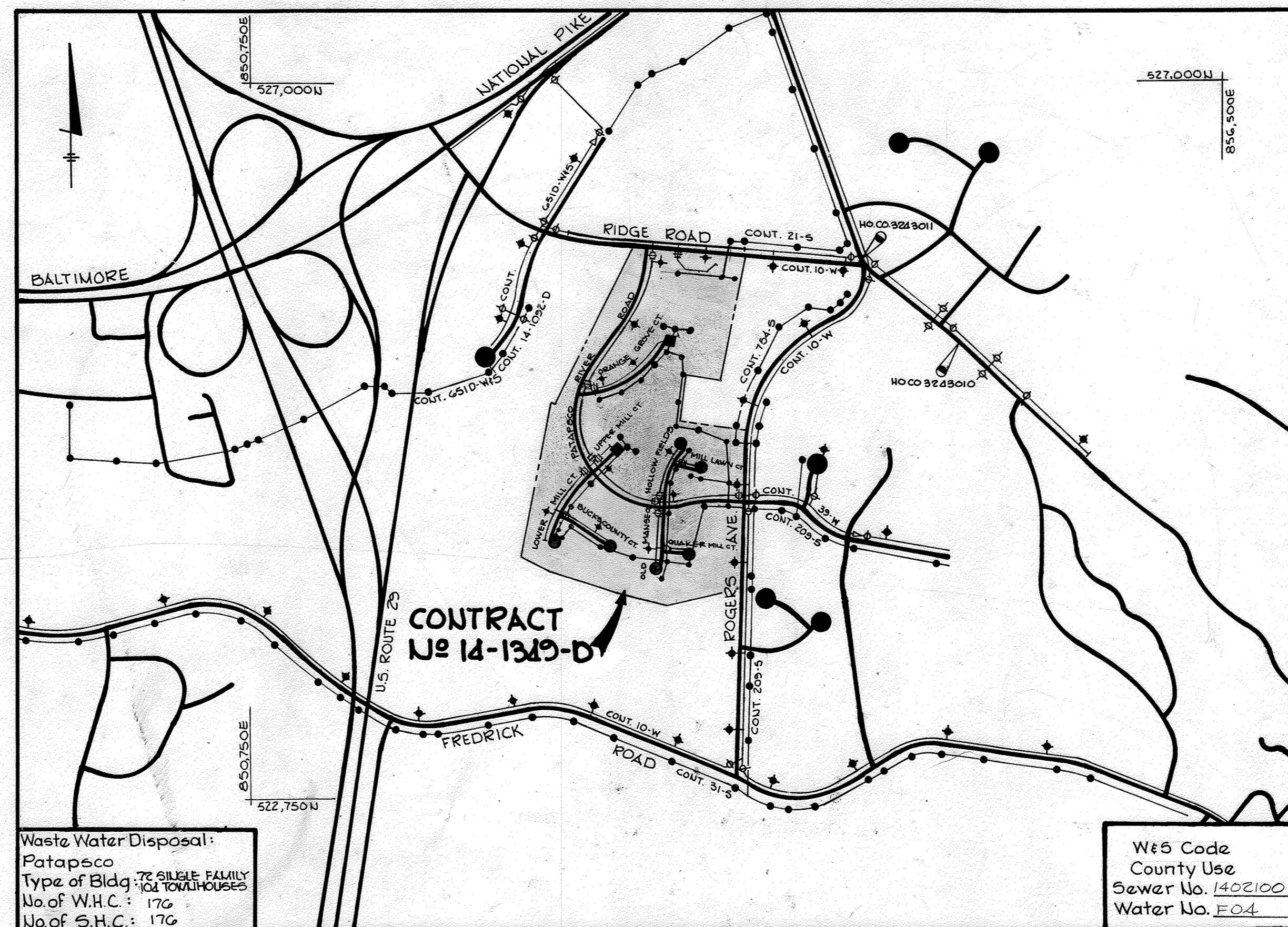


SHEET INDEX	
SHEET NO.	ITEM
1	TITLE SHEET
2	Plan of Old Manse Court, Hollow Fields Court, Quaker Mill Court, Hill Lawn Court & Patapsco River Rd.
3	Plan of Upper Mill Court, Lower Mill Court, Bucks County Court and Patapsco River Road
4	Plan of Orange Grove Court, Patapsco River Road, and Ridge Road
5	Profiles of Water and Sewer Mains
6	Profiles of Water and Sewer Mains
7	Profiles of Water and Sewer Mains
8	Profiles of Water and Sewer Mains

INVERT ELEVATIONS OF S.H.C. @ PROPERTY LINE FOR TOWNHOUSES				
MH TO MH	LOT NOS	TYPE	INVERT EL@P	MIN. SERVICEABLE EL
17-18	73 & 74	DOUBLE	356.1	350.5
	75 & 76	"	356.7	350.2
	77 & 78	"	358.3	351.8
	79 & 80	"	358.2	352.0
	81 & 82	"	359.4	353.0
	83 & 84	"	359.0	352.4
18-19	85 & 86	"	358.0	351.3
	87 & 88	"	360.4	353.9
	89 & 90	"	361.6	355.2
19-20	91 & 92	"	362.9	356.6
	93 & 94	"	367.0	370.7
	95 & 96	"	366.2	369.7
20-21	97 & 98	"	367.5	371.1
	99 & 100	"	368.6	372.3
	101 & 102	"	368.0	371.7
21-22	103 & 104	"	368.2	371.8
	105 & 106	"	371.4	375.0
	107 & 108	"	370.9	374.4
22-23	109 & 110	"	369.9	373.6
	111 & 112	"	369.4	373.1
	113 & 114	"	370.2	373.8
23-24	115 & 116	"	370.8	374.4
	117 & 118	"	378.4	382.0
	119 & 120	"	377.0	380.6
24-25	121 & 122	"	374.8	378.3
	123 & 124	"	373.0	376.9
	125 & 126	"	374.3	377.8
25-26	127 & 128	"	376.0	379.5
	129 & 130	"	365.7	369.2
	131 & 132	"	365.2	368.7
26-27	133 & 134	"	369.1	372.5
	135 & 136	"	370.4	373.7
	137 & 138	"	367.0	370.6
27-28	139 & 140	"	366.8	370.3
	141 & 142	"	366.5	370.4
	143 & 144	"	366.6	370.4
28-29	145 & 146	"	369.8	374.0
	147 & 148	"	369.2	373.7
	149 & 150	"	365.4	368.8
29-30	151 & 152	"	364.5	368.3
	153 & 154	"	365.0	369.3
	155 & 156	"	365.2	369.7
30-31	157 & 158	"	369.0	372.5
	159 & 160	"	369.0	372.5
	161 & 162	"	369.0	372.5
31-32	163 & 164	"	369.2	372.7
	165 & 166	"	369.2	372.7
	167 & 168	"	369.5	373.0
32-33	169 & 170	"	369.6	373.1
	171 & 172	"	369.6	373.1
	173 & 174	"	369.6	373.1



RIVER MILLS

CONTRACT NO. 14-1349-D

ELECTION DISTRICT NO. 2

HOWARD COUNTY, MARYLAND

GENERAL NOTES

- Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on U.S.G.S. data.
- All pipe elevations shown are invert elevations.
- Clear all utilities by a minimum of 6'. Clear all poles by 2'-0" minimum or tunnel as required. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the contractor's work requires the bracing of additional poles, any cost incurred by owner for the bracing of additional poles or damages shall be deducted from money owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.
- For details not shown on the drawings, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Details for Construction. The contractor shall have a copy of Volume IV on the job.
- Where test pits have been made on existing utilities, they are noted by the symbol at the location of the test pit. A note or notes containing the results of the test pit or pits is included on the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be located by the contractor two weeks in advance of construction operations at his own expense.
- Contractor shall notify the following utilities or agencies at least five working days before starting work shown on these plans:

State Highway Administration	531-5533
Baltimore Gas & Electric Co. - Contractor Services	561-2585
Baltimore Gas & Electric Co. - Under Ground Damage Control	234-5621
Baltimore Gas & Electric Co. - Trouble Shooting	238-9013
Miss Utility	1-555-0100
Colonial Pipeline Co.	755-1390
Bureau of Utilities, Howard County Department of Public Works	932-2366
- Trees are to be protected from damage to maximum extent. Trees located within the construction strip are not to be removed or damaged by the contractor.
- Contractor shall remove trees, stumps and roots along line of excavation as directed by the Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill.
- Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
- All water mains to be D.I.P. unless otherwise noted.
- Top of all water mains to have minimum 3/2' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- Block all fittings with concrete.
- Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with standard details. Soil around the fire hydrant to be compacted in accordance with Section 1003 & 1008 of the General Requirements for Water and Sewer.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on the existing system.
- For all copper water house connections utilize flared type fittings only.
- All sewer mains shall be C.S.P.X., V.C.P.X., P.V.C. or A.C.P. Class 2400 unless otherwise noted.
- The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
- All manholes shall be 4'-0" inside diameter, unless otherwise noted.
- Manholes shown with 12" and 16" walls are brick manholes only.
- Manholes designed W.T. in plan and profile shall have watertight frame and covers, Standard Detail G5-52 Volume IX. Where watertight manhole frame and cover is used, set top of frame 1'-6" above finished grade.
- Houses with the symbol "C.U.S." indicates the cellar can not be served.
- All water house connections shall have a minimum vertical clearance of 12" above all sanitary sewer crossings.
- All sanitary sewer house connections shall have a minimum vertical clearance of 12" below all water main crossings.
- Profile stations shall be adjusted as necessary to conform to Plan dimensions.
- No pipe shall be laid until lines of excavation have been brought to subgrade.
- Elevations shown on each lot indicates the minimum basement floor elevation for said lots that can be gravity served by 8" sanitary lines to be constructed under this contract.

