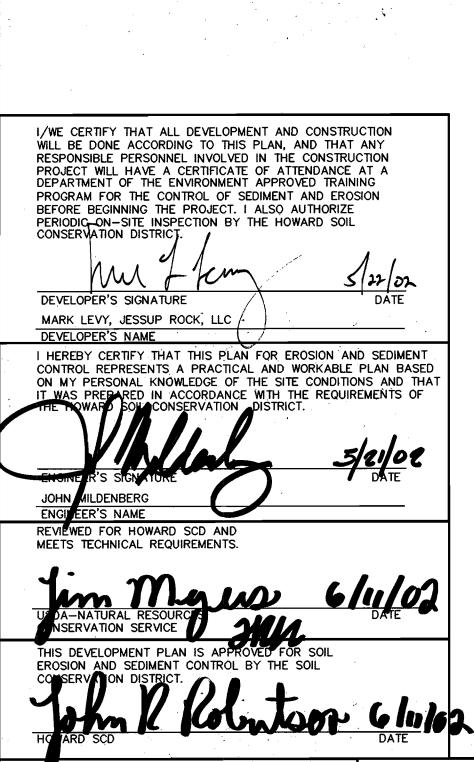
QUANTITY TABLE

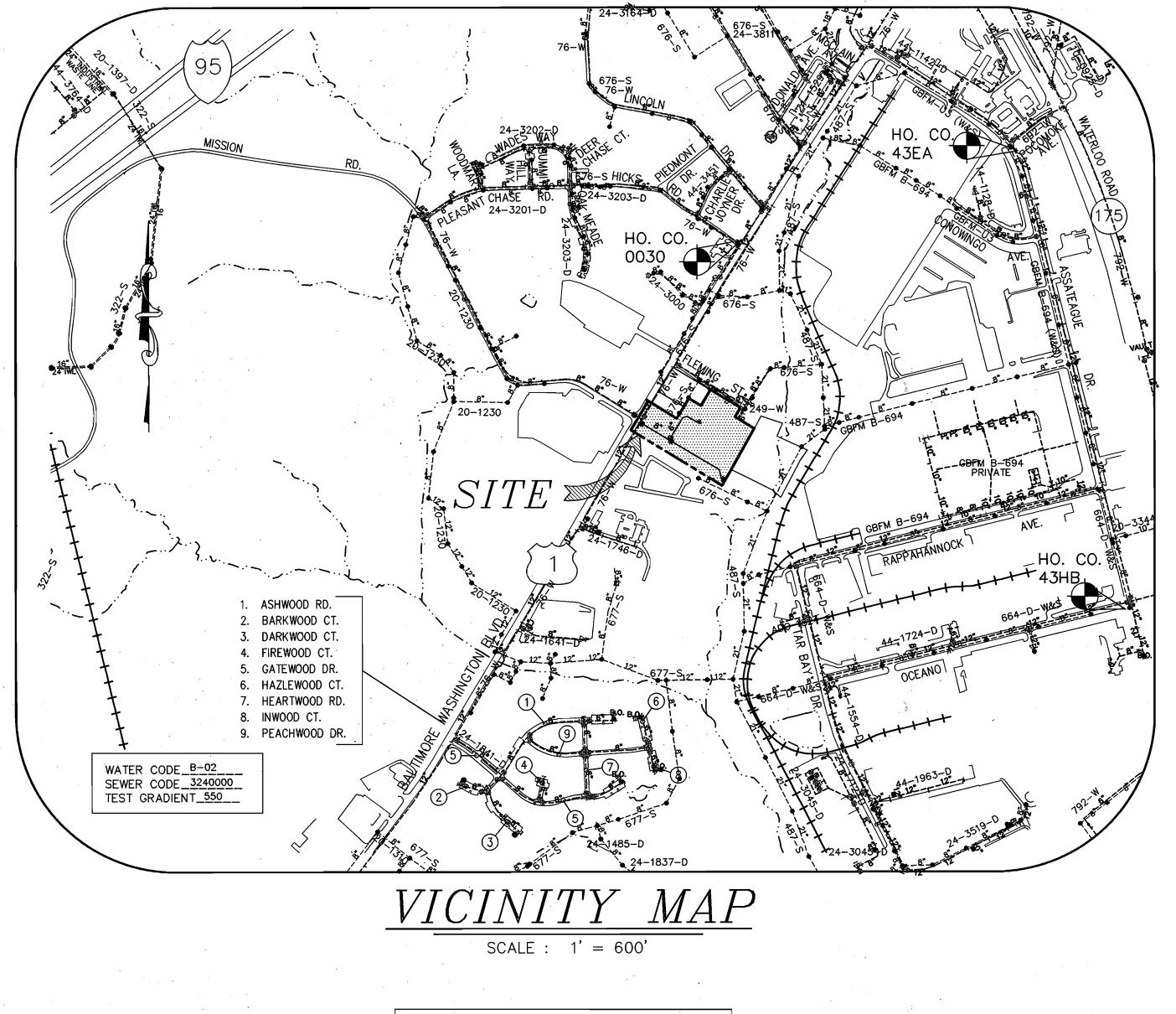
ITEMS	QUANTITIES						
IIEMO	ESTIMATED QUANTITIES TYPE MANUFACTURER/ 1129 LF		MANUFACTURER/SUPPLIER				
8" WATER							
6" WATER	31 LF						
6" WHC	123 LF						
12" X 8" TS&V	1			14.			
8" X 8" T	1						
8" X 6" T	5						
8" CAP & BUTTRESS	2						
1/8 HB	4						
8" V	3						
6" V	5						
FH A	3	å					
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INDEX OF DRAWINGS

