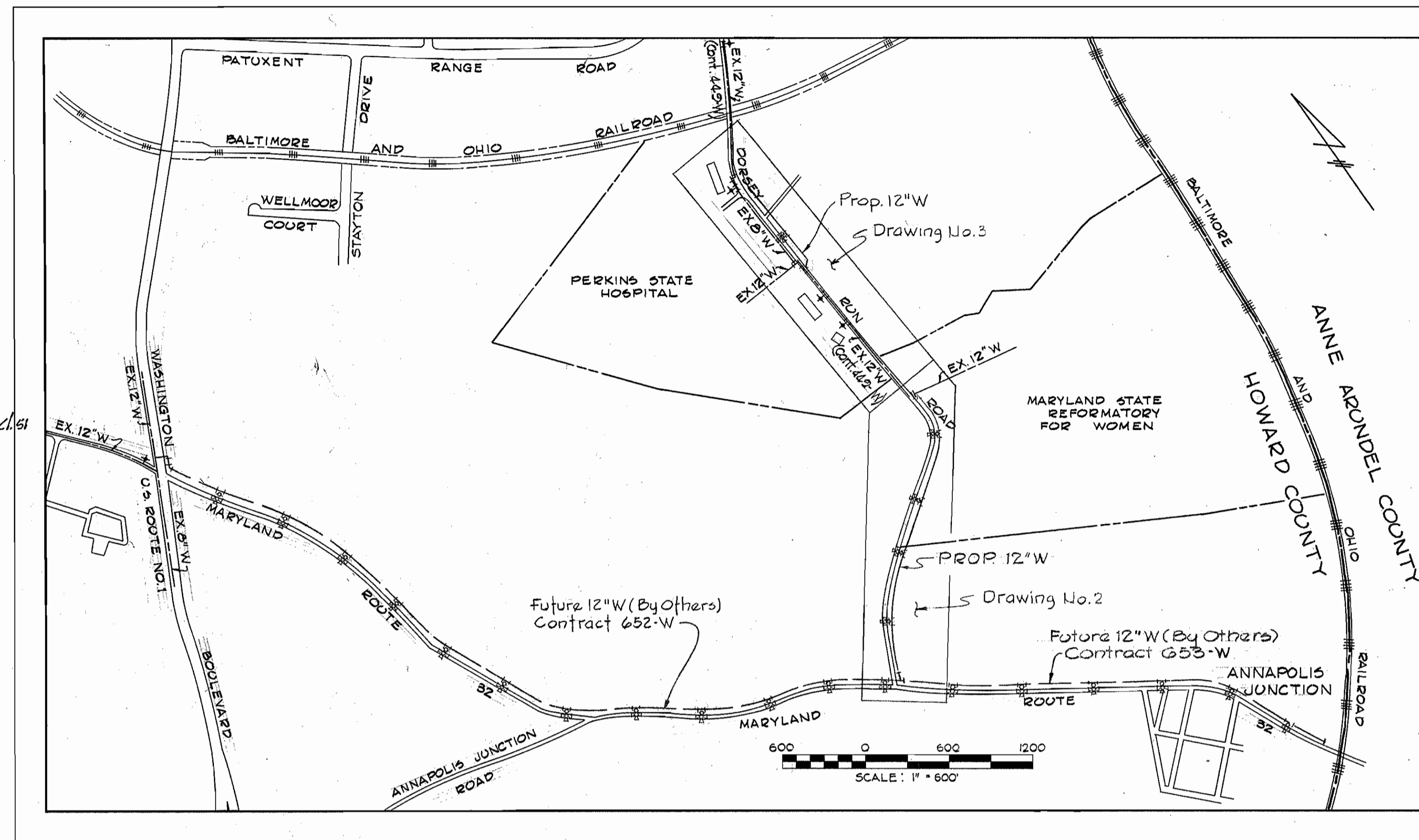


GENERAL NOTES

1. 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.
2. All pipe elevations shown are \ominus invert elevations.
3. The contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in the vicinity of proposed utilities.
4. For standard details see standards bound in specifications.
5. 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.
6. 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 - 752-9976
 - Miss Utility - 393-3648
7. 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.
8. 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.
9. All water mains to be C.I.P., D.I.P., or A.C.P. unless otherwise noted.
10. Top of all water mains to have a minimum of 3'-6" cover unless otherwise noted.
11. All valves shall be strapped to tees, where applicable, in accordance with standard details.
12. Buttress or anchor all water main fittings with concrete. See standard details bound in the specifications.
13. 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 Specifications.
14. Cost of strapping fire hydrants and valves to be included in the unit price bid for furnishing and installing fire hydrants.
15. All horizontal controls are based on Maryland State Coordinates.
16. All vertical controls are based on Maryland State Datum.

