

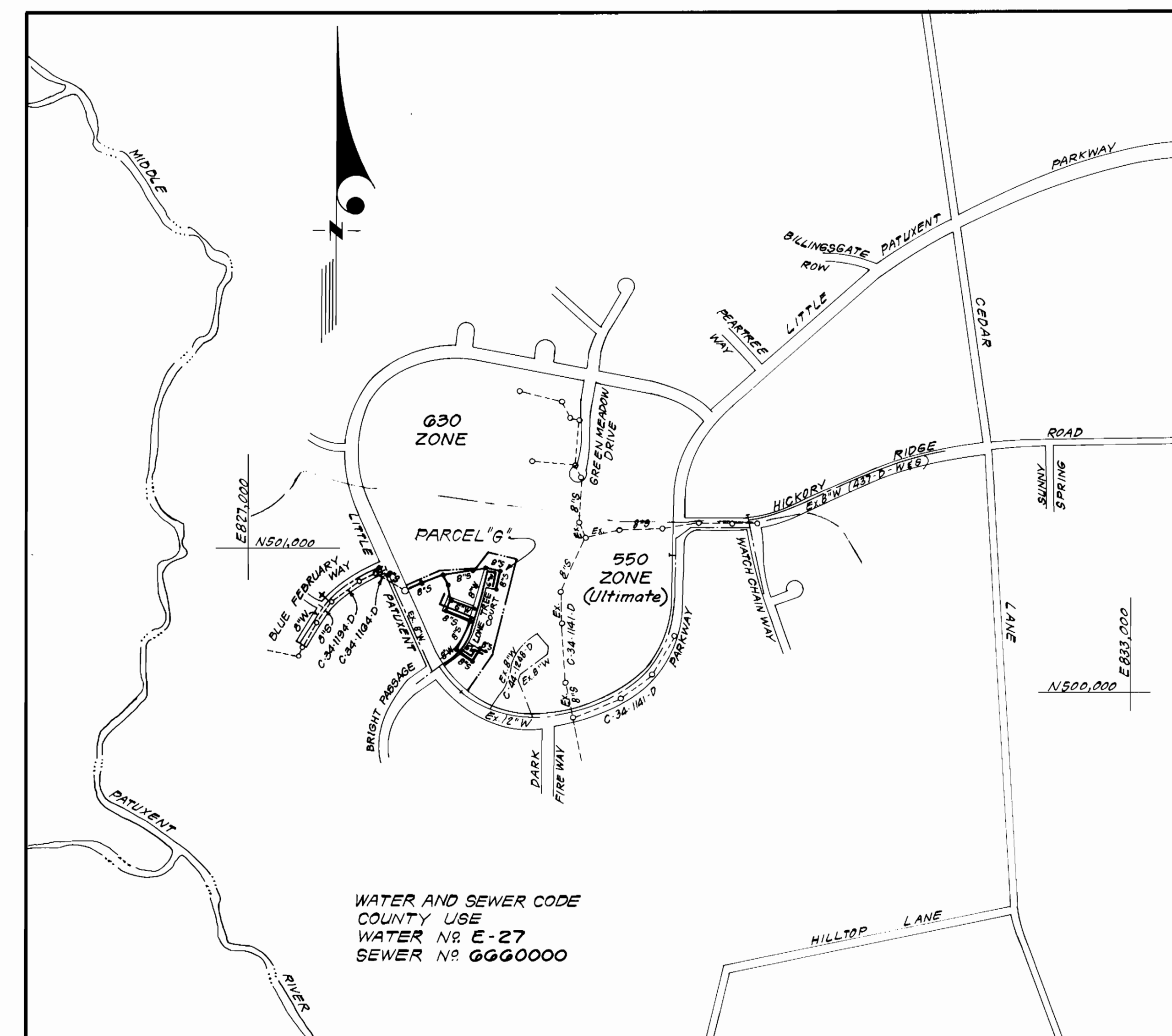
S.H.C. ELEVATIONS

LOT (S)	SHC ELEV. @ E	LOT (S)	SHC ELEV. @ E
6-1	417.7	6-45 / 6-46	414.6
6-2 / 6-3	417.3	6-47 / 6-48	415.3
6-4 / 6-5	417.1	6-49 / 6-50	417.4
6-6	414.3	6-51 / 6-52	419.4
6-7 / 6-8	413.0	6-53 / 6-54	421.6
6-9 / 6-10	411.4	6-55 / 6-56	423.7
6-11	409.9	6-57	423.1
6-12 / 6-13	408.7	6-58 / 6-59	423.2
6-14 / 6-15	406.8	6-60 / 6-61	419.4
6-16 / 6-17	407.1	6-62 / 6-63	419.7
6-18	406.9	6-64 / 6-65	416.7
6-19	406.0	6-66 / 6-67	416.9
6-20 / 6-21	405.0	6-68	428.4
6-22 / 6-23	403.0	6-69 / 6-70	428.7
6-24 / 6-25	405.0	6-71 / 6-72	429.4
6-26 / 6-27	407.6	6-73	427.1
6-28 / 6-29	410.2	6-74 / 6-75	425.5
6-30 / 6-31	412.8	6-76 / 6-77	423.6
6-32 / 6-33	418.2	6-78 / 6-79	422.5
6-34	417.4	6-80 / 6-81	421.7
6-35 / 6-36	416.4	6-82 / 6-83	420.4
6-37 / 6-38	415.3	6-84 / 6-85	419.2
6-39 / 6-40	413.2		
6-41 / 6-42	413.4		
6-43 / 6-44	413.9		

TYPE OF BUILDING	Townhouses
NUMBER OF UNITS	85
NUMBER OF WHC'S	85
NUMBER OF SHC'S	85
DRAINAGE AREA	Middle Patuxent

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 & Ho. Co. Design Manual, Volume II. The contractor shall have a copy of Volume II on the job.
- 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 - Contractor Services 561-2985
 - Customer Service - 685-0123
 - Baltimore Gas & Electric Company - Underground Damage Control 234-5621
 - Baltimore Gas & Electric Company - Trouble Shooting 298-9013
 - "Miss Utility" - 1-559-0100
 - Chesapeake & Potomac (C & P) Telephone Company - 725-9976
