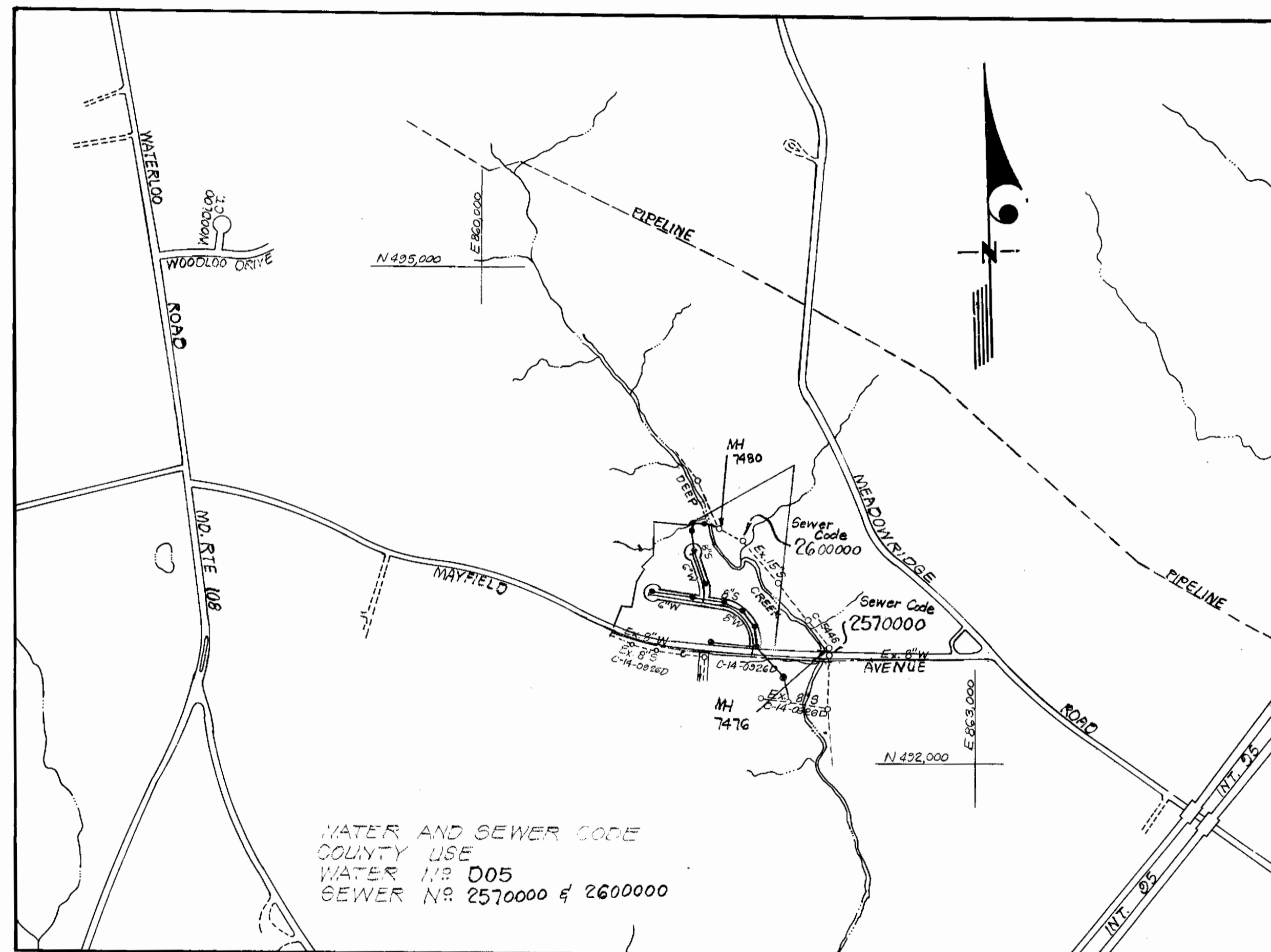


Type of Buildings	Single Family
Number of Lots	48
Number of Water House Connections	48
Number of Sewer House Connections	48
Drainage Area	Patapsco



