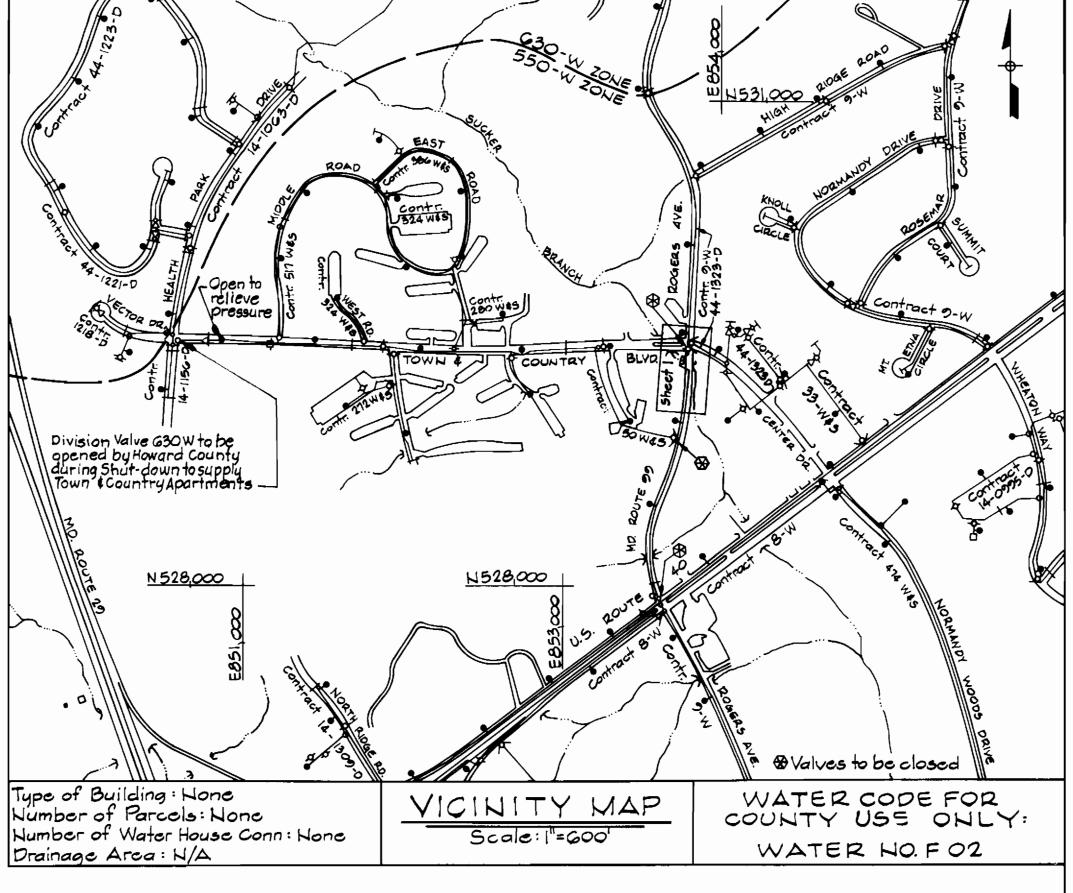


Scale: 1"=20'

ITEM	QUANTITIES ESTIM. AS BUILT		TYPE	SUPPLIER
	ESTIM.	AS BUILT	MATERIAL	SUPPLIER
12" Water	140 L.F.			

REVISION

BY NO.



GENERAL HOTES:

- 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.
- All horizontal controls based on Maryland State Coordinates.
- All vertical controls based on S.H.A. Surveys.
- All pipe elevations shown are invert elevations.
- clear all utilities by a minimum of 6".
- G. For details not shown on the drawings, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Détails for Construction. The contractor shall have a copy of Volume IV on the job.
- Where test pits are to be made on existing utilities, they are noted by the symbol at the location of the test pit. 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.
- The 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. - Underground Damage Control - 859-9004 Baltimore Gas & Electric Co. - Trouble Shooting - 208-9001 Miss Utility - 1-559-0100
 - Bureau of Útilities, Howard Co. Department of 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.
- All water mains to be D.I.P. Class 52 unless otherwise noted.
- Tops of all water mains to have a min. of 3.5 cover unless otherwise noted.
- 13. Valves adjacent to tees shall be strapped to tees.
- 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 bury line 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 from the Standard Specifications.
- 16. The Contractor shall not operate any water main valves on the existing water system. Call Howard Co. Bureau of Utilities@ 202-2366.
- 17. All water house connections shall be for inside meter setting, unless otherwise noted on the plans or in the specifications.

