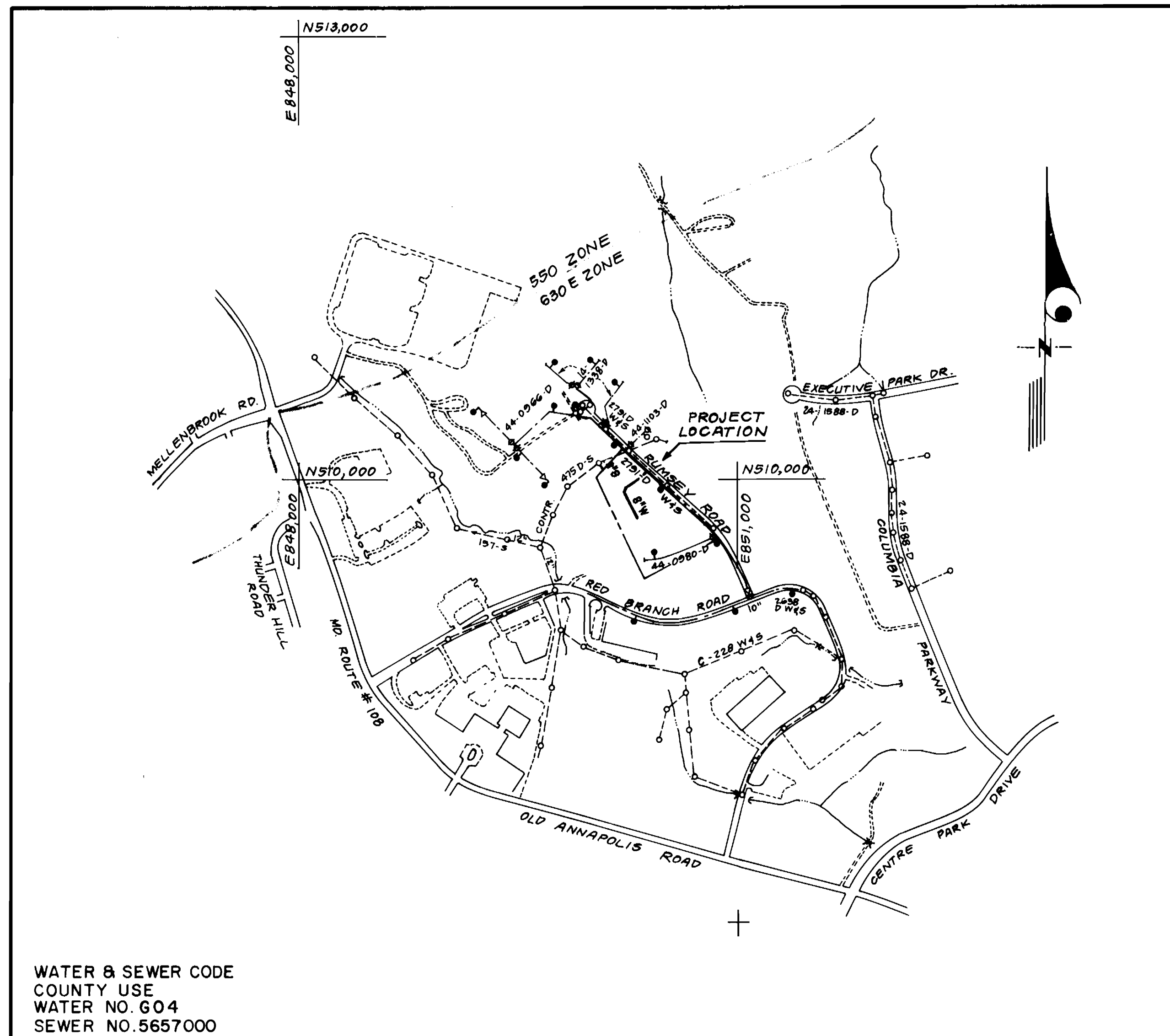


TYPE OF BUILDING	GMP FACILITY
NO. OF LOTS	1
NO. OF WHC's	1
NO. OF SHC's	1
DRAINAGE AREA	LITTLE PATUXENT



WATER & SEWER CODE
COUNTY USE
WATER NO. G04
SEWER NO. 5657000

VICINITY MAP
SCALE: 1" = 600'

GENERAL NOTES

- 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.
- 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. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
- For details not shown on the drawings use Howard County Standard Details.
- 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 Amendments, on the job site.
- 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.
- 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 - 913-4900
 - Colonial Pipeline Company - 795-1390
- 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 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.
- 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 mains to be D.I.P. Class 52 unless otherwise noted.
- Top of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- Block all fittings with concrete.
- 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.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on the existing system.
- All sewer mains shall be C.S.P.X., V.C.P.X., or R.V.C. 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.
- 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'.
- Manholes designated thus: WT, shall have a Watertight Frame and Cover.

