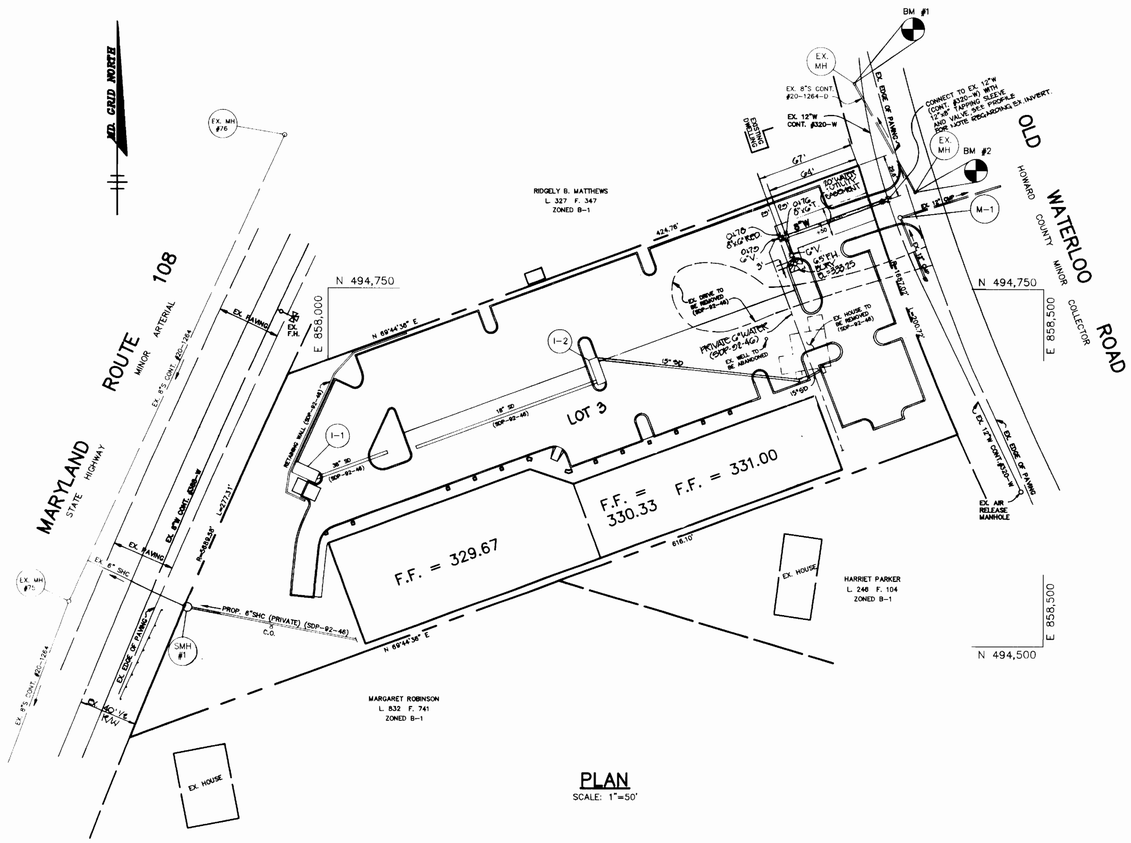


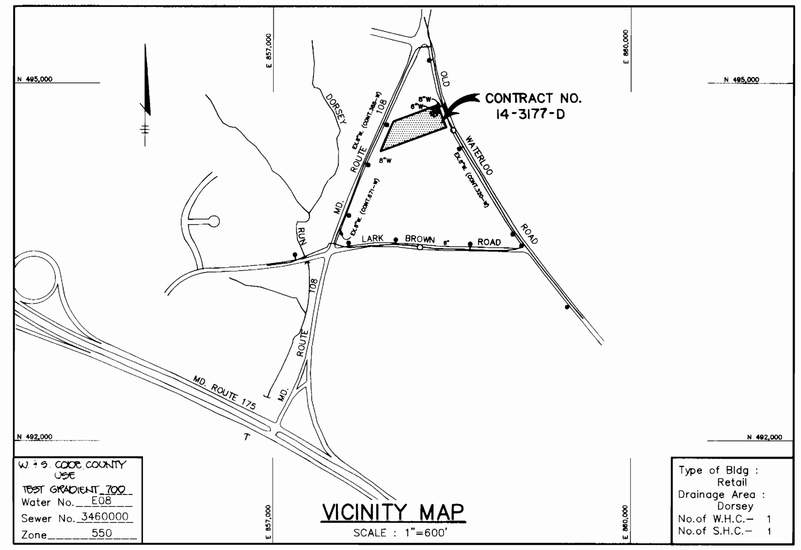
PLAN

SCALE: 1"=50'