 - Colonial Pipeline Company - 795-1390
 - 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 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 Section 10.03 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.
- Manholes designated "WT." in profile shall have watertight frames and covers. See Standard Detail 6552.



VICINITY MAP
SCALE: 1" = 600'

CONTRACT NO. 34-1280 D
VILLAGE OF HICKORY RIDGE
SECTION 3 AREA 6, PARCEL "G"
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 F.05-039; Drawings 3-4, Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.
SIGNATURE: [Signature] DATE: 11-14-84
U.S. SOIL CONSERVATION SERVICE

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

APPROVED:
SIGNATURE: [Signature] DATE: 11-16-84
HOWARD S.C.D.

QUANTITIES			
ITEM	ESTM'D	AS-BUILT	MATERIAL/SUPPLIER
6" WATER	1055 L.F.	1055 L.F.	U.S. PIPE
8" WATER	554 L.F.	554 L.F.	U.S. PIPE
8" SEWER	2414 L.F.	2414 L.F.	ETI/ITT GRINNELL
MANHOLES	18 EA.	18 EA.	ATLANTIC PRECAST CONCRETE
1" WHC	1000 L.F.	1001 L.F.	CAMBRIDGE LEE/M+C SALES
3/4" WHC	1150 L.F.	1150 L.F.	" " " "
6" SHC	1190 L.F.	1190 L.F.	" " " "
6" VALVES (excl. FH)	3 EA.	3 EA.	U.S. PIPE
8" V	1 EA.	1 EA.	U.S. PIPE
1 1/2" Drain	2 EA.	2 EA.	CAMBRIDGE LEE/M+C SALES
FIRE HYDRANTS	3 EA.	3 EA.	SMITH METRO/U.S. PIPE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

11-16-84
DIRECTOR, PUBLIC WORKS

11-16-84
CHIEF, BUREAU OF ENGINEERING

11-16-84
CHIEF, BUREAU OF UTILITIES

11-16-84
CHIEF, LAND DEVELOPMENT DIV.

