

# WATER EXTENSION

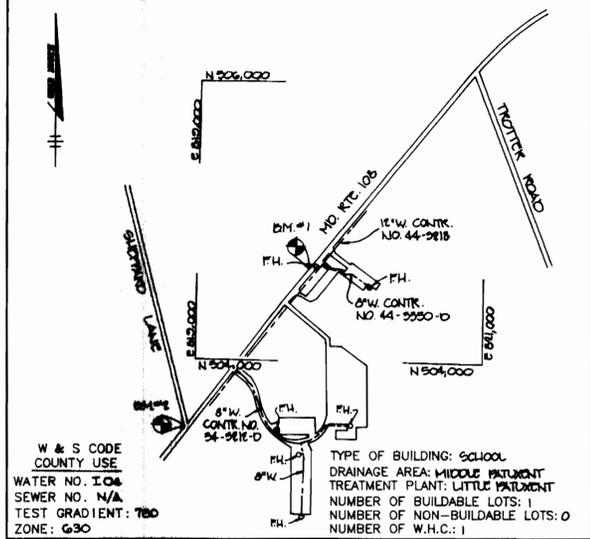
# CLARKSVILLE ELEMENTARY SCHOOL

## CONTRACT NO. 44-3350-D

## 5th ELECTION DISTRICT

AS-BUILT 11/14/94

3350 ws/1 Clarksville Elementary School



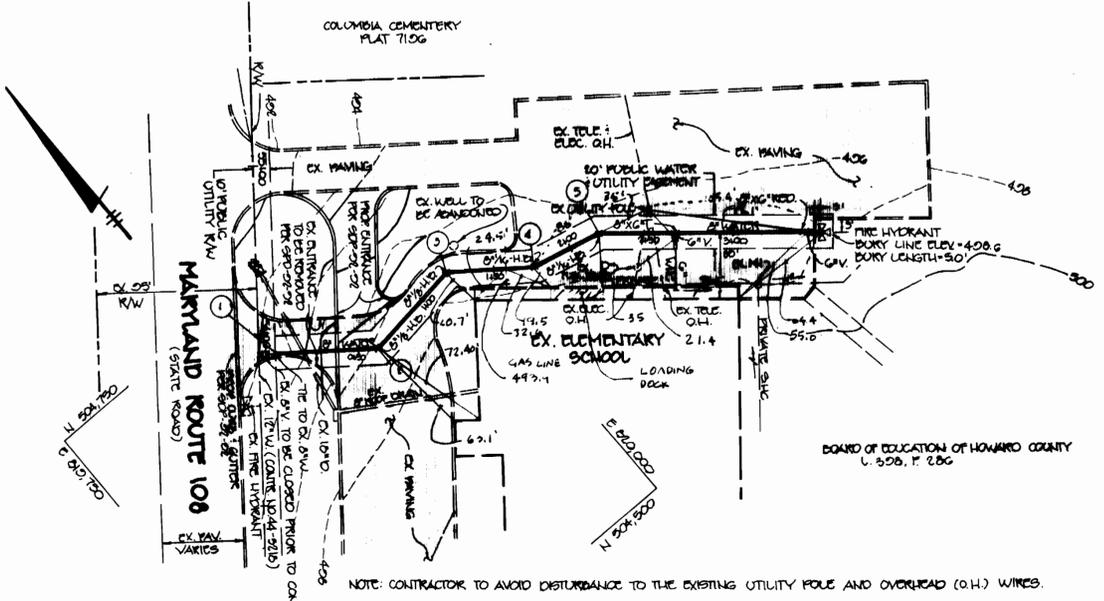
**VICINITY MAP**  
SCALE: 1"=600'

