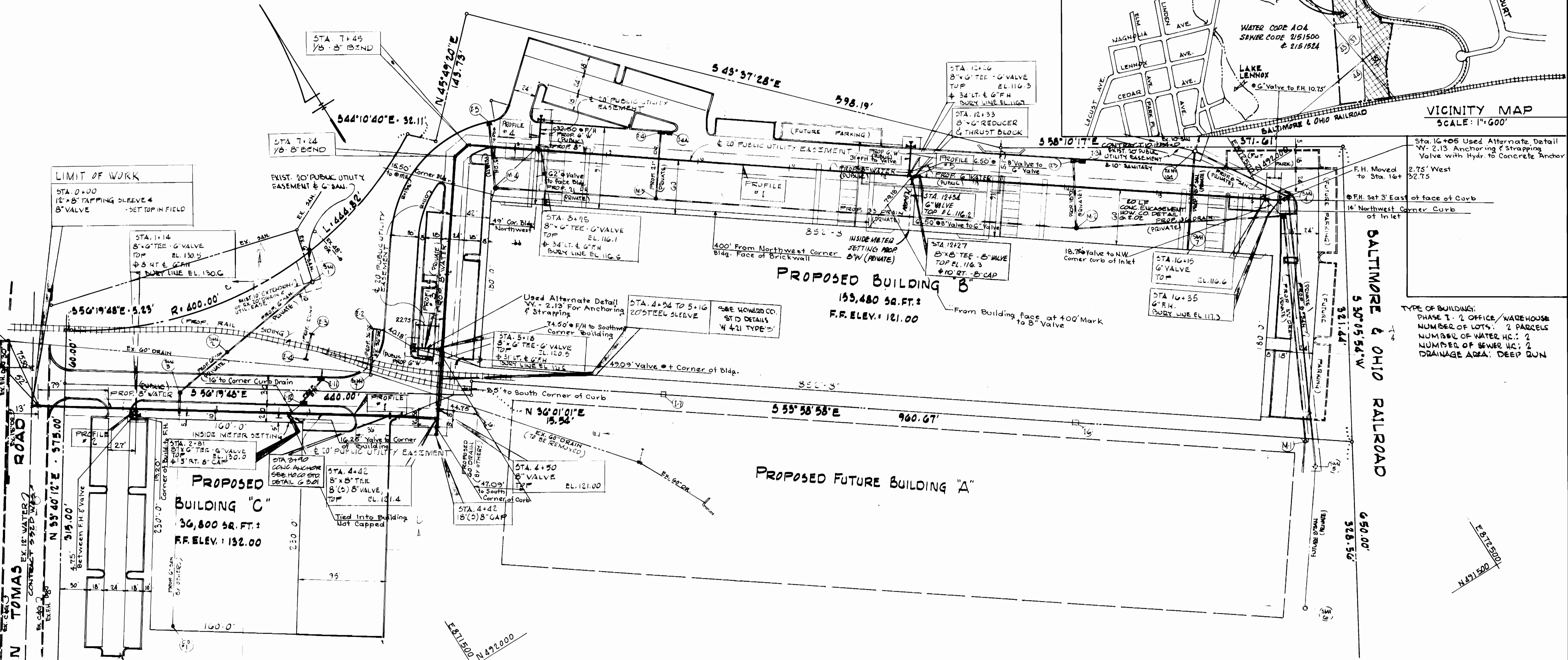
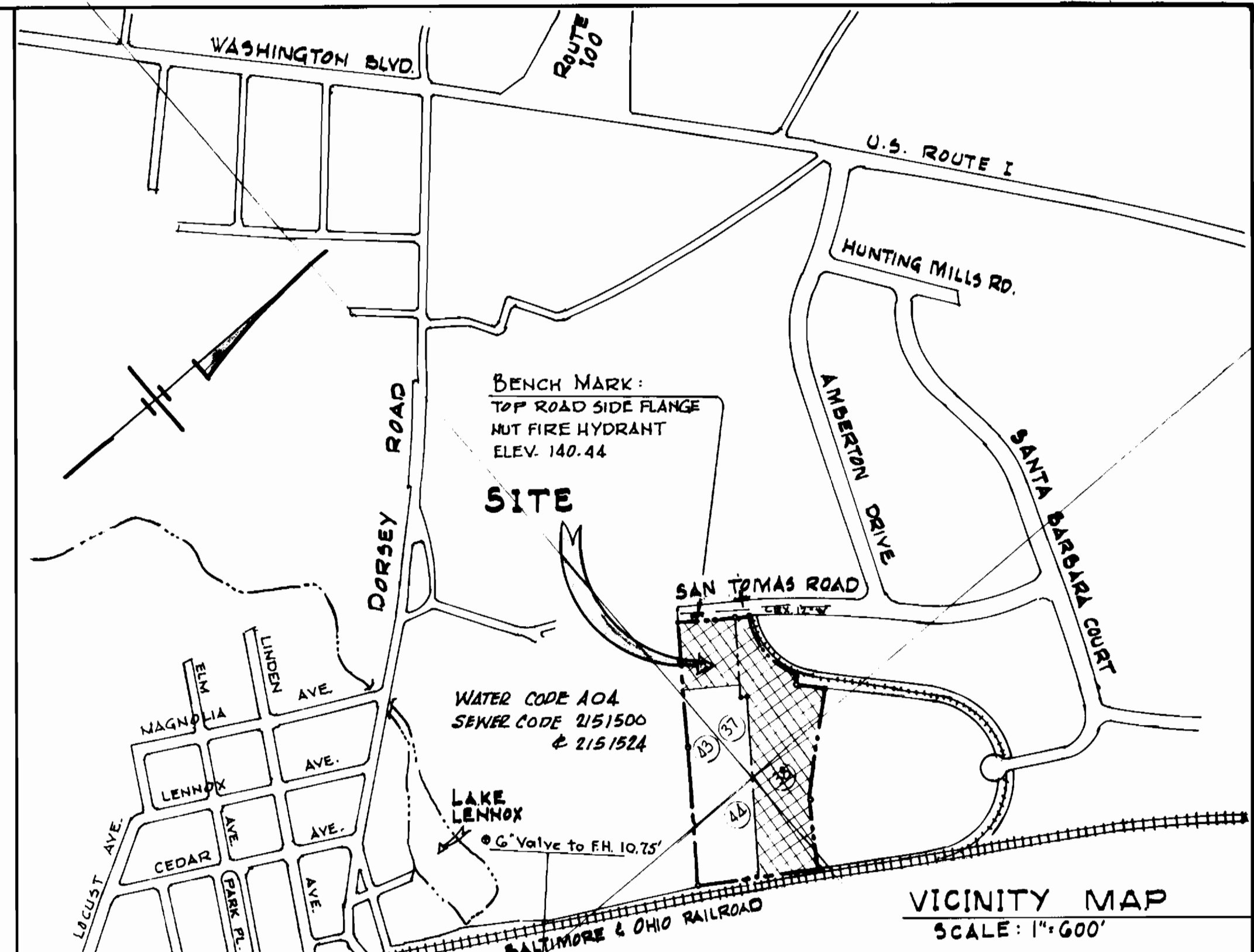