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

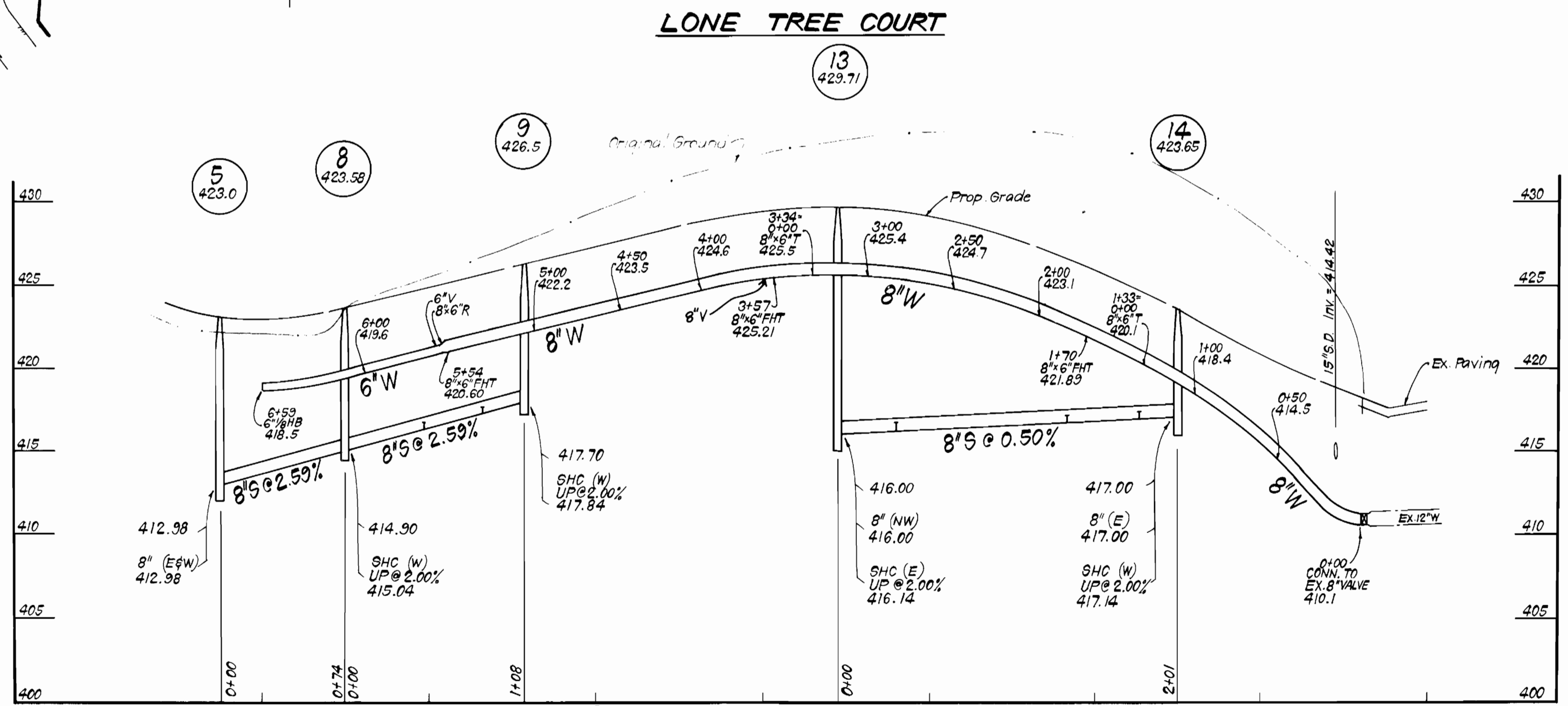
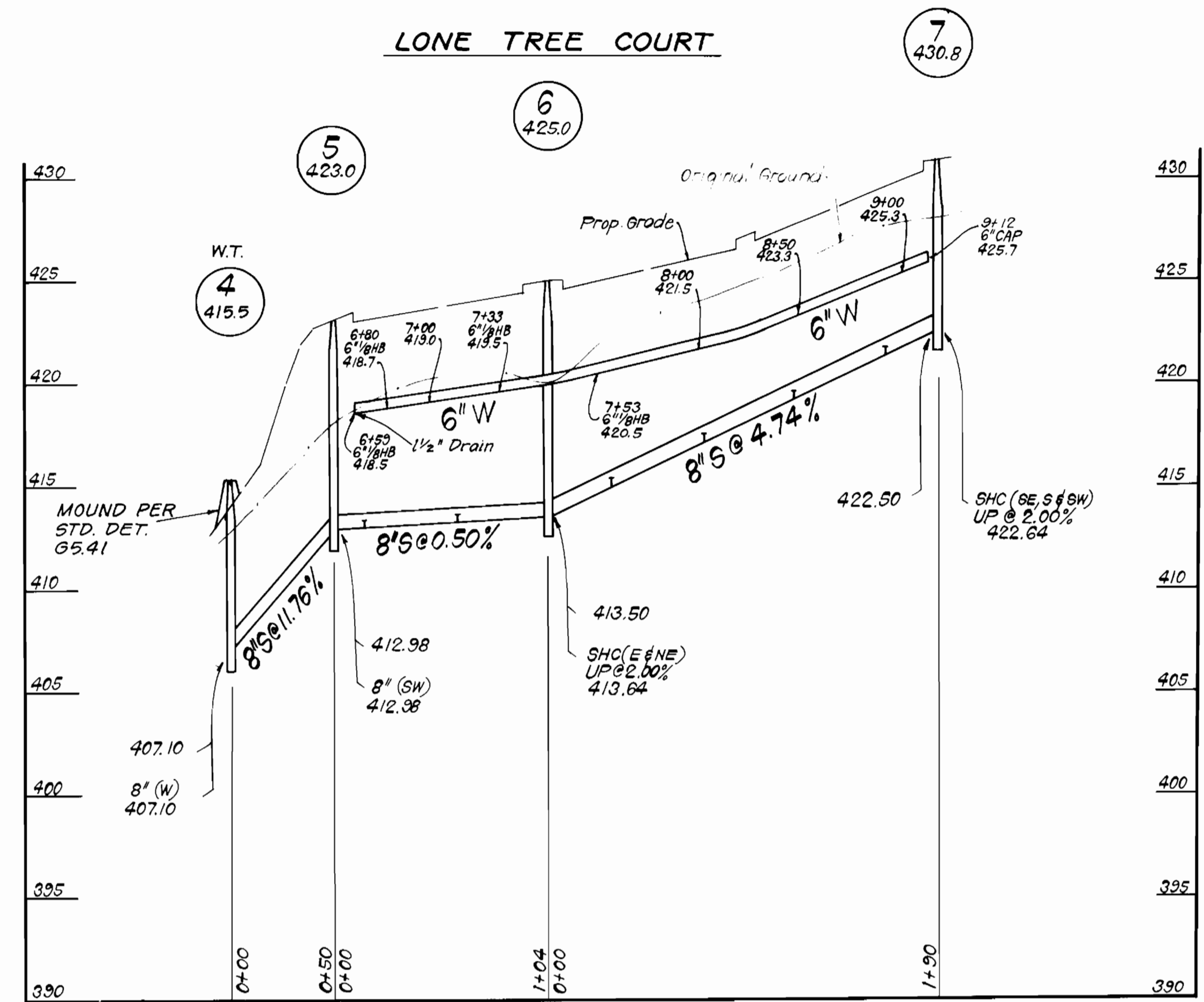