WATER AND SEWER CODE
 COUNTY USE
 WATER NR 005
 SEWER NR 2570000 & 2600000

VICINITY MAP
 Scale: 1" = 600'

GENERAL NOTES

- All water mains to be C.I.P., D.I.P. unless otherwise shown.
- Top of all water mains to have a minimum of 3.5 ft cover unless otherwise noted.
- All valves shall be strapped to face in accordance with standard details.
- Block all fittings with concrete, see standards bound in specifications.
- 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 hydrants to be compacted in accordance with Section 5-15 of the Standard Specifications.
- All sewer mains shall be C.S.P.X., V.C.P.X., 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.
- Approximate locations 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 reported immediately.
- 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.
- For all standard details see standards bound in specifications.
- Contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
- Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans.
 State Highway Administration - 531-5533
 Baltimore Gas and Electric Company - Underground Electric Distribution Engineering, "Damage Control" - 234-5697
 Baltimore Gas and Electric Company - Underground Gas Distribution Engineering - 559-0100
 Chesapeake and Potomac Telephone Co. - 745-9976
 American Telephone and Telegraph Cable Location Division - 301-393-3553
 Colonial Pipeline Company - 781-4641
- 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 rocks along line of excavation as directed by the Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill for water and sewer mains.
- 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.
- Manholes No 2 & 10 shall have Watertight Frames & Covers. See Std. Detail 5-12.

Sediment Control Measures for this Contract will be implemented in accordance with Road Construction Plan F-81-43, Drawing "6 - Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
James M. Hahn 1-13-81
 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:
William J. Stone 1-13-80
 HOWARD S.C.D. DATE

