

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
AIR RELEASE MANHOLE, 4" DIA.	1 EA	1 EA		ATLANTIC CONCRETE
8" WATER	341 LF	231 LF	CL 82 D.I.P.	ATLANTIC STATES
8"x6" REDUCER	2 EA	1 EA		
3/4" WHC	123 LF	123 LF	3/4" COPPER	CAMBRIDGE LEC
8" SEWER (PVC)	220 LF	220 LF	SDR 35 PVC	J-M MANUFACTURING
8"-1/8 HB	2 EA	2 EA	MJ 45	GRIFFIN PIPE
4" SHC	120 LF	120 LF	SDR 35 PVC	J-M MANUFACTURING
4'-0" DIA. MANHOLES	2 EA	2 EA		ATLANTIC CONCRETE
4'-0" DIA. MANHOLES	17 VF	17 VF		"

NAME OF UTILITY CONTRACTOR: UTILITIES UNLIMITED, INC.

WATER HOUSE CONNECTIONS: 7 EA. CHECKBOX

SEWER " " " " " " MAYBE BEOS INC. AS-BUILT DATE: 12/15/96

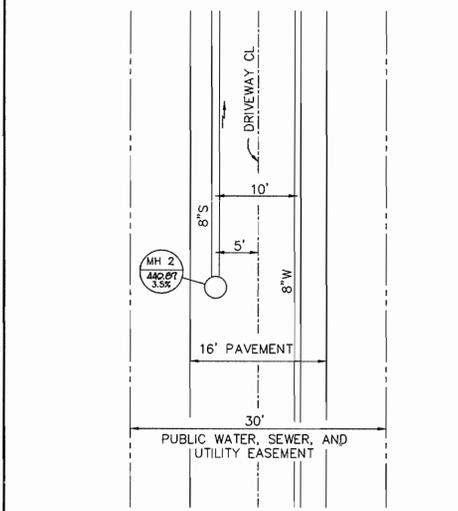
DROP BLOCK HOUSE CONNECTION 8"x4" 4 EA. SURVEY AND DRAFTING DIVISION

WATERMAIN FITTING LOCATION SCHEDULE

FITTING	WL STA.	COORDINATES
8" REDUCER	0+25	N 555440.02 E 1331811.40
AIR RELEASE MANHOLE	2+14	N 555020.10 E 1331870.01
8"-1/8 HD	2+20	N 555030.40 E 1331860.00
8"-1/8 HD	2+20	N 555040.04 E 1331860.00

MANHOLE SCHEDULE

SEWER MANHOLE	DETAIL NO.	LOCATION	RIM ELEVATION	COORDINATES
1	STD. DET. G5.01	5' LEFT OF CL DRIVEWAY STA 2+37	442.90	N 555,635.74 E 1331872.96
2	STD. DET. S1.31	5' LEFT OF CL DRIVEWAY STA 1+36	440.87	N 555,541.35 E 1331836.55



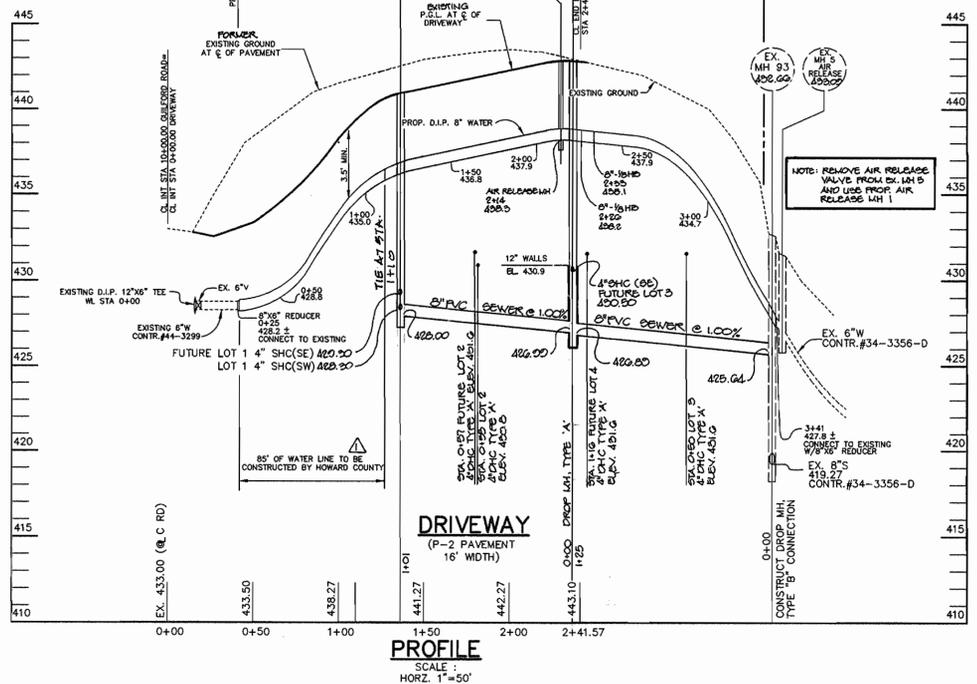
Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on F-96-16j

