

## GENERAL NOTES

- 1. Approximate location of existing utilities is shown. The Contractor shall take all necessary precautions to protect existing utilities and to maintain uninterrupted service. Any damage in curred shall be repaired immediately to the satisfaction of the Engineer by the Contractor at the Contractor's expense.
- 2. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities. Cost shall be included in the unit prices bid for excavation and backfill for mains.
- 3. Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
- Miss Utility (Collect) 1-559-0100

  Baltimore Gas & Electric Company Underground Electric

  Distribution Engineering "Damage Control" Mr. G.J. Zeller,
  Manager 234-5891
- Baltimore Gas & Electric Company Underground Gas Distribution Engineering, Nr. Beli - 234-5533
- Chesapeake and Potomac Telephone Co. 725-9976
  State Highway Administration 531-5533
  4. Clear all utilities by a minimum of 6<sup>h</sup>. Clear all poles 2<sup>t</sup>-0<sup>n</sup> minimum or tunnel as required. Cost for tunneling or bracing at poles shall be included in the unit prices bid for excavation and backfill for sewer mains.
- 5. All pipe elevations shown are invert elevations.
- 8. All manholes shall be 4'4" inside glameter.
- 7. The Contractor shall provide a pipe joint in each sewer main within 2°-0° of exterior of manhole walls.
- 8. Watertight manhole frame and cover to be used where indicated on drawings Standard Details S-12 (MCR-63A). Where watertight manhole frame and cover is used, set top of frame 1°-6" above finished grade.
- 9. For details not shown on the Contract Drawings see Standard Details bound in the specifications.
- 10. Trees are to be protected from damage to the maximum extent.
- 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 backfilk for sewel mains.
- 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.
- 13. Allisewer mains shall be C. S. BJX., V. C.P.X., of (A. C.P. IClass 2400: unless otherwise noted.
- 14. Force mains shall be duetile from from Class 54 in accordance; with Section 8 of the specifications; Force rains; shall have a minimum of 4 feat of cover.
- 15. Buttress or anchor all force main fittings with cencrete. For details see Standard Details bound in the Specifications.
- 16. Herizontal and vertical controls are based on the Maryland State Grid Coordinate System.