**CONTRACT NO. 14-0955D W&S
 THOMPSON'S PURCHASE**

**HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS**



W. H. C. E.
 1-2-81

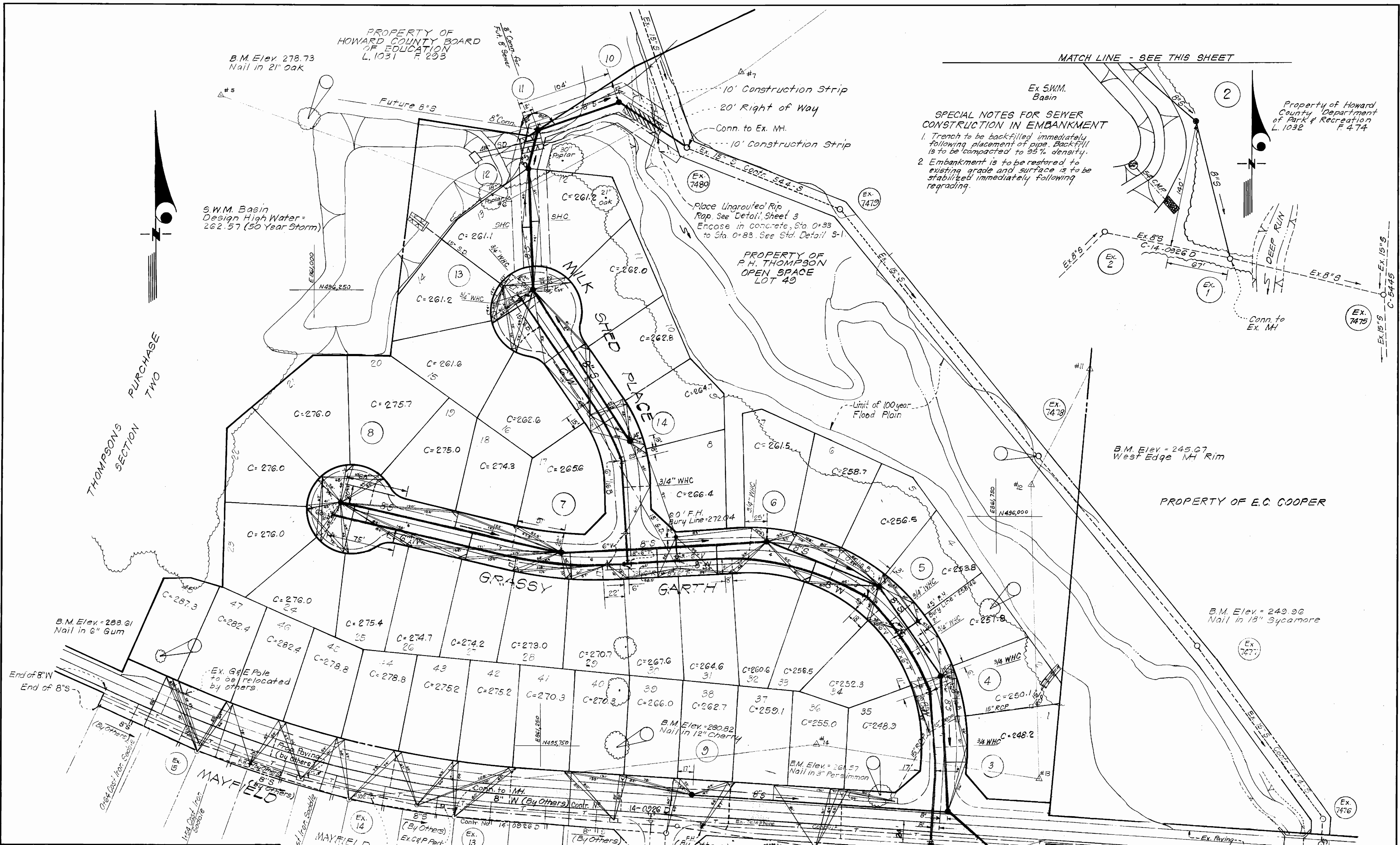
QUANTITIES			
ITEM	ESTIMATED	AS-BUILT	MATERIAL/SUPPLIER
8" Sewer	2124	2020	LOGAN
8" Water	563	563	ATLANTIC
6" Water	257	708	ATLANTIC
8" Valve	1	1	MUELLER
6" Valve (Excluding F.H. Valves)	2	2	MUELLER
Fire Hydrants	2	2	AMERICAN DARLING

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DIRECTOR OF PUBLIC WORKS DATE
 CHIEF, BUREAU OF ENGINEERING DATE
 CHIEF, BUREAU OF UTILITIES DATE
 CHIEF, LAND DEVELOPMENT DIVISION DATE

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

REVISION NO.	DATE	DESCRIPTION
1	2-3-81	REALIGN SEWER MAIN

CONTRACT NO. 14-0955-D	TITLE SHEET	SECTION ONE THOMPSON'S PURCHASE 1ST ELECTION DISTRICT	DRAWING NO. 1 OF 3	SCALE
------------------------	-------------	---	--------------------	-------



SPECIAL NOTES FOR SEWER CONSTRUCTION IN EMBANKMENT

1. Trench to be backfilled immediately following placement of pipe. Backfill is to be compacted to 95% density.
2. Embankment is to be restored to existing grade and surface is to be stabilized immediately following regrading.

THOMPSONS SECTION PURCHASE TWO

MATCH LINE - SEE THIS SHEET

MATCH LINE - SEE THIS SHEET
 REVISION NO. DATE DESCRIPTION
 2-3-81 Realign Sewer Main

**DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND**

DIRECTOR OF PUBLIC WORKS	DATE	CHIEF, BUREAU OF ENGINEERING	DATE
CHIEF, BUREAU OF UTILITIES	DATE	CHIEF, LAND DEVELOPMENT DIVISION	DATE

