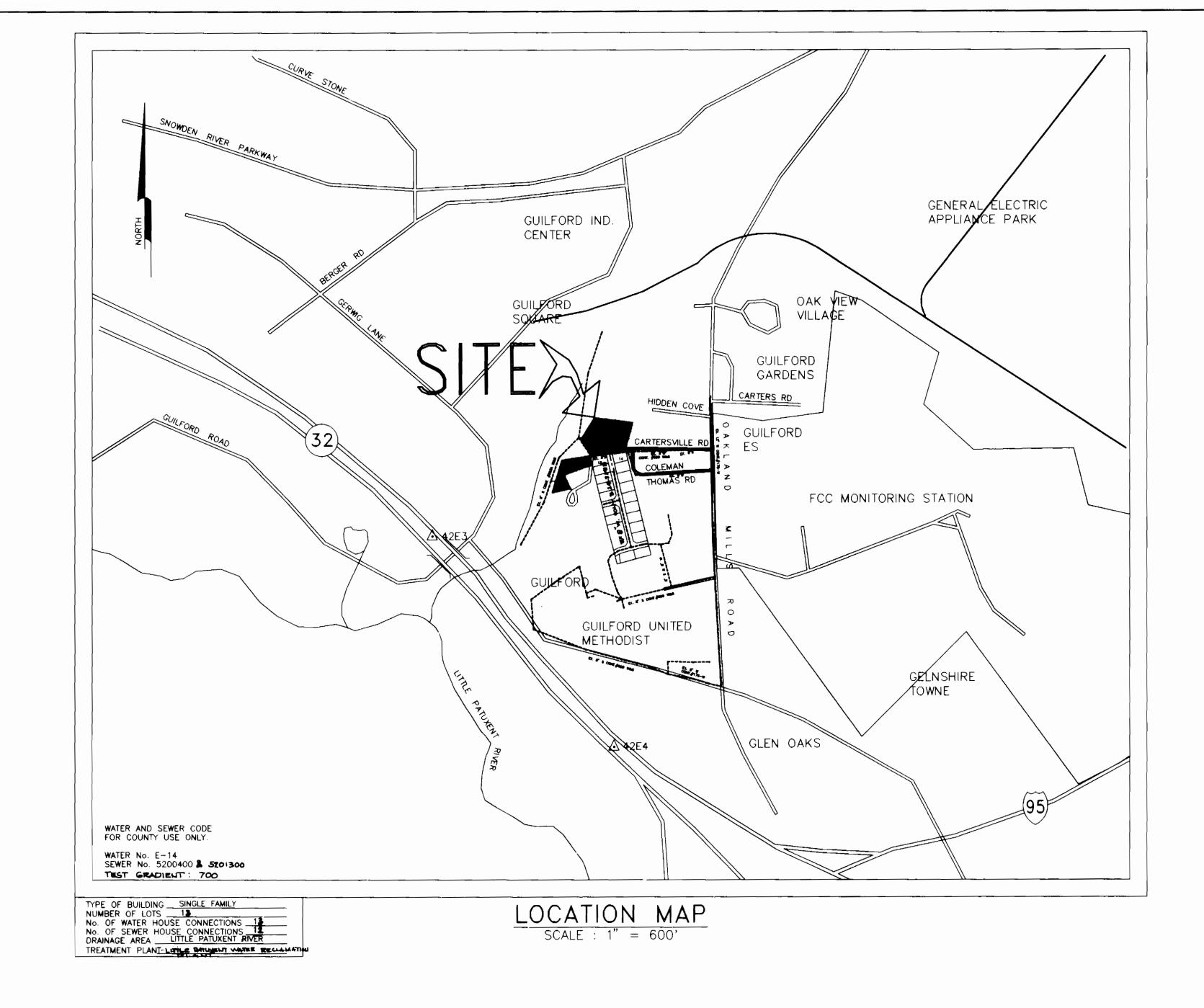
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NAME OF UTILITY CONTRACTOR :	CONSOLIDA	TED CONST	RUCTION S	SERVICES, 3	INC
SURVEY AND DRAFTING DIVISION AS E					

