

GENERAL NOTES

PART I

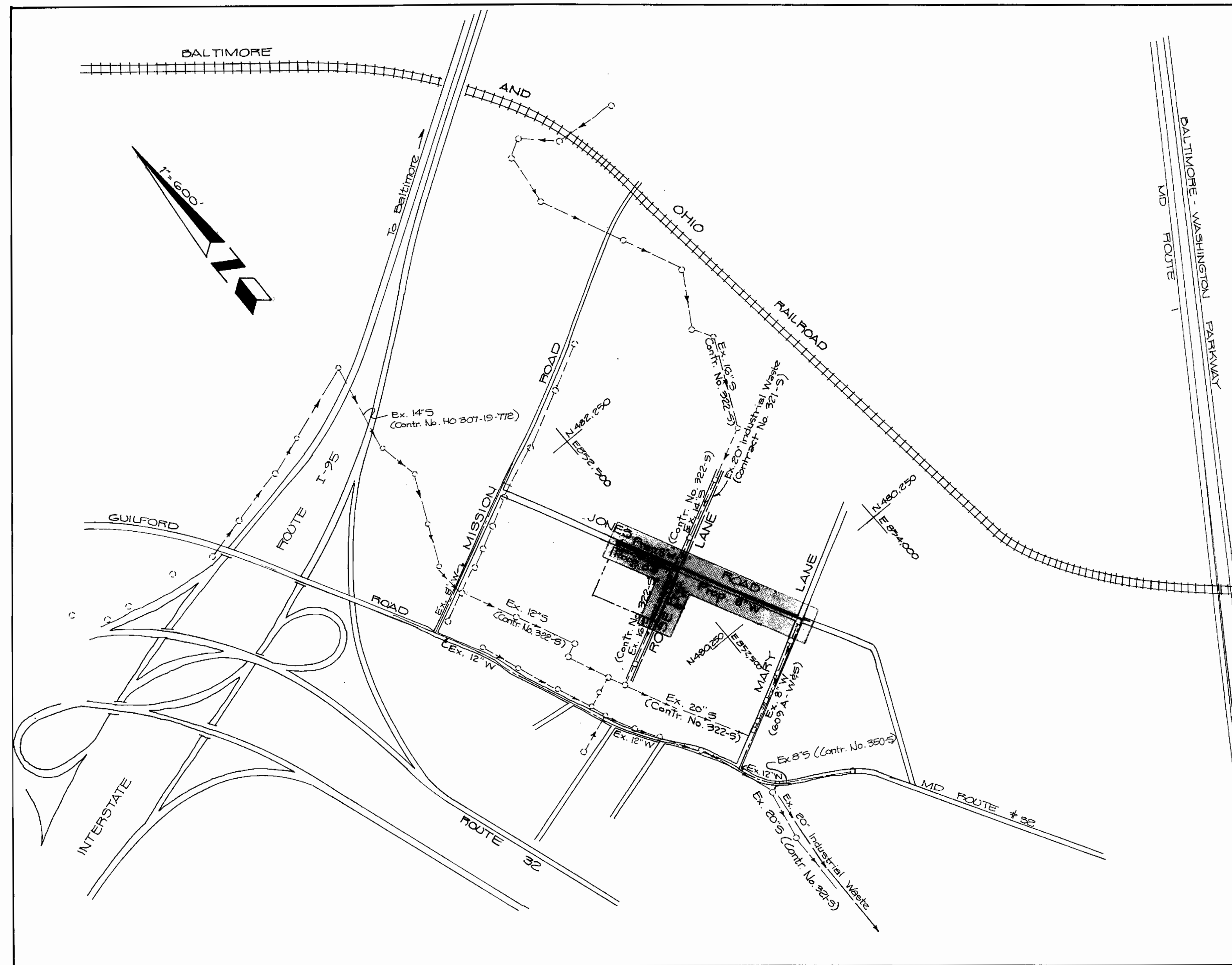
1. Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer, at the Contractor's expense.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S. Datum.
4. All pipe elevations shown are invert elevations.
5. 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.
6. For details not shown on the drawings use Howard County Standard Details.
7. For materials and construction methods use Howard County Standard Specifications.
8. 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.
9. 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 Electric Distribution Customer Service - 685-0123
 - Baltimore Gas & Electric Company - Underground Gas Distribution Customer Service - 685-0123
 - Engineering - "Damage Control" - 234-5673
 - "Miss Utility" - 1-559-0100
 - Chesapeake & Potomac (C&P) Telephone Company - 725-9976
 - American Telephone and Telegraph - Cable Location Division - 393-3553
 - Colonial Pipeline Company - 781-4641
 - Bureau of Utilities Howard County - 992-2366
10. 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.
11. Contractor shall remove trees, stumps and roots 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.
12. 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.