Ho. Co. Monument # 324301 Elev. 397.272
Howard County concrete Monument with bronze disk located at the intersection of Rodgers Avenue and Ridge Road.

Ho. Co. Monument # 324301 Elev. 408.675
Howard County concrete Monument with bronze disk located on southwest corner of Brightwell Drive and Court House Drive.

ITEM	QUANTITIES		MATERIAL/SUPPLIER
	ESTIMATED	AS BUILT	
6" Water	1861 LF	2021 LF	GREEN PIPE PRODUCTS
8" Water	4523 LF	4475 LF	" " "
12" Water	539 LF	541 LF	" " "
GV's (Excl. F.H.v's)	5 Ea.	16 EA	" " "
8" V's	9 Ea.	9 EA	" " "
Fire Hydrants	11 Ea.	11 EA	BELMOR SUPPLIER
12" x 8" T.S.&V	1 Ea.	1 EA	" " "
8" Sewer	5937 LF	5722	" " "
Manholes	418 V.F.	(41)	ATLANTIC PRECAST
1" W.H.C.	2322 LF	2531 LF	BELMOR SUPPLIER
3/4" W.H.C.	3644 LF	4282 LF	" " "
6" S.H.C.	4177 LF	4190 LF	" " "
1/2" DRILL BLOWOFFS	7 Ea.	7 EA	" " "

Sediment control measures for this contract will be implemented in accordance with Article 15 of the Specifications (F-85-113)

Howard Soil Conservation District:
Reviewed for Howard Soil Conservation District and meets technical requirements.

James M. McLean 8/26/85
U.S. Soil Conservation Service Date

This plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

Stephen R. Fuller 8/26/85
Howard Soil Conservation District Date

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

George F. Nummy 8-20-85
DIRECTOR OF PUBLIC WORKS DATE

Richard M. Berman 8-29-85
CHIEF, BUREAU OF UTILITIES DATE

Patrick C. Jennings II 8-30-85
CHIEF, LAND DEVELOPMENT DIVISION DATE

THE RIEMER GROUP, INC.
3105 HEALTH PARK DRIVE
ELLCOTT CITY, MARYLAND 21043

Patrick C. Jennings II
PATRICK C. JENNINGS II

DES: D.A.M.					
DRN: W.C.W.					
CHK: L.J.D.					
DATE: 3-12-85					
BY NO.		REVISION		DATE	

TITLE SHEET

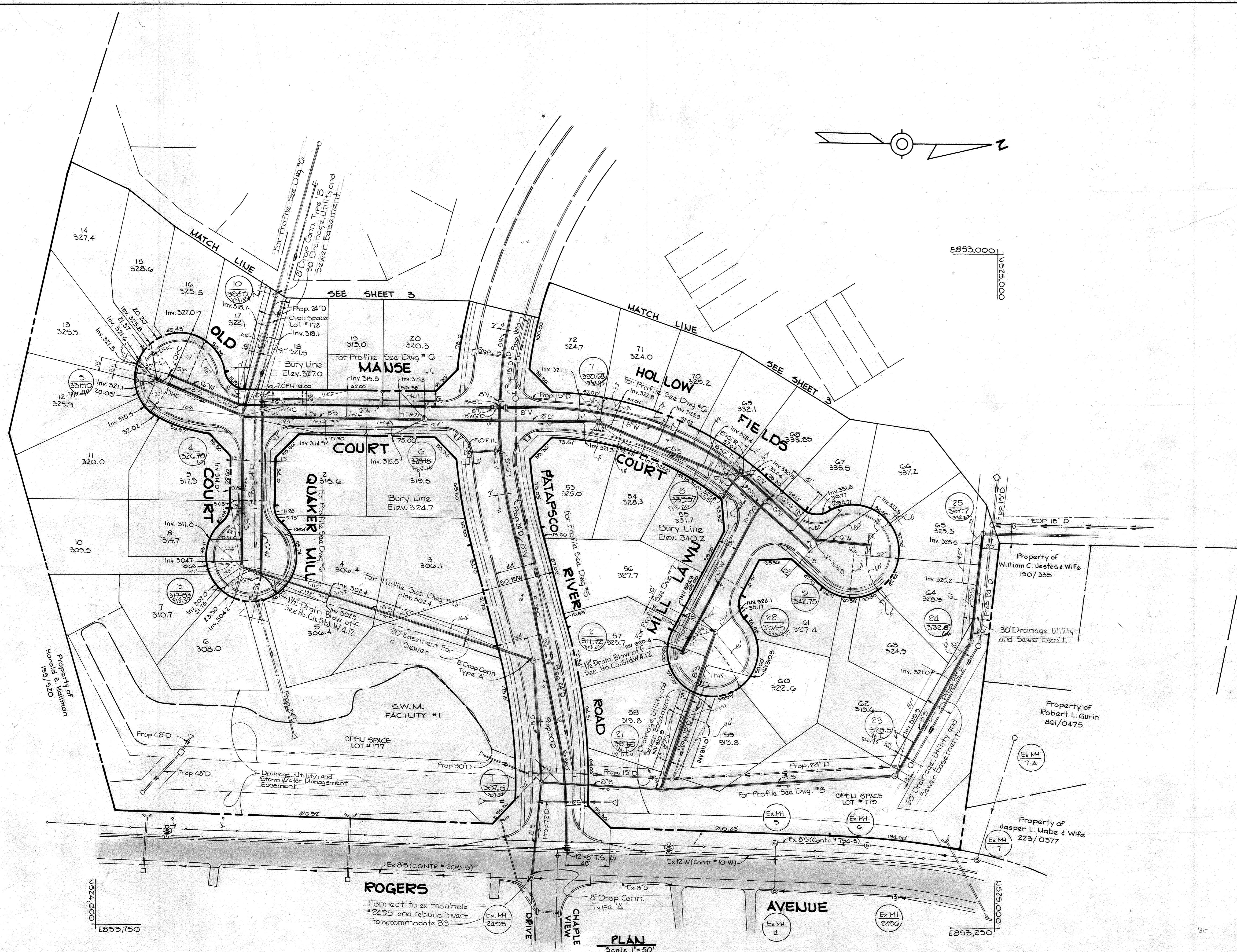
600' SCALE MAP NO. 24 BLOCK NO.

RIVER MILLS - SECTION ONE
ELECTION DISTRICT NO. 2
CONTRACT NO. 14-1349-D

SCALE AS SHOWN
SHEET 1 OF 8

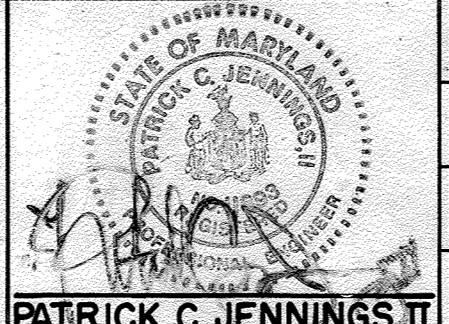
ASB 12/08/86 AM
AUGUST 3, 1985 DAM

Lots	LENGTH OF PIPE	
	SEWER HOUSE CONNECT	WATER HOUSE CONNECT
1	L=18'	Ø 1" = 34'
2	17'	Ø 3/4" = 14'
3	9'	Ø 1" = 28'
4	25'	Ø 3/4" = 14'
5	10'	Ø 3/4" = L=32'
6	30'	Ø 1" = 54'
7	35'	Ø 3/4" = 14'
8	35'	Ø 1" = 32'
9	17'	Ø 3/4" = 14'
10	40'	Ø 3/4" = L=57'
11	33'	Ø 3/4" = L=52'
12	26'	Ø 1" = 44'
13	20'	Ø 3/4" = 14'
14		Ø 1" = 43'
15	39'	Ø 3/4" = 14'
16	38'	Ø 1" = 50'
17	14'	Ø 3/4" = 14'
18	17'	Ø 3/4" = L=20'
19	31'	Ø 1" = 18'
20	31'	Ø 3/4" = 14'
53	22'	Ø 1" = 26'
54	14'	Ø 3/4" = 14'
55	18'	Ø 3/4" = L=34'
56	42'	Ø 1" = 14'
57	47'	Ø 3/4" = 14'
58	12'	Ø 3/4" = L=32'
59	25'	Ø 1" = 82'
60	54'	Ø 3/4" = 14'
61	38'	Ø 3/4" = L=32'
62	24'	Ø 3/4" = 69'
63	24'	Ø 1" = 60'
64	11'	Ø 3/4" = 14'
65	11'	Ø 1" = 22'
66	80'	Ø 3/4" = 14'
67	32'	Ø 1" = 11'
68	32'	Ø 3/4" = 14'
69	31'	Ø 1" = 12'
70	37'	Ø 3/4" = 14'
71	29'	Ø 1" = 12'
72	32'	Ø 3/4" = 14'



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director: *Walter F. Nunn* 8-20-85
 Chief, Bureau of Engineering: *William B. Ray* 8-20-85
 Chief, Bureau of Utilities: *Richard B. ...* 8-29-85
 Chief, Land Development Division: *...*

THE RIEMER GROUP, INC.
 3105 HEALTH PARK DRIVE
 ELLICOTT CITY, MARYLAND 21043



DES: D.A.M.			
DRN: W.C.W.			
CHK: L.J.D.			
DATE: 3-12-85	BY: NO.	REVISION	DATE

PLAN OF A
 WATER AND SEWER MAIN
 600' SCALE MAP NO. 24 BLOCK NO.