		WATER & SET	VER STRUCTURE S	CHEDOLE	
MH No.	ELEVATION	LOCATION			
MH-1	323.23' (RIM)	166899.196	414272.421		
MH-2	334.50' (RIM)	166929.508	414290.537		
MH-3	343.00' (RIM)	166926.104	414350.001		
MH-4	346.50' (RIM)	166913.537	414371.501		
MH-5	307 06' (RIM)	166778.384	414194.512		
MH-6	313.71 (RIM)	166787.435	414216.826		



## BENCHMARKS

BENCHMARK # 1 TOP OF STONE FOUND

ELE V. 325. 30'

BENCHMARK # 2 TOP OF NUT OF FH

ELE V.368.33' \_\_\_\_

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN F-96-18

REVIEW FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT

DISTRICT.

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD COUNTY SOIL CONSERVATION

MATTHEWS WOODS CONTRACT No. 24-3461-D WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

OWNER : MAPLE COLEMAN 9276 CARTERSVILLE RD. COLUMBIA, MD. 21046

DEVELOPER : LAND DESIGN & DEVELOPMENT INC. 10805 HICKORY RIDGE RD. COLUMBIA, MD. 21044

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND



CONSULTING ENGINEERS 8307 MAIN ST., HISTORIC ELLICOTT CITY, MD. TEL 410-465-0400 FAX 410-465-0489

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PLAN & PROFILE OF WATER & SEWER MAINS CONTRACT NO. 21 346 LD\_\_\_

600' SCALE MAP NO. 42 BLOCK\_\_\_\_

AS SHOWN

SCALE

SEWER & WATER

1. Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expenses.

GENERAL NOTES

2. All horizontal controls are based on Maryland State Coordinates.

3. All vertical controls are based on U.S.G.S. data.

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. 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 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.

6. For details not shown on the drawings, and for materials and construction methods use Howard County Design Manuals, Vol. IV, Standard specifications and Detail for Construction (Latest Edition). The contractor shall have a copy of Volume IV on the job.

7. Where test pits have been made or 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 the construction operations at his own expense.

8. Contractors shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

531-5533 State Highway Administration 850-4620 BG&E Co. Contractor Services BG&E Co. Under Ground Damage Contro-787-9068 800 257-7777 Miss Utility Colonial Pipeline Co. 795-1390 Howard County Department of Public Works Bureau of Utilities

9. Trees and shrubs are to be protected from damage to maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.

10. Contractors shall remove trees, stumps and roots along line of excavation. Payment for such removal shall be included in the unit price bid for construction of the main.

11. All water mains to be D.I.P. Class 52 unless otherwise noted. 12. Tops of all water mains to have a minimum of  $3 \cdot 1/2$ 

cover otherwise noted. 13. Valves adjacent to tees shall be strapped to tees.

14. All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.

15. Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be restrained in accordance with detail W.1-11 and W.2-13. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard

16. The contractor shall not operate any water main valves on existing water system.

17. All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.

18. All sewer mains shall be D.S.P. a and P.V.C. unless otherwise noted.

19. The contractor shall provide a joint in all sewer mains with in 2'-0" of exterior manhole wall.

20. All manholes shall be 4'-0" inside diameter unless otherwise noted.

21. Force mains shall be D.I.P. only

22. Manholes shown with 12" and 16" walls are for brick manholes only.

23. Manholes designated W.T. in plan and profile shall have watertight frame and covers, Standard Details G5.52. Where watertight manhole frame and cover is used, set top of frame 1" - 6" above finished grade unless otherwise noted on the drawings.