CAPITAL PROJECT S4-6037 CONTRACT NO. 744-S

MOUNT HEBRON SANITARY SEWERS HOWARD COUNTY, MARYLAND DEPARTMENT, OF PUBLIC WORKS

Beerly Walnut

PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. / BALTIMORE, MARYLAND DEPARTMENT OF PUBLIC WORKS

CONTRACT NO. 744 8

LOCATION MAP OF SANITARY SEWERS

MOUNT HEBRON SEWER MAINS

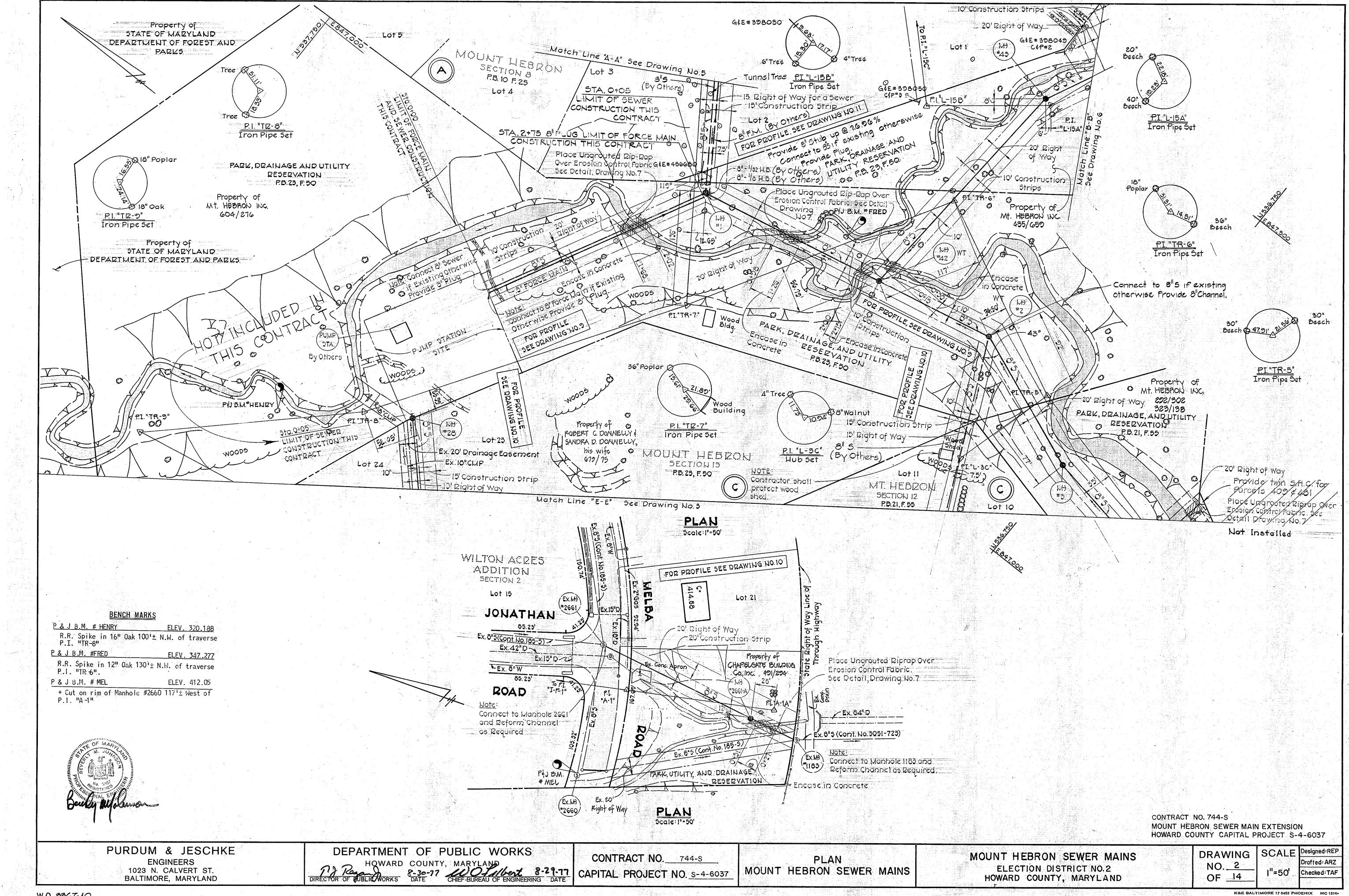
ELECTION DISTRICT NO.2

HOWARD COUNTY, MARYLAND

CONTRACT NO. 744-S
MOUNT HEBRON SEWER MAIN EXTENSION
HOWARD COUNTY CAPITAL PROJECT S-4,6037

DRAWING SCALE MAPS
NO. 1
As Shown 235-41

HOWARD COUNTY, MARYLAND 8-10-17 CAPITAL PROJECT I



Match Line E-E" See Drawing No. 2

Ex. 20' Drainage Easement

DONALD L DAVIDSON

617/101

Lot Z4

26.77

Hub Set

House\\ #9375\

15' Right of Way

P1. "TZ-10"

15' Construction Strip

5.H.C 679/75

Property of DOBERT C. DONNELLY & Wife

Lot 23

Property of

889/374

15' Construction Strip -

THOMAS R. SMITH & WIFE

Lot II

Pine Trees

House\

P.I."L-3B"