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

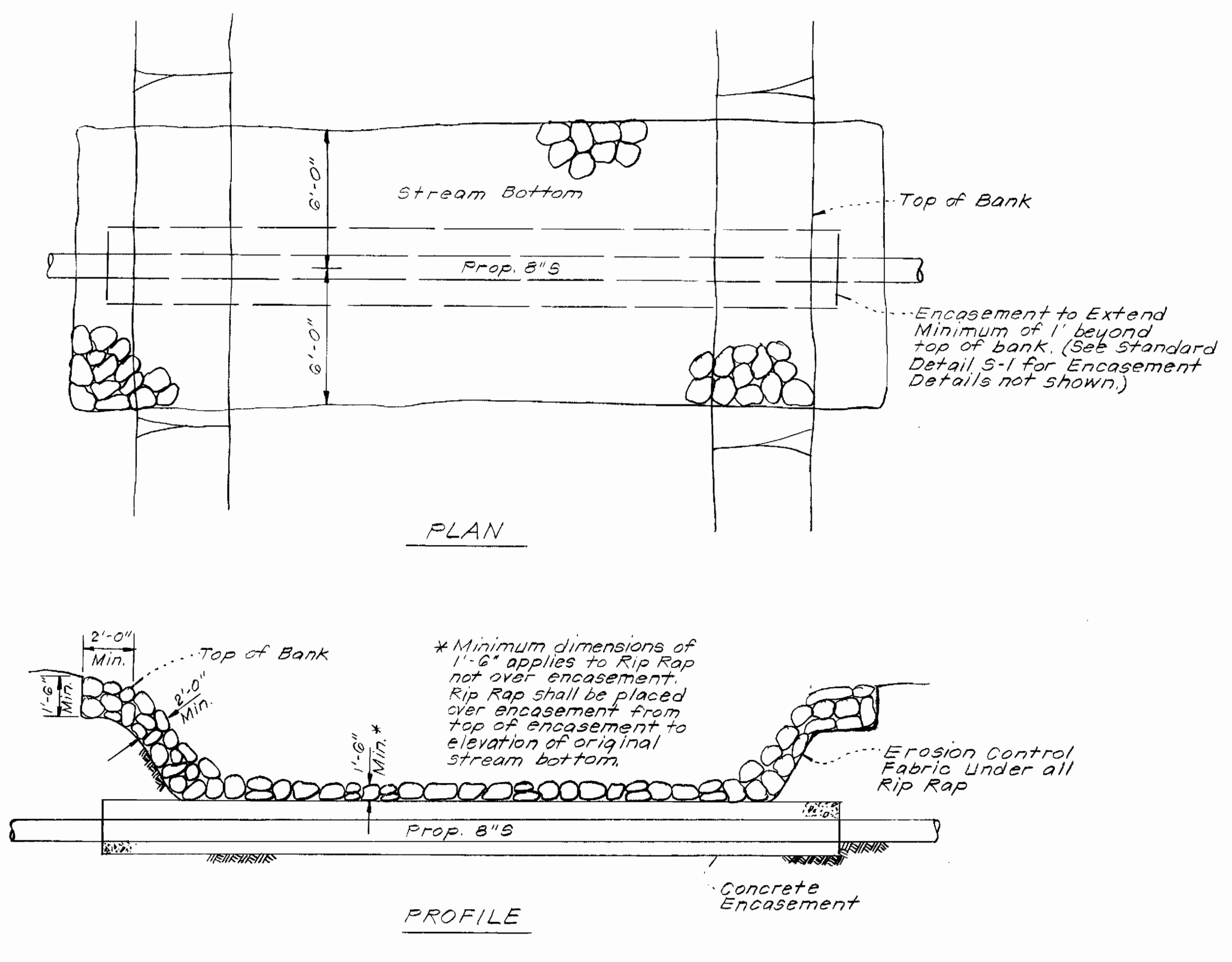
CONTRACT NO. 14-0955-D