24. House(s) with the symbol "C.N.S" indicates that cellar cannot be served.

25. Horizontal and vertical data are based on Maryland State coordinate system as projected by Howard County station (NAD 83) and

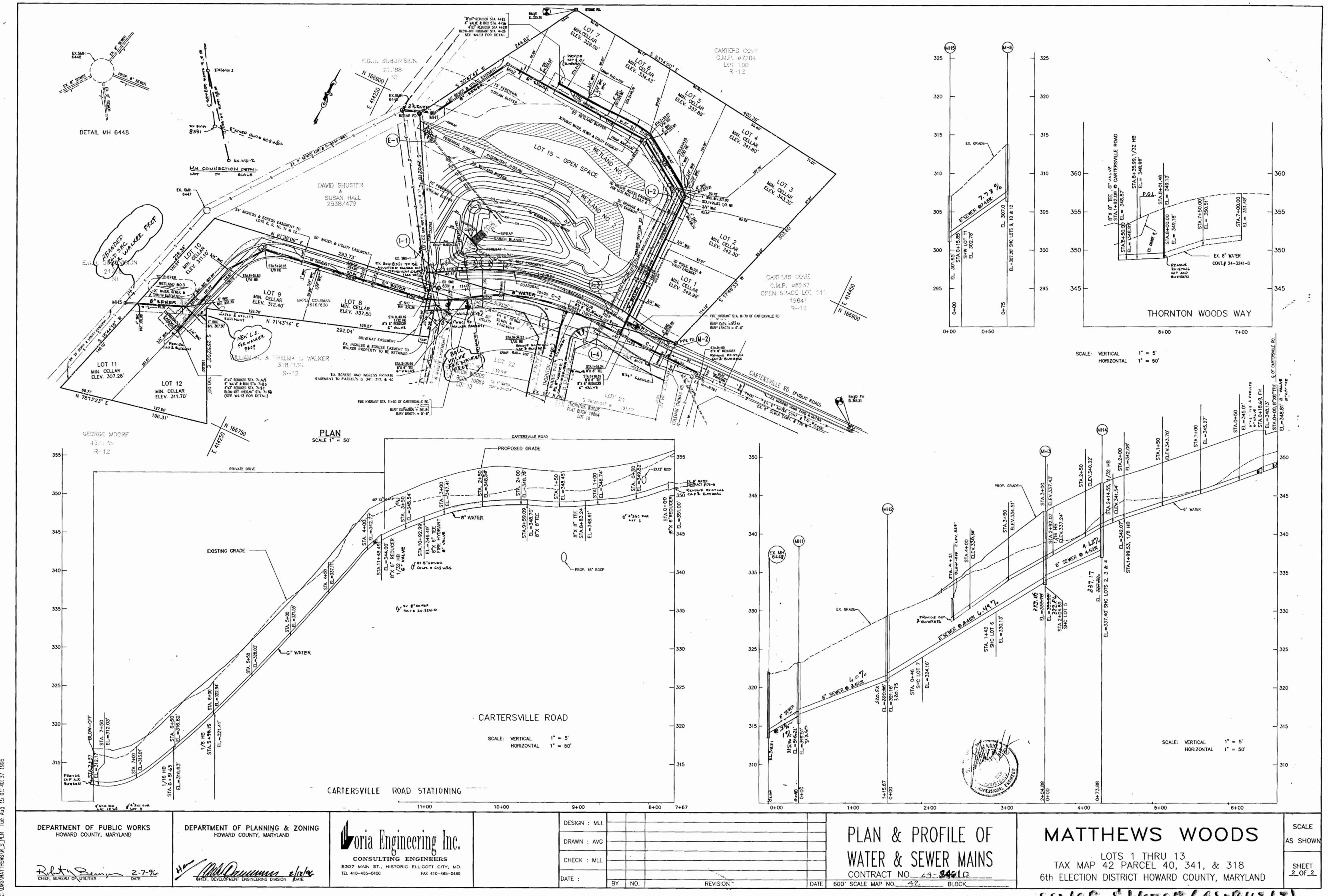
COVER SHEET