RIVER MILLS-SECTION ONE
 ELECTION DISTRICT NO. 2
 CONTRACT NO. 14-1349-D
 SCALE AS SHOWN
 SHEET 2 OF 8
 AUGUST 5, 1985



Lots	LENGTH OF PIPE		LENGTH OF PIPE
	SEWER	HOUSE CONN	WATER HOUSE CONN.
21	14'		{d1"=30' 5"
22	16'		{d3/4"=14' 5"
23	7'		{d1"=23' 5"
24	33'		{d3/4"=14' 5"
25	37'		{d1"=20' 5"
26	44'		{d3/4"=14' 20' 5"
27	51'		{d1"=46' 5"
28	34'		{d3/4"=14' 46' 5"
29	11'		{d1"=52' 52' 5"
30	31'		{d3/4"=14' 5"
31	32'		{d1"=40' 5"
32	34'		{d3/4"=14' 40' 5"
33	28'		{d1"=24' 5"
34	14'		{d3/4"=14' 24' 5"
35	14'		{d1"=21' 5"
36	38'		{d3/4"=14' 21' 5"
37	12'		{d3/4"=14' 5"
38	20'		{d3/4"=10' 5"
39	52'		{d1"=83' 83' 5"
40	68'		{d3/4"=14' 5"
41	73'		{d1"=78' 78' 5"
42	66'		{d3/4"=14' 5"
43	37'		{d1"=46' 46' 5"
44	26'		{d3/4"=14' 5"
45	25'		{d1"=15' 15' 5"
46	31'		{d3/4"=14' 5"
47	31'		{d1"=16' 16' 5"
48	31'		{d3/4"=14' 5"
49	31'		{d1"=16' 16' 5"
50	30'		{d3/4"=14' 5"
51	30'		{d1"=14' 14' 5"
52	d6" 3'		{d3/4"=15' 5"
73	{d6" 30' 6'		{d3/4"=53' 5"
74	{d1" 7'		{d1"=43' 5"
75	{d6" 26' 4'		{d3/4"=14' 43' 5"
76	{d6" 5'		{d3/4"=32' 5"
77	{d6" 49' 5'		{d3/4"=84' 5"
78	{d6" 6'		{d1"=80' 5"
79	{d6" 5'		{d3/4"=14' 5"
80	{d6" 45' 6'		{d3/4"=52' 5"
81	{d6" 20' 6'		{d3/4"=90' 5"
82	{d6" 7'		{d1"=70' 5"
83	{d6" 20' 4'		{d3/4"=14' 70' 5"
84	{d6" 5'		{d3/4"=78' 5"
85	{d6" 6' 6'		{d3/4"=58' 5"
86	{d6" 7'		{d1"=80' 5"
87	{d6" 9' 4'		{d3/4"=14' 80' 5"
88	{d6" 3'		{d3/4"=116' 5"
89	{d6" 75' 4'		{d3/4"=60' 5"
90	{d6" 5'		{d1"=60' 5"
91	{d6" 72' 5'		{d3/4"=14' 60' 5"
92	{d6" 6'		{d3/4"=70' 5"
93	{d6" 74' 5'		{d3/4"=69' 5"
94	{d6" 6'		{d1"=36' 5"
95	{d6" 5'		{d3/4"=74' 36' 5"
96	{d6" 49' 6'		{d3/4"=51' 5"

PLAN
Scale: 1"=50'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Don F. Nummy
DIRECTOR OF PUBLIC WORKS

Michael S. Ray
CHIEF, BUREAU OF ENGINEERING

Richard M. Benner
CHIEF, BUREAU OF UTILITIES

DATE: 8-29-85

CHIEF, LAND DEVELOPMENT DIVISION

THE RIEMER GROUP, INC.
3105 HEALTH PARK DRIVE
ELLCOTT CITY, MARYLAND 21043

Patrick C. Jennings II
PATRICK C. JENNINGS II

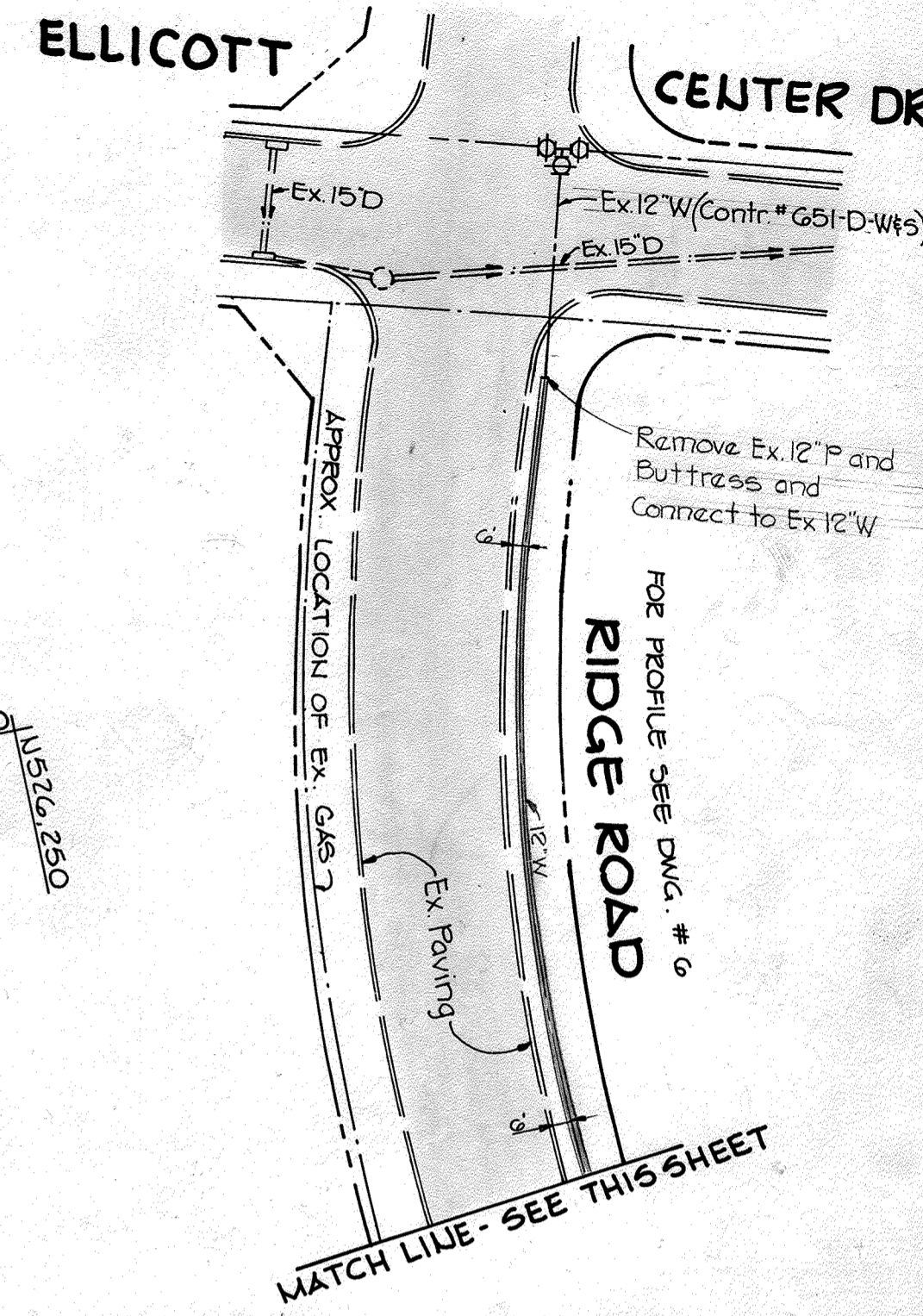
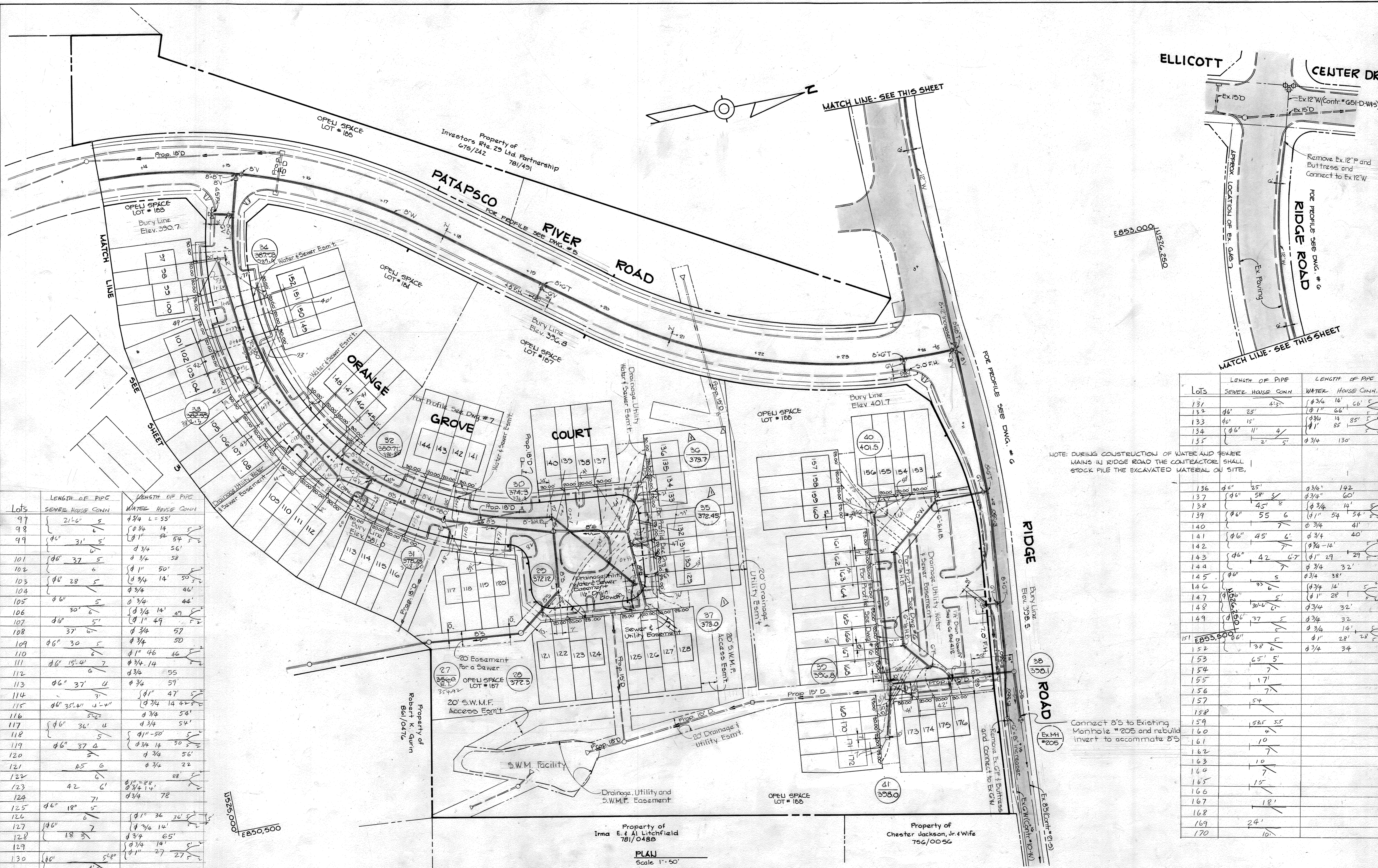
DATE: 3-12-85

