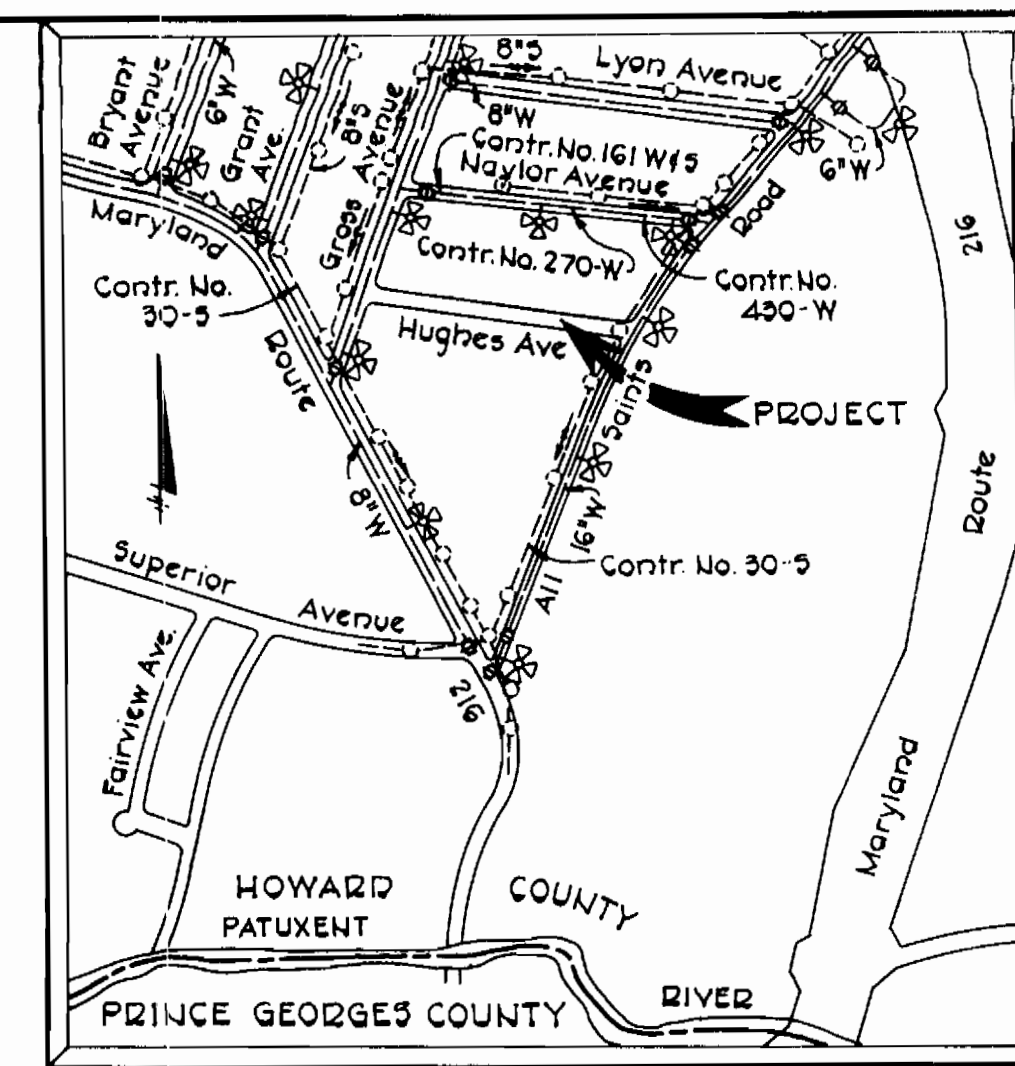
