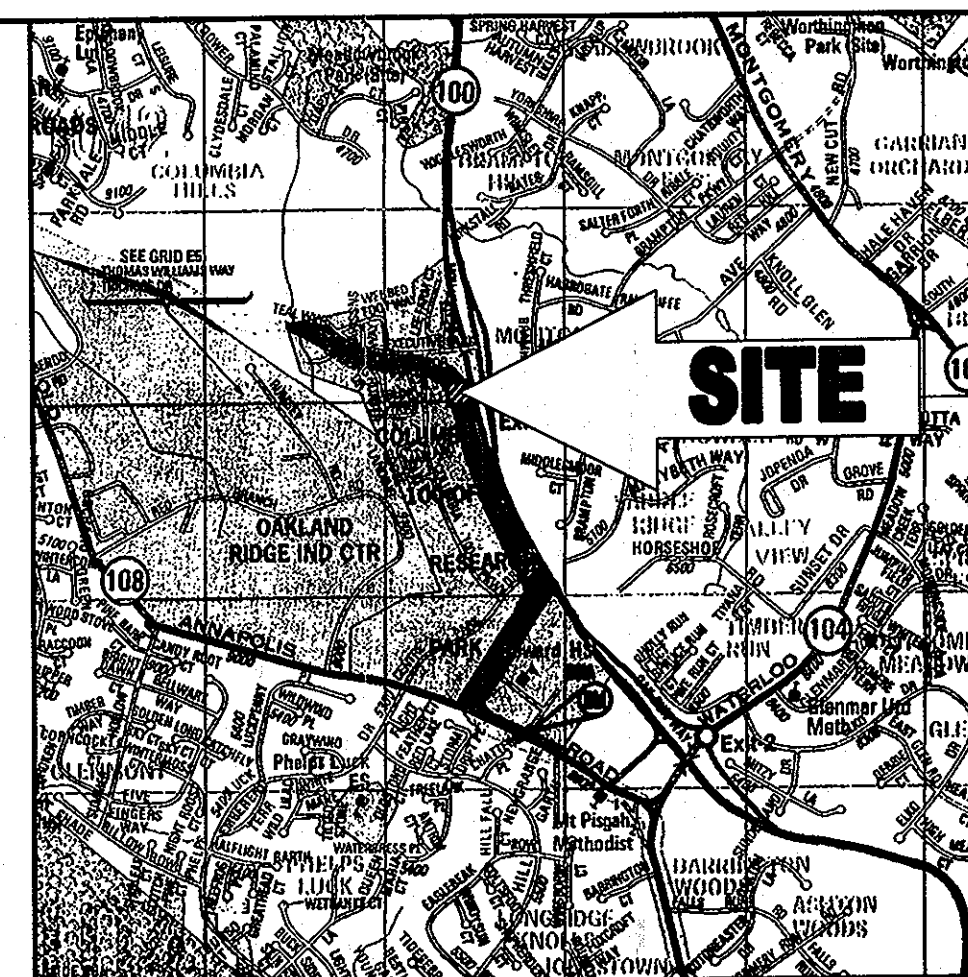


SHEET INDEX

1	TITLE SHEET
2	UTILITY PLAN AND PROFILES

# COLUMBIA 100 OFFICE RESEARCH PARK PARCEL P-2: PROVIDENT BANK PUBLIC WATER AND SEWER EXTENSION



VICINITY MAP  
COPYRIGHT ADC THE MAP PEOPLE  
PERMIT USE NO. 20602153-5  
SCALE: 1"=2000'

**BENCHMARKS**

GEODETIC SURVEY CONTROL #30FA  
N 568,621.333  
E 1,361,564.025  
ELEV. = 440.959  
HOWARD COUNTY ALUMINUM DISK SET ON A CONCRETE MONUMENT ON THE  
SOUTHEAST CORNER OF MD ROUTE 108 AND SUMMER HOLLOW LANE.

GEODETIC SURVEY CONTROL #30IA  
N 567,750.947  
E 1,364,842.687  
ELEV. = 499.153  
HOWARD COUNTY ALUMINUM DISK SET ON A CONCRETE MONUMENT ON THE  
NORTHWEST CORNER OF MD ROUTE 108 AND THE EXIT FROM HOWARD HIGH  
SCHOOL.

