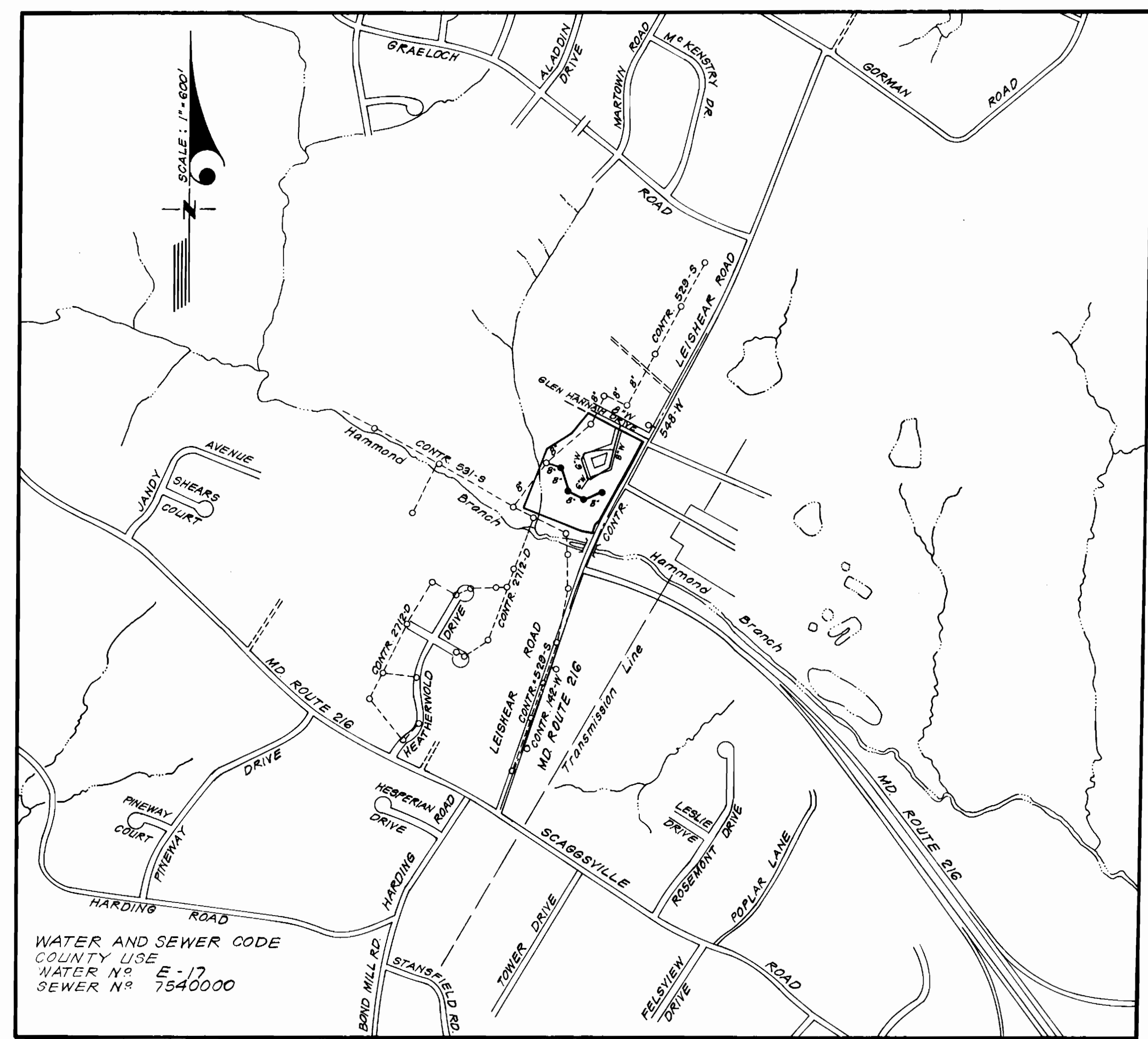


Type of Buildings	Townhouses
Number of Lots	28
Number of Water House Connections	26
Number of Sewer House Connections	28
Drainage Area	Little Patuxent River



VICINITY MAP
SCALE: 1"=600'