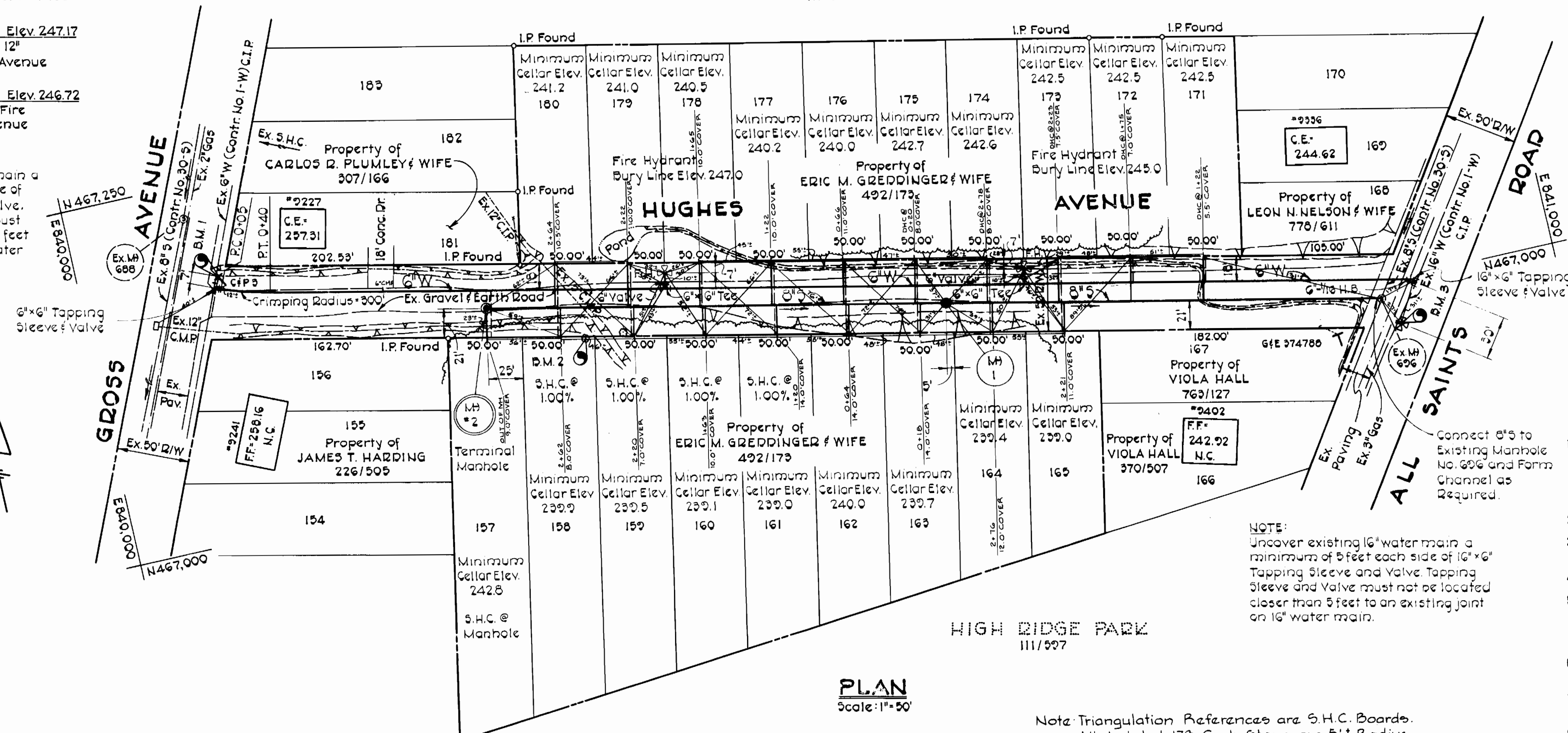