| QUANTITIES | | | |
|------------|------------|------------|-----------------|
| SIZE | PROPOSED | "AS BUILT" | MANUFACT. |
| 6" WATER | 25 L.F. | 36 L.F. | 6" 12" DIP U.S. |
| 12" WATER | 2,253 L.F. | 2,256 L.F. | |
| FIRE HYD. | 5 EA. | 5 Each | |



CAPITAL PROJECT W-4-8022
CONTRACT NO 670 -W
DORSEY RUN ROAD
MARYLAND ROUTE 32 TO PERKINS STATE HOSPITAL
WATER MAIN EXTENSION
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

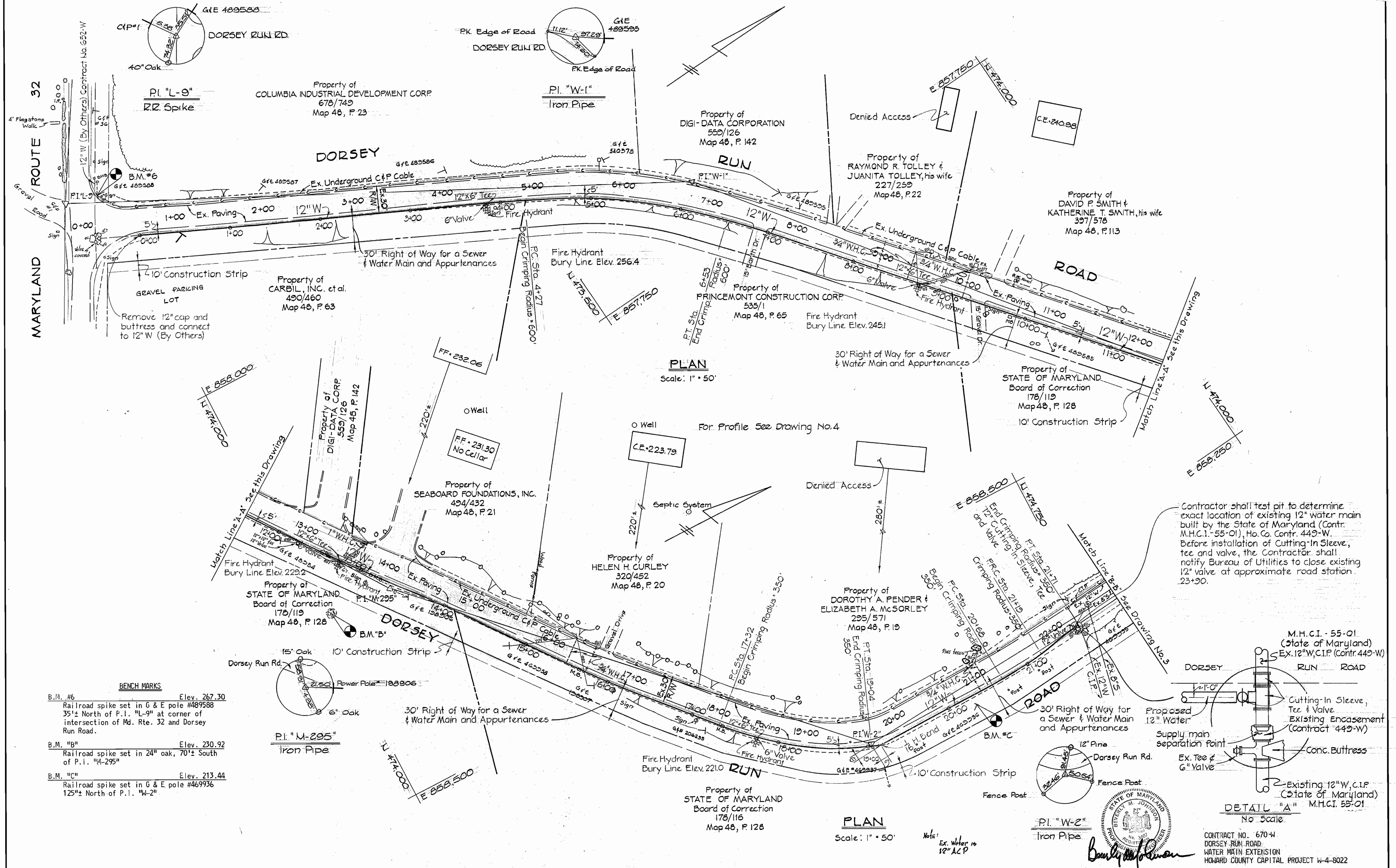


CONTRACT NO. 670-W
 DORSEY RUN ROAD
 WATER MAIN EXTENSION
 HOWARD COUNTY CAPITAL PROJECT W-4-8022

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|---|---|--|--------------|--|---|------------------|--|
| PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND | DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>P. J. Regan</i> 10-17-77 DIRECTOR OF PUBLIC WORKS DATE | CONTRACT NO. 670-W CAPITAL PROJECT W-4-8022 | VICINITY MAP | DORSEY RUN ROAD MARYLAND ROUTE 32 TO PERKINS STATE HOSPITAL ELECTION DISTRICT GUILFORD NO. 6 | DRAWING NO. 1 OF 4 | SCALE 1" = 600' | Designed RBD Drafted REC Checked JAF |
| | | | | | DATE 10-14-77 CHIEF BUREAU OF ENGINEERING DATE | JANUARY 10, 1978 | As-Built 6-2-78 |

WS 670 W/1

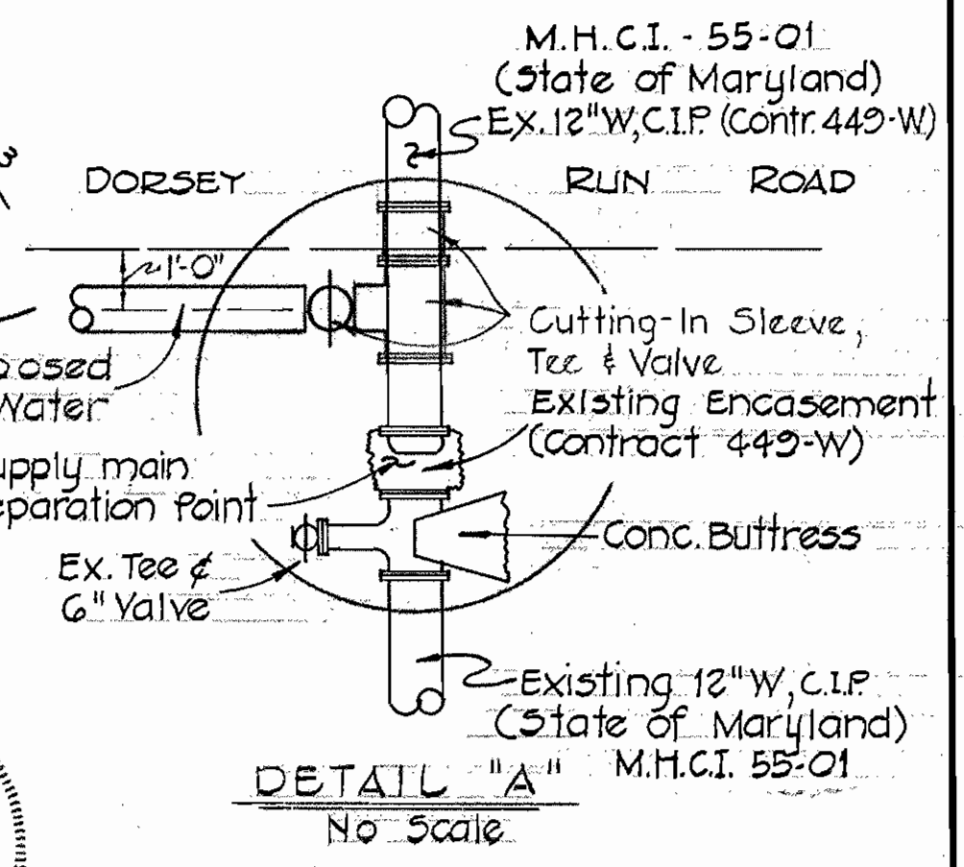
For Profile See Drawing No.4



PLAN Scale: 1" = 50'