CONTRACT NO. 24-3112-D
OAKLAND RIDGE INDUSTRIAL PARK
SECTION TWO
LOT 94
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

QUANTITIES			
ITEM	EST'D	AS BUILT	MATERIAL/SUPPLIER
8" W	444 LF	197 LF	CALEVIN PIPE PRODUCTS
6" W	10 LF	10 LF	"
8" S	20 LF	31 LF	J. M. MANUFACTURING
FIRE HYDRANTS	2 EA	2 EA	MUELLEK CI
6" V (Excl. F.H.)	1 EA	1 EA	MUELLEK CI

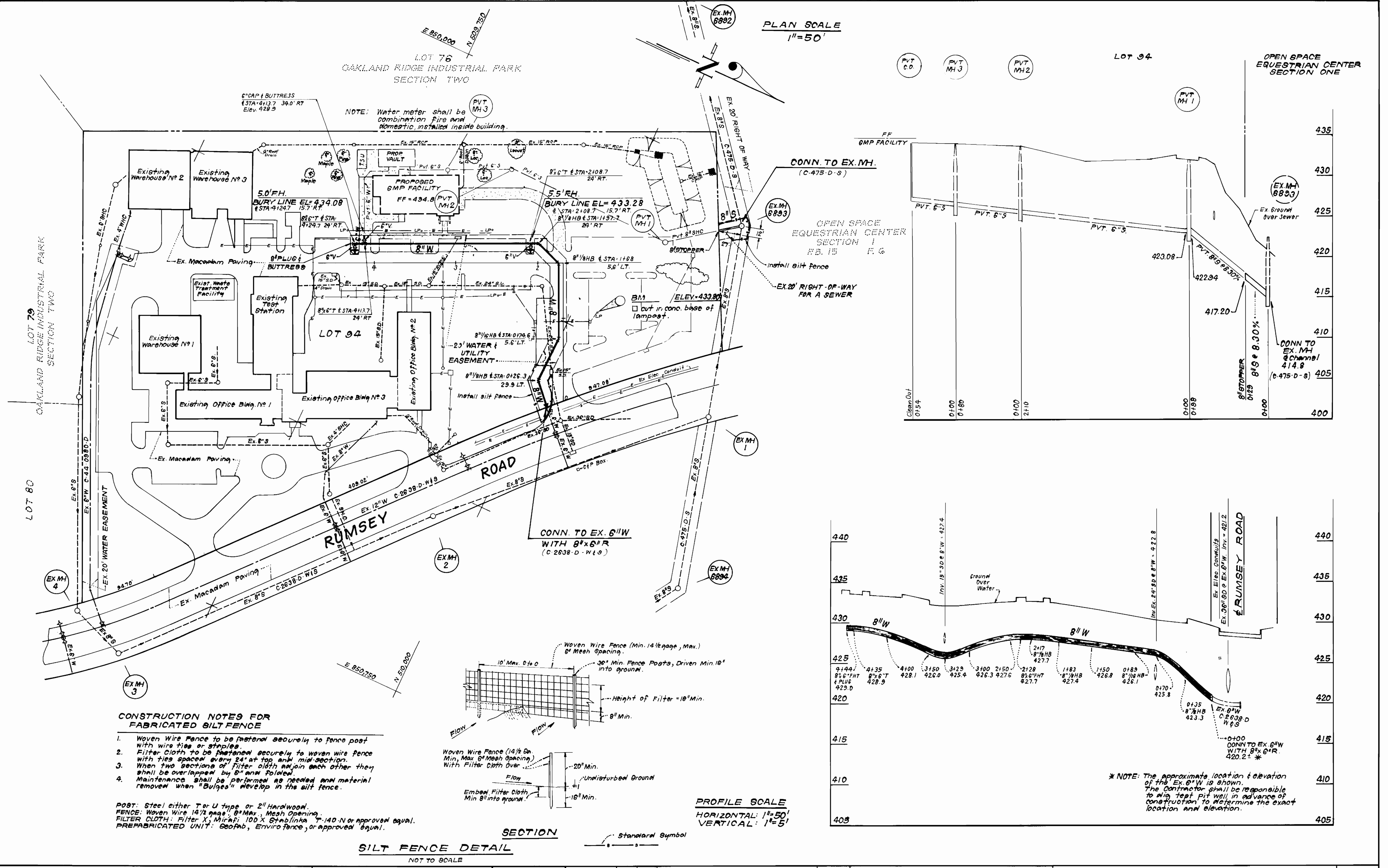
Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Site Development Plan SDP-91-77; Drawing 1 of 2 Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
James H. Pile / *John* 3/22/91
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
John H. Pile 3/22/91
HOWARD S.C.D. DATE