- GENERAL NOTES**
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
 - ALL HORIZONTAL CONTROL POINTS ARE BASED ON MARYLAND STATE COORDINATES.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
 - CLEAR ALL UTILITIES BY A MINIMUM 1' CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN THE UNIT PRICE PAID FOR CONSTRUCTION OF THE MAIN.
 - FOR DETAILS NOT SHOWN ON THE DRAWINGS AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL VOLUME II, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME II ON THE JOB.
 - 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.
 - CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK ON THESE PLANS: STATE HIGHWAY ADMINISTRATION; BALTIMORE GAS & ELECTRIC COMPANY; CO-COUNT SERVICES; BALTIMORE GAS & ELECTRIC COMPANY; UNDERGROUND DAMAGE CONTROL; BALTIMORE GAS & ELECTRIC COMPANY; TROUBLE SHOOTING; MISS UTILITY; H&R; COLONIAL PIPELINE CO.; 195-1390; BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS; 492-3366.
 - POLES AND STRUTS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS 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. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE PAID FOR CONSTRUCTION OF THE MAIN.
 - ALL WATER MAINS TO BE D.I.P. UNLESS NOTED. CLASS B1.
 - TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 36" COVER.
 - VALVE ADJACENT TO TREES SHALL BE STRAPPED TO TREES.
 - ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED ON THE DRAWING.
 - FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS TO BE SET 3' (THREE) BEHIND POORFACE OF CURB UNLESS NOTED OTHERWISE. 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 100'S OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEMS.
 - ALL WATER HOUSE CONNECTIONS, INSIDE METER SETTINGS, UNLESS OTHERWISE SHOWN AS SHOWN ON ARTICLE 10 SPECIAL PROVISIONS.
 - ALL WATER HOUSE CONNECTIONS SHALL COMPLY WITH HOWARD COUNTY STANDARD 3.21.
 - MINIMUM COMP RADII SHALL BE AS SPECIFIED BY PIPE MANUFACTURER.
 - PLACE REGULATION MEN WORKING AND WARNING SIGNS AS REQUIRED TO COMPLY WITH THE MARYLAND STATE HIGHWAY ADMINISTRATION'S MANUAL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
 - ALL SEWER MAINS SHALL BE C.S.P., R.C.S.P., V.C.P.X., A.C.P. CLASS 1400 OR PVC UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL PROVIDE A JOINT IN A SEWER MAIN WITHIN 7'-0" OF EXTERIOR MANHOLE WALL.
 - ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
 - MANHOLES SHOWN WITH 12" x 12" WALLS ARE BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED WITH THE PLAN AND PROFILE SHALL HAVE WATER TIGHT FRAME AND COVERS, STANDARD DETAIL G-552 WHERE WATER TIGHT MANHOLE FRAME AND COVER IS USED. SET TOP OF FRAME 1'-0" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - HOUSE(S) WITH THE SYMBOL 'C.S.' INDICATES THAT CELLAR CANNOT BE SERVED.
 - SEWER CLAMPS ARE TO HAVE STAINLESS STEEL STRAPS.



