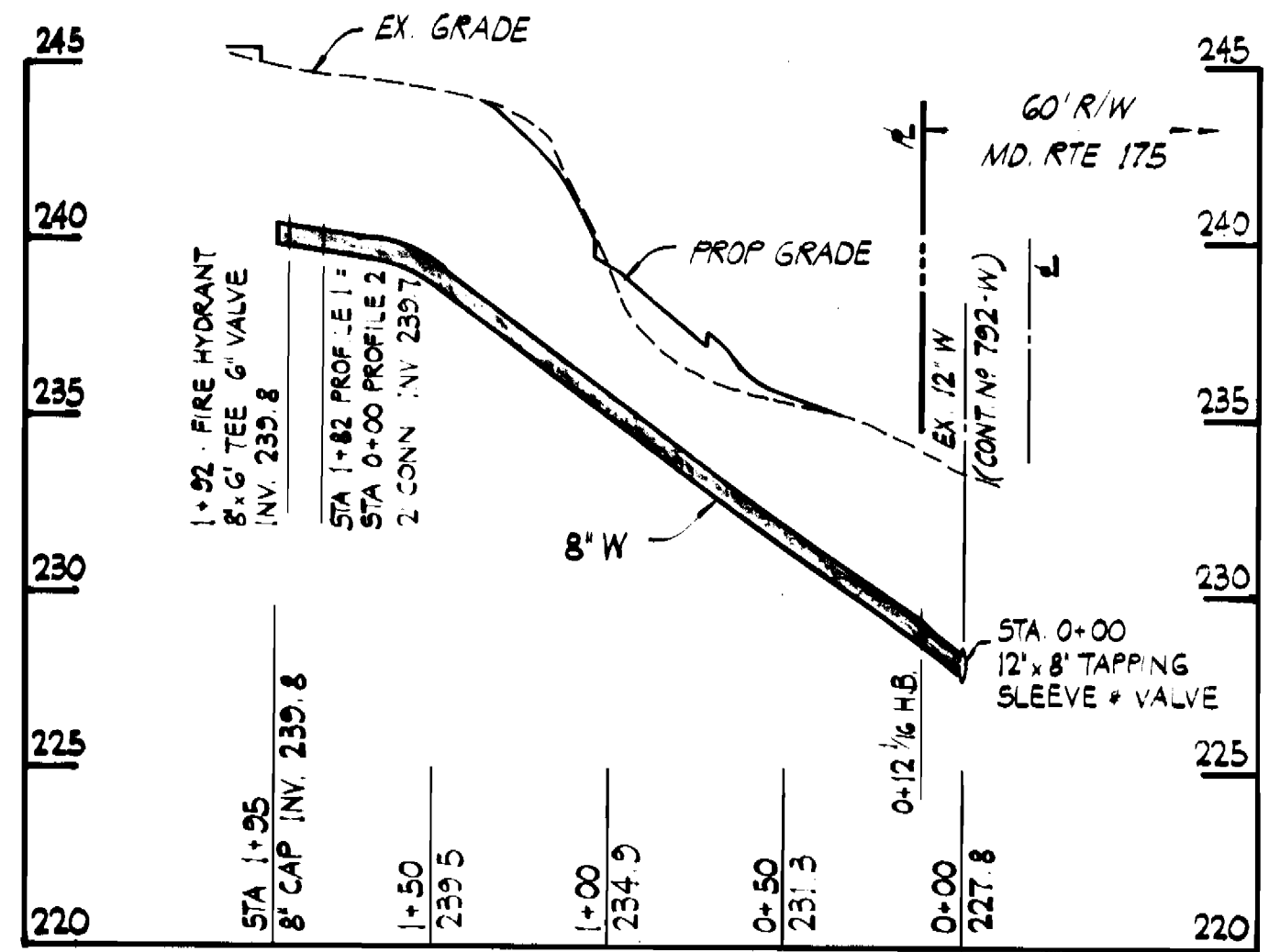
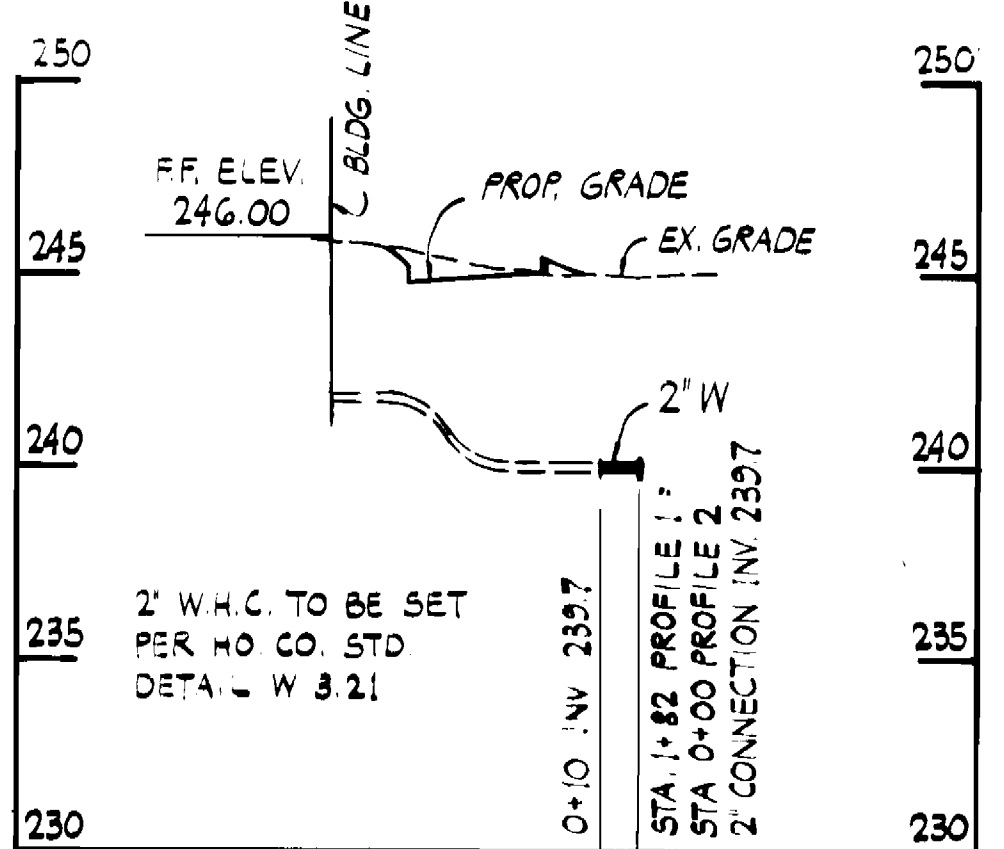


