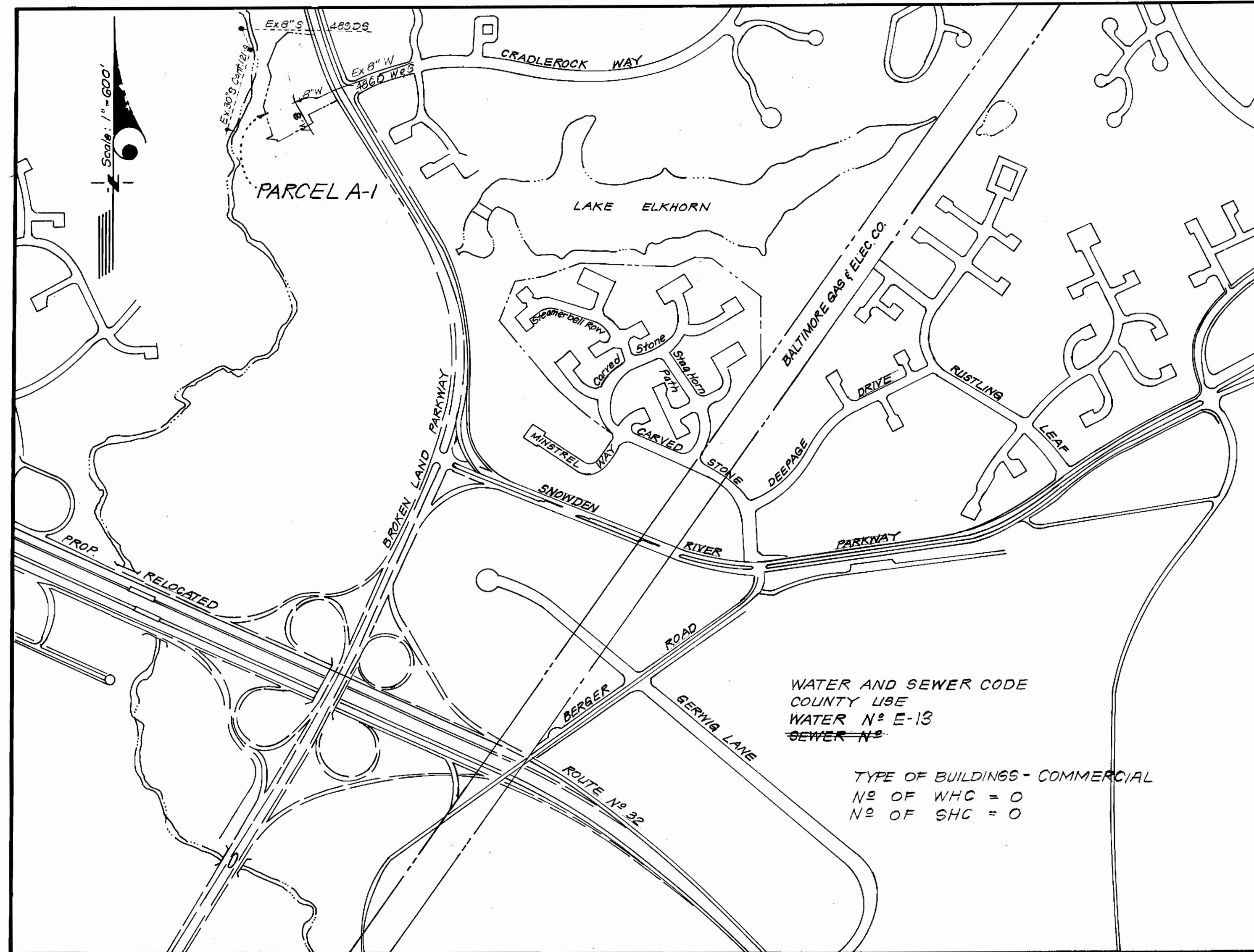


Prior to the issuance of any permit for a commercial or industrial structure, The Howard Research and Development Corporation or the purchaser of this property must enter into a Developer Agreement to provide for the construction of a transmission water main between Snowden River Parkway and Cradlerock Way to provide adequate fire service to the tract. No Site Development Plan or Resubdivision of the parcels will be approved until the Developer Agreement, construction drawings, bonds, and all other necessary documents have been delivered to and approved by the County.



