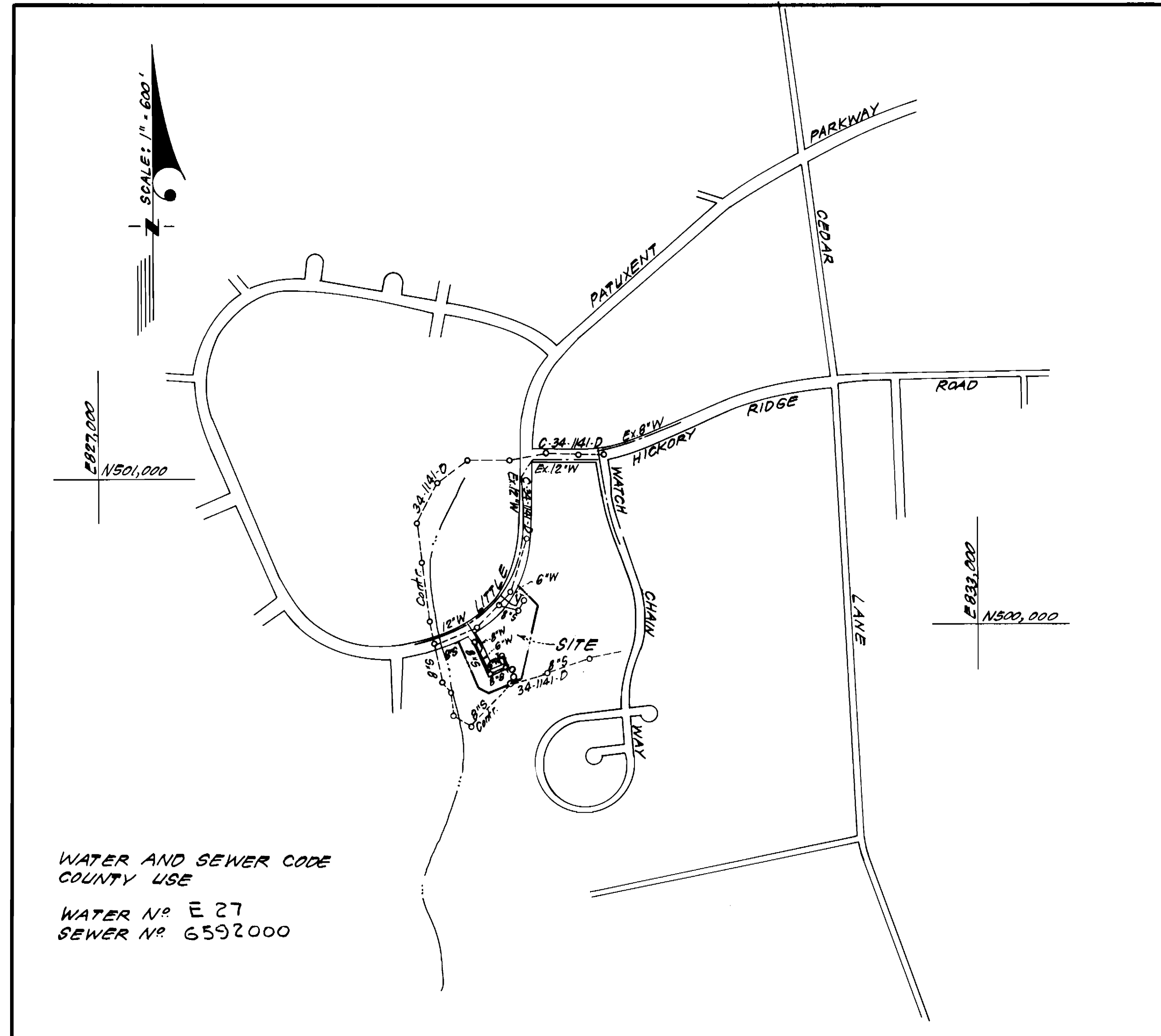


TYPE OF BUILDING	Townhouse
NUMBER OF UNITS	49
NUMBER OF SHC	49
NUMBER OF WHC	49
DRAINAGE AREA	Middle Patuxent