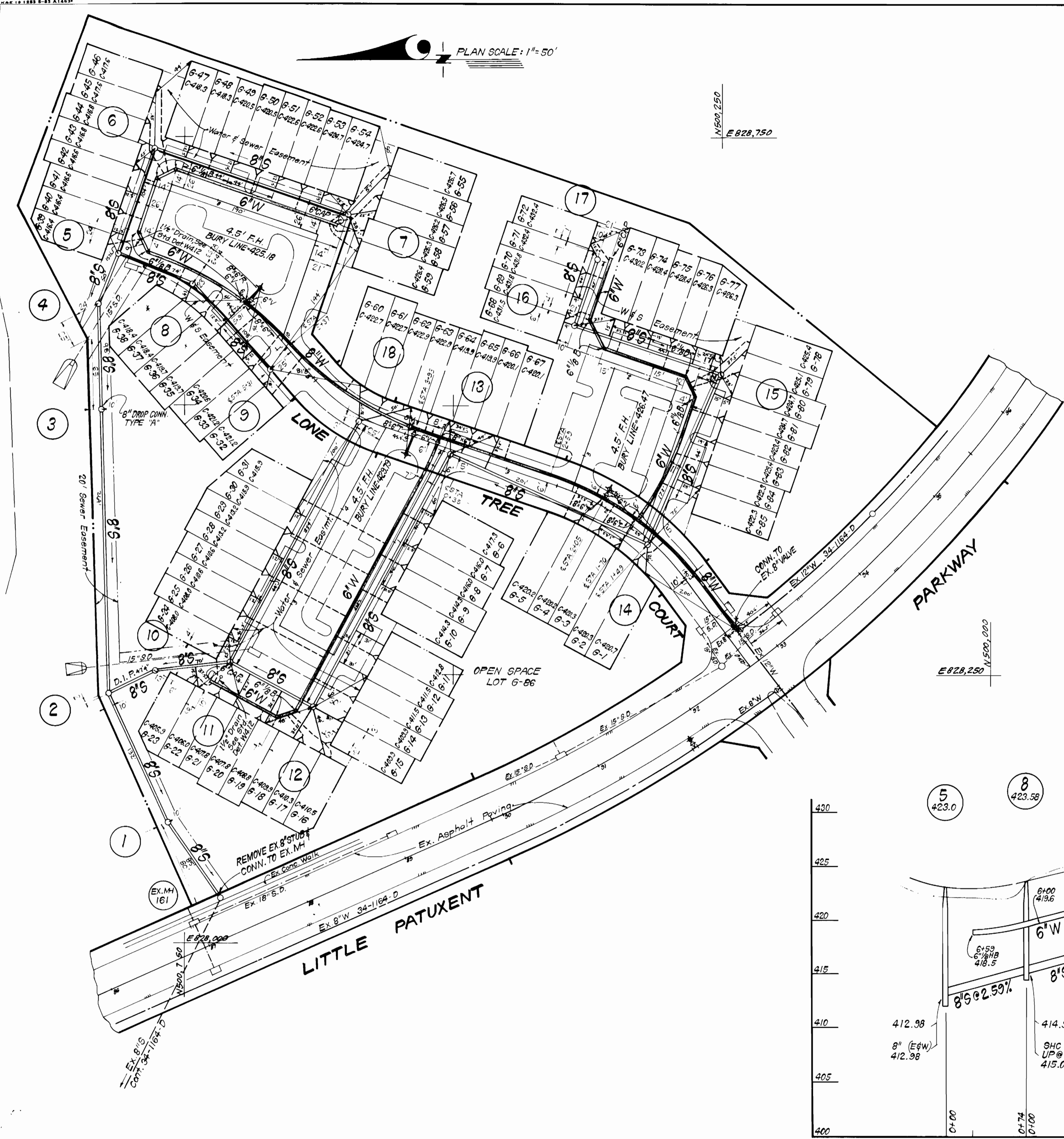
10/84
DATE: 10/84
BY: [Signature]
NO. 1
REVISION: Revised General note 17