PLAN Scale: 1" = 50'

Contractor shall test pit to determine exact location of existing 12" water main built by the State of Maryland (Contr. M.H.C.I.-55-01), Ho. Co. Contr. 449-W. Before installation of Cutting-In Sleeve, tee and valve, the Contractor shall notify Bureau of Utilities to close existing 12" valve at approximate road station 23+30.



DETAIL "A" No Scale

BENCH MARKS

| | |
|---|--------------|
| B.M. #6 | Elev. 267.30 |
| Railroad spike set in G & E pole #489588 35'± North of P.I. "L-9" at corner of intersection of Md. Rte. 32 and Dorsey Run Road. | |
| B.M. "B" | Elev. 230.92 |
| Railroad spike set in 24" oak, 70'± South of P.I. "M-295" | |
| B.M. "C" | Elev. 213.44 |
| Railroad spike set in G & E pole #469936 125'± North of P.I. "W-2" | |

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-11-77
DIRECTOR OF PUBLIC WORKS DATE CHIEF-BUREAU OF ENGINEERING DATE

CONTRACT NO. 670-W
CAPITAL PROJECT W-4-8022

PLAN OF WATER MAIN EXTENSION

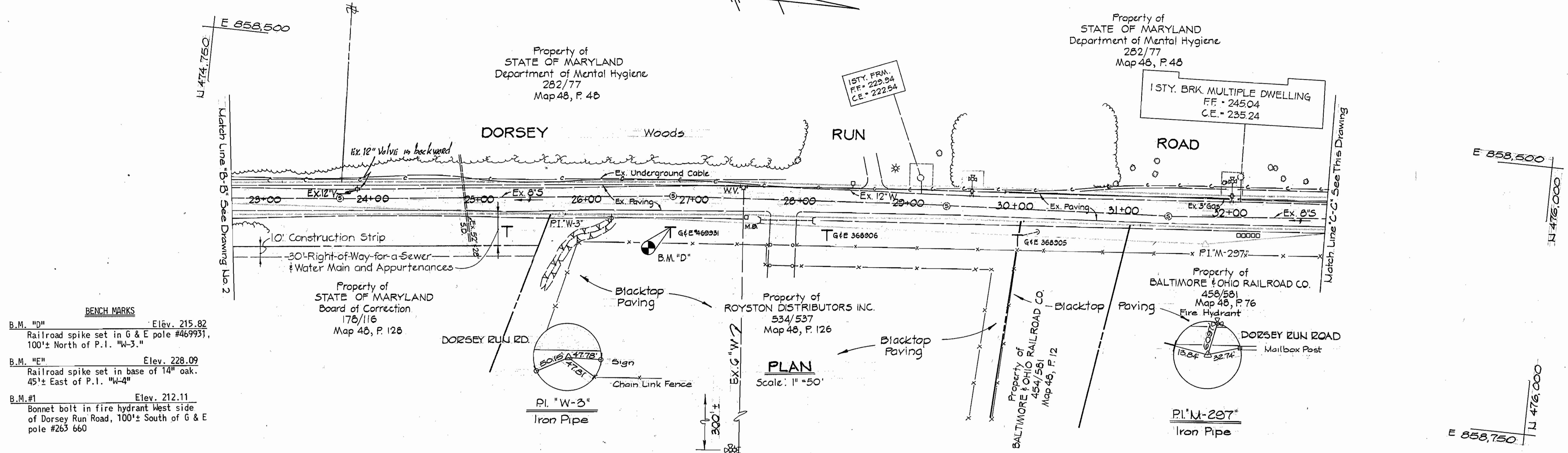
DORSEY RUN ROAD
MARYLAND ROUTE 32 TO PERKINS STATE HOSPITAL
ELECTION DISTRICT GUILFORD NO 6