- ① STA 0+00 PROFILE 1: 12" 8' TAPPING SLEEVE & VALVE
- ② STA 0+12 PROFILE 1: 8" 1/2" H.B.
- ③ STA 1+82 PROFILE 1: STA 0+00 PROFILE 2: 2" CONNECTION
- ④ STA 1+92 PROFILE 1: 8" 6" TEE & VALVE
6" F.H. BURY ELEV. 244.7.5' OFF FACE CURB
- ⑤ STA 1+05 PROFILE 1: 8" CAP
- ⑥ STA 0+10 PROFILE 2

PLAN
1" = 50'

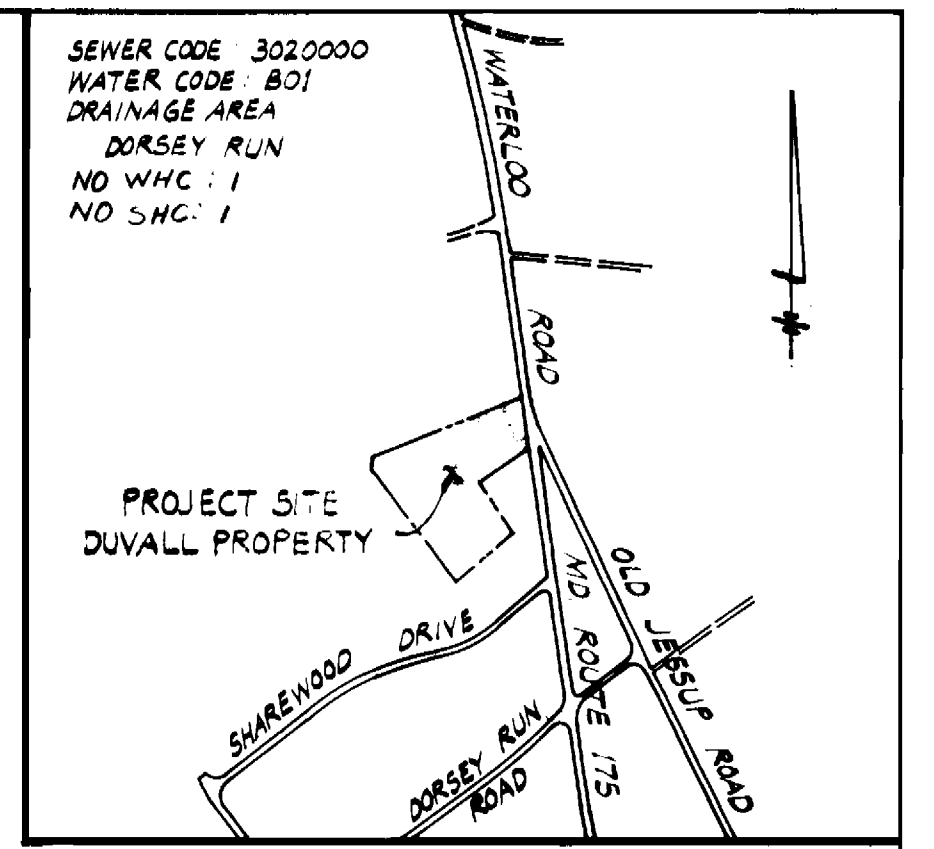


PROFILE 1
HORIZ. 1" = 50'
VERT. 1" = 5'



PROFILE 2
HORIZ. 1" = 50'
VERT. 1" = 5'

QUANTITIES			
ITEM	ESTIMATED	AS-BUILT	MATERIAL SUPPLIER
8" 12" TAPPING SLEEVE	1 EA.	1	CLOW/MUNICIPAL
8" VALVE	1 EA.	1	M&H
8" 1/2" BEND	1 EA.	1	GRIFFIN
8" 6" TEE	1 EA.	1	GRIFFIN
8" CAP	1 EA.	1	GRIFFIN
8" D.I.P. (WATER)	200 L.F.	187	GRIFFIN
6" F.H. (5' BURY)	1 EA.	1	M&H
6" VALVE	1 EA.	1	M&H
2" COPPER (WATER)	10 L.F.	10	K. COPPER
2" W.C.	1 EA.	1	FORD
6" S.W.C.	1 EA.	1	



VICINITY MAP
1" = 600'

GENERAL NOTES

1. APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTORS 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 CONTRACTORS EXPENSE.
2. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS, UNLESS OTHERWISE INDICATED.
3. THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE, ANY CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
4. ALL MATERIALS AND CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IX, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
5. CLEAR ALL UTILITIES BY A MINIMUM OF 6 INCHES, CLEAR ALL POLES BY 2'-0" MIN. OR TUNNEL, AS REQUIRED. ANY COSTS INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR PIPE INSTALLATION AS APPLICABLE.
6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IX, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IX 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 UTILITIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - a. STATE HIGHWAY ADMINISTRATION 531-5533