SURVEY AND DRAFTING DIVISION AS-BUILT DATE

NO.	DESCRIPTION	•
1	TITLE SHEET	
2	WATER PLAN	
3	WATER PROFILES	





TYPE OF BUILDING HYBRID INDUSTRIAL/OFFICE No. OF UNITS__2_ No. OF WATER HOUSE CONNECTION____2 No. OF TWIN WATER HOUSE CONNECTION_N/A_ No. OF SEWER HOUSE CONNECTIONS 2 DRAINAGE AREA LITTLE PATUXENT TREATMENT PLANT LITTLE PATUXENT WATER RECLAMATION PLANT

CONTRACT NO.: 24-4051-D ROUTE ONE BUSINESS PARK & SEWER CONSTRUCTION PLANS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

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
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA. 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 THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR 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.
- 6. 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 A COPY OF
- 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 WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION (410) 850-4620 BG & E CO. CONTRACTOR SERVICES BG & E CO. UNDERGROUND DAMAGE CONTROL (410) 787-9068 MISS UTILITY 1-800-257-7777 COLONIAL PIPELINE CO. (410) 795–1390 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 - BUREAU OF UTILITIES TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED OUTSIDE THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED
- 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
- 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 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 P.V.C. OR D.I.P. UNLESS OTHERWISE NOTED.
- 19. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR
- 20. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- 21. FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY. 23. MANHOLES DESIGNATED W.T. IN PLÂN 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.
- 25. ALL WATER METERS TO BE LOCATED INSIDE PROPOSED UNITS.
- 26. STATIONING SHOWN IS WATER MAIN AND CENTER LINE STATIONING.
- 27. ALL CLEANOUTS AND BALL VALVES ARE TO BE LOCATED AT THE WATER, SEWER AND UTILITY EASEMENT LINE.
- 28. CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PROIR TO COMMENCING CONSTRUCTION. 29. ON-SITE SEDIMENT CONTROL TO BE PROVIDED UNDER SDP-02-06.
- 30. ALL WATER HOUSE CONNECTIONS TO BE 1" IN SIZE UNLESS OTHERWISE NOTED.
- 31. ALL WATER MAINS TO BE 8", 6", OR 4" DIP CLASS 52. 32. STORM DRAIN SYSTEM INDICATED FOR INFORMATIONAL PURPOSES ONLY, SEE SITE DEVELOPMENT PLANS FOR
- CONSTRUCTION DATA. 33. COMPACTION IN FILL AREAS TO BE 95% AS DETERMINED PER AASHTO T-180.
- 34. IF MATERIAL IS WITHIN 8% OF OPTIMUM MOISTURE, WORKING THE MATERIAL UNTIL REQUIRED COMPACTION IS ACHIEVED IS CONTRACTOR'S RESPONSIBILITY.
- 35. THE CONSTRUCTION IS TO BE LIMITED TO THAT WHICH CAN BE BACKFILLED AND STABILIZED IN ANY ONE

<u>OWNER</u> JESSUP ROCK, LLC 25 MAIN STREET REISTERSTOWN, MARYLAND 21136 (410) 526-4030

ROUTE ONE BUSINESS PARK WATER & SEWER MAIN EXTENSION HOWARD COUNTY, MARYLAND CONTRACT No. 24-4051-D

PARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING

DPZ FILE NOS. SDP-02-06

HOWARD COUNTY, MARYLAND

MILDENBERG, BOENDER & ASSOC., INC.

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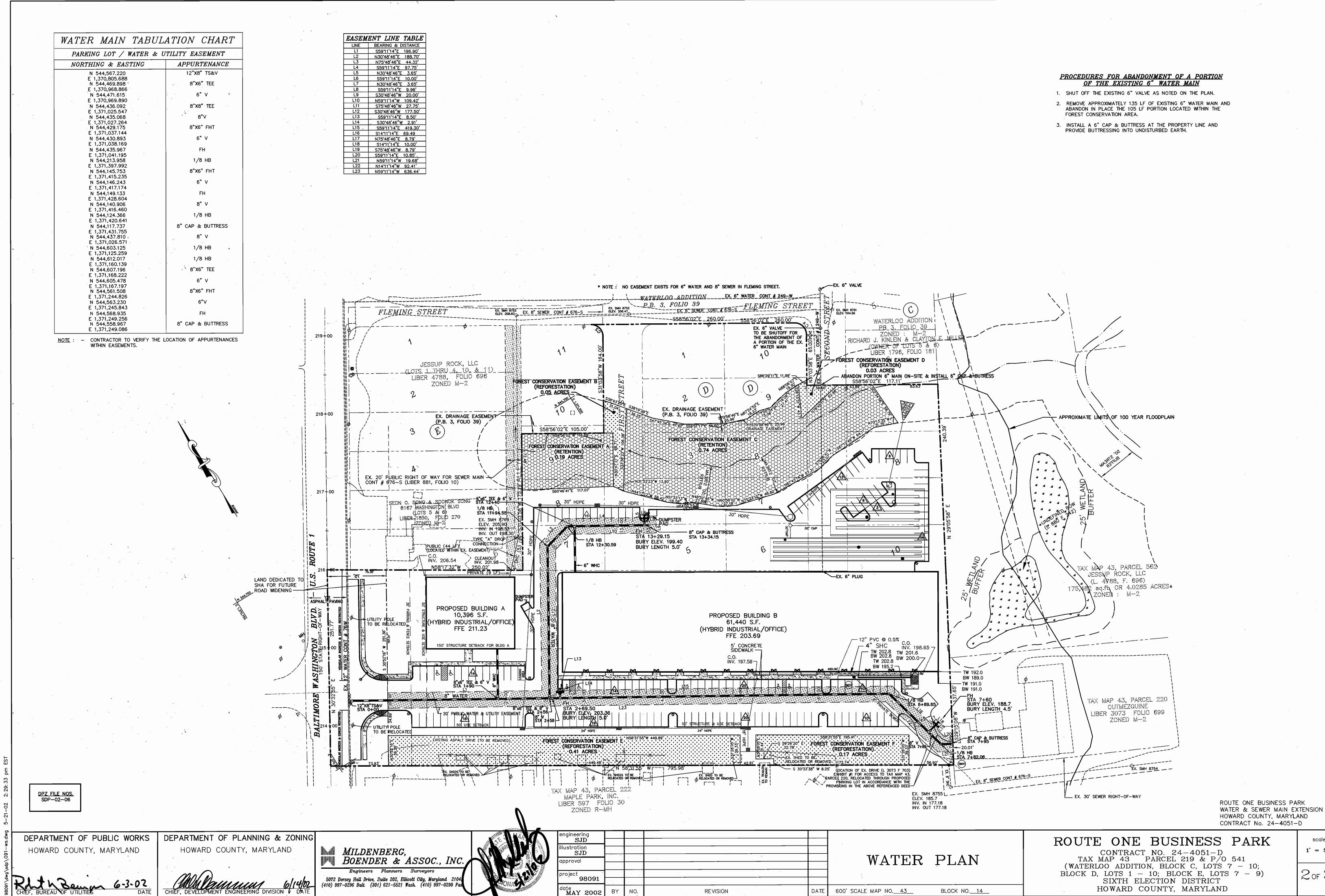
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date MAY 2002	BY	NO.	REVISION	DATE	600' SCALE MAP NO. 43 BLOCK NO. 14

ROUTE ONE BUSINESS PARK

CONTRACT NO. 24-4051-D TAX MAP 43 PARCEL 219 & P/O 541 (WATERLOO ADDITION, BLOCK C, LOTS 7 - 10; BLOCK D, LOTS 1 - 10; BLOCK E, LOTS 7 - 9) SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

1 or 3

AS SHOWN



600' SCALE MAP NO. 43

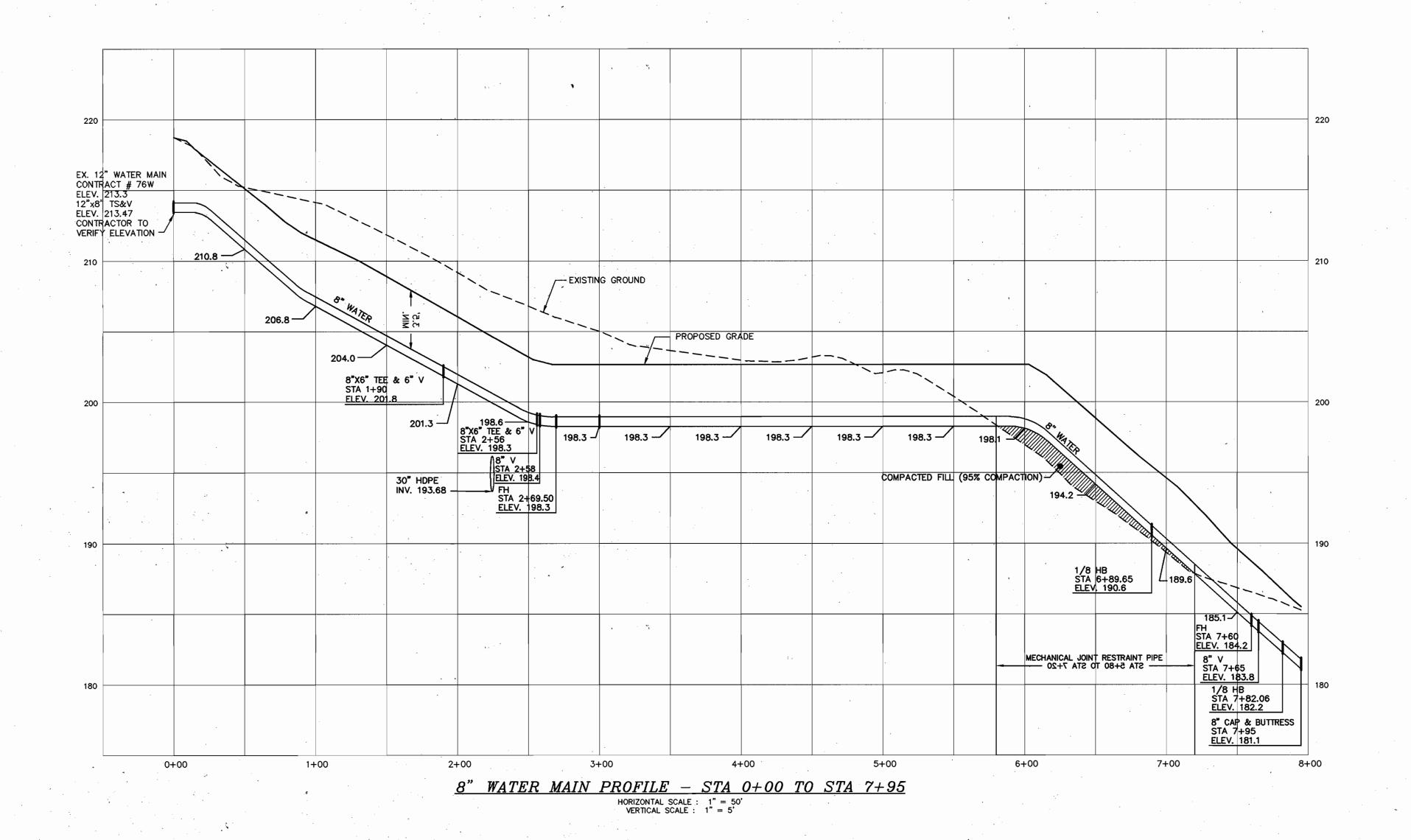
BLOCK NO. 14

REVISION

2 of 3

scale

1' = 50'



- EXISTING GROUND - PROPOSED GRADE 8" WATER 8' WATER MAIN STA 2+56 ELEV. 198.4 8" V STA 10+02 ELEV 198.4 197.3 — 1/8 HB STA 11+94.55 ELEV. 195.2 194.3 194.3 FH STA 13+29.15 ELEV. 194.3 194.9 1/8 HB STA 12+30.59 ELEV. 194.6 8" CAP & BUTTRESS STA 13+34.15 ELEV. 194.3 8"X6" TEE & 6" \ STA 12+40 ELEV. 194.5

8" WATER MAIN PROFILE - STA 10+00 TO STA 13+34.15

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

DPZ_FILE_NOS. SDP-02-06

ROUTE ONE BUSINESS PARK WATER & SEWER MAIN EXTENSION HOWARD COUNTY, MARYLAND CONTRACT No. 24-4051-D

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING MILDENBERG, BOENDER & ASSOC., INC.



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date MAY 2002	BY	NO.	REVISION	DATE	600' SCALE MAP NO. 43 BLOCK NO.	14

ROUTE ONE BUSINESS PARK

CONTRACT NO. 24-4051-D
TAX MAP 43 PARCEL 219 & P/O 541
(WATERLOO ADDITION, BLOCK C, LOTS 7 - 10;
BLOCK D, LOTS 1 - 10; BLOCK E, LOTS 7 - 9)
SIXTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

3 of 3

AS SHOWN