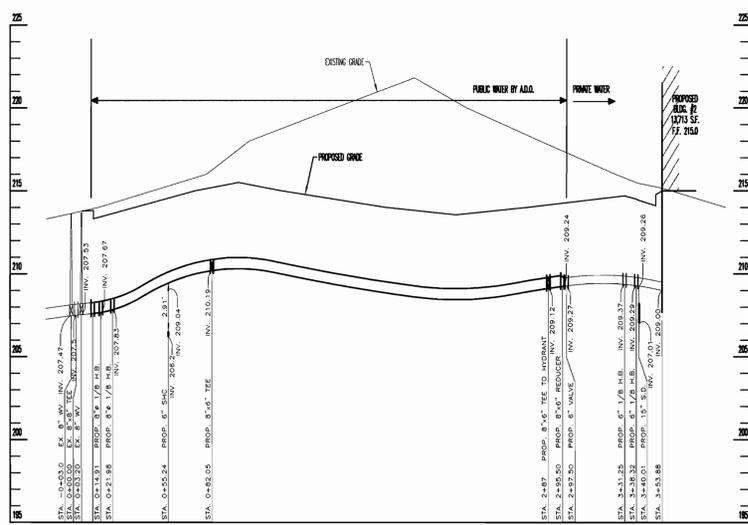
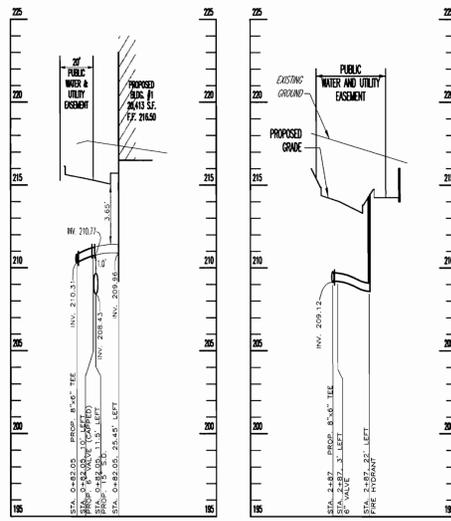


PUBLIC WATER PLAN C-W AND COMPANY, PARCEL A-2 OFFICE/WAREHOUSE HOWARD COUNTY, MARYLAND CONTRACT NO. 44-4023-D



PROPOSED 8" WATER LINE PROFILE

SCALE: HOR: 1"=50'
VERT: 1"=5'



PROPOSED 6" W.H.C. PROFILE

SCALE: HOR: 1"=50'
VERT: 1"=5'

PROPOSED 6" D.I.P. PROFILE

SCALE: HOR: 1"=50'
VERT: 1"=5'

QUANTITIES				
NAME OF UTILITY CONTRACTOR :				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE :				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
6" VALVE	3			
6" D.I.P.	32 LF			
8" D.I.P.	286 LF			
6" FIRE HYDRANT	1			
8" 45° H.B.	2			
8"x6" TEE	2			
8"x6" REDUCER	1			
8"x6" TAPPING SLEEVE AND VALVE	1			

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP-62-03

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

John R. Robertson 1/16/02
CONSERVATION DISTRICT DATE

Jim Meyer 1/16/02
SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND



FREDERICK WARD ASSOCIATES, INC.
7125 Riverwood Drive Columbia, Maryland 21046-2354
Phone: 410-290-9550 Fax: 410-720-6226
Bel Air, Maryland Columbia, Maryland Warrenton, Virginia



DES: KO					
DRN: KO					
CHK: MR					
DATE: JAN. 2002	BY: NO.	REVISION	DATE	600' SCALE MAP NO. 37	BLOCK NO. 1

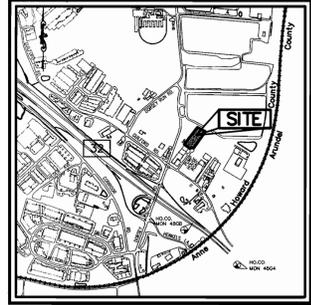
**PUBLIC WATER PLAN
AND PROFILES**

**C-W AND COMPANY, PARCEL A-2
OFFICE/WAREHOUSE
44-4023-D**

TAX MAP #48 GRID #14 PARCEL 68
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 1

- LEGEND**
- Existing Contour 382
 - Existing Trees to Remain
 - Proposed Water Prop. 6" W
- BENCHMARKS:**
- HOWARD COUNTY GEODETIC CONTROL STA. 48G4
N 531519.241 E 1371653.842
 - HOWARD COUNTY GEODETIC CONTROL STA. 48G6
N 532530.284 E 1370623.784
 - BENCHMARK NO. 26
CONCRETE MONUMENT FOUND
ELEV. 215.91
 - BENCHMARK NO. 23
3/4" REBAR WITH "P&J" CAP FOUND
ELEV. 211.57



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

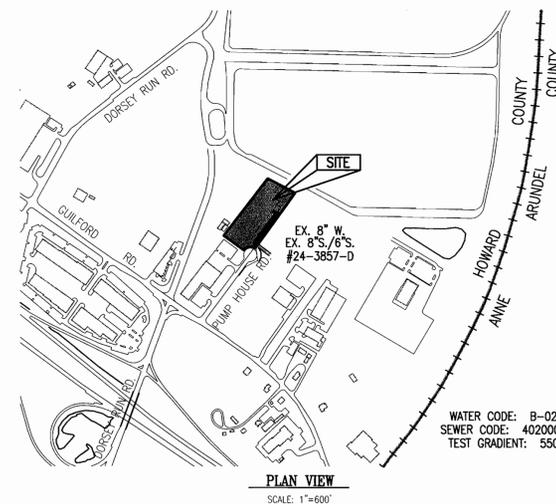
PART I

- 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 MARYLAND STATE COORDINATES.
- 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 DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE 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 DETAILS 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 DONE SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN THESE PLANS:
C. & P. TELEPHONE 597-8585
A.T.&T. 885-3803
STATE HIGHWAY ADMINISTRATION 531-5533
B.G.&E. CO. CONTRACTOR SERVICES 850-4620
B.G.&E. CO. UNDER GROUND DAMAGE CONTROL 787-9068
MISS UTILITY 1-800-257-7777
COLONIAL PIPELINE CO. 795-1390
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF UTILITIES 315-4900
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 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 THE CONSTRUCTION OF THE MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAIN OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DFW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.

PART II - WATER

- 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.
- 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 FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- 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.
- WATER CONNECTION WITHIN OLD MONTGOMERY ROAD TO BE OPEN CUT. CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW AT ALL TIMES.

Type of Building :	OFFICE/WAREHOUSE
No. of Lots/Parcels :	1
No. of single Water House Connections :	1
No. of twin Water House Connections :	0
No. of Sewer House Connections :	0
Drainage Area :	LITTLE TOWN
Treatment Plant :	LITTLE TOWN WATER QUALITY MANAGEMENT CENTER SERVICES MD



PLAN VIEW

SCALE: 1"=50'

PLAN VIEW

SCALE: 1"=600'

WATER CODE: B-02
SEWER CODE: 4020000
TEST GRADIENT: 550