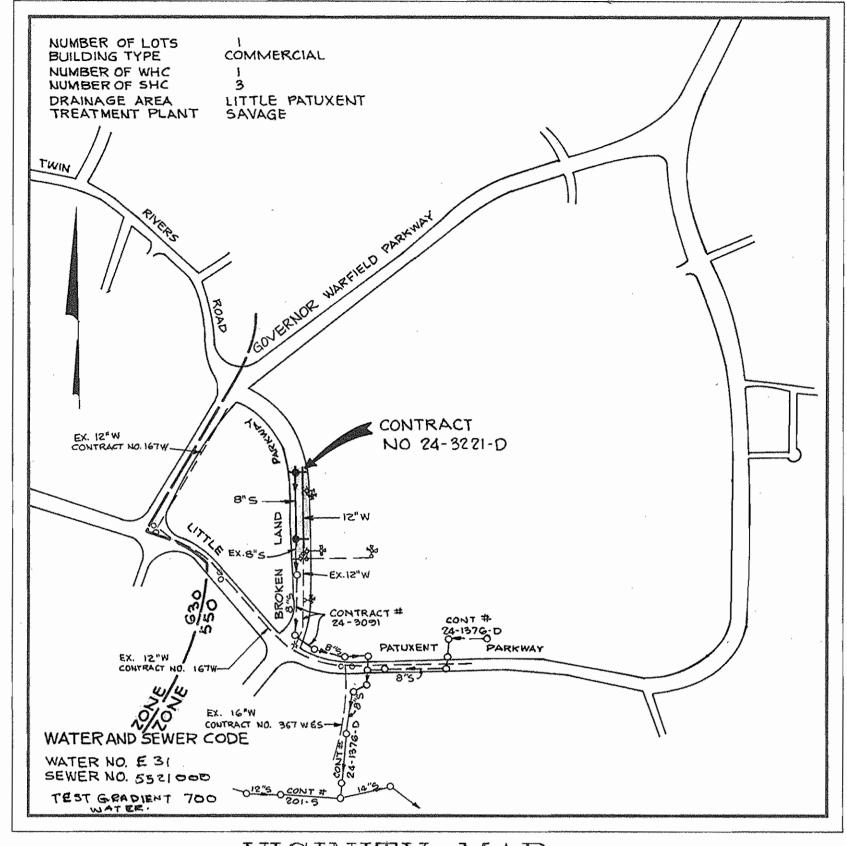
QUANTITIES					
ITEM	QUANTITIES ESTIMATED	AS-BUILT			
1 1 1711/1		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER	
12" WATER	515 LF	511'	DIP CLASS SZ	ATLANTIC STATES WATER PRO	
12" SOLID SLEEVE	1 EA	l	DIS .	ATLANTIC STATES/ CAST IRON /WATER PRO	
8" WATER	33 LF	33	DIP CLASSISSIS	ATLANTIC STATES/WATER PRO	
6" WATER	5 正	5	DIP CLASS SIZ	CAST IRON WATER PRO	
G" VALVE (EXCL. FH. VALVE)	0 ,	. 0	,		
8" VALVE	1 EA		MODEL A2370-20	MULLER CO. / WATER PRO	
FIRE HYDRANT	1 EA	4	MODEL A#423	MULLER CO./ WATER PRO	
8" SEWER	¢80 LF	675	PVC 50R 35	CORP. WATER PRO	
4' DIA. MANHOLE	To Edu.	Z	PRESCAST	ATLANTIC CORP.	
18" STEEL CASING PIPE 5% THICK.	IGO LF	160'	Secretary Control Control	SEVERN STEEL & EQUIPMENT, INC.	

SURVEY AND DRAFTING DIVISION AS-BUILT DATE



VICINITY MAP

SCALE: 1" = 600'

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.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ____ ELEVATIONS.
- 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
- 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

STATE HIGHWAY ADMINISTRATION	531-5533
BG&E CO. CONTRACTOR SERVICES	850-4620
BG&E CO. UNDER GROUND DAMAGE CONTROL	787-9068
MISS UTILITY. 1-	
COLONIAL PIPELINE COMPANY.	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
BUREAU OF UTILITIES	313-4900

- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED 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. 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 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
- 15. 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 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 SYSTEM.
- 17. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.
- 19. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- 21. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT MANHOLE 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.

BM # 13 ELEV. 343.930 CUT IN CONCRETE HEADWALL WEST OF B.L.P. STA. 151+70

BM # 1 ELEV. 375.295 PK NAIL SET IN PAVEMENT AT B.L.P. CENTERLINE STA. 168+00

UTILITY CONTRACTOR:

BM # 2
REBAR ABD CAP AT B.L.P. CENTERLINE STA. 171+43.22 CORNER OF PROPERTY 33' WEST OF BG&E POLE # 170217

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER ROAD CONSTRUCTION PLANS # F-93-03

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

EROSION AND SEDIMENT CONTROL BY

DEPARTMENT OF PUBLIC WORKS

PHOENIX ENGINEERING, INC. 817 MAIDEN CHOICE LANE, SUITE 300

DRN: A.J.R. DATE: 7/92

PLAN OF WATER AND SEWER MAINS COLUMBIA

ELECTION DISTRICT 5 CONTRACT NO. 24-3221-D SCALE: AS SHOWN

DRAWING NO. L OF

CONTRACT NO. 24-3221-D BROKEN LAND PARKWAY HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

