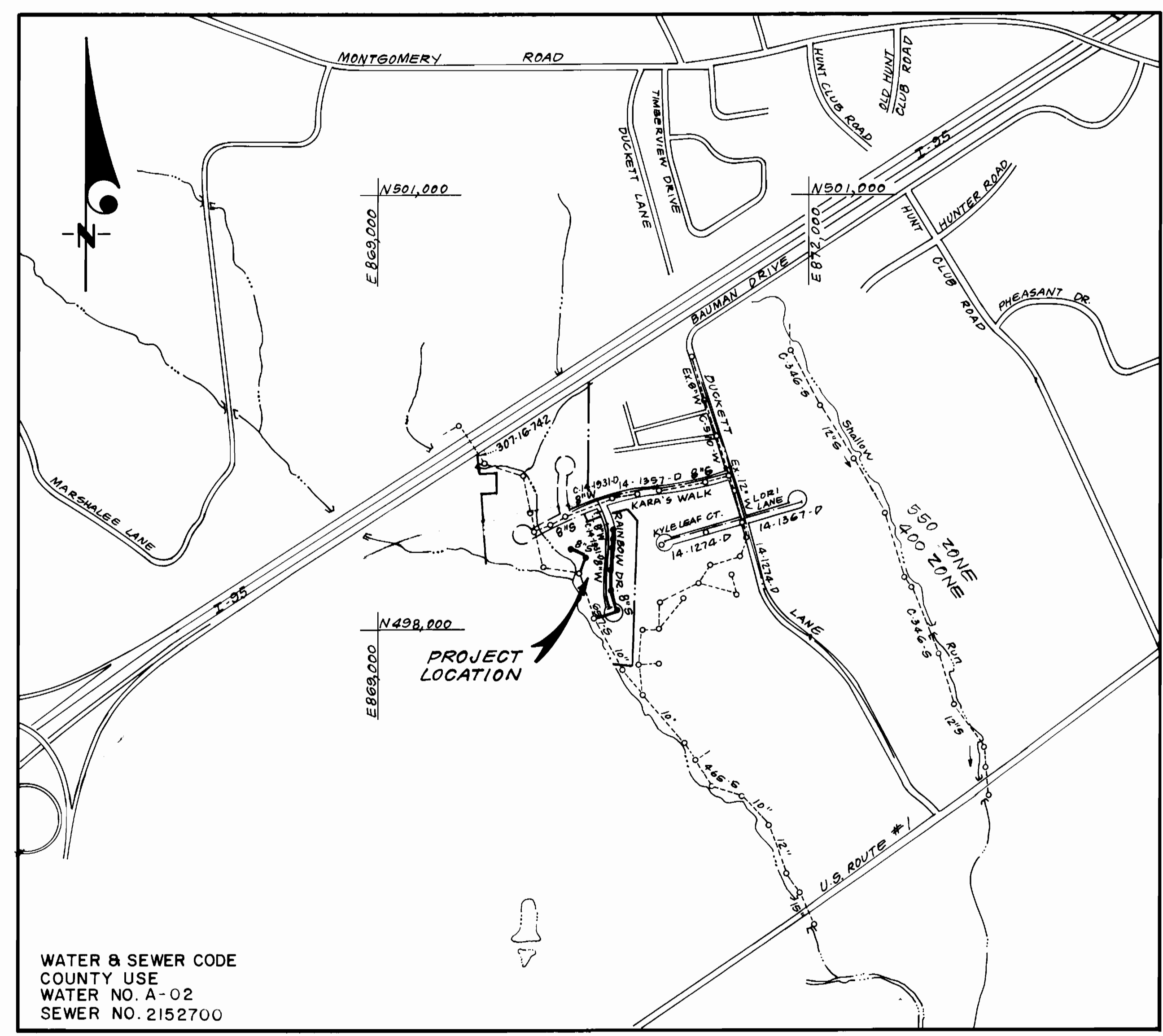


TYPE OF BUILDING	<u>Single Family</u>
NO. OF LOTS	<u>25</u>
NO. OF WHC's	<u>25</u>
NO. OF SHC's	<u>25</u>
DRAINAGE AREA	<u>Patapsco</u>