**GENERAL NOTES**

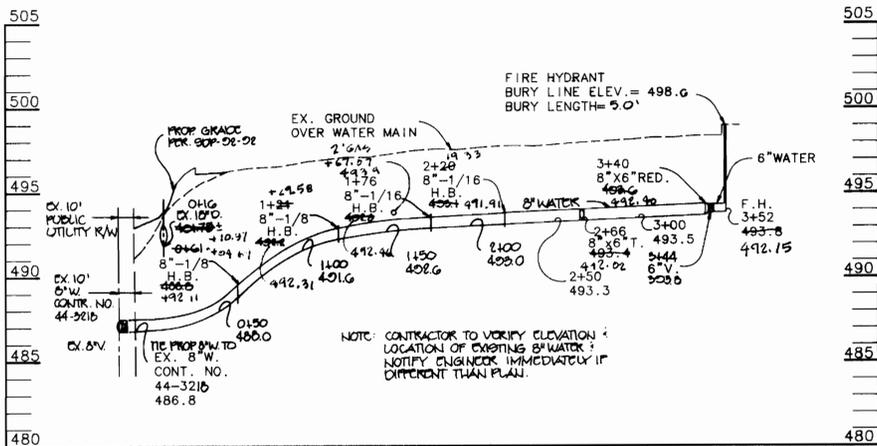
1. Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
2. All 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 8". 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	787-8068
Miss Utility	1-800-257-7777
Colonial Pipeline Co.	795-1390
Bureau of Utilities, Howard County Department of Public Works	313-4900
9. Trees 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 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 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.
18. **SEEDING CONTROL TO BE PROVIDED ON AN AS NEEDED BASIS TO BE DETERMINED IN THE FIELD BY THE BENCHMARK CONTROL INSPECTOR.**

COORDINATE SCHEDULE		
NO.	NORTH	EAST
1	504,707.25	010,000.00
2	504,670.50	010,020.00
3	504,676.25	010,000.20
4	504,647.00	020,030.10
5	504,687.25	020,075.20



**PLAN**  
SCALE: 1"=50'



**WATER PROFILE**  
SCALE: HOR.: 1"=50'  
VERT.: 1"=5'

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
8" WATER MAIN	340 LF	333.00	UL 52 D2	MUNICIPAL WATERWORKS
6" WATER MAIN	12 LF	16.00	"	"
FIRE HYDRANT	1	1	KENNEDY	ANNA - 102 4414
6" VALVE	2	2	KENNEDY/MS	ANNA 21, ANNA 4
8" - 1/8 H.B.	2	2	45° BEND U	GIULIETTI/ANNA
8" - 1/16 H.B.	2	2	22.5 BEND	DE
6" W.H.C.	10 LF	2.5	UL 52 U	"
8"x6" REDUCER	1	1	VI	"
0"x0" TEE	1	1	"	"
WATER MAIN PRIVATE		37.15	UL 54 D2	DEPTIN

NAME OF UTILITY CONTRACTOR :	CHECKBOX
	AS-BUILT DATE
	SURVEY & DRAFTING DIVISION

**BENCHMARKS**

NO. 1  
HOWARD COUNTY MONUMENT # 2737002  
ELEV. 491.557  
CONC. MONUMENT 0.5' BELOW SURFACE. 7'±  
OFF NORTHWEST EDGE OF PAVING OF RTE. 108  
DIRECTLY OPPOSITE CLARKSVILLE ELEM. SCHOOL  
AND 57.2'± FROM CMP POLE #288

NO. 2  
HOWARD COUNTY MONUMENT # 2737004  
ELEV. 484.671  
CONC. MONUMENT 0.6' BELOW SURFACE 4.5'±  
OFF NORTHWEST EDGE OF PAVING OF RTE. 108  
42.2'± WESTWEST OF SHEPPARD LANE

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications.

Review for Howard Soil Conservation District and meet technical requirements.

*J. M. Wainfield* 6/23/94  
US SOIL CONSERVATION SERVICE DATE

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

*John R. Polunton* 6/23/94  
HOWARD SOIL CONSERVATION DISTRICT DATE

<p style="text-align: center;"><b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND</p> <p><i>James J. ...</i> 6/24/94 DIRECTOR OF PUBLIC WORKS DATE</p> <p><i>John R. Polunton</i> 6/24/94 CHIEF, BUREAU OF UTILITIES DATE</p>	<p style="text-align: center;"><b>RIEMER MUEGGE &amp; ASSOCIATES, INC.</b> Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, Md 21045 410-997-8900 FAX: 410-997-8282</p> <p style="text-align: center;"><i>J. ...</i> JAYKANT D. PAREKH # 19148</p>	<p>DES: J.C.D.</p> <p>DRN: J.C.D.</p> <p>CHK: C.J.R.</p> <p>DATE: 6.14.94</p>	<p style="text-align: center;"><b>CLARKSVILLE ELEMENTARY</b></p> <p>TAX MAP 29 PARCEL 124 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 44-3350-D</p> <p style="text-align: right;">SCALE AS SHOWN SHEET 1 OF 1</p>
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AS-BUILT 11/14/94