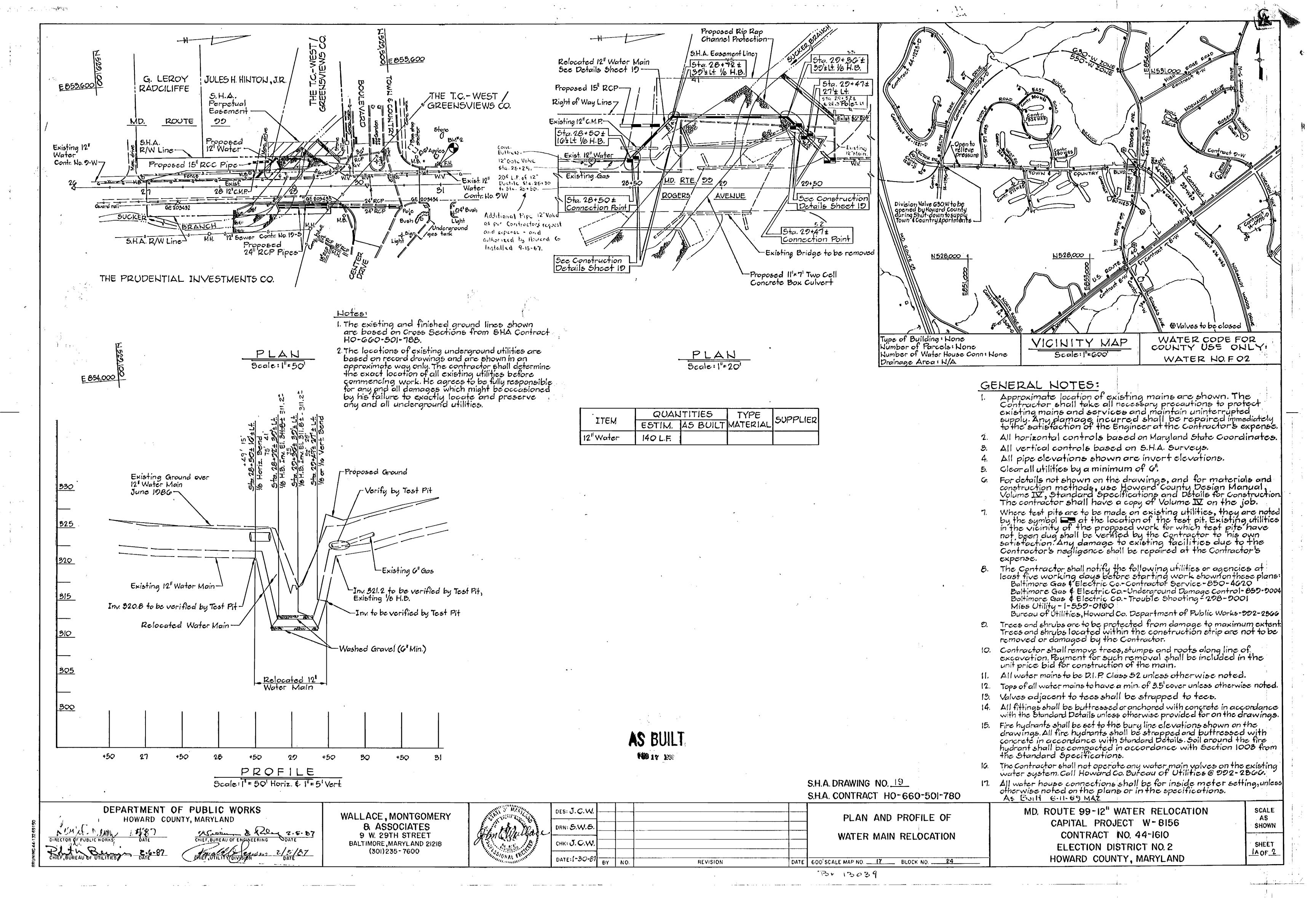
S.H.A. DRAWING NO. 18 S.H.A. CONTRACT HO-660-501-780 PLAN AND PROFILE OF

