

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

COORDINATE

SCHEDULE

NO.	NORTH	EAST
12	504010.55	850216.25
13	504788.58	849811.75
14	505236.44	849743.45
15	507545.61	850359.36
16	507334.66	851144.50
17	507267.95	851454.94
25A	507205.51	851722.07
26	507140.79	851963.79
27	507043.15	852230.30
28	506937.18	852478.66
29	506827.36	852791.61
30	506725.05	853047.39
31	506633.68	853304.24
32	506544.59	853562.09
33	506455.03	853822.89
34	506371.77	854085.94
37	506273.16	854352.97
38	506181.61	854622.94
39	506095.65	854896.01
40	506015.68	855176.65
41	505942.50	855464.56
42	505875.05	855760.44
43	505813.15	856064.01
44	505756.89	856375.98
100	505705.06	856696.12
101	505658.85	857027.05
103	505625.14	857368.35
104	505596.36	857719.82
105	505572.17	858081.55
106	505552.94	858454.60
107	505538.38	858838.21
108	505528.19	859232.00
109	505522.86	859636.81
112	505522.22	860052.42
113	505522.85	860478.59
114	505524.85	860915.25
115	505528.85	861362.49
116	505534.22	861820.22
118	505541.23	862288.55
119	505549.11	862767.16
120	505557.37	863256.96
121	505566.20	863757.97
122	505575.22	864269.11
123	505584.49	864791.32
124	505594.90	865324.61
125	505606.67	865869.20
126	505619.23	866425.63
127	505632.49	866994.46
128	505646.37	867575.07
129	505660.60	868167.48

NO.	NORTH	EAST
130	507077.88	850373.07
131	507138.59	850966.30
132	507214.48	851646.00
133	507305.61	852412.23
134	507412.91	853276.30
135	507536.96	854238.03
136	507678.84	855308.43
137	507837.71	856498.18
138	508014.66	857807.61
139	508209.09	859237.41
140	508421.44	860788.52
141	508652.61	862461.51
142	508902.50	864267.04
143	509171.68	866205.50
144	509460.42	868287.25
145	509772.30	870512.41
146	510108.72	872891.78
147	510470.32	875425.98
148	510858.47	878126.09
149	511273.27	880994.69
150	511714.43	884032.42
151	512182.10	887250.54
151A	504938.92	849862.82
152	504922.62	849921.13
153	505016.04	850299.98
154	505126.83	850917.22
155	505253.67	851684.79
156	505398.27	852602.69
157	505562.34	853681.46
157A	505276.21	850158.28
158	505247.75	850174.44
159	505062.91	850137.49
160	505096.06	850212.10
161	505122.44	850200.38
162	505237.95	850223.47
163	505258.01	850249.34
164	505267.04	850344.88
165	505288.08	850409.78
166	505336.51	850548.02
167	505314.89	850328.76
168	505325.14	850170.06
169	505470.12	849784.58
170	505502.32	849769.98
170A	505703.56	849345.66
171	506185.55	850727.03
172	506184.26	850739.51
173	506232.46	85112.93
174	506341.43	851331.46
175	506419.06	851473.50
176	506490.32	851507.02
177	506567.93	851753.27
178	506634.42	851764.54
179	506704.86	851622.12
181	506809.94	851813.79
182	506921.20	851847.30
182A	506228.48	852033.87
183	505201.18	849593.86
184	505184.12	849564.64
185	505205.12	849468.41
186	505148.57	849447.06
187	505125.50	849551.85
188	505097.82	849571.31
189	506508.25	853361.00

NO.	NORTH	EAST
190	506674.63	852970.64
191	506844.34	852572.44
192	506993.49	852222.48
193	507127.20	851811.59
195	507212.91	851439.30
196	507268.04	851199.87
197	507408.61	850941.37
198	504583.52	849824.22
199	504547.65	849865.91
200	504550.30	849901.17
201	504728.46	850054.42
202	504649.25	850074.22
203	504642.24	850046.21
204	504517.70	849939.08
205	504482.44	849941.73
206	504538.03	849785.09
207	504152.53	850233.26
208	506577.56	851322.46
209	506544.05	851533.72
210	506282.21	852060.58
211	506222.85	852299.16
212	507102.18	851783.18
213	507123.30	851828.25
214	506216.96	852521.79
215	506216.83	852526.15
216	506239.07	852551.83
217	506323.74	852561.17
218	506503.46	852731.10
219	506512.14	852746.20
220	506444.72	852749.42
221	506451.16	852725.43
222	506318.26	852610.87
223	506233.59	852601.53
224	506206.29	852621.75
225	505944.15	853024.22
226	505936.99	853037.37
226A	505951.59	853083.03
227	506056.38	853145.23
228	506264.67	853150.75
229	506283.82	853142.91
230	506281.75	853209.55
231	506263.34	853200.73
232	506055.06	853195.21
233	505908.35	853108.14
234	505893.45	853082.48
235	505800.96	853072.51
236	506191.94	853124.38
237	506162.94	853141.31
238	506027.15	853127.87
239	506001.98	853105.07
240	505922.25	853124.47
241	505928.91	853175.18
242	505932.51	853191.03
243	505942.44	853198.86
244	505952.15	853209.20
245	505930.65	853136.16
246	505722.70	852164.73
247	505541.14	852093.79
248	505476.26	852015.07
249	505472.66	851979.88
250	505553.93	851918.66
251	505644.75	851901.97
252	505661.45	851921.81

NO.	NORTH	EAST
253	505698.96	851865.54
254	505681.44	851863.43
255	505522.13	851880.08
256	505447.86	851941.29
257	505412.67	851937.90
258	505366.87	851882.34
259	505361.90	851768.10
260	505378.14	851744.48
261	505395.56	851733.84
262	505340.62	851696.08
263	505336.93	851716.15
264	505320.69	851739.78
265	505328.29	851914.14
266	505302.56	852125.59
267	505729.51	852214.26
268	505955.83	852183.19
269	506150.40	852189.77
270	506170.04	852218.07
271	506162.87	852297.58
272	506156.98	852320.20
273	504198.01	850272.39
274	504165.94	850307.58
275	504165.45	850341.77
276	504284.47	850472.47
277	504319.79	850474.12
278	504452.20	850353.53
279	504460.37	850334.82
280	504505.26	850344.11
281	504485.87	850390.50
282	504533.45	850511.09
283	504351.80	850346.40
284	504466.27	850672.10
285	504501.58	850733.75
286	504676.17	850914.75
287	504952.02	850416.32
288	504916.90	850489.75
289	504890.34	850477.12
290	504850.45	850483.67
291	504709.84	850551.72
292	504596.16	850709.88
293	504595.68	850746.40
294	504489.02	850784.73
295	504454.68	850784.09
296	504420.25	850747.81
297	504421.90	850712.49
298	504320.62	850906.19
299	504286.94	850869.22
300	505370.50	853134.89
301	505455.53	853131.85
302	505429.88	853156.18
303	505423.26	853406.09
304	505447.59	853431.74
305	505501.67	853433.18
306	505520.52	853425.34
307	505518.75	853491.98
308	505500.35	853483.16
309	504962.34	853468.91
310	504943.49	853476.75
311	504945.26	853410.11
312	504969.66	853418.93
313	505347.63	853429.10
314	505373.28	853404.77
315	505379.90	853154.85

NO.	NORTH	EAST
316	505355.57	853129.20
317	505209.30	853125.17
318	504463.74	852754.32
319	504428.66	852758.68
320	504324.73	852892.07
321	504319.85	852911.90
322	504267.26	852870.92
323	504285.29	852861.35
324	504389.21	852727.95
325	504384.86	852692.87
326	504163.98	852520.78
327	504128.89	852525.14
328	504024.97	852658.53
329	504020.09	852678.35
330	503967.50	852637.38
331	503985.52	852627.80
332	504089.10	852484.86
333	504083.82	852459.09
334	503769.69	852354.53
335	503714.39	852359.06
336	503688.74	852377.38
337	503685.34	852304.66
338	503614.48	852698.70
339	503582.72	852623.42
340	503611.01	852609.54
341	503635.36	852503.92
342	503638.75	852376.09
344	503384.51	852344.26
345	502801.88	852083.09
346	504715.16	852952.21
347	504728.79	852381.25
348	504710.06	852391.75
349	504680.73	852382.94
350	504200.85	852473.45
351	504196.50	852438.36
352	504882.38	852263.41
353	504888.97	852231.35
354	504878.50	852211.50
355	504844.20	852138.32
356	504463.21	852096.03
357	504912.82	852382.94
358	504945.49	852305.02
359	504962.40	852320.40
360	504670.26	852351.82
361	504685.00	852446.74
362	504759.22	852420.92
365	503610.76	852709.36
366	504752.04	852902.87
367	505064.46	852602.21
368	5	

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

COORDINATE

SCHEDULE

NO.	NORTH	EAST
456	503289.49	851351.87
457	503331.60	851376.10
458	503337.07	851390.43
459	503266.69	851570.90
460	503280.89	851603.28
461	503306.05	851613.09
462	503230.35	851664.07
463	503177.14	851800.51
464	503166.37	851826.39
465	503177.38	851858.53
466	503367.21	851960.68
467	503387.56	851962.17
468	503355.97	852020.88
469	503343.51	852004.71
470	503153.69	851902.55
471	503120.80	851911.06
472	503084.93	851961.30
473	502964.93	852112.92
474	502970.36	852149.04
475	503386.10	852284.28
476	503616.02	852290.41
477	503641.68	852266.09
478	503647.86	852034.07
480	503691.67	852267.42
481	503715.99	852293.08
482	503771.29	852294.55
483	504122.44	852412.94
484	504156.76	852408.01
485	504423.77	852065.30
486	504889.42	852116.99
487	504923.72	852189.71
488	504994.72	852282.24
489	505360.60	852592.10
490	505401.11	852637.08
491	505431.43	852646.06
492	505615.94	852568.73
493	505739.24	852547.88
494	505756.54	852542.35
501A	506638.01	850985.58
502	506520.63	850983.94
503	506524.80	850964.00
504	506765.93	850967.37
505	506763.43	850717.40
506	506436.38	850259.15
513	504634.36	850821.29
521	505848.04	849918.13
522	505388.00	850737.00
536	505205.39	850618.91
545	504676.25	850845.37
546	504818.02	850689.95

NO.	NORTH	EAST
551	504885.77	850427.20
552	504866.03	850430.44
553	504848.21	850321.90
554	504702.12	850342.35
555	504559.46	850343.86
556	504553.25	850323.86
557	504670.08	850322.68
573	505765.30	853333.99
574	505719.54	853121.05
605	503671.24	850968.99
606	503750.00	850899.55
715	503770.28	851244.39
716	504353.53	851408.88
717	504271.57	851612.40
718	504429.80	851878.98
720	504112.12	852188.60
721	503694.07	852177.45
722	503697.84	852035.40
723	503547.41	851752.53
724	503414.86	851668.21
725	503345.55	851630.05
726	503262.73	851649.86
727	503288.31	851659.84
728	503388.02	851710.39
729	503520.57	851794.71
901	506025.60	851666.90
902	505982.03	851754.59
903	505912.05	851786.61
904	505267.60	851428.74
905	505293.08	851442.89
906	505562.68	850849.96
950	506608.69	851448.59
951	506519.14	851404.09
953	506541.49	851404.04
954	506525.23	851430.75
955	507103.55	851624.53
957	507160.33	851667.68
1000	506522.10	849967.61
1001	506557.65	850169.86
1002	506420.61	850211.70
1003	506420.32	851334.70
1004	506360.75	851388.09
1005	507173.47	851841.68
1006	505638.66	849821.25
1007	505659.78	849765.10
1008	505673.12	849644.42
1009	506544.05	851533.72
1010	504059.13	850159.77
1011	504148.51	850237.90
1012	504159.80	850224.80
1013	503787.51	850866.48
1014	504296.27	850342.18
1015	504491.90	850114.74
1016	504687.36	850282.88
1017	504868.58	850322.54
1018	505026.85	850324.03
1019	505135.74	850345.80
1020	505176.54	850568.29
1021	505007.23	852001.46
1022	505086.67	852150.45
1023	505391.92	852408.96
1024	505501.98	852282.12
1025	505634.15	852328.30

NO.	NORTH	EAST
1026	505822.38	852302.44
1027	505808.77	852203.37
1028	505828.58	852200.65
1029	505842.19	852299.72
1030	505997.93	852278.32
1031	506163.37	852284.13
1032	505706.93	853062.39
1033	503999.85	850304.91
1034	503760.10	850374.90
1035	503788.13	850469.23
1036	503762.01	850476.50
1037	503808.71	850656.64
1038	503875.42	850788.97
1040	504487.55	851052.23
1041	504510.00	851180.00
1042	503777.06	850534.58
1043	503538.45	851253.31
1044	505256.20	852569.21
1045	505275.28	852585.37
1046	505182.86	852694.49
1047	505221.20	852725.50
1048	505216.44	852905.44
1049	505086.49	852902.00
1050	504929.96	852840.55
1051	504858.48	852972.49
1052	504865.77	852976.38
1053	504837.75	853029.44
1054	504714.82	853262.29
1055	504698.78	853261.86
1056	503765.67	852779.84
1057	503833.88	852561.32
1058	503835.22	852511.34
1059	503929.48	852520.75
1060	503981.24	852401.37
1061	504005.11	852346.32
1062	504043.34	852364.44
1063	504163.19	852058.07
1064	504537.73	851806.53
1065	504767.38	851793.81
1066	504964.63	851921.55
1067	504978.75	851948.03
1068	504845.57	852050.86
1069	504858.37	852066.24
1070	504988.29	851965.92
1071	503246.64	851140.67
1072	502983.39	851815.67
1073	502823.18	852018.09
1074	502836.08	852031.81
1075	502792.36	852072.91
1076	502967.14	851031.66
1077	502593.81	850829.56
1078	502601.48	850811.09
1079	502645.79	850489.42
1080	502665.22	850462.02
1081	502720.57	850449.79
1082	503082.70	850458.72
1083	503184.39	849680.42
1084	503115.50	849846.41
1085	503205.91	849883.93
1086	503198.25	849902.41
1087	503107.84	849864.88
1088	502901.07	850363.12

NO.	NORTH	EAST
1089	502663.58	850380.46
1090	502647.96	850383.91
1091	502618.80	850367.25
1092	502542.74	850392.06
1093	502527.59	850780.42
1094	502519.92	850798.89
1095	503960.91	850393.80
1096	503943.57	850409.76
1097	503888.78	850308.38
280A	504842.35	850434.33

NO.	NORTH	EAST
4	501735.09	848361.47
5	501922.33	848910.41
6	502177.02	849071.96
7	502167.82	849111.27
8	502648.35	849360.25
9	502926.34	849317.04
10	503017.19	849571.98

NO.	NORTH	EAST
2096	506931.31	850327.96
2097	506568.54	850582.04
2098	506552.26	850569.71
2099	506619.51	850511.12
2205	506461.46	851464.76
2206	506310.25	851313.76
2207	506287.84	851269.01
2208	506250.31	851148.72

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

Palmer F. Wine 5-1-70
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas L. Harvigh 5-1-70
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Norman S. Meill 4-30-70
DIRECTOR DATE

* and other municipal utilities

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

** and in and through the specified easement areas shown hereon;

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 Folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *Whitman, Requardt & Assoc.* Reg. No. 1974
2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER (By) *Whitman, Requardt & Assoc.* Reg. No. 1974
2 W. Preston St., Baltimore, Md., 21201

OWNER (By) *Thomas A. Corland* Auth. Agent
The Howard Research and Development Corporation
Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 42

on May 1, 1970 among The Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

SECTION 1

AREA 1

Sheet 2 of 23

6th Election District of Howard County, Md.

Scale: 1" = 100' Date: February 20, 1970.

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

COORDINATE SCHEDULE

NO.	NORTH	EAST
1100	502395.87	852603.26
1101	502079.05	852343.83
1102	502032.87	852324.66
1103	502195.78	851932.13
1104	502144.70	851879.46
1105	502089.01	851822.03
1106	502278.90	851434.87
1107	502279.67	851430.99
1108	502339.77	851233.00
1109	502413.66	851263.66
1110	502358.14	851446.56
1111	502357.37	851450.45
1112	502304.08	851631.65
1113	502317.60	851663.86
1114	502372.15	851686.91
1115	502435.18	851718.97
1116	502498.20	851751.03
1117	502712.04	851899.86
1118	502668.32	851940.95
1119	502474.85	851806.30
1120	502407.93	851783.45
1121	502341.01	851760.60
1122	502281.34	851735.39
1123	502250.09	851745.70
1124	502223.39	851617.78
1125	502216.37	851634.69
1126	501794.09	852900.01
1127	501765.17	852952.59
1128	501502.76	852808.26
1129	501531.67	852755.68
1130	501292.82	852409.75
1131	501233.41	852418.17

NO.	NORTH	EAST
1132	501197.24	852162.73
1133	501168.98	852141.48
1134	501145.90	852144.84
1135	501134.08	852065.63
1136	501256.65	852154.31
1137	501277.90	852126.06
1138	501788.88	852053.70
1139	501777.66	851974.49
1140	502010.00	851750.00
1141	501830.00	851500.00
1142	501750.00	851250.00
1143	501638.00	851155.00
1144	501558.00	851040.00
1145	501380.00	851182.50
1146	501222.50	851167.50
1147	500886.48	851259.79
1148	501009.30	851372.55
1149	501063.98	851570.56
1150	501805.00	851047.50
1151	502046.82	850707.68
1152	502285.90	850664.23
1153	502083.14	851827.64
1154	502590.89	849330.48
1155	502582.98	849414.53
1156	502618.23	849509.49
1157	502558.63	849707.13
1158	502425.59	849906.46
1159	502306.16	849998.23
1160	502268.65	849980.20
1161	502236.37	850053.40
1162	502202.84	850067.58
1163	502191.01	850099.48

NO.	NORTH	EAST
1164	502141.20	850203.46
1165	502033.51	850383.80
1166	502050.68	850394.05
1167	501860.98	850711.72
1168	501445.00	850865.00
1169	501982.00	850353.04
1170	501759.17	850577.76
1171	501565.52	850484.35
1172	501399.75	850517.18
1173	500975.77	850314.35
1174	501039.77	850165.88
1175	501215.14	849710.64
1176	501247.16	849696.19
1177	501492.71	849787.24
1178	501560.59	849807.07
1179	501628.46	849826.90
1180	502132.17	850013.67
1181	502146.92	850045.81
1182	502134.75	850078.62
1183	502089.69	850172.70
1184	502232.87	849965.69
1185	501656.27	849751.89
1186	501591.88	849722.68
1187	501527.48	849693.47
1188	501283.70	849603.08
1189	501269.06	849570.66
1190	501708.18	848430.77
1191	502205.05	850040.70
1192	500340.25	851083.16
1193		
1194		
1195		

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Palmer F. Wine 5-1-70
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas L. Harris 5-1-70
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Norman S. Mill 4-30-70
 DIRECTOR DATE

* and other municipal utilities

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 Folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *Kenneth P. Meloch* 1974
 Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore Md., 21201

PROFESSIONAL ENGINEER (By) *Kenneth P. Meloch* 1974
 Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER (By) *Thomas A. Garland*
 The Howard Research and Development Corporation Auth. Agent
 Columbia, Md., 21043

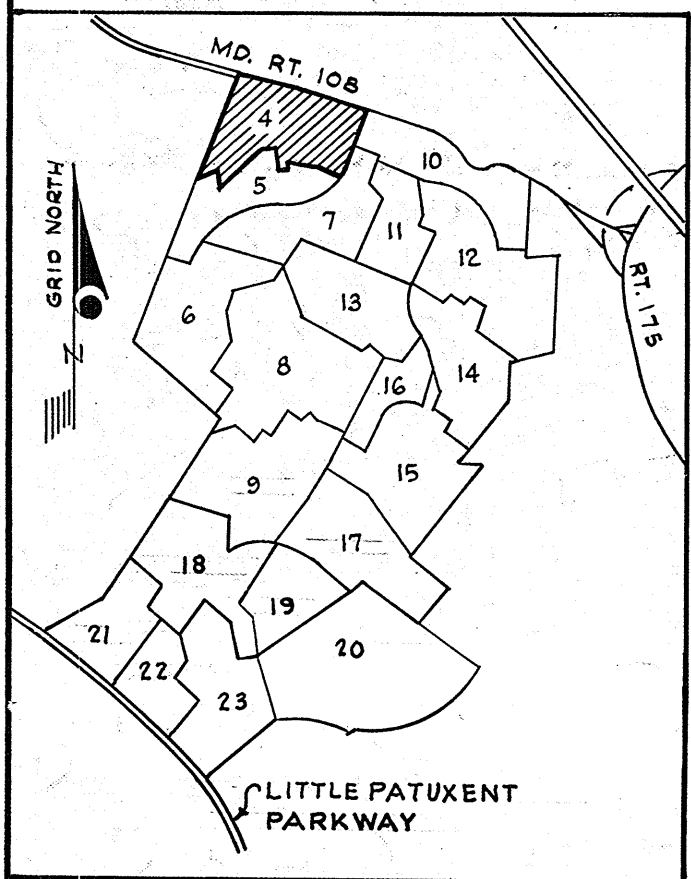
** and in and through the specified easement areas shown hereon;

RECORDED IN PLAT BOOK 18 FOLIO 43
 on MAY 1, 1970 among The Land Records of Howard County, Maryland.

COLUMBIA
 VILLAGE OF LONGREACH

SECTION 1
 AREA 1
 Sheet 3 of 23
 6TH Election District of Howard County, Md.
 Scale: 1" = 100' Date: February 20, 1970.

