

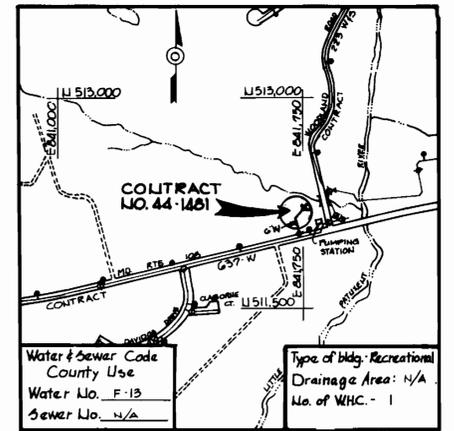
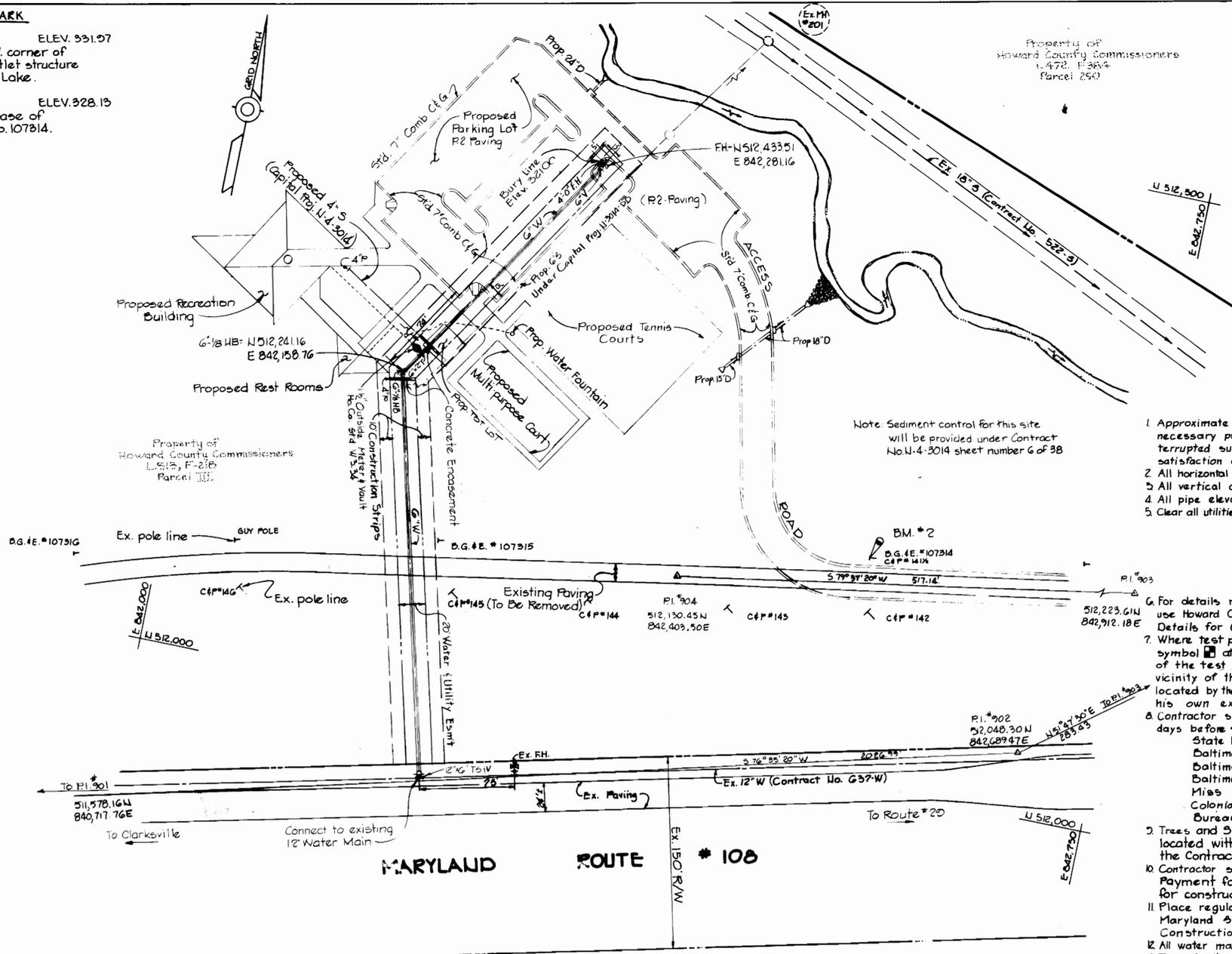
Sediment Control measures for this contract will be implemented in accordance with article 15 of the specifications and as shown on this plan and Capital Project No. N-4-3014.