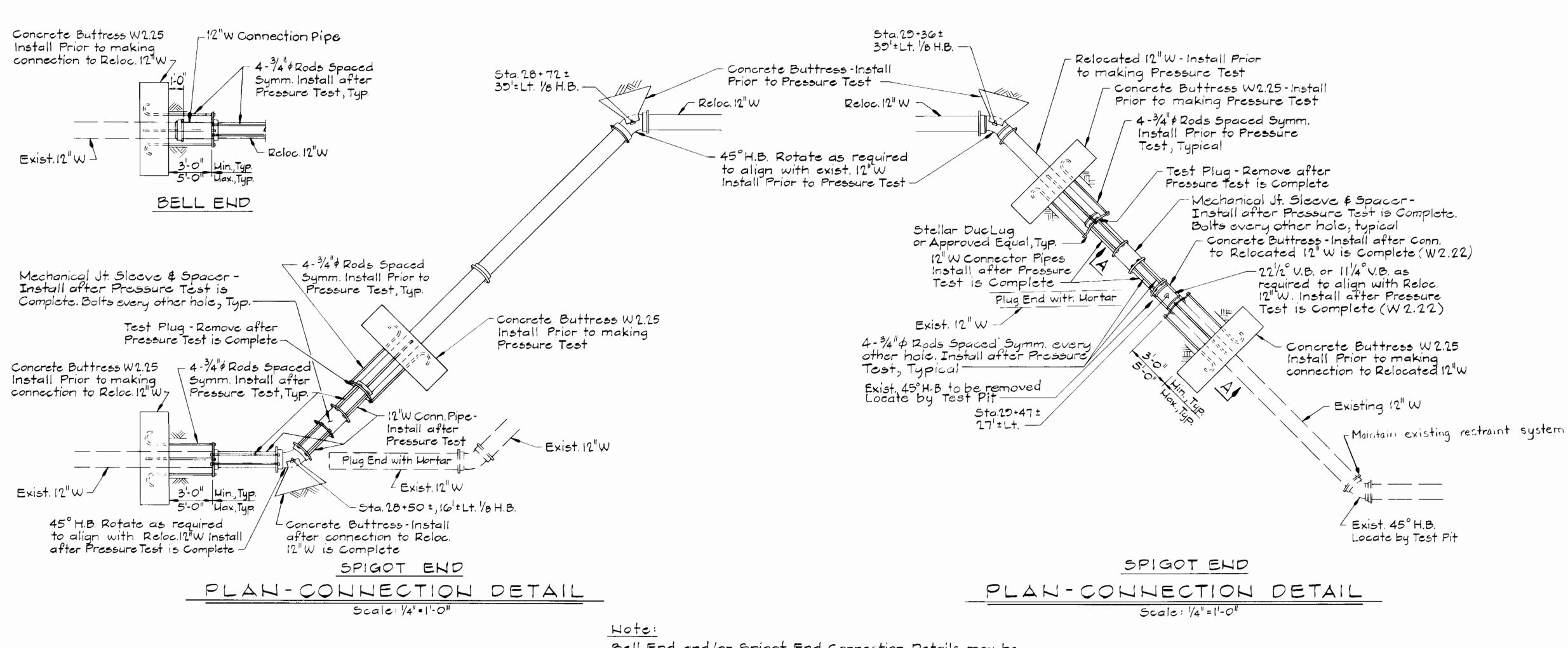
MD. ROUTE 99-12" WATER RELOCATION CAPITAL PROJECT W-8156 CONTRACT NO. 44-1610 **ELECTION DISTRICT NO. 2**

