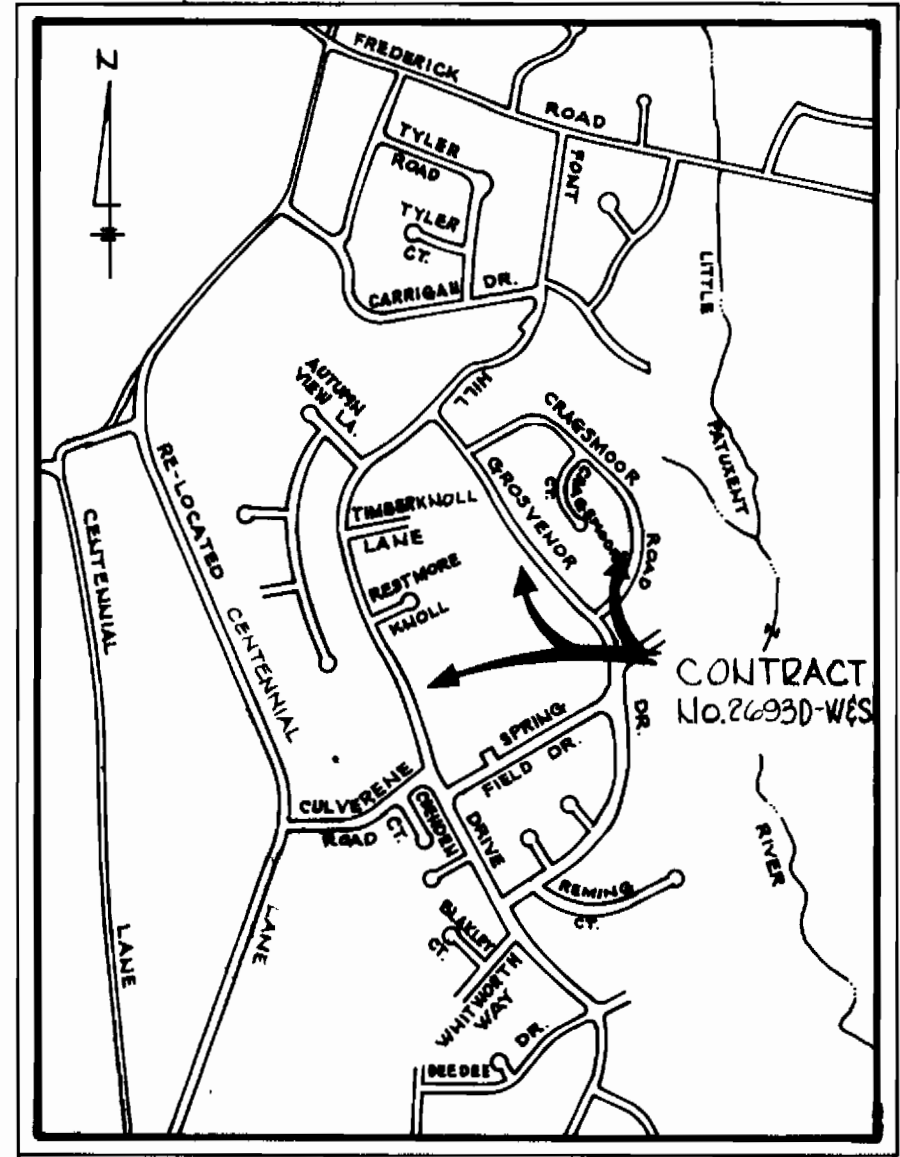


BENCH MARKS

W.R. & A. B.M. "Grosvenor" Elev. 404.66
Punch hole road side flange bolt Fire Hydrant
110' ± from end of paving Grosvenor Drive.

W.R. & A. B.M. "Cragmoor" Elev. 379.49
Punch hole road side flange bolt Fire Hydrant
175' ± from end of paving Cragmoor Drive.

