

BENCH MARKS

B.M. #2 Elev. 398.15
 P.I. #2 - Hub & Tack Conc. Monument 0.1' Below Surface 800' N of High School @ Athletic Field Fence.

B.M. #3 Elev. 377.43
 P.I. #3 - Hub & Tack Conc. Monument 0.25' Below Surface 88' S.W. of 6652 Hawkey Run # 7' East of Crab Freetown Rd.

Howard Co. Mon. # 2439001 Elev. 418.615
 Hub & Tack Edge West Pavement Freetown Road At Intersection with Quarterstaff Road.

Howard Co. Mon. # 2440001 Elev. 420.849
 Hub & Tack 60' South of C&P Pole # 162272 And 8' East Edge Of Pavement Freetown Road.

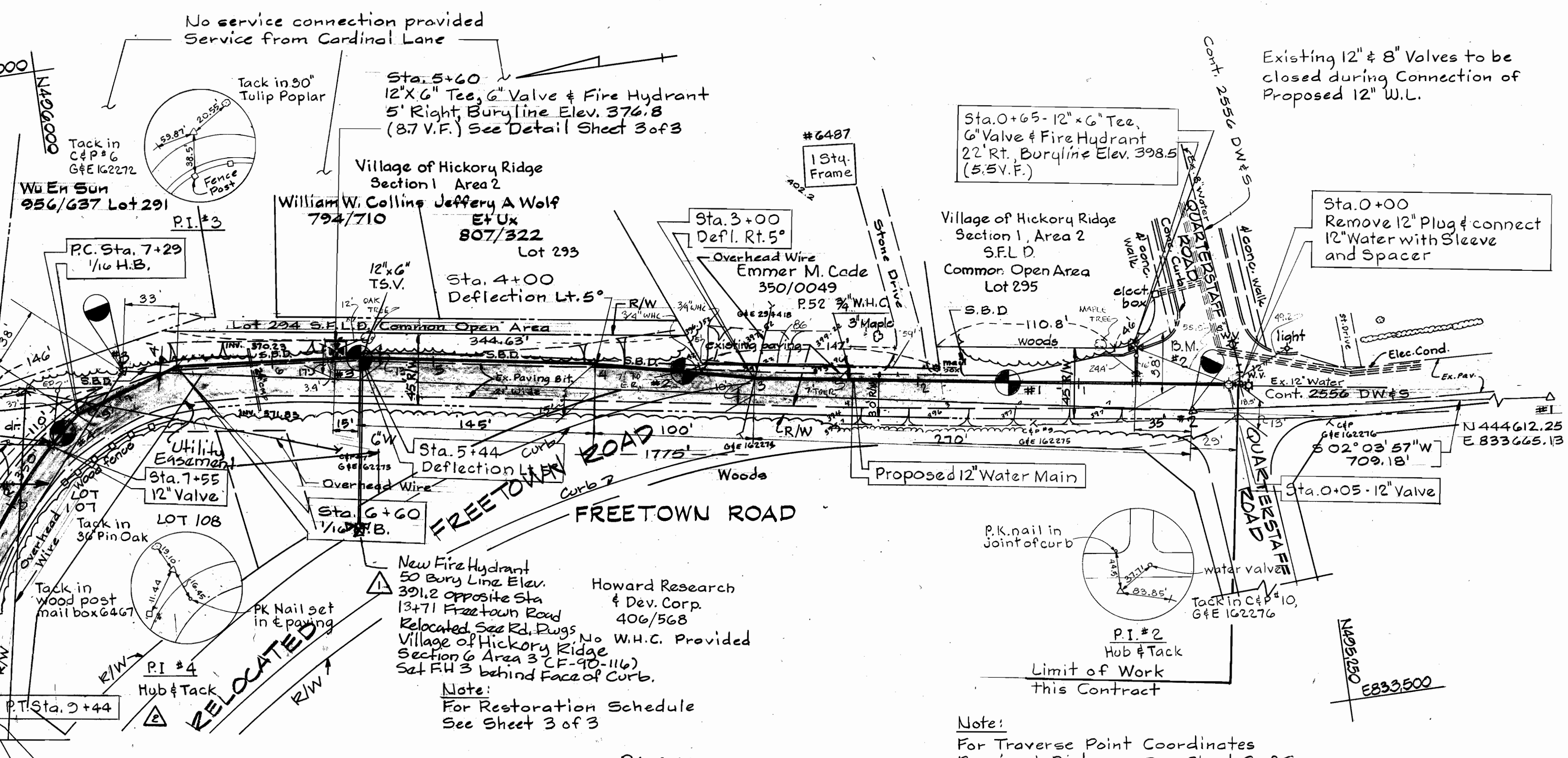
The existing Valve Box shall be visible at Grade after removal of old Freetown Rd. Paving.