CURVE DATA						
NOS.	RADIUS	Δ	ARC.	TAN.	CHORD	CHORD BRG.
121-122	275.00'	39°19'23"	188.75'	98.26'	185.06'	N01°16'55"E
123-124	25.00'	90°00'00"	39.27'	25.00'	35.36'	N65°56'39"E
125-126	25.00'	48°11'23"	21.03'	11.18'	20.41'	S44°57'44"E
126-127	50.00'	276°22'46"	241.18'	-	-	-
127-128	25.00'	48°11'23"	21.03'	11.18'	20.41'	N86°50'56"E
129-130	25.00'	90°00'00"	39.27'	25.00'	35.36'	S24°03'21"E
131-132	125.00'	84°20'36"	184.01'	113.23'	167.84'	N63°06'57"E
133-134	25.00'	48°11'23"	21.03'	11.18'	20.41'	S50°37'03"E
134-135	50.00'	276°22'46"	241.18'	-	-	-
135-136	25.00'	48°11'23"	21.03'	11.18'	20.41'	N81°11'33"W
137-138	175.00'	84°20'36"	257.61'	158.52'	234.97'	N63°06'57"E
139-140	325.00'	39°19'23"	223.06'	116.13'	218.71'	S01°16'55"W
212-213	40.00'	76°56'22"	53.71'	31.78'	49.77'	S64°53'46"W
208-209	25.00'	90°00'00"	39.27'	25.00'	35.36'	S18°34'25"E
175-176	25.00'	90°00'00"	39.27'	25.00'	35.36'	N71°25'35"E
1004-2205	336.12'	21°42'18"	127.33'	64.44'	126.57'	N57°16'44"E
1003-100	256.12'	21°42'18"	97.02'	49.10'	96.44'	N37°16'44"E
250-254	25.00'	53°06'28"	23.17'	12.49'	22.35'	S52°58'49"W
251-253	25.00'	53°06'28"	23.17'	12.49'	22.35'	N00°07'39"W
257-255	40.00'	103°27'36"	72.23'	50.70'	62.81'	N23°18'13"W
193-213	2450.00'	00°24'01"	17.12'	8.55'	17.12'	N76°50'06"W
2097-2098	50.00'	23°34'41"	20.58'	10.44'	20.43'	S37°09'08"W
502-503	150.00'	07°47'16"	20.39'	10.21'	20.37'	S78°10'55"E
139-1001	325.00'	30°54'51"	175.36'	89.87'	173.24'	S05°29'14"W
1001-140	325.00'	00°24'38"	47.70'	23.90'	47.66'	S14°10'31"E

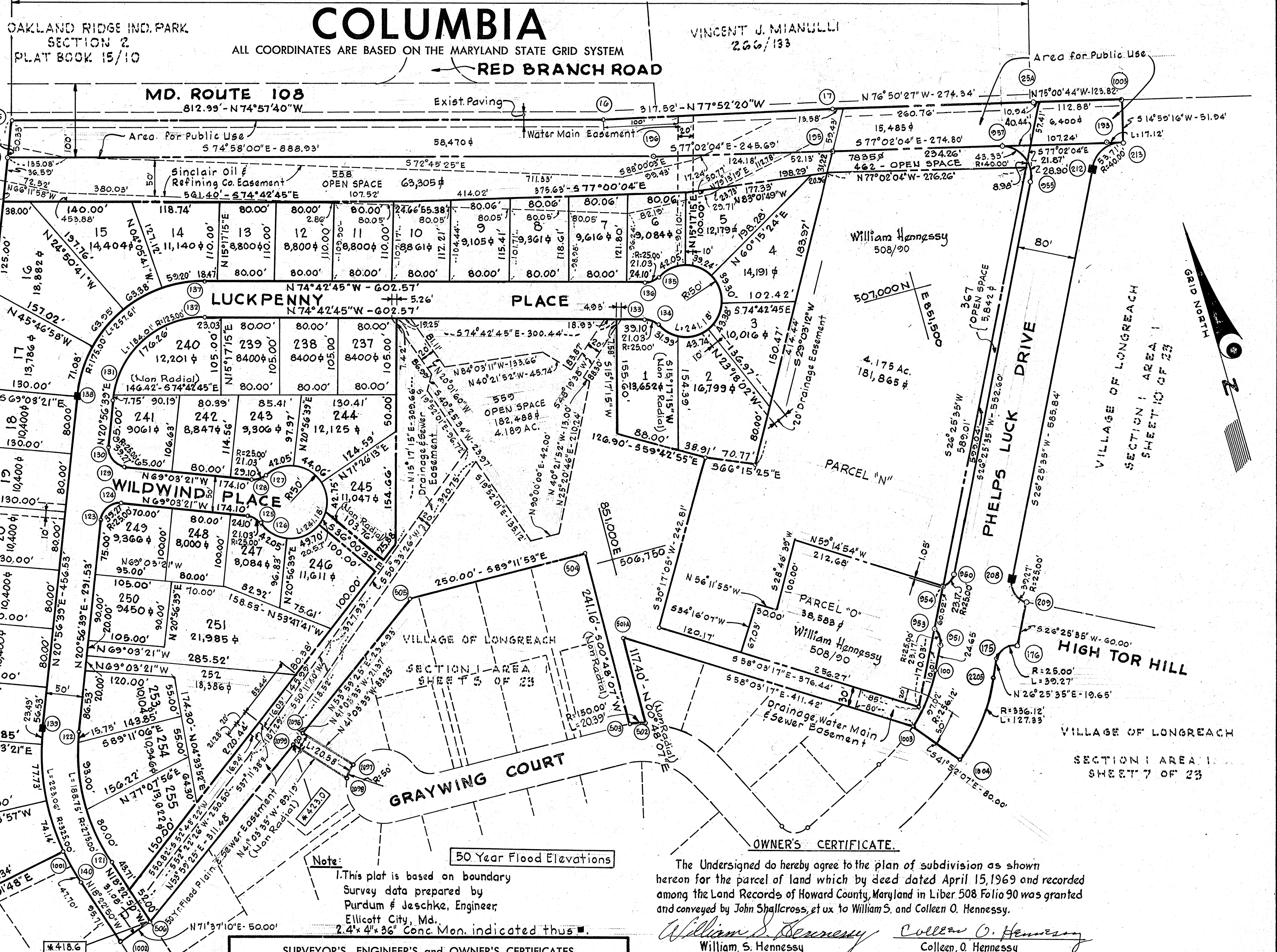


VICINITY MAP
Scale 1" = 2,000'

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

TOTALS	ACREAGE
All lots	= 16.595
R.O.W.	= 5.911
Open Space	= 3.956
Total	= 28.402
Lots this plat (incl. open space)	= 50
Open Space Lots	= 4

VEHICULAR INGRESS AND EGRESS ALONG ROUTE 108 IS RESTRICTED EXCEPT AS APPROVED BY THE HOWARD COUNTY OFFICE PLANNING & ZONING



COLUMBIA
ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

LUCKPENNY PLACE
N74°42'45"W - 602.57'
N74°42'45"W - 602.57'

WILDWIND PLACE
N69°03'21"W - 174.10'
N69°03'21"W - 174.10'

GRAYWING COURT
N71°37'10"E - 50.00'

PHELPS LUCK DRIVE
S26°25'35"W - 60.00'

HIGH TOR HILL
S26°25'35"W - 60.00'

OWNER'S CERTIFICATE
The Undersigned do hereby agree to the plan of subdivision as shown hereon for the parcel of land which by deed dated April 15, 1969 and recorded among the Land Records of Howard County, Maryland in Liber 508 Folio 90 was granted and conveyed by John Shallcross, et ux. to William S. and Colleen O. Hennessy.

50 Year Flood Elevations

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmer E. Wine 5-1-70
County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Harris 5-1-70
Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Therman S. Ornell 4-30-70
Director Date

PROFESSIONAL LAND SURVEYOR
(By) *Whitman, Requardt & Assoc.* 1974
Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER
(By) *Whitman, Requardt & Assoc.* 1974
Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER
(By) *Thomas A. Corland*
The Howard Research and Development Corporation Auth. Agent
Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 44
on May 1, 1970 among The Land Records of Howard County, Maryland.

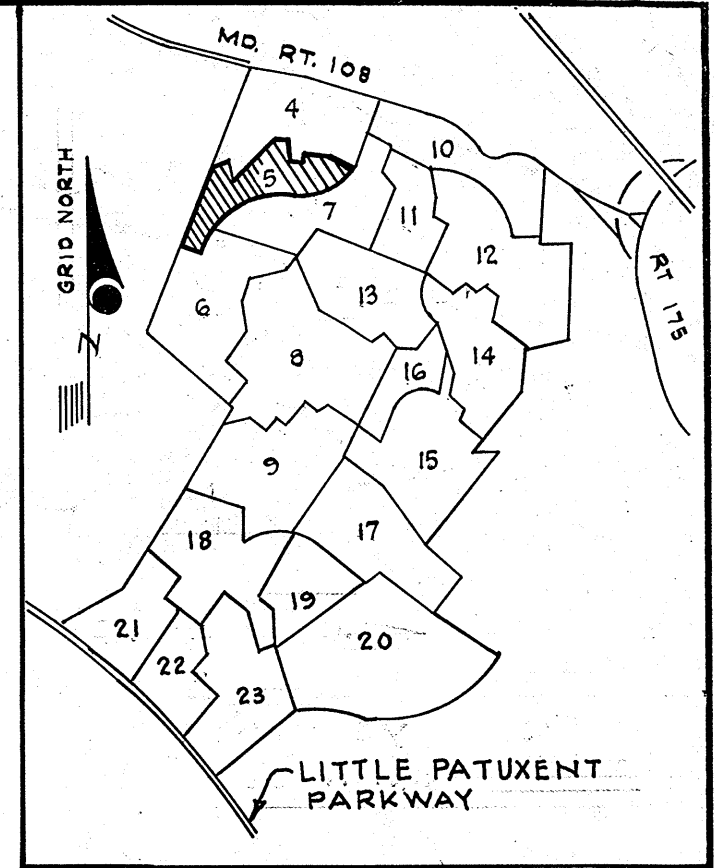
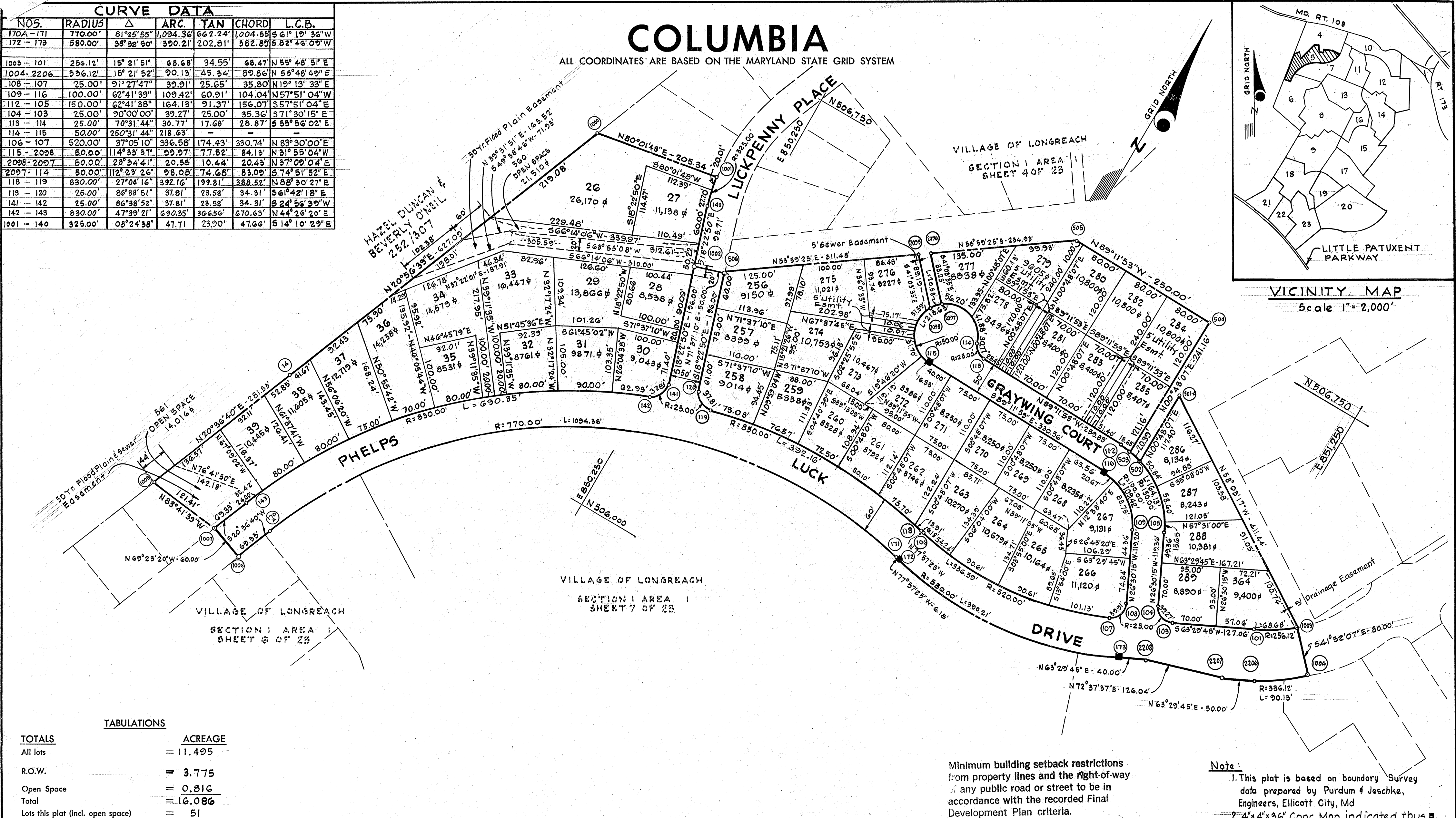
COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 4 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970

CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN	CHORD	L.C.B.
170A-171	770.00'	81°25'55"	1,094.36'	662.24'	1,004.55'	S 61°19'36"W
172-173	580.00'	38°32'50"	390.21'	202.81'	382.89'	S 82°46'09"W
1009-101	256.12'	15°21'51"	68.68'	34.55'	68.47'	N 55°48'51"E
1004-2206	336.12'	18°21'52"	90.13'	45.34'	89.86'	N 55°48'49"E
108-107	25.00'	91°27'47"	39.91'	25.65'	35.80'	N 19°13'33"E
109-116	100.00'	62°41'39"	109.42'	60.91'	104.04'	N 57°51'04"W
112-105	150.00'	62°41'38"	164.13'	91.37'	156.07'	S 57°51'04"E
104-103	25.00'	90°00'00"	39.27'	25.00'	35.36'	S 71°30'15"E
113-114	25.00'	70°31'44"	30.77'	17.68'	28.87'	S 55°56'02"E
114-115	50.00'	250°31'44"	218.63'	—	—	—
106-107	520.00'	37°05'10"	336.58'	174.43'	330.74'	N 83°30'00"E
115-2098	50.00'	114°33'37"	99.97'	77.82'	84.13'	N 31°55'04"W
2098-2097	50.00'	23°34'41"	20.58'	10.44'	20.43'	N 37°09'04"E
2097-114	50.00'	112°23'26"	98.05'	74.68'	83.09'	S 74°51'52"E
118-119	830.00'	27°04'16"	392.16'	199.81'	388.52'	N 88°30'27"E
119-120	25.00'	86°38'51"	37.81'	23.58'	34.31'	S 61°42'18"E
141-142	25.00'	86°38'52"	37.81'	23.58'	34.31'	S 24°56'39"W
142-143	830.00'	47°39'21"	670.35'	366.56'	670.63'	N 44°26'20"E
1001-140	325.00'	08°24'38"	47.71'	23.90'	47.66'	S 14°10'29"E

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM



TABULATIONS

TOTALS	ACREAGE
All lots	= 11.495
R.O.W.	= 3.775
Open Space	= 0.816
Total	= 16.086
Lots this plat (incl. open space)	= 51
Open Space Lots	= 2

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

Note:
 1. This plat is based on boundary Survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
 2. 4" x 4" x 3/8" Conc. Mon. indicated thus ■.

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmer F. Wind 5-1-70
 County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas A. Harris, Jr. 5-1-70
 Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Herman S. O'Neill 4-30-70
 Director Date

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

and other municipal utilities
 The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains, laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR: *Whitman Requardt & Assoc.* Reg. No. 21201
 PROFESSIONAL ENGINEER: *Whitman Requardt & Assoc.* Reg. No. 21201
 OWNER: *Thomas A. Garland* Auth. Agent
 The Howard Research and Development Corporation
 Columbia, Md., 21043

RECORDED IN PLAT BOOK 13 FOLIO 45
 on May 1, 1970 among The
 Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

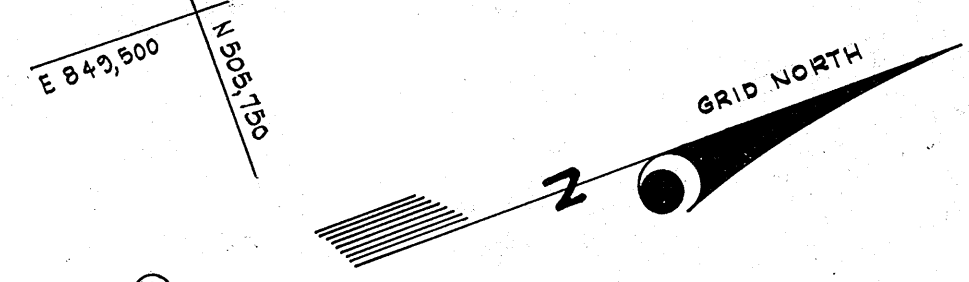
SECTION 1
 AREA 1
 Sheet 5 of 23
 6TH Election District of Howard County, Md.
 Scale: 1" = 100' Date: February 20, 1970

CURVE DATA						
NO.	RADIUS	Δ	ARC.	TAN.	CHORD	L.C.B.
146 - 147	25.00'	90°00'00"	39.27'	25.00'	35.36'	N65°36'40"E
148 - 149	25.00'	90°00'00"	39.27'	25.00'	35.36'	N24°23'20"W
150 - 151-A	325.00'	37°00'00"	209.88'	108.74'	206.25'	S02°06'40"W
151 - 152	50.00'	244°50'29"	218.66'	-	-	-
152 - 153	25.00'	78°19'07"	34.17'	20.36'	31.57'	S42°04'16"E
153 - 154	275.00'	23°31'22"	112.90'	57.26'	112.11'	S08°50'59"W
155 - 156	25.00'	90°00'00"	39.27'	25.00'	35.36'	N65°36'40"E
157 - 157-A	325.00'	1°05'31"	6.19'	3.10'	6.19'	N69°56'05"W
157-A-158	25.00'	81°47'13"	35.69'	21.65'	32.73'	N29°35'14"W
159 - 160	50.00'	250°31'44"	218.63'	-	-	-
160 - 161	25.00'	70°31'44"	30.77'	17.68'	28.87'	S23°51'39"E
162 - 163	25.00'	81°47'12"	35.69'	21.65'	32.73'	N24°23'20"W
163 - 164	325.00'	16°58'54"	96.32'	48.52'	95.97'	S84°56'07"W
165 - 166	50.00'	250°28'51"	218.59'	-	-	-
166 - 167	25.00'	71°23'20"	31.15'	17.95'	29.17'	N41°17'56"E
167 - 168	275.00'	33°37'04"	161.35'	83.07'	159.05'	S86°11'52"E
169 - 170	25.00'	90°00'00"	39.27'	25.00'	35.36'	N24°23'20"W
171 - 172	630.00'	3°29'00"	38.30'	19.16'	38.29'	S18°52'10"W
183 - 184	25.00'	85°11'00"	37.17'	22.98'	33.84'	S59°43'10"W
187 - 188	25.00'	85°11'00"	37.17'	22.98'	33.84'	S59°05'20"E
188 - 206	630.00'	56°47'36"	624.48'	940.59'	999.22'	S20°54'08"E
205 - 204	25.00'	90°00'00"	39.27'	25.00'	35.36'	N04°17'56"W
208 - 202	25.00'	70°31'44"	30.77'	17.68'	28.87'	N75°57'56"E
202 - 201	50.00'	250°31'44"	218.63'	-	-	-
200 - 199	25.00'	90°00'00"	39.27'	25.00'	35.36'	S85°42'04"W
198 - 145	570.00'	69°54'36"	695.49'	998.45'	653.14'	S14°20'38"E
170A-521	770.00'	12°02'59"	161.93'	81.27'	161.64'	N26°38'10"E
1011 - 207	770.00'	00°27'23"	6.13'	3.06'	6.13'	S49°04'34"E
555 - 556	50.00'	23°04'26"	20.14'	10.21'	20.00'	N89°23'37"E

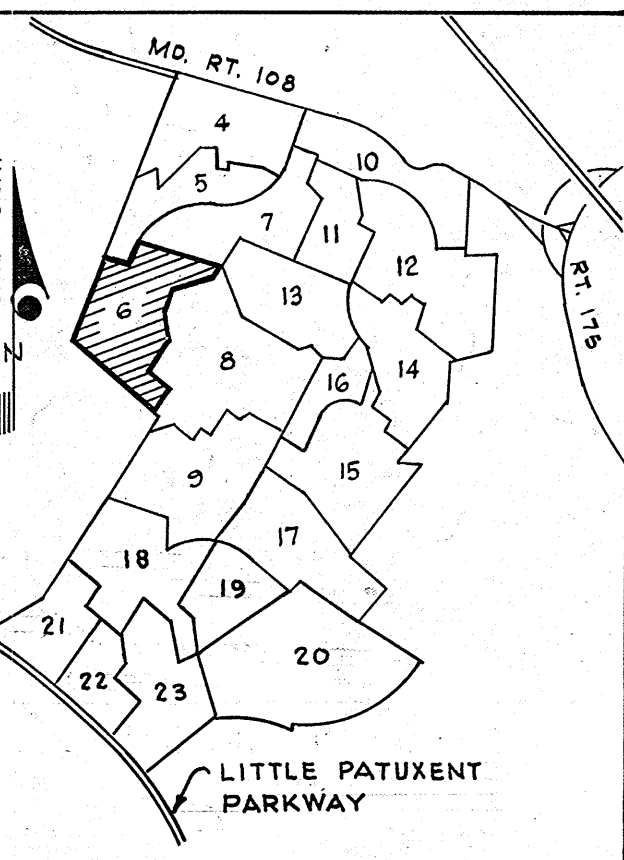
COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

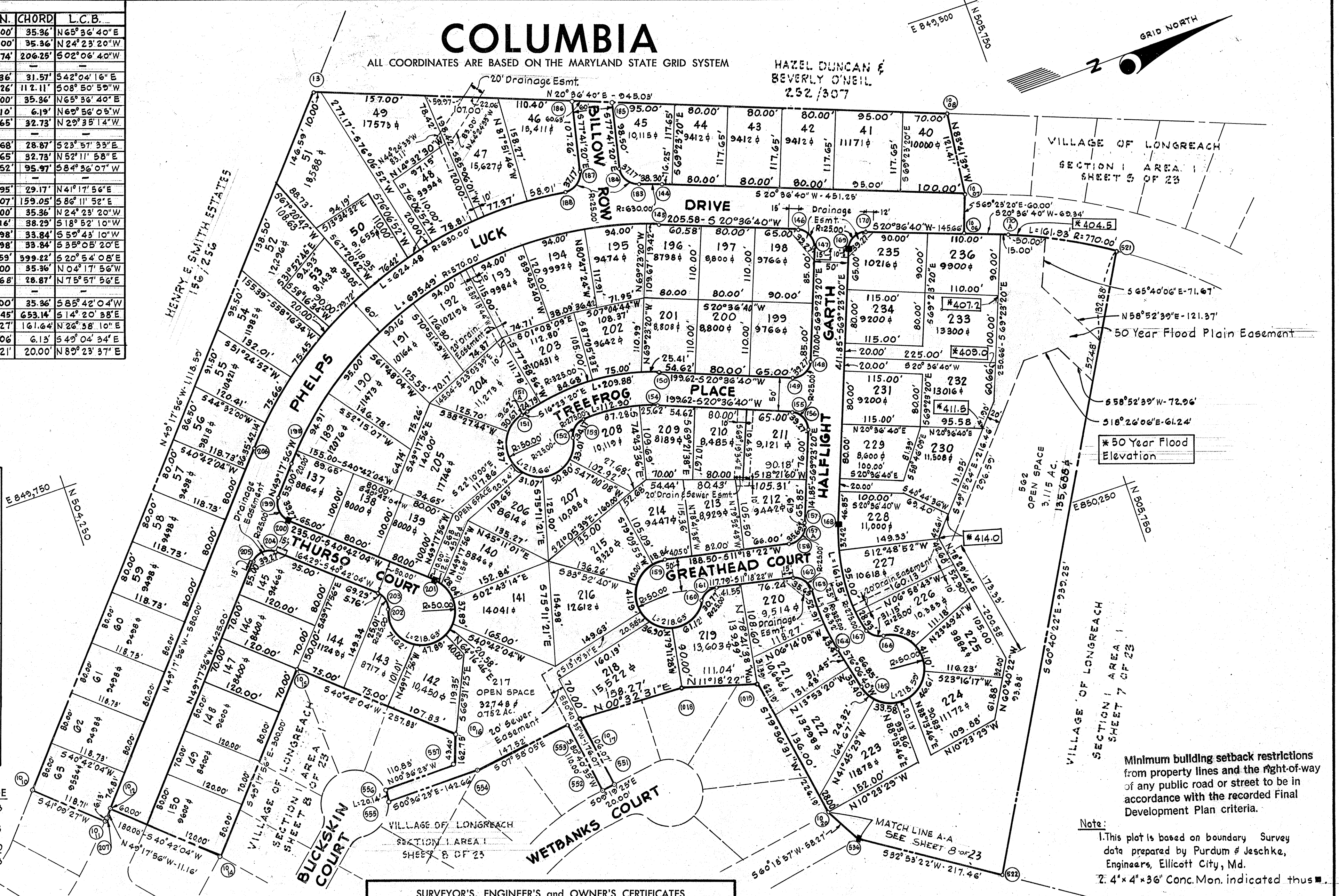
HAZEL DUNCAN &
BEVERLY O'NEIL
252/307



VICINITY MAP
Scale 1" = 2,000'



TOTALS	ACREAGE
All lots	= 20.423
R.O.W.	= 4.995
Open Space	= 3.270
Total	= 20.388
Lots this plat (incl. open space)	= 28
Open Space Lots	= 2



VILLAGE OF LONGREACH
SECTION 1 AREA
SHEET 5 OF 23

VILLAGE OF LONGREACH
SECTION 1 AREA
SHEET 7 OF 23

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

Note:
1. This plat is based on boundary Survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
2. 4' x 4' x 36" Conc. Mon. indicated thus ■

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.

Palma F. Wine 5-1-70
County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Thomas L. Harrah 5-1-70
Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Sherman S. O'Neill 4-30-70
Director Date

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

* and other municipal utilities

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County.

The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 10 folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR <i>Whitman, Reardon & Assoc.</i> Reg. No. 1974 2 W. Preston St., Baltimore, Md., 21201	PROFESSIONAL ENGINEER <i>Whitman, Reardon & Assoc.</i> Reg. No. 1974 2 W. Preston St., Baltimore, Md., 21201	OWNER <i>Thomas A. Garland</i> The Howard Research and Development Corporation Columbia, Md., 21043
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RECORDED IN PLAT BOOK 18 FOLIO 46
on May 1, 1970 among The
Land Records of Howard County, Maryland.

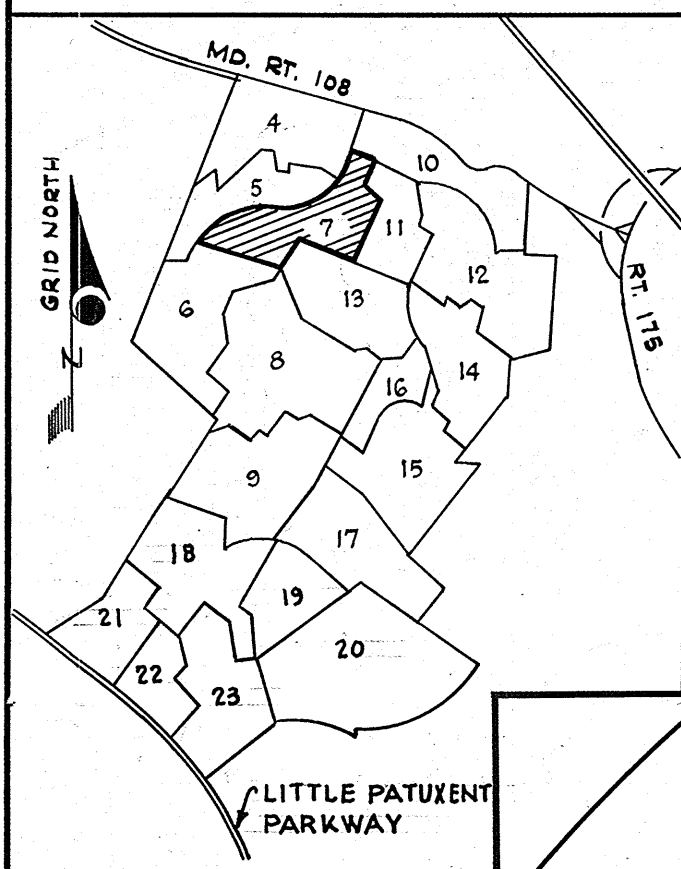
COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 6 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970

CURVE DATA						
NOS.	RADIUS	Δ	ARC.	TAN.	CHORD	L.C.B.
521-171	770.00'	69°22'56"	982.43'	533.00'	876.49'	N67°21'07"E
172-173	580.00'	38°32'50"	390.21'	202.81'	382.89'	S82°46'00"W
2205-2206	336.12'	37°04'10"	217.46'	112.69'	213.69'	S44°57'40"W
175-176	2500'	90°00'00"	39.27'	25.00'	35.36'	N7°25'35"E
177-178	2500'	90°00'00"	39.27'	25.00'	35.36'	N18°34'25"W
181-182	2500'	90°00'00"	39.27'	25.00'	35.36'	N71°25'38"E

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM



VICINITY MAP
Scale 1" = 2,000'

TOTALS	ACREAGE
All lots	= 14.140
R.O.W.	= 0.919
Open Space	= 14.062
Total	= 29.121
Lots this plat (incl. open space)	= 4
Open Space Lots	= 2

Note:

- This plat is based on boundary survey data prepared by Purdum & Jeschke, Engineer, Ellicott City, Md.
- 4" x 4" x 3/16" Conc. Mon. indicated thus ■.

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmer E. Wine 5-1-70
 County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas G. Harris 5-1-70
 Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Herman S. O'Neill 4-30-70
 Director Date

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

and other municipal utilities
 The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *Whitman, Reardon & Assoc.* 1974 Reg. No. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER (By) *Whitman, Reardon & Assoc.* 1974 Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER (By) *Thomas A. Carland* The Howard Research and Development Corporation Auth. Agent Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 47
 on May 1, 1970 among The Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

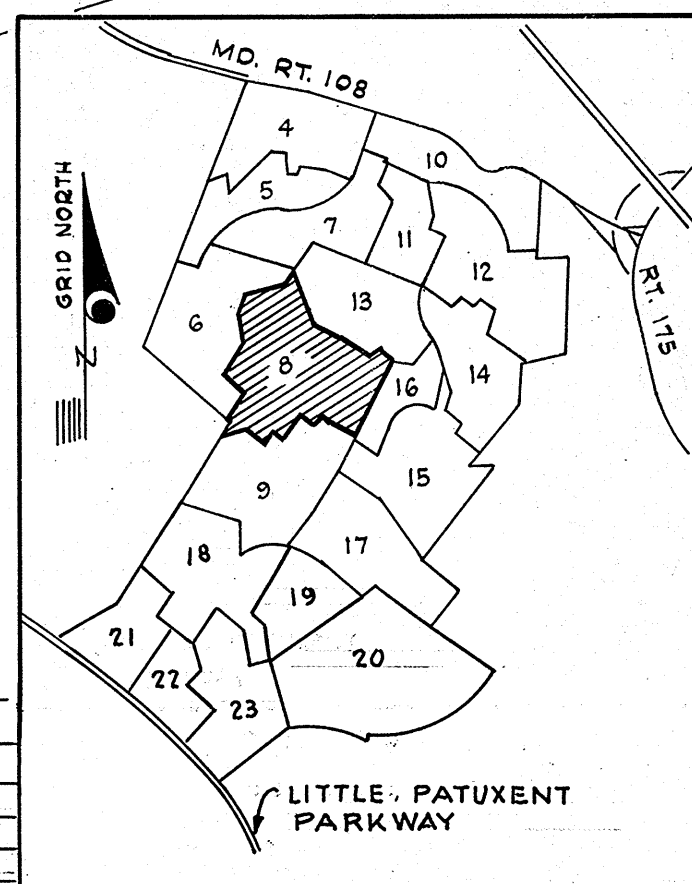
SECTION 1
 AREA 1
 Sheet 7 of 23
 6TH Election District of Howard County, Md.
 Scale: 1" = 100' Date: February 20, 1970

COLUMBIA

VILLAGE OF LONGREACH
SECTION 1 AREA 1
SHEET 13 OF 23
ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

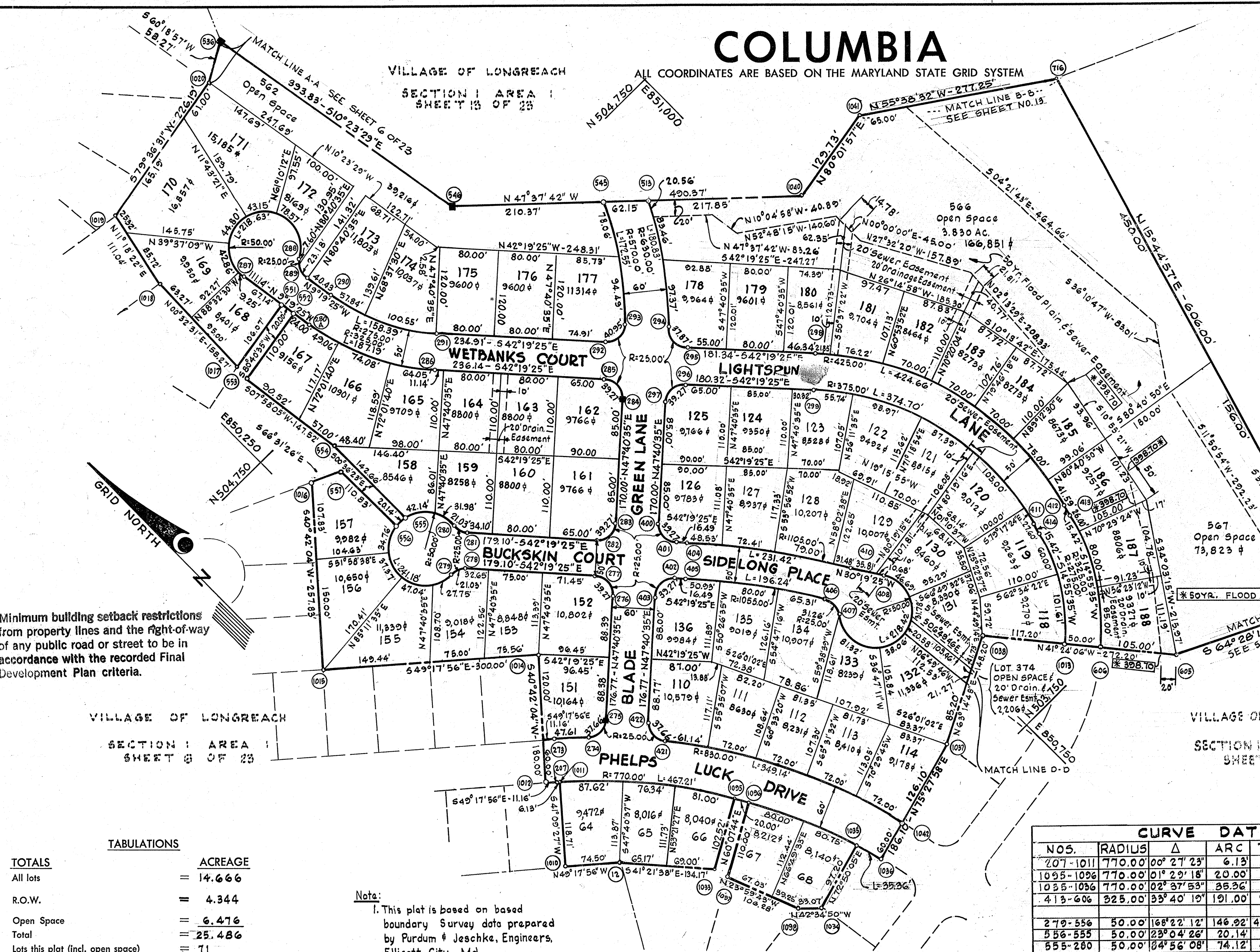
CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN.	CHORD	L.C.B.
273-274	830.00'	3°17'13"	47.62'	23.81'	47.61'	647°39'21"E
274-275	25.00'	86°18'42"	37.66'	23.44'	34.20'	689°10'04"E
276-277	25.00'	90°00'00"	39.27'	25.00'	35.36'	502°40'35"W
278-279	25.00'	48°11'23"	21.03'	11.18'	20.41'	N66°25'05"W
279-280	50.00'	27°22'46"	24.18'	11.18'	20.41'	S18°13'43"E
280-281	25.00'	48°11'23"	21.03'	11.18'	20.41'	S87°19'25"E
282-283	25.00'	90°00'00"	39.27'	25.00'	35.36'	N02°40'35"E
284-285	25.00'	90°00'00"	39.27'	25.00'	35.36'	N02°40'35"E
286-280A	325.00'	93°00'00"	187.19'	96.27'	184.61'	N25°49'25"W
287-288	50.00'	25°31'44"	218.63'	111.18'	218.63'	N25°56'28"E
288-289	25.00'	70°31'44"	30.77'	17.68'	28.87'	S25°49'25"E
290-291	275.00'	33°51'13"	40.95'	26.74'	36.52'	S89°15'01"E
292-293	25.00'	93°51'13"	40.95'	26.74'	36.52'	S89°15'01"E
293-294	570.00'	17°20'47"	172.55'	86.95'	171.91'	N35°08'50"E
513-545	630.00'	16°26'46"	180.83'	91.04'	180.21'	S36°14'52"W
294-295	25.00'	86°47'39"	37.87'	23.64'	34.35'	N01°04'25"E
298-412	425.00'	57°15'00"	424.66'	231.96'	407.21'	N13°41'55"W
1013-414	275.00'	57°15'00"	374.70'	204.67'	359.31'	N13°41'55"W
411-299	375.00'	90°00'00"	39.27'	25.00'	35.36'	N87°19'25"W
296-297	25.00'	90°00'00"	39.27'	25.00'	35.36'	S02°40'35"W
400-401	25.00'	90°00'00"	39.27'	25.00'	35.36'	S02°40'35"W
404-410	1105.00'	11°59'58"	231.42'	116.13'	231.00'	S36°19'12"E
408-407	50.00'	25°31'44"	218.63'	111.18'	218.63'	N04°09'19"E
407-406	25.00'	71°38'30"	31.26'	18.04'	29.26'	N36°59'26"W
406-405	1055.00'	10°39'27"	196.24'	98.40'	195.96'	N87°19'25"W
402-403	25.00'	90°00'00"	39.27'	25.00'	35.36'	N87°19'25"W
422-421	25.00'	86°18'42"	37.66'	23.44'	34.20'	S04°31'14"W
421-1042	830.00'	24°06'06"	349.14'	177.19'	346.57'	S26°35'05"E
207-1036	770.00'	34°45'54"	467.21'	241.05'	460.07'	N31°54'58"W

VILLAGE OF LONGREACH
SECTION 1 AREA 1
SHEET 15 OF 23



VICINITY MAP
Scale 1" = 200'

CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN.	CHORD	L.C.B.
207-1011	770.00'	00°27'23"	6.13'	3.06'	6.13'	S49°04'34"E
1095-1096	770.00'	01°29'18"	20.00'	10.00'	20.00'	S20°52'16"E
1035-1036	770.00'	02°37'53"	35.36'	17.68'	35.36'	S15°50'58"E
413-606	325.00'	33°40'10"	191.00'	98.35'	188.26'	S31°43'44"W
279-556	50.00'	168°22'12"	146.02'	490.96'	99.48'	N06°19'42"W
356-555	50.00'	23°04'26"	20.14'	10.21'	20.00'	N89°23'37"E
555-280	50.00'	84°56'08"	74.12'	45.76'	67.52'	S48°20'02"E



Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

VILLAGE OF LONGREACH
SECTION 1 AREA 1
SHEET 8 OF 23

VILLAGE OF LONGREACH
SECTION 1 AREA 1
SHEET 9 OF 23

TOTALS	ACREAGE
All lots	= 14.666
R.O.W.	= 4.344
Open Space	= 6.476
Total	= 25.486
Lots this plat (incl. open space)	= 71
Open Space Lots	= 4

Note:
1. This plat is based on based boundary Survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
2. 4" x 4" Conc. Mon. indicated thus.

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmer & Wine 5-1-70
County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Haring 5-1-70
Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Kerman S. O'Neill 4-30-70
Director Date

*and other municipal utilities

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains, and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County.

The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR
(By) *Kenneth A. M. [Signature]* 1974
Whitman, Reardon & Assoc. Reg. No. [Blank]
2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER
(By) *Kenneth A. M. [Signature]* 1974
Whitman, Reardon & Assoc. Reg. No. [Blank]
2 W. Preston St., Baltimore, Md., 21201

OWNER
(By) *Thomas A. Coveland*
The Howard Research and Development Corporation Auth. Agent
Columbia, Md., 21043

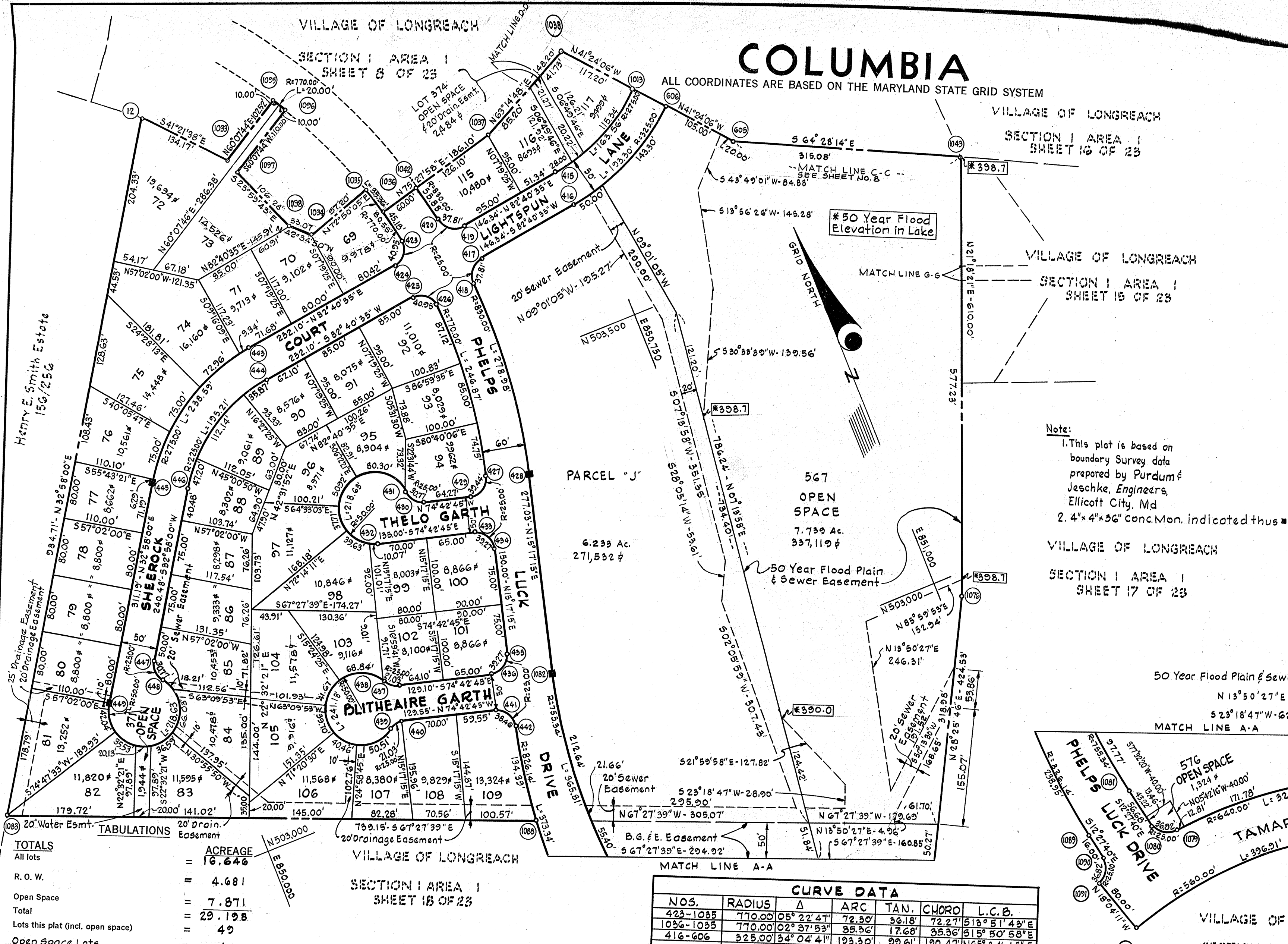
RECORDED IN PLAT BOOK 19 FOLIO 48
on May 1, 1970 among The
Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 8 of 23
67th Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970.

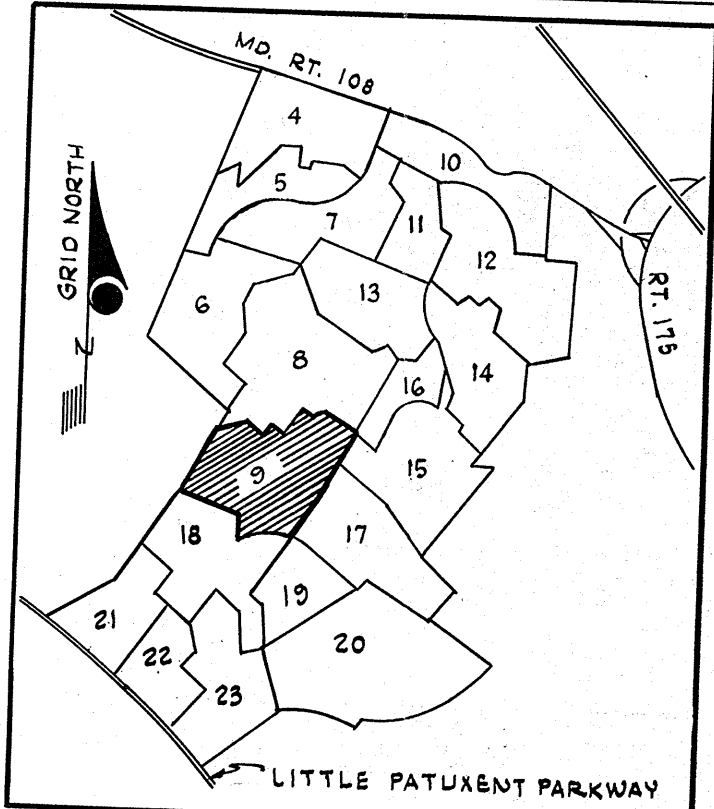
COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM



NOS.	RADIUS	Δ	ARC	TAN.	CHORD	L.C.B.
1013-415	275.00'					
419-420	25.00'	86° 38' 46"	37.81'	23.58'	34.31'	S 54° 00' 03" E
420-1042	830.00'	03° 51' 28"	55.88'	27.95'	55.07'	S 12° 36' 14" E
1036-423	770.00'	03° 21' 43"	45.18'	22.60'	45.18'	N 12° 51' 10" W
423-424	25.00'	93° 50' 54"	40.95'	26.74'	36.52'	N 35° 45' 08" E
442-445	275.00'	49° 42' 35"	228.59'	127.39'	231.18'	N 57° 49' 17" E
444-448	50.00'	250° 31' 44"	218.63'			
448-447	25.00'	70° 31' 44"	30.77'	17.68'	28.87'	S 02° 17' 52" E
446-444	225.00'	49° 42' 35"	195.21'	104.23'	189.14'	S 57° 49' 17" W
425-426	25.00'	93° 50' 54"	40.95'	26.74'	36.52'	N 50° 29' 58" W
426-427	770.00'	18° 22' 11"	246.87'	124.50'	245.82'	N 08° 42' 34" E
427-429	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	N 29° 42' 45" W
430-431	25.00'	70° 31' 44"	30.77'	17.68'	28.87'	S 59° 26' 55" E
431-432	50.00'	250° 31' 44"	218.63'			
432-434	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	N 29° 42' 45" W
435-436	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	N 60° 17' 15" E
437-438	25.00'	48° 11' 23"	21.09'	11.18'	20.41'	S 50° 37' 05" E
438-439	50.00'	270° 22' 46"	241.18'			
439-440	25.00'	48° 11' 23"	21.09'	11.18'	20.41'	S 81° 11' 39" W
441-442	25.00'	88° 08' 38"	38.46'	24.20'	34.78'	N 90° 38' 26" W
442-1089	826.14'	25° 53' 33"	373.34'	189.91'	370.17'	S 00° 29' 06" W
1081-1082	755.34'	27° 44' 55"	365.81'	186.57'	362.25'	S 01° 24' 48" W
428-418	890.00'	19° 16' 31"	278.98'	140.81'	277.67'	S 05° 39' 30" W
418-417	25.00'	86° 38' 51"	37.81'	23.58'	34.31'	S 39° 21' 10" W
1091-1090	25.00'	84° 23' 21"	36.82'	22.66'	33.58'	N 29° 44' 02" E
1092-1093	560.00'	40° 36' 33"	396.91'	207.20'	388.65'	N 87° 45' 55" W
1078-1079	640.00'	29° 28' 28"	328.00'	167.85'	324.71'	S 82° 09' 23" E
1079-1080	25.00'	84° 23' 21"	36.82'	22.66'	33.58'	S 54° 39' 25" E
1095-1096	770.00'	01° 29' 18"	20.00'	10.00'	20.00'	S 29° 52' 16" E

Note:
 1. This plat is based on boundary Survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
 2. 4" x 4" x 56" conc. Mon. indicated thus ■.