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 main 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 3-15 of the Standard Specifications.
- All sewer mains shall be C.C.P.X., V.C.P.X., or A.C.P. Class 2400 unless otherwise noted.
- The developer 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 developer 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.
- Developer shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
- Developer shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans.
State Highway Administration - 531-5633
Baltimore Gas and Electric Company - Customer Service - 685-0123
Bureau of Utilities, Howard County - 992-2360

Chesapeake and Potomac Telephone Co. - 725-9976
American Telephone and Telegraph Cable Location Division - 301-303-3553
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 Developer.
- Developer shall remove trees, stumps and rocks along line of excavation as directed by the Engineer.
- 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.
- The Developer shall not operate any water Main Valves on the existing system.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

James M. Hahn 12/22/80
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:
Robert W. Ziehm 12/22/80
Howard S.P.D. DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James L. G. G. G. 12/22/80
CHIEF BUREAU OF UTILITIES DATE
Michael F. ... 12-23-80
CHIEF LAND DEVELOPMENT DATE
DIVISION

CONTRACT NO. 44-0954D W
VILLAGE OF OWEN BROWN
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

QUANTITIES		
ITEM	ESTM'D AS-BUILT	MATERIAL/SUPPLIER
8" Sewer		
8" Water	717 LF	
6" Water		
6" Valve (Excluding F.V. Valves)	2 EA	
Fire Hydrants	2 EA	
8" Valves	4 EA	