No service connection provided Property outside Metropolitan District.

Howard Research & Dev. Corp. 406/568

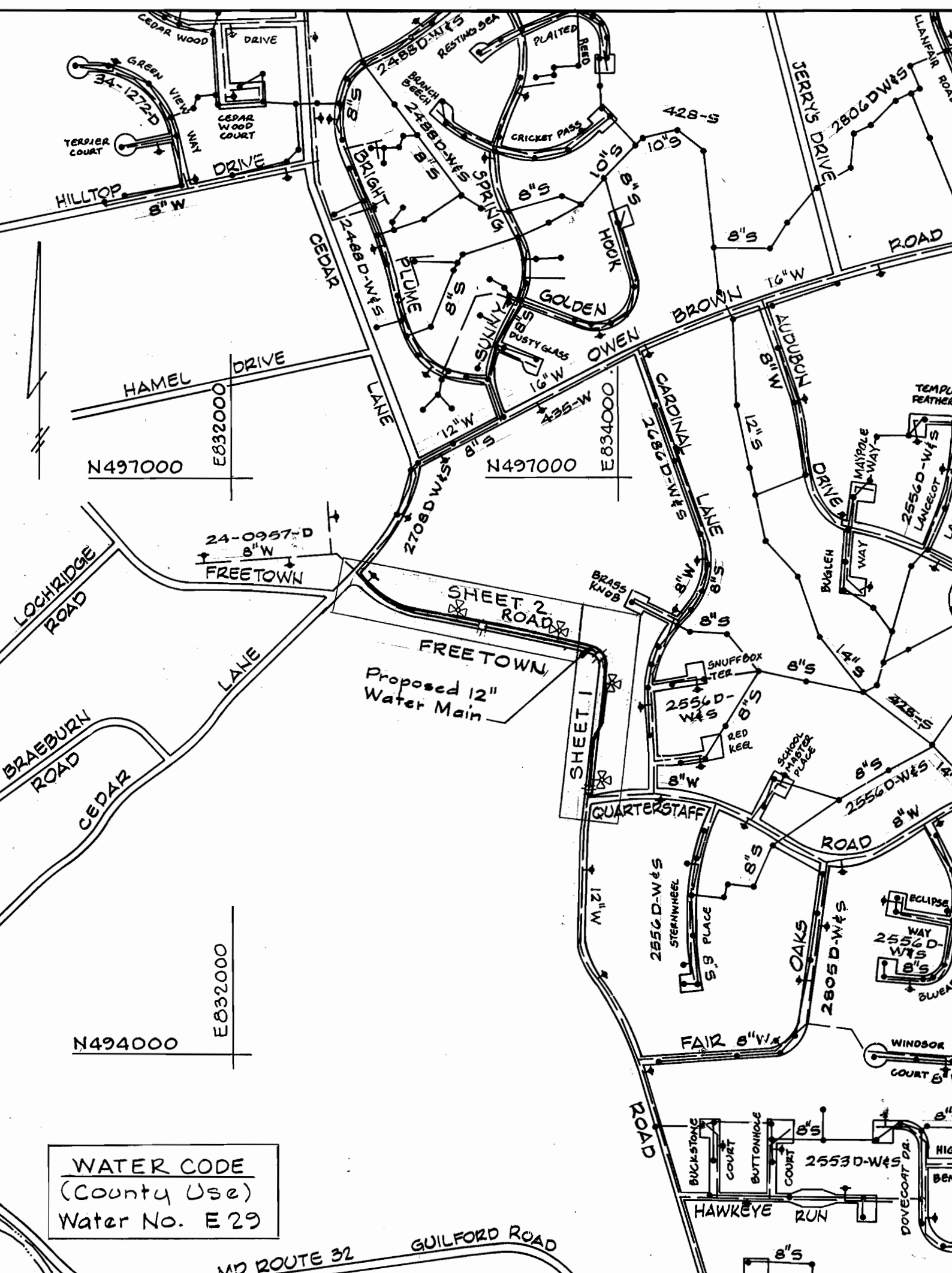