**PLAN OF
 WATER & SEWER MAINS**

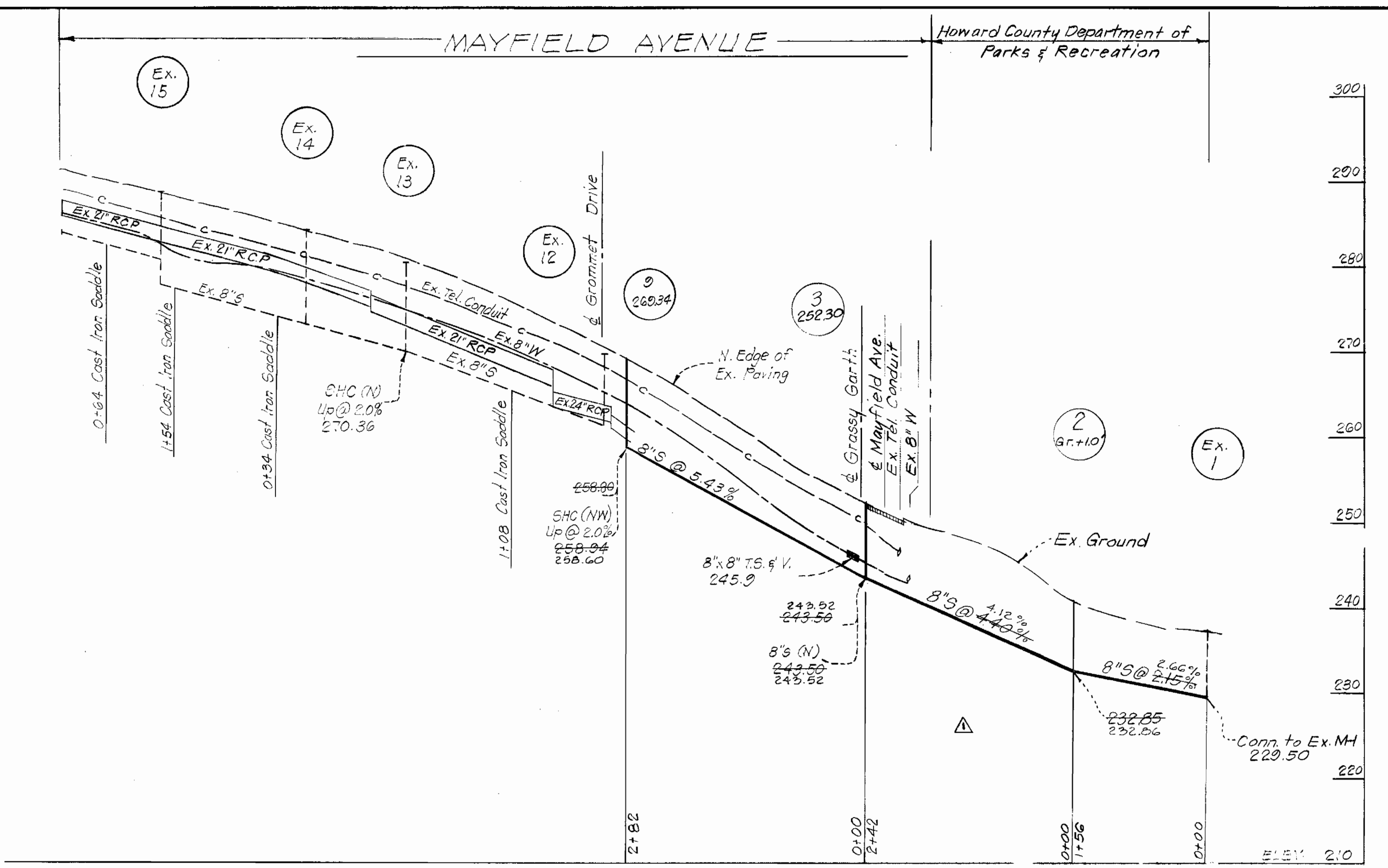
**SECTION ONE
 THOMPSON'S PURCHASE
 1ST ELECTION DISTRICT**