VICINITY MAP
SCALE: 1"=600'

Sta. 16+05 Used Alternate Detail W-2.13 Anchoring & Strapping Valve with Hydr. to Concrete Anchor

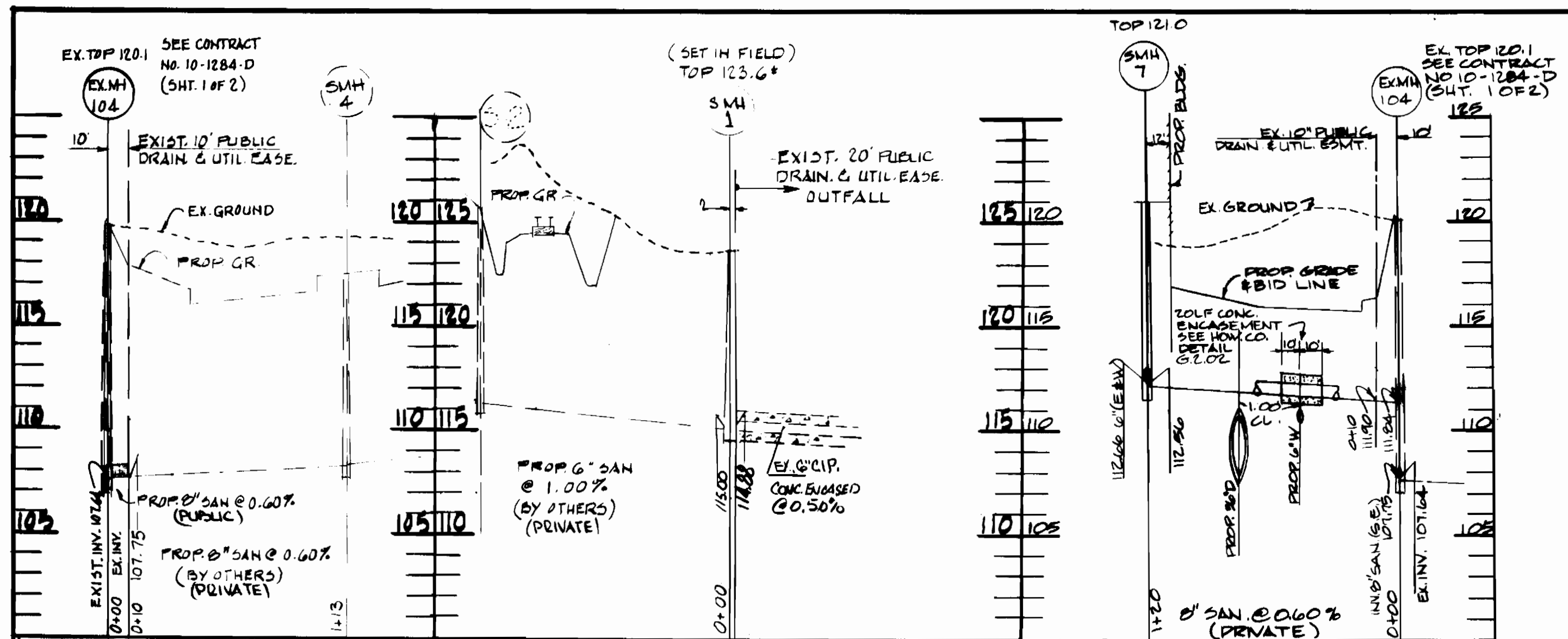
F.H. Moved to Sta. 16+2.75 West of face of Curb