Poplar

3"Cherry

I.P. Set

BENCH MARKS

ELEV. 445,038

ELEV. 444.826

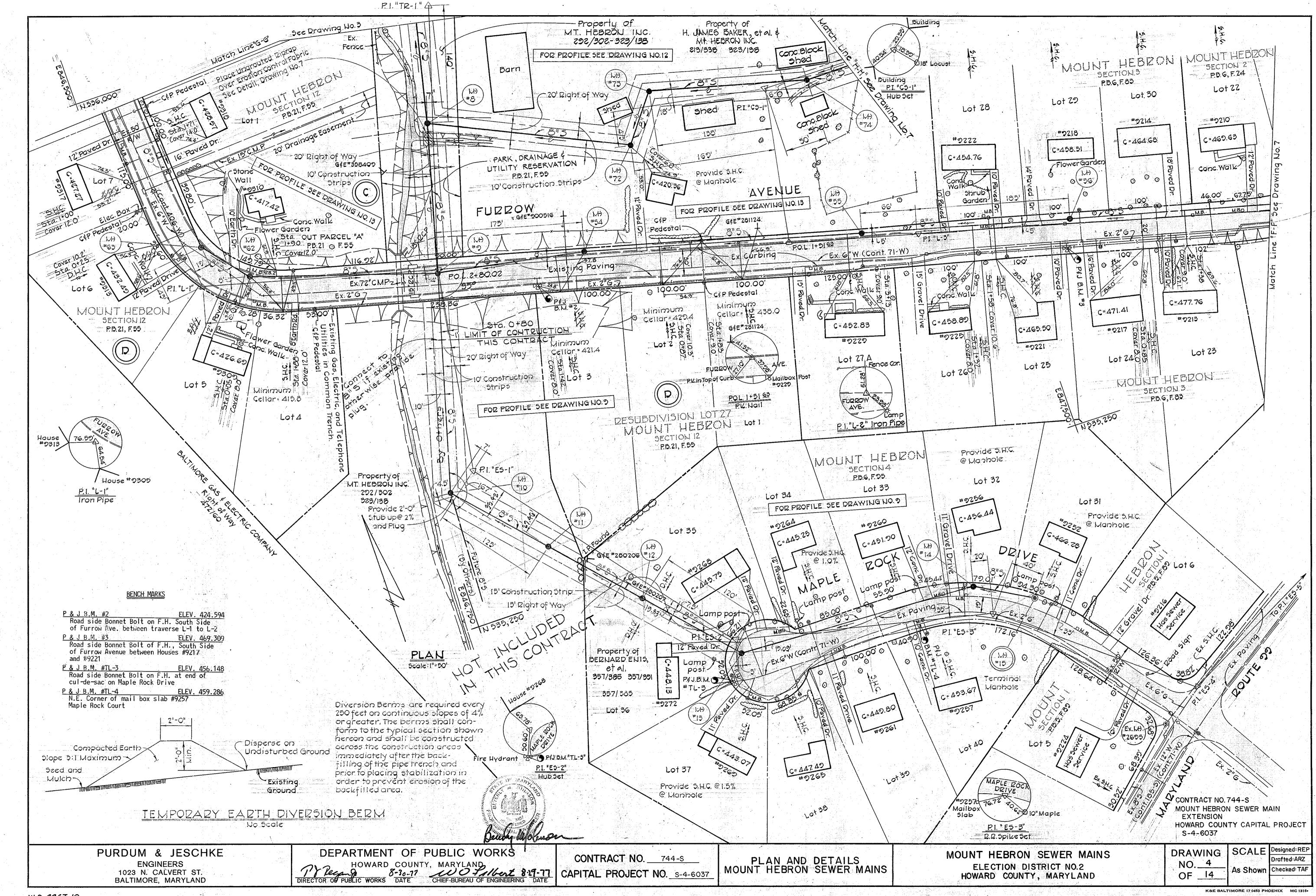
ELEV. 380.625

P & J B.M. "100" ELEV. 4 + Cut on road side Bonnet Bolt on Fire Hydrant 50'± South of Trav. P.I. "L-TA".

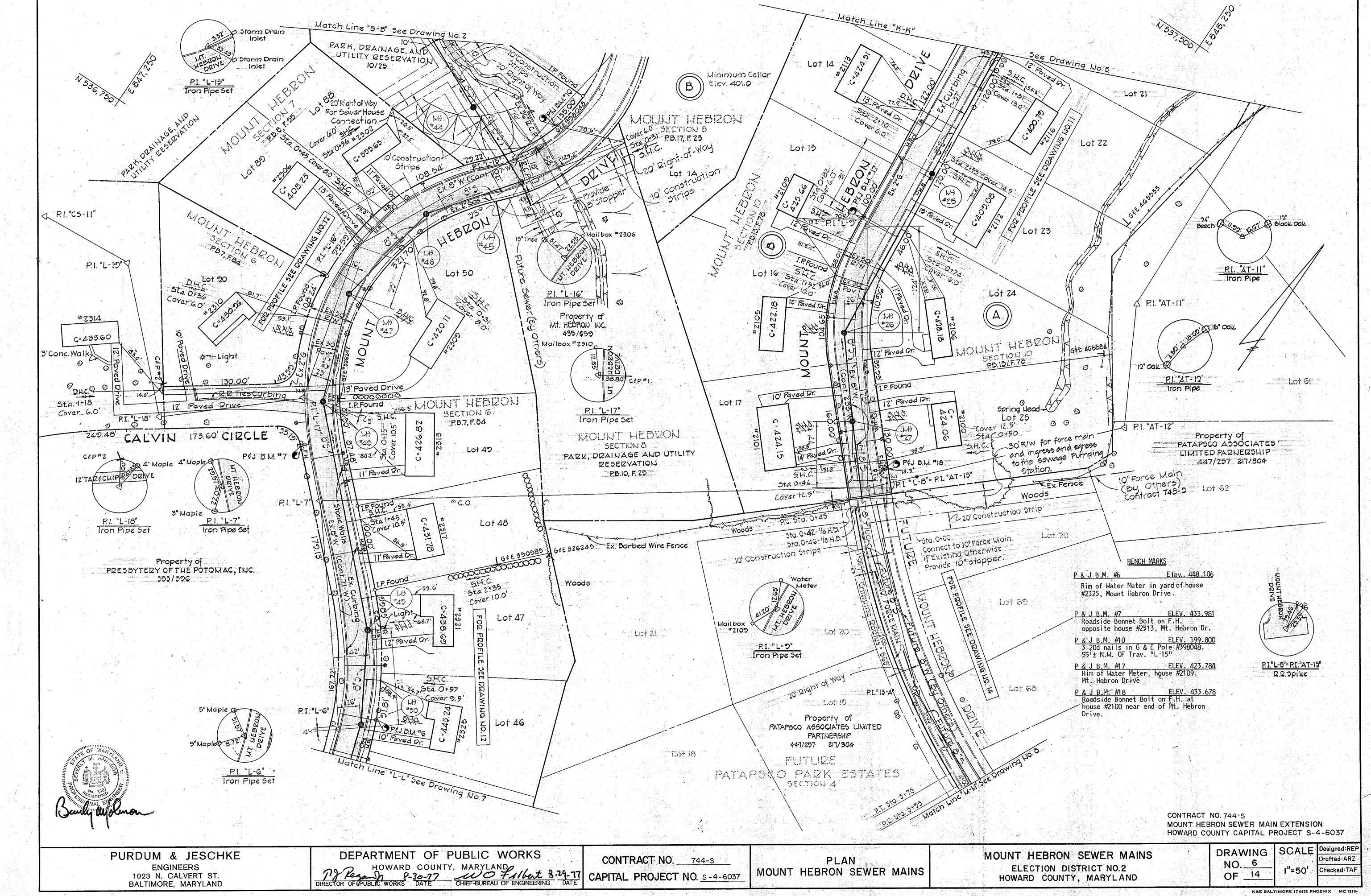
+ Cut on Road Side Bonnet Bolt on Fire Hydrant on Furrow Court 225'± N.E. of Trav. P.I. "L-2A" and 75'± S.W. of Trav. P.I. "L-3A"