WATER & SEWER CODE  
 COUNTY USE  
 WATER NO. A-02  
 SEWER NO. 2152700

VICINITY MAP  
 SCALE: 1" = 600'

**CONTRACT NO. 14-1964-D  
 MELBOURNE ESTATES  
 SECTION ONE AREA TWO, LOTS 14 THRU 42  
 A RESUBDIVISION OF LOT 13  
 HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS**

**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 and Howard County Design Manual, Volume IV, 1989 Amendments. The Contractor shall have Volume IV, 1989 Amend. on the job site.
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 Damage Control - 859-9004
  - Baltimore Gas & Electric Company - Contractor Services - 850-4620
  - Baltimore Gas & Electric Company - Trouble Shooting - 298-9001
  - "Miss Utility" - 1-800-257-7777
  - Chesapeake & Potomac (C&P) Telephone Company - 1-800-257-7777
  - Bureau of Utilities Howard County - 992-2366
  - Colonial Pipeline Company - 795-1390
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 D.I.P. Class 52 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 Sections 1000 & 1005 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., or P.V.C. 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 thus: WT, shall have a Watertight Frame and Cover.
25. All D.I.P. Fittings shall be in accordance with AWWA specification C-153 Ductile Iron Compact Fittings, 3-inch through 12-inch for water and other liquids.
26. All SHC's shall be 4' I.D.

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Road Construction Plan F 89-105 ; Drawing , Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.  
 Signature: James M. Fisher DATE: 7/27/89

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

APPROVED:  
 Signature: Howard S.C.D. DATE: 7/28/89

QUANTITIES			
ITEM	EST'D	AS BUILT	MATERIAL / SUPPLIER
8" S	1,017 LF	1008	NATIONAL PIPE / A&P SUPPLY
8" W	689 LF	689	ATLANTIC STATES / A&P SUPPLY
F.H.	2 EA.	2	MUELLER / A&P SUPPLY
4" MH	9 EA.	9	ATLANTIC CONCRETE / ATLANTIC CONCRETE
4" SHC	600 LF	600	NATIONAL PIPE / A&P SUPPLY
1" WHC	170 LF	170	CAMBRIDGE LEE / A&P SUPPLY
3/4" WHC	403 LF	403	CAMBRIDGE LEE / A&P SUPPLY
6" SHC	60 LF	60	CHARLOTTE PIPE / A&P SUPPLY
6" VALVE	2 EA.	2	MUELLER / A&P SUPPLY
6" DIP	41.6 LF	41.6	ATLANTIC STATES / A&P SUPPLY