DES: CCM			
DRN: CCM			
CHK: CCM			
DATE: 10/84			

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

COLUMBIA, VILLAGE OF HICKORY RIDGE
PARCEL "G", SECTION 3 AREA 6
6TH ELECTION DISTRICT
CONTRACT NO. 34-1280 -D

SCALE
1" = 600'
SHEET
1 OF 3



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director: [Signature] DATE: 11-16-84
Chief, Bureau of Engineering: [Signature] DATE: 11-15-84
Chief, Bureau of Utilities: [Signature] DATE: 11-15-84

CFE CLARK · FINEPROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
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REVISION [Blank]

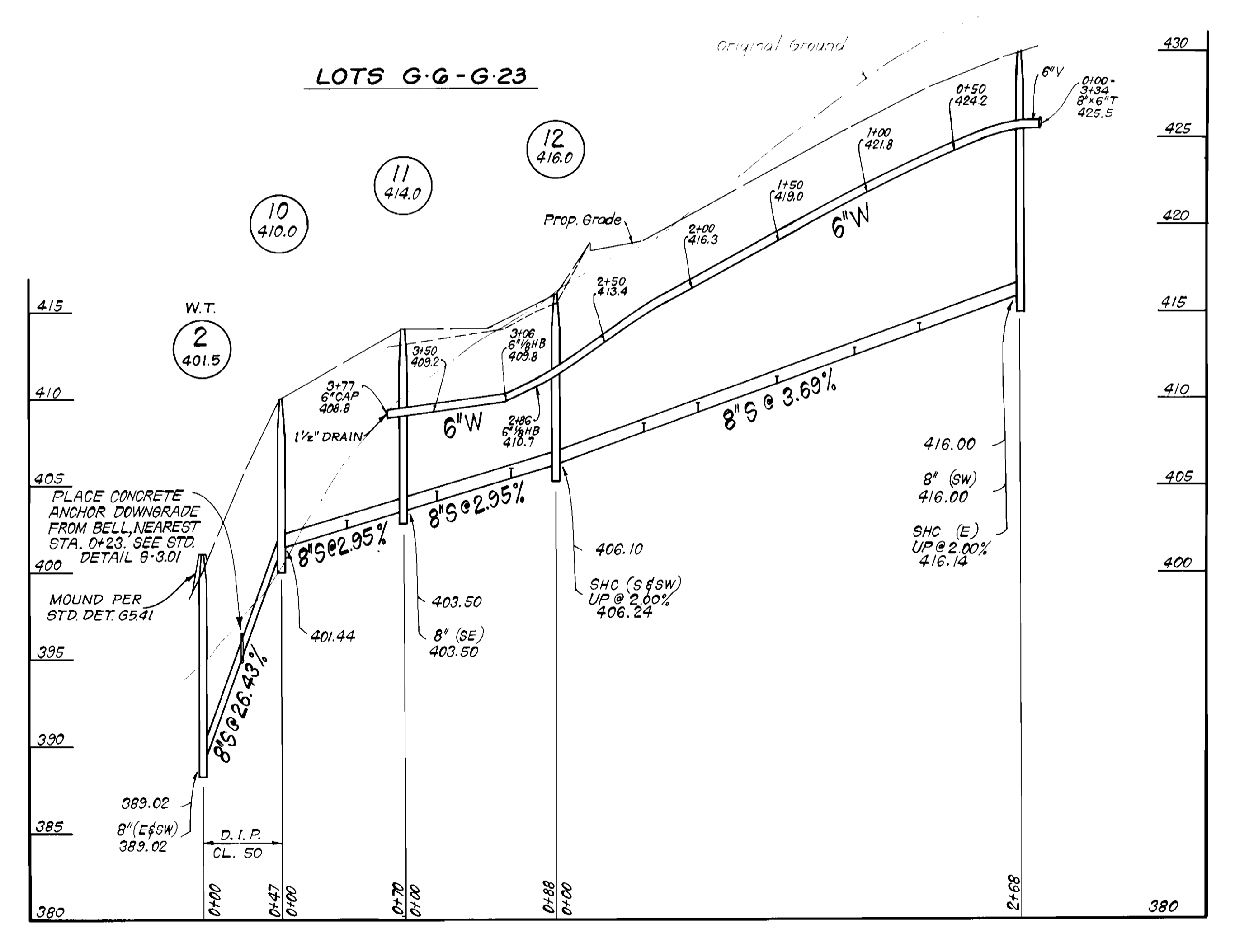
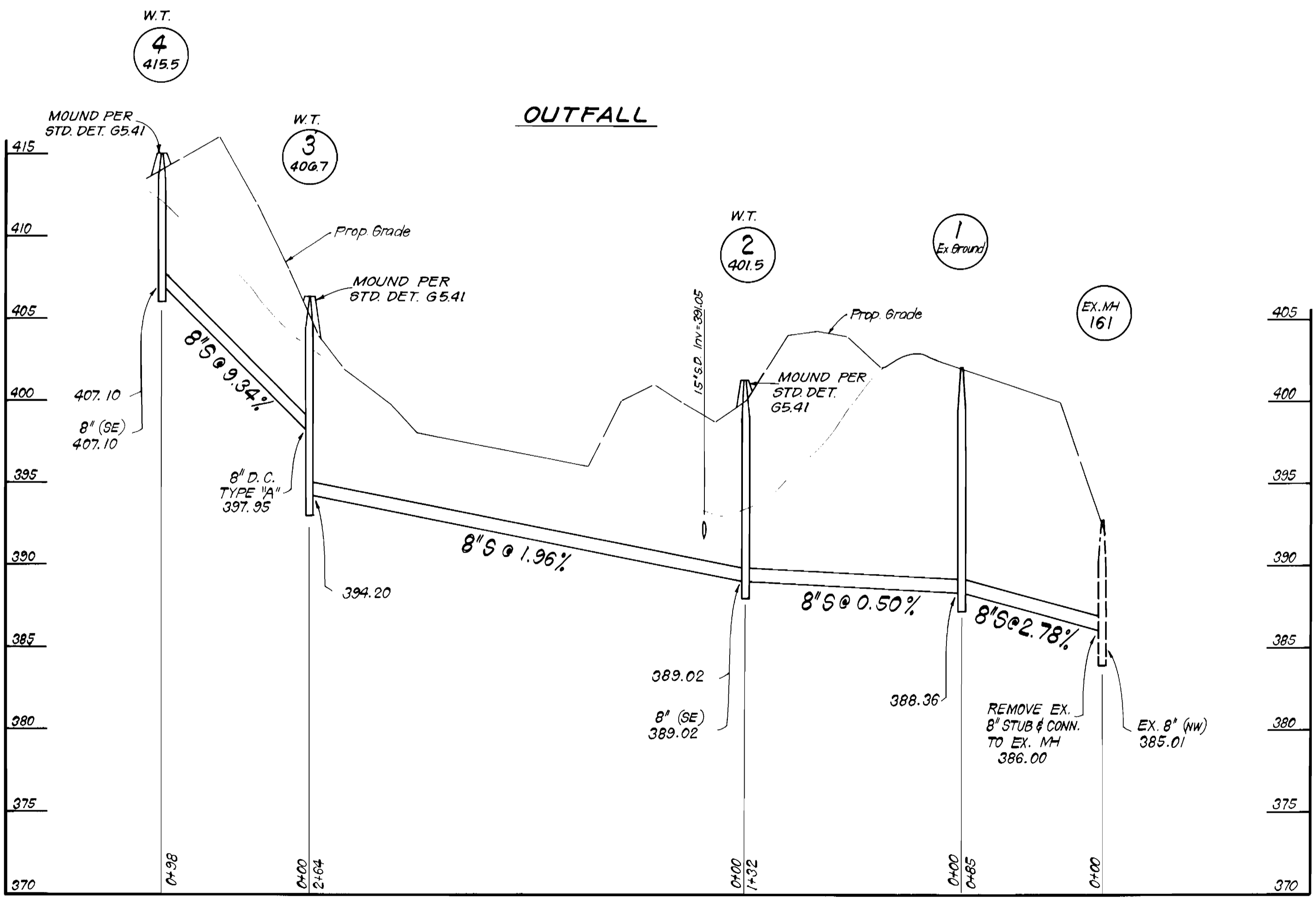
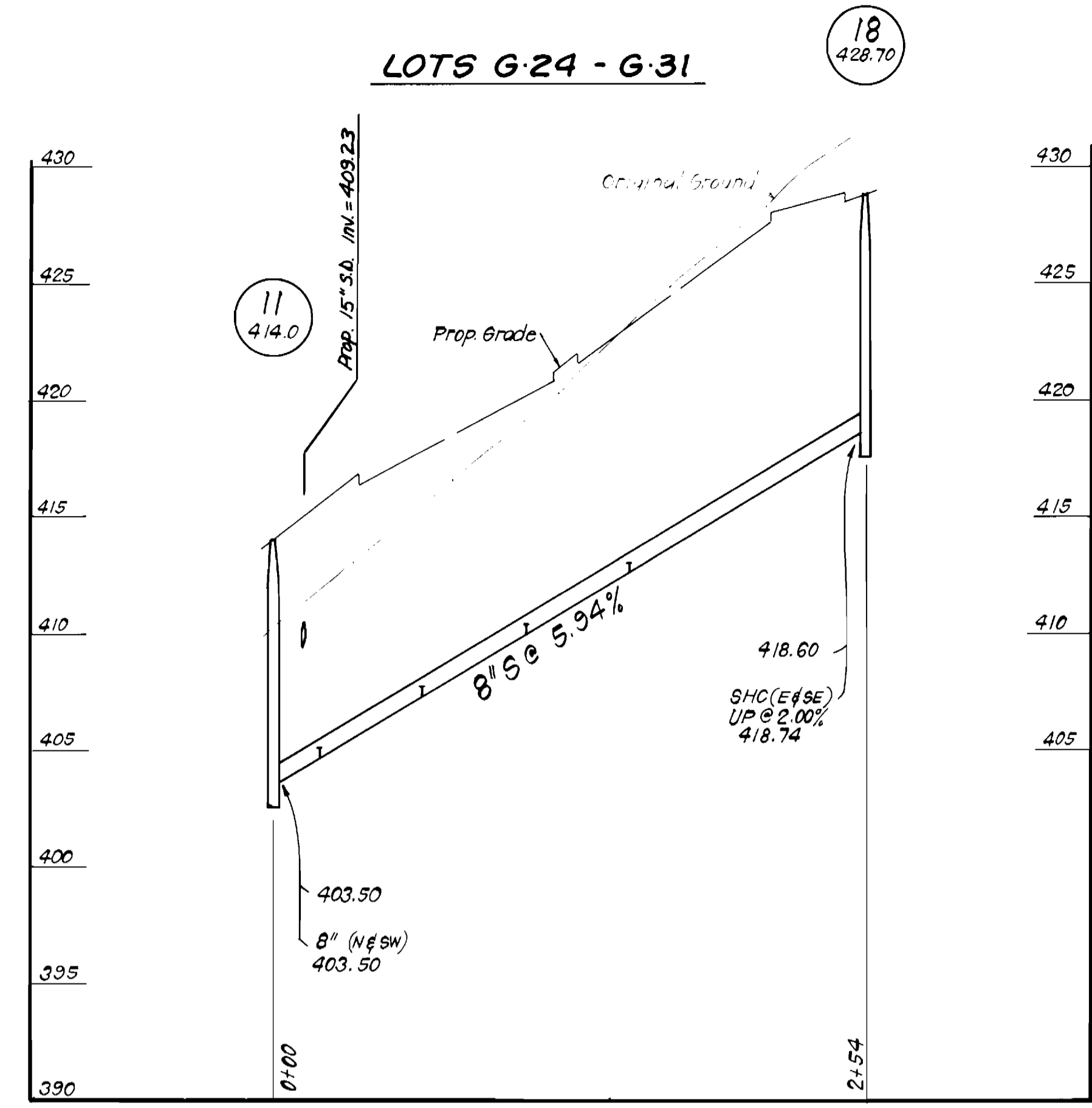
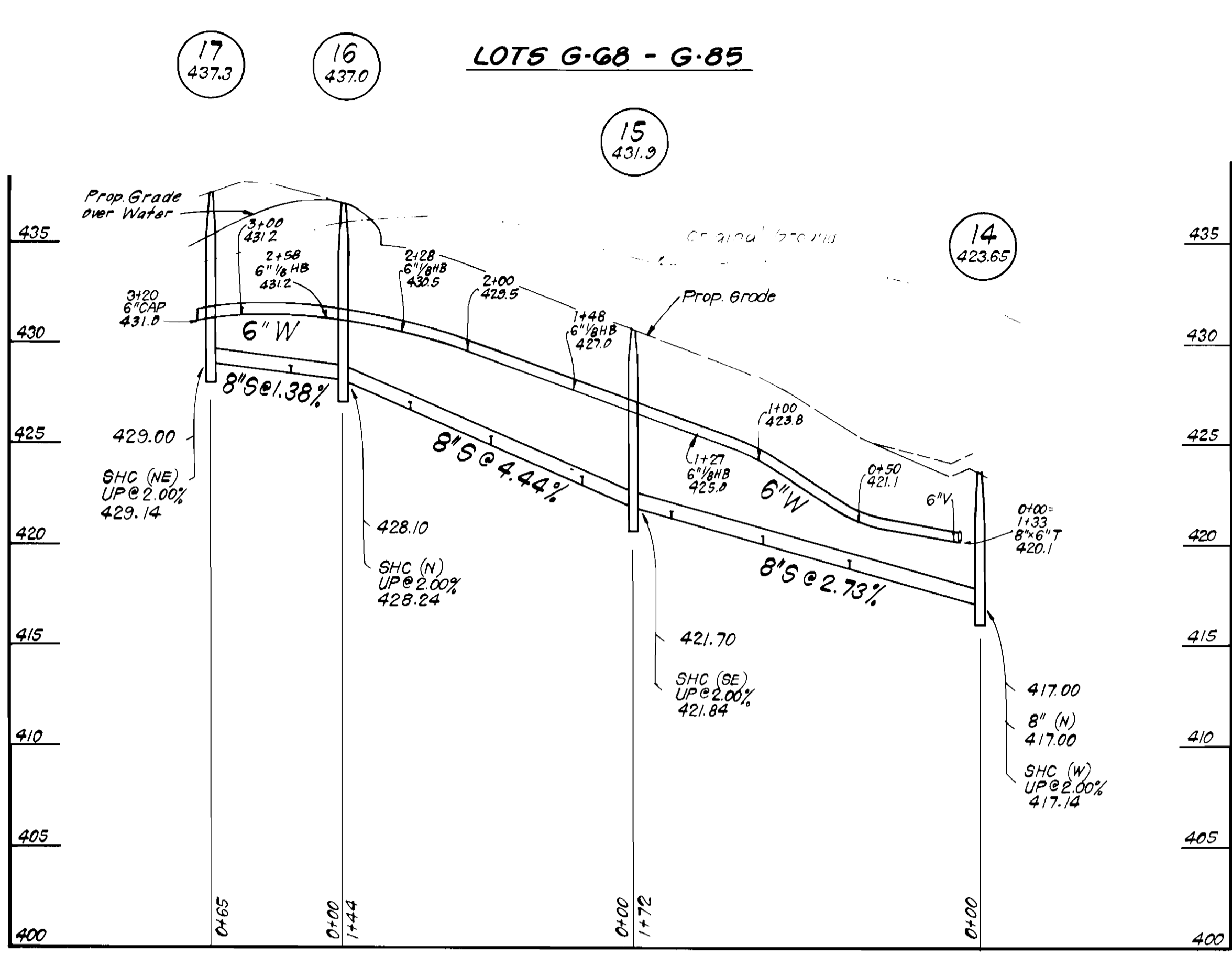
PLAN & PROFILES OF
WATER & SEWER MAINS