NOS.	RADIUS	Δ	ARC	TAN.	CHORD	L.C.B.
423-1035	770.00'	05° 22' 47"	72.30'	36.18'	72.27'	S 13° 51' 43" E
1036-1035	770.00'	02° 37' 53"	35.36'	17.68'	35.36'	S 15° 50' 58" E
416-606	325.00'	34° 04' 41"	193.30'	99.61'	190.47'	N 65° 34' 18" E
442-1088	826.14'	09° 19' 13"	134.39'	67.34'	134.24'	S 08° 46' 16" W
1088-1089	826.14'	16° 34' 19"	238.95'	120.31'	238.12'	S 04° 10' 30" E

TOTALS	ACREAGE
All lots	16.646
R. O. W.	4.681
Open Space	7.871
Total	29.198
Lots this plat (incl. open space)	49
Open Space Lots	4

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Palma F. Wins 5-1-70
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas L. Harris, Jr. 5-1-70
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Norman S. O'Neill 4-30-70
 DIRECTOR DATE

*and other municipal utilities

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR
 (By) *Whitman, Requardt & Assoc.*
 2 W. Preston St., Baltimore

PROFESSIONAL ENGINEER
 (By) *Whitman, Requardt & Assoc.* Reg. No. 1974
 2 W. Preston St., Baltimore Md., 21201

OWNER
 (By) *Thomas A. Carloud*
 The Howard Research and Development Corporation
 Columbia, Md., 21043 Auth. Agent

**and in and through the specified easement areas shown hereon;

RECORDED IN PLAT BOOK 138 FOLIO 49
 on May 1, 1970 among The
 Land Records of Howard County, Maryland.

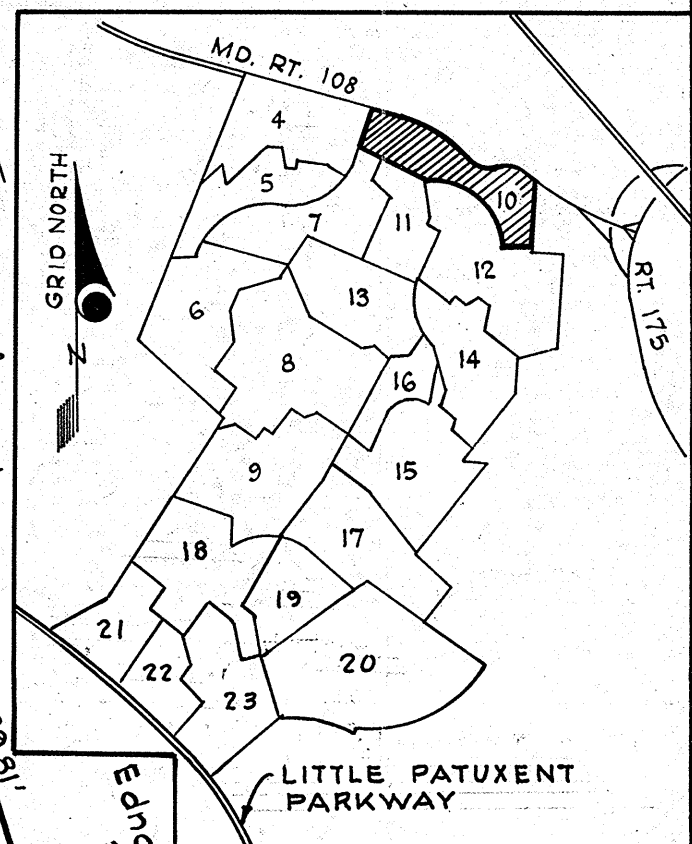
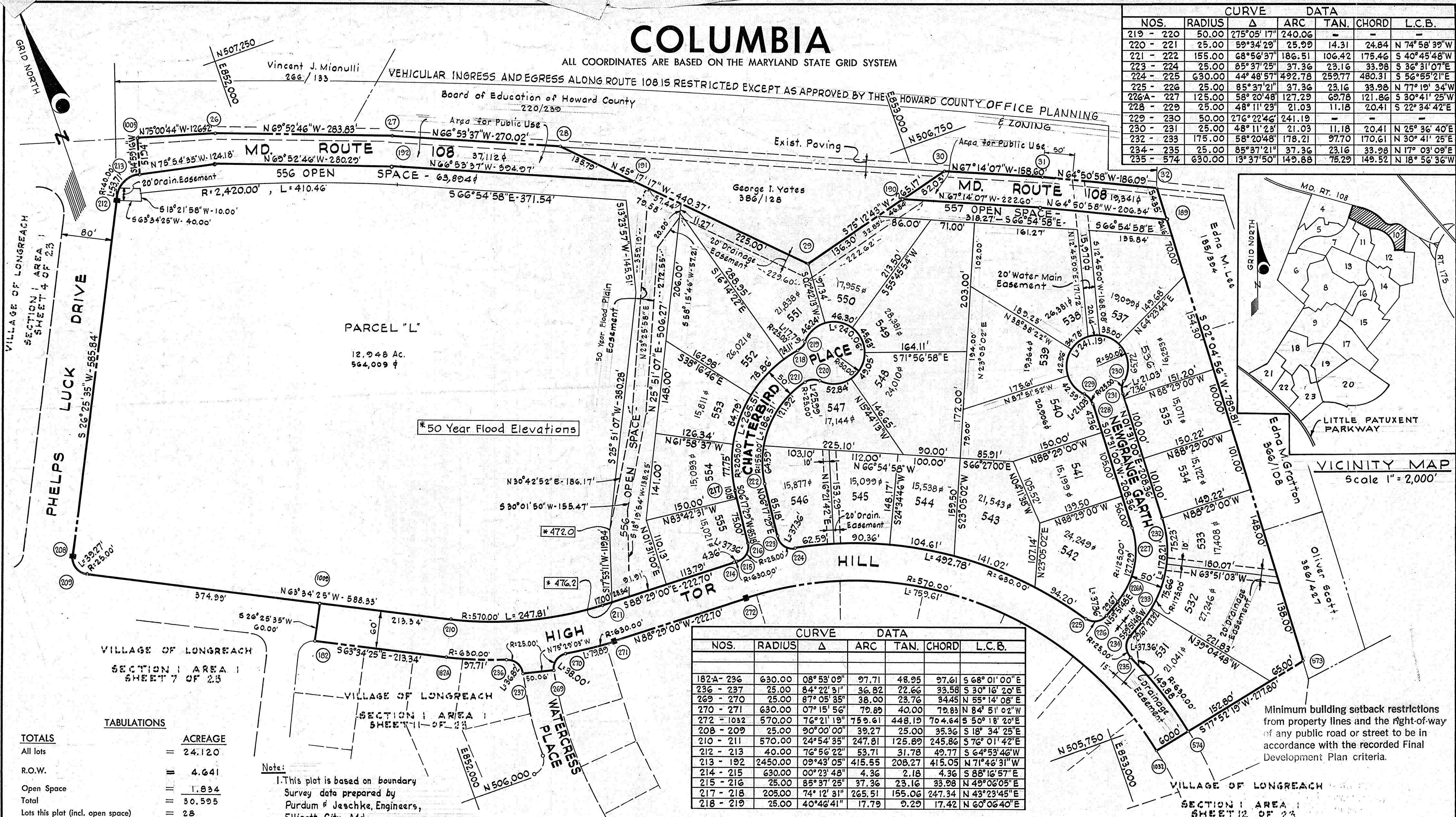
COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
 AREA 1
 Sheet 9 of 23
 6TH Election District of Howard County, Md.
 Scale: 1" = 100' Date: February 20, 1970

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN.	CHORD	L.C.B.
219 - 220	50.00	275°05'17"	240.06	-	-	-
220 - 221	25.00	59°34'29"	25.99	14.31	24.84	N 74°58'39"W
221 - 222	155.00	68°56'37"	186.51	106.42	175.46	S 40°45'48"W
222 - 223	25.00	85°37'25"	37.36	23.16	33.98	S 36°31'07"E
223 - 224	630.00	44°48'57"	492.78	259.77	480.31	S 56°55'21"E
224 - 225	25.00	85°37'25"	37.36	23.16	33.98	N 77°19'34"W
225 - 226	25.00	85°37'25"	37.36	23.16	33.98	S 30°41'25"W
226A - 227	125.00	58°20'48"	127.29	69.78	121.86	S 30°41'25"W
227 - 228	25.00	48°11'23"	21.03	11.18	20.41	S 22°34'42"E
228 - 229	25.00	48°11'23"	21.03	11.18	20.41	S 22°34'42"E
229 - 230	50.00	276°22'46"	241.19	-	-	-
230 - 231	25.00	48°11'23"	21.03	11.18	20.41	N 25°36'40"E
231 - 232	175.00	58°20'48"	178.21	97.70	170.61	N 30°41'25"E
232 - 233	25.00	58°20'48"	37.36	23.16	33.98	N 17°09'09"E
233 - 234	25.00	13°37'50"	149.88	75.29	149.52	N 18°56'36"W
234 - 235	630.00	13°37'50"	492.78	259.77	480.31	N 18°56'36"W



CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN.	CHORD	L.C.B.
182A - 236	630.00	08°53'09"	97.71	48.25	97.61	S 68°01'00"E
236 - 237	25.00	84°22'31"	36.82	22.66	33.58	S 30°16'20"E
237 - 270	25.00	87°05'35"	38.00	23.76	34.45	N 55°14'08"E
270 - 271	630.00	07°15'56"	79.89	40.00	79.88	N 84°51'02"W
271 - 1032	570.00	76°21'19"	759.61	448.19	704.64	S 50°18'20"E
208 - 209	25.00	90°00'00"	39.27	25.00	35.36	S 18°34'25"E
210 - 211	570.00	24°54'35"	247.81	125.89	245.86	S 76°01'42"E
212 - 213	40.00	76°56'22"	53.71	31.78	49.77	S 64°53'46"W
213 - 192	2450.00	09°43'05"	415.55	208.27	415.05	N 71°46'31"W
214 - 215	630.00	00°23'48"	4.36	2.18	4.36	S 88°16'57"E
215 - 216	25.00	85°37'25"	37.36	23.16	33.98	N 49°06'05"E
217 - 218	205.00	74°12'31"	265.51	155.06	247.34	N 43°23'45"E
218 - 219	25.00	40°46'41"	17.79	9.29	17.42	N 60°06'40"E

TOTALS

	ACREAGE
All lots	= 24.120
R.O.W.	= 4.641
Open Space	= 1.834
Total	= 30.595
Lots this plat (incl. open space)	= 28
Open Space Lots	= 2

Note:
 1. This plat is based on boundary survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
 2. 4" x 36" Conc. Mon. indicated thus ■

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmer E. Wind 5-1-70
 County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Harris Jr. 5-1-70
 Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Norman S. O'Neil 4-30-70
 Director Date

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

and other municipal utilities

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR
 (By) *Kenneth A. Whitman* 1974
 Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER
 (By) *Kenneth A. Whitman* 1974
 Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER
 (By) *Thomas A. Garland*
 The Howard Research and Development Corporation Auth. Agent
 Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 50
 on May 1, 1970 among The
 Land Records of Howard County, Maryland.

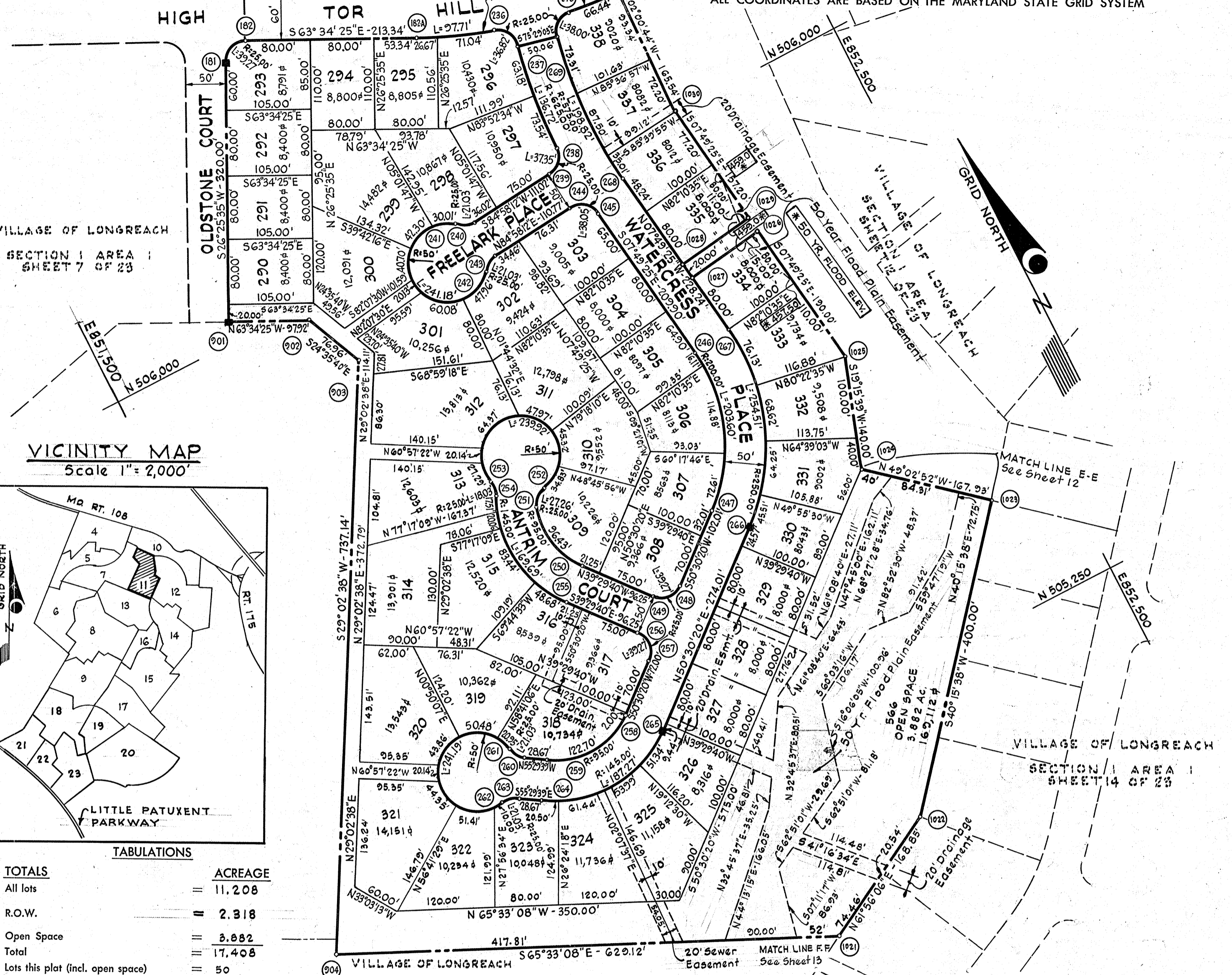
COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
 AREA 1
 Sheet 10 of 23
 6th Election District of Howard County, Md.
 Scale: 1" = 100' Date: February 20, 1970

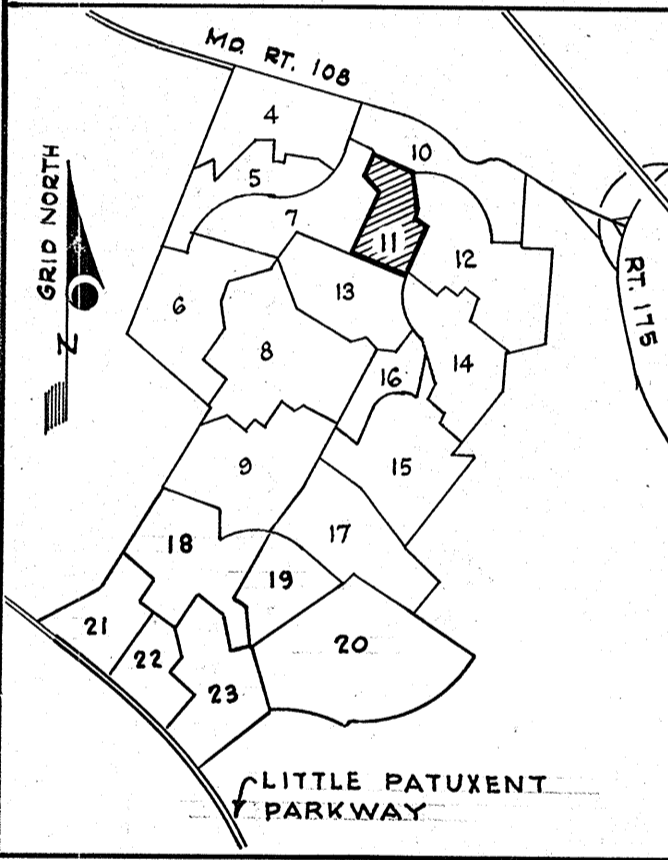
COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN	CHORD	L.C.B.
181 - 182	25.00	90°00'00"	39.27	25.00	35.36	N 71°25'35"E
182A - 236	630.00	08°53'09"	97.71	48.95	97.61	S 68°01'00"E
236 - 237	25.00	84°22'22"	36.82	22.66	33.58	S 30°16'16"E
237 - 238	625.00	12°32'02"	136.72	68.64	136.45	S 05°38'56"W
238 - 239	25.00	85°35'18"	37.35	23.15	33.97	S 42°10'34"W
240 - 241	25.00	48°11'23"	21.09	11.18	20.41	N 70°56'12"W
241 - 242	50.00	276°22'46"	241.18	-	-	-
242 - 243	25.00	48°11'23"	21.03	11.18	20.41	N 60°52'19"E
244 - 245	25.00	87°12'22"	38.05	23.81	34.48	S 51°25'39"E
246 - 247	200.00	58°19'45"	203.60	111.61	194.93	S 21°20'28"W
248 - 249	25.00	90°00'00"	39.27	25.00	35.36	N 84°29'40"W
250 - 251	95.00	58°09'27"	96.43	52.83	92.34	S 10°24'56"E
251 - 252	25.00	62°28'50"	27.26	15.17	25.93	N 49°54'14"E
252 - 253	50.00	274°55'01"	239.92	-	-	-
253 - 254	25.00	41°19'48"	18.03	9.43	17.65	N 06°53'40"E
254 - 255	145.00	67°03'14"	169.69	96.07	160.18	N 05°58'03"W
256 - 257	25.00	90°00'00"	39.27	25.00	35.36	N 05°30'20"E
258 - 259	95.00	74°00'00"	122.70	71.59	114.35	S 87°30'21"W
260 - 261	25.00	48°11'23"	21.03	11.18	20.41	S 31°24'00"E
261 - 262	50.00	276°22'46"	241.19	-	-	-
262 - 263	25.00	48°11'23"	21.09	11.18	20.41	S 79°35'19"E
264 - 265	145.00	74°00'00"	187.27	109.27	174.53	N 87°30'21"E
266 - 267	250.00	58°19'45"	254.51	139.52	243.66	N 21°20'28"E
268 - 269	575.00	19°30'46"	198.82	98.87	194.88	N 01°55'58"E
269 - 270	25.00	87°05'35"	38.00	23.76	34.45	N 55°14'08"E
270 - 1031	630.00	06°02'31"	66.43	33.25	66.40	S 84°14'20"E



VICINITY MAP
Scale 1" = 2,000'



TABULATIONS

	ACREAGE
TOTALS	
All lots	= 11.208
R.O.W.	= 2.318
Open Space	= 3.882
Total	= 17.408
Lots this plat (incl. open space)	= 50
Open Space Lots	= 1

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

Note:
 1. This plat is based on boundary survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
 2. 4" x 36" Conc. Mon. indicated thus ■.

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmy F. Wine 5-1-70
 County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Harris 5-1-70
 Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Thomas S. O'Neill 4-30-70
 Director Date

SECTION I AREA I SHEET 13 OF 23

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

*and other municipal utilities
 The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains, and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR
 (By) *Timothy P. Meloch* 1974
 Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER
 (By) *Timothy P. Meloch* 1974
 Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER
 (By) *Thomas A. Garland*
 The Howard Research and Development Corporation Auth. Agent
 Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 51
 on May 1, 1970 among The
 Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
 AREA 1
 Sheet 11 of 23
 6TH Election District of Howard County, Md.
 Scale: 1" = 100' Date: February 20, 1970

COLUMBIA

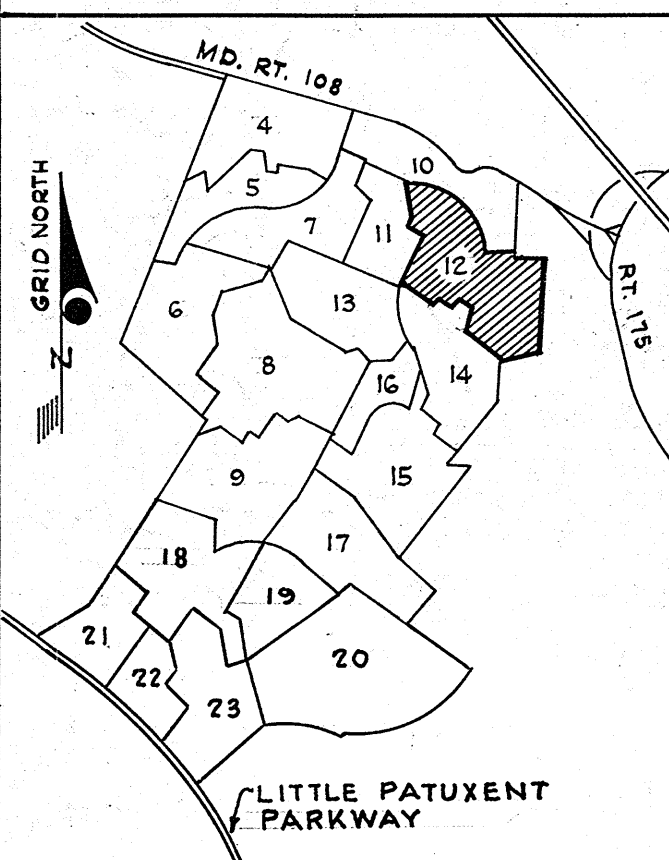
ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

Note
1. This plat is based on boundary survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
2. 4" x 36" Conc. Mon. indicated thus ■

NOS.	RADIUS	Δ	ARC.	TAN.	CHORD	L.C.D.
489-490	225.00'	15° 27' 47"	60.72'	30.55'	60.54'	N 47° 59' 34" E
490-491	25.00'	78° 27' 49"	34.24'	20.41'	31.62'	N 16° 29' 30" E
492-493	275.00'	26° 17' 04"	126.16'	64.21'	125.05'	S 09° 35' 50" E
493-494	25.00'	42° 35' 54"	18.59'	9.75'	18.16'	S 17° 45' 13" E
494-387	50.00'	275° 43' 18"	240.61'	-	-	-
387-386	25.00'	55° 46' 16"	24.34'	13.23'	23.39'	N 28° 47' 00" E
386-385	225.00'	23° 38' 19"	92.83'	47.08'	92.17'	N 10° 55' 12" W
384-383	25.00'	78° 27' 39"	34.24'	20.41'	31.62'	S 61° 58' 14" E
382-381	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	S 46° 31' 00" W
380-272	570.00'	90° 00' 00"	895.35'	570.00'	806.10'	S 43° 29' 00" E
574-300	630.00'	13° 38' 41"	150.04'	75.37'	149.48'	S 05° 18' 20" E
301-302	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	S 43° 29' 00" E
303-304	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	N 46° 31' 00" E
305-306	25.00'	48° 11' 23"	21.03'	11.18'	20.41'	N 22° 34' 41" W
306-307	50.00'	276° 22' 46"	241.19'	-	-	-
307-308	25.00'	48° 11' 23"	21.03'	11.18'	20.41'	N 25° 36' 41" E
309-310	25.00'	48° 11' 23"	21.03'	11.18'	20.41'	S 22° 34' 41" E
310-311	50.00'	276° 22' 46"	241.19'	-	-	-
311-312	25.00'	48° 11' 23"	21.03'	11.18'	20.41'	N 25° 36' 41" E
313-314	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	N 43° 29' 00" W
315-316	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	S 46° 31' 00" W
317-1053	830.00'	26° 18' 57"	381.22'	194.03'	377.87'	S 14° 40' 28" W
1051-377	770.00'	26° 55' 51"	361.92'	184.37'	358.57'	S 14° 58' 55" W
372-371	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	S 43° 29' 00" E
378-379	175.00'	51° 15' 22"	156.55'	83.95'	151.38'	N 65° 53' 19" E
1031-271	630.00'	1° 13' 25"	13.45'	6.73'	13.45'	N 87° 52' 28" W
382-A-383	225.00'	12° 43' 00"	48.95'	25.07'	48.84'	S 88° 09' 30" W

VILLAGE OF LONGREACH
SECTION I AREA I
SHEET 10 OF 23

VICINITY MAP
Scale 1" = 2000'



TOTALS

All lots	=	23.083
R.O.W.	=	3.805
Open Space	=	2.194
Total	=	29.082
Lots this plat (incl. open space)	=	59
Open Space Lots	=	1

NOS.	RADIUS	Δ	ARC.	TAN.	CHORD	L.C.D.
377-1051	770.00'	26° 18' 57"	353.66'	180.00'	350.56'	S 14° 40' 28" W
1052-1051	770.00'	00° 36' 54"	8.26'	4.13'	8.26'	S 28° 08' 24" W
272-1052	570.00'	76° 21' 19"	759.61'	448.19'	704.64'	S 50° 18' 20" E
1032-380	570.00'	13° 38' 41"	135.74'	68.19'	135.42'	S 05° 18' 20" E

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmer F. Wine 5-1-70
County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Harris, Jr. 5-1-70
Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Norman S. O'Neill 4-30-70
Director Date

SURVEYOR'S, ENGINEER'S AND OWNER'S CERTIFICATES

and other municipal utilities
The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains, and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *Annist M. Meloch* 5-7-74
Whitman, Reardon & Assoc. Reg. No. 1974
2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER (By) *Annist M. Meloch* 5-7-74
Whitman, Reardon & Assoc. Reg. No. 1974
2 W. Preston St., Baltimore, Md., 21201

OWNER (By) *Thomas A. Garland*
The Howard Research and Development Corporation Auth. Agent
Columbia, Md., 21043

RECORDED IN PLAT BOOK 19 FOLIO 52
on May 1, 1970 among The
Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH
SECTION 1
AREA 1
Sheet 12 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970

F-70-68 C.