Howard Soil Conservation District: Reviewed for Howard Soil Conservation District and meets technical requirements.

U.S. Soil Conservation Service Date: This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District

Howard Soil Conservation District Date:

BENCH MARK
 B.M. #1 ELEV. 931.97
 Box Cut in SW corner of wing wall of outlet structure for Centennial Lake.
 B.M. #2 ELEV. 928.13
 R.R. Spike in base of B.G. & E. pole No. 107814.

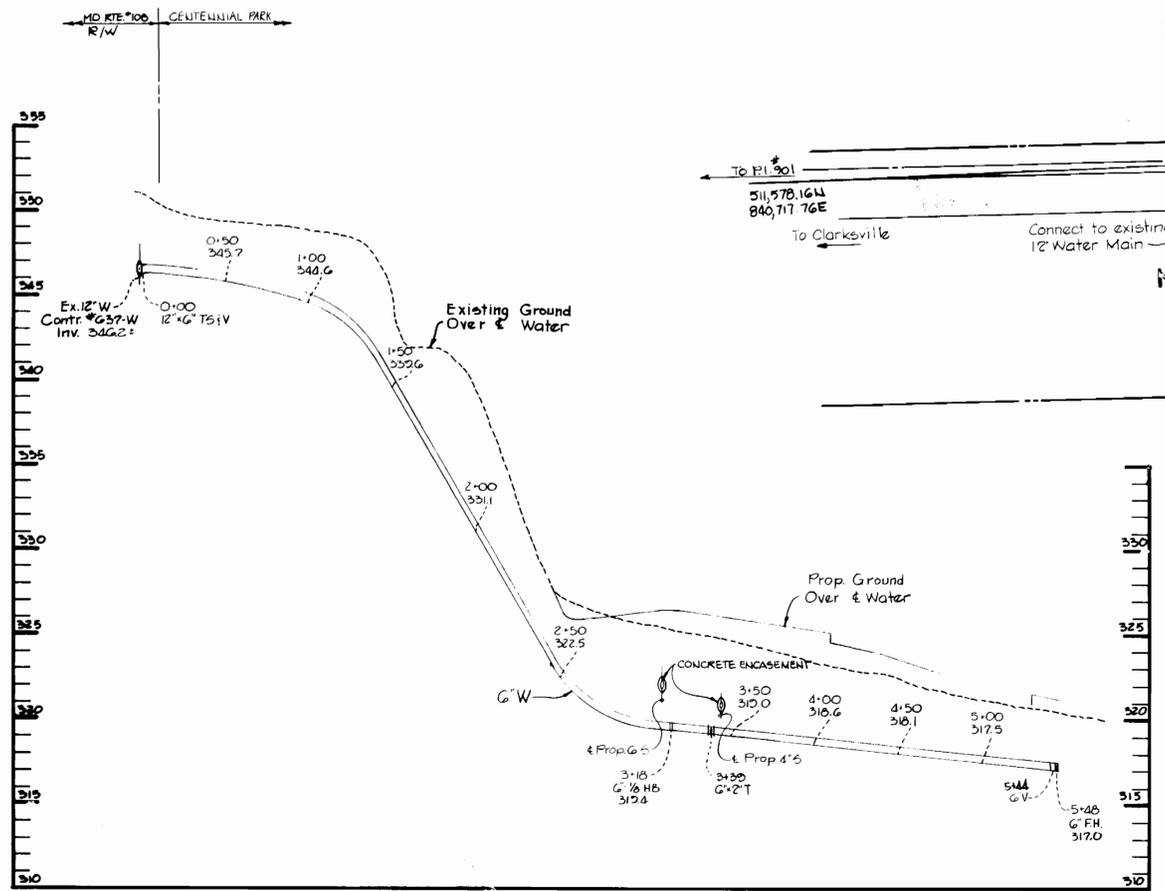


VICINITY MAP
SCALE: 1"=600'

GENERAL NOTES

- Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing main and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on U.S.G.S. data.
- All pipe elevation shown are invert \ominus elevations.
- Clear all utilities by a minimum of 6'.
- For details not shown on the drawing, and materials and construction methods, use Howard County Design Manual, Volume IX, Standard Specifications and Details for Construction. The contractor shall have a copy of Volume IX on the job.
- Where test pits have been made on existing utilities, they are noted by the symbol \boxplus at the location of the test pit. A note or notes containing the results of the test pit or pits is included on the drawing. 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 construction operations at his own expense.
- Contractor shall notify the following utilities or agencies at least five working days before starting work shown on these plans:
 State Highway Administration - 531-5533
 Baltimore Gas and Electric Co - Contractor Services - 561-2585
 Baltimore Gas and Electric Co - Underground Damage Control - 234-5621
 Baltimore Gas and Electric Co - Trouble Shooting - 298-3015
 Mies Utility - 1-800-257-7777
 Colonial Pipeline Co. - 795-1530
 Bureau of Utilities, Howard County Department of Public Works 792-2366