COLUMBIA, VILLAGE OF HICKORY RIDGE
PARCEL "G", SECTION 3 AREA 6
6TH ELECTION DISTRICT
CONTRACT NO. 34 - 1280 -D

SCALE AS SHOWN
SHEET 2 OF 3

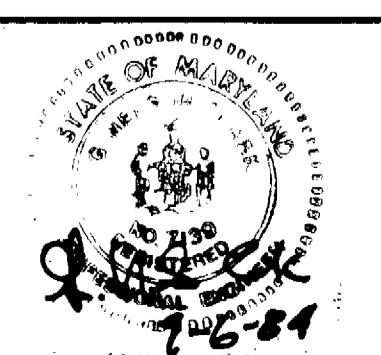
COLUMBIA, VILLAGE OF HICKORY RIDGE
PARCEL "G", SECTION 3 AREA 6
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SCALE AS SHOWN
SHEET 2 OF 3



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 11-16-84
 DATE: 11-15-84

CLARK · FINEPROCK & SACKETT
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PROFILES OF
 WATER & SEWER MAINS
 600 SCALE MAP NO. 35 BLOCK NO.

COLUMBIA, VILLAGE OF HICKORY RIDGE
 PARCEL "G", SECTION 3 AREA 6
 6TH ELECTION DISTRICT
 CONTRACT NO. 34-1280 -D

SCALE
 HORZ: 1"=50'
 VERT: 1"=5'
 SHEET
 3 OF 3

AS-BUILT JULY 1986