DRAWING NO.	SCALE
NO. 2	1" = 50'
OF	
3	

AS BUILT 8/81



RIP-RAP DETAIL
No Scale

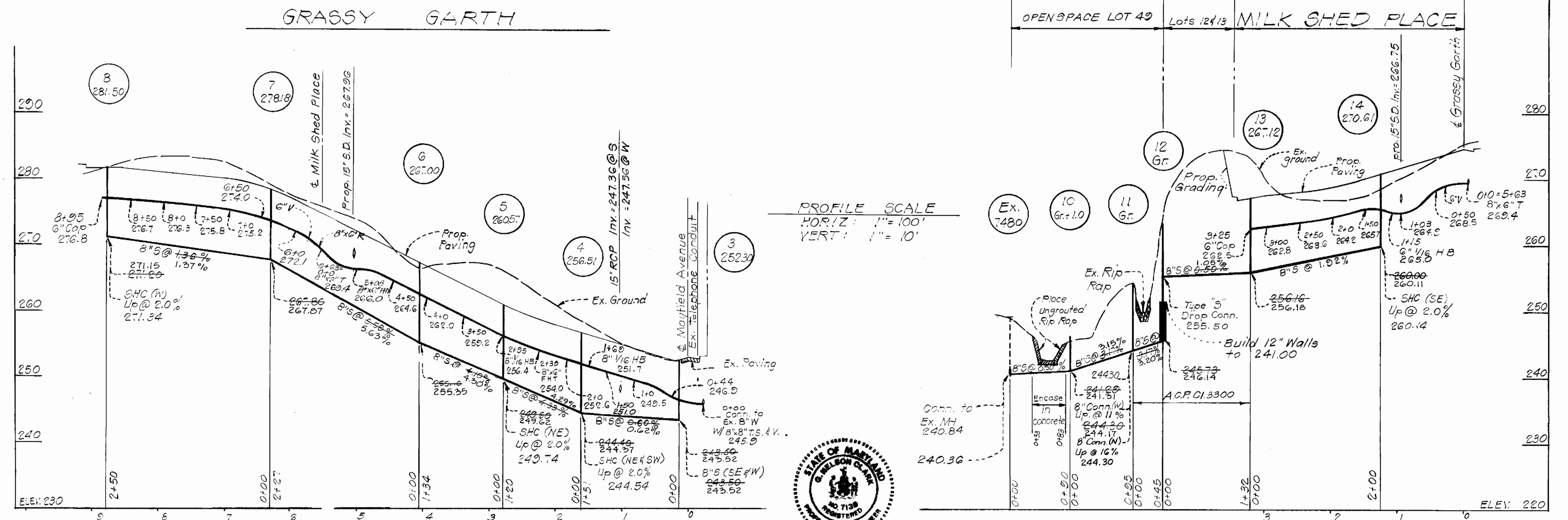


NOTES FOR RIP-RAP DETAIL

Erosion Control Fabric shall be PolyFilter-X as manufactured by Carthage Mills Inc. Erosion Control Division, 124 W 66th Street Cincinnati, Ohio. Laurel Erosion Control Cloth as manufactured by Laurel Plastic Inc. Madison, Maine, or approved equal.

Rock excavated from trench may be used for Rip-Rap provided the rocks used conform to the following:

Rip-Rap shall consist of dense rocks of random shapes and sizes, resistant to the action of air and water and suitable for stream & bank protection. All rocks shall weigh a minimum of 150 pounds.



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works DATE: 1-20-81
Chief, Bureau of Engineering DATE: 1-19-81

Chief, Bureau of Utilities DATE: 1/16/81
Chief, Land Development Division DATE:

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

CONTRACT NO. 14-0955-D

PROFILES OF WATER & SEWER MAINS

SECTION ONE
THOMPSON'S PURCHASE
1st ELECTION DISTRICT

DRAWING NO. 3 OF 3
SCALE As Shown

REVISION NO.	DATE	DESCRIPTION
1	2-3-81	Realign Sewer Main.