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

CURVE DATA						
NO.	RADIUS	Δ	ARC	TAN. CHORD	L.C.B.	
1068-1069	275.00'	04° 10' 14"	20.02'	10.01'	20.01'	N50°14'30"E

VILLAGE OF LONGREACH

SECTION 1 AREA 1
SHEET 7 OF 23

VILLAGE OF LONGREACH

SECTION 1 AREA 1
SHEET 11 OF 23

VILLAGE OF LONGREACH

SECTION 1 AREA 1
SHEET 14 OF 23

VILLAGE OF LONGREACH

SECTION 1 AREA 1
SHEET 8 OF 23

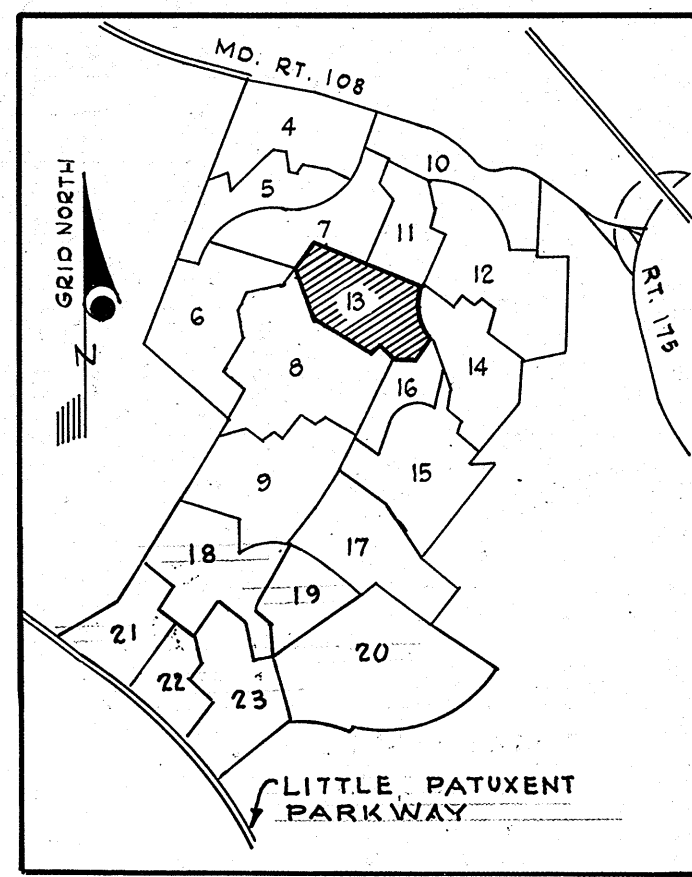
VILLAGE OF LONGREACH

SECTION 1 AREA 1
SHEET 10 OF 23

PARCEL "G"
17.347 AC.
755,643⁺

566
OPEN SPACE
6.275 AC.
273,330⁺

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.



VICINITY MAP

- Note:
- This plot is based on boundary Survey Scale: 1"=2000' data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
 - 4" x 4" x 36" Conc. Mon. indicated thus ■.

TOTALS	ACREAGE
All lots	17.347
R.O.W.	
Open Space	6.275
Total	23.622
Lots this plat (incl. open space)	2
Open Space Lots	1

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmer E. Wine 5-1-70
County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas G. Harigot 5-1-70
Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Herman S. O'Neill 4-30-70
Director Date

*and other municipal utilities

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *Kenneth M. Wood* 1974
Whitman, Reardon & Assoc. Reg. No. 2 W. Preston St., Baltimore Md., 21201

PROFESSIONAL ENGINEER (By) *Kenneth M. Wood* 1974
Whitman, Reardon & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md. 21201

OWNER (By) *Thomas A. Garland*
The Howard Research and Development Corporation Auth. Agent
Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 53
on May 1, 1970 among The Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 13 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970

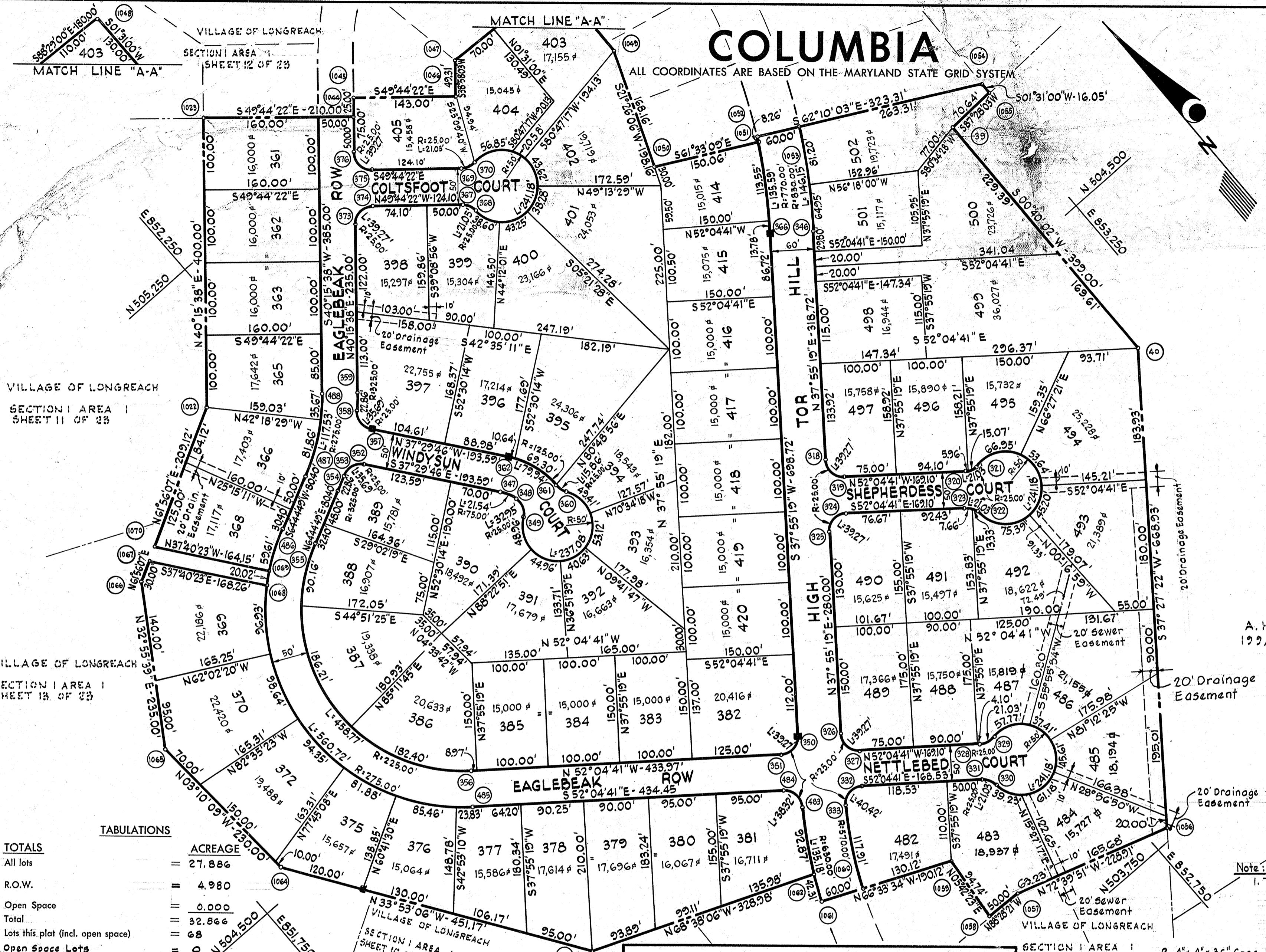
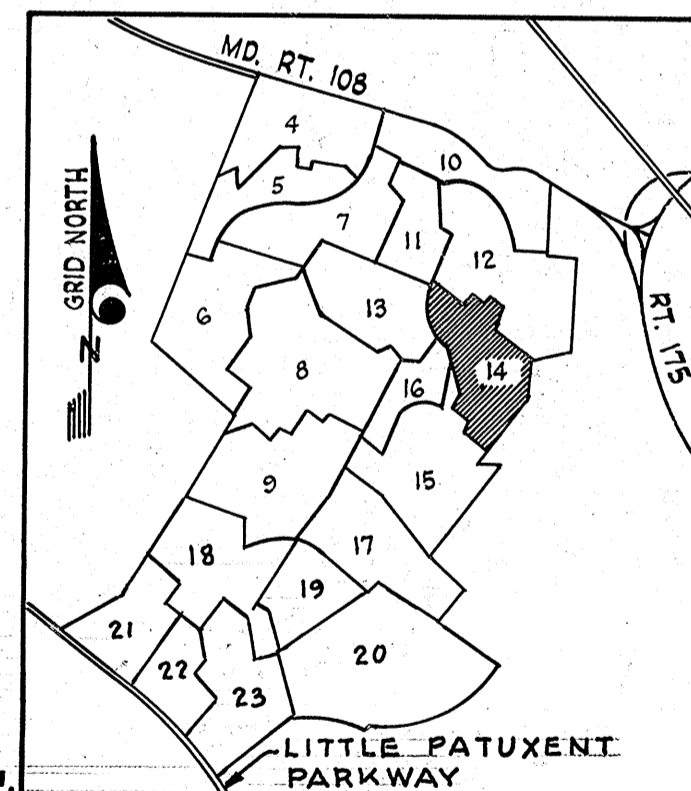
COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN	CHORD	L.C.B.
1053 - 346	830.00	10°05'22"	146.15	73.27	145.97	N 32° 52' 38" E
318 - 319	25.00	90°00'00"	39.27	25.00	35.36	N 07° 04' 41" W
320 - 321	25.00	48°11'23"	21.03	11.18	20.41	N 76° 10' 23" W
321 - 322	50.00	276°22'46"	241.18			
322 - 323	25.00	48°11'23"	21.03	11.18	20.41	S 27° 59' 00" E
324 - 325	25.00	90°00'00"	39.27	25.00	35.36	N 82° 55' 18" E
326 - 327	25.00	90°00'00"	39.27	25.00	35.36	N 07° 04' 41" W
328 - 329	25.00	48°11'23"	21.03	11.18	20.41	N 76° 10' 23" W
329 - 330	50.00	276°22'46"	241.18			
330 - 331	25.00	48°11'23"	21.03	11.18	20.41	S 27° 59' 00" E
332 - 333	25.00	92°37'44"	40.42	26.17	36.16	N 81° 36' 27" E
333 - 1060	570.00	11°51'09"	117.91	59.16	117.70	N 29° 22' 00" E
1061 - 483	630.00	12°17'39"	135.18	67.85	134.92	S 29° 35' 18" W
483 - 484	25.00	87°48'46"	38.32	24.06	34.67	S 08° 10' 18" E
485 - 486	275.00	116°49'29"	560.72	447.22	468.51	N 06° 20' 04" E
487 - 488	275.00	24°29'11"	117.53	59.67	116.63	S 52° 30' 32" W
376 - 375	25.00	90°00'00"	39.27	25.00	35.36	N 04° 44' 22" W
369 - 370	25.00	48°11'23"	21.03	11.18	20.41	N 73° 50' 03" W
370 - 368	50.00	276°22'46"	241.18			
368 - 367	25.00	48°11'23"	21.03	11.18	20.41	S 25° 38' 40" E
374 - 373	25.00	90°00'00"	39.27	25.00	35.36	N 85° 15' 38" E
359 - 358	325.00	04°45'48"	22.86	11.11	22.86	N 42° 16' 36" E
358 - 357	25.00	81°47'16"	35.69	21.65	32.73	N 03° 23' 49" W
362 - 361	125.00	36°38'28"	79.94	41.39	78.58	N 19° 10' 32" W
361 - 360	25.00	36°20'10"	15.86	8.20	15.59	N 19° 01' 23" W
360 - 349	50.00	271°40'31"	237.08			
349 - 348	25.00	75°31'21"	32.95	19.36	30.62	S 16° 43' 23" W
348 - 347	75.00	16°27'28"	21.54	10.85	21.47	S 29° 16' 02" E
352 - 353	25.00	81°47'16"	35.69	21.65	32.73	S 78° 23' 19" E
353 - 354	325.00	04°01'47"	22.86	11.11	22.85	N 62° 43' 54" E
355 - 356	225.00	116°49'29"	458.77	365.91	383.33	N 06° 20' 04" E
351 - 350	25.00	90°00'00"	39.27	25.00	35.36	S 78° 23' 19" W
366 - 1052	770.00	10°05'22"	135.59	67.97	135.42	S 32° 52' 38" W
483 - 1062	630.00	08°26'46"	92.87	46.52	92.79	S 31° 30' 42" W
1062 - 1061	630.00	08°50'53"	42.31	21.16	42.30	S 25° 21' 52" W
366 - 1051	770.00	02°28'28"	127.35	63.81	127.18	N 33° 11' 05" E
1051 - 1052	770.00	00°36'54"	8.26	4.13	8.26	N 28° 08' 24" E
485 - 1068	275.00	100°14'04"	481.09	329.10	422.05	N 01° 57' 39" W
1068 - 1069	275.00	04°10'14"	20.02	10.01	20.01	N 50° 14' 30" E
1069 - 486	275.00	12°25'12"	59.61	29.92	59.50	N 58° 32' 14" E

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

VICINITY MAP
Scale: 1" = 2,000'



TOTALS

All lots	=	27.886
R.O.W.	=	4.980
Open Space	=	0.000
Total	=	32.866
Lots this plat (incl. open space)	=	68
Open Space Lots	=	0

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmer F. Wine 5-1-70
 County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas L. Harris 5-1-70
 Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Norman S. Small 4-30-70
 Director Date

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

*and other municipal utilities

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains, and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR
 (By) *Kenneth P. Meloch* 1974
 Whitman, Reardon & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER
 (By) *Kenneth P. Meloch* 1974
 Whitman, Reardon & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER
 (By) *Thomas A. Garland*
 The Howard Research and Development Corporation Auth. Agent
 Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 54
 on May 1, 1970 among The
 Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
 AREA 1
 Sheet 14 of 23
 6th Election District of Howard County, Md.
 Scale: 1" = 100' Date: February 20, 1970

VILLAGE OF LONGREACH

SECTION I AREA I
SHEET 9 OF 23

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

VILLAGE OF LONGREACH

SECTION I AREA I
SHEET 16 OF 23

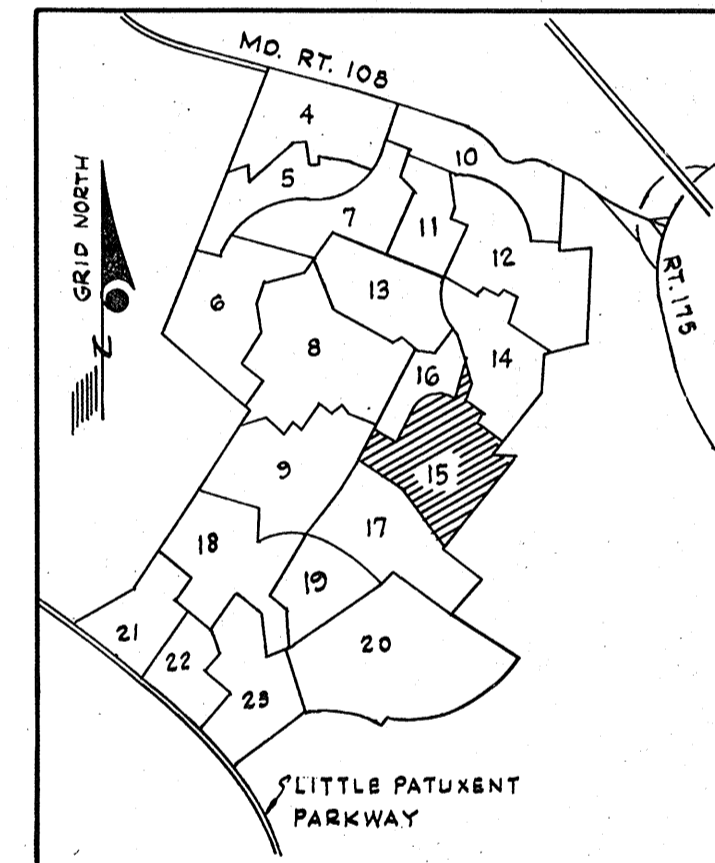
VILLAGE OF LONGREACH

SECTION I AREA I
SHEET 14 OF 23

VILLAGE OF LONGREACH

SECTION I AREA I
SHEET 17 OF 23

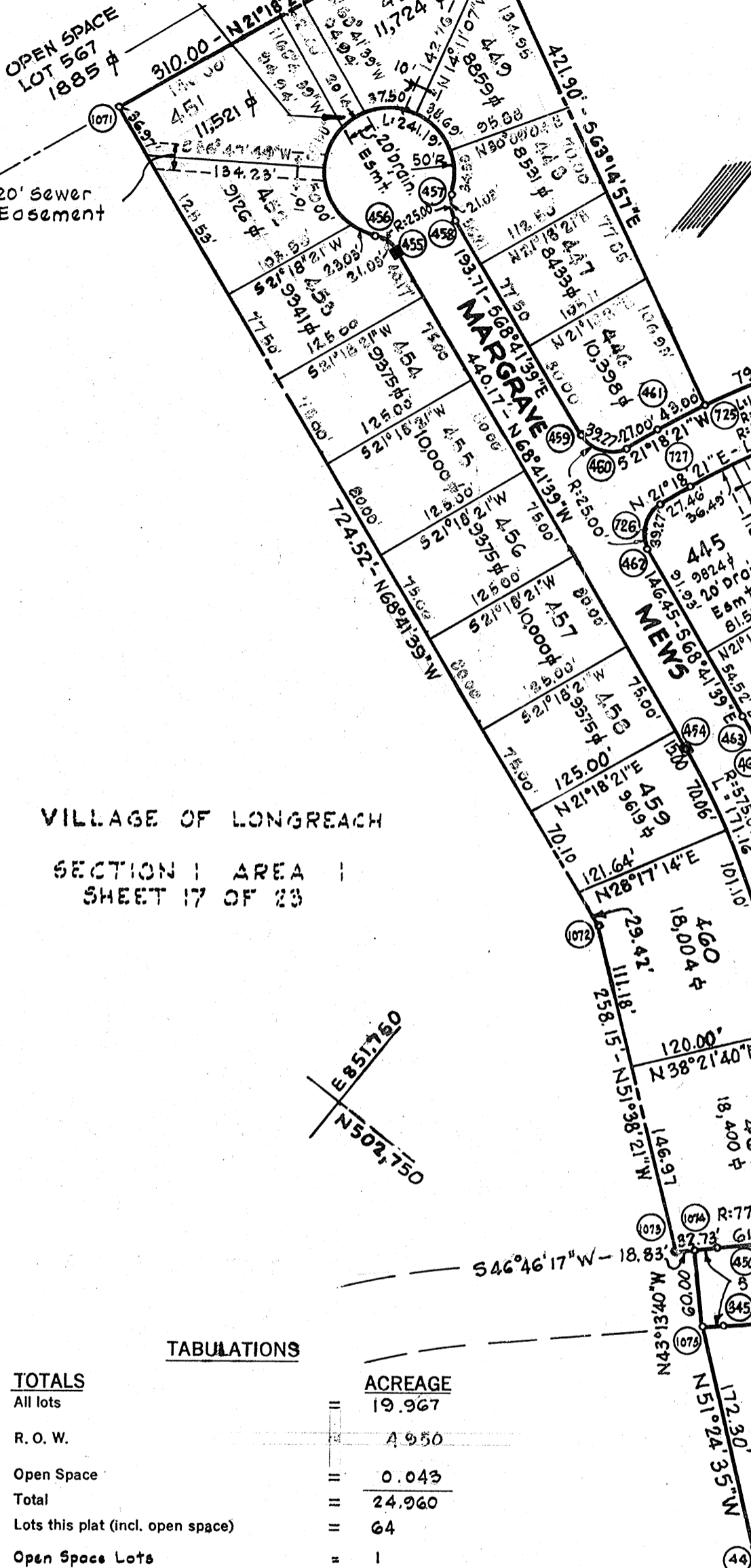
CURVE DATA						
NO.	RADIUS	Δ	ARC.	TAN.	CHORD	L.C.B.
1060-334	570.00'	21°54'47"	218.00'	110.41'	216.67'	612°29'03"W
335-336	25.00'	90°00'00"	39.27'	25.00'	35.36'	543°28'16"E
337-338	325.00'	37°03'42"	210.23'	108.94'	206.58'	569°56'15"E
365-339	50.00'	244°10'04"	213.08'			
339-340	25.00'	78°24'52"	34.22'	20.40'	31.61'	N 26°27'06"W
340-341	275.00'	22°48'47"	109.49'	55.48'	108.77'	N 77°03'59"W
342-343	25.00'	90°00'00"	39.27'	25.00'	35.36'	546°31'40"W
344-345	890.00'	45°14'38"	655.41'	349.87'	698.52'	5 24°08'58"W
450-451	770.00'	4°39'45"	61.31'	30.67'	61.30'	N 44°29'25"E
451-452	25.00'	93°50'55"	40.95'	26.74'	36.52'	N 04°42'53"W
453-454	575.00'	17°03'18"	171.16'	86.22'	170.53'	N 60°10'01"W
455-456	25.00'	48°11'24"	21.03'	11.18'	20.41'	N 81°12'39"E
456-457	50.00'	276°22'46"	241.19'			
457-458	25.00'	48°11'24"	21.03'	11.18'	20.41'	5 44°35'56"E
459-460	25.00'	90°00'00"	39.27'	25.00'	35.36'	N 66°18'25"E
461-724	625.00'	11°05'28"	121.71'	61.05'	121.52'	5 26°53'04"W
723-722	325.00'	59°03'51"	335.03'	184.12'	320.39'	N 61°59'43"E
480-481	25.00'	90°00'00"	39.27'	25.00'	35.36'	N 46°31'44"E
482-1061	630.00'	21°54'47"	240.95'	121.96'	239.48'	N 12°29'08"E
477-476	25.00'	90°00'00"	39.27'	25.00'	35.36'	N 43°28'24"W
475-474	770.00'	32°59'04"	443.28'	227.97'	437.18'	N 18°01'14"E
474-473	25.00'	93°50'54"	40.95'	26.74'	36.52'	N 81°22'13"E
472-471	625.00'	5°39'43"	61.76'	30.17'	61.74'	5 54°28'13"E
471-470	25.00'	85°35'13"	37.35'	23.14'	33.97'	5 14°31'25"E
469-468	25.00'	48°11'24"	21.03'	11.18'	20.41'	5 52°22'56"W
468-467	50.00'	276°22'46"	241.19'			
467-466	25.00'	48°11'24"	21.03'	11.18'	20.41'	N 04°11'30"E
465-464	25.00'	85°35'15"	37.35'	23.14'	33.96'	N 71°04'54"E
464-463	625.00'	2°34'11"	28.03'	14.01'	28.03'	5 67°24'41"E
462-726	25.00'	90°00'00"	39.27'	25.00'	35.36'	5 23°41'35"E
727-728	575.00'	11°09'27"	111.97'	56.16'	111.80'	5 26°53'04"W
729-478	275.00'	59°03'51"	283.49'	155.79'	271.10'	5 61°59'44"W
482-1062	630.00'	21°54'40"	283.26'	144.06'	280.88'	N 14°24'29"E
1061-1062	630.00'	05°50'55"	42.31'	21.16'	42.30'	5 28°21'52"W
724-725	625.00'	07°15'29"	79.17'	39.64'	79.12'	5 28°50'04"W
725-461	625.00'	05°53'58"	42.54'	21.28'	42.53'	5 23°15'20"W



VICINITY MAP
Scale: 1" = 2,000'

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

Note:
1. This plat is based on boundary survey data prepared by Purdum & Jeschke, Engineer, Ellicott City, Md.
2. 4" x 4" x 3/16" conc. Mon. indicated thus on plan.