GENERAL NOTES

1. 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.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S Datum.
4. All pipe elevations shown are invert elevations.
5. 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.
6. For details not shown on the drawings use Howard County Standard Details.
7. For materials and construction methods use Howard County Standard Specifications.
8. 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.
9. 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" - 1-550-0100
 - Chesapeake & Potomac (C.&P.) Telephone Company - 725-9976
 - American Telephone and Telegraph - Cable Location Division - 303-3553
 - Colonial Pipeline Company - 781-4641
 - Bureau of Utilities Howard County - 992-2366
10. 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.
11. 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.
12. 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.
13. All water mains to be C.I.P. or D.I.P. unless otherwise noted.
14. Top of all water mains to have a minimum of 3'-1/2' cover unless otherwise noted.
15. Valves adjacent to tees shall be strapped to tees.
16. Block all fittings with concrete.
17. 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 5-15 of the Standard Specifications.
18. All water house connections shall be for an inside meter setting.
19. The contractor shall not operate any water main valves on the existing system.
20. 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.
21. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
22. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
23. 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'.
24. Manholes designated W.T. in plan and profile shall have watertight frame and covers, Standard Detail 5-145 (RCR-63A). Where watertight manhole frame and cover is used, set top of frame 1'-6" above finished grade.

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Road Construction Plan F. 81-143 ; Drawing 4, Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

Signature: *[Signature]* DATE: 8-28-81
U.S. SOIL CONSERVATION SERVICE

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

APPROVED: *[Signature]* DATE: 8-28-81
Howard S.C.D.



CONTRACT NO. 24-1009D W&S
MURRAY HILL
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

ITEM	BID	AS-BUILT	MATERIALS/SUPPLIER
6" Water	512 LF	538	FLOW INDUSTRIES/GRIFFIN-DIP
8" Water	688 LF	691	FLOW INDUSTRIES/GRIFFIN-DIP
8" Sewer	470 LF	474	BEL AIR RD SUPPLY/SUPERIOR CLAY
F.H.	2	2	FLOW INDUSTRIES/DRESSER M&H
F.H. Relocated	1	1	
8" Valve	2	3	FLOW INDUSTRIES/BALTO STD
8" Valve excluding F.H.	3	3	" " " "

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Director: *[Signature]* DATE: 9-2-81
Chief, Bureau of Engineering: *[Signature]* DATE: 9-11-81
Chief, Bureau of Utilities: *[Signature]* DATE: 9-11-81