F.H. Set 3' East of face of Curb

14' Northwest Corner Curb of Inlet

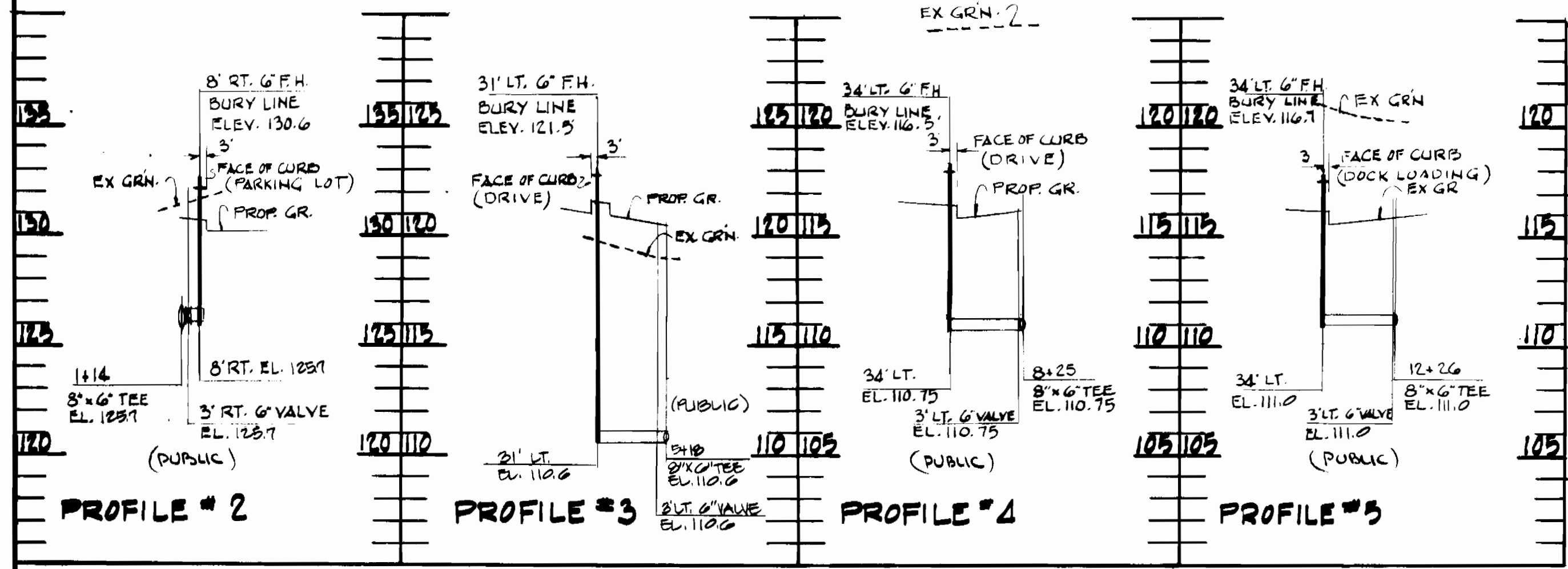
TYPE OF BUILDING: PHASE I - 2 OFFICE / WAREHOUSE
NUMBER OF LOTS: 2 PARCELS
NUMBER OF WATER HC.: 2
NUMBER OF SEWER HC.: 2
DRAINAGE AREA: DEEP RUN