DES: D.A.M.					
DRN: W.C.W.					
CHK: L.J.D.					
DATE: 3-12-85	BY: NO.	REVISION	DATE	600' SCALE MAP NO. 24	BLOCK NO.

PLAN OF A
WATER AND SEWER MAIN

RIVER MILLS - SECTION ONE
ELECTION DISTRICT NO. 2
CONTRACT NO. 14-1349-D

SCALE AS SHOWN
SHEET 3 OF 8



Lots	LENGTH OF PIPE		LENGTH OF PIPE	
	SEWER	HOUSE CONN.	WATER	HOUSE CONN.
97	21'-6"	5'	ø 3/4"	L=55'
98	ø 6"	31'	ø 3/4"	14'
99	ø 6"	31'	ø 3/4"	54'
101	ø 6"	37'	ø 3/4"	58'
102	ø 6"	6'	ø 1"	50'
103	ø 6"	28'	ø 3/4"	14'
104	ø 6"	5'	ø 3/4"	46'
105	ø 6"	5'	ø 3/4"	44'
106	ø 6"	30'	ø 3/4"	14'
107	ø 6"	5'	ø 1"	49'
108	ø 6"	37'	ø 3/4"	57'
109	ø 6"	30'	ø 3/4"	50'
110	ø 6"	6'	ø 1"	46'
111	ø 6"	15'-4"	ø 3/4"	14'
112	ø 6"	6'	ø 3/4"	55'
113	ø 6"	37'	ø 3/4"	59'
114	ø 6"	3'	ø 1"	47'
115	ø 6"	35'-4"	ø 3/4"	14'
116	ø 6"	5'-2"	ø 3/4"	54'
117	ø 6"	36'	ø 3/4"	54'
118	ø 6"	5'	ø 1"	50'
119	ø 6"	37'	ø 3/4"	50'
120	ø 6"	5'	ø 3/4"	56'
121	ø 6"	45'	ø 3/4"	22'
122	ø 6"	6'	ø 1"	36'
123	ø 6"	42'	ø 3/4"	14'
124	ø 6"	71'	ø 3/4"	78'
125	ø 6"	18"	ø 1"	36'
126	ø 6"	6'	ø 3/4"	14'
127	ø 6"	7'	ø 3/4"	65'
128	ø 6"	18'	ø 3/4"	14'
129	ø 6"	5'-8"	ø 1"	27'
130	ø 6"	4'-3"	ø 1"	27'

Lots	LENGTH OF PIPE		LENGTH OF PIPE	
	SEWER	HOUSE CONN.	WATER	HOUSE CONN.
131	ø 6"	4'-3"	ø 3/4"	14'
132	ø 6"	25'	ø 1"	66'
133	ø 6"	15'	ø 3/4"	14'
134	ø 6"	11'	ø 1"	85'
135	ø 6"	2'-5"	ø 3/4"	130'

NOTE: DURING CONSTRUCTION OF WATER AND SEWER MAINS IN RIDGE ROAD THE CONTRACTOR SHALL STOCK PILE THE EXCAVATED MATERIAL ON SITE.

136	ø 6"	25'	ø 3/4"	142'
137	ø 6"	58'	ø 3/4"	60'
138	ø 6"	45'	ø 3/4"	14'
139	ø 6"	55'	ø 1"	54'
140	ø 6"	5'	ø 3/4"	41'
141	ø 6"	45'	ø 3/4"	40'
142	ø 6"	7'	ø 3/4"	14'
143	ø 6"	42'	ø 1"	29'
144	ø 6"	7'	ø 3/4"	32'
145	ø 6"	5'	ø 3/4"	38'
146	ø 6"	33'	ø 3/4"	14'
147	ø 6"	30'-6"	ø 1"	28'
148	ø 6"	30'-6"	ø 3/4"	32'
149	ø 6"	37'	ø 3/4"	14'
151	ø 6"	38'	ø 1"	28'
152	ø 6"	38'	ø 3/4"	34'
153	ø 6"	65'	ø 3/4"	5'
154	ø 6"	7'	ø 3/4"	14'
155	ø 6"	17'	ø 3/4"	14'
156	ø 6"	7'	ø 3/4"	14'
157	ø 6"	54'	ø 3/4"	14'
158	ø 6"	7'	ø 3/4"	14'
159	ø 6"	53'-5"	ø 3/4"	14'
160	ø 6"	4'	ø 3/4"	14'
161	ø 6"	10'	ø 3/4"	14'
162	ø 6"	7'	ø 3/4"	14'
163	ø 6"	10'	ø 3/4"	14'
164	ø 6"	7'	ø 3/4"	14'
165	ø 6"	15'	ø 3/4"	14'
166	ø 6"	18'	ø 3/4"	14'
167	ø 6"	18'	ø 3/4"	14'
168	ø 6"	18'	ø 3/4"	14'
169	ø 6"	24'	ø 3/4"	14'
170	ø 6"	10'	ø 3/4"	14'

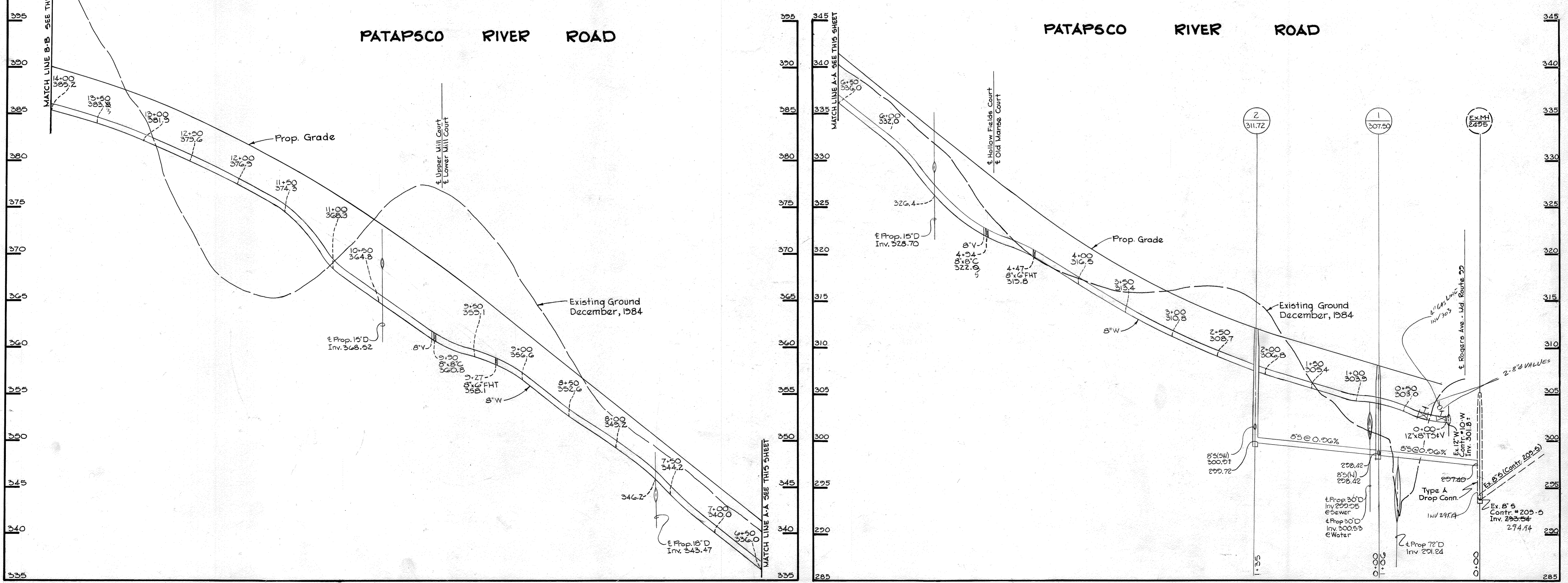
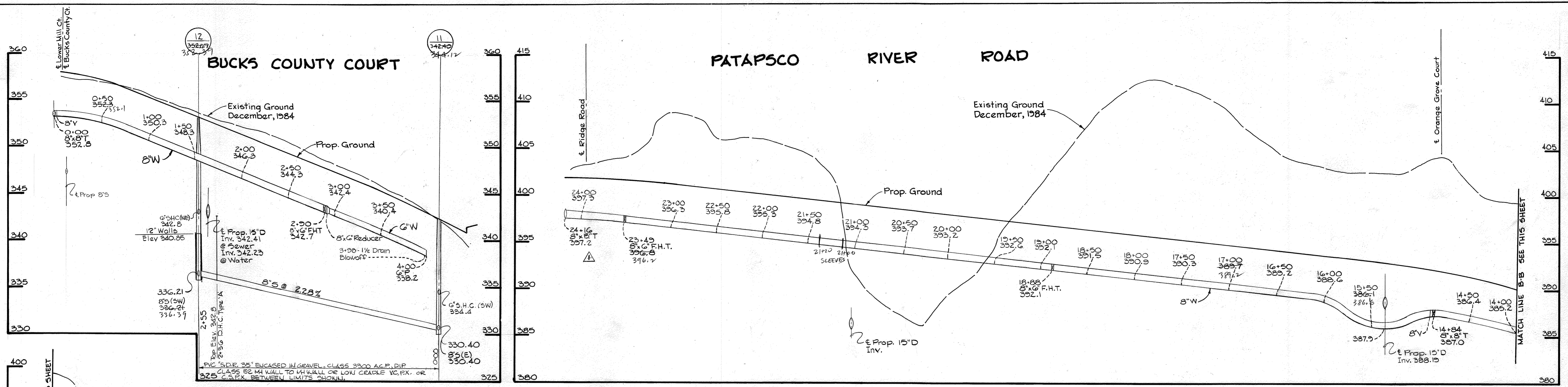
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director: *Donna Neuman* 8-29-85
 Chief, Bureau of Engineering: *Patrick C. Jennings* 8-30-85
 Chief, Bureau of Utilities: *Blith Berman* 8-29-85
 Chief, Land Development Division: *Patrick C. Jennings* 8-30-85