DRAWING NO. 2 OF 4
SCALE AS SHOWN

Designed RBD
Drafted REC
Checked TAE

WS 670 W/2

For Profile See Drawing No.4



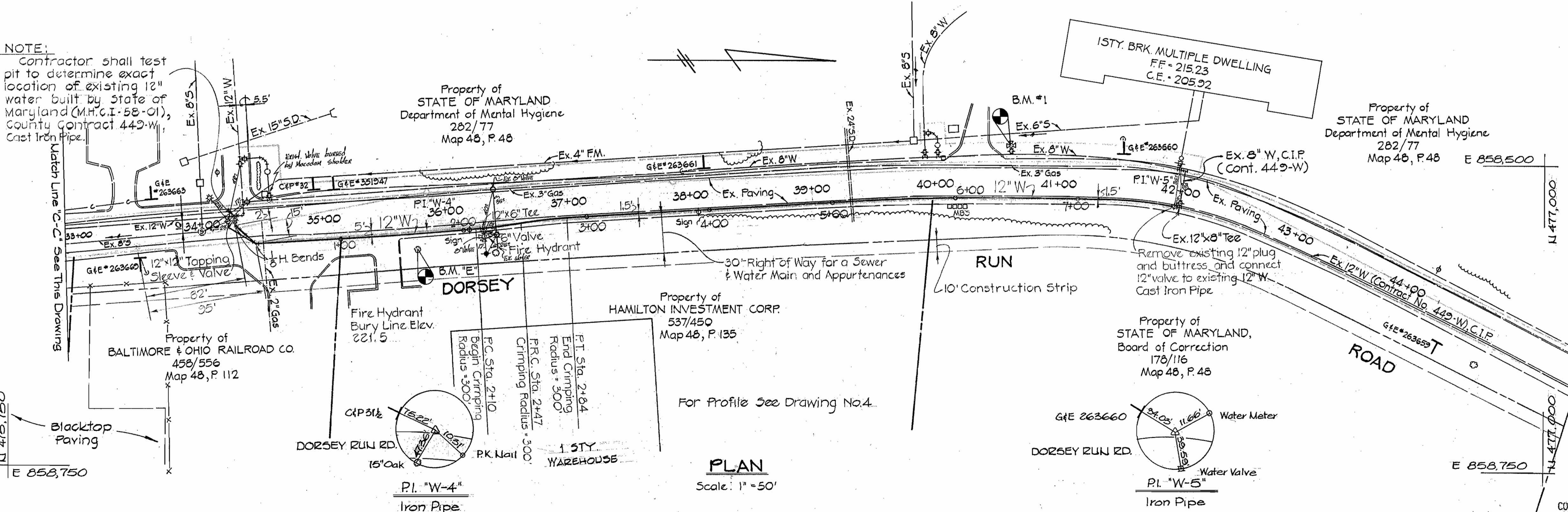
BENCH MARKS

B.M. "D" Elev. 215.82
Railroad spike set in G & E pole #469931,
100'± North of P.I. "W-3."

B.M. "E" Elev. 228.09
Railroad spike set in base of 14" oak,
45'± East of P.I. "W-4"

B.M. #1 Elev. 212.11
Bonnet bolt in fire hydrant West side
of Dorsey Run Road, 100'± South of G & E
pole #263 660

NOTE:
Contractor shall test
pit to determine exact
location of existing 12"
water built by State of
Maryland (M.H.C.I. 58-01),
County Contract 449-W,
Cast Iron Pipe.