SCALE AS SHOWN SHEET

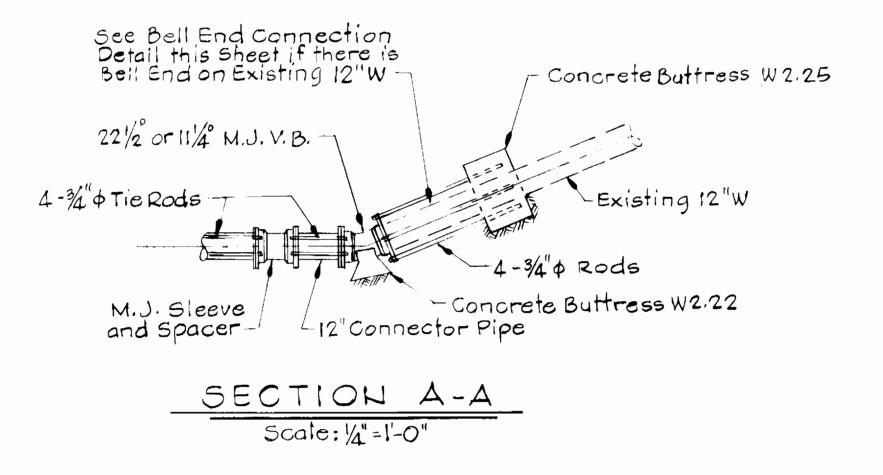
_OF_2

WATER MAIN RELOCATION HOWARD COUNTY, MARYLAND DATE | 600 SCALE MAP NO. _____ 17 ___ BLOCK NO. _____ 24





Bell End and/or Spigot End Connection Details may be used interchangeably at a Connection between the existing and relocated 12" Water Line as required to fit existing and/or relocated water line Joint configuration.



S.H.A. DRAWING NO. 19 S.H.A. CONTRACT HO-660-501-780

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND CHIEF, BUREAU OF ENGINEERING PATE

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



DES: J.C.W.			
DRN: D.E.D.			
снк: Ј.С.W.			 · ·
DATE:1-30-87	BY	NO.	

DATE 600 SCALE MAP NO. 17 BLOCK NO. 24 REVISION

MD. ROUTE 99-12" WATER RELOCATION **DETAILS** CAPITAL PROJECT W-8156 CONTRACT NO. 44-1610 WATER MAIN RELOCATION **ELECTION DISTRICT NO. 2**

HOWARD COUNTY, MARYLAND

CONSTRUCTION PROCEDURE

line. Coordinate with Howard County.

water line and restore water service.

of relocated water line.

connections.

1. Test Pit to locate pipe joints and bends in existing 12" Water Line that are closest to relocation points.

3. Connections between existing and relocated water line must be performed between Midnight Saturday and Seven A.M. next Sunday

relocated sections of water line by Seven A.M. Sunday. Customers served by affected sections of existing water line must be given 72 hours notice. Howard County must be given seven days notice of scheduled connections between existing and relocated water

4. After existing water line is shut down by Howard County drain

existing water line as required to make connections to sections

5. Remove sections of existing water line as required to construct

6. Construct connections using details shown on connection plans.

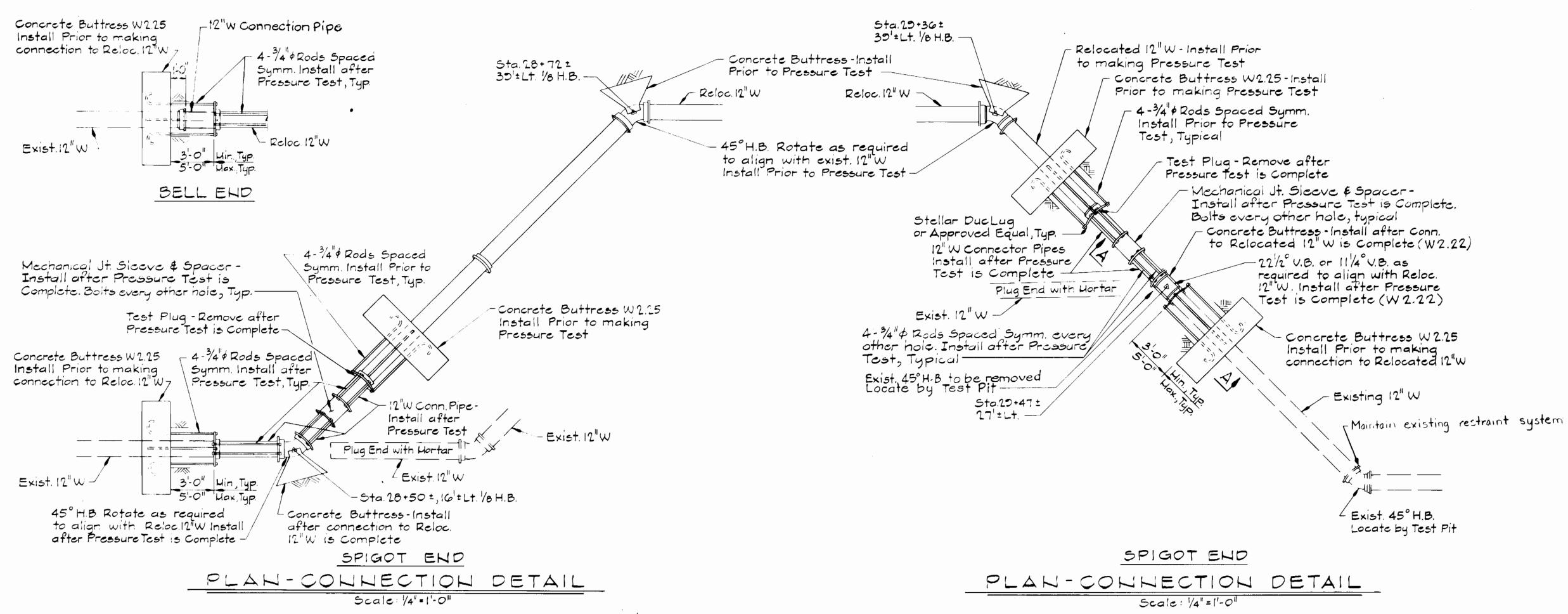
7. When connections are complete fill section or sections of relocated