BENCHMARKS

BM #1 ELEV. 334.89
SEWER MANHOLE COVER 55'± NORTH OF NORTHEASTERN MOST PROPERTY CORNER. 15'± FROM EXISTING EDGE OF PAVING ON OLD WATERLOO ROAD.

BM #2 ELEV. 334.65
SEWER MANHOLE COVER 32'± EAST OF SITE, IN PAVING ON OLD WATERLOO ROAD AND 5'± NORTH OF ℄ OF PROPOSED DRIVEWAY ENTRANCE.



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". 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 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 Detail 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 at the location of the test pit. 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:

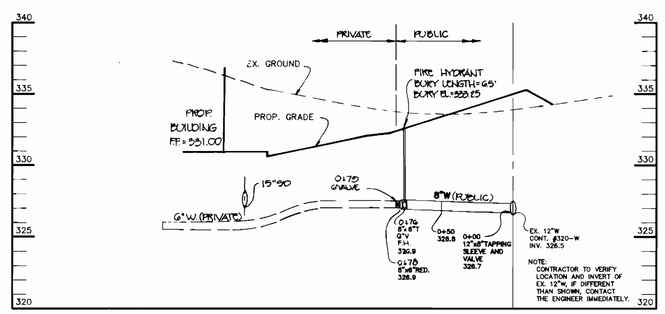
State Highway Administration	531–5533
Baltimore Gas & Electric Co. Contractor Services	850–4620
Baltimore Gas & Electric Co. Underground Damage Control	787–9068
Miss Utility	1–800–257–7777
Colonial Pipeline Co.	795–1390
Bureau of Utilities, Howard County Department of Public Works	313–4900

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. Tops of all water mains to have a minimum of 3–1/2' 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 1000 and 1005 of 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 plans or in specifications.

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS–BUILT QUANTITIES	AS–BUILT TYPE	AS–BUILT MANUFACTURER / SUPPLIER
8" WATER MAIN	79 LF			
12"X8" TAPPING SLEEVE AND VALVE	1 EACH			
FIRE HYDRANT	1 EACH			
8"X6" REDUCER	1 EACH			
6" VALVE	1 EACH			
NAME OF UTILITY CONTRACTOR :				

CHECKBOX	
AS–BUILT DATE	
SURVEY AND DRAFTING DIVISION	



WATER PROFILE

SCALE :
HOR.–1"=50'
VERT.–1"=5'

Sediment control measures for this contract will be implemented in accordance with Section 2.9 of the Specifications and as shown on SDP–92–46

HOWARD SOIL CONSERVATION DISTRICT :

Review for Howard Soil Conservation District and meets technical requirements SDP–92–46

Patricia Engler 12/7/94
U.S. SOIL CONSERVATION SERVICE DATE

This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

John P. Robertson 12/7/94
HOWARD SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 12/8/94
CHIEF, BUREAU OF ENGINEERING — DATE 12/8/94
CHIEF, BUREAU OF UTILITIES — DATE 12-5-94
CHIEF, LAND DEVELOPMENT — DATE 12/8/94

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive Suite 200 Columbia, Md. 21045
410–997–8900 FAX : 410 –997–9282

J. Parekh
JAYKANT D PAREKH #15140

DES: CB
DRN: CB
CHK: DF
DATE: 11-4-94

BY	NO.	REVISION	DATE

PLAN AND PROFILE OF WATER MAIN

600' SCALE MAP NO. 37 BLOCK NO. 20

108–WATERLOO PROPERTY
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO.14-3177-D

SCALE AS SHOWN

SHEET 1 OF 1