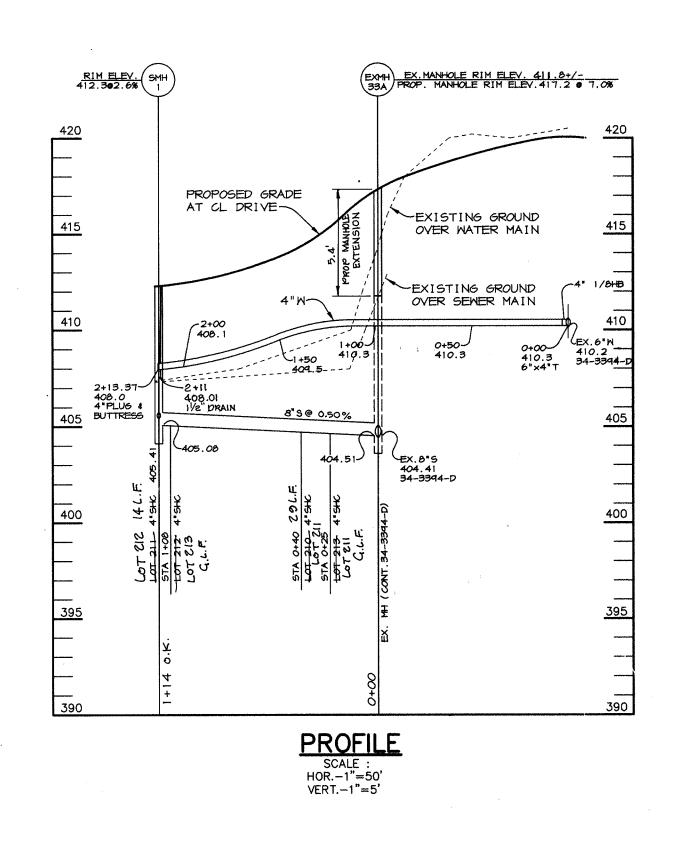


	QUAN	TITIES				
WA	QUANTITIES		AS-BUILT			
ITEMS	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER / SUPPLIER		
4" WATER	213 LF	213	D. I, P.	GRIFFIN PIPE M+C		
6"×4"T	1 EA.	I	p.1 P.	TYLER / M+C		
4" 1/8 HB	1 EA.	IEA.	D.1P.	, k 16		
8" SEWER	114 LF	114 L.F.	P.V.C. S.D.R.39	DIAMOND M&C		
4' DIA. MANHOLE	I EA.	I EA.	PRECAST ATLANTIC			
MANHOLE EXTENSION	5.4 VF	Ø				
11/2" DRAIN	1 EA.	1 EA	13RASS	CAMBRIDGE /M+C		
3/4" WHC	05 LF	84	COPPER	FORD/M+C		
4" SHC	AG LF	61 L.F.	P.V.C, SOR 35	DIAMOND		
1/2" COPPER		12 L.F.	COPPER FORD/M+(
NAME OF UTILITY CONTRACT	TOR : H.T. I.					
Sediment control meas			CHECKBOX			
will be implemented in accordance with Section 219 of the Specifications and as shown on F-98- 79			AS-BUILT DATE	6/12/,00		
			SURVEY AND DRAFTING DIVISION			
Review for Howard Soi meets technical requi		Pistrict and				



W & S Code County Use TYPE OF BUILDING: RESIDENTIAL-SINGLE FAMILY Water No. _ I - 11 DRAINAGE AREA: PATAPSCO Sewer No. 6650000 TREATMENT PLANT: L.P.W.W.T.P. VICINITY MAP NUMBER OF W.H.C.: Test Gradient: 780 NUMBER OF S.H.C.: Zone: 630

BENCHMARKS

HOWARD COUNTY SURVEY CONTROL STATION 35GA N 553,249.7018 E 1,332,627.308

HOWARD COUNTY SURVEY CONTROL STATION 35G2 N 554,965.6604 E 1,332,934.94

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
- 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 or 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.
- Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

State Highway A	Administration		531 - 5533
Baltimoré 6as 4	Electric Co.	Contractor Services	850-4620
Baltimore Gas 6	Electric Co.	Underground Damage Control	787-9068
Miss Utility		-	1-800-257-7777
Colonial Pipeli	ine Co.		795-1390
Bureau of Utill	Itles, Howard C	County Department of Public Works	5 313-4900

- 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.
- Tops of all water mains to have a minimum of 3-1/2' cover unless otherwise
- 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 restrained 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. All sewer mains shall be D.I.P. and P.V.C. unless otherwise noted.
- 19. All manholes shall be 4'-0" inside diameter unless otherwise noted.
- 20. Force mains shall be D.I.P. only.
- 21. Manholes shown with 12" and 16" walls are for brick manholes only.
- 22. Manholes designated W.T. in plan and profile shall have watertight frame and covers, Standard Detail 65.52. Where watertight manhole frame and cover is used, set top of frame 1"-6" above finished grade unless otherwise noted on the drawings.
- 23. House(s) with the symbol "C.N.S." indicates that cellar cannot be served. Lots 212 and 213 do not have cellar service as approved by the Bureau of Engineering
- 24. Manholes can be either brick or precast concrete structures.
- 25. Contractor is solely responsible for construction means, methods, techniques, sequences, procedures, and safety precautions and programs.
- 26. The fire hydrant shall be installed as per standard detail W.I.II.
- 27. Fire hydrants will be located 3' FROM BACK OF CURB unless otherwise noted. 28. For sprinkler systems, all townhomes or multi-family dwelling units
- should have a minimum of 1" connection with a 3/4" meter.
- 29. The contractor shall notify the Bureau of Highways, Howard County, at (410) 313-7450 at least five (5) working days before any open cut of any County road or boring\jacking operation in County roads for laying water\sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirements per Section 18.114(a) of the Howard County Code.

DEPARTMENT	OF	PUBLIC	WORKS
HOWARD C	OUNT	Y, MARYL	.AND

HOWARD SOIL CONSERVATION DISTRICT

District.

This plan is approved for soil erosion and

sediment control by the Howard Soil Conservation

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045

tel 410.997.8900 fax 410.997.9282

FILE: 93213/WS1.DWG



,	DES:	DAM						
	DRN:	DAM					PLAN AND P WATER AND S	
	CHK:	CJR						- August
			K.C. 1	1	ASBUILT CONDITIONS ADDED TO PLAN	10 18 00		
77	DATE: 3	5·V·95	BY	NO.	REVISION	DATE	600' SCALE MAP NO. 3	35

PLAN AND PROFILE OF WATER AND SEWER MAINS

BLOCK NO.

CLARKS GLEN SECTION 4 LOTS 211 - 215 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT 34-3666-D

SHOWN

SHEET 1_0F_