THE RIEMER GROUP, INC.
 3105 HEALTH PARK DRIVE
 ELLICOTT CITY, MARYLAND 21043
 Patrick C. Jennings II

DES: D.A.M.
 DRN: W.C.W.
 CHK: L.J.D.
 DATE: 8-12-85
 BY: NO. REVISION
 REVISION: REVISED LOCATIONS OF MHS 35, 36 & 37
 DATE: 6-28-87

PLAN OF A
 WATER AND SEWER MAIN
 600' SCALE MAP NO. 24 BLOCK NO.

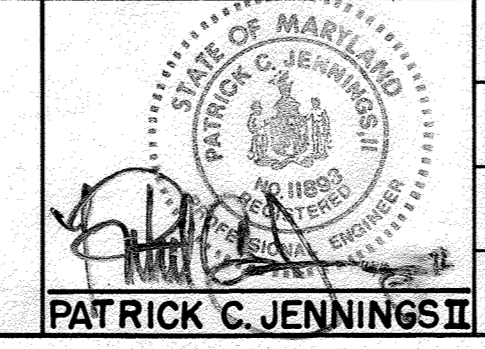
RIVER MILLS-SECTION ONE
 ELECTION DISTRICT NO. 2
 CONTRACT NO. 14-1349-D
 SCALE AS SHOWN
 SHEET 4 OF 8
 AUGUST 2, 1985



PROFILES SCALE: HORIZ.-1"=50' VERT.-1"=5'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: *Walter J. ...* DATE: 8-29-85
 Chief, Bureau of Utilities: *...* DATE: ...

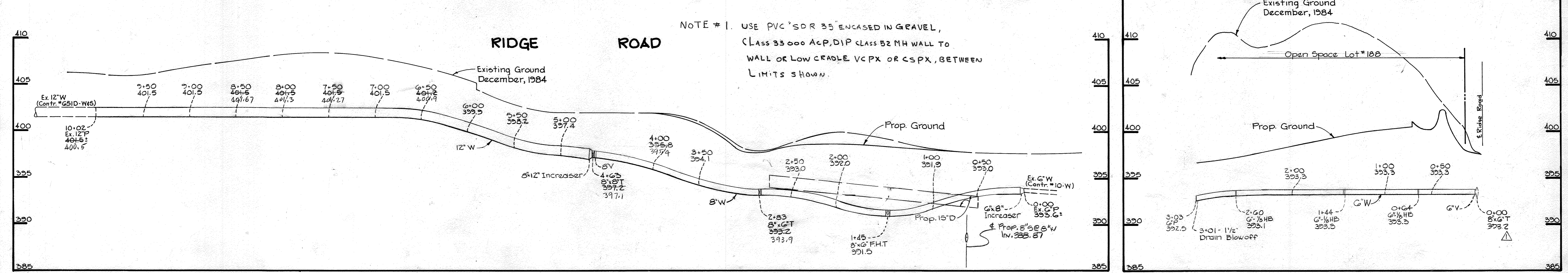
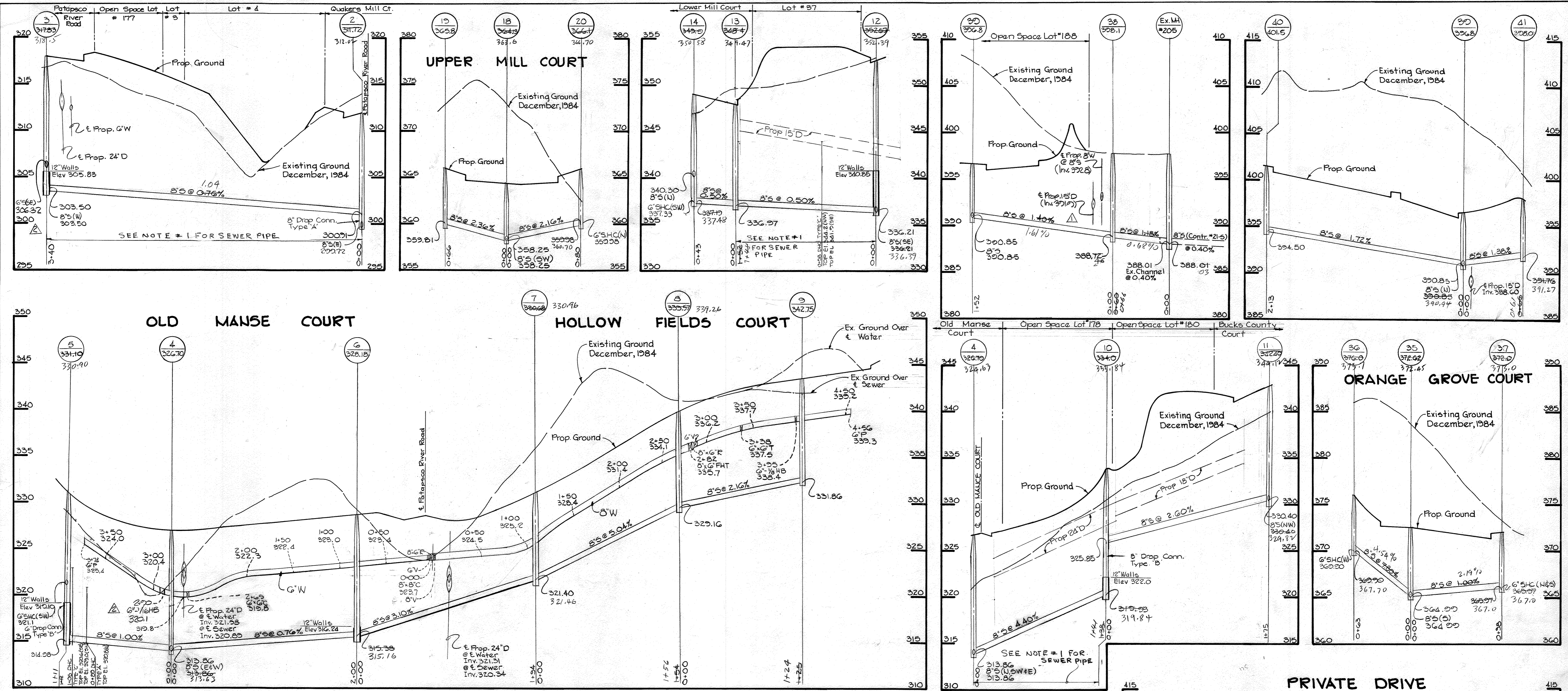
THE RIEMER GROUP, INC.
 3105 HEALTH PARK DRIVE
 ELLICOTT CITY, MARYLAND 21043



DES: D.A.M	DATE: 3-12-85
DRN: W.C.W	BY: NO.
CHK: L.U.D	REVISION
CHANGED INVERT OF 8" x 8" T & 8" x 6" C AT THE INTERSECTION OF RIDGE ROAD AND PATAPSCO RIVER ROAD	

PROFILE OF A
 WATER AND SEWER MAIN

RIVER MILLS-SECTION ONE
 ELECTION DISTRICT NO. 2
 CONTRACT NO. 14-1349-D
 SCALE AS SHOWN
 SHEET 5 OF 8
 AS BUILT 12/04/86 AM AUGUST 9, 1985



NOTE # 1. USE PVC SDR 35 ENCASED IN GRAVEL,
 CLASS 33000 ACP, DIP CLASS 52 MH WALL TO
 WALL OR LOW CRADLE VCPX OR CSPX, BETWEEN
 LIMITS SHOWN.