2. Install relocated 12" Water Line as shown, pressure test and perform bacteriological exam.

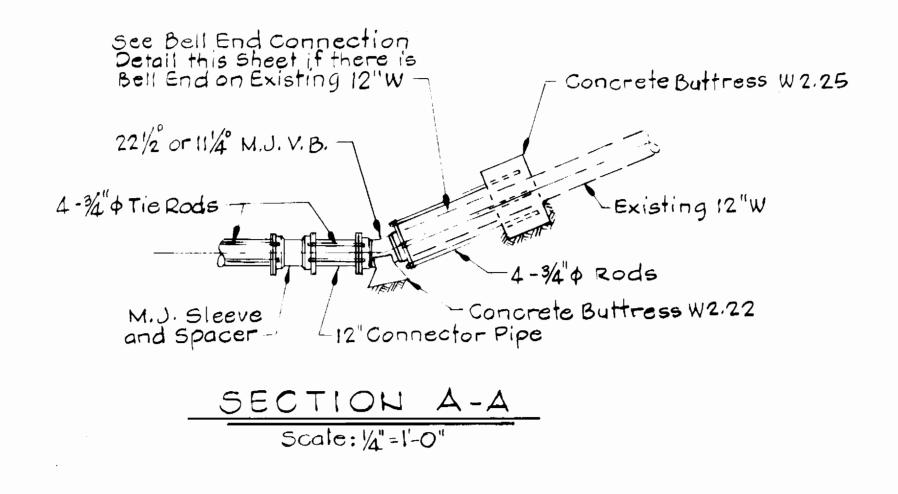
in order that water service can be restored in existing and

SCALE AS SHOWN

SHEET 2 of 2



Hote: Bell End and/or Spigot End Connection Details may be used interchangeably at a Connection between the existing and relocated 12" Water Line as required to fit existing and/or relocated water line Joint configuration.



AS BUILT

16B 17 19

S.H.A. DRAWING NO. 29 S.H.A. CONTRACT HO-660-501-780

DETAILS

WATER MAIN RELOCATION

45 Built 8-11-89 MAZ

MD. ROUTE 99-12" WATER RELOCATION CAPITAL PROJECT W-8156 CONTRACT NO. 44-1610 **ELECTION DISTRICT NO. 2** HOWARD COUNTY, MARYLAND

CONSTRUCTION PROCEDURE

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SHOWN SHEET 24 OF 2

SCALE

A\$

B- 13039

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

CHIEF, BURE AU OF ENGINEERING PATE

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

John Challace

DRN: D.E.D. CHK: J. C.W.

des: J.C.W.

DATE:1-30-87 BY NO. DATE 600' SCALE MAP NO. 17 BLOCK NO. 24 REVISION

1610