P & J B.M. "101"

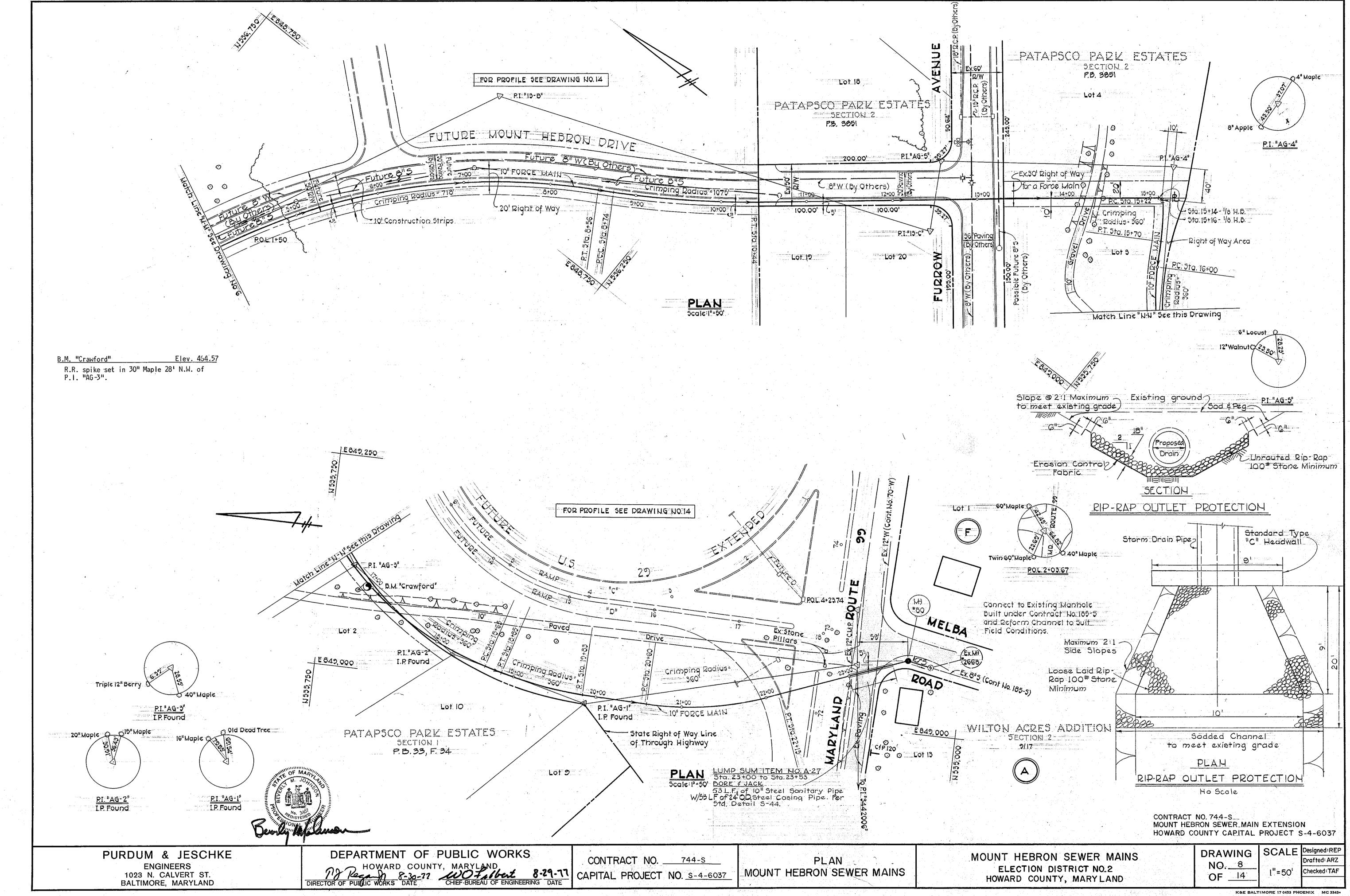
P & J B.M. "102"



I.P.Found Lot 13 FOR PROFILE SEE DRAWING NO.11 MOUNT HEBRON SECTION 9 Lot 10 Provide 5.4.C.@Manhole PB.12, F.28 DMdilbox #2218 SECTION 8 Lof 14 PB. 10, F.25 (A Lot 11 Lot 12 Lot 6 Fence Connect to 8"FM. IF existing C=354.71 Provide 5.H.C. Iron Pipe Set Otherwise Provide 8" Channel @ Manhole Mailbox #2193 Provide 5. H.C. @ 1.0% Lot 5 # 22;4 C=428.01 C=423.86 C=426.59 Note: MH17 moved to DEIYE O. save tree Terminal Property of
WILLIAM A. VENDETTI P.I. "L-10" Tron Pipe Set & WIFE House #2202 Mailbox # 2230 51.53 Lot 15 P1. "T-1" Hub Set 20 LF. RIP Rap Outlet Protection, See details Mailbox #2234 2-3'Conc.Walk C-424.55 C=408.06 C=420.10 Iron Pipe Set Terminal Lot 8 Lot 7 SCALE Designed: REP K&E BALTIMORE 17 0453 PHOEHIX MC 1316.



K&E BALTIMORE 17 0453 PHOEHIX MC 1316

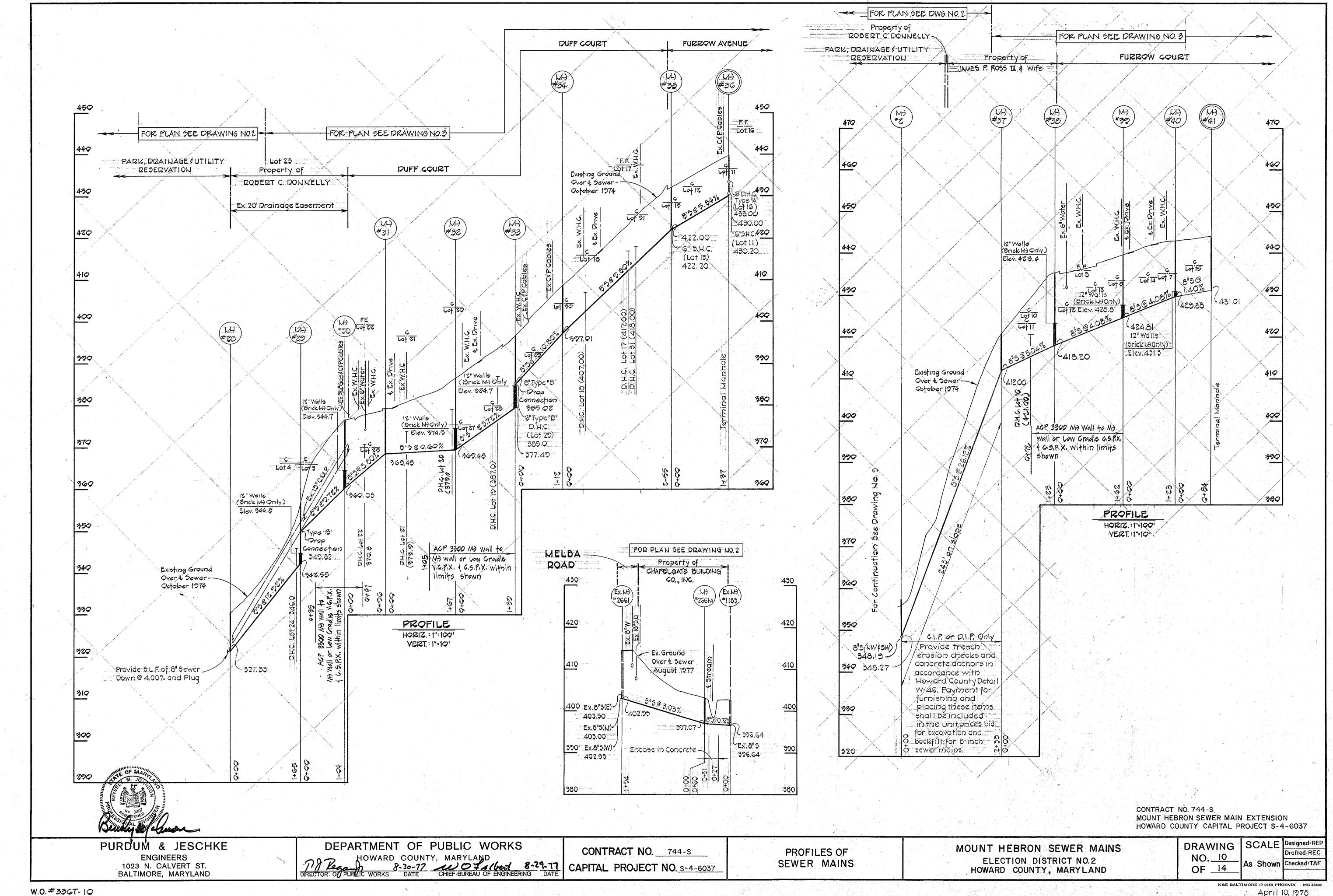


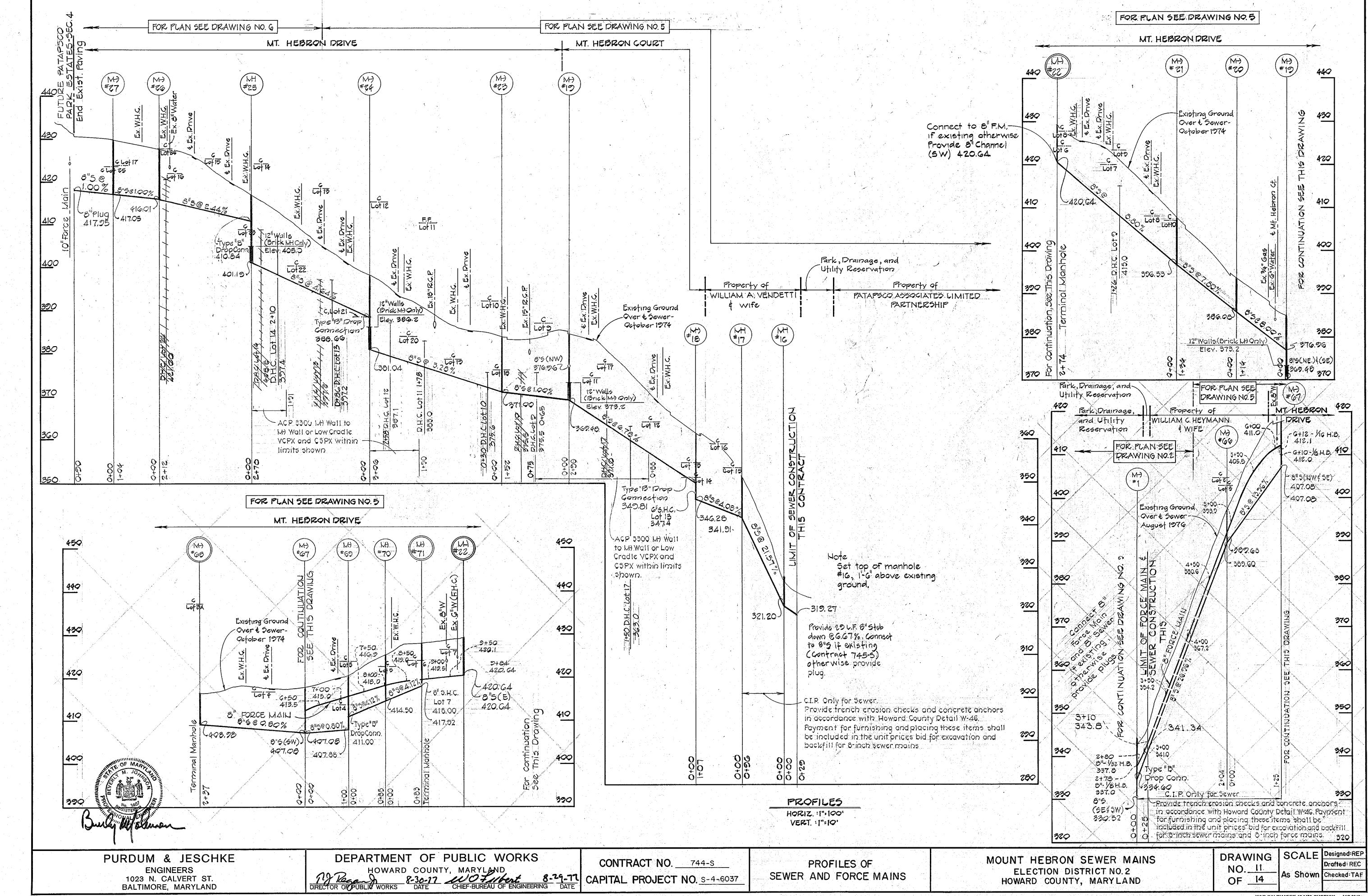
FOR PLAN SEE DRAWING NO. 3

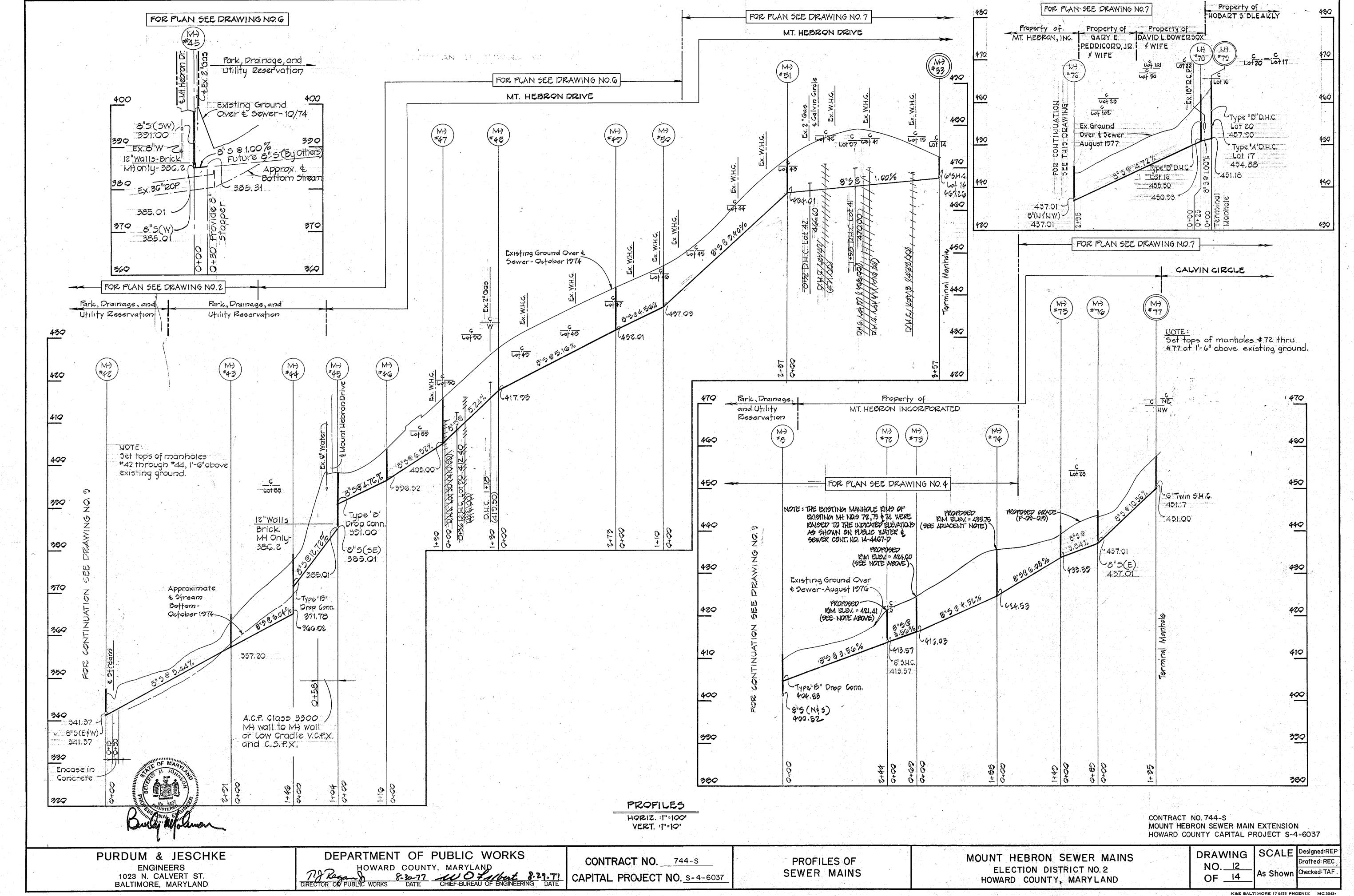
PARK, DRAINAGE AND UTILITY RESERVATION

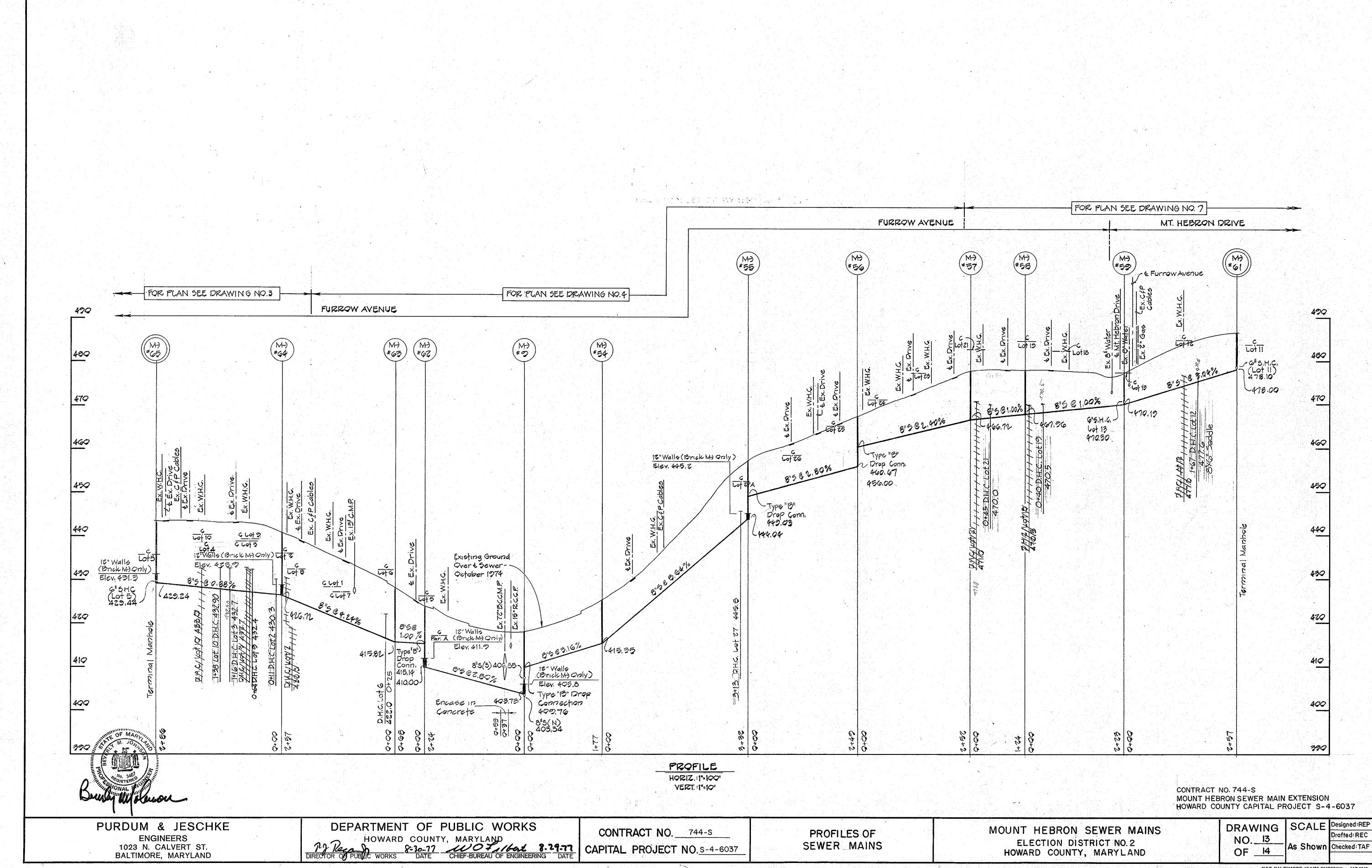
FOR PLAN SEE DRAWING NO. 4

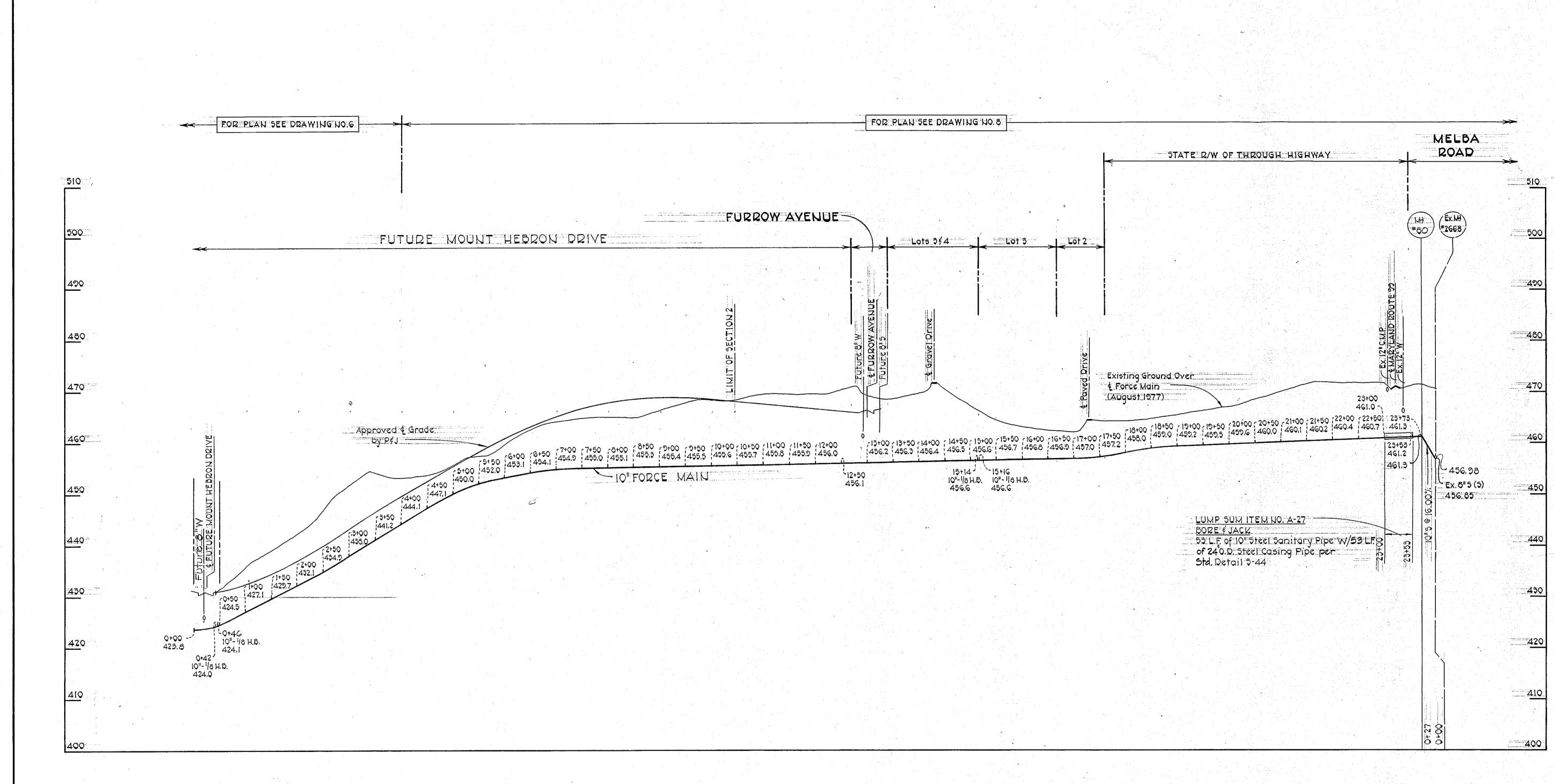
FURROW AVENUE











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



CONTRACT NO. 744-S MOUNT HEBRON SEWER MAIN EXTENSION HOWARD COUNTY CAPITAL PROJECT S-4-6037

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

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

Selic works date

CONTRACT NO. 744-3

CAPITAL PROJECT NO. 5-4-6037

CONTRACT NO. 744-S

PROFILES MOUNT HEBRON FORCE MAIN MOUNT HEBRON SEWER MAINS ELECTION DISTRICT NO.2 HOWARD COUNTY, MARYLAND

SCALE Designed:REP DRAWING NO.<u>14</u> OF <u>14</u> As Shown Checked: TAF