PROFILES SCALE: HORIZ. 1" = 50'
 VERT. 1" = 5'

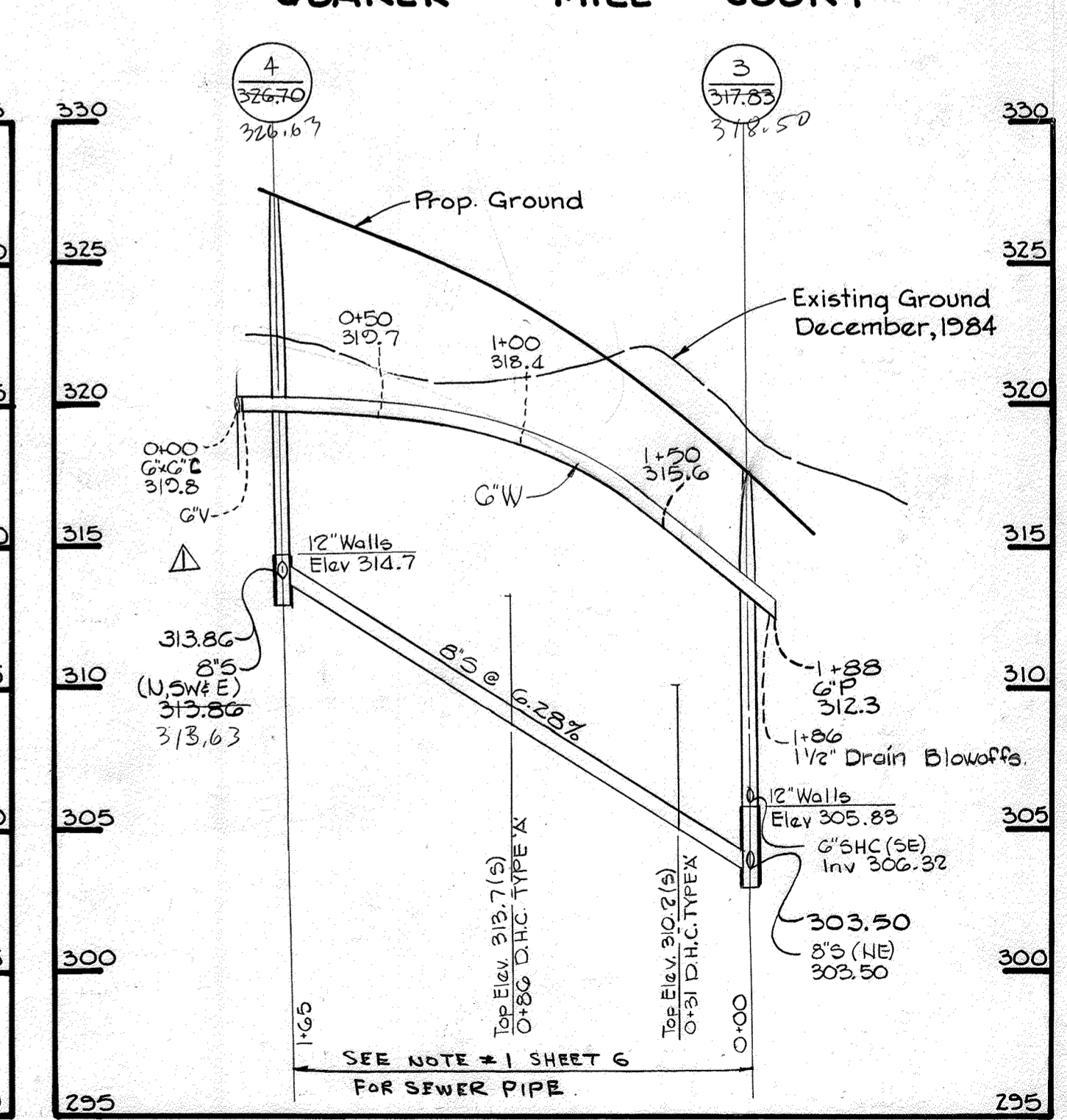
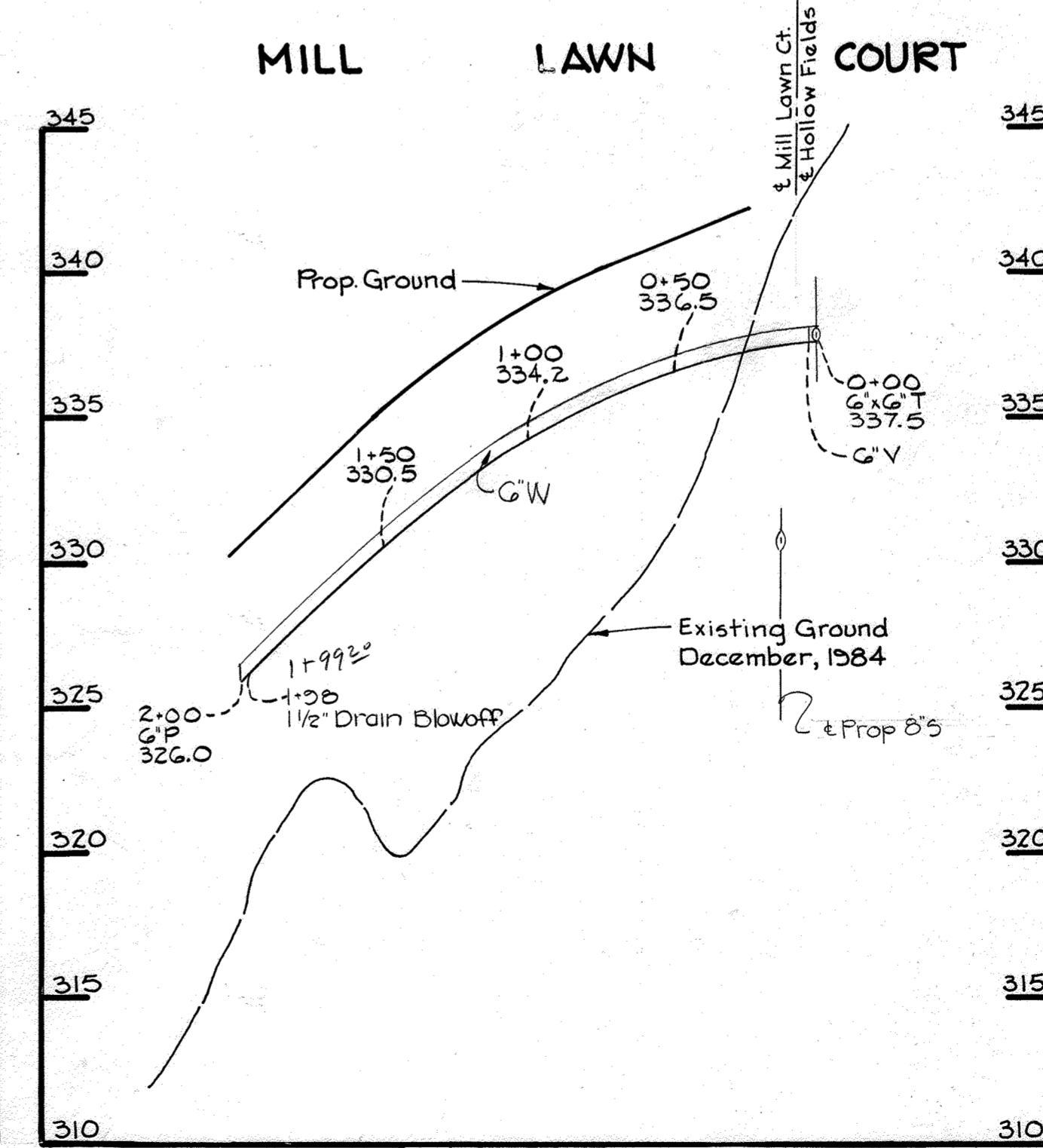
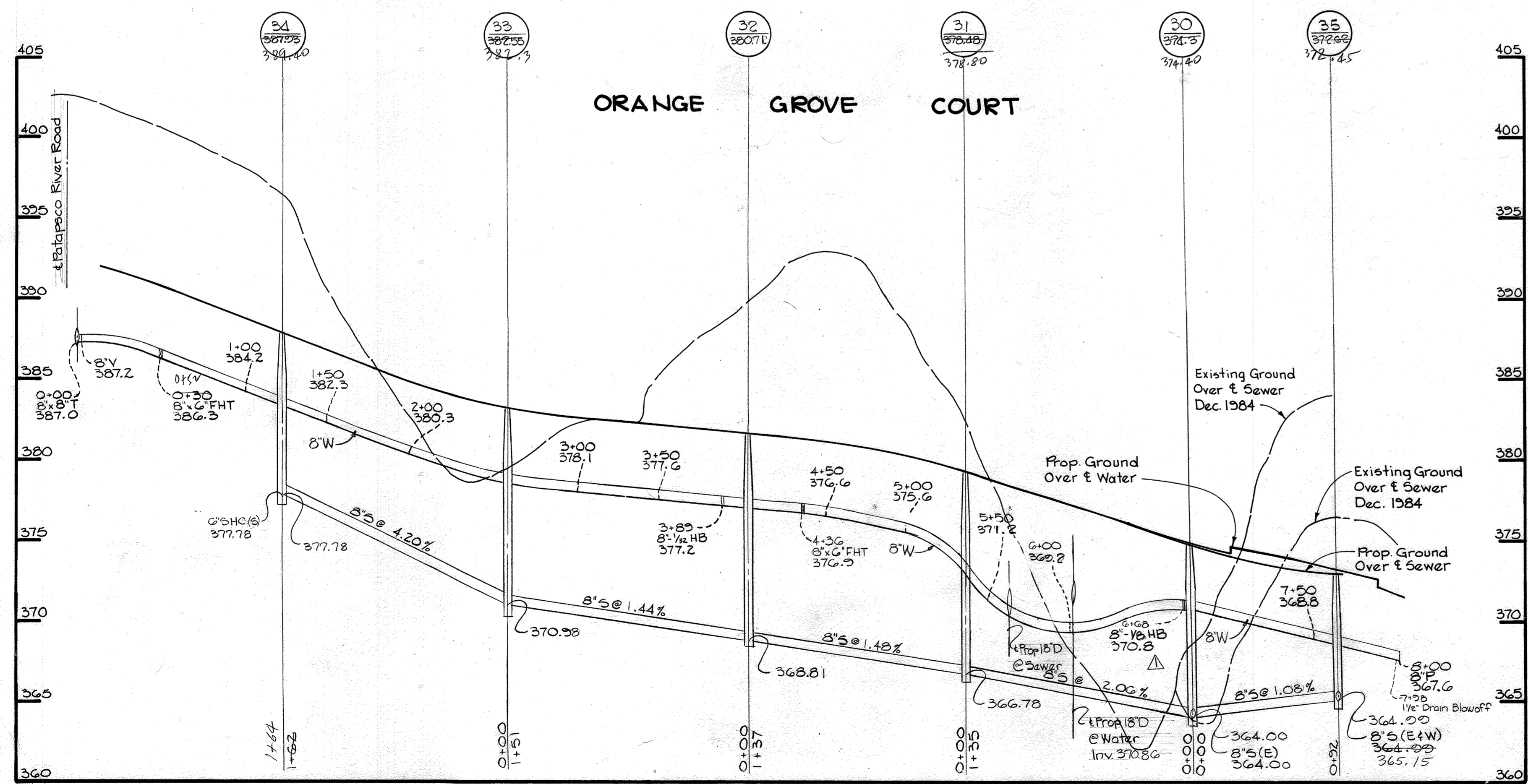
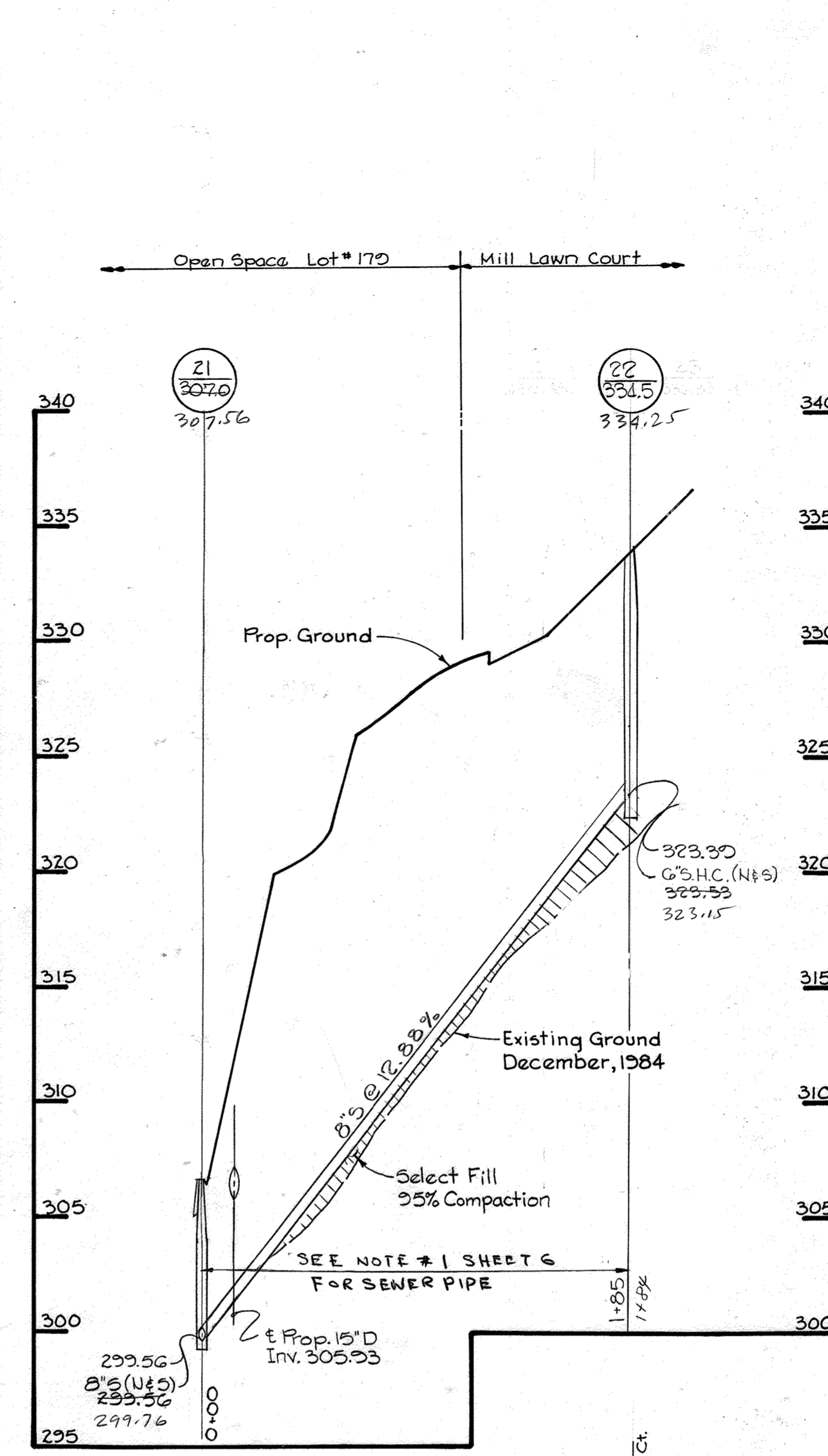
