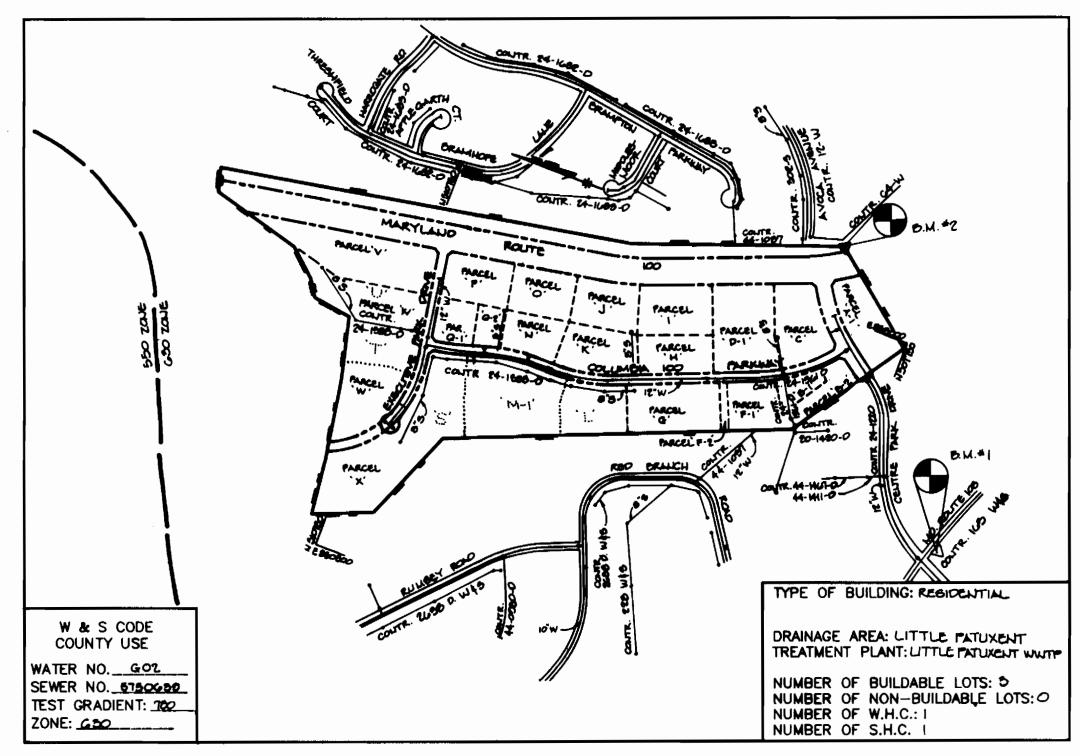
WATER AND SEWER EXTENSION

COLUMBIA 100 OFFICE RESEARCH PARK

EXECUTIVE PARK DRIVE

CONTRACT NO. 24-3278-D 2nd ELECTION DISTRICT

	QUANTITIES ESTIMATED	AS-BUILT		
ITEMS		QUANTITIES	TYPE	MANUFACTURER SUPPLIER
12" WATER MAIN	415 LF	408+ TIEIN	DIP C4,52	GRIFFIN PINE PROD
R'× 6'TEE	104	I EA.	OIP	GRIFFIN FIRE FRON
6 VALVE	164	I EA.	GATE VALVE	1
G" VALVE	184	IEA.	GATE VALVE	
12" VALVE	IEA	1 EA.	GATE VALVE	MUELLER
n' flug (buttress	IEA	1 EA.	DIF	GRIFFIN FILE POOL
S" WATER MAIN	IOLF	20 LF.	DIP CL.52	GRIFFIN PIPEFRO
Dewer Manhole	164	1 Ex. NH	PRECAST COVIC	1/186 F. EV
6" SEWER WAIN	57 LF	37 LF	DIP CL 52	GRIFFIN PUPE PRO
8°CAP	164	IEA.	DIP	GRIFFIN PINE PROL
G' WATER WAIN	ಅಚ	16 LF	DIP CL 52	GRIEFIN PIPE PROL
FIRE HYDRANT	ا ڪا	1 EA	5.5 MUCLLER	
12'X6" TEE	1EA	1 EA	DIP	GRIFFIN PIPE PROD
NAME OF UTILITY CONTRA	ACTOR: KASSE C	WESAPEAKE	Bunness	
	7/300 4	TE SAITE AIRE	CHECKBOX	
			AS-BUILT DATE	



MCINITY MAP SCALE : 1"=600'

BENCHMARKS

- 94" REBUR 0.4' BELOW SURFACE, 34.7' SOUTH OF CURB ON MARYLAND ROUTE 100 175' + EAST OF & PHELPS LICK DRIVE HOWARD COUNTY CONTROL PT. 2745010-12 ELEV. 402.70
- HAL IN STONE AT PROPERTY CORNER COLUMBIA 100 - OFFICE RESEARCH PARK. ELEV. 525.51

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
- 2. All horizontal controls are based on Maryland State Coordinates
- 3. All vertical controls are based on U.S.G.S. data.
- 5. Clear all utilities by a minimum of 6". Clear all pales 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
- methods use Heward County Design Manual, Volume IV, Standard Specifications and Detail for Construction. (Letest Edition). The contractor shall have
- 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

531-5533 850~4620 787-9068 1-800-257-7777 **795-139**0

- 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.
- Contractor shall remove trees, stumps and roots along line of excavation.
 Payment for such removal shall be included in the unit price bid fer
- 11. All water mains to be D.I.P. Class 52 unless otherwise noted.
- Taps of all water mains to have a minimum of 3-1/2 cover unless otherwise
- 14. All fittings shall be buttressed or anahored 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
- 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 DIP, RCP, VCPX, CSPX, RCCP AND P.V.C. unless otherwise noted.
- 19. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole noted.
- 20. All manholes shall be 4'-0" inside diameter unless otherwise noted.
- 21. Force mains shall be D.J.P. only.
- 22. Manholes shown with 12" and 16" walls are for brick manholes only
- 23. Manholes designated W.T. In plan and profile shall have watertight frame and covers, Standard Detail G5.52. Where watertight manhole frame and cover is used, set top of frame 1''-6'' above finished grade unless otherwise noted on the drawings.
- 24. House(s) with the symbol "C.N.S." indicates that cellar cannot be served.

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

Sediment control measures for this contract

will be implemented in accordance with Section

219 of the Specifications and as shown on F-25-III

HIWARD SOIL CONSERVATION DISTRICT I

meets technical requirements.

Review for Howard Soil Conservation District and

RIEMER MUEGGE & ASSOCIATES, INC Planners • Engineers • Surveyors 8618 Centre Park Drive • Suite 200 • Columbia, Md 21045 410-997-8900 PAX : 410-997-9282

SURVEY AND DRAFTING DIVISION



DATE: 6-17-95	BY	ND.	REVISION I	₽A.
CHK: D.F.				
DRN+ D.B.S.				Г
				Г
DES: D.B.S.				

TITLE SHEET

600' SCALE MAP NO. _____BLOCK NO.

COLUMBIA 100 OFFICE RESEARCH PARK CONTRACT NO. 24-3278-D 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

WATER & SEWER AS-BUILTS

NWDHZ SHEET 1 OF 2

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DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