David S. Barkley & Wife 479/0726 P.133

Water and Utility Easement



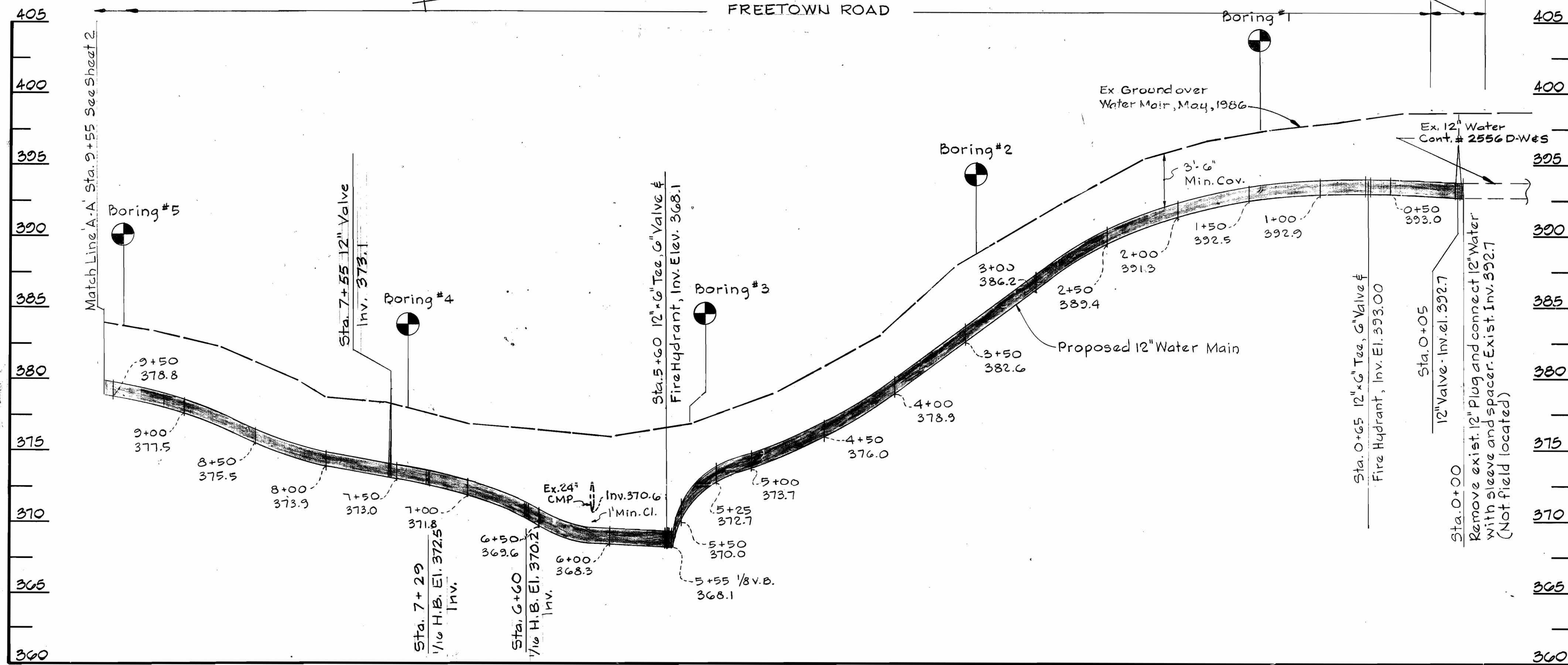
PLAN
 Scale: 1" = 50'

