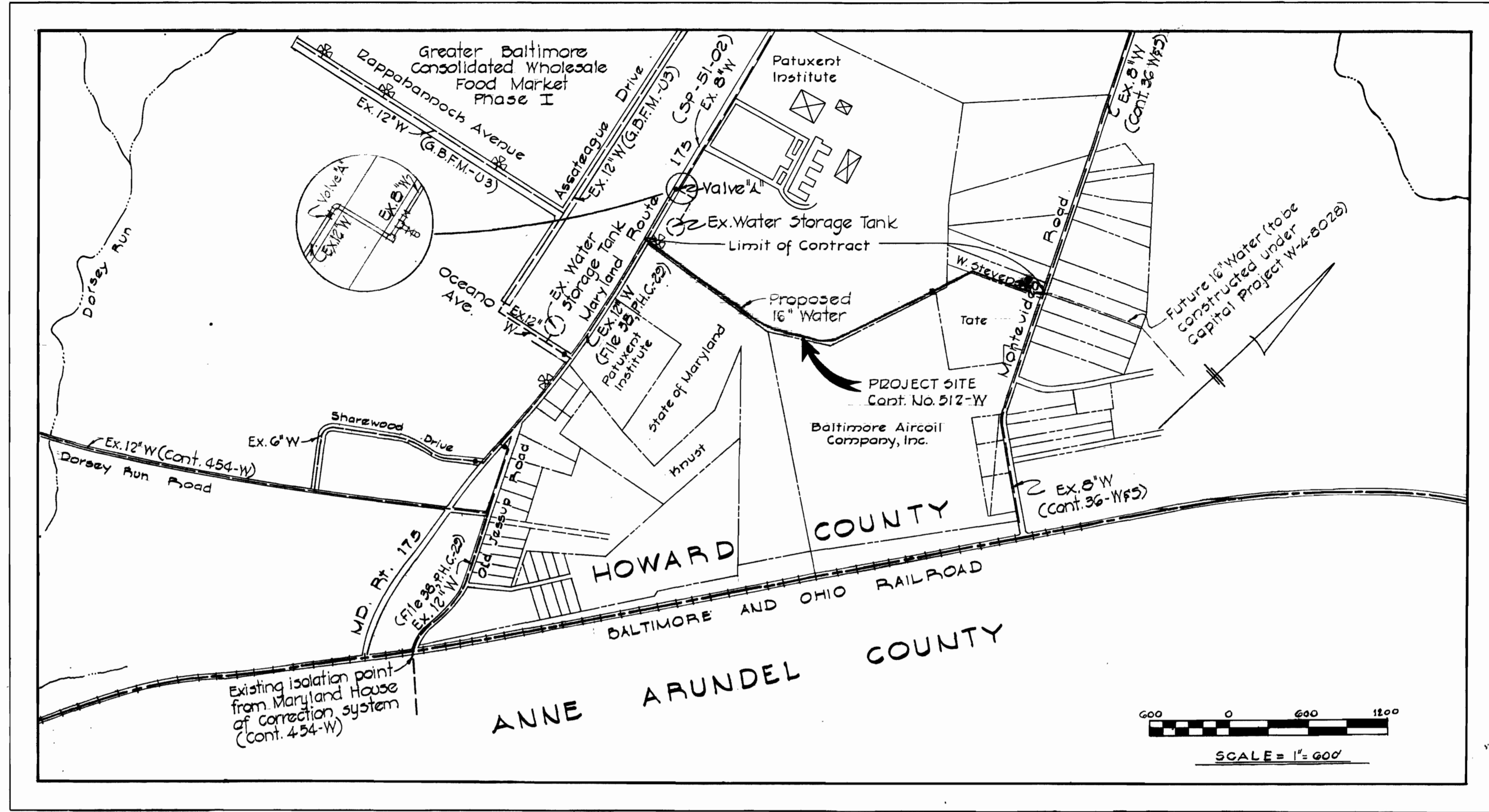


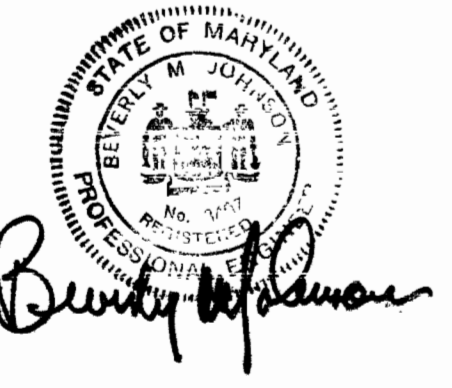
GENERAL NOTES

- Approximate locations 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 due to the contractor's operations shall be repaired immediately at the contractor's expense.
- All pipe elevations shown are invert elevations.
- The contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in the vicinity of proposed utilities.
- For all standard details see standards bound in specifications.
- Clear all utilities by a minimum of 6". Clear all utility poles by 2'-0" minimum or tunnel as required. Any costs incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation.
- Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
 State Highway Administration - 531-5533
 Baltimore Gas & Electric Company - Underground Electric Distribution Engineering - "Damage Control" 234-5691
 Baltimore Gas & Electric Company - Underground Gas Distribution Engineering - 559-0100
 Chesapeake and Potomac Telephone Company - 725-9976
 Miss Utility - 393-3648
- 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.
- 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., E.I.P., or A.C.P. unless otherwise noted.
- Top of all water mains to have a minimum of 4'-0" cover unless otherwise noted.
- All valves shall be strapped to tees, where applicable, in accordance with standard details.
- Butress or anchor all water mains fittings with concrete. See standard details bound in the specifications.
- Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and butressed 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.
- Cost of strapping fire hydrants and valves to be included in the unit price bid for furnishing and installing fire hydrants.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on Maryland State Datum.



QUANTITIES	
16" Water	3380 L.F.
8" Water	10 L.F.
6" Water	10 L.F.
Air Release M	1 each
16" Valve	2 each
8" Valve	2 each
6" Valve	1 each
Fire Hydrant	1 each
16" x 8" Tee	2 each
16" x 6" Tee	each
16" Plug	1 each

CAPITAL PROJECT W-4-8027
CONTRACT NO. 512-W
MARYLAND ROUTE 175 TO MONTEVIDEO ROAD
WATER MAIN EXTENSION
HOWARD COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS

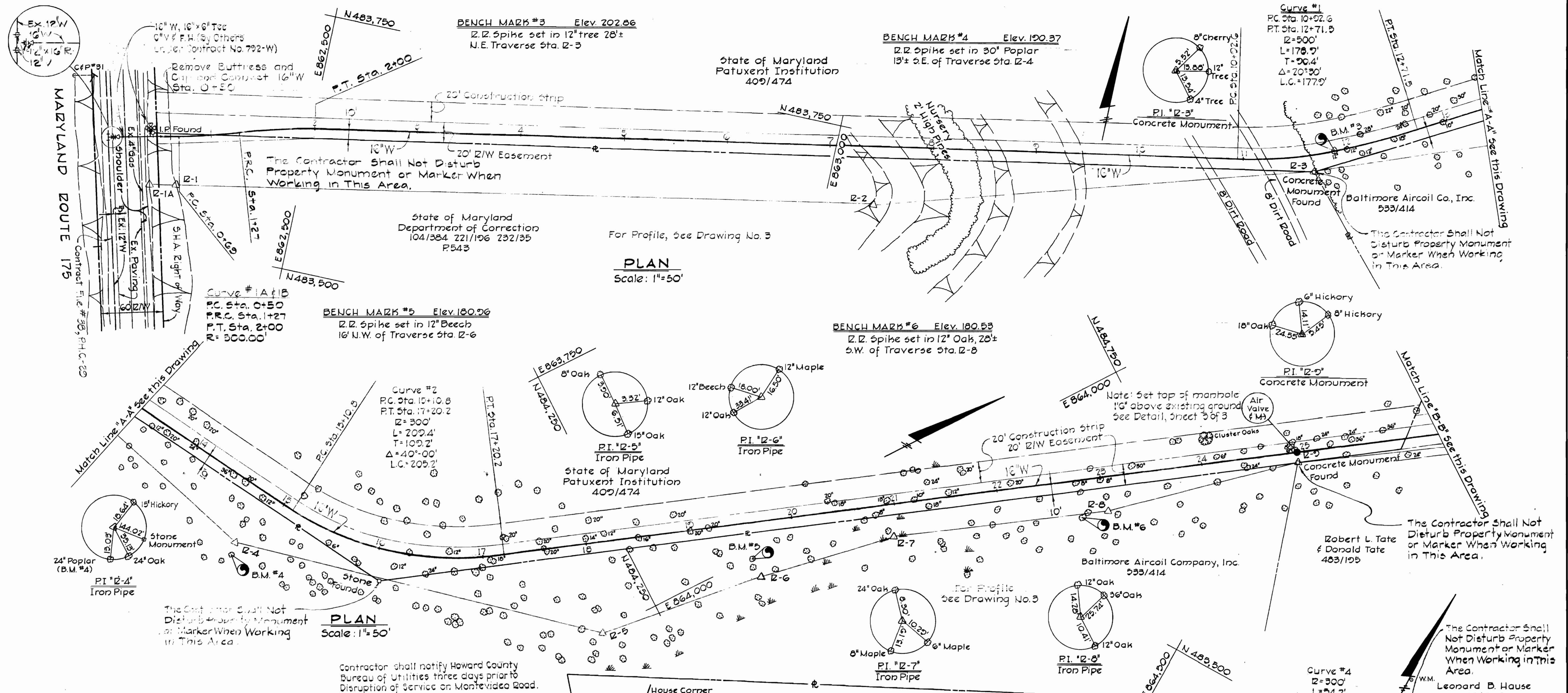


WS 512-W/1

PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Richard Freudenberger</i> 10/19/78 DIRECTOR OF PUBLIC WORKS DATE	CONTRACT NO. 512-W	PLAN OF WATER MAINS	MARYLAND ROUTE 175 TO MONTEVIDEO RD. ELECTION DISTRICT NO. 1-ELKRIDGE	DRAWING NO. 1 OF 2	SCALE AS SHOWN
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CONTRACT NO. 512-W
 MARYLAND ROUTE 175 TO MONTEVIDEO ROAD
 WATER MAIN EXTENSION
 CAPITAL PROJECT W-4-8027