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND		ENGINEER GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.		DESIGNED: J.W. DRAWN: G.Y. CHECKED: C.K.B.	BY NO. REVISION	DATE	THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD CO. SOIL CONSERVATION DISTRICT. APPROVED: [Signature] 8/16/86 HOWARD COUNTY SOIL CONSERVATION DISTRICT	REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS: [Signature] 8/16/86 U.S. SOIL CONSERVATION SERVICE	SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATION & S.O.P. 86-249
[Signature]	DATE: 9-2-86	[Signature]	DATE: 8-28-86		1 CHANGE 8" SAN. TO 6" SAN. ON SITE TO BLDG. #4 & 5	8-2-86			
[Signature]	DATE: 9-2-86	[Signature]	DATE: 9-2-86		2 CHANGE WATER SLEEVE CROSSING TO TYPE '3'	8-2-86			
[Signature]	DATE: 9-2-86	[Signature]	DATE: 9-2-86		3 CHANGE 8" SAN. TO 6" SAN. ON SITE TO BLDG. #2	8-2-86			
[Signature]	DATE: 9-2-86	[Signature]	DATE: 9-2-86		4 RELOCATE TEE & VALVE INTO BLDG. 'C'	9-11-87			
CHIEF, BUREAU OF ENGINEERING		CHIEF, LAND DEVELOPMENT DIV.		P.M. 05260					
<p>PLAN FOR PROPOSED WATER MAIN CONTRACT NO. 14-1508-D</p> <p>600' SCALE MAP NO. 51-24-14 BLOCK No. 19</p>							<p>PROPOSED OFFICE & WAREHOUSE ROUTE 100 BUSINESS PARK PARCEL #1 & PARCEL #2 PLAT # 0429</p> <p>ELECTION DISTRICT #1 HOWARD COUNTY, MD TAX MAP # 51/35 PARCEL # 601/201 SCALE: 1"=50' DATE: APRIL 30, 1986</p>		