MATTHEWS WOODS LOTS 1 THRU 13 TAX MAP 42 PARCEL 40, 341, & 318

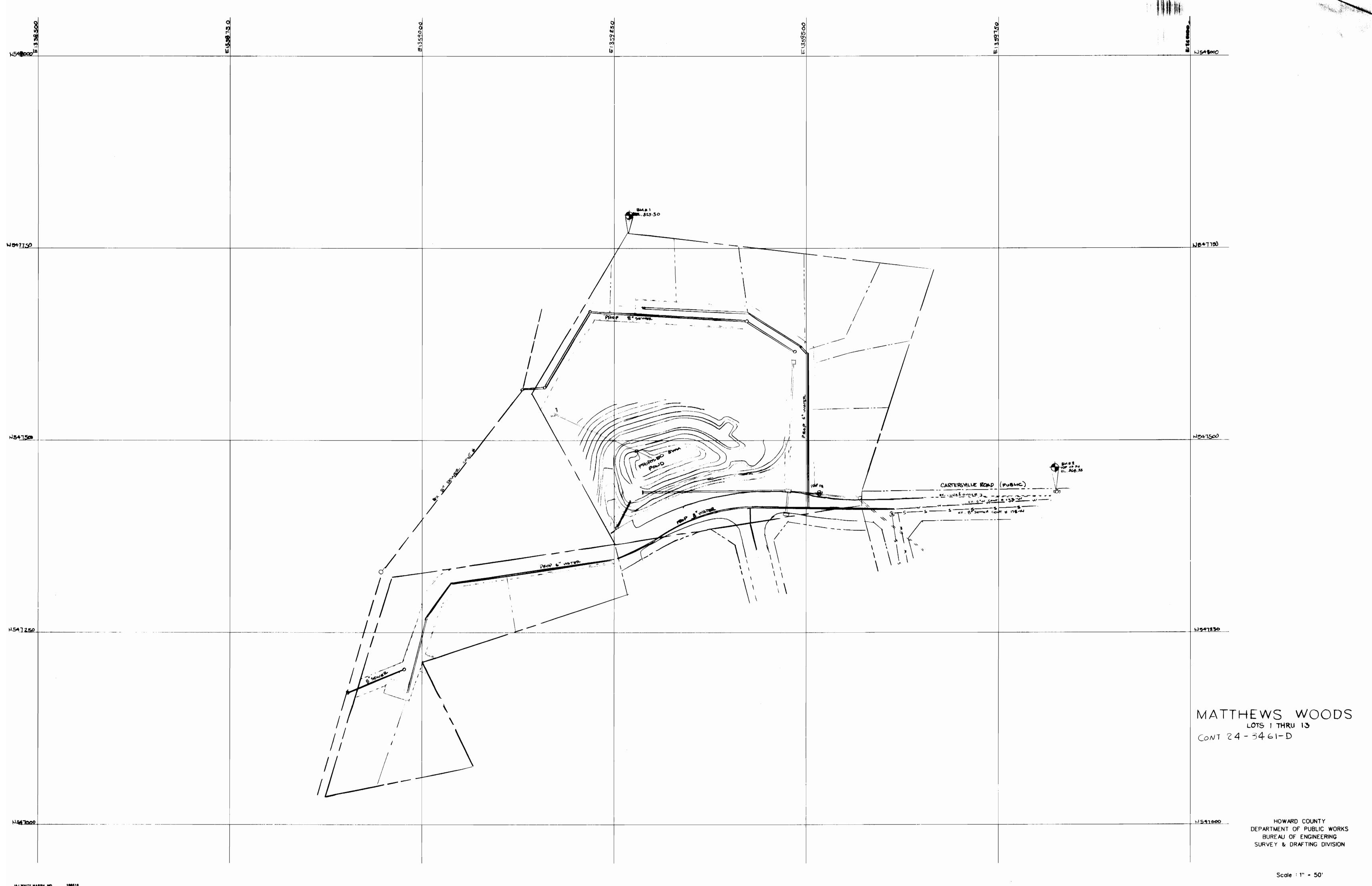
WILLIAM A. MATTHEWS 9272 CARTERSVILLE RD. COLUMBIA, MD. 21046

SHEET <u>1</u> 0F 2 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

A5-BUILTS



SEVIER EMPER (AS-BUJLT)



Map No. <u>42</u>