WATER - PART II

1. All water mains to be C.I.P. or D.I.P. unless otherwise noted.
2. Top of all water mains to have a minimum of 3'-1" cover unless otherwise noted.
3. Valves adjacent to tees shall be strapped to tees.
4. Block all fittings with concrete.
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 hydrant to be compacted in accordance with Section 5-15 of the Standard Specifications.
6. All water house connections shall be for an inside meter setting.
7. The contractor shall not operate any water main valves on the existing system.

SEWER - PART III

1. All sewer mains shall be C.S.P.X., V.C.P.X., or A.C.P. Class 2400 unless otherwise noted.
2. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
3. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
4. Force mains shall be D.I.P. only.
5. Manholes shown with 12" and 16" walls are brick manholes only.
6. Manholes designated W.T. in plan and profile shall have watertight frame and covers, Standard Details S-12 (RCR-63A). Where watertight manhole frame and cover is used, set top of frame 1'-6" above finished grade.
7. House(s) with the symbol "C.N.S." indicated that cellar can not be served.



NOTES

Type of Buildings - Single Family
 Number of Lots - 17
 Number of WHC - 7
 Drainage Area - Little Patuxent Water Quality Management Ctr.
 Number of SHC - 7
 Water Zone B-03
 Sewer Zone 4400000

QUANTITIES

Item	Estimated	As-Built	Material/Supplier
8" S	527'	521	ACP Class 2400/Johns Manville
8" W	1960'	1957	DIP-CL 32/Griffin
6" W	31'	55.5	DIP-CL 32/Griffin
6" SHC	148'	115.5	ACP-CL 2400/Johns Manville
3/4" WHC	66'	115.6	Type K Soft Copper
8" x 6" FHT	3 ea.	3	MA Hydrant Tee/Griffin
F.H. & V	3 ea.	3	M&H by Dresser/Griffin
8" V	3 ea.	3	M&H/Griffin
6" V	1 ea.	1	M&H/Griffin
8" x 8" Cross	1 ea.	1	M&H/Griffin
8" x 6" B	2 ea.	2	M&H/Griffin
8" Cap	2 ea.	2	M&H/Griffin
6" Cap	1 ea.	1	M&H/Griffin
8" x 6" T	1 ea.	1	M&H/Griffin
MH	3 ea.	3	M4301A 602A Brick M4303A Precast

**CONTRACT NO. 24-0944-D
 JONES ROAD & ROSE LANE
 WATER AND SEWER EXTENSIONS
 HOWARD COUNTY, MARYLAND**

George J. Shea

E. L. K.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

William F. Newman 1-9-81
 DIRECTOR OF PUBLIC WORKS DATE
John S. Brown 11/6/81
 CHIEF BUREAU OF ENGINEERS DATE
John S. Brown 11/6/81
 CHIEF UTILITY DIVISION DATE