- Trees and Shrubs are to be protected from damage to maximum extent. Trees located within construction strip are not to be removed or damaged by the Contractor.
- Contractor shall remove trees, roots and stumps along line of excavation. Payment for such removal shall be included in the unit price bid for construction of the main.
- 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.
- All water main to be D.I.P. unless otherwise noted.
- Top of all water mains to have a minimum of 3/4" cover unless otherwise noted.
- Valves adjacent to trees shall be strapped to trees.
- All fittings shall be buttressed or anchored with concrete in accordance with the standard details unless otherwise provide for on the drawings.
- 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 100541008 of the General Requirements for Water & Sewer.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on the existing system.
- For all copper water house connections utilize flared type fittings only.
- Profile stations shall be adjusted as necessary to conform to Plan dimensions.
- No pipe shall be laid until lines of excavation have been brought to subgrade.

PLAN
SCALE: 1"=50'



PROFILE SCALE: HORIZ-1"=50' VERTI-1"=5'

ITEM	QUANTITIES		BUILT/MATERIAL SUPPLIER
	ESTIMATED	AS BUILT	
G' WATER	546 LF		
FIRE HYDRANT	1 EA.		
12" G' T&V	1 EA.		

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: [Signature] 8-12-86
 Chief, Bureau of Engineering: [Signature] 8-12-86
 Chief, Utility Design Division: [Signature] 8/12/86
 Chief Bureau of Utilities: [Signature] 8/12/86

THE RIEMER GROUP INC
 3105 HEALTH PARK DRIVE
 ELLICOTT CITY, MARYLAND 21043



DES: D.A.M.	
DRN: F.D.M.	
CHK: L.J.D.	
DATE: 5-26-86	
BY: NO.	
REVISION	
DATE	

PLAN AND PROFILE OF A
 WATER MAIN
 600' SCALE MAP NO. 30 BLOCK NO.

CENTENNIAL PARK PHASE THREE
 SOUTH DAM AREA
 ELECTION DISTRICT NO. 2
 HOWARD COUNTY, MARYLAND
 CONTRACT NO. 44-1481
 SCALE AS SHOWN
 SHEET 1 OF 1