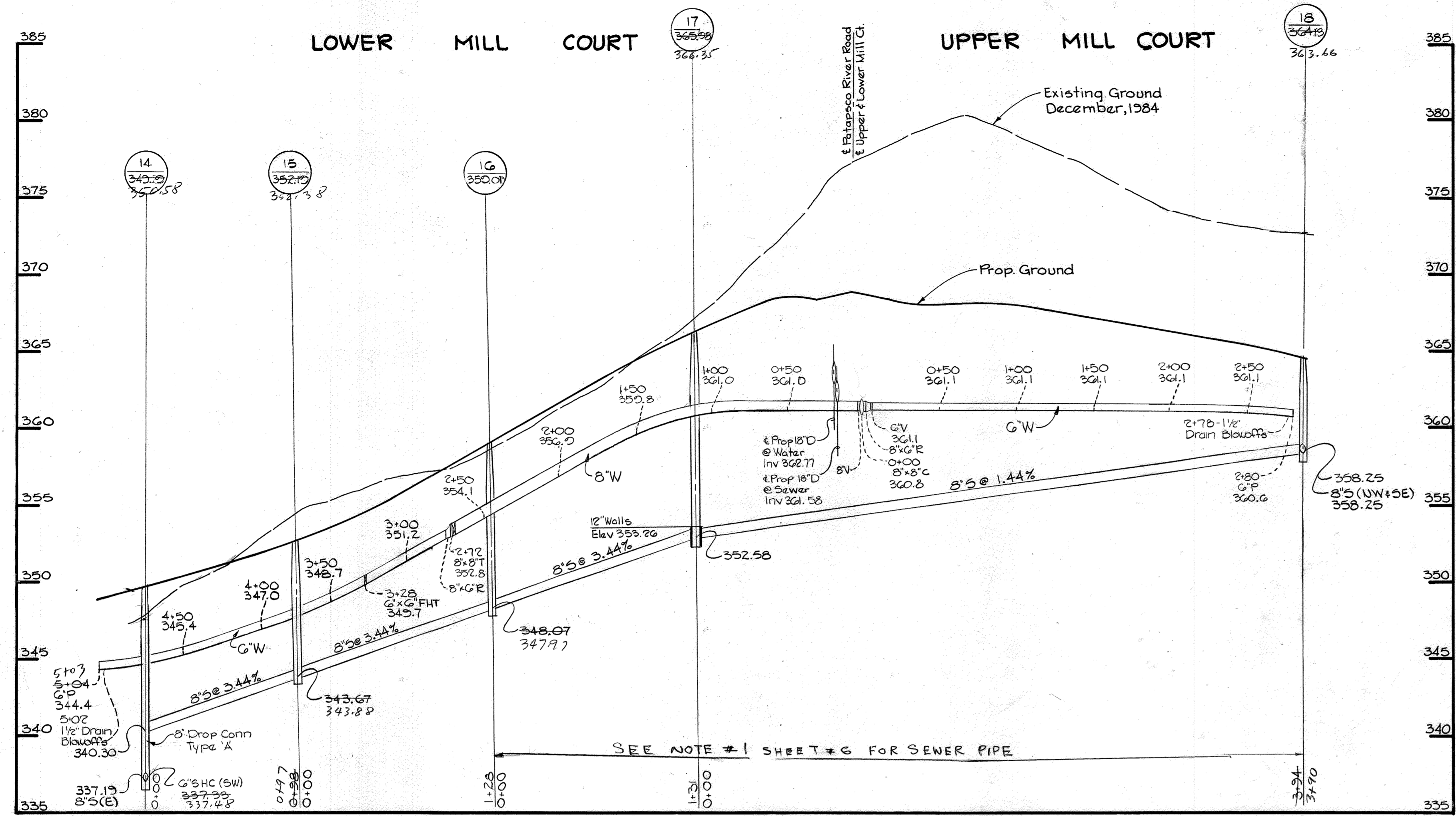
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director: *Steve Nemy* 8-29-85
 Chief, Bureau of Engineering: *Patrick C. Jennings* 8-29-85
 Chief, Land Development Division: *Patrick C. Jennings* 8-29-85