PRC TOUPS
 ENGINEERS, PLANNERS, SURVEYORS
 1370 PICCARD DRIVE
 ROCKVILLE, MARYLAND 20850
 301-840-1300

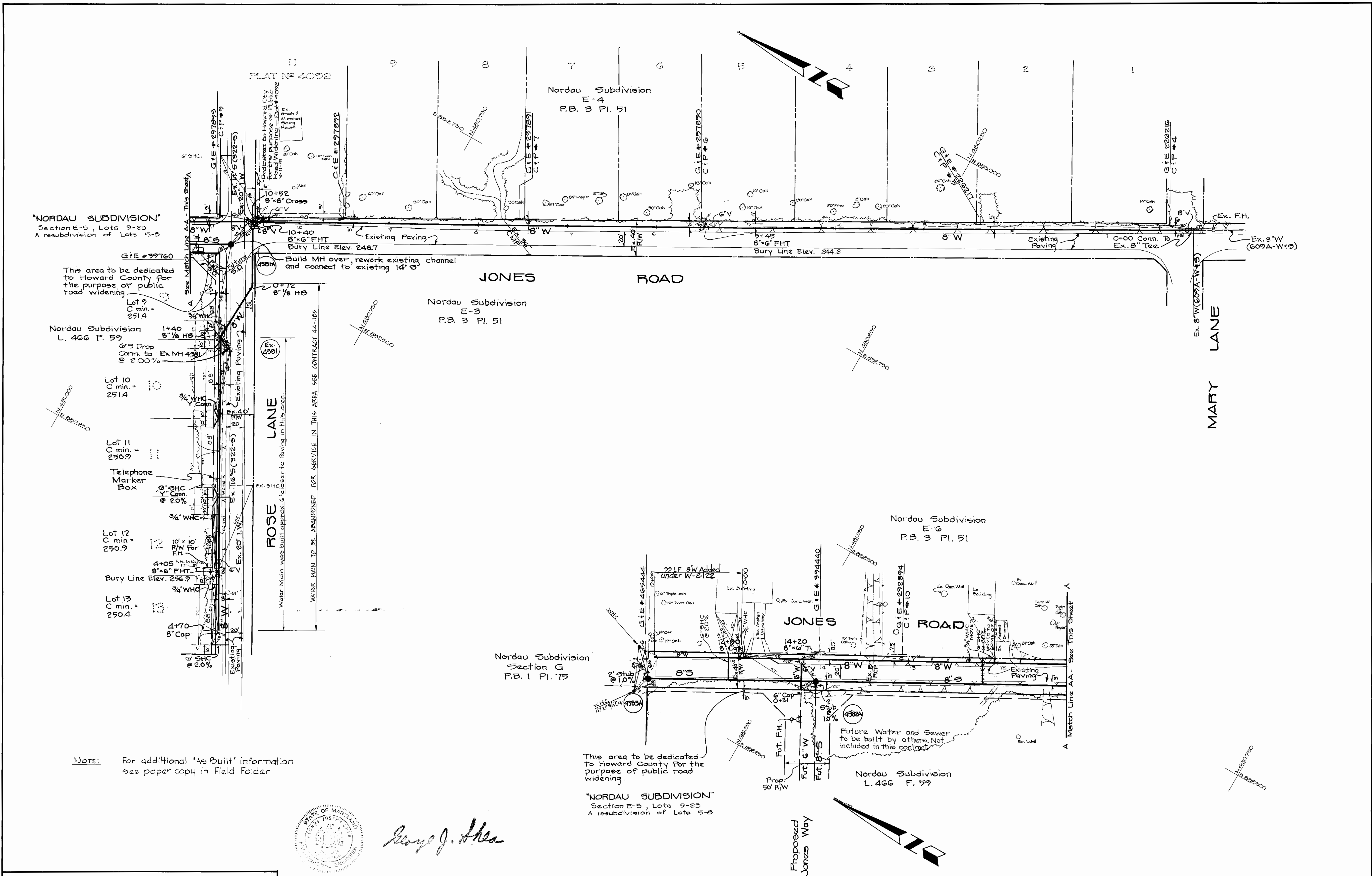
CONTRACT NO. 24-0944-D

CAPITAL PROJECT
 NO. U-2-7086

COVER SHEET

NORDAU SUBDIVISION
 ELECTION DISTRICT GUILFORD NO. 6
 HOWARD COUNTY, MARYLAND
 To Serve Jones Road and Rose Lane ~ 1300 NE
 of MD. Rte. 32 between I-95 & Rte. 1.

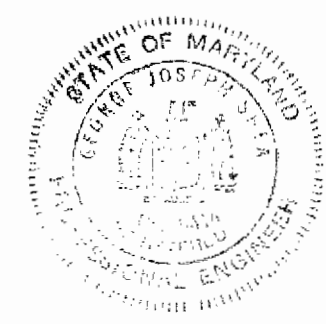
DRAWING NO. 1 OF 3 SCALE 1"=600'



NOTE: For additional 'As Built' information see paper copy in Field Folder

This area to be dedicated to Howard County for the purpose of public road widening.