Blacktop Paving



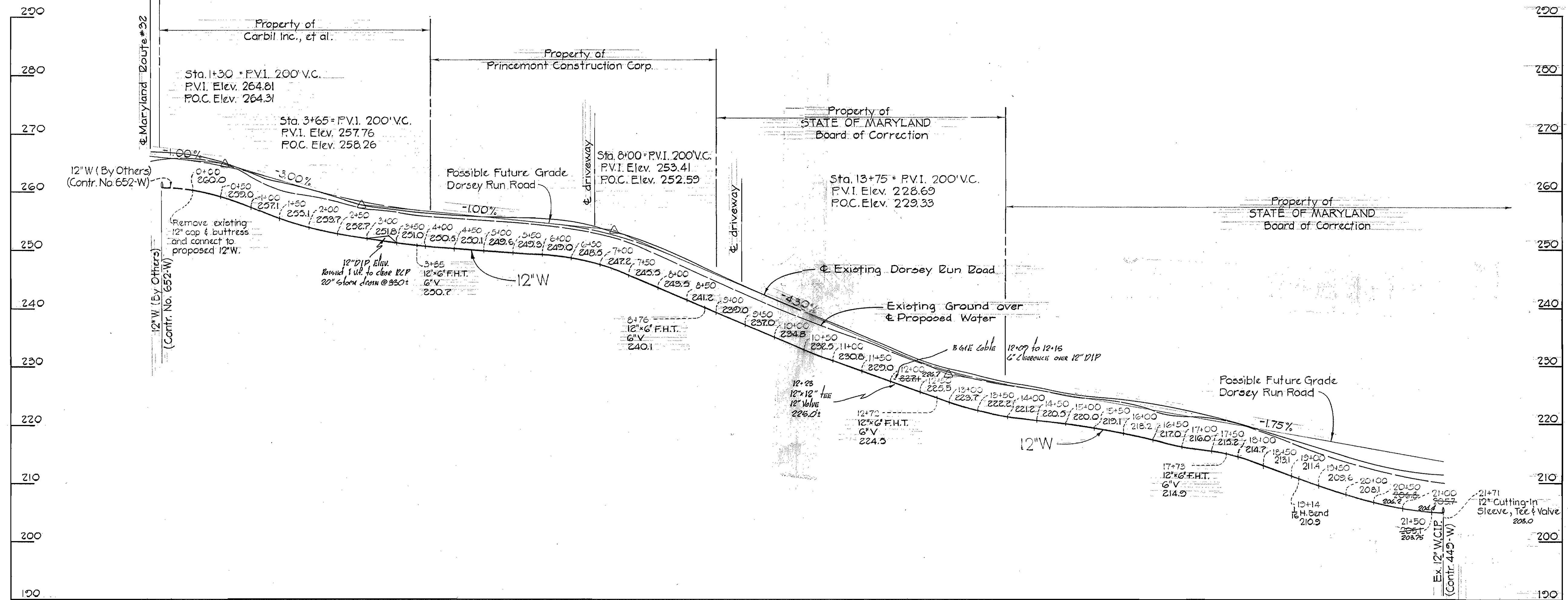
CONTRACT NO. 670-W
DORSEY RUN ROAD
WATER MAIN EXTENSION
HOWARD COUNTY CAPITAL PROJECT W-4-8022

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|--|---|---|--|---|--|
| PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND | DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 10-17-77 DIRECTOR OF PUBLIC WORKS DATE | CONTRACT NO. 670-W CAPITAL PROJECT W-4-8022 | PLAN OF WATER MAIN EXTENSION | DORSEY RUN ROAD MARYLAND ROUTE 32 TO PERKINS STATE HOSPITAL ELECTION DISTRICT GUILFORD NO. 6 | DRAWING NO. 3 OF 4 SCALE As Shown Designed: RB Drafted: REC Checked: TAF |
|--|---|---|--|---|--|

