

ELLICOTT CITY, MARYLAND

(301) 461-2690

CHK:

DATE:

BY NO.

4.28.38

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CHIEF, BUREAU OF ENGINEERIN

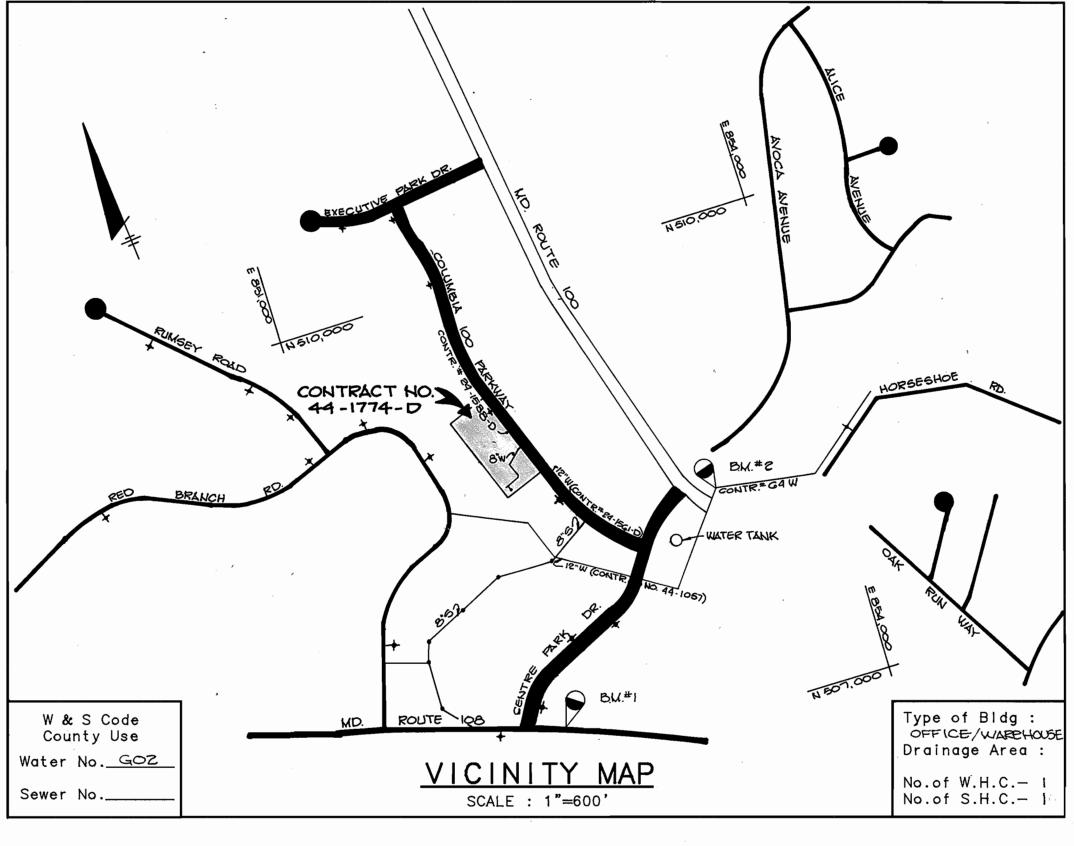
CHIEF, LAND DEVELOPMENT

CHIEF, BUREAU OK UTILITIES €

BENCH WARKS

Ho. Co. 274-5010-R Elev. 482.23 3/4' Rebor 0.4' below surface, 34.7' south of curb on Maryland Rte. 108 175'teast of & Phelps Luck Drive.

Elev. 525.51 Noil in stone @property corner columbia 100-Office Research



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".

C & P TELEPHONE CO.

- 6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTIONS. 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 H 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 VERIFIED BY THE CONTRACTOR TO HIS OWN PERSONAL SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENCE.
- 8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

STATE HIGHWAY ADMINISTRATION 531-5533 BALTIMORE GAS AND ELECTRIC CO. - CONTRACTOR SERVICES 850-4620 859-9004 BALTIMORE GAS AND ELECTRIC CO. — UNDERGROUND DAMAGE CONTROL BALTIMORE GAS AND ELECTRIC CO. - TROUBLE SHOOTING 298-9001 MISS UTILITY 1-559-0100 COLONIAL PIPELINE CO. 795-1390 BUREAU OF UTILITIES, HO.CO. DEPARTMENT OF PUBLIC WORKS 992-2366

- 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. THE 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
- 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 ELEVATION SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1003 OF THE STANDARD SPECIFICATIONS.
- 16. 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 ON THE PLANS
- OR IN THE SPECIFICATIONS. 18. SERVICE CLAMPS ARE TO HAVE STAINLESS STRAPS.

PLAN OF A WATER MAIN

COLUMBIA 100 BUSINESS CENTER COLUMBIA 100 - OFFICE RESEARCH PARK 6th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND CONTRACT NO. 44-1774-D

SCALE SHOWN SHEET _1_OF _2

1-800-257-7777

Quantities

370 L.F.

I EA.

4 EA.

IEA.

IEA.

Z EA.

LIQUIDS.

25 L.F.

359.0

4.0

17.0

2.0

DATE 600' SCALE MAP NO. 30

Estimated As Built | Material Supplier

26. ALL DIP FITTINGS SHALL BE IN ACCORDANCE WITH

FITTINGS 3" THROUGH 12" FOR WATER AND OTHER

A.W.W.A SPECIFICATION C-153 DUCTILE IRON COMPACT

Laffen Products Below Su

Suffer Products Below Sup

Leffer Products / Below Sugar

Bulan Supp

_ BLOCK NO. _

Muellu Co.

Hueller Co

ltem

8"W

8"x6"T

6" F.H.

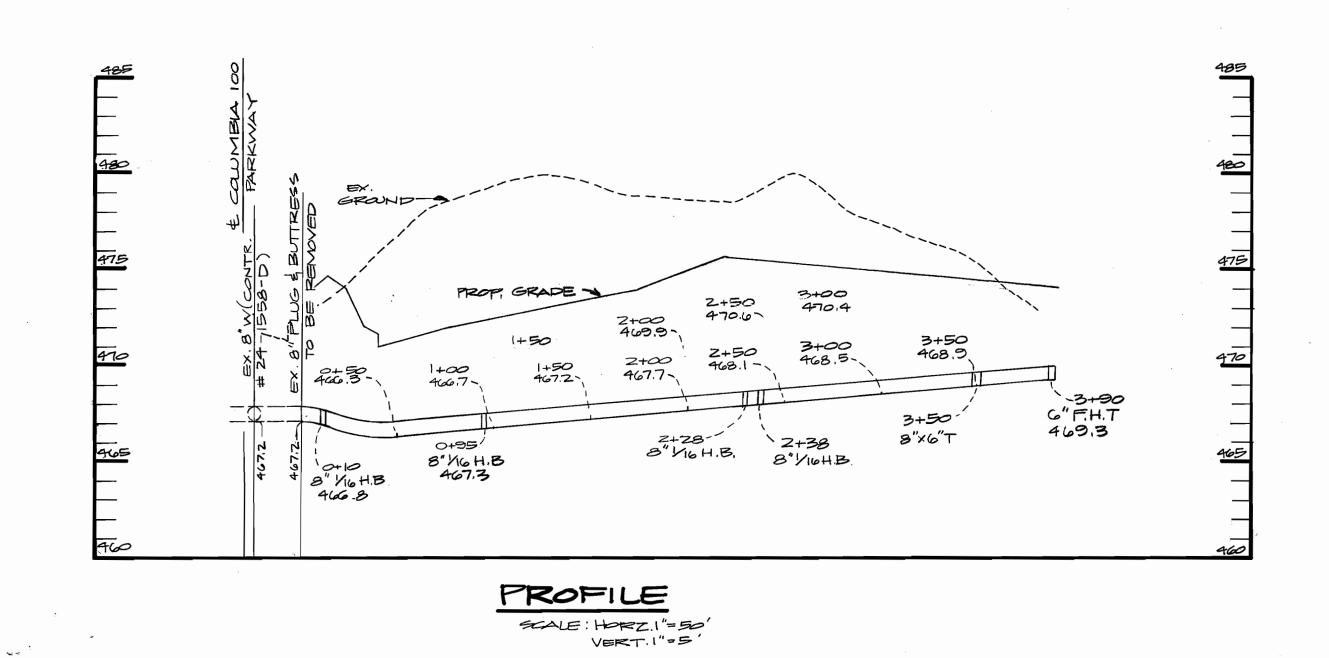
6"W

6"V

REVISION

8"xG" F.H.T

8"-1/8 H.B.



DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS

DATE

CHIEF, BUREAU OF UTILITIES

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CHIEF, LAND DEVELOPMENT

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THE RIEMER GROUP INC.
3105 NORTH RIDGE ROAD
ELLICOTT CITY, MARYLAND
(301) 461-2690

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	Man C. Musig
	ARTHUR E. MUEGGE #87
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TE:	BY	NO.	REVISION	DATE	600' SCALE MAP NO BLOCK NO

COLUMBIA 100 BUSINESS CENTER
COLUMBIA 100 — OFFICE RESEARCH PARK
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 44-1774-D

SHEET 2 OF 2

SCALE AS SHOWN