**BENCH MARKS**

- B.M. 1 Elev. 263.58  
I.R. Spike in CIP 5 at Gross Avenue and Hughes Avenue
- B.M. 2 Elev. 247.17  
I.R. Spike found in Twin 12" Maple South of Hughes Avenue
- B.M. 3 Elev. 246.72  
Roadside Bonnet Bolt, Fire Hydrant at Hughes Avenue and All Saints Road

NOTE: Uncover existing 6" water main a minimum of 5 feet each side of 6"x6" Tapping Sleeve and Valve. Tapping Sleeve and Valve must not be located closer than 5 feet to an existing joint on 6" water main.

**HIGH RIDGE PARK**  
111/597



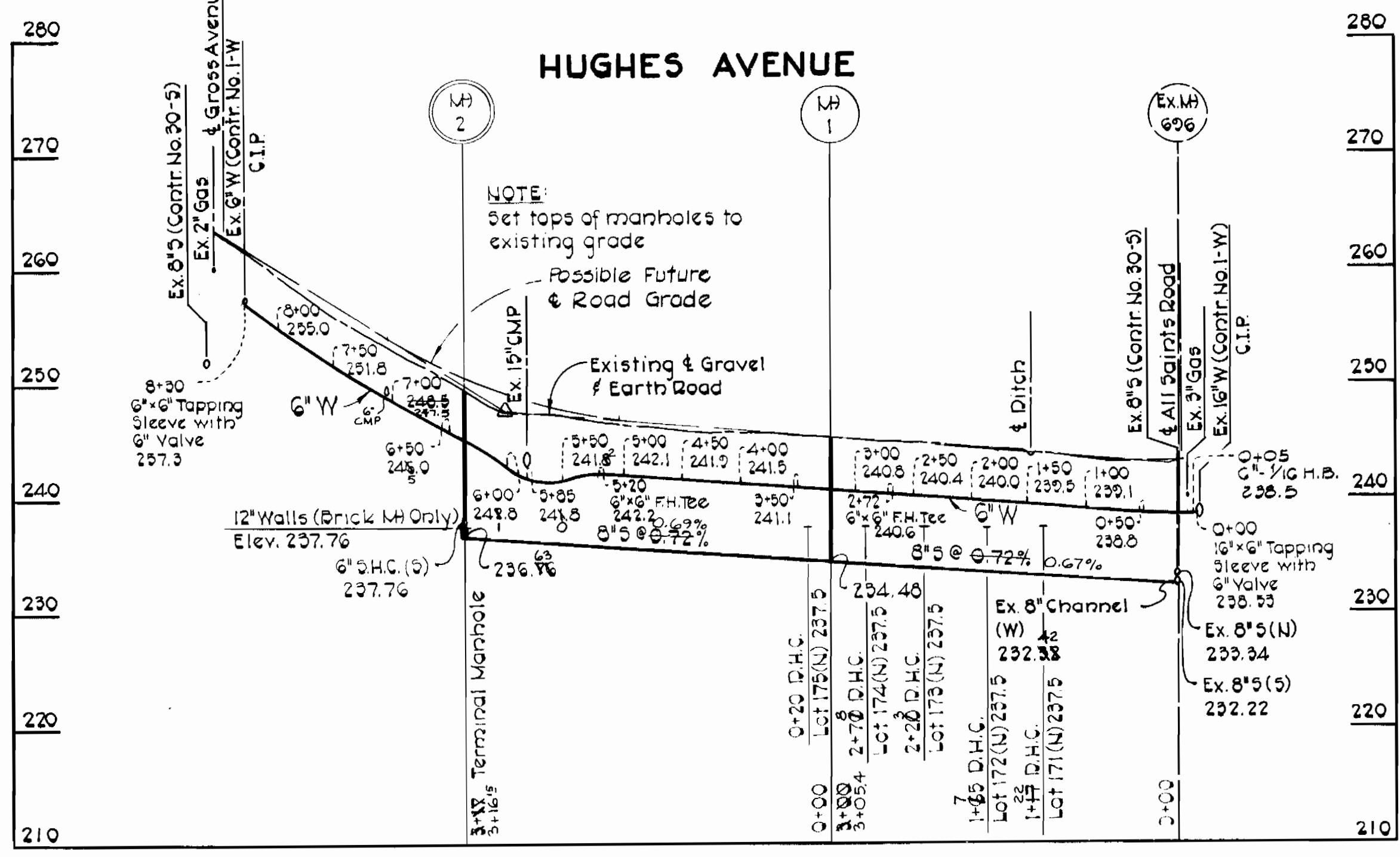
**VICINITY MAP**  
Scale: 1" = 600'

**GENERAL NOTES**

- Approximate locations of existing utilities are shown. The Contractor shall take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the Contractor's operation shall be repaired immediately at the Contractor's expense.
- All pipe elevations shown are invert elevations.
- The Contractor shall locate existing utilities well in advance of construction activities.
- See standard details bound in specifications.
- Clear all utilities by a minimum of 6 inches. Clear all utility poles by 2'-0" minimum or tunnel as required. Any costs incurred to the Contractor for tunneling or bracing poles shall be included in the unit price bid for excavation.
- The Contractor shall provide a pipe joint in all sewer mains within 2'-0" of exterior manhole walls.
- All manholes shall be 4'-0" inside diameter, unless otherwise noted.
- Buttress or anchor all water main fittings with concrete. All valves shall be strapped to tees in accordance with standard details.
- All water mains to have a minimum of 3.5' cover unless otherwise noted.
- All fire hydrants shall be strapped to the tee and shall be buttressed with concrete in accordance with standard details. Cost of strapping fire hydrants and valves to be included in the unit price bid for furnishing and installing fire hydrants. Soil around the fire hydrant to be compacted in accordance with Section 5-15 of the Standard Specifications.
- Bury line elevations on fire hydrants shall be set to the elevations shown on the plan.
- All horizontal and vertical controls are based on the Maryland State Grid System.

**PLAN**  
Scale: 1" = 50'

Note: Triangulation References are S.H.C. Boards. All but Lot 173 Curb Stops are 5' Radius-right and front of S.H.C. Boards. Lot 173 Curb Stop is 5' Radius-left and front of S.H.C. Board

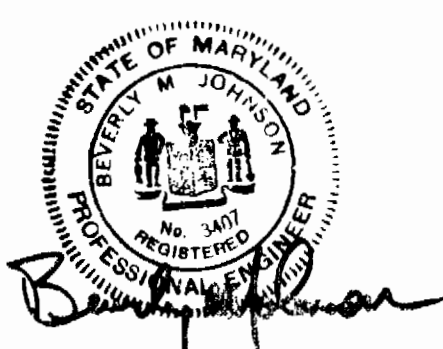


**PROFILE**  
Scale: Horiz. 1" = 100'  
Vert. 1" = 10'

8" Sewer Pipe - ACP - Class 2400 - JOHN MANSFIELD  
6" WATER - DIP - US PIPE

Item	Proposed	As-Built
8" Sewer	617 L.F.	613 L.F.
6" Water	639 L.F.	650 L.F.
Manholes	20 V.F.	22 V.F.
8" S.H.C.	479 L.F.	476 L.F.
3/4" W.H.C.	468 L.F.	512 L.F.
Fire Hydrants	2 Each	

CONTRACT NO. 2747-D-W&S  
HUGHES AVENUE  
HIGH RIDGE PARK  
WATER AND SEWER MAIN EXTENSION



**PURDUM & JESCHKE**  
ENGINEERS  
1023 N. CALVERT ST.  
BALTIMORE, MARYLAND

**DEPARTMENT OF PUBLIC WORKS**  
HOWARD COUNTY, MARYLAND  
DATE: 6-10-77  
CHIEF-BUREAU OF ENGINEERING

CONTRACT NO. 2747-D-W&S

PLAN OF  
WATER AND SEWER MAINS

HUGHES AVENUE  
HIGH RIDGE PARK  
WATER AND SEWER MAIN EXTENSION  
ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND

**DRAWING**  
NO. 1  
OF 1  
**SCALE**  
As Shown  
DESIGNED: RDB  
DRAFTED: ARZ  
CHECKED: TAF