Note:
 For Traverse Point Coordinates Bearing & Distance, See Sheet 3 of 3



VICINITY MAP
 SCALE 1" = 600'

- GENERAL NOTES**
1. 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 to the satisfaction of the Engineer at the Contractor's expense.
 2. All horizontal controls are based on Maryland State Coordinates.
 3. All vertical controls are based on U.S.G.S. data.
 4. All pipe elevations shown are invert elevations.
 5. Clear all utilities by a minimum of 6'.
 6. For details not shown on the drawings, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Details for Construction. The contractor shall have a copy of Volume IV on the job.
 7. Where test pits have been made on existing utilities, they are noted by the symbol at the location of the test pit. A note or notes containing the results of the test pit or pits is included on the drawing. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be verified by the Contractor to his own satisfaction. Any damage to existing facilities due to the Contractor's negligence shall be repaired at the Contractor's expense.
 8. Contractor shall notify the following utilities or agencies at least five working days before starting work shown on these plans:
 Baltimore Gas & Electric Co. - Contractor Service 850-4620
 Baltimore Gas & Electric Co. - Under Ground Damage Control 859-9004
 Baltimore Gas & Electric Co. - Trouble Shooting - 298-9001
 Miss Utility - 1-550-0100; C&P Telephone 1-800-257-7777
 Bureau of Utilities, Howard County Department Public Works - 992-2366
 9. Trees and shrubs are to be protected from damage to maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.
 10. Contractor shall remove trees, stumps and roots along line of excavation. Payment for such removal shall be included in the unit price bid for construction of the main.
 11. All water mains to be D.I.P. Class 52 unless otherwise noted.
 12. Top of all water mains to have a minimum of 3/2 cover unless otherwise noted.
 13. Valves adjacent to trees shall be strapped to trees.
 14. All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
 15. Fire hydrants shall be set to the buryline 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 shall be compacted in accordance with Section 1003 the Standard Specifications.
 16. The contractor shall not operate any water main valves on the existing water system.
 17. All water house connections shall be for inside meter setting, unless otherwise noted on the plans or in specifications.

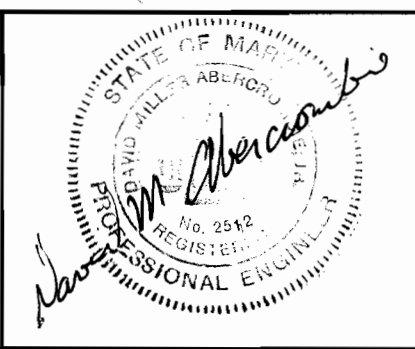


PROFILE
 Scale: 1" = 50' Horiz. & 1" = 5' Vert.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: [Signature] DATE 1-13-87
 Chief, Bureau of Engineering: [Signature] DATE 1/12/87
 Chief, Bureau of Utilities: [Signature] DATE 1/16/87
 Chief, Utility Division: [Signature] DATE 1/12/87

WALLACE MONTGOMERY & ASSOCIATES
 9 W 29TH STREET
 BALTIMORE, MD. 21218
 (301) 235-7600



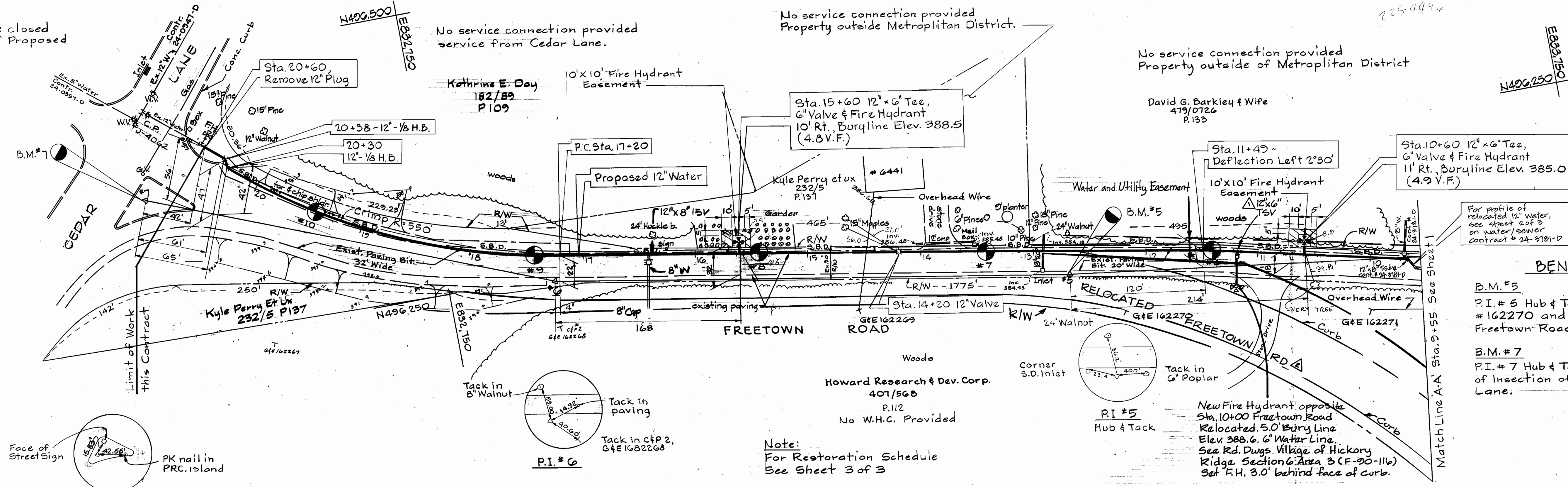
DES: H.K.					
DRN: P.B.					
CHK: D.A.	GLW	Relocate 12" W. between Sta. 9+70 & 8+65	12/29/80		
	KP	Added Relocated Freetown Road	1/29/81		
	R.P.	Added Fire Hydrant	1/29/81		
DATE: 10/21/86	BY NO.	REVISION	DATE	600' SCALE MAP NO. 35	BLOCK NO. 17 & 18

PLAN & PROFILE OF WATER MAIN

FREETOWN WATER MAIN CAPITAL PROJECT W-8147
 CONTRACT NO. 44-1533
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY MD.

SCALE AS SHOWN
 SHEET 1 OF 3

Exist. 12" Valve to be closed during Connection of Proposed 12" W.L.



