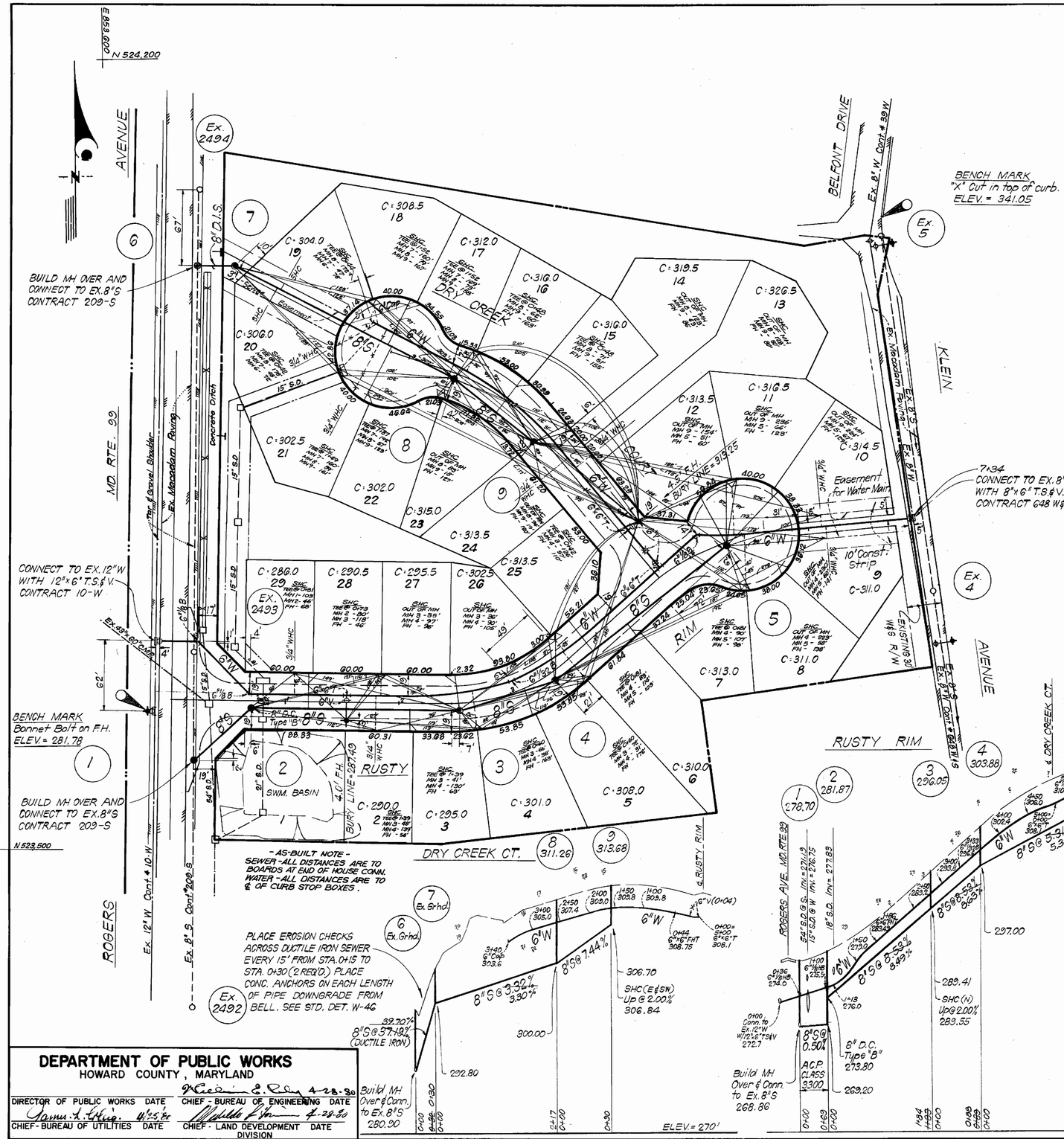

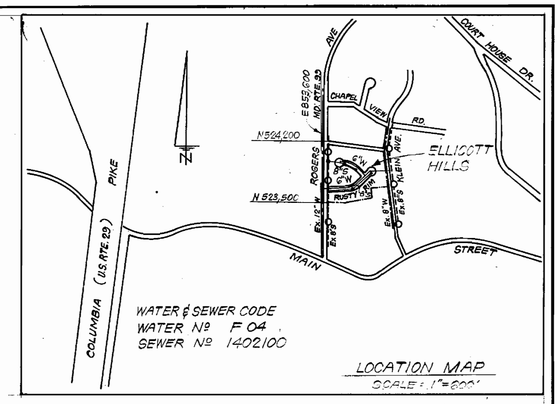

GENERAL NOTES

1. All water mains to be C.I.P., D.I.P. unless otherwise shown.
2. Top of all water mains to have a minimum of 3.5 ft. cover unless otherwise noted.
3. All valves shall be strapped to face in accordance with standard details
4. Block all fittings with concrete, see standards bound in specifications.
5. 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.
6. All sewer mains shall be C.S.P.X., V.C.P.X. or A.C.P. Class 2400 unless otherwise noted.
7. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
8. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
9. 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.
10. All horizontal controls are based on Maryland State Coordinates.
11. All vertical controls are based on U.S.G.S. Datum.
12. All pipe elevations shown are invert elevations.
13. Clear all utilities by a minimum of 0", clear all poles by 2'-0" minimum or tunnel as required.
14. For all standard details see standards bound in specifications.
15. Contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
16. 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 - Customer Service 685-0123
    Baltimore Gas and Electric Company - Customer Service 685-0123
    Chesapeake and Potomac Telephone Co. - 725-9976.
    American Telephone and Telegraph - Cable Location Division - 301-393-3553.
    Colonial Pipeline Company - 781-4641.
17. 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.
18. 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.
19. 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.
20. The Contractor shall notify The BUREAU OF UTILITIES, HOWARD COUNTY, Phone 992-2366 prior to making any ties to the existing system.
21. The Contractor shall not operate any water main valves on the exist. system.

STATE OF MARYLAND — 6,145 SQ. MILES — REGISTERED ENGINEER

4-11-80

Sediment Control Measures for this Contract will be implemented in accordance with Section 14 of the Specifications.

QUANTITIES			
ITEM	ESTM'D.	AS-BUILT	MATERIAL / SUPPLIER
8" Sewer	872 LF	840 L.F.	JOHN MANSVILLE CO.
6" Water	1074 LF	1,107 L.F.	D.I.P. US PIPE CO.
Fire Hydrants	2 Ea.	2 Ea.	M&H
6" Valves (Excluding F.H. Valves)	3 Ea.	3 Ea.	M&H

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

SIGNATURE 4.22.80 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. Rhone 4-22-80
Howard S.C.D. DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS	DATE	CHIEF - BUREAU OF ENGINEERING	DATE
James A. Irving	4-25-80	Charles Lin	4-28-80
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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Hedge F. Numuys 4-28-80
DIRECTOR OF PUBLIC WORKS DATE

CONTRACT NO. 14-0904-D

PLAN OF WATER & SEWER MAINS

ELLICOTT HILLS
2nd ELECTION DISTRICT

DRAWING NO. 1 OF 1

SCALE 1"=50'

AS-BUILT, AUG. 8, 1980