. 95634
 DATE: 06-15-95

17

UNIT AREAS & PERIMETERS



BOSS ENGINEERING
ENGINEERS • SURVEYORS • PLANNERS
LANDSCAPE ARCHITECTS

1315 W. WASHINGTON ST. SUITE 100
MILWAUKEE, WI 53233
TEL: 414-224-1111 FAX: 414-224-1112
WWW.BOSS-ENG.COM

CURVE NORTH SHORE LAND DEVELOPMENT
PROJECT NORTH SHORE VILLAGE
TITLE UNIT AREAS & PERIMETERS



DESIGNED BY: LK
DRAWN BY: LK
CHECKED BY:
SCALE: 1" = 50'
JOB NO. 9875612
DATE: 06-09-99

SCHEDULE OF UNIT AREAS		SCHEDULE OF UNIT AREAS	
LOT NO.	AREA (SQ. FT.)	LOT NO.	AREA (SQ. FT.)
133	45673	143	45877
134	44055	144	21293
135	16756	145	27350
136	15790	146	15226
137	16791	156	18605
138	18068	157	18830
139	21223	158	19074
140	26121	159	18243
141	31371	160	17271
142	28823		

CURVE DATA											
CURVE	RADIUS	CENTRAL ANGLE	ARC LENGTH	CHORD LENGTH	BEARING DIRECTION	CURVE	RADIUS	CENTRAL ANGLE	ARC LENGTH	CHORD LENGTH	BEARING DIRECTION
70	467.00	15°10'15"	123.65	123.29	S 45°21'09" E	71	1867.00	05°46'17"	188.06	187.98	N 84°44'54" E
71	533.00	15°10'15"	141.13	140.72	N 45°21'09" W	81	263.00	37°46'15"	173.38	170.25	N 23°45'15" W
72	652.00	41°55'51"	477.16	466.58	S 73°54'12" E	82	197.00	41°52'47"	143.99	140.81	S 25°48'31" W
73	718.00	41°55'51"	525.46	513.81	N 73°54'12" W	83	50.00	51°47'55"	45.20	43.68	N 76°44'25" W
74	1967.00	03°16'06"	112.21	112.19	N 83°29'49" E	84	50.00	40°26'41"	35.29	34.57	S 66°58'15" E
75	2033.00	03°15'06"	115.97	115.96	S 83°29'49" W	85	75.00	27°6'21'08"	361.74	100.03	S 50°58'58" W
76	1933.00	5°46'17"	194.71	194.62	N 84°44'54" E						

PROPOSED AS OF JULY 15, 2000
MUST BE BUILT

18