WS 670 W/3

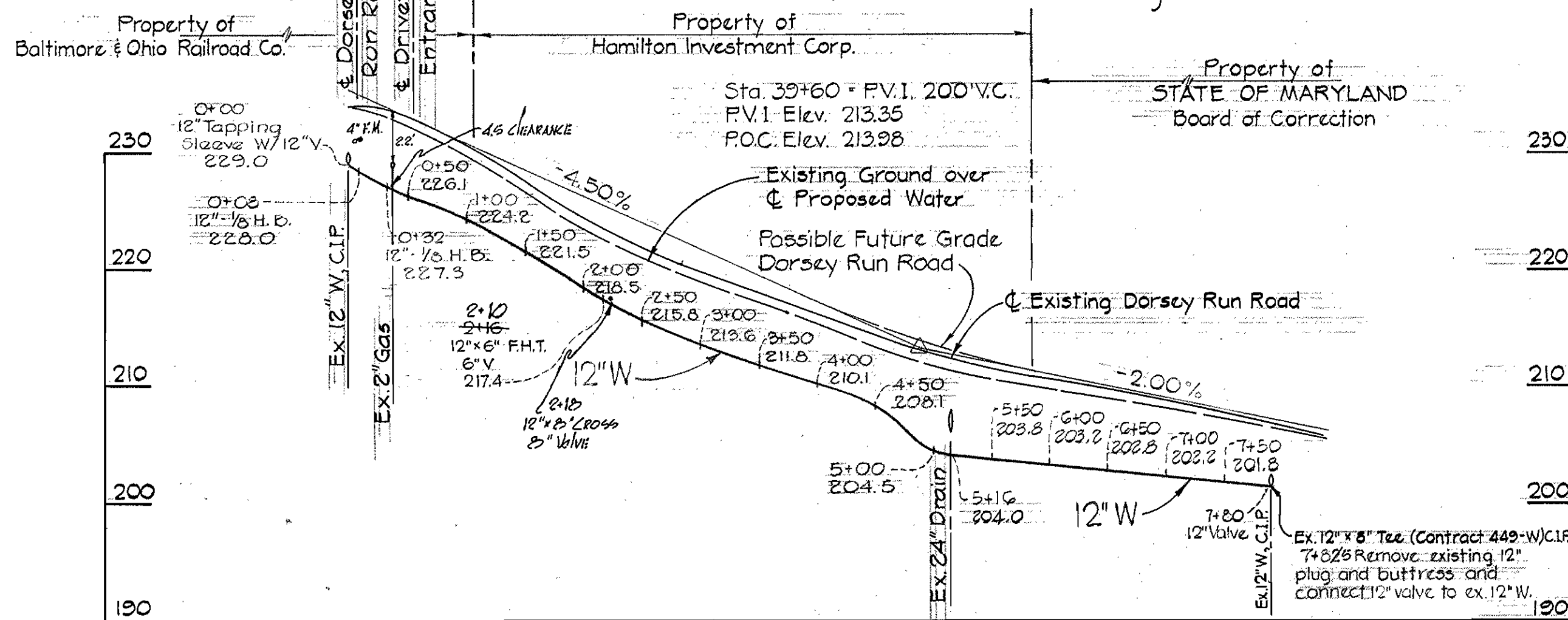
DORSEY RUN ROAD

For Plan See Drawing 2



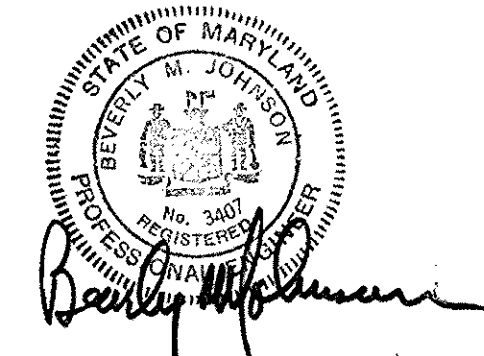
DORSEY RUN ROAD

For Plan See Drawing 3



PROFILE
Horiz: 1"=100'
Vert: 1"=10'

PROFILE
Horiz: 1"=100'
Vert: 1"=10'



CONTRACT NO. 670-W
DORSEY RUN ROAD
WATER MAIN EXTENSION
HOWARD COUNTY CAPITAL PROJECT W-4-8022

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-11-77
DIRECTOR OF PUBLIC WORKS DATE CHIEF BUREAU OF ENGINEERING DATE

CONTRACT NO. 670-W
CAPITAL PROJECT W-4-8022

PROFILE OF
WATER MAIN EXTENSION

DORSEY RUN ROAD
MARYLAND ROUTE 32 TO PERKINS STATE HOSPITAL
ELECTION DISTRICT GUILFORD NO. 6

| | | |
|---------------|----------------|--------------|
| DRAWING NO. 4 | SCALE AS SHOWN | Designed RBD |
| OF 4 | | Drafted DMG |
| | | Checked TAF |

WS 670 W/4