"NORDAU SUBDIVISION" Section E-5, Lots 9-23 A resubdivision of Lots 5-8



George J. Shea

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

William F. Newman 1/8/81
DIRECTOR OF PUBLIC WORKS DATE

William E. Reynolds
CHIEF BUREAU OF ENGINEERING DATE

John M. Roney 1/8/81
CHIEF OFFICE OF UTILITIES DATE

Allen J. Brown 1/6/81
CHIEF UTILITY DIVISION DATE

PRC TOUPS
ENGINEERS, PLANNERS, SURVEYORS
1370 PICCARD DRIVE
ROCKVILLE, MARYLAND 20850
301-840-1300

CONTRACT No 24-0944-D
CAPITAL PROJECT
No U-9-7086

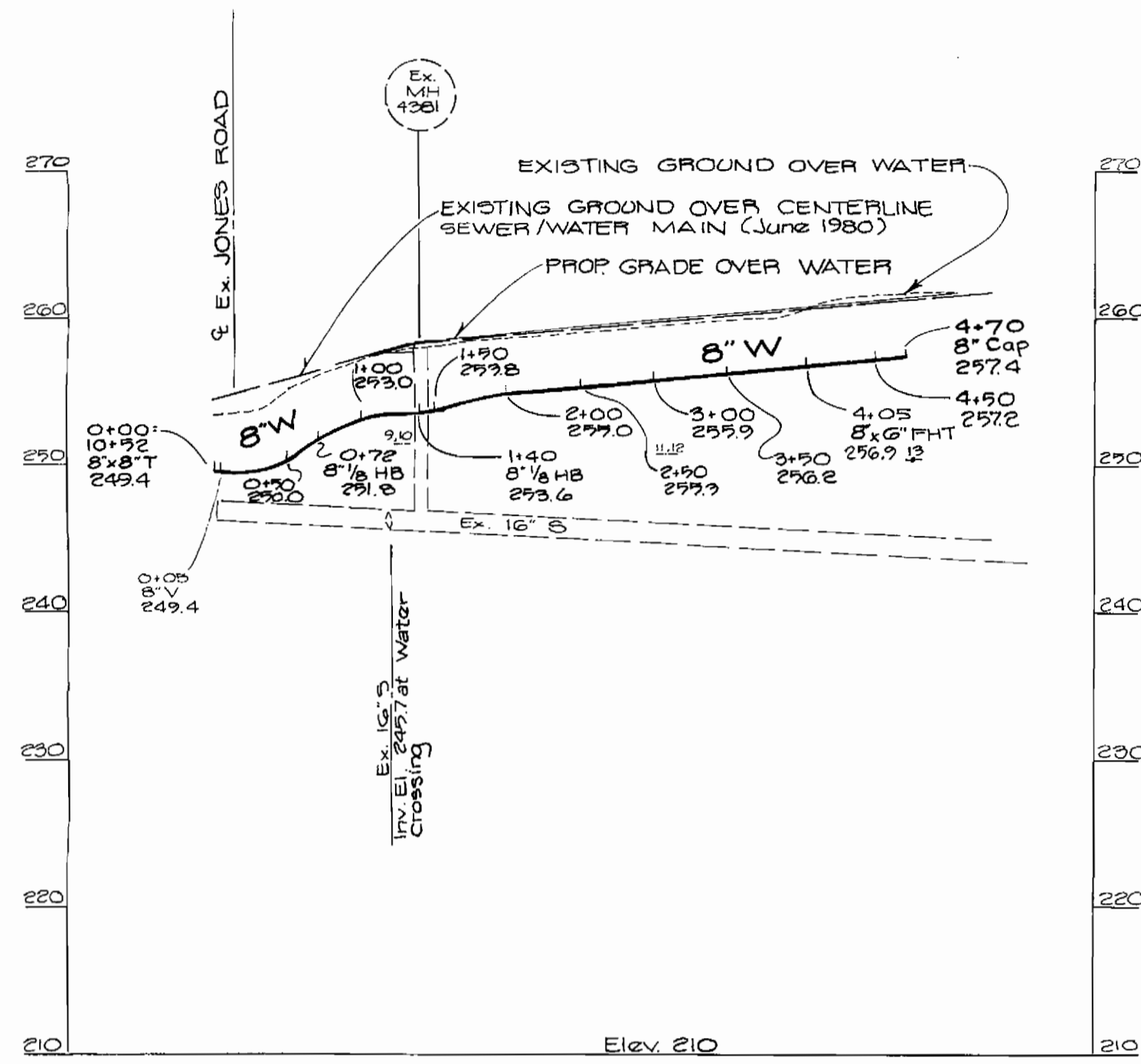
WATER AND SEWER
PLAN

6-17-81	1	Added 22 L.F. 8" W# 2 W.H.C. @ North End Jones Rd under W-8122
Date	Rev. No	Revision Description

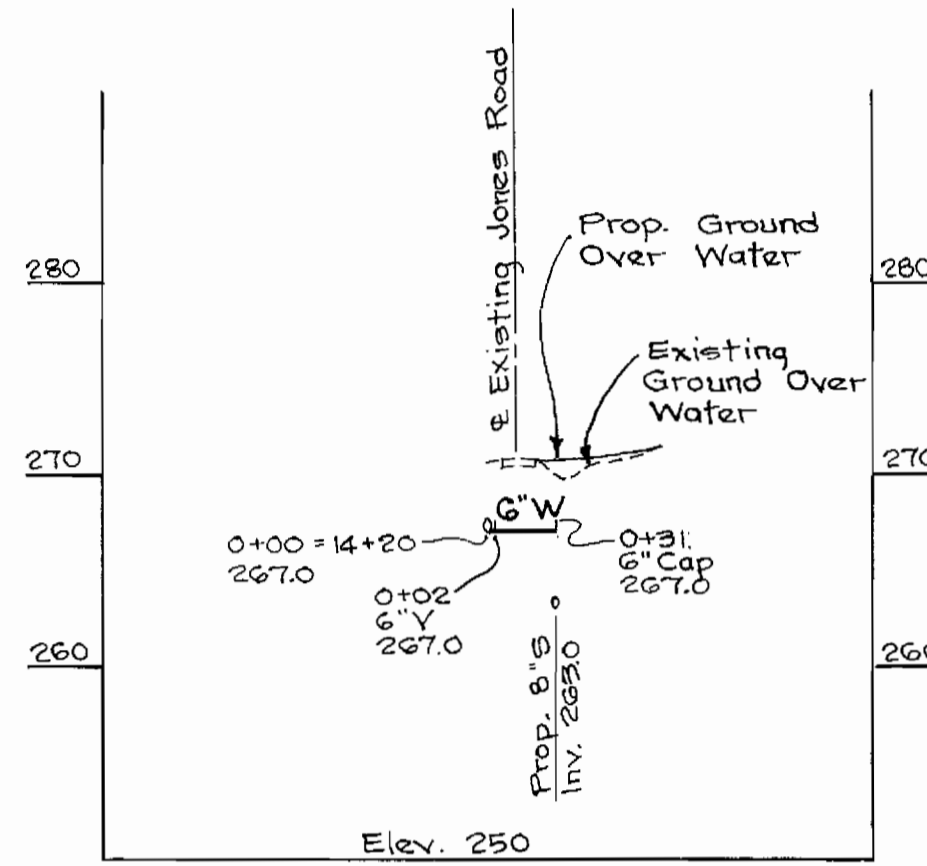
NORDAU SUBDIVISION
ELECTION DISTRICT GULFORD No 6
HOWARD COUNTY, MARYLAND
To Serve Jones Road and Rose Lane - 1300± NE of MD. Rte. 32 between I-95 + Rte. 1.