AS BUILT

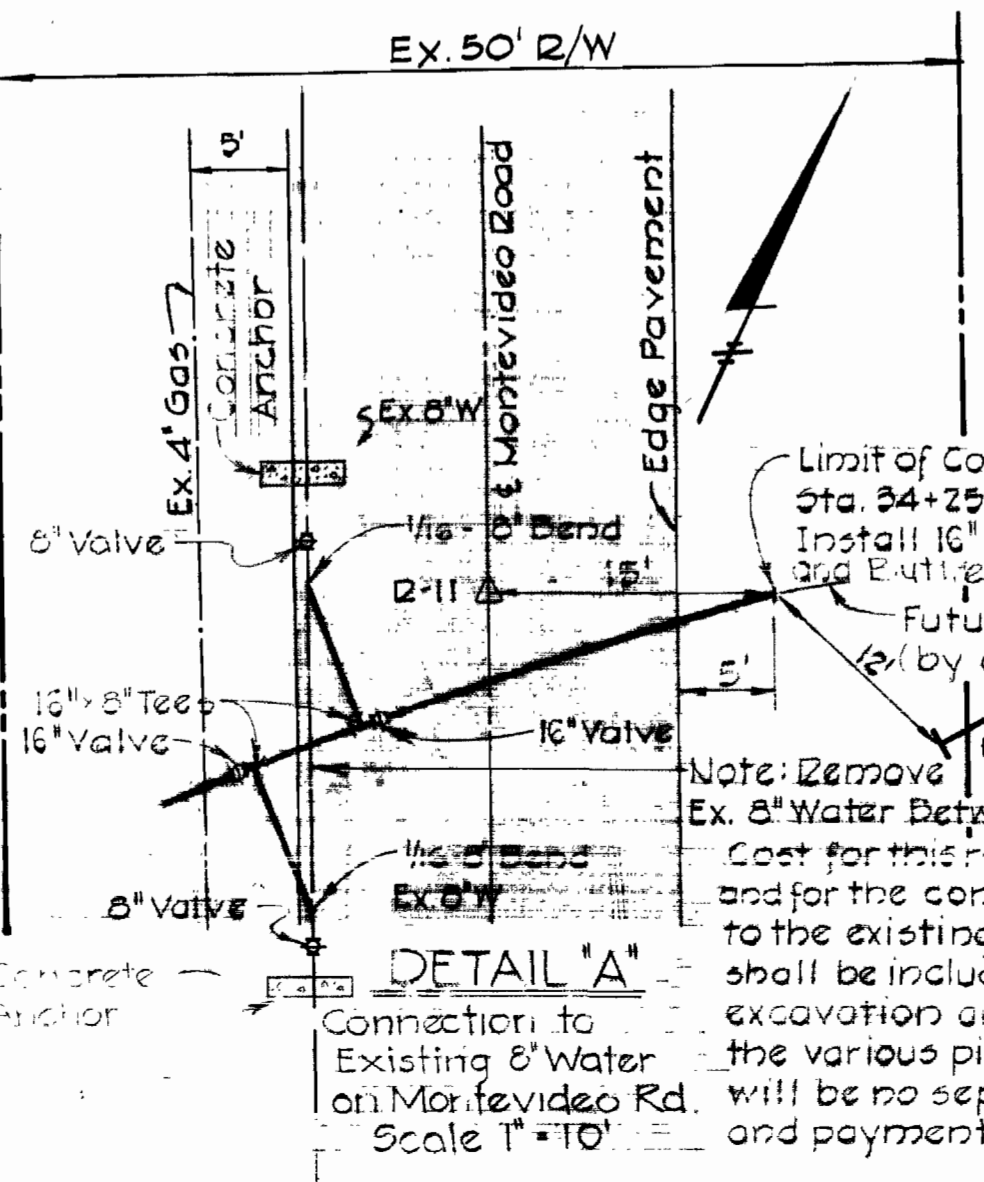


PLAN
Scale: 1"=50'

PLAN
Scale: 1"=50'

PLAN
Scale: 1"=50'

Note: Sta. 25+45 to Montevideo Rd.
The Contractor Shall Resurface the Driveway Belonging to E.L. Collins (shaded) with Bituminous Treated Gravel. The Width of the New Surfacing Shall Be 10ft.



DETAIL 'A'
Scale: 1"=10'

Note: Remove Ex. 8" Water Between Bends. Cost for this removal and for the connection to the existing 8" water shall be included in the excavation and backfill for the various pipe sizes. There will be no separate measurement and payment for this item of work.

Note: Contractor shall take precautions in the vicinity of Septic Tanks and maintain operation of the tank & drain field both during and after construction. Cost for this shall be included in the various unit prices bid.
POL 2-80.83
G&E 253228

CONTRACT NO. 512-W
MONTPLANE AVE. 175 TO MONTEVIDEO ROAD
WATER MAIN EXTENSION
CAPITAL PROJECT 8-4-2027

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Richard E. Swindeman 10/19/25
DIRECTOR OF PUBLIC WORKS DATE