TABULATIONS

	ACREAGE
All lots	19.967
R. O. W.	4.950
Open Space	0.043
Total	24.960
Lots this plat (incl. open space)	64
Open Space Lots	1

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

Palmer F. Wine 5-1-70
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas L. Harvath 5-1-70
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Thomas S. Orell 4-30-70
DIRECTOR DATE

* and other municipal utilities

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 Folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *Annita A. Meloch* 1974
Whitman, Reardon & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER (By) *Annita A. Meloch* 1974
Whitman, Reardon & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER (By) *Thomas A. Garland*
The Howard Research and Development Corporation
Columbia, Md., 21043 Auth. Agent

RECORDED IN PLAT BOOK 18 FOLIO 55
on May 1, 1970 among The
Land Records of Howard County, Maryland.

COLUMBIA VILLAGE OF LONGREACH

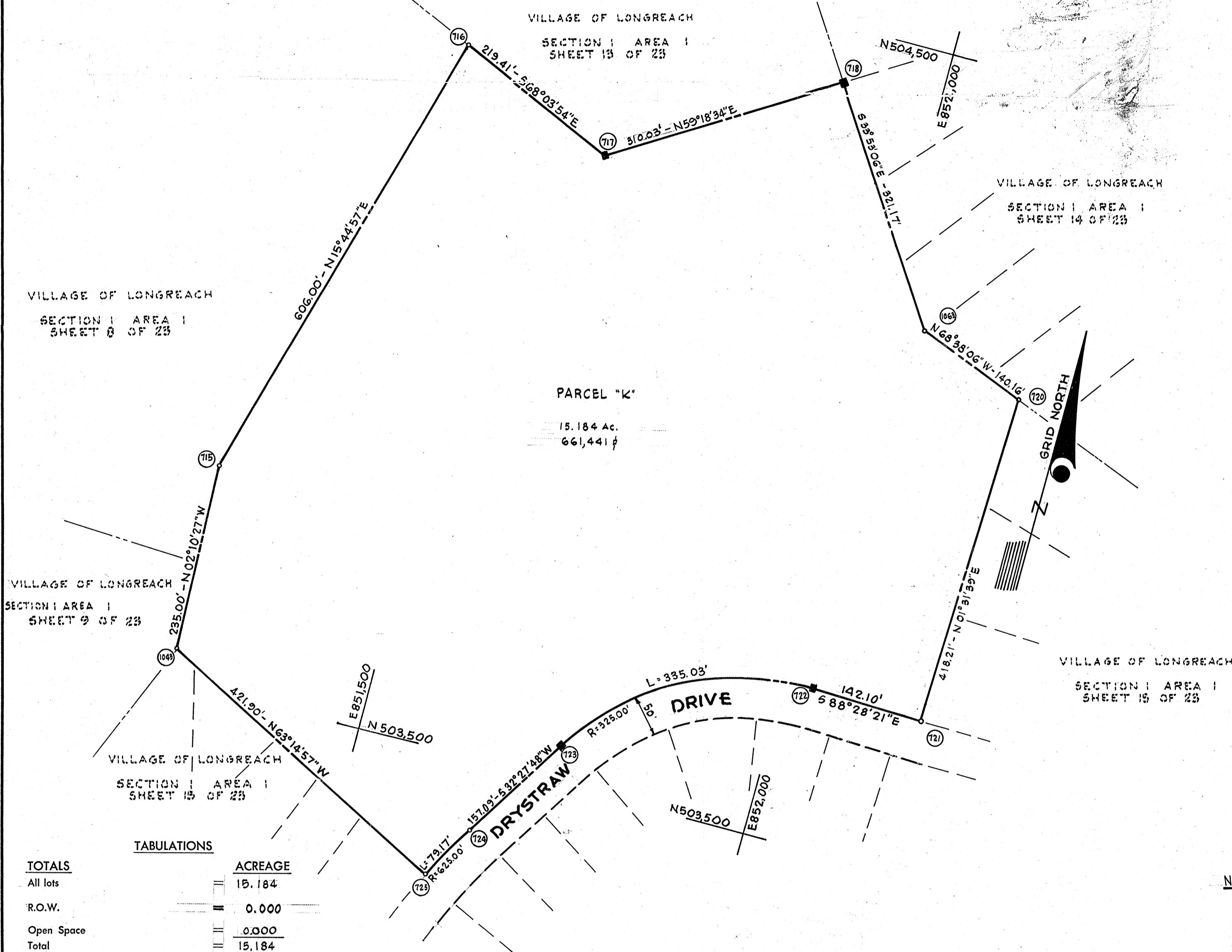
SECTION 1
AREA 1
Sheet 15 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970

CURVE DATA

NOS.	RADIUS	Δ	ARC.	TAN.	CHORD	L.C.B.
725 - 724	625.00'	7°15'29"	79.17'	39.64'	79.12'	S28°50'04"W
723 - 722	325.00'	59°03'51"	335.03'	184.11'	320.39'	S61°59'43"W

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM



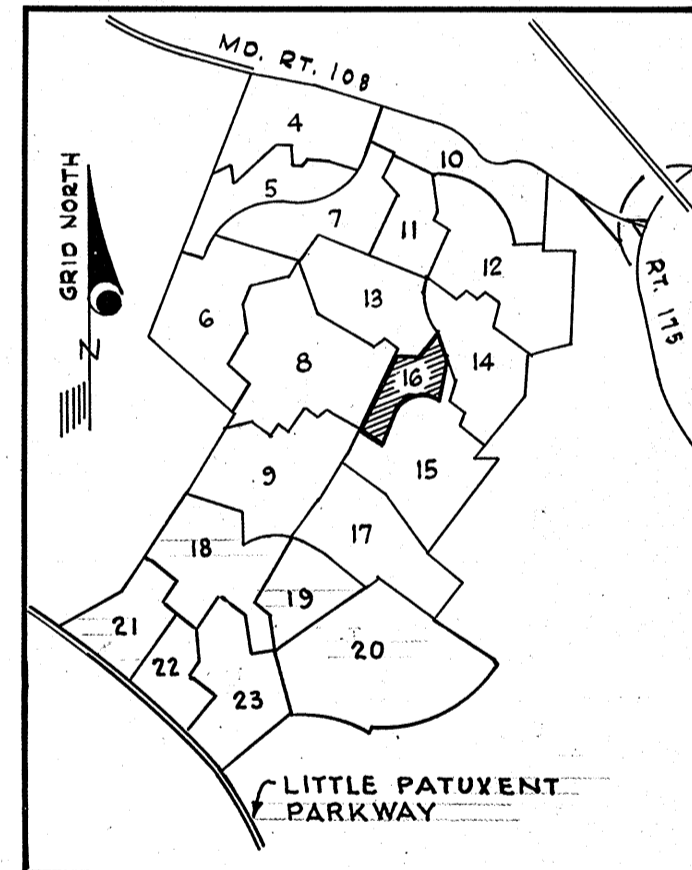
PARCEL "K"

15.184 Ac.
661,441 sq ft

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

Note:

1. This plat is based on boundary Survey date prepared by Purdum & Jeschke, Engineer, Ellicott City, Md.
2. 4' x 4' x 36" Conc. Mon. indicated thus ■.



VICINITY MAP
Scale 1" = 2000'

TOTALS

	ACREAGE
All lots	15.184
R.O.W.	0.000
Open Space	0.000
Total	15.184
Lots this plot (incl. open space)	1
Open Space Lots	0

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

**And other municipal utilities*
The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further, it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland, to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns, the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 folios 30 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 folio 196 was granted and conveyed by C. Aileen Ames to the Howard Research and Development Corporation.

<p>PROFESSIONAL LAND SURVEYOR</p> <p>(By) <u>Kenneth P. Meloch</u> 1974 Whitman, Requardt & Assoc. Reg. No. _____ 2W Preston St., Baltimore, Md., 21201</p>	<p>PROFESSIONAL ENGINEER</p> <p>(By) <u>Kenneth P. Meloch</u> 1974 Whitman, Requardt & Assoc. Reg. No. _____ 2W Preston St., Baltimore, Md. 21201</p>	<p>OWNER</p> <p>(By) <u>Thomas A. Garland</u> The Howard Research and Development Corporation Auth. Agent Columbia Md., 21043</p>
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RECORDED IN PLAT BOOK 18 FOLIO 56
on MAY 1, 1970 among The
Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 16 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPT.
Palmer F. Wine 5-1-70
County Health Officer Date

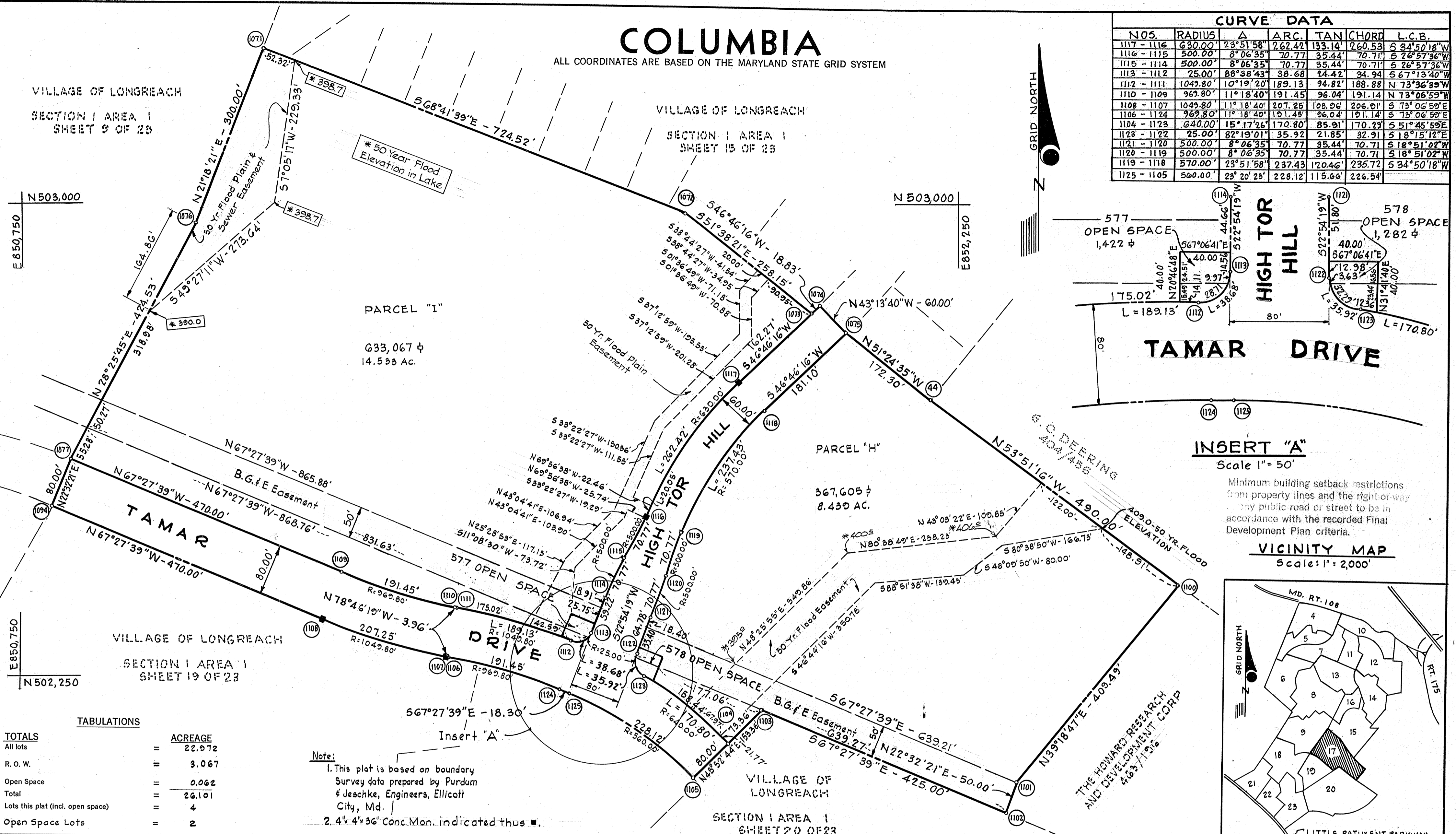
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas G. Harris 5-1-70
Director Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Norman S. O'Neill 4-30-70
Director Date

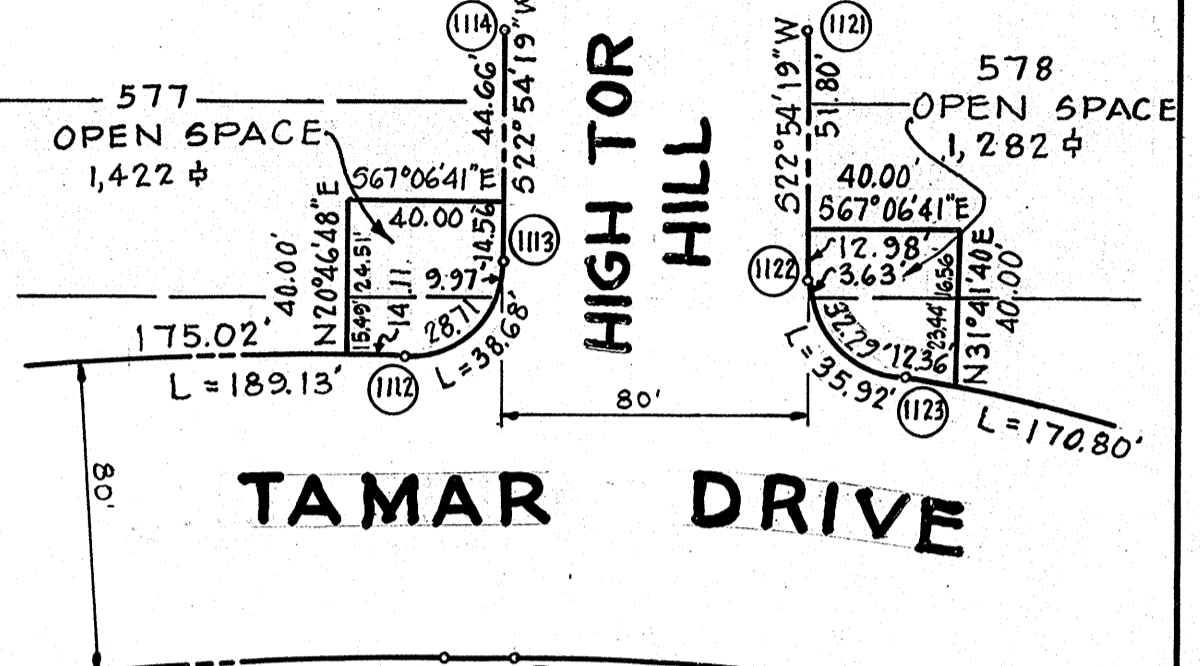
COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

CURVE DATA						
NOS.	RADIUS	Δ	ARC.	TAN	CHORD	L.C.B.
1117 - 1116	230.00'	23°51'58"	262.42'	133.14'	260.53'	5 34°50'18"W
1116 - 1115	500.00'	8°06'35"	70.77'	35.44'	70.71'	5 26°57'36"W
1115 - 1114	500.00'	8°06'35"	70.77'	35.44'	70.71'	5 26°57'36"W
1113 - 1112	25.00'	88°38'43"	38.68'	24.42'	34.94'	5 67°13'40"W
1112 - 1111	1049.80'	10°19'20"	189.13'	94.82'	188.88'	5 73°36'39"W
1110 - 1109	969.80'	11°18'40"	191.45'	96.04'	191.14'	5 73°06'59"E
1108 - 1107	1049.80'	11°18'40"	207.25'	103.96'	206.91'	5 73°06'59"E
1106 - 1124	969.80'	11°18'40"	191.45'	96.04'	191.14'	5 73°06'59"E
1104 - 1123	640.00'	15°17'26"	170.80'	85.91'	170.29'	5 51°45'59"E
1123 - 1122	25.00'	82°19'01"	35.92'	21.85'	32.91'	5 18°15'12"E
1121 - 1120	500.00'	8°06'35"	70.77'	35.44'	70.71'	5 18°51'02"W
1120 - 1119	500.00'	8°06'35"	70.77'	35.44'	70.71'	5 18°51'02"W
1119 - 1118	570.00'	23°51'58"	237.43'	120.46'	235.72'	5 34°50'18"W
1125 - 1105	560.00'	23°20'23"	228.12'	115.66'	226.54'	

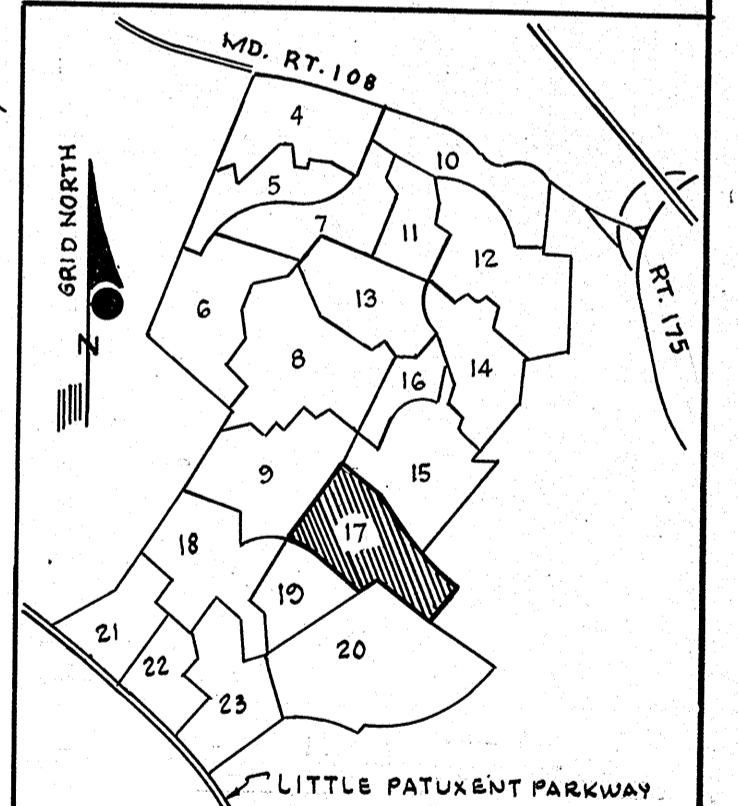


N 503,000
E 850,750
N 502,250
E 850,750



INSERT "A"
Scale 1" = 50'
Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

VICINITY MAP
Scale: 1" = 2,000'



TOTALS

	ACREAGE
All lots	22.972
R.O.W.	3.067
Open Space	0.062
Total	26.101
Lots this plat (incl. open space)	4
Open Space Lots	2

Note:
1. This plat is based on boundary Survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
2. 4" x 4" x 36" Conc. Mon. indicated thus ■.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Palmer E. Wine 5-1-70
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas L. Harris 5-1-70
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Norman S. Small 4-30-70
DIRECTOR DATE

*and other municipal utilities

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 Folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *Samuel M. Molo* 1974
Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER (By) *Samuel M. Molo* 1974
Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER (By) *Thomas A. Garland*
The Howard Research and Development Corporation Auth. Agent
Columbia, Md., 21043

**and in and through the specified easement areas shown hereon;

RECORDED IN PLAT BOOK 13 FOLIO 57
on MAY 1, 1970 among The
Land Records of Howard County, Maryland.