COLUMBIA
A RESUBDIVISION OF PARCEL "A"
SECTION 3 AREA 1
LOTS A-1 AND A-2
CONTRACT 44-0954-D

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

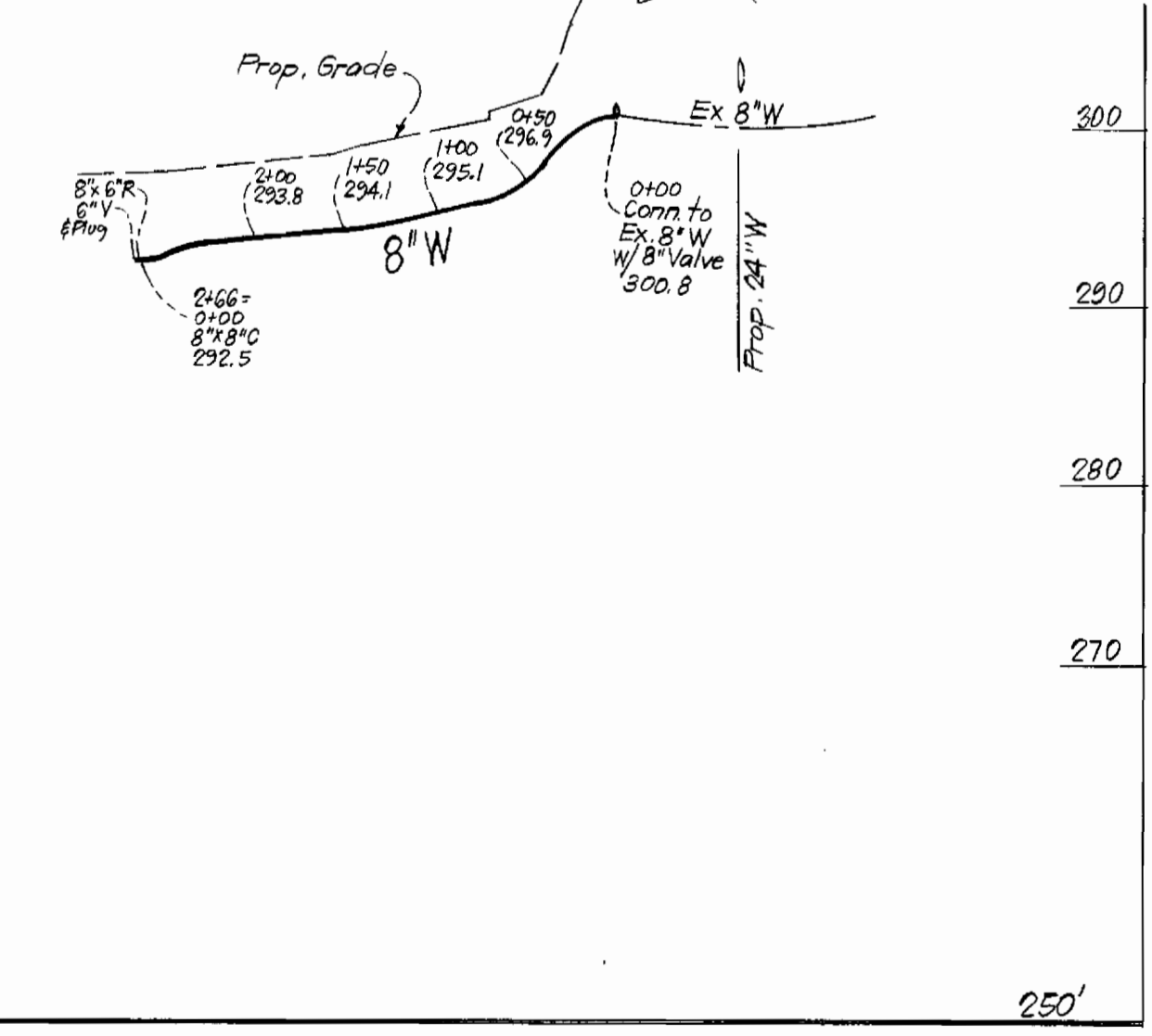
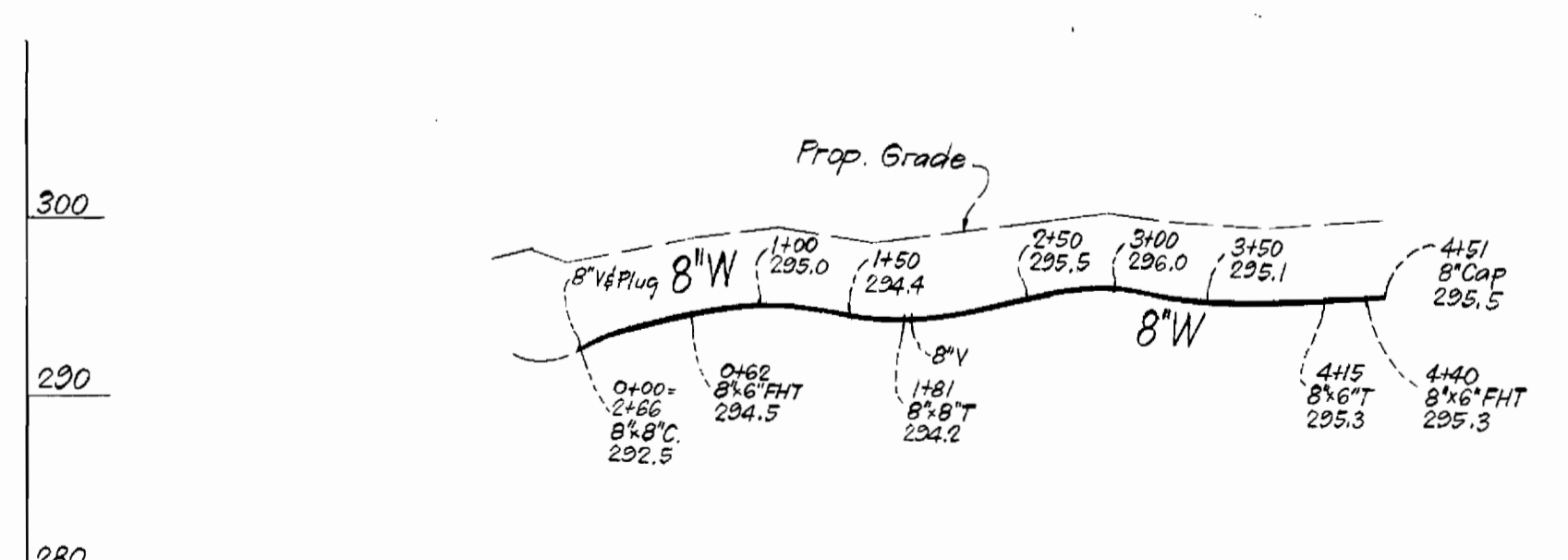
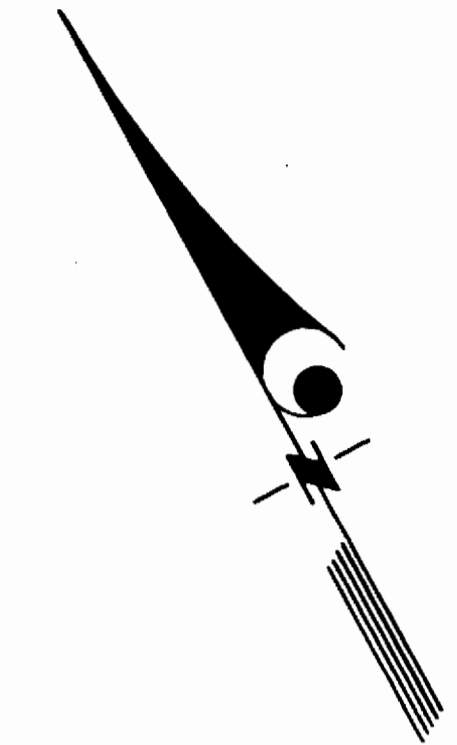
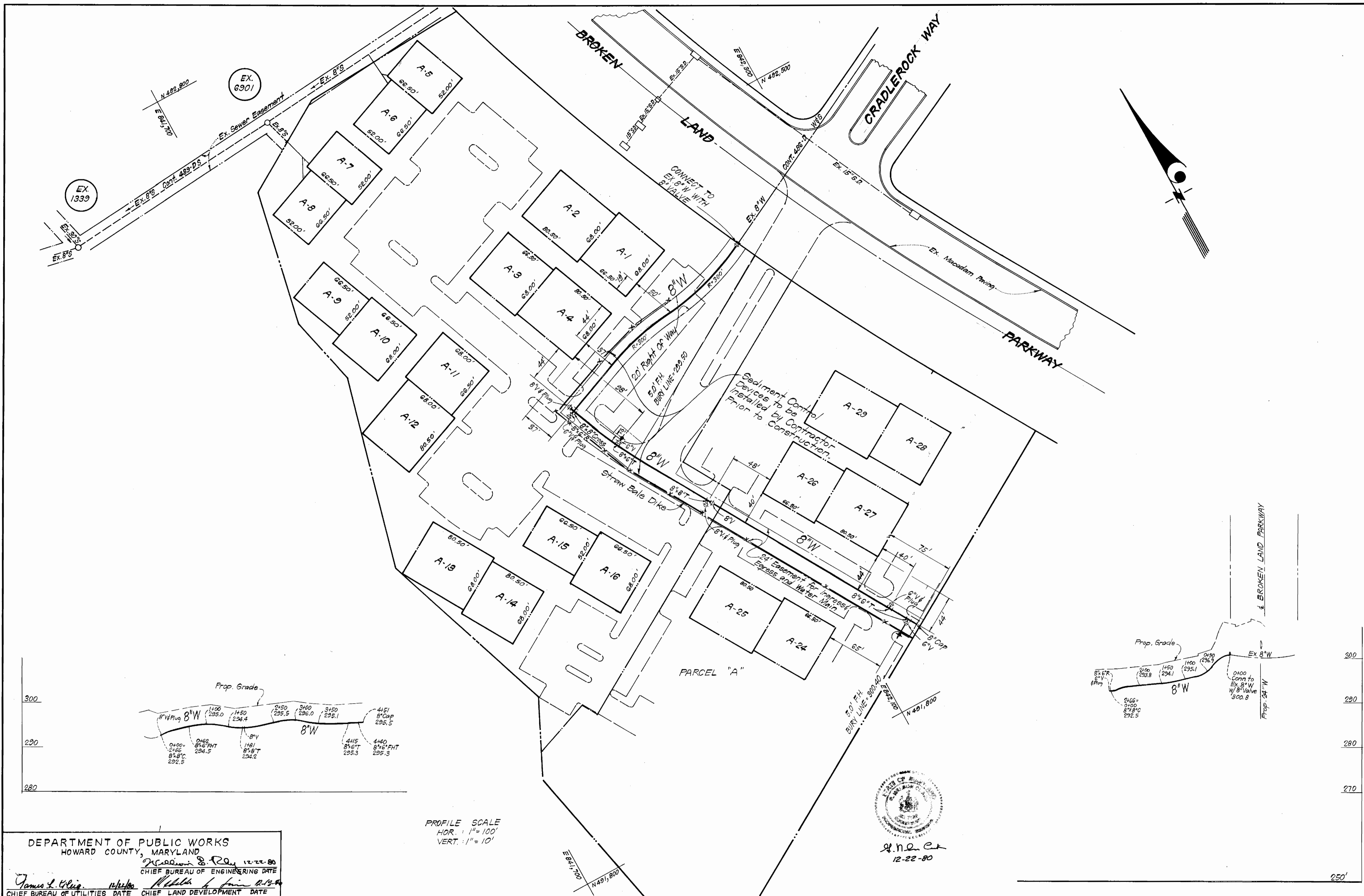
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
John F. Nemley 12-23-80
DIRECTOR OF PUBLIC WORKS DATE

CONTRACT NO. 44-0954D

PLAN OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT - GUILFORD No. 6

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



PROFILE SCALE
 HOR. : 1" = 100'
 VERT. : 1" = 10'

J. N. C.
 12-22-80

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
William S. Ray 12-22-80
 CHIEF BUREAU OF ENGINEERING DATE
James L. Glisp 12/22/80
 CHIEF BUREAU OF UTILITIES DATE
William S. Ray 12/22/80
 CHIEF LAND DEVELOPMENT DATE

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

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
William S. Ray 12-23-80
 DIRECTOR OF PUBLIC WORKS DATE

CONTRACT NO. 44-0954 D

PLAN OF
 WATER & SEWER MAINS

COLUMBIA
 VILLAGE OF OWEN BROWN
 ELECTION DISTRICT - GUILFORD No. 6

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