CONTRACT NO. 512-W

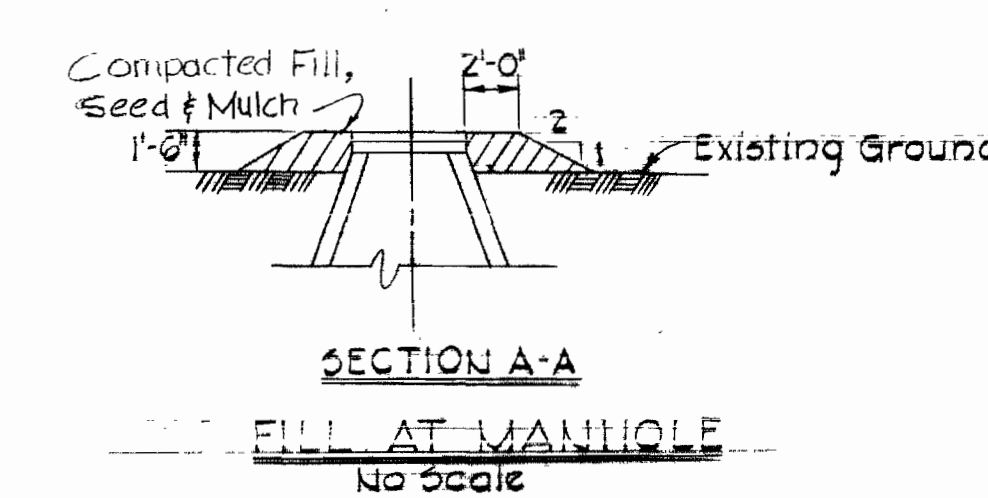
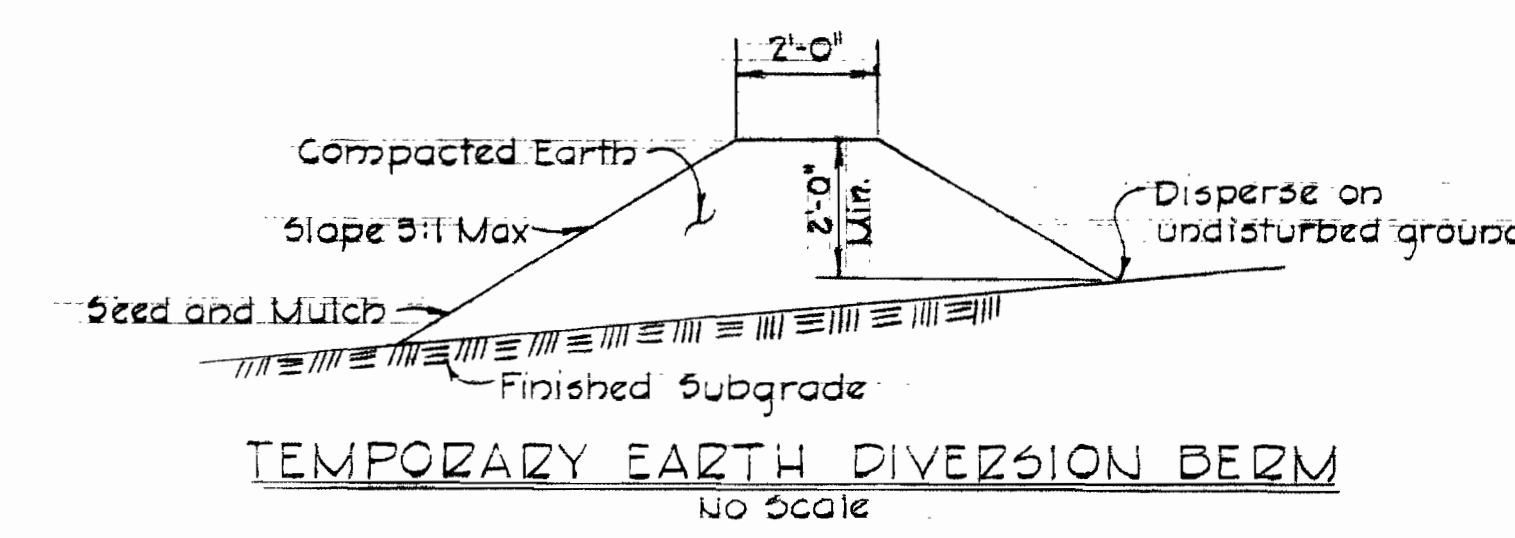