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

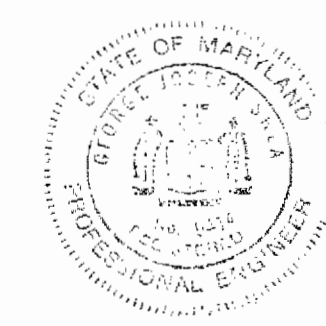
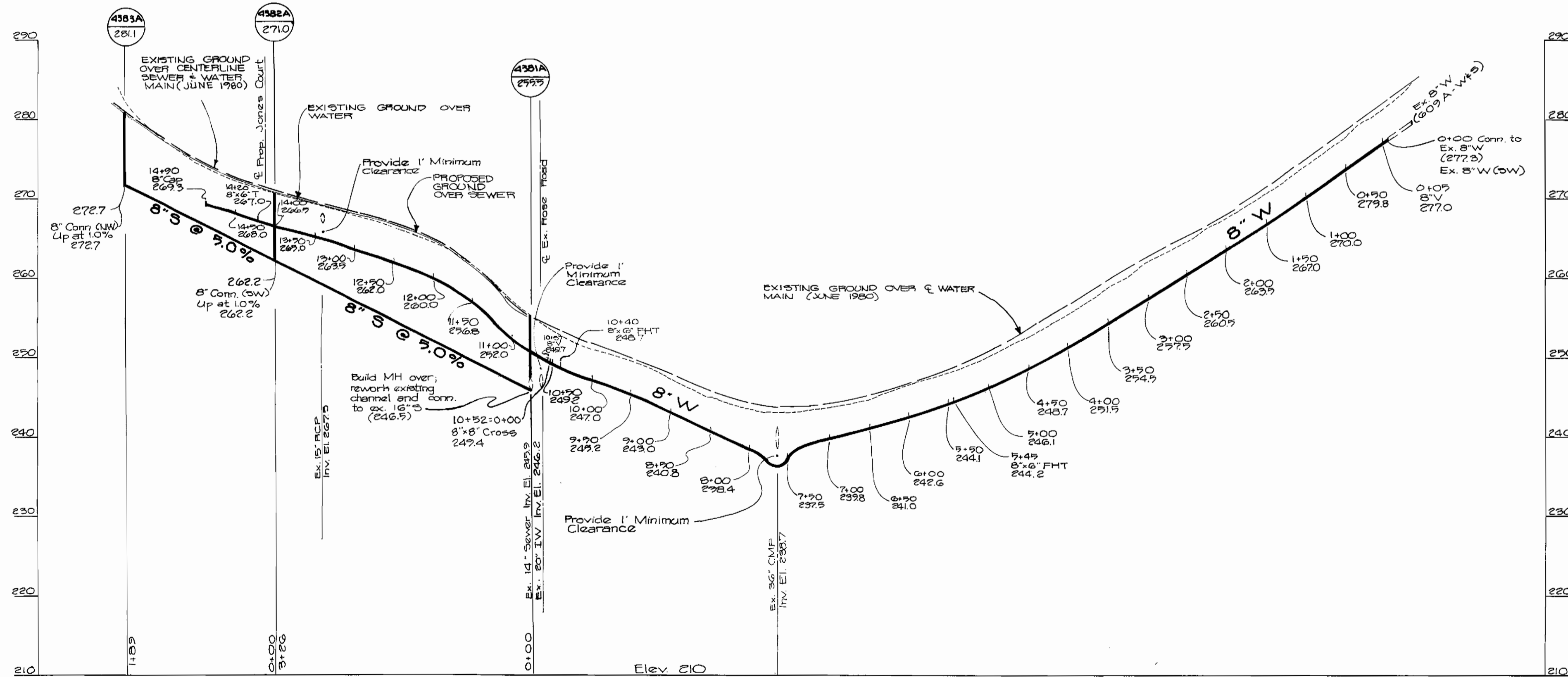
ROSE LANE



JONES WAY



JONES ROAD



George J. Shea

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND F. Newman 1-9-81 Director of Public Works Allen S. Brown 1/6/81 Chief Bureau of Utilities		PRC TOUPS ENGINEERS, PLANNERS, SURVEYORS 1370 PICCARD DRIVE ROCKVILLE, MARYLAND 20850 301-840-1300		CONTRACT NO. 24-0944-D CAPITAL PROJECT NO. U-9-7086		NORDAU SUBDIVISION ELECTION DISTRICT GUILFORD No. 6 HOWARD COUNTY, MARYLAND To Serve Jones Road and Rose Lane - 1300' NE of MD Rte. 92 between I-96 & Rte 1.		DRAWING NO. 3 OF 3	SCALE Vert. 1"=10' Hor. 1"=100'
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