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

Signature: James M. Fisher DATE: 8/1/89  
 DIRECTOR OF PUBLIC WORKS

Signature: Howard S.C.D. DATE: 7/28/89  
 CHIEF, BUREAU OF UTILITIES

**CFE** CLARK-FINEPROCK & SACKETT, INC.  
 ENGINEERS-PLANNERS-SURVEYORS

7135 MINSTREL WAY COLUMBIA MARYLAND 21045  
 (301) 381-7500 BALTO. (301) 621-8100 WASH.



DES: CCM			
DRN: CCM			
VLM			
CHK: CCM			
DATE: 12-88	BY	NO.	REVISION

TITLE SHEET  
 600' SCALE MAP NO. 37 BLOCK NO. \_\_\_\_\_

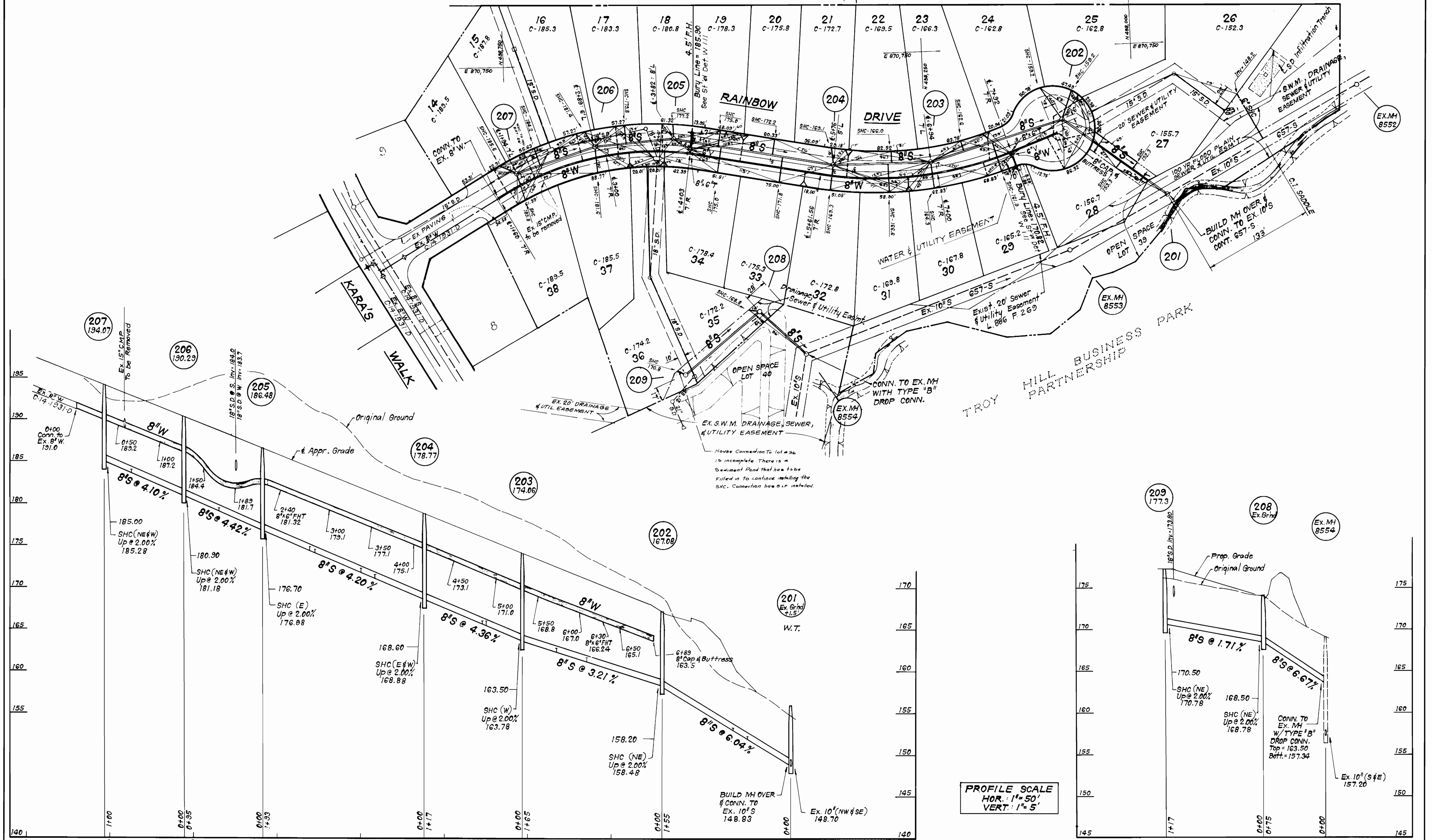
MELBOURNE ESTATES  
 SECTION ONE AREA TWO, LOTS 14 THRU 42  
 A RESUBDIVISION OF LOT 13  
 1ST ELECTION DISTRICT  
 CONTRACT NO. 14-1964-D

SCALE AS SHOWN  
 SHEET 1 OF 2

GLEN COVE ESTATES  
SECTION ONE

PLAN SCALE: 1"=50'

PARCEL "A"  
MARBLE HILL



PROFILE SCALE  
HOR.: 1"=50'  
VERT.: 1"=5'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

CLARK - FINEPROCK & SACKETT, INC.  
ENGINEERS - PLANNERS - SURVEYORS



DES: CCM	DATE: 12-88
DRN: CCM	BY: NO.
CHK: CCM	REVISION
	DATE

PLAN & PROFILES OF  
WATER & SEWER

MELBOURNE ESTATES  
SECTION ONE AREA TWO, LOTS 14 THRU 42  
A RESUBDIVISION OF LOT 13  
1<sup>ST</sup> ELECTION DISTRICT  
CONTRACT NO. 14-1964-D

SCALE  
AS SHOWN  
SHEET  
2 OF 2

AS-BUILT: 10-04-90