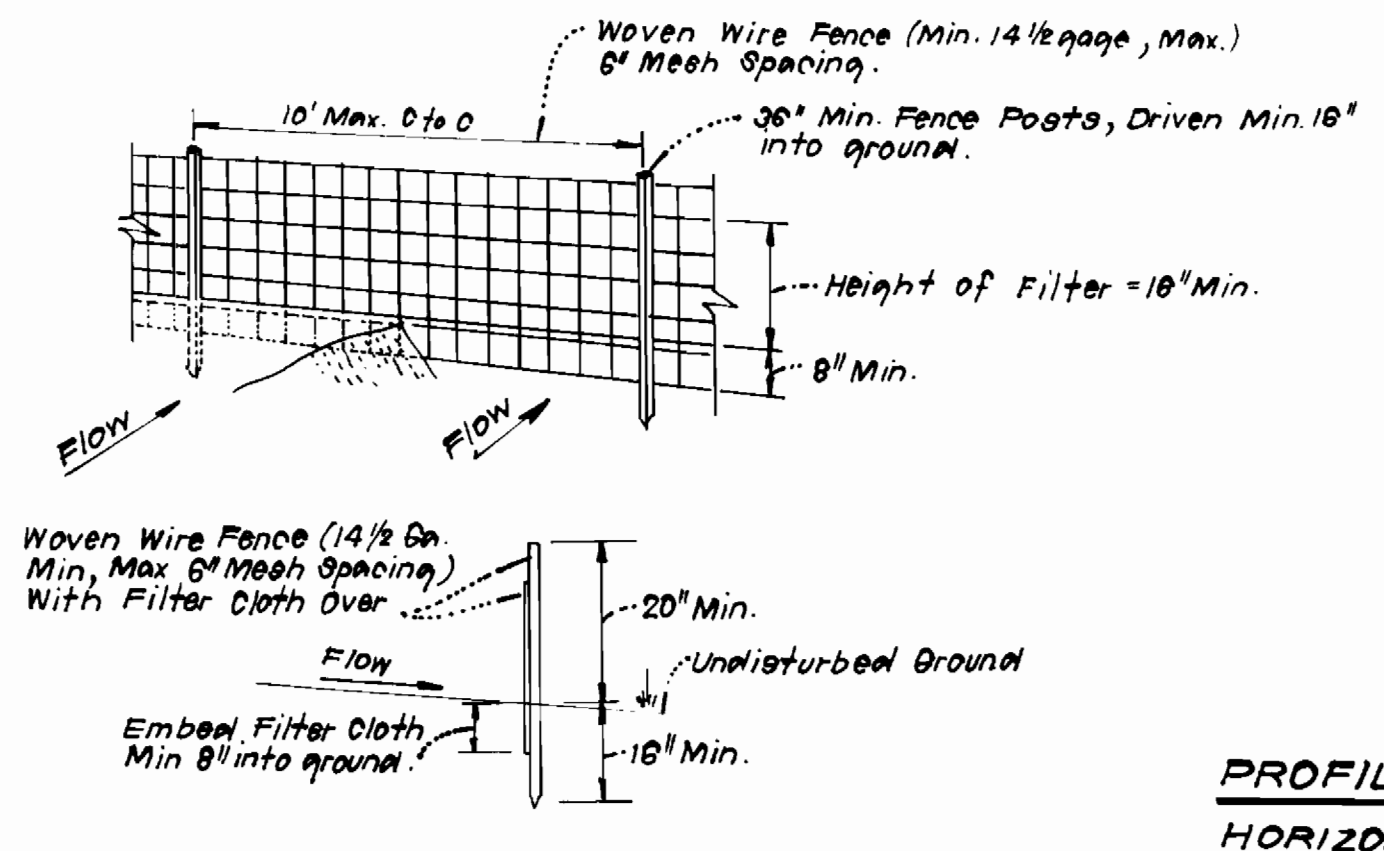
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>James H. Pile</i> 3/25/91 DIRECTOR OF PUBLIC WORKS DATE <i>John H. Pile</i> 3/20/91 CHIEF, BUREAU OF UTILITIES DATE	CLARK - FINEFROCK & SACKETT, INC. ENGINEERS - PLANNERS - SURVEYORS 7135 MINSTREL WAY COLUMBIA MARYLAND 21045 (301) 381-7500 BALTO. (301) 621-8100 WASH.	STATE OF MARYLAND DEPARTMENT OF PUBLIC WORKS 12-13-90	DES: C.C.M. DRN: V.L.M. CHK: C.C.M. JTR 1 DATE: 06-10-90	2 1 1 BY NO. REVISION DATE 2 1 1 7-8-92	TITLE SHEET 600' SCALE MAP NO. 30 BLOCK NO.	COLUMBIA OAKLAND RIDGE INDUSTRIAL PARK SECTION TWO LOT 94 2 ND ELECTION DISTRICT CONTRACT NO. 24-3112-D 4-19-95	SCALE AS SHOWN SHEET 1 OF 2 CFB # 90-134
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CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. Woven Wire Fence to be fastened securely to fence post with wire ties or staples.
2. Filter Cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid-section.
3. When two sections of filter cloth meet, they shall be overlapped by 6" and stapled.
4. Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.