WATER AND SEWER CODE
COUNTY USE
WATER N^o E 27
SEWER N^o 6592000

VICINITY MAP

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 Inspector, at the contractor's expense.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on U.S.G.S. Datum.
- 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. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
- For details not shown on the drawings use Howard County Standard Details.
- For materials and construction methods use Howard County Standard Specifications.
- Contractor shall locate existing utilities a minimum of two (2) weeks in advance of construction operations in the vicinity of proposed utilities at his own expense.
- Contractor shall notify the following utilities or agencies at least five (5) working days before starting work shown on these plans.
 - State Highway Administration - 531-5533
 - Baltimore Gas & Electric Company - Underground Electric Distribution Customer Service - 685-0123
 - Baltimore Gas & Electric Company - Underground Gas Distribution Customer Service - 685-0123
 - Engineering - Damage Control - 234-5621
 - "Miss Utility" - 1-559-0100
 - Chesapeake & Potomac (C & P) Telephone Company - 725-9976
 - American Telephone and Telegraph - Cable Location Division - 393-3553
 - Colonial Pipeline Company - 781-4641
 - Bureau of Utilities Howard County - 992-2366
- 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 Inspector. 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 C.I.P. or D.I.P. unless otherwise noted.
- Top of all water mains to have a minimum of 3'-1/2' 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 Sections 3701 & 3705 of the Standard Specifications.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on the existing system.
- 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.
- Water main and water house connection lines must have a minimum of one foot separation from the sanitary sewer and sewer house connections as they cross. Except at crossings, water and sewer lines shall have a minimum horizontal separation of 10'.
- For all Copper Water House Connections, utilize flared type fittings only.

CONTRACT NO. 34-1171-D
VILLAGE OF HICKORY RIDGE
SECTION 3 AREA 2
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Road Construction Plan E 84-62 - Drawings 3 & 4 Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.
James M. DeLoatch 12-12-83
SIGNATURE DATE

U.S. SOIL CONSERVATION SERVICE
This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED
Howard S.C.D. 12-14-83
DATE

QUANTITIES			
ITEM	ESTM'D	AS-BUILT	MATERIAL/SUPPLIER
8" S	819 LF	770'	Delair Road Supply Co.
8" W	226 LF	206'	Griffin Pipe Products Co.
6" W	472 LF	470'	" " " "
4' Manhole	7 EA	9	Atlantic Precast Concrete Corp.
Fire Hydrant	2 EA	2	Delair Rd Supply Co.
6" (ext. FHY)	1 EA	1	" " " "
3/4" WHC	734 LF	697	" " " "
1" WHC	487 LF	469	" " " "
2" WHC	103 LF	100	" " " "
6" SHC	878 LF	790	" " " "

COLUMBIA
Lots E-1 through E-50, A Resub. of Parcel "E"
VILLAGE OF HICKORY RIDGE
SECTION 3 AREA 2