THE RIEMER GROUP, INC.
 3105 HEALTH PARK DRIVE
 ELLICOTT CITY, MARYLAND 21043
 Patrick C. Jennings II

DES: D.A.M.	DATE: 3-12-85
DRN: WCW	BY: NO.
CHK: L.J.D.	NO.

PROFILE OF A
 WATER AND SEWER MAIN

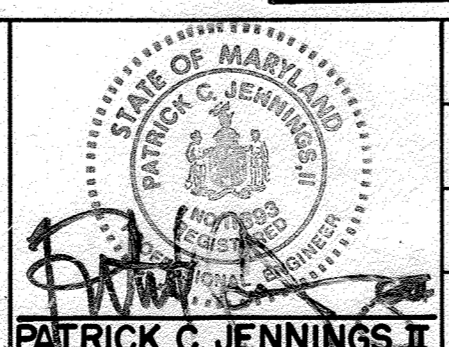
SCALE AS SHOWN
 SHEET 6 OF 8
 RIVER MILLS-SECTION ONE
 ELECTION DISTRICT NO. 2
 CONTRACT NO. 14-1349-D
 AUGUST 9, 1985



PROFILES SCALE: HORIZ. 1" = 50' VERT. 1" = 5'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works
 Chief, Bureau of Utilities

THE RIEMER GROUP, INC.
 3105 HEALTH PARK DRIVE
 ELLICOTT CITY, MARYLAND 21043

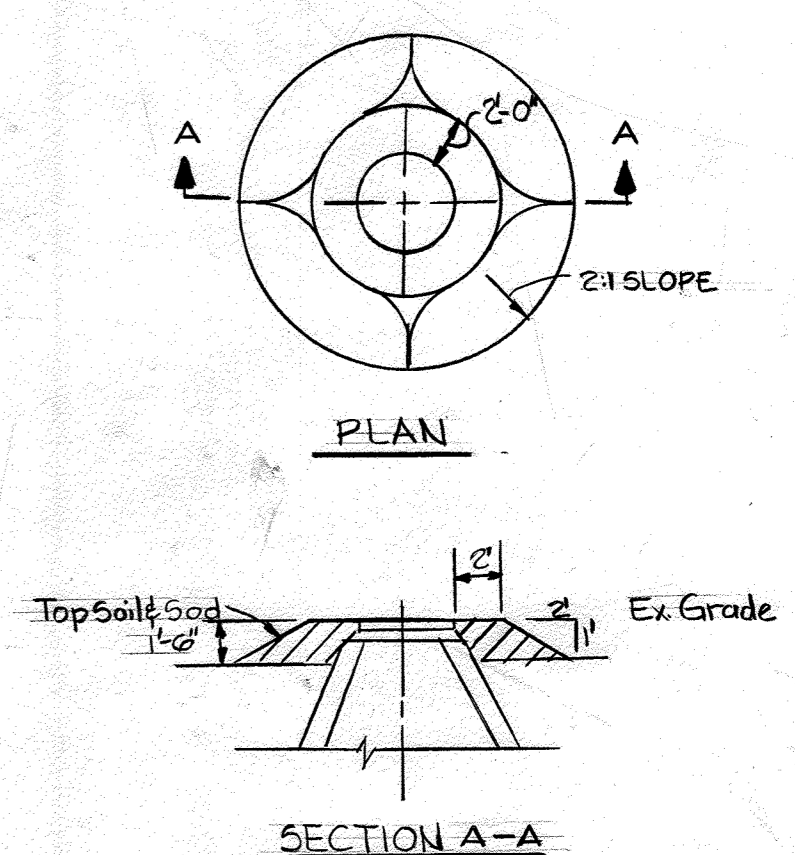
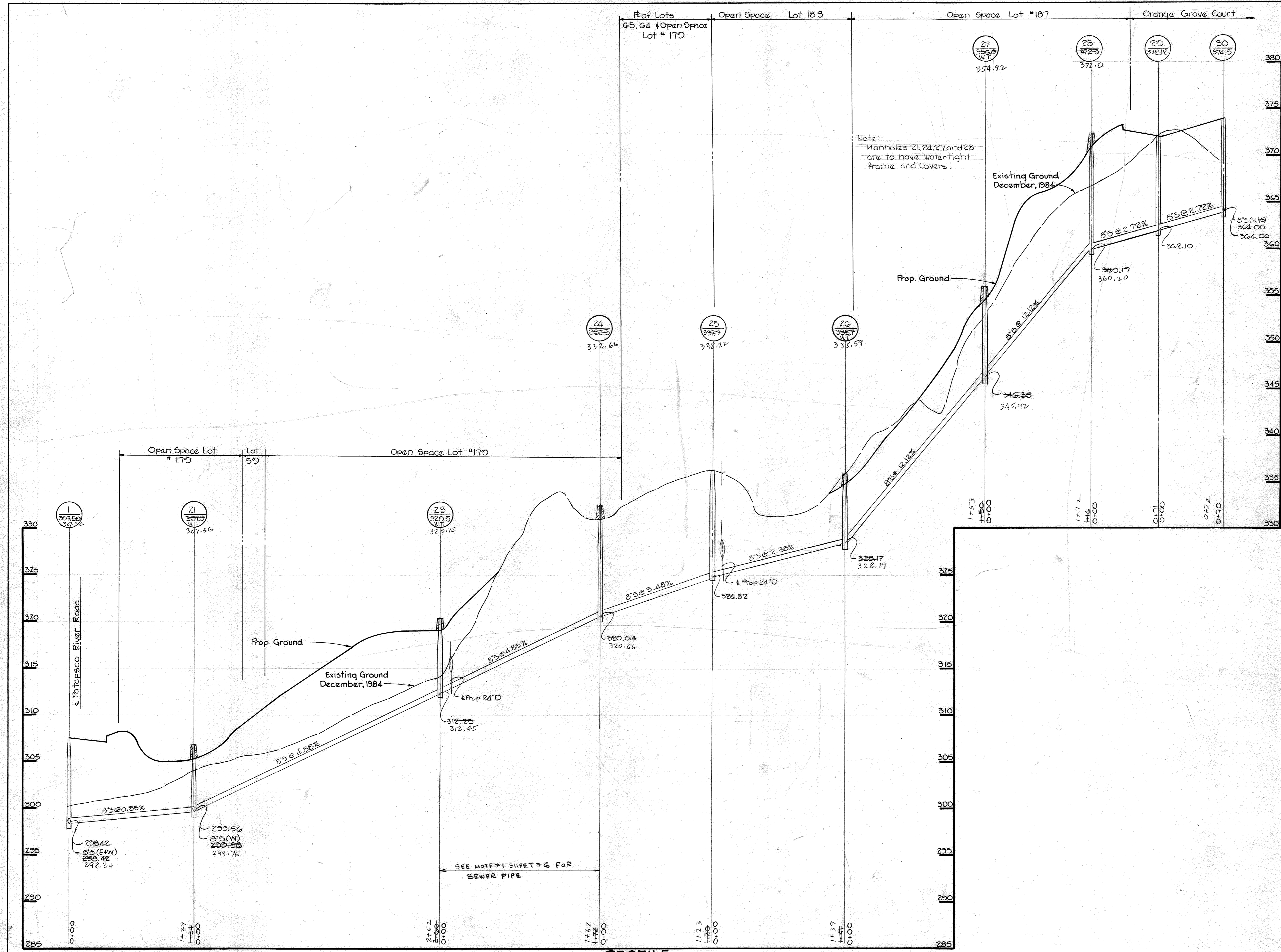


DES: D.A.M.	DATE: 3-12-85
DRN: W.C.W.	BY: NO.
CHK: L.J.D.	REVISION
CHANGED V.I.G.H.S. TO V.I.H.B. AT STA. 312 IN ORANGE GROVE CT. CHANGED EXIST. TO 8" @ 1.44% IN QUAKER MILL CT.	

PROFILE OF A
 WATER AND SEWER MAIN

RIVER MILLS - SECTION ONE
 ELECTION DISTRICT NO. 2
 CONTRACT NO. 14-1349-D

SCALE AS SHOWN
 SHEET 7 OF 8



Notes:
 1) All manhole frame and covers shall be flush with grade except when shown on Profile to be set higher than grade.
 2) Manhole frame and covers to be higher than grade shall be set in accordance with this detail.
 3) Manhole frames and covers to set higher than 1' 6" shall be set as noted on Profile and in accordance with this Detail.

FILL AROUND MH'S 21, 23, 24, 26, 27 & 28
 NO SCALE

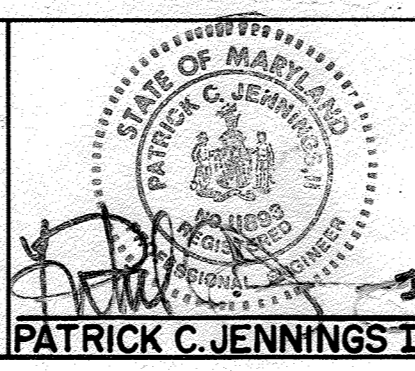
PROFILE
 Horiz. 1" = 50'
 Scale Vert. 1" = 5'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Walter Nummy
 DIRECTOR OF PUBLIC WORKS
 DATE: 8-30-85

Patrick C. Jennings II
 CHIEF, LAND DEVELOPMENT DIVISION
 DATE: 8-29-85

THE RIEMER GROUP, INC.
 3105 HEALTH PARK DRIVE
 ELLICOTT CITY, MARYLAND 21043



DES: DAM					
DRN: WCW					
CHK: L.J.D.					
DATE: 3-12-85	BY	NO.	REVISION	DATE	

**PROFILE OF A
 WATER AND SEWER MAIN**

RIVER MILLS-SECTION ONE
 ELECTION DISTRICT NO. 2
 CONTRACT NO. 14-1349-D

SCALE AS SHOWN
 SHEET 8 OF 8