Review for Howard Soil Conservation District and meets technical requirements.

J. S. Soil Conservation Service 7/8/96 DATE

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

John K. Blunt 7/8/96 DATE
HOWARD SOIL CONSERVATION DISTRICT



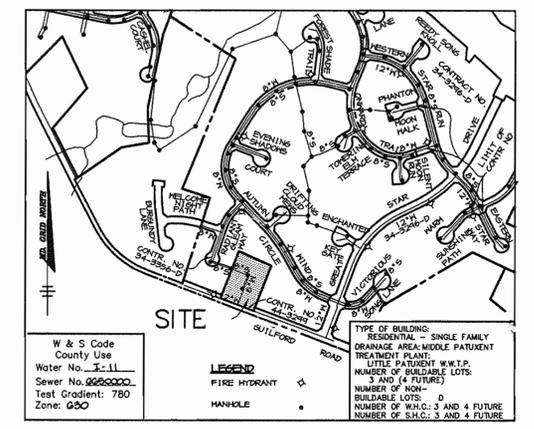
FRONT FOOTAGES FOR FUTURE LOTS IN PARLETTE II

LOT 1	= 112.84'
LOT 2	= 4.80'
LOT 3	= 4.80'
LOT 4	= 4.80'

BENCHMARKS

BM1 HOWARD COUNTY MONUMENT NO. 2637003
ELEV. 481.25
CONCRETE MONUMENT

BM2 HOWARD COUNTY MONUMENT NO. 2437003
ELEV. 472.12
CONCRETE MONUMENT



GENERAL NOTES

- 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 are based on Maryland State Coordinates.
- All vertical controls are based on U.S.C.S. DATA.
- All pipe elevations shown are invert elevations.
- 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.
- 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.
- 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 Administration	531-5533
Baltimore Gas & Electric Co. Contractor Services	850-4620
Baltimore Gas & Electric Co. Underground Damage Control	787-3068
Miss Utility	1-800-257-7777
Colonial Pipeline Co.	795-1390
Bureau of Utilities, Howard County Department of Public Works	313-4900
- 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.
- 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 minimum of 3-1/2' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
- The contractor shall not operate any water main valves on the existing water system.
- All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.
- All sewer mains shall be D.I.P. and P.V.C. unless otherwise noted.
- All manholes shall be 4'-0" inside diameter unless otherwise noted.
- Manholes shown with 12" and 16" walls are for brick manholes only.
- House(s) with the symbol "C.N.S." indicates that cellar cannot be served.
- Manholes can be either brick or precast concrete structures.
- Contractor is solely responsible for construction means, methods, techniques, sequences, procedures, and safety precautions and programs.
- Pressure head is over 60 p.s.i. All WHC's will require a PRV at service connection.

LEGEND

- ⊙ EXISTING WELL
- ⊕ EX. SEWER CLEAN OUT
- TBA TO BE ABANDONED
- TBR TO BE REMOVED

NOTE:

CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EX. WATER AND CONTACT ENGINEER IMMEDIATELY IF DIFFERENT THAN SHOWN.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
410-997-8000 FAX: 410-997-9282
HCC0296P1409VMSHP.DWG

DES: WEJ			
DRN: WEJ			
CHK: AAP			
DATE: 8-8-96	BY: NO.	REVISION	DATE

PLAN AND PROFILE OF WATER AND SEWER MAINS

600' SCALE MAP NO. 35 BLOCK NO. 19

PARLETTE I
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 34-3551-D

SCALE AS SHOWN
SHEET 1 OF 1

AS-BUILT.