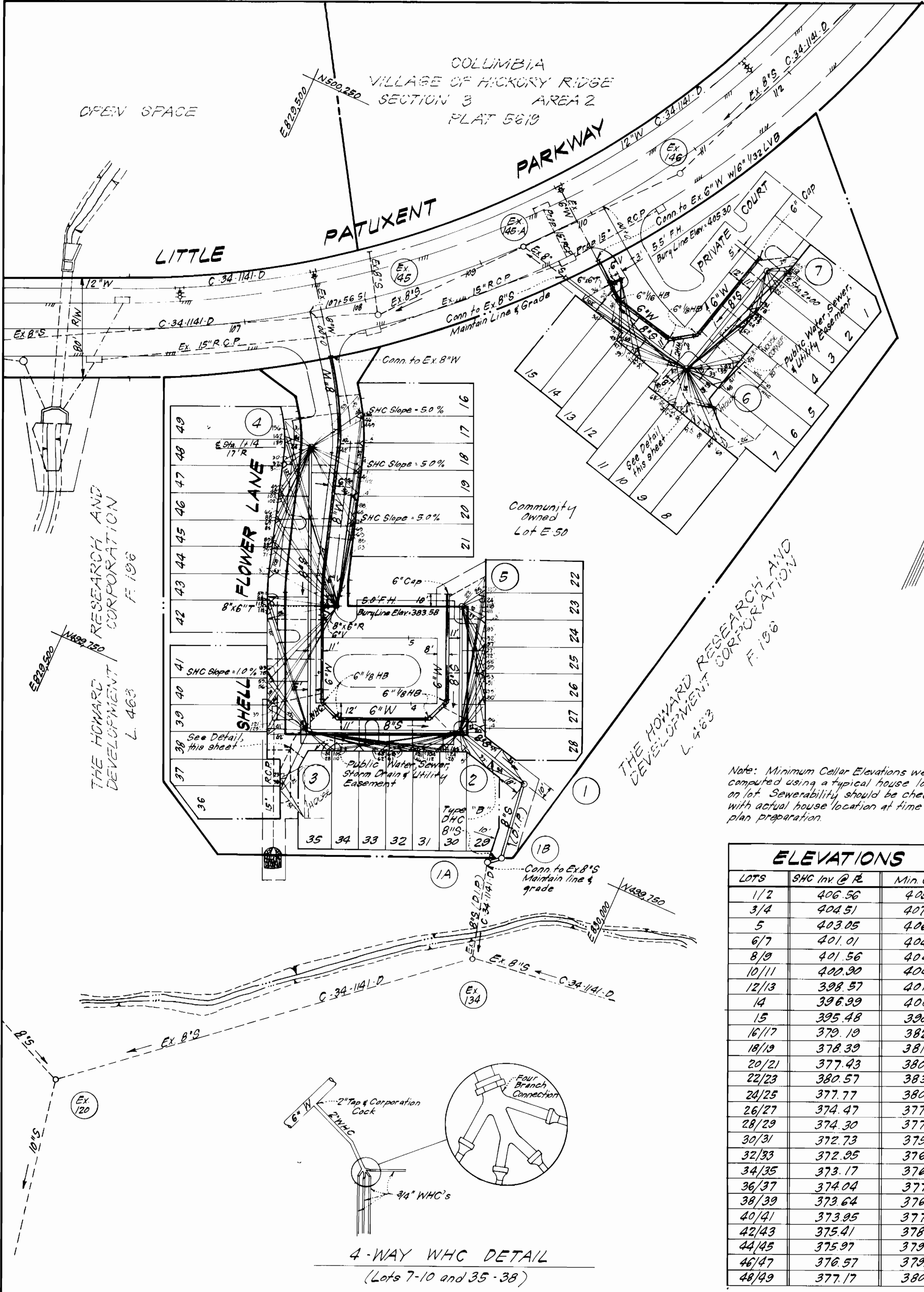
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Clark F. Neimey 12-10-83
DIRECTOR OF PUBLIC WORKS DATE
Chief, Bureau of Engineering
Ruthy B. ... 12-16-83
CHIEF, BUREAU OF UTILITIES DATE
Chief, Land Development Div. DATE

CLARK FINEPROCK & SACKETT
ENGINEERS - PLANNERS - SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
(301) 593-3400

DES: CKG	VLB	1	Revised Vicinity Map to reflect addition of Manholes 1A & 1B as per Ho. Co. comments.	5/25/84
DRN: VLB				
CHK: CKG				
DATE: 10-83	BY	NO.	REVISION	DATE