BENCH MARKS

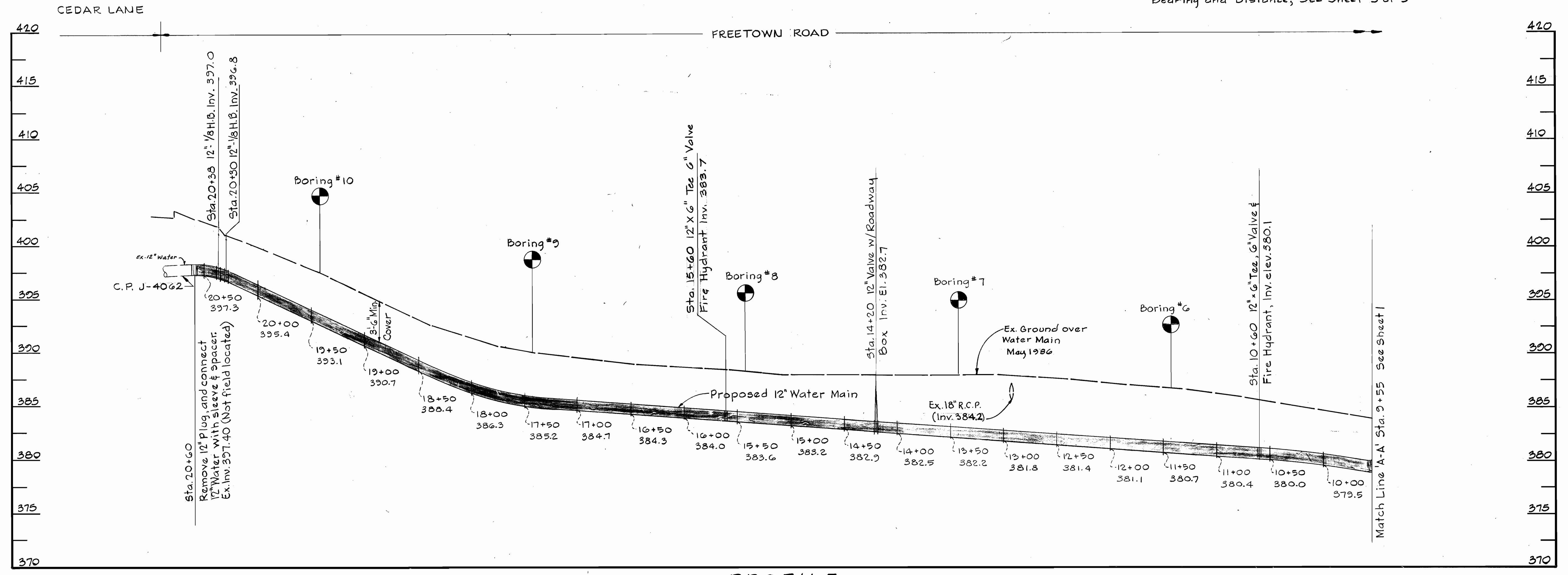
B.M.#5 Elev. 386.90
 P.I.# 5 Hub & Tack 60' N.W. of G.E. Pole # 162270 and 4' South of Edge of Pav't. Freetown Road.

B.M.#7 Elev. 402.06
 P.I.# 7 Hub & Tack in Island at S.E. Corner of Insection of Freetown Road & Cedar Lane.

Note:
 For Restoration Schedule See Sheet 3 of 3

Note:
 For Traverse Point Coordinates Bearing and Distance, See Sheet 3 of 3

PLAN
 Scale: 1" = 50'



PROFILE
 Scale: 1" = 50' Horiz. & 1" = 5' Vert.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Frank C. Neuman 1-26-82
 DIRECTOR OF PUBLIC WORKS DATE

Michael A. Strain 1/16/82
 CHIEF, BUREAU OF UTILITIES DATE

W. C. ... 1-13-87
 CHIEF, BUREAU OF ENGINEERING DATE

Frederick ... 7/12/87
 CHIEF, UTILITY DIVISION DATE

WALLACE MONTGOMERY & ASSOCIATES
 9 W 29TH STREET
 BALTIMORE, MD. 21218
 (301) 235-7600



DES:	H.K.				
DRN:	P.B.				
CHK:	D.A.	GLW	△	relocate 12" W. between sta. 9+70 to 10+65	2/23/82
		R.P.	△	Added Relocated Freetown Rd	1/25/91
		R.P.	△	Added Fire Hydrant, 8" Water	1/22/91
DATE:	10/21/86	BY:	NO.	REVISION	DATE

PLAN & PROFILE OF WATER MAIN

600' SCALE MAP NO. 35 BLOCK NOS. 17 & 18

FREETOWN WATER MAIN
 CAPITAL PROJECT W-8147
 CONTRACT NO. 44-1533
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY MD.

SCALE AS SHOWN
 SHEET 2 OF 3