POST: Steel either T or U type or 2" Hardwood.
 FENCE: Woven Wire 14 1/2 gage, 8" Max. Mesh Opening.
 FILTER CLOTH: Filter Cloth, Mirafix 100 X Stablinks T-140-N or approved equal.
 PREFABRICATED UNIT: Geofab, Enviro Fence, or approved equal.



SECTION
SILT FENCE DETAIL
 NOT TO SCALE

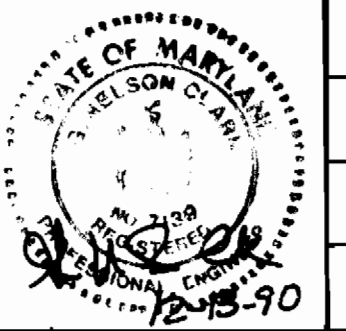
PROFILE SCALE
 HORIZONTAL: 1"=50'
 VERTICAL: 1"=5'

* NOTE: The approximate location & elevation of the Ex. 6" W is shown. The contractor shall be responsible to dig test pit well in advance of construction to determine the exact location and elevation.

DEPARTMENT OF PUBLIC WORKS
 HAWARD COUNTY, MARYLAND

Director of Public Works: *James P. Shaw* 3-25-91
 Chief, Bureau of Engineering: *William B. Reid* 3-25-91
 Chief, Bureau of Utilities: *Robert A. Berman* 3-20-91
 Chief, Land Development Div.: *John G. ...* 3/2/91

CFS CLARK · FINEPROCK & SACKETT, INC.
 ENGINEERS · PLANNERS · SURVEYORS
 7135 MINSTREL WAY COLUMBIA MARYLAND 21045
 (301) 381-7500 BALTO. (301) 621-8100 WASH.



DES: C.C.M.				
DRN: V.L.M.				
CHK: C.C.M.	2	REV. LOCATION OF 8" W & 6" W AND EX. SITE SEWER	7-8-92	
JTR	1	Rev location of 6" 18" W and Pvt. On Site Sewer		
DATE: Dec. 1990	BY NO.	REVISION	DATE	

600' SCALE MAP NO. 30 BLOCK NO. _____

COLUMBIA
 OAKLAND RIDGE INDUSTRIAL PARK
 SECTION TWO LOT 94
 2ND ELECTION DISTRICT
 CONTRACT NO. 24-3112-D