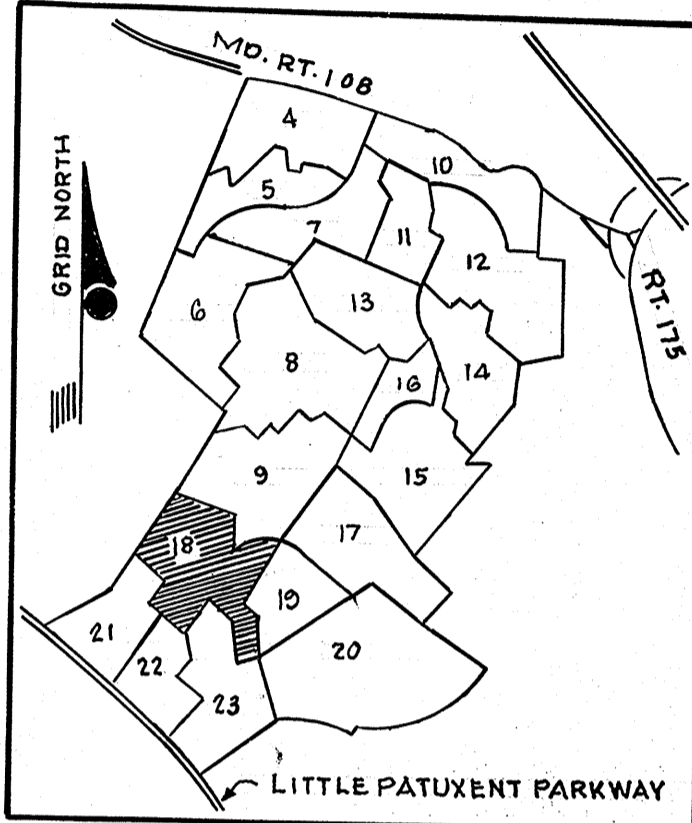
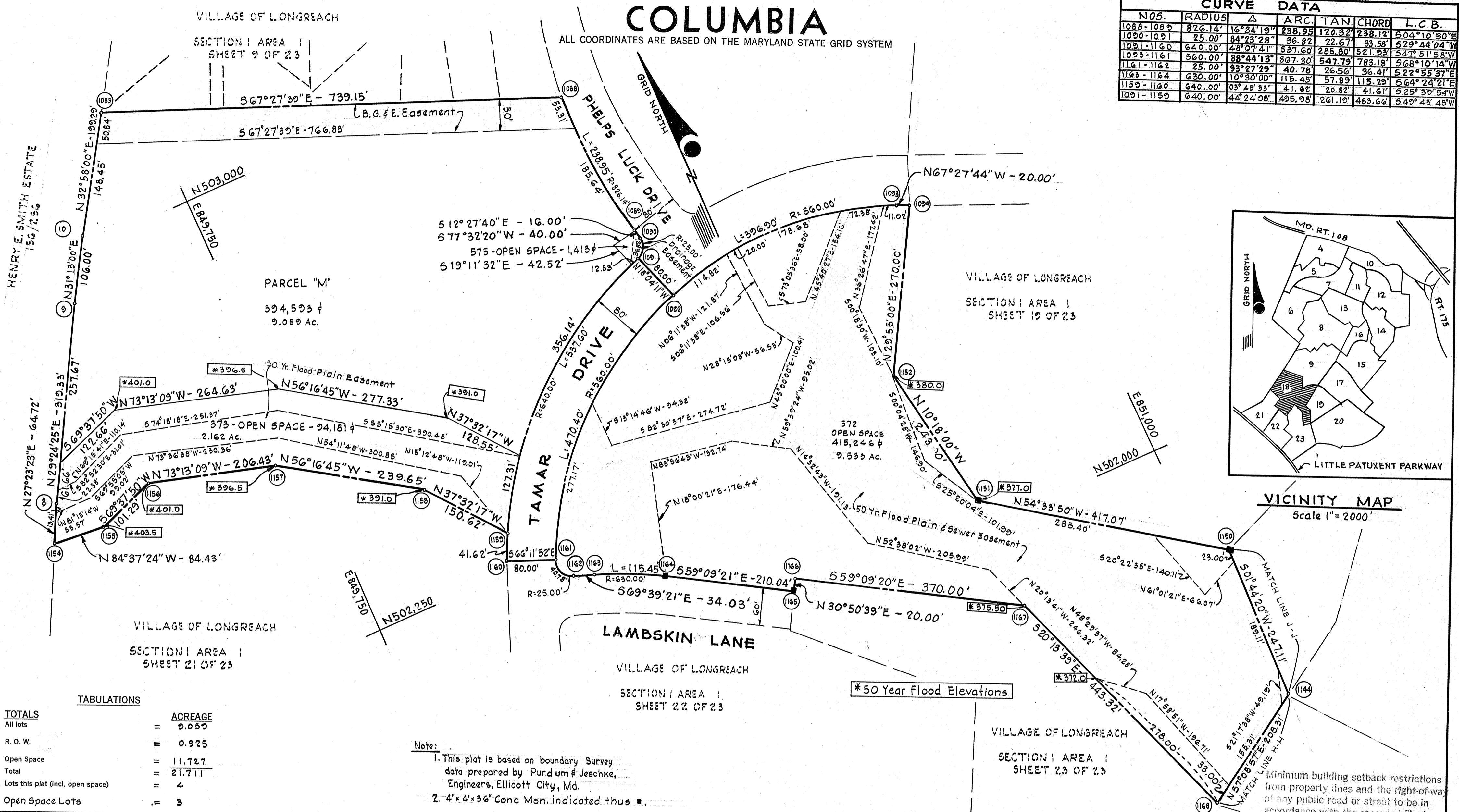
COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 17 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970.

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN	CHORD	L.C.B.
1088-1089	826.14'	16°34'19"	238.95'	120.32'	238.12'	504°10'30"W
1090-1091	25.00'	84°23'28"	36.82'	22.67'	33.58'	529°44'04"W
1091-1160	640.00'	48°07'41"	597.60'	285.80'	521.93'	547°51'58"W
1093-1161	560.00'	88°44'13"	867.30'	547.79'	783.18'	568°10'14"W
1161-1162	25.00'	93°27'29"	40.78'	26.56'	36.41'	522°55'37"E
1163-1164	630.00'	10°30'00"	115.45'	57.89'	115.29'	66°24'21"E
1159-1160	640.00'	03°43'33"	41.62'	20.82'	41.61'	525°39'54"W
1091-1159	640.00'	44°24'08"	495.98'	261.19'	483.66'	549°43'45"W



TABULATIONS

TOTALS	ACREAGE
All lots	= 9.059
R.O.W.	= 0.925
Open Space	= 11.727
Total	= 21.711
Lots this plat (incl. open space)	= 4
Open Space Lots	= 3

Note:
 1. This plat is based on boundary Survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
 2. 4" x 4" x 36" Conc. Mon. indicated thus ■.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Palmer F. Wine 5-1-70
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas L. Haring 5-1-70
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Norman S. Orful 4-30-70
 DIRECTOR DATE

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 Folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *James A. Meloy* 1974 Reg. No. Whitman, Requardt & Assoc. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER (By) *James A. Meloy* 1974 Reg. No. Whitman, Requardt & Assoc. 2 W. Preston St., Baltimore, Md., 21201

OWNER (By) *Thomas A. Courland* The Howard Research and Development Corporation Auth. Agent Columbia, Md., 21043

*and other municipal utilities

** and in and through the specified easement areas shown hereon;

RECORDED IN PLAT BOOK 13 FOLIO 53
 on May 1, 1970 among The Land Records of Howard County, Maryland.

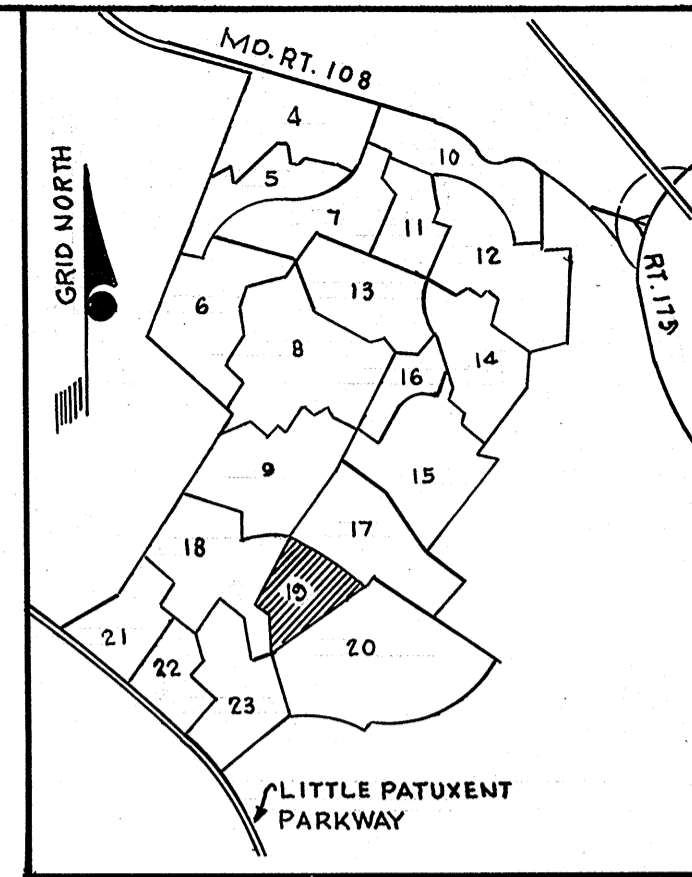
COLUMBIA
 VILLAGE OF LONGREACH

SECTION 1
 AREA 1
 Sheet 18 of 23
 6TH Election District of Howard County, Md.
 Scale: 1" = 100' Date: February 20, 1970

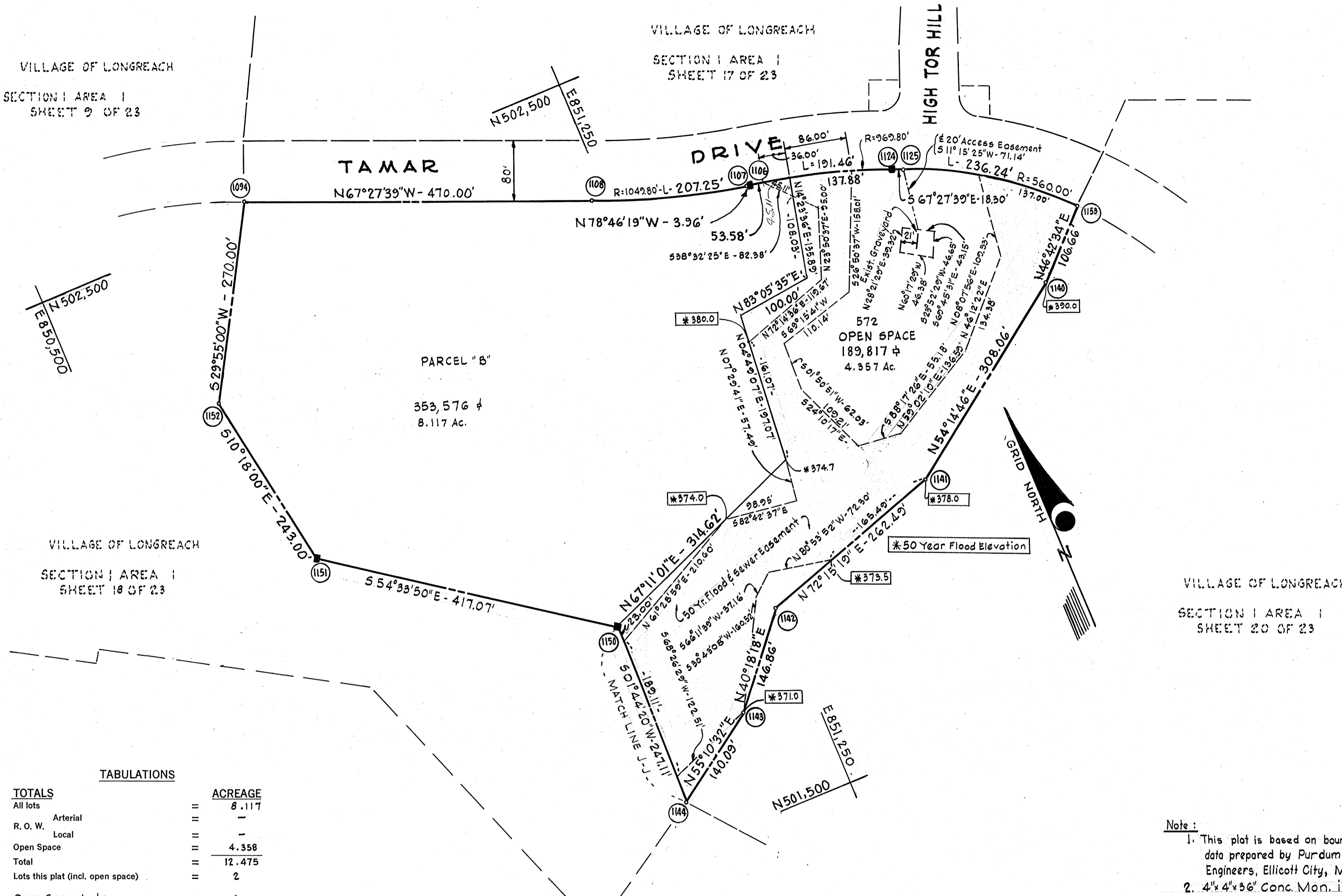
COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

CURVE DATA						
NOS.	RADIUS	Δ	ARC.	TAN.	CHORD	L.C.B.
1108 - 1107	1049.80'	11° 18' 40"	207.25'	103.96'	206.91'	N 73° 06' 59" W
1106 - 1124	969.80'	11° 18' 40"	191.46'	96.04'	191.14'	N 73° 06' 59" W
1125 - 1153	560.00'	24° 10' 13"	236.24'	119.90'	234.49'	N 67° 27' 39" W



VICINITY MAP
Scale 1" = 2000'



TABULATIONS

TOTALS	ACREAGE
All lots	= 8.117
Arterial	= -
R. O. W. Local	= -
Open Space	= 4.358
Total	= 12.475
Lots this plat (incl. open space)	= 2
Open Space Lots	= 1

- Note:**
1. This plat is based on boundary Survey data prepared by Purdum & Jeschke Engineers, Ellicott City, Md.
 2. 4"x4"x36" Conc. Mon. indicated thus ■.

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

Palmer F. Wine 5-1-70
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas L. Harriot 5-1-70
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Norman S. Orpell 4-30-70
DIRECTOR DATE

*and other municipal utilities SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES **and in and through the specified easement areas shown hereon;

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon, (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 Folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *Annunzio P. Miodini* 1974
Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER (By) *Annunzio P. Miodini* 1974
Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER (By) *Thomas A. Garland*
The Howard Research and Development Corporation Auth. Agent
Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 59
on May 1, 1970 among The
Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 19 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970.

COLUMBIA

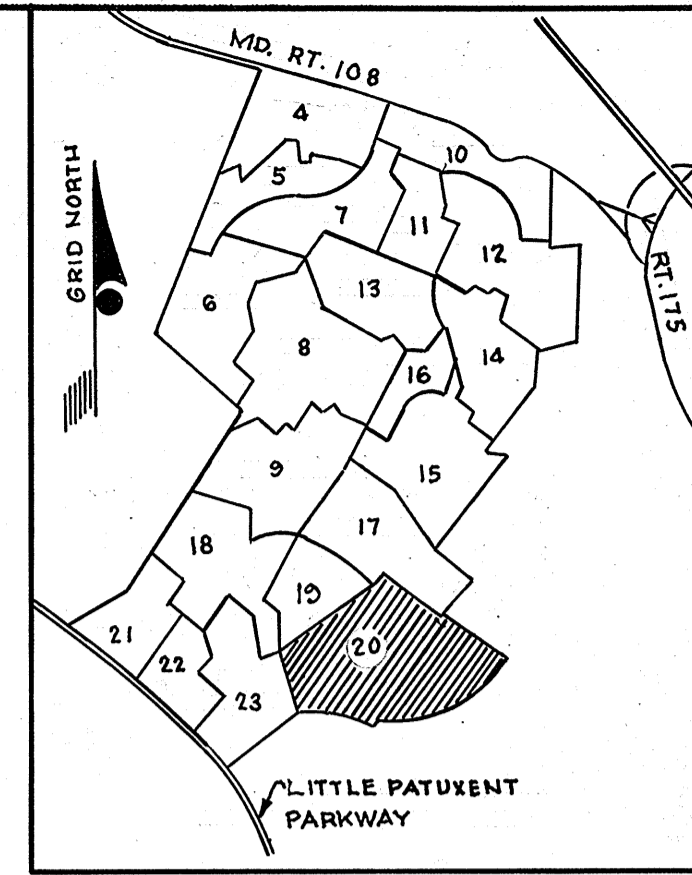
ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

VILLAGE OF LONGREACH

SECTION I AREA 1
SHEET 17 OF 23

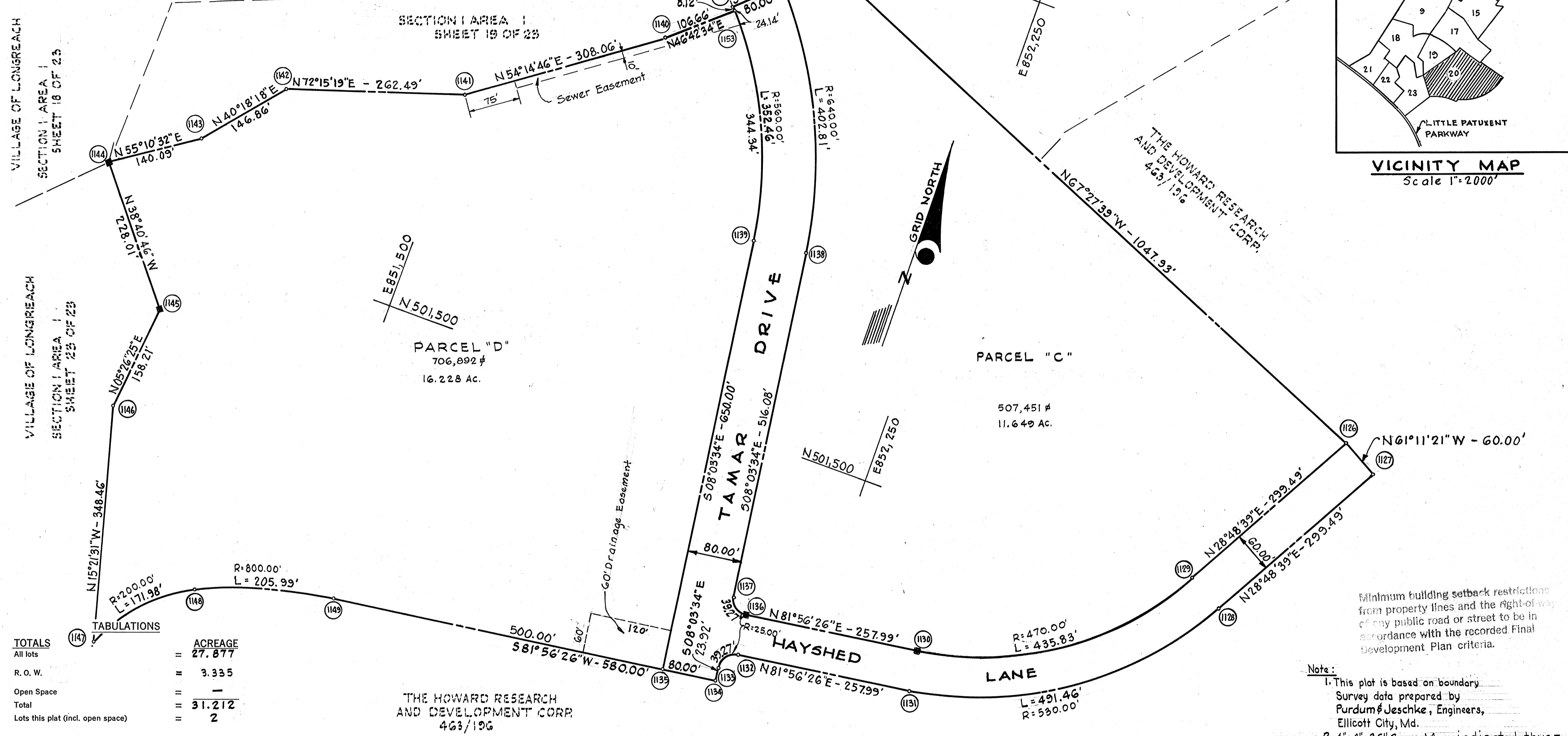
VILLAGE OF LONGREACH

SECTION I AREA 1
SHEET 19 OF 23



VICINITY MAP
Scale 1"=2000'

CURVE DATA						
NOS.	RADIUS	Δ	ARC.	TAN.	CHORD	L.C.B.
1147 - 1148	200.00'	49°16'06"	171.98'	91.71'	166.73'	542°33'12"W
1148 - 1149	800.00'	14°45'10"	205.99'	103.57'	205.42'	574°33'51"W
1139 - 1105	560.00'	36°03'42"	352.46'	182.29'	346.67'	N 26°05'25"W
1104 - 1138	640.00'	36°03'42"	402.81'	208.33'	396.20'	526°05'25"E
1137 - 1136	25.00'	90°00'00"	39.27'	25.00'	35.36'	553°03'34"E
1130 - 1129	470.00'	53°07'47"	435.83'	235.00'	420.38'	N 55°22'32"E
1128 - 1131	530.00'	53°07'47"	491.46'	265.00'	474.04'	S 55°22'32"W
1132 - 1133	25.00'	90°00'00"	39.27'	25.00'	35.36'	N 36°56'26"E
1139 - 1153	560.00'	35°13'52"	344.34'	177.81'	338.94'	N 25°40'30"W
1153 - 1105	560.00'	00°49'50"	8.12'	4.06'	8.11'	N 43°42'21"W



TOTALS

Item	Value
All lots	27.877
R.O.W.	3.335
Open Space	-
Total	31.212
Lots this plat (incl. open space)	2
Open Space Lots	0

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

Note:
1. This plat is based on boundary. Survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md.
2. 4" x 4" x 36" Conc. Mon. indicated thus ■.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

Palmer F. Wine 5-1-70
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas L. Harris 5-1-70
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Herman S. O'Neill 4-20-70
DIRECTOR DATE

* and other municipal utilities SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES ** and in and through the specified easement areas shown hereon;

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 Folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR (By) *Kenneth A. Meloch* 1974
Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER (By) *Kenneth A. Meloch* 1974
Whitman, Requardt & Assoc. Reg. No. 2 W. Preston St., Baltimore, Md., 21201

OWNER (By) *Thomas A. Garland*
The Howard Research and Development Corporation Auth. Agent
Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 60
on May 1, 1970 among The Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 20 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970.

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

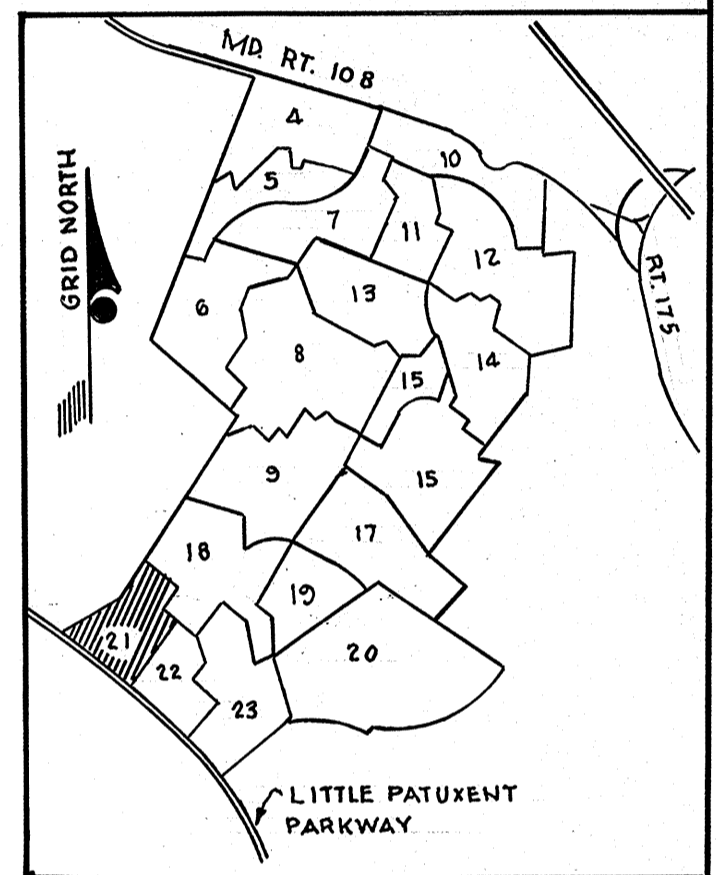
HENRY E. SMITH ESTATES
156/256

PARCEL "A"
1,041,915 ±
23.919 Ac.