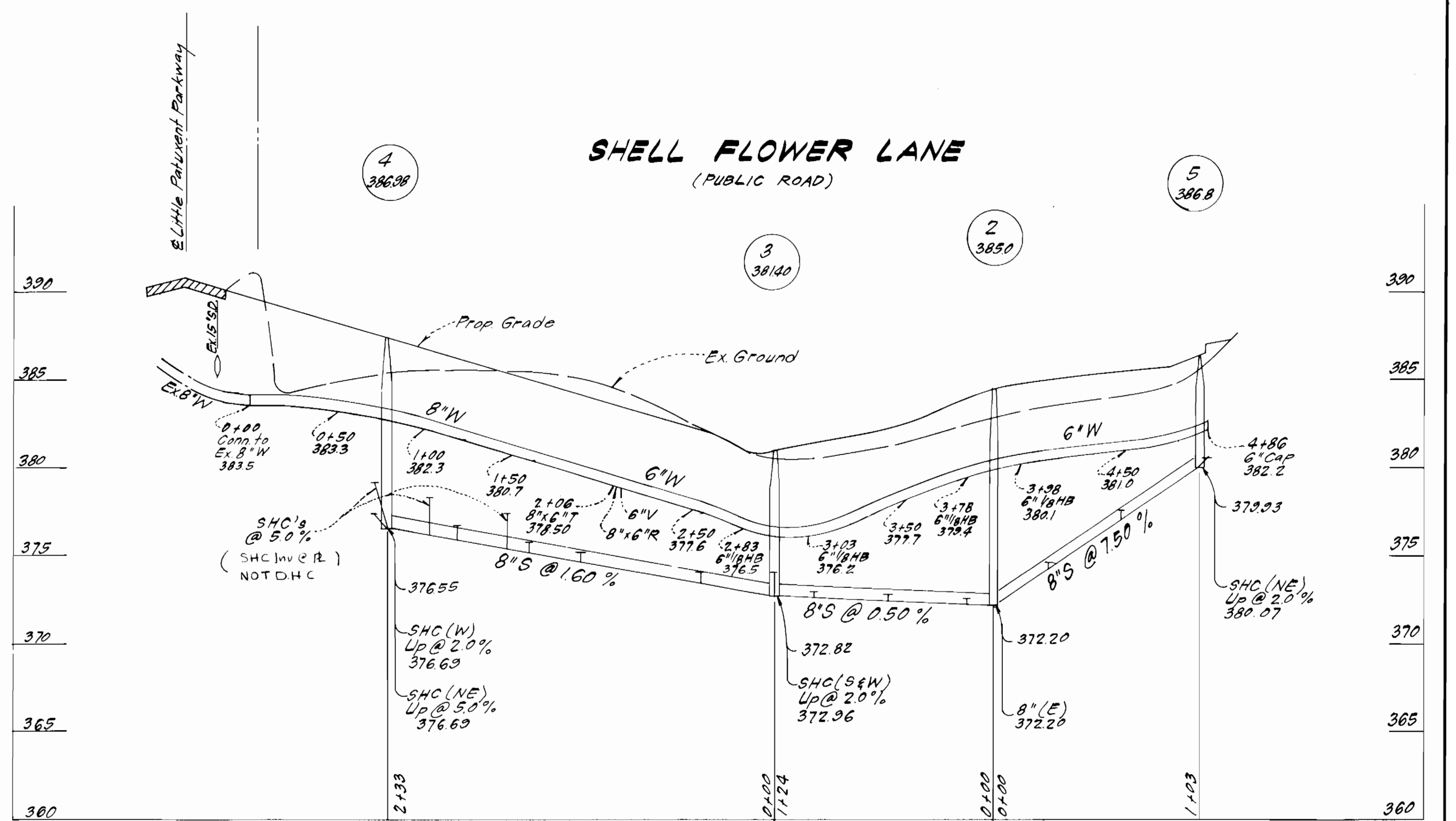
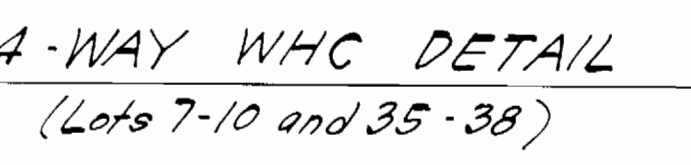
TITLE SHEET
600' SCALE MAP NO. 35 BLOCK NO.