**SEWER NOTES**

- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. WHERE WATERTIGHT FRAME AND COVER IS USED, SET TOP FRAME 1"-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

OVERTON & ASSOCIATES  
SECTION 1, AREA 2

TAX MAP 30, GRID 12, PARCEL 406,  
HOWARD COUNTY, MARYLAND  
CONTRACT NO. 24-4595-D

**GENERAL NOTES**

- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE TOPOGRAPHY SHOWN IS BASED ON A SURVEY BY BOHLER ENGINEERING, P.C. ENTITLED "BOUNDARY AND TOPOGRAPHICAL SURVEY, OVERTON & ASSOCIATES, PART OF LOT P, COLUMBIA 100 OFFICE RESEARCH PARK, PLAT NUMBER 7526, COLUMBIA, 2ND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND" DATED 07/06/07.
- HORIZONTAL AND VERTICAL SURVEY CONTROLS:  
THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/'91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 30IA AND NO. 30FA. ALL VERTICAL CONTROLS ARE ON NAVD '88.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. 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 THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED TO 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  $\Phi$  AT THE LOCATIONS OF THE TEST PITS. 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.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:  

AT&T	800-252-1133
BCE (CONSTRUCTION SERVICES)	410-850-4620
BCE (UNDERGROUND DAMAGE CONTROL)	410-787-9068
BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE COMPANY	410-795-1390
MISS UTILITY	800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	410-224-9210
- 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 THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT 410-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(A) OF THE HOWARD COUNTY CODE.

**QUANTITIES**

ITEMS	QUANTITIES ESTIMATED	QUANTITIES	AS-BUILT TYPE	MANUFACTURER / SUPPLIER
1/16 BEND	2 EA	2 EA	MJ	SIGMA / BEL AIR RD.
1/32 BEND	1 EA	1 EA	MJ	SIGMA / BEL AIR RD.
8" PVC SEWER	278 LF	280 LF	SDR35	JM / BEL AIR RD.
SEWER MANHOLE	1 EA	1 EA	PRECAST	ATLANTIC / ATLANTIC
1 1/2" COPPER TYPE "K"	13.50 LF	15.00 LF	K	HOWELL METAL
8" D.I.P. WATER	259 LF	260 LF	DIP	GRIFFIN / BEL AIR RD.
6" VALVE	1 EA	1 EA	RSGV	SIGMA / BEL AIR RD.
8" VALVE	1 EA	1 EA	RSGV	SIGMA / BEL AIR RD.
FIRE HYDRANT	1 EA	1 EA		KENNEDY / BEL AIR RD.
CAP & BUTTRESS	1 EA	1 EA	MJ	GRIFFIN / BEL AIR RD.
12" TAPPING SLEEVE	1 EA	1 EA		JCM / BEL AIR RD.

