GENERAL MOTES

- 1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted service. 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.
- All vertical controls are based on U.S.G.S. data.
- 4. All pipe elevations shown are invert elevations unless otherwise noted on the plans.
- 5. Clear all utilities by a minimum of 6". Clear all poles by 2'-0" minimum or tunnel as required. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the Contractor's work requires the bracing of additional poles, any cost incurred by the owner for the bracing of additional poles or damages shall be deducted from money owed the Contractor. The Contractor shall coordinate with the utility companies to schedule the bracing of the poles.
- 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 (Latest Edition). 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 eat the location of the test pits. A note or notes containing the results of the test pit or pits is included on the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be located by the Contractor two weeks in advance of construction operations at his own expense.
- 8. Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

AT&T865-3803
BGE (Contractor Services)850-4620
BGE (Underground Damage Control)
Bureau of Utilities313-4900
Bell Atlantic Maryland, Inc597-8585
Colonial Pipeline Co
Miss Utility1-800-257-7777
State Highway Administration531-5533

- 9. All water mains shall be D.I.P. Class 52 unless otherwise
- 10. Tops of all water mains shall have a minimum of 3'-6" of cover unless otherwise noted.
- 11. Valves adjacent to tees shall be strapped to tees.

-EX.GROVER WM.

-PROP 6" BUTTRESS

(6/94)

- EX PAVED RD

(6/94)

STA 2+43

PROP 6" TWIN DROP SHC

- PROP TWIN DROP SHC

INV 99.50

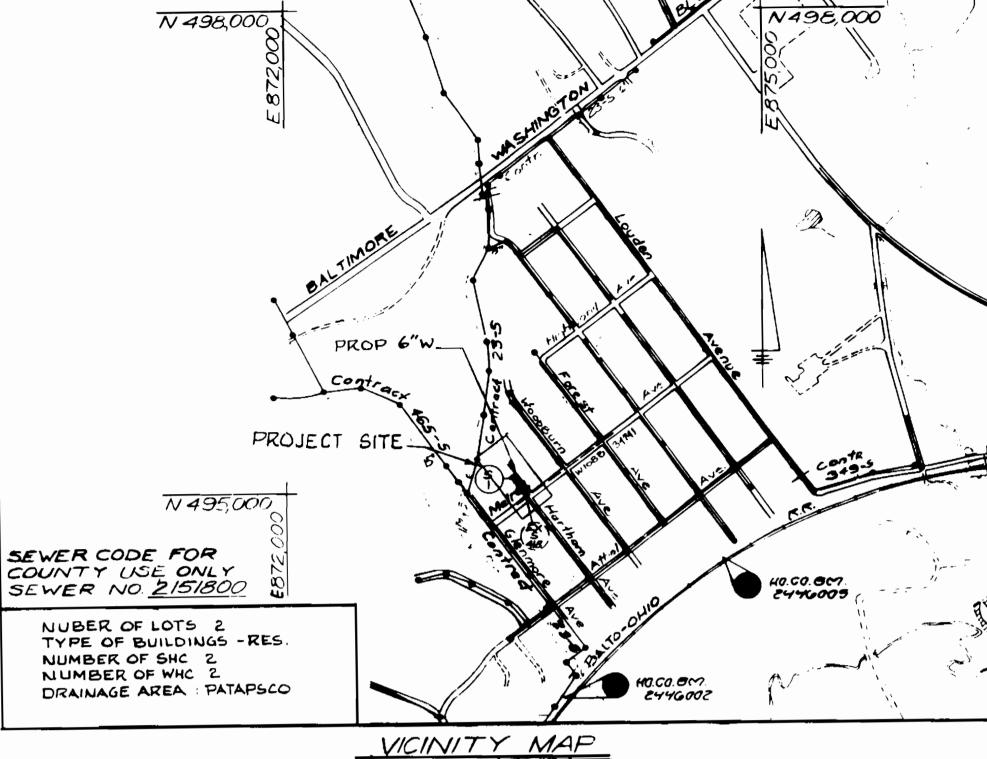
- 12. All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
- 13. Fire Hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be installed in accordance with Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and Section 1005 of the Standard Specifications.
- 14. The Contractor shall not operate any water main valves on the existing water system.

1	QUANTITIES					
١	ITEM	UNIT	ESTIMATE	AS BUILT	SUPPLIER	
1	6" WATER MAIN	LF	243'			
	3/4" 4 WHC	LF	8 0′			
	6" 4 SHC	LF	3 0′			
	4" Ø SHC	LF	30'			

RESTORATION SCH	EDULE (WATER MAIN)
STATION	RESTORATION
0+00 TO 1+06	PAVING
1+06 TO 2+43	SEED & MULCH

WATER MAIN STAKE OUT TABLE				
STATION	STATION DESCRIPTION			
0+00	0+00 TS&V			
1+00	45° BEND	165° 0′	161	
1+10	45° BEND	162°∞	155′	
2 +43	BUTTRESS	13500	25	

ANGLE AND DIST. TAKEN FROM TRAVERSE PT B&A 2 SIGHTING TRAVERSE PT 105 .