COLUMBIA
VILLAGE OF HICKORY RIDGE
6TH ELECTION DISTRICT
CONTRACT NO. 34-1171-D
SCALE 1" = 600'
SHEET 1 OF 2

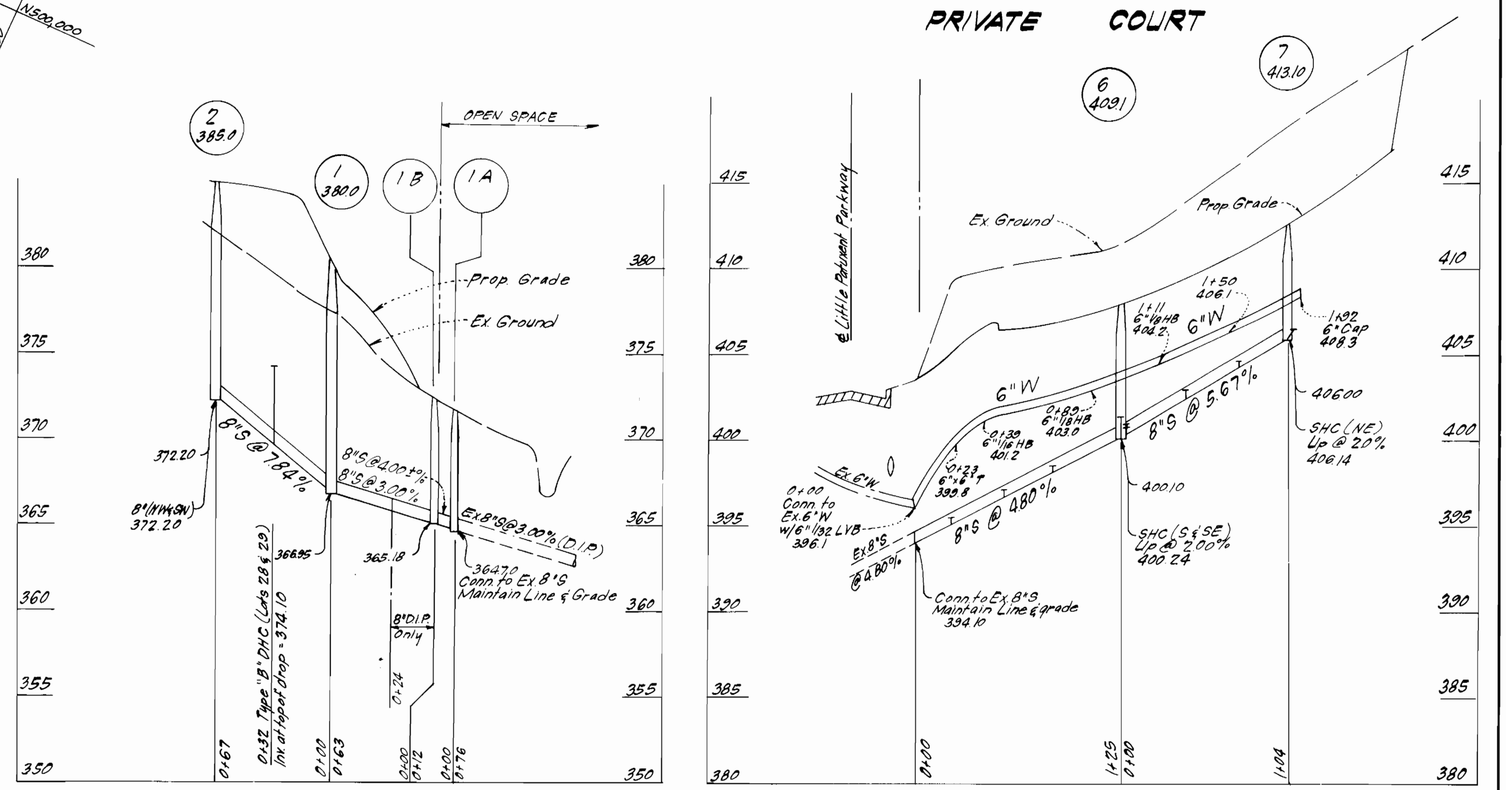


ELEVATIONS

LOTS	SHC Inv @ R.E.	Min. Cellar
1/2	406.56	408.7
3/4	404.51	407.6
5	403.05	406.2
6/7	401.01	404.1
8/9	401.56	404.7
10/11	400.90	404.0
12/13	398.57	401.7
14	396.99	400.1
15	395.48	398.0
16/17	379.19	382.3
18/19	378.39	381.5
20/21	377.43	380.5
22/23	380.57	383.7
24/25	377.77	380.9
26/27	374.47	377.6
28/29	374.30	377.3
30/31	372.73	375.8
32/33	372.95	376.1
34/35	373.17	376.3
36/37	374.04	377.1
38/39	373.64	376.7
40/41	373.95	377.1
42/43	375.41	378.5
44/45	375.97	379.1
46/47	376.57	379.7
48/49	377.17	380.3



PROFILE SCALE
 Horiz: 1" = 50'
 Vert: 1" = 5'



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: [Signature] 12-16-83
 Chief, Bureau of Engineering: [Signature] [Date]
 Chief, Bureau of Utilities: [Signature] [Date]
 Chief, Land Development Div.: [Signature] [Date]

CLARK - FINEFROCK & SACKETT
 ENGINEERS - PLANNERS - SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
 (301) 593-3400

DES: C.K.G. VLB 1 Provided 2 manholes (1A & 1B) to line up to existing sewer constructed under C-34-1141-D 9/29/83
 DRN: VLB
 CHK: C.K.G.
 DATE: 10-83 BY NO. REVISION DATE 600' SCALE MAP NO. 35 BLOCK NO.

PLAN & PROFILES OF WATER & SEWER MAINS

COLUMBIA VILLAGE OF HICKORY RIDGE
 6TH ELECTION DISTRICT
 CONTRACT NO. 34-1171-D

SCALE AS SHOWN
 SHEET 2 OF 2