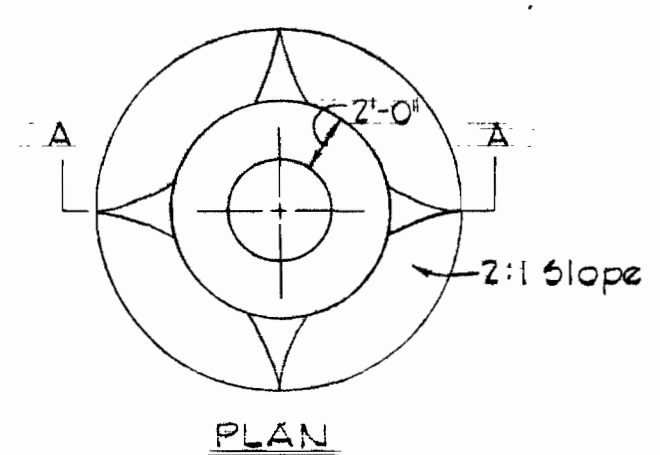
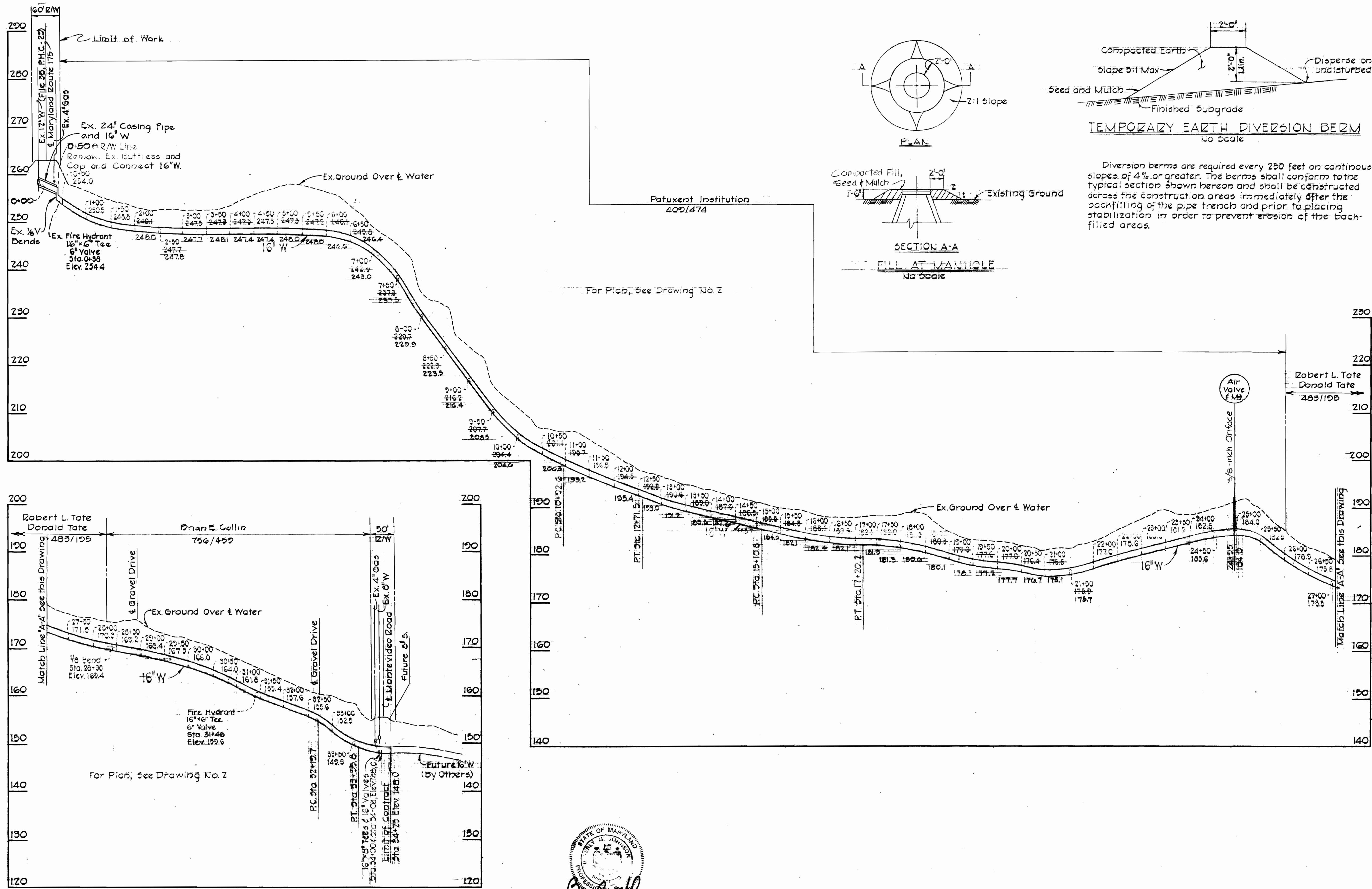
PLAN AND DETAILS OF WATER MAINS