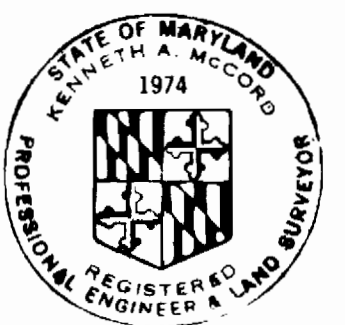
QUANTITIES	
ITEM	QUANTITY
8" Sewer	850 L.F. 866
8" Water	860 L.F. 859
6" Water	50 L.F. 380
F.H.	5



VICINITY MAP
Scale: 1" = 1200'

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.
- All pipe elevations shown are invert \bar{Q} elevations.
- The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
- The Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
Baltimore Gas and Electric Company, 284-5691.
Underground Electric - 559-0100.
Underground Gas -
Chesapeake and Potomac Telephone Company - 727-9976.
- For all standard details see standards bound in Specifications
- All horizontal and vertical controls are based on Maryland State Datum.
- Clear all utilities by a minimum of 6'; clear all poles by a minimum of 2'-0" or tunnel as required.
- All water mains shall be C.I.P., D.I.P. or A.C.P. unless otherwise noted.
- All water mains to have a minimum of 3 1/2' cover.
- All valves shall be strapped to tees where applicable in accordance with the Standard Details.
- Block all fittings with concrete, see standards bound in Specifications.
- Payment for strapping fire hydrants and valves will be included in unit price bid for furnishing and laying water mains.
- All fire hydrants shall be strapped and buttressed in accordance with standard details. Soil around the fire hydrant shall be compacted in accordance with Section 5-15 of the Standard Specifications.
- Bury line elevations on fire hydrants shall be set to elevations shown on drawings.
- All W.H.C.'s to be 1/4" diameter unless otherwise noted.
- Water services shall be for inside meter settings.
- All sewer mains shall be CSPX, VCPX, or ACP Class 2400 unless otherwise noted.
- All manholes to be 4'-0" inside diameter.
- The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manholes walls.



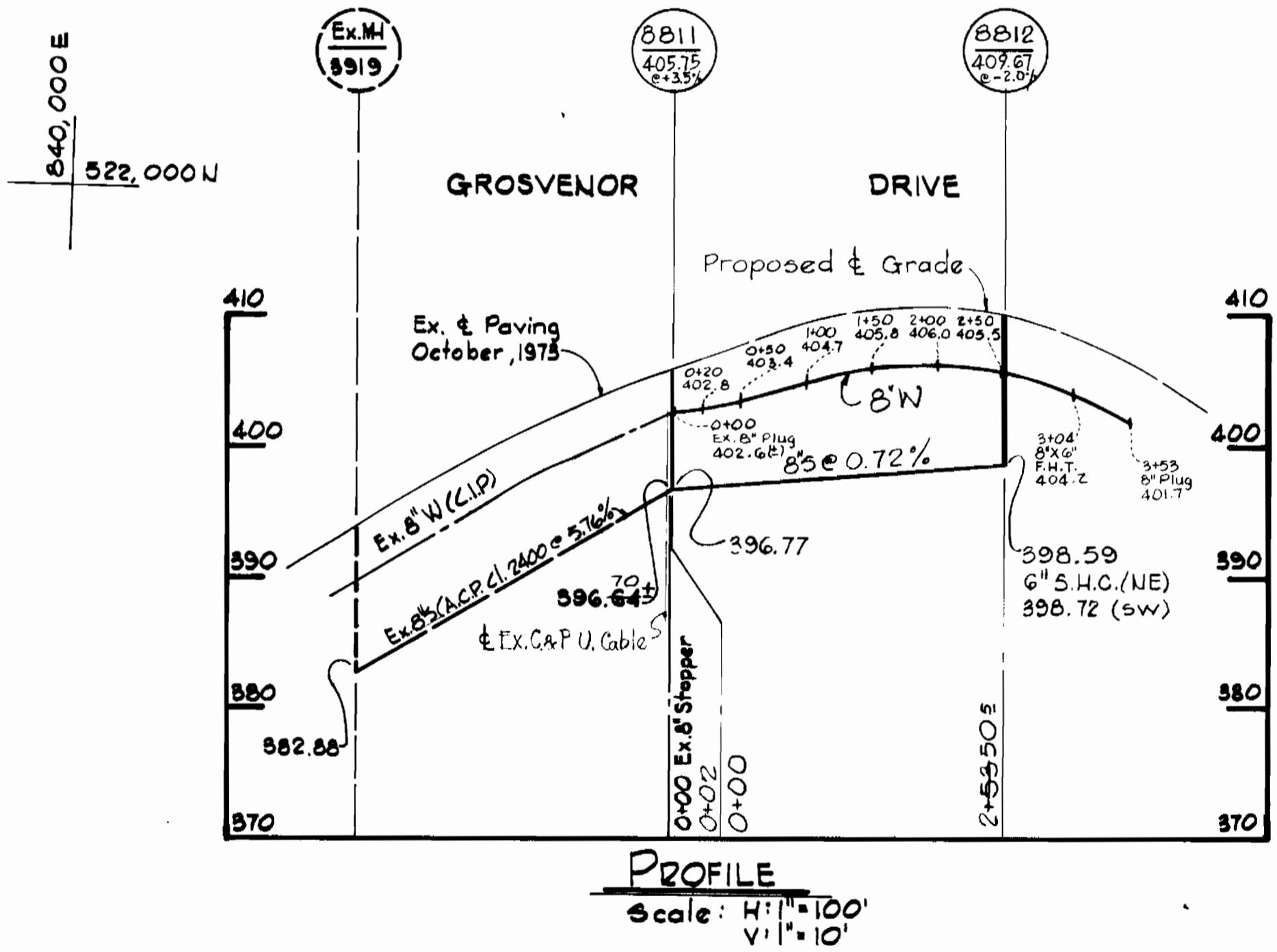
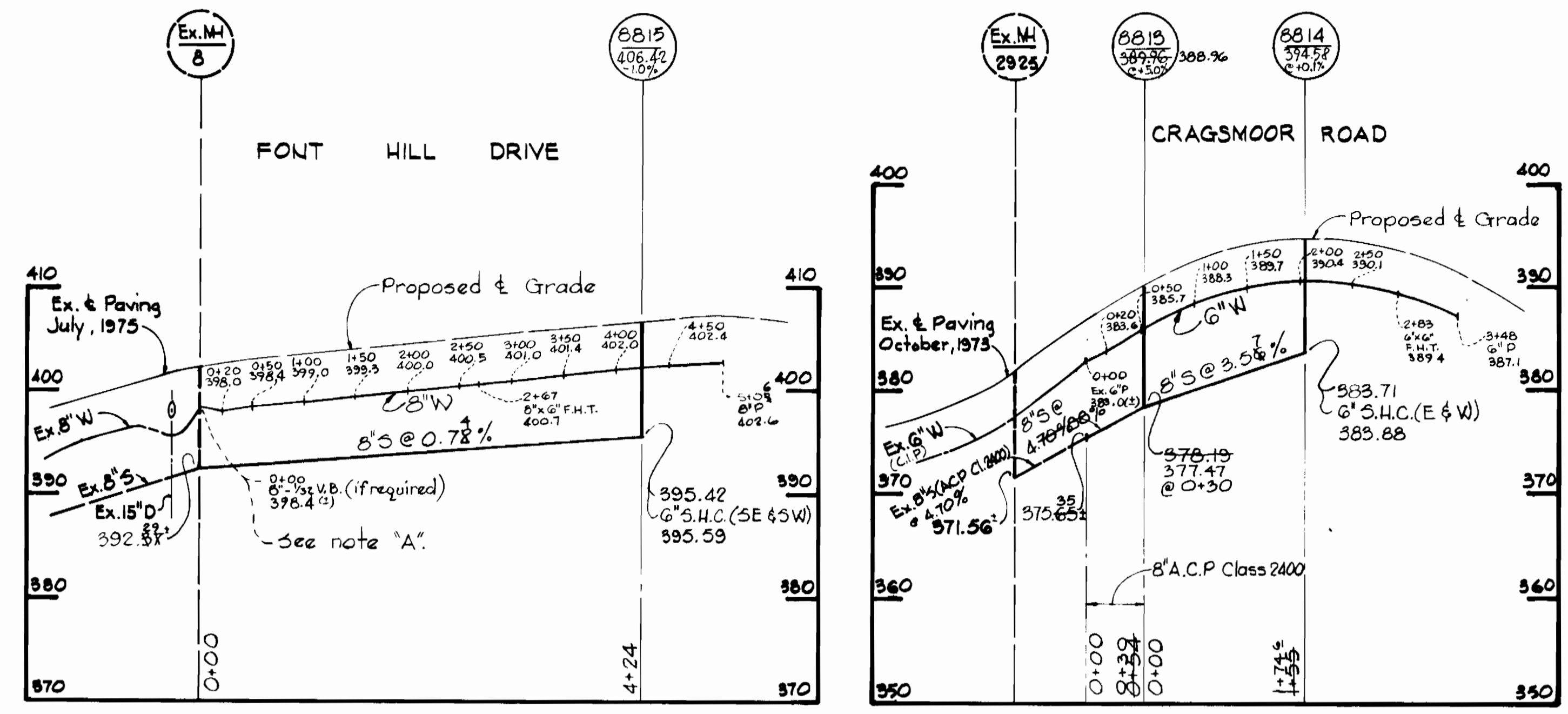
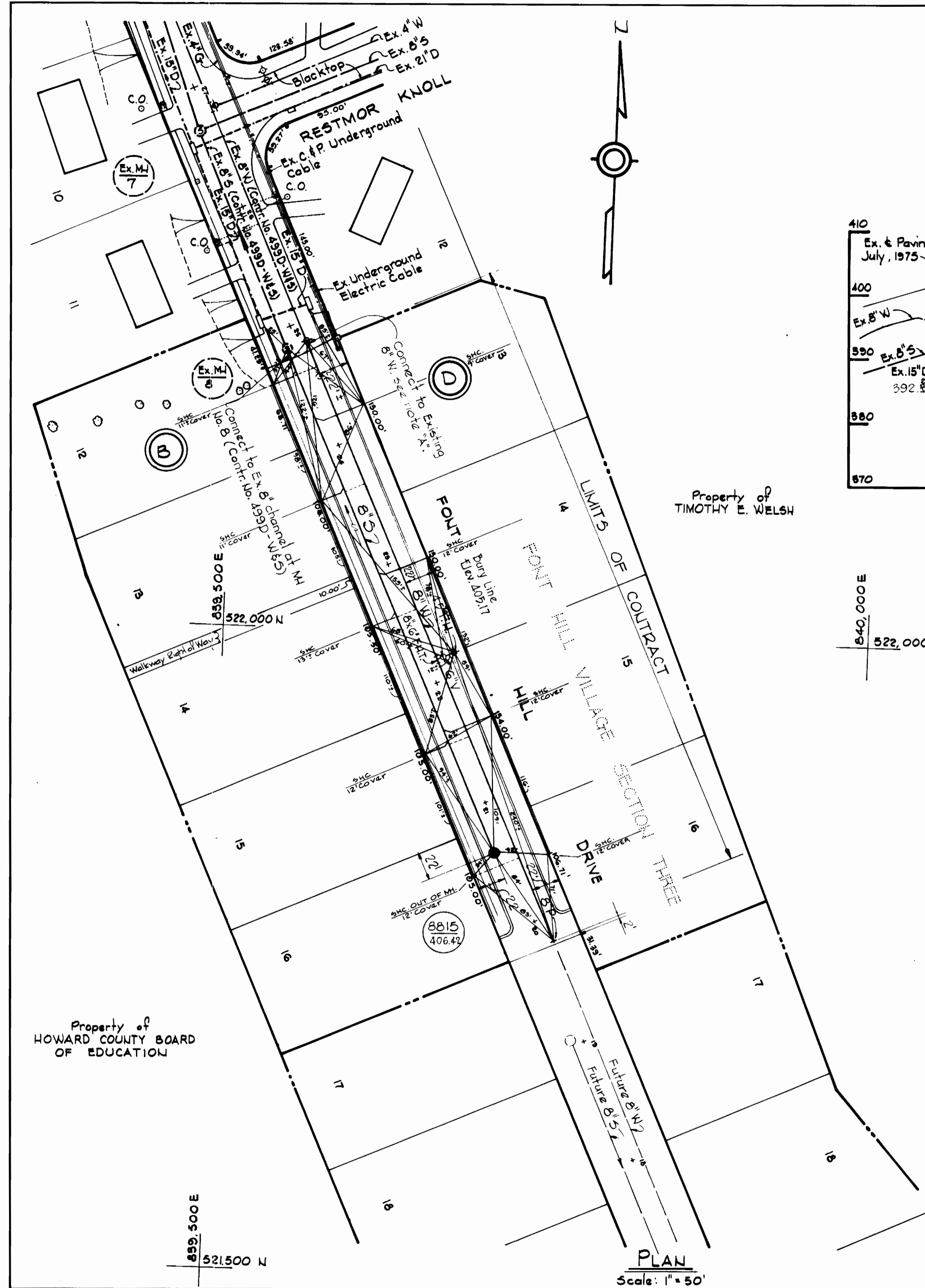
Kenneth A. McCord

8" Sewer - ACP - Class 2400 - Type II - JOHN'S MANVILLE
6" Water - ACP - Class 150 - JOHN'S MANVILLE

Font Hill Village
Section 4 Area 2
Contract No. 2693D-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>P.R. Rep. 10-18-76</i> DIRECTOR OF PUBLIC WORKS - DATE	CONTRACT NO. 2693D-W&S <i>W.O. Whit 10-18-76</i> CHIEF - BUREAU OF ENGINEERING - DATE	PLAN OF WATER & SEWER MAINS	ELECTION DISTRICT ELICOTT CITY NO. 2	DRAWING NO. 1 OF 2 SCALE 1" = 50'
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WS 693D-W&S/2



- Note "A"
LUMP SUM ITEM A-6.
1. Remove existing 8-inch valve and buttress. Furnish and install 8-inch 1/2 vertical bend and anchorage. Anchorage dimensions shall be for 8-inch vertical bend. Reinstall existing 8-inch valve.
 2. This work shall be performed only if directed by the engineer.
 3. Payment if required will be made under Lump Sum Item A-6.
 4. Otherwise remove existing 8" plug and buttress and connect to existing 8-inch valve.

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-18-76
DIRECTOR OF PUBLIC WORKS - DATE

CONTRACT NO. 693D-W&S

PLAN AND PROFILES
OF WATER & SEWER MAINS

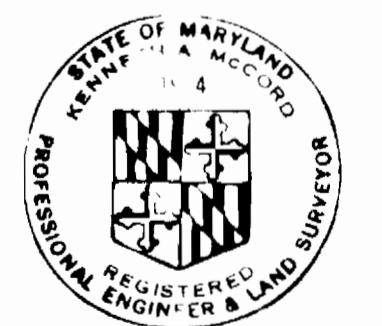
ELECTION DISTRICT
ELLCOTT CITY NO. 2

DRAWING NO. 2 OF 2
SCALE AS SHOWN

W. O. 7047-2

As Built 3-10-77

October 14, 1976



Font Hill Village
Section 3 Area
Contract No. 2693D-W&S