 - b. BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES 561-2585
 - c. BALTIMORE GAS & ELECTRIC CO. - UNDERGROUND DAMAGE CONTROL 234-5621
 - d. BALTIMORE GAS & ELECTRIC CO. - TROUBLE SHOOTING 298-9013
 - e. MISS UTILITY 1-800-257-7777
 - f. COLONIAL PIPELINE CO. 795-1320
 - g. BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 298-9013
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 DAMAGE 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. WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED.
12. TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-5" COVER UNLESS OTHERWISE NOTED.
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 STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANTS 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.
17. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTINGS.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
 Signature: *John M. Hester* DATE: 10-10-85
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT
 APPROVED: Signature: *Robert A. Zichew* DATE: 12/10/85
 HOWARD SOIL CONSERVATION SERVICE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE STANDARD SPECIFICATION AND SDP 86-19

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Signature: *James H. ...* DATE: 12-17-85
 DIRECTOR OF PUBLIC WORKS
 Signature: *...* DATE: 12-13-85
 CHIEF, BUREAU OF UTILITIES

HICKS ENGINEERING COMPANY, INC.
 CIVIL ENGINEERS
 232 COCKEYSVILLE ROAD
 SUITE B
 HUNT VALLEY, MD. 21030
 (301) 628-8066
 Signature: *...* DATE: 12-17-85
 CHIEF, LAND DEVELOPMENT DIVISION

DES. REC/DEH	
DRN. REC	
CHK: DEH	
DATE: OCT. 18 1985	

PLAN & PROFILE FOR PROPOSED 8-INCH WATER MAIN
 CONTRACT NO. 44-1430-D
 600' SCALE MAP NO. _____ BLOCK NO. _____

ROTO ROOTER SERVICES COMPANY
 MD. ROUTE 175 @ OLD JESSUP ROAD
 ELECTION DISTRICT NO. 6
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 1