NAME OF UTILITY CONTRACTOR: ACCUBID

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on SDP-08-024

CHECKBOX  
AS-BUILT DATE: 5-19-11  
SURVEY AND DRAFTING DIVISION

REVIEW FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

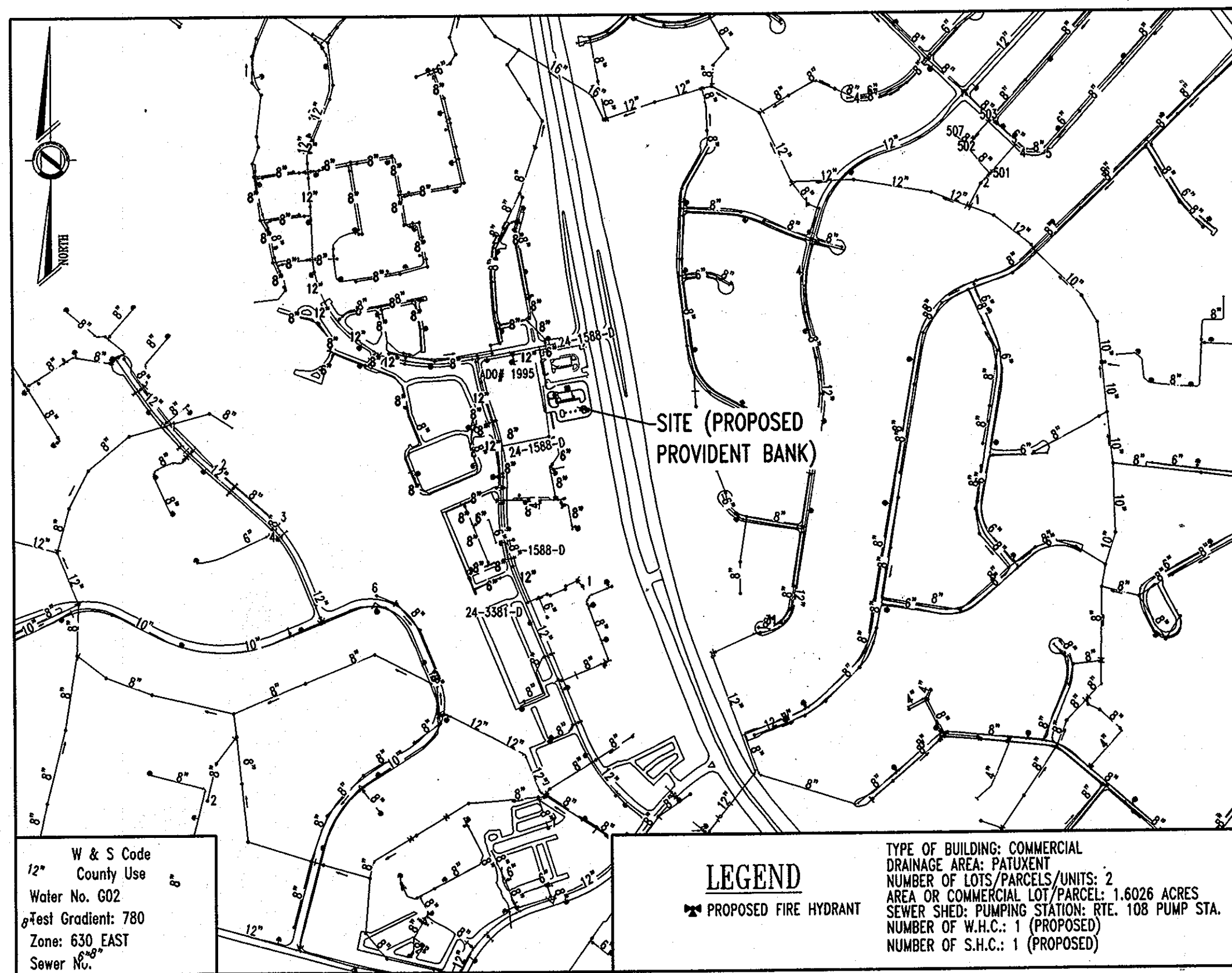
NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT, (SDP-08-24)

Howard Soil Conservation District

**OWNER**  
EXECUTIVE PARK DRIVE ASSOCIATES, LLC.  
216 SCHILLING CIRCLE SUITE 300  
HUNT VALLEY, MD 21031  
C/O LAWRENCE E. JULIO  
PHONE: 410-628-6000

**DEVELOPER**  
OVERTON & ASSOCIATES  
909 BALTIMORE BLVD.  
WESTMINSTER, MD 21157  
C/O JACT DELA CRUZ  
PHONE: 410-386-1600



12" W & S Code County Use  
Water No. 602  
Test Gradient: 780  
Zone: 630 EAST  
Sewer No.

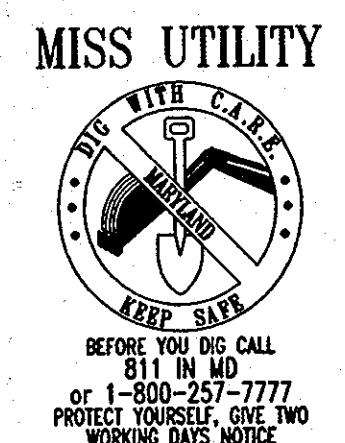
**LEGEND**  
PROPOSED FIRE HYDRANT

TYPE OF BUILDING: COMMERCIAL  
DRAINAGE AREA: PATIENT  
NUMBER OF LOTS/PARCELS/UNITS: 2  
AREA OR COMMERCIAL LOT/PARCEL: 1.6026 ACRES  
SEWER SHED: PUMPING STATION: SITE 108 PUMP STA.  
NUMBER OF W.H.C.: 1 (PROