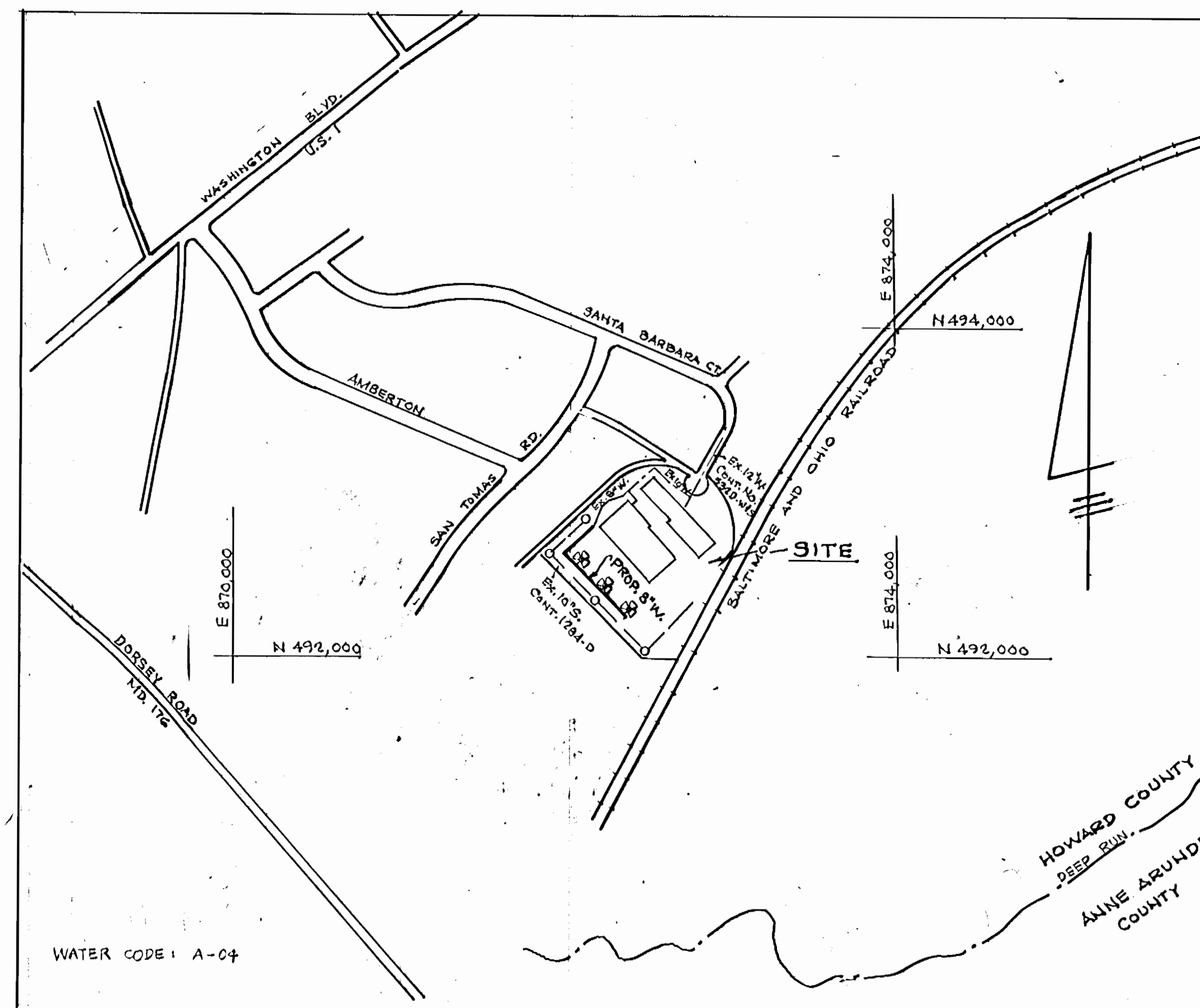


TYPE OF BUILDING	INDUSTRIAL BUILDING
NUMBER OF LOTS	1
NUMBER OF SHC'S	-
NUMBER OF WHC'S	-
DRAINAGE AREA	PATAPSCO



**GENERAL NOTES**

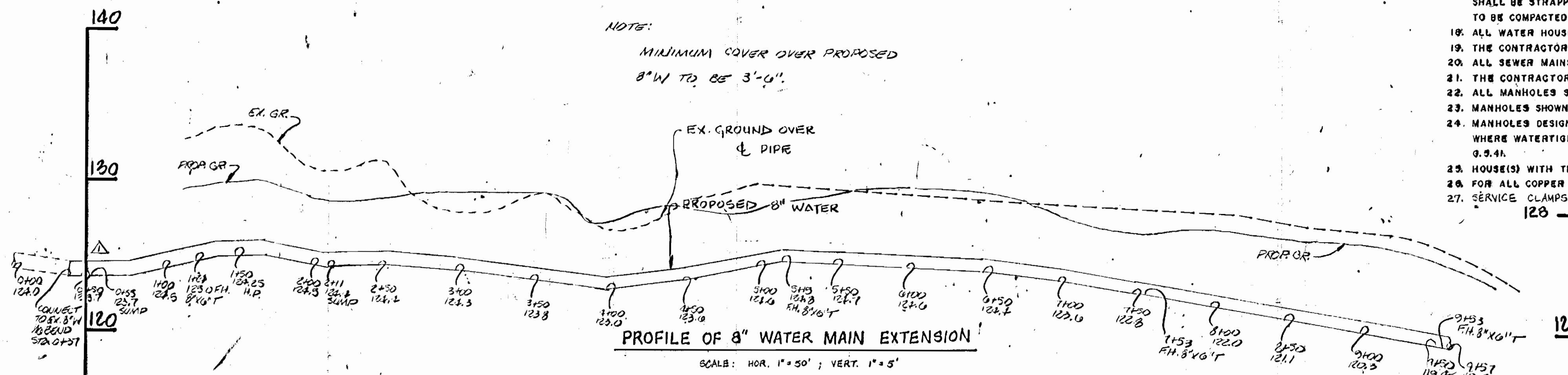
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MIN. OF 6" CLEAR ALL POLES BY 2'-0" MIN. OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIN.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HO. CO. STANDARD DETAILS.
- FOR MATERIALS AND CONSTRUCTION METHODS USE HO. CO. STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MIN. OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES OR UTILITIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
  - STATE HIGHWAY ADMINISTRATION - 531-5533
  - BALTO. GAS & ELECTRIC CO. - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - 685-0123
  - BALTO. GAS & ELECTRIC CO. - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE - 685-0123
  - ENGINEERING - "DAMAGE CONTROL" - 234-5621
  - "MISS UTILITY" - 1-559-0100
  - CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY - 725-9976
  - AMERICAN TELEPHONE & TELEGRAPH - CABLE LOCATION DIVISION - 393-3553
  - COLONIAL PIPELINE COMPANY - 795-1390
  - BUREAU OF UTILITIES HOWARD COUNTY - 992-2568
- TREES ARE TO BE PROTECTED FROM DAMAGE TO MAX. EXTENT. TREES LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION AS DIRECTED BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
- ALL WATER MAINS TO BE CLASS 52 D.I.P. UNLESS OTHERWISE NOTED.
- TOP OF ALL WATER MAINS TO HAVE A MIN. OF 3-1/2" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- BLOCK ALL FITTINGS WITH CONCRETE.
- BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE 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 TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 10.03 AND 10.08 OF THE STANDARD SPECIFICATIONS.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
- ALL SEWER MAINS SHALL BE C.S.P., R.C.S.P., V.C.R.X., A.C.R. CLASS 2400 OR PVC UNLESS OTHERWISE NOTED.
- 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.
- MANHOLES SHOWN WITH 12" AND 18" WALLS ARE BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 9.5.52 WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE, STANDARD DETAIL 9.5.41.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.
- FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARED TYPE FITTINGS ONLY.
- SERVICE CLAMPS ARE TO HAVE STAINLESS STEEL STRAPS.

**VICINITY MAP**

1" = 600'

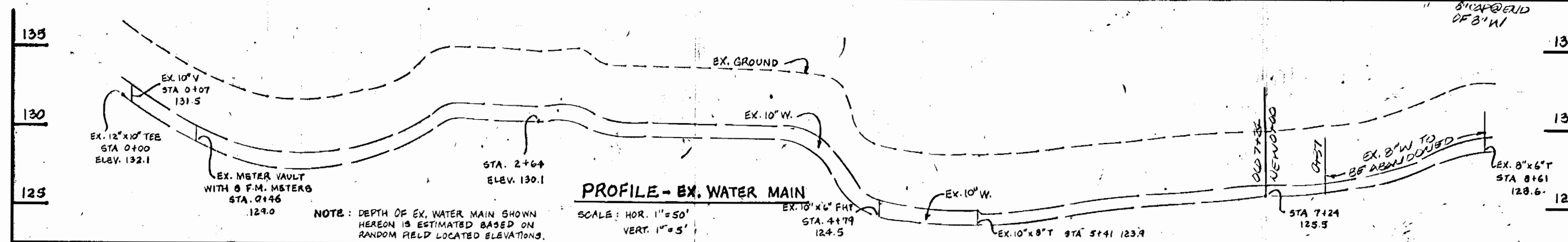
NOTE:

MINIMUM COVER OVER PROPOSED 8" W. TO BE 3'-0".



**PROFILE OF 8" WATER MAIN EXTENSION**

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



**PROFILE - EX. WATER MAIN**

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

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE NO. 15 OF THE SPECIFICATIONS AND WITH SDP 86-12G  
SEDIMENT & EROSION CONTROL

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE  
DATE: 7-21-86

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

APPROVED:  
DATE: 7/21/86

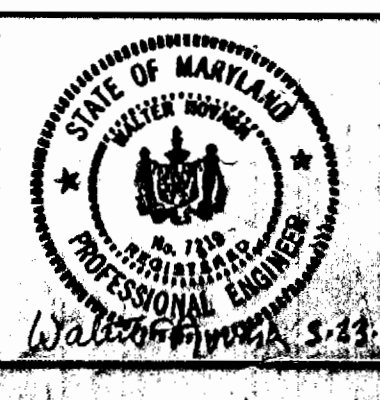
QUANTITIES			
ITEM	ESTIM'D	AS-BUILT	MATERIAL/SUPPLIER
8" W. EX.	920 L.F.	920 L.F.	GRIFFIN PIPE BELAIR RD. SUPPLY CO.
6" W. EX.	20 L.F.	20 L.F.	" " " " " "
10" W. EX.	547 L.F.	547 L.F.	" " " " " "
4" DOM. METER	1	1	" " " " " "
6" DET. CHECK	1	1	ON ORDER FROM HOWARD CO.
F.H.	5	5	U.S. PIPE & FOUNDRY BELAIR RD. SUPPLY CO.
10" V. EX.	2	2	" " " " " "
10" V. EX.	1	1	U.S. PIPE & FOUNDRY BELAIR RD. SUPPLY CO.
2" V. EX.	1	1	" " " " " "

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

7-21-86  
DATE

7-22-86  
DATE

BOENDER ASSOCIATES, INC.  
ENGINEERS, PLANNERS, SURVEYORS  
13660 BELMONT MILLS DRIVE  
BELLGOTT STATION, MARYLAND 21043  
410-7777

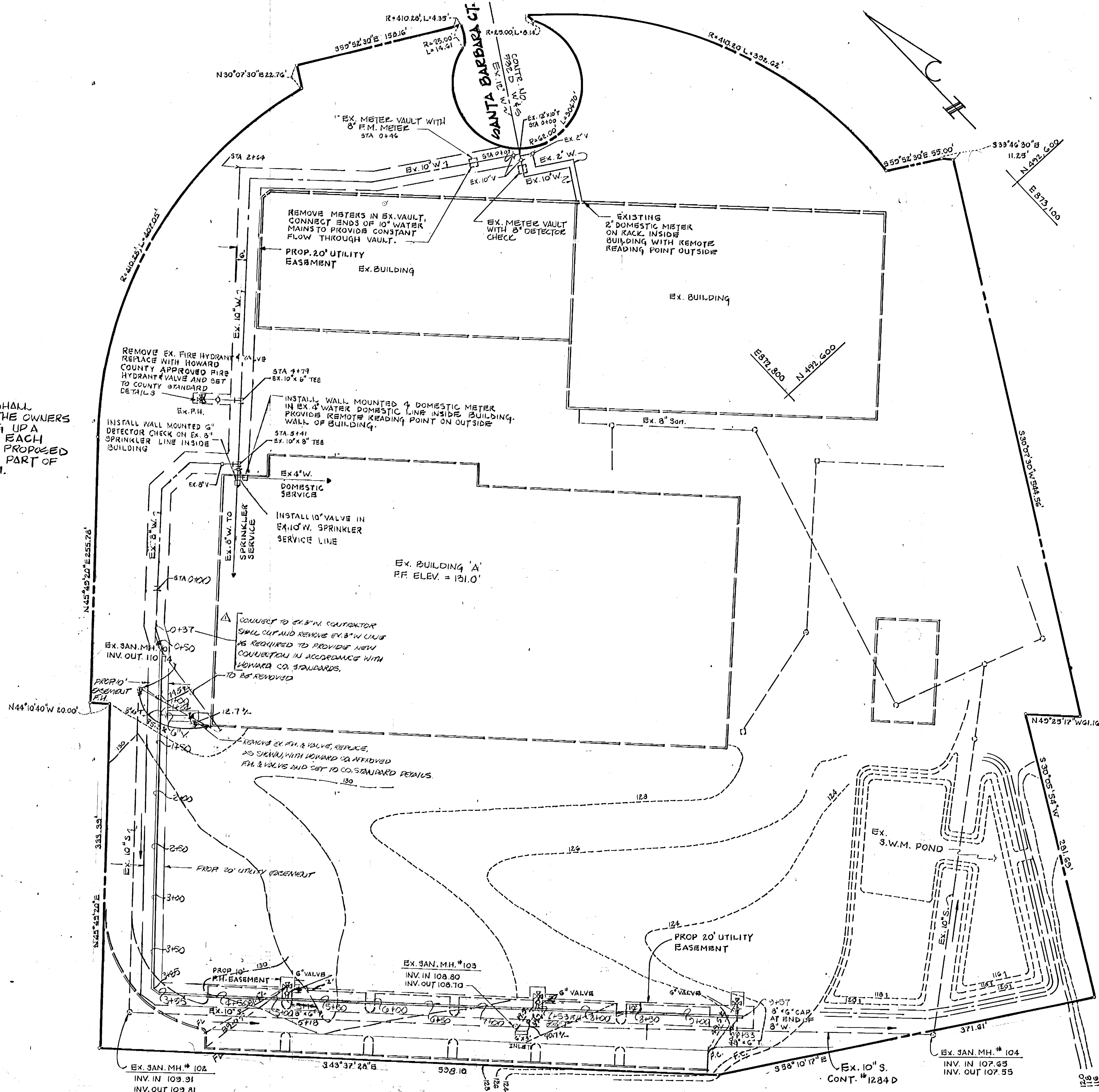


DES:	
DRN: J.E.F.	
CHK:	
DATE: 7-22-86	

**TITLE SHEET**

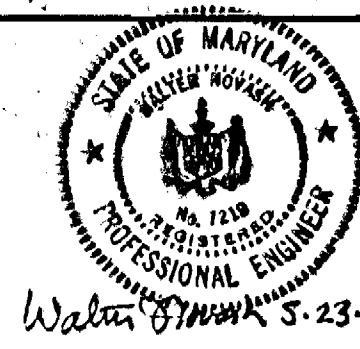
ROUTE 100 BUSINESS PARK, BLK. F, PARC. B-1  
1ST ELECTION DISTRICT  
CONTRACT NO. 44-1814-D  
AS-BUILT: 8-18-87 DATE  
SCALE: AS SHOWN  
SHEET 1 OF 2

**NOTE:**  
 AN EASEMENT AGREEMENT SHALL BE CONSUMMATED BETWEEN THE OWNERS AND HOWARD COUNTY SETTING UP A BLANKET EASEMENT 10 FT. EACH SIDE OF THE EXISTING AND PROPOSED WATER MAINS TO BE MADE PART OF THE COUNTY'S SYSTEM.



DEPARTMENT OF PUBLIC WORKS

BOENDER ASSOCIATES, INC.  
 ENGINEERS · PLANNERS · SURVEYORS  
 3565 ELLICOTT MILLS DR.  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 465-7777



DESIGNER				
DRAWN				
CHECKED				
DATE	5-1-81			
BY	NO.	REVISION		DATE
WCB		WATER MAIN ALIGNMENT AND REDUCE FIRE MAIN CHANGING 8" TO 10" MAIN PRESSURE		5-1-81

PLAN AND PROFILES

ROUTE 100 BUSINESS PARK, BLK. F, PARC. B-1  
 1ST ELECTION DISTRICT  
 CONTRACT NO. 44-1514-D

SCALE  
 AS SHOWN  
 SHEET  
 2 OF 2

AS-BUILT