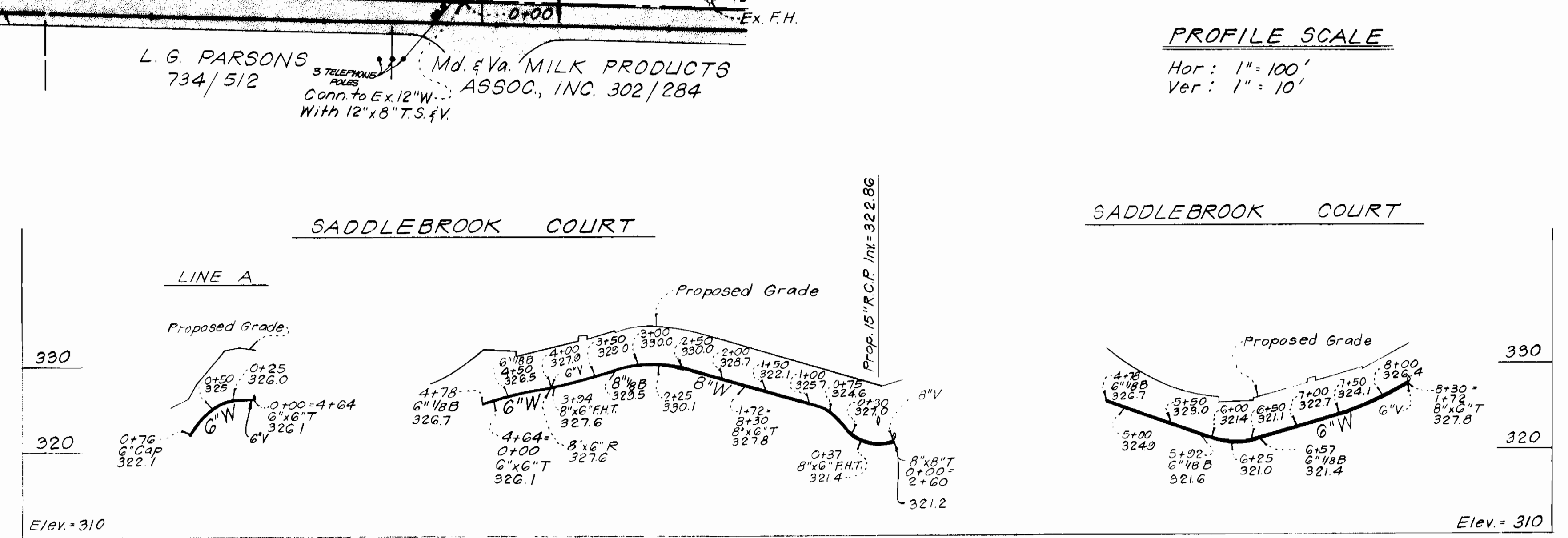
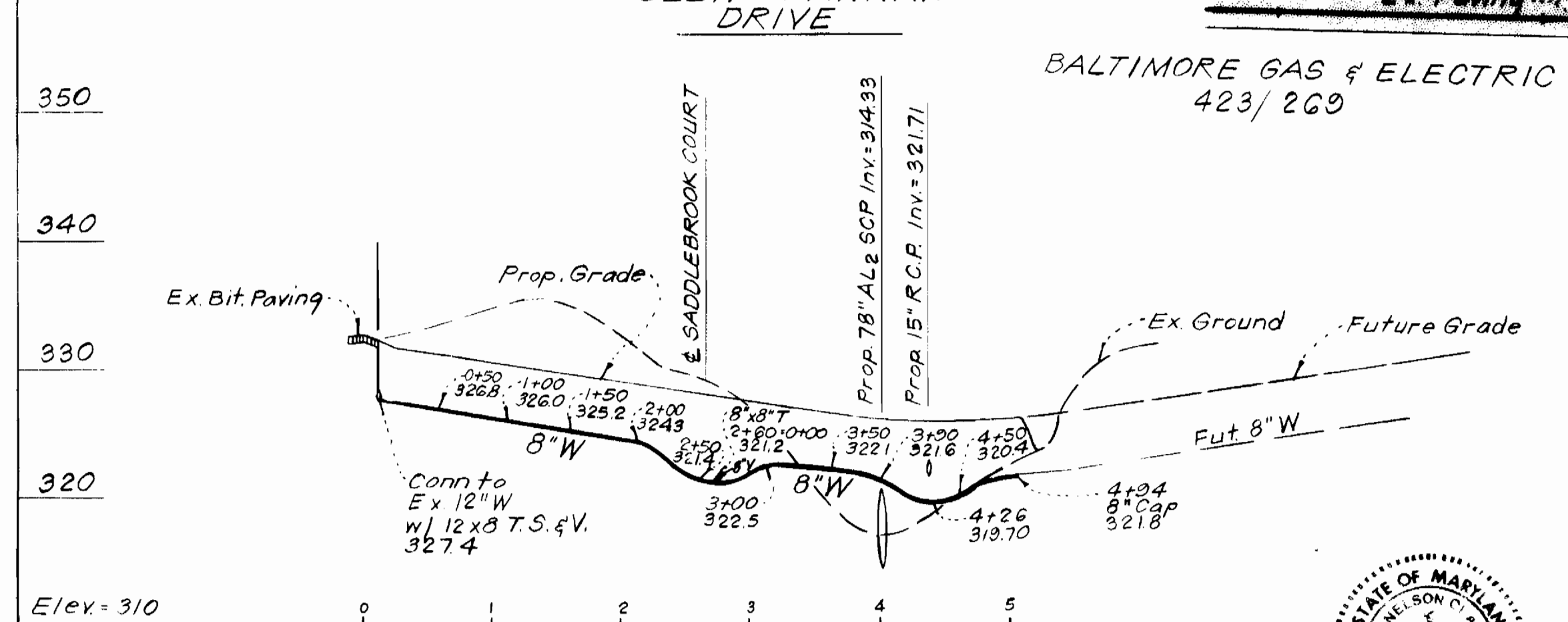
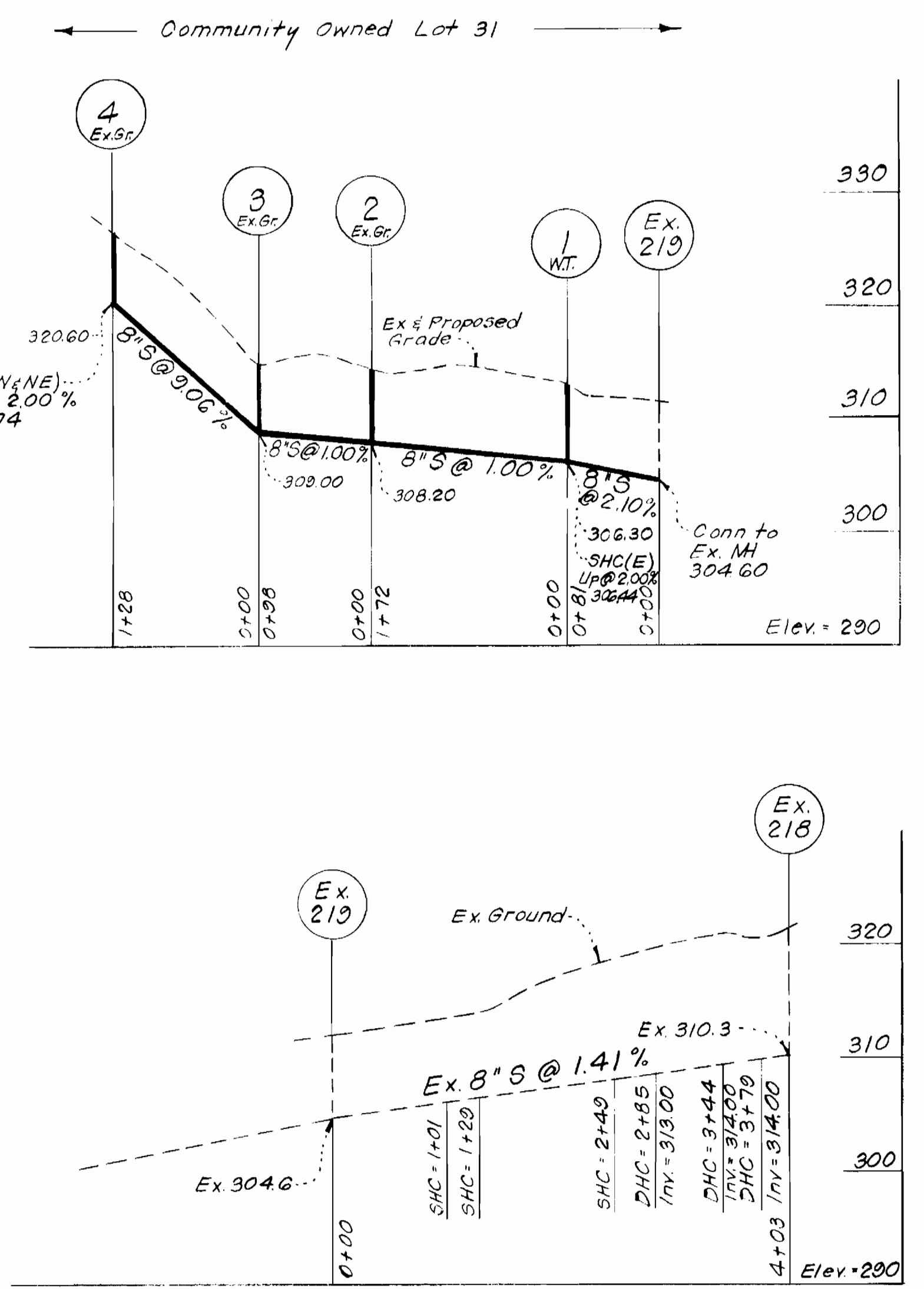
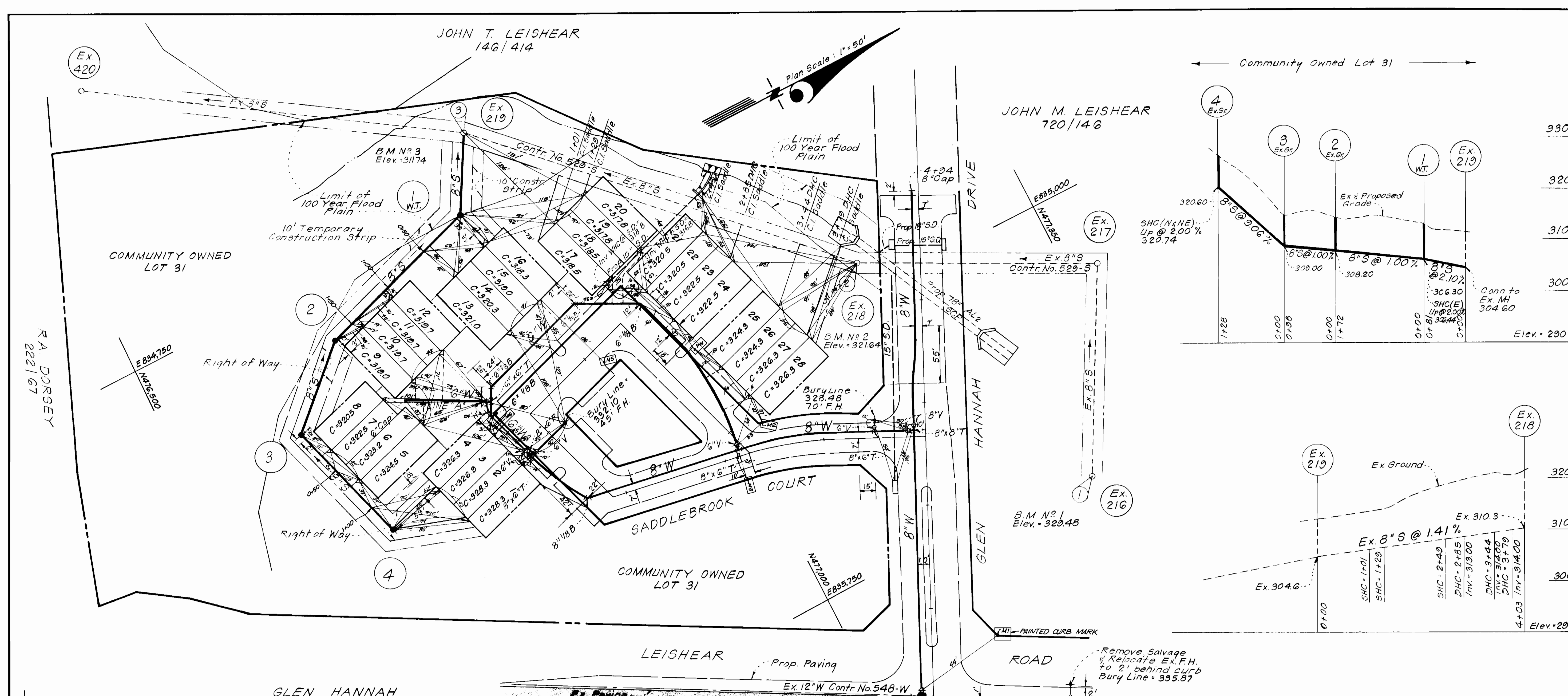
No.	Revisions	Date
1.	Changed 3 Sewer House Connections to Drop House Connections on Plan and Profile.	12-2-81

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

CONTRACT NO. 24-1009-D TITLE SHEET

MURRAY HILL
SECTION TWO
6TH ELECTION DISTRICT

DRAWING NO. 1 OF 2 SCALE As Shown



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works - Date: 9-2-81
 Chief, Bureau of Engineering - Date: 9-2-81
 Chief, Bureau of Utilities - Date: 8-31-81
 Chief, Land Development - Date: 9-2-81

No.	Revisions	Date
1	Changed 3 Sewer House Connections to Drop House Connections on Plan and Profile.	12-2-81



CONTRACT NO. 24-1009-D
 PLAN & PROFILES OF WATER & SEWER MAINS
 MURRAY HILL SECTION TWO
 6TH ELECTION DISTRICT
 DRAWING NO. 2 OF 2
 SCALE: As Shown