CURVE DATA

NOS.	RADIUS	Δ	ARC.	TAN.	CHORD	L.C.B.
1159 - 1184	640.00	7° 11' 02"	80.25'	40.18'	80.19'	S 23° 56' 10" W
1185 - 1186	500.00	8° 06' 35"	70.77'	35.44'	70.71'	S 24° 23' 56" W
1186 - 1187	500.00	8° 06' 35"	70.77'	35.44'	70.71'	S 24° 23' 56" W
1188 - 1189	25.00'	90° 43' 26"	39.59'	25.32'	35.58'	S 65° 42' 22" W
1175 - 1176	25.00'	89° 16' 34"	38.95'	24.69'	35.13'	N 24° 17' 38" W
1177 - 1178	500.00'	8° 06' 35"	70.77'	35.44'	70.71'	N 16° 17' 22" E
1178 - 1179	500.00'	8° 06' 35"	70.77'	35.44'	70.71'	N 16° 17' 22" E
1191 - 1161	560.00'	03° 27' 29"	33.80'	16.90'	33.79'	S 22° 04' 23" W
1159 - 1160	640.00'	03° 43' 33"	41.62'	20.82'	41.61'	S 25° 32' 54" W
1160 - 1184	640.00'	03° 27' 29"	38.63'	19.32'	38.62'	S 22° 04' 24" W

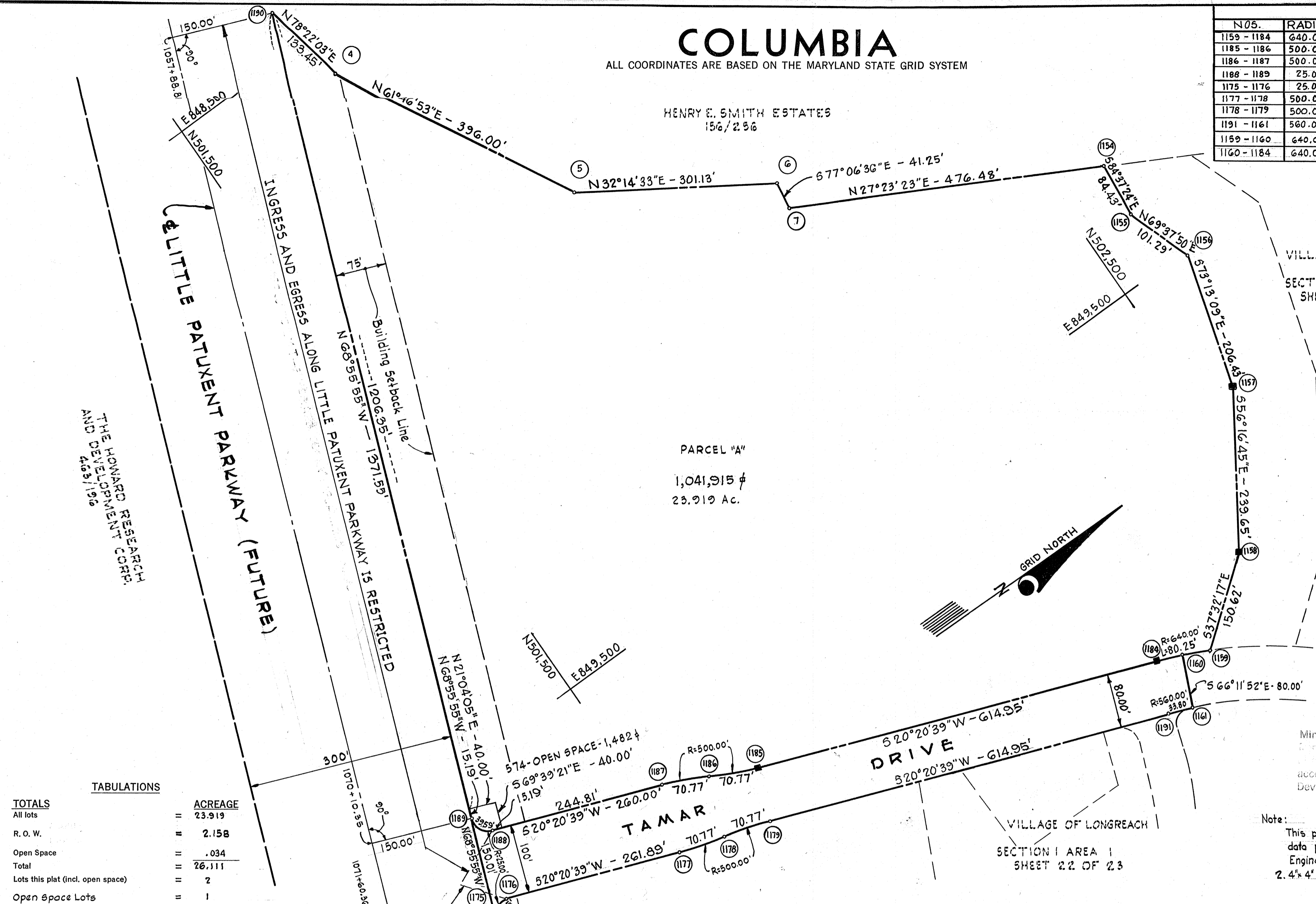
VILLAGE OF LONGREACH
SECTION 1 AREA 1
SHEET 18 OF 23



VICINITY MAP
Scale 1" = 200'

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

Note: This plat is based on boundary Survey data prepared by Purdum & Jeschke, Engineers, Ellicott City, Md. 2.4" x 4" x 36" Conc. Mon. indicated thus ■.



TABULATIONS

	ACREAGE
TOTALS	
All lots	23.919
R. O. W.	2.158
Open Space	.034
Total	26.111
Lots this plat (incl. open space)	2
Open Space Lots	1

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Palmer F. Wine 5-1-70
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas J. Harris 5-1-70
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Herman S. Orrell 4-30-70
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
*and other municipal utilities

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES
**and in and through the specified easement areas shown hereon;

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains, and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certify that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 12 Folios 59 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR
(By) *Annunzio M. Molo* 1974
Whitman, Requardt & Assoc. Reg. No. 1974
2 W. Preston St., Baltimore Md, 21201

PROFESSIONAL ENGINEER
(By) *Annunzio M. Molo* 1974
Whitman, Requardt & Assoc. Reg. No. 1974
2 W. Preston St., Baltimore, Md, 21201

OWNER
(By) *Thomas A. Corland*
The Howard Research and Development Corporation Auth. Agent
Columbia, Md., 21043

RECORDED IN PLAT BOOK 18 FOLIO 61
on May 1, 1970 among The
Land Records of Howard County, Maryland.

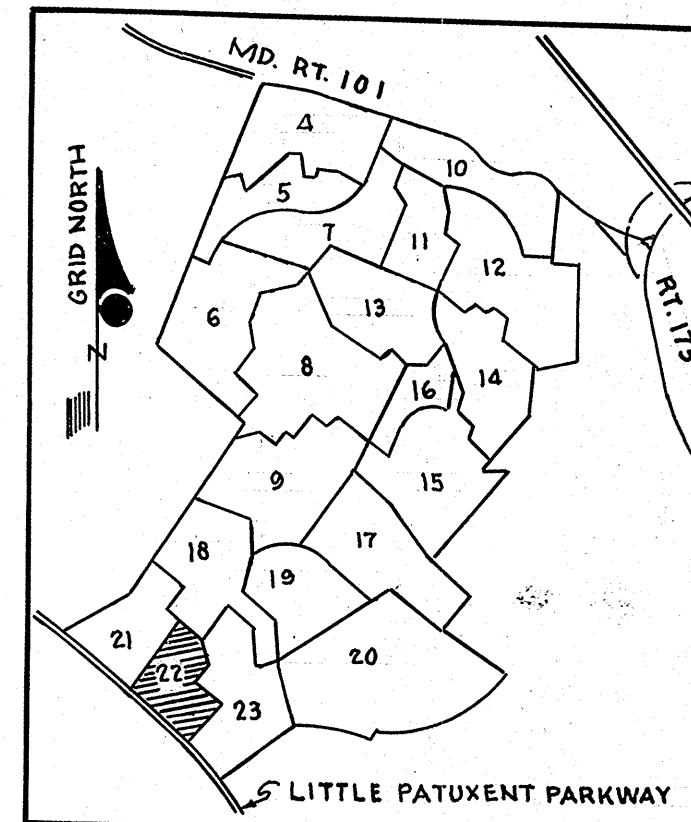
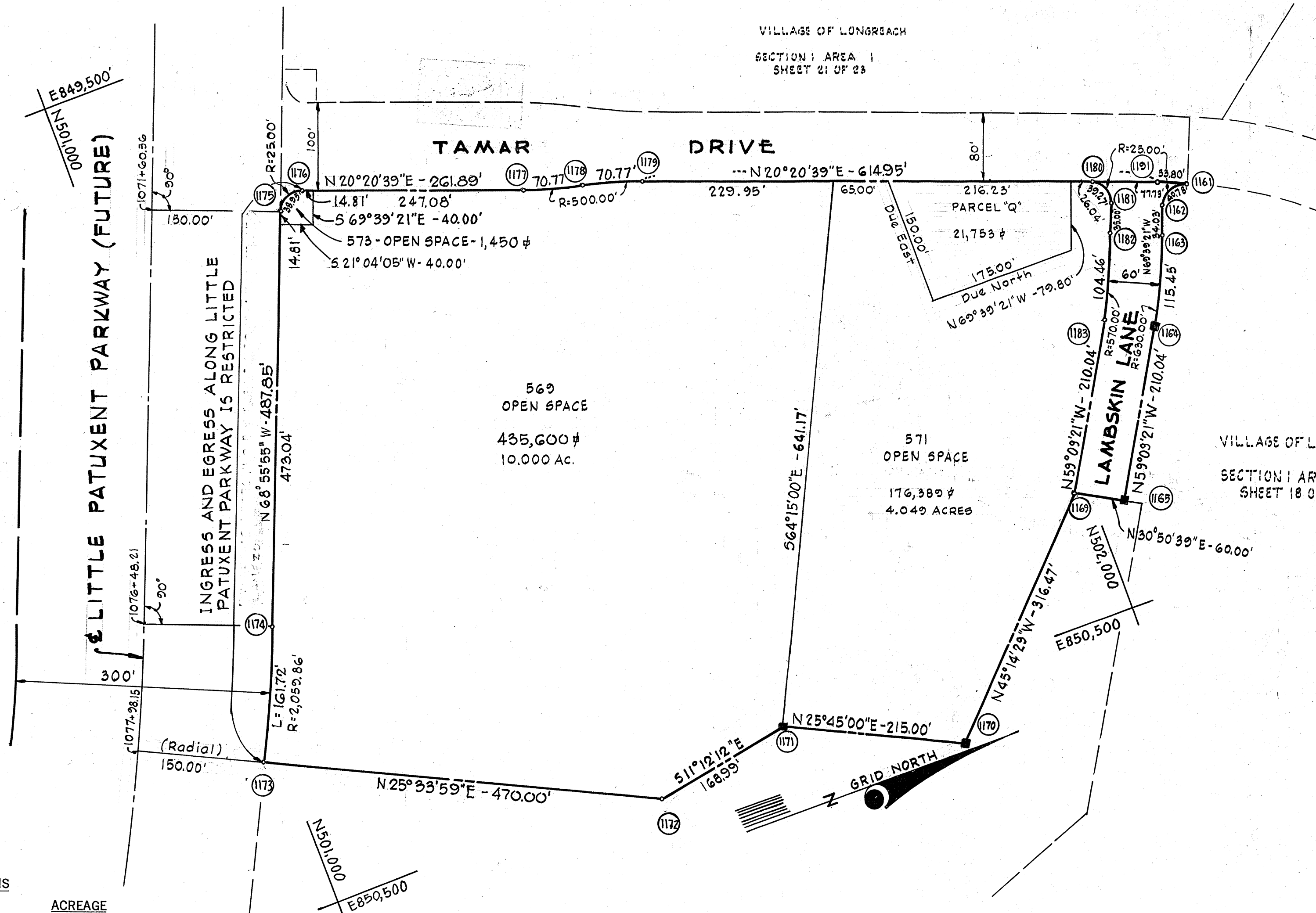
COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 21 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970

COLUMBIA

ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN	CHORD	L.C.B.
1161 - 1191	560.00'	03° 27' 29"	33.80'	16.90'	33.70'	S 22° 04' 23" W
1161 - 1162	25.00'	93° 21' 29"	40.78'	26.56'	36.41'	S 22° 55' 37" E
1163 - 1164	630.00'	10° 30' 00"	115.45'	57.89'	115.29'	S 64° 24' 21" E
1183 - 1182	570.00'	10° 30' 00"	104.46'	52.38'	104.31'	N 64° 24' 21" W
1181 - 1180	25.00'	90° 00' 00"	39.27'	25.00'	35.36'	S 65° 20' 39" W
1179 - 1178	500.00'	8° 06' 35"	70.77'	35.44'	70.71'	N 16° 17' 22" E
1178 - 1177	500.00'	8° 06' 35"	70.77'	35.44'	70.71'	N 16° 17' 22" E
1176 - 1175	25.00'	89° 16' 34"	38.95'	24.69'	35.13'	N 24° 17' 36" W
1174 - 1173	2059.86'	4° 29' 54"	161.72'	80.90'	161.68'	N 66° 40' 58" W



VICINITY MAP
Scale: 1" = 2000'

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
463/196

LITTLE PATUXENT PARKWAY (FUTURE)

INGRESS AND EGRESS ALONG LITTLE PATUXENT PARKWAY IS RESTRICTED

569
OPEN SPACE
435,600 #
10.000 Ac.

571
OPEN SPACE
176,380 #
4.049 ACRES

VILLAGE OF LONGREACH
SECTION 1 AREA 1
SHEET 18 OF 23

VILLAGE OF LONGREACH
SECTION 1 AREA 1
SHEET 23 OF 23

TABULATIONS

TOTALS	ACREAGE
All lots	= 0.500
R. O. W.	= 0.530
Open Space	= 14.082
Total	= 15.112
Lots this plat (incl. open space)	= 4
Open Space Lots	= 3

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

- Note:
- This plat is based on boundary Survey data prepared by Purdum # Jeschke, Engineers, Ellicott City, Md
 - 4"x4"x36" Conc. Mon. indicated thus ■

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Palmer F. Wine 5-1-70
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas G. Harris 5-1-70
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Norman S. Will 4-30-70
DIRECTOR DATE

*and other municipal utilities

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

*and in and through the specified easement areas shown hereon;

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 Folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR
(By) *Thomas A. Whitman* 1974
Whitman, Requardt & Assoc. Reg. No.
2 W. Preston St., Baltimore Md., 21201

PROFESSIONAL ENGINEER
(By) *Thomas A. Whitman* 1974
Whitman, Requardt & Assoc. Reg. No.
2 W. Preston St., Baltimore Md., 21201

OWNER
Thomas A. Carland
The Howard Research and Development Corporation Auth. Agent
Columbia, Md., 21043

RECORDED IN PLAT BOOK 13 FOLIO 62
on May 1, 1970 among The
Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH

SECTION 1
AREA 1
Sheet 22 of 23
6th Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970

CURVE DATA

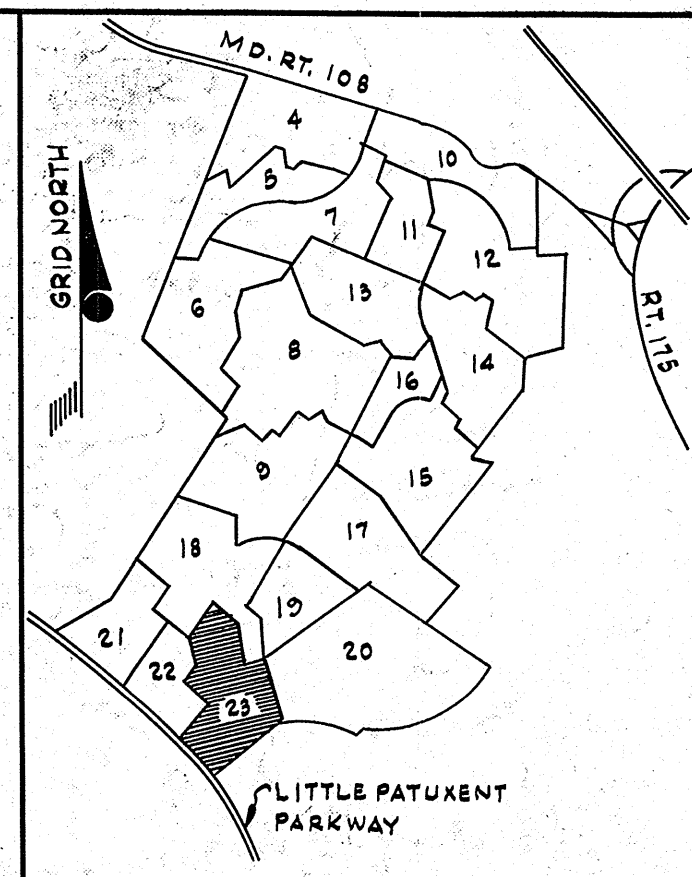
NOS.	RADIUS	Δ	ARC.	TAN. CHORD	L.C.B.
1173 - 1192	2,053.86	28°01'25"	1007.50	514.03	997.47
					550°25'18"E

COLUMBIA

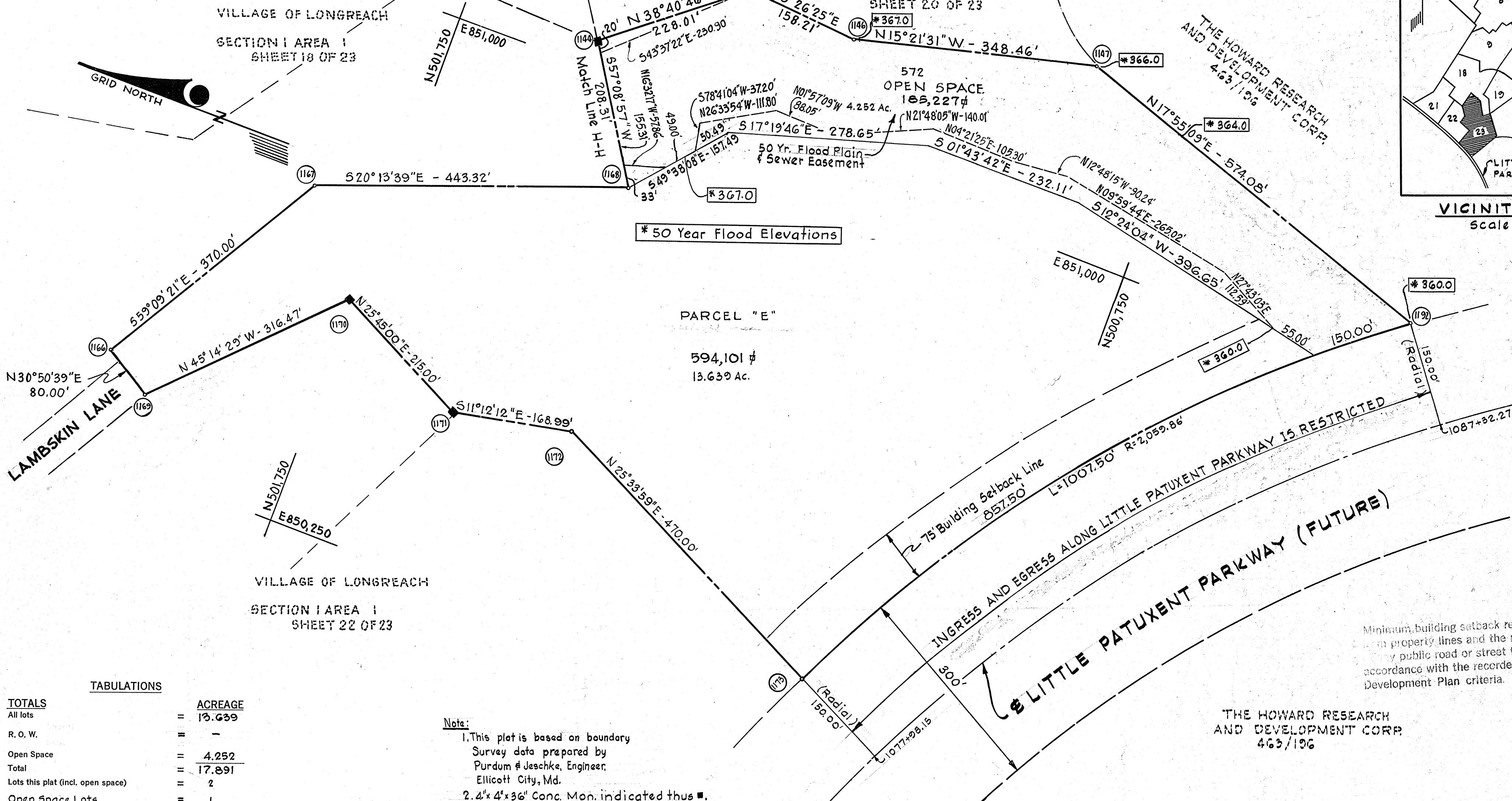
ALL COORDINATES ARE BASED ON THE MARYLAND STATE GRID SYSTEM

VILLAGE OF LONGREACH

SECTION I AREA 1
SHEET 20 OF 23



VICINITY MAP
Scale: 1" = 2,000'



TABULATIONS

TOTALS	ACREAGE
All lots	= 13.639
R. O. W.	= -
Open Space	= 4.252
Total	= 17.891
Lots this plat (incl. open space)	= 2
Open Space Lots	= 1

Note:
1. This plat is based on boundary survey data prepared by Purdum & Jeschke, Engineer, Ellicott City, Md.
2. 4" x 4" x 36" Conc. Mon. indicated thus ■.

Minimum building setback restrictions from property lines and the right-of-way of any public road or street to be in accordance with the recorded Final Development Plan criteria.

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
463/196

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

Palm F. Wine 5-1-70
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas A. Harris, Jr. 5-1-70
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Norman S. McMill 4-30-70
DIRECTOR DATE

*and other municipal utilities

SURVEYOR'S, ENGINEER'S and OWNER'S CERTIFICATES

**and in and through the specified easement areas shown hereon;

The undersigned, owner of the property shown on this Plat, grants unto, (1) Howard County, Maryland, its successors and assigns, the right to lay, construct and maintain water and sewer mains, and laterals therefor in and under all road and street rights-of-way as shown hereon; (2) further it adopts this plan of subdivision and reserves the fee simple title to the beds of the streets and/or roads hereon, except however, for one dollar consideration, it herewith grants the right and option to Howard County, Maryland to acquire (within a period of five years commencing with the date of recording of this plat among the Land Records of Howard County) the fee simple title to the beds of the streets and/or roads shown hereon, together with such adjacent land, if any, as may be shown on this plat as areas designated for the installation of street lighting facilities, reserving, however, unto Grantor, its successors and assigns the right in perpetuity to lay, construct, enlarge, maintain and use cables and/or conduits for electrical transmission and other purposes beneath the surface of the lands subject to the rights granted herein to said Howard County. The undersigned certifies that the subdivision plan shown hereon is correct as complying with the requirements of Final Development Plan Phase 77 recorded in Plat Book 19 Folios 50 to 72, each inclusive, with all Open Space shown thereon to be used for drainage easements, if necessary, and the requirements of Article 17, Section 60 of the annotated code of Maryland concerning the making of this Plat and setting of markers have been complied with. The land shown hereon is a part of the land which by deed dated December 13, 1966 and recorded among the Land Records of Howard County, Maryland in Liber 463 Folio 196, was granted and conveyed by C. Aileen Ames to The Howard Research and Development Corporation.

PROFESSIONAL LAND SURVEYOR
(By) *Kenneth P. Meloy* 1974
Whitman, Requardt & Assoc. Reg. No. 1974
2 W. Preston St., Baltimore, Md., 21201

PROFESSIONAL ENGINEER
(By) *Kenneth P. Meloy* 1974
Whitman, Requardt & Assoc. Reg. No. 1974
2 W. Preston St., Baltimore, Md., 21201

OWNER
(By) *Thomas A. Gerland*
The Howard Research and Development Corporation
Columbia, Md., 21043 Auth. Agent

RECORDED IN PLAT BOOK 18 FOLIO 63
on May 1, 1970 among The Land Records of Howard County, Maryland.

COLUMBIA
VILLAGE OF LONGREACH
SECTION 1
AREA 1
Sheet 23 of 23
6TH Election District of Howard County, Md.
Scale: 1" = 100' Date: February 20, 1970