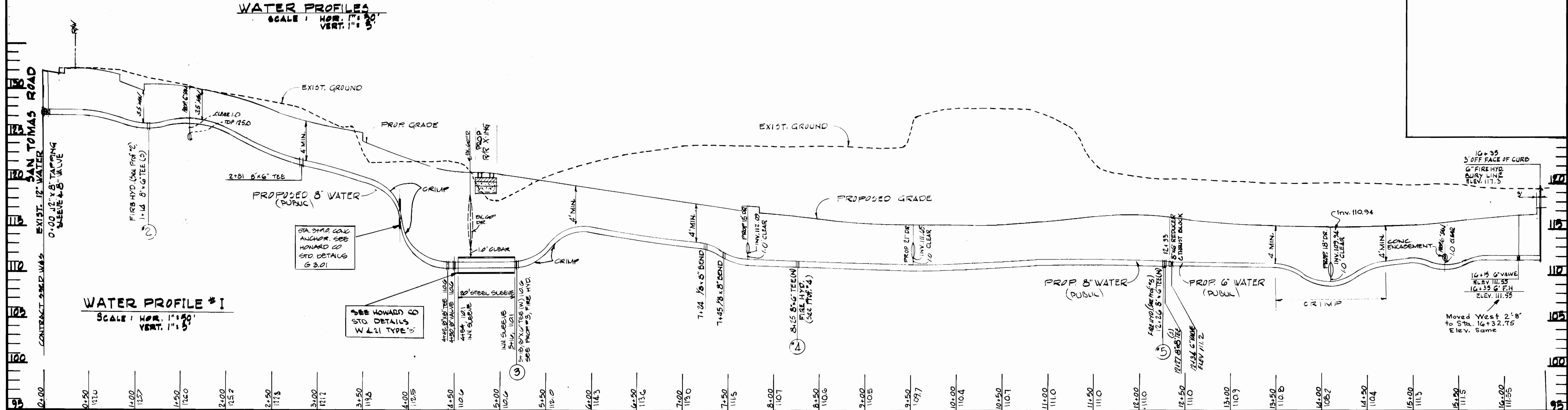


QUANTITIES			
ITEM	ESTIMATED	AS-BUILT	MATERIAL/SUPPLIES
8" D.I.P.	2250 L.F.	1258 L.F.	Griffin Pipe Products
6" D.I.P.	110 L.F.	510 L.F.	Griffin Pipe Products
8" x 8" TEE	3	2	Tyler Pipe & Foundry Co.
8" x 6" TEE	4	5	"
8" CAP	3	2	"
8" 1/8" BEND	2	2	"
8" Repair Clamp		1	"
8" x 6" REDUCER & BLOCK	1	1	"
12" x 8" TAPPING SLEEVE	1	1	"
8" VALVE	4	4	U.S. Pipe & Foundry
6" VALVE	7	7	"
6" FIRE HYDRANT	5	5	U.S. Pipe & Foundry
Sta 2+81 Private 3-6" 90° 10-6" Line			
8" SANITARY MANHOLE	20 L.F.	20 L.F.	J.M. Manufacturing

SANITARY PROFILE
SCALE: HOR. 1" = 50'
VERT. 1" = 5'



WATER PROFILES
SCALE: HOR. 1" = 50'
VERT. 1" = 5'



WATER PROFILE #1
SCALE: HOR. 1" = 50'
VERT. 1" = 5'

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 9-28-86 CHIEF, BUREAU OF UTILITIES: Robert Reinger DATE: 8-22-86 CHIEF, BUREAU OF ENGINEERING: [Signature] DATE: 9-28-86 CHIEF, LAND DEVELOPMENT DIV.: [Signature] DATE: 9-28-86		ENGINEER GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC. 303 ALLEGHENY AVENUE TOWSON, MARYLAND 21204 825-8120		DESIGNED: J.W. DRAWN: G.Y. CHECKED: C.K.B. FN. 05260		<table border="1"> <thead> <tr> <th>BY</th> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>JW</td> <td>1</td> <td>CHANGE 8" SAN TO 6" SAN ON SITE TO BLDG. A & B</td> <td>8-2-86</td> </tr> <tr> <td>JW</td> <td>2</td> <td>CHANGE WATER SLEEVE CROSSING TO TYPE 'B'</td> <td>8-21-86</td> </tr> <tr> <td>C.A.H.</td> <td>3</td> <td>ADD 12" CONCRETE CURB ENCASUREMENT TO 8" TAPPING SLEEVE</td> <td>11-5-86</td> </tr> <tr> <td>C.A.H.</td> <td>4</td> <td>CHANGE 12" CONCRETE CURB ENCASUREMENT TO 18" CONCRETE CURB ENCASUREMENT</td> <td>11-5-86</td> </tr> <tr> <td>C.A.H.</td> <td>5</td> <td>ADD CONG. ANCHOR AT STA 3+90</td> <td>9-11-87</td> </tr> <tr> <td>KLB</td> <td>6</td> <td>RELOCATE TEE & VALVE INTO BLDG. 'C'</td> <td></td> </tr> </tbody> </table>		BY	NO.	REVISION	DATE	JW	1	CHANGE 8" SAN TO 6" SAN ON SITE TO BLDG. A & B	8-2-86	JW	2	CHANGE WATER SLEEVE CROSSING TO TYPE 'B'	8-21-86	C.A.H.	3	ADD 12" CONCRETE CURB ENCASUREMENT TO 8" TAPPING SLEEVE	11-5-86	C.A.H.	4	CHANGE 12" CONCRETE CURB ENCASUREMENT TO 18" CONCRETE CURB ENCASUREMENT	11-5-86	C.A.H.	5	ADD CONG. ANCHOR AT STA 3+90	9-11-87	KLB	6	RELOCATE TEE & VALVE INTO BLDG. 'C'		PROFILE FOR PROPOSED WATER MAIN AND SANITARY SEWER CONTRACT NO. 14-1508-D 600' SCALE MAP NO. 37-38-43-44 BLOCK N9 19		PROPOSED OFFICE & WAREHOUSE ROUTE 100 BUSINESS PARK PARCELS E1 & PARCEL E2 PLAT: G429 ELECTION DISTRICT #1 TAX MAP # 57/38 SCALE: 1" = 50' HOWARD COUNTY, MD. PARCELS G01/151 DATE: APRIL 20, 1986		SCALE AS SHOWN SHEET NO. 2 OF 2
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