MARYLAND ROUTE 175 TO MONTEVIDEO RD. ELECTION DISTRICT NO. 1-ELKRIDGE

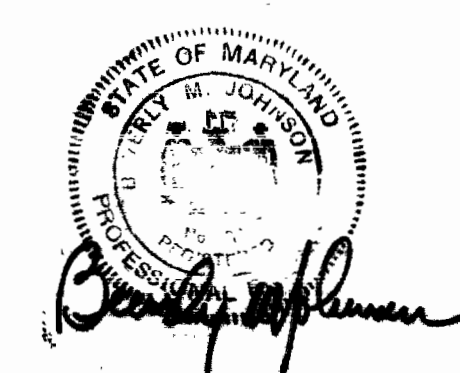
DRAWING NO. 2 OF 3

SCALE AS SHOWN
DATE: 10-19-25
5-25-75

WS 512-W/2



Diversion berms are required every 250 feet on continuous slopes of 4% or greater. The berms shall conform to the typical section shown hereon and shall be constructed across the construction areas immediately after the backfilling of the pipe trench and prior to placing stabilization in order to prevent erosion of the back-filled areas.



WS 512-W/3

PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Richard E. Sanderhagen</i> 10/19/72 <i>R. J. Hest</i> 10-19-72 DIRECTOR OF PUBLIC WORKS DATE CHIEF BUREAU OF ENGINEERING DATE	CONTRACT NO. 512-W	PROFILE AND DETAILS OF WATER MAINS	MARYLAND ROUTE 175 TO MONTEVIDEO RD. ELECTION DISTRICT NO. 1-ELKRIDGE	DRAWING NO. 3	SCALE
					OF 1	

W.O. 3525

CONTRACT NO. 512-W
 MARYLAND ROUTE 175 TO MONTEVIDEO ROAD
 WATER MAIN EXTENSION
 CAPITAL PROJECT 512-0027

AS-BUILT