0.5" 4 1" C.T.V. 3.16' COVER

1.0°

TEST PIT 2

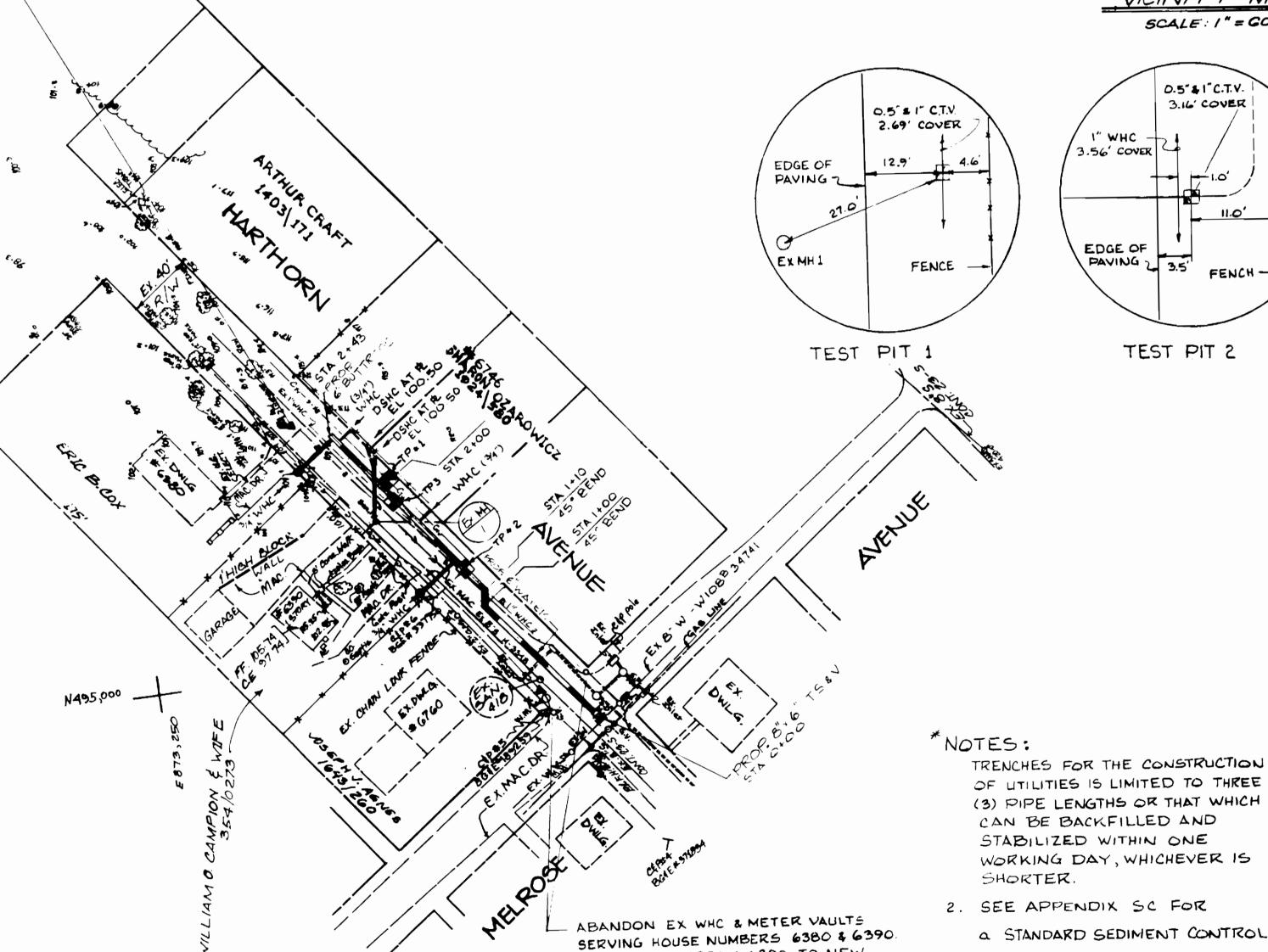
SCALE: I" = GOO'

I" WHC

3.56' COVER

EDGE OF

PAVING >



RECONNECT 6380 4 6390 TO NEW

3/4" WHO AND METER VAULTS AT PROPERTY

EDGE OF

Contact Howard County Bureau of Construction Inspection (313-1880) prior to starting date. Install erosion and sediment control devices as

Sequence of Construction

TEST PIT 3

I" WHC

15.0

FENCE -

3.07'COVER .

per Section 219 of the Howard County Design Manual Vol. IV. and APINALIX SC

*Excavate and Install proposed 6" water, 3/4" water house connections and sewer house connections.

Restore paving and earth trenches to their original condition as per Howard County Standards.

Upon permission from Howard County Sediment Control Inspector, remove Sediment Control

Fine grade all disturbed areas and stabilize with

By the Developer:

"I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning this project. I also authorize periodic on-site inspection by Howard Soil Conservation District."

By the Engineer:

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of

C. PERMANENT SEEDING NOTES

d STRAW BALE DIKE DETAILS Signiture of Engineer AND CONSTRUCTION SPECS.

NOTES

b. TEMPORARY SEEDING NOTES the Boward Soil Conservation pistrict.

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

REVIEWED FOR SOIL CONSERVATION DISTRICT AND

MEETS TECHNICAL REQUIREMENTS

.CONSERVATION DISTRIC

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

-HARTHORN AVE. ----

EX.8"S (5)

INV. 92,807

HOR 1" - 50" VERT 1" - 5"

THIS CONSTRUCTION PLAN IS APPROVED FOR SOIL EROSION

AND SEDIMENT CONTROL BY THE HOWARD SOIL



E: 6/94	BY	NO.	REVISION	DATE	600' SCALE MAP NO. 38 BLOCK NO. 13
. 000					PLAN & PROFILE
: ODL				1	PLAN & PROFILE
					GENERAL NOTES
: AM/BC					0515041 410750
ODL					VICINITY MAP
001					

BY NO.

PLAN

3CALE: 1"-50

HARTHORN AVENUE WATER CAPITAL PROJECT S-6694 **CONTRACT No. 14-3348**

ELECTION DISTRICT No. I

HOWARD COUNTY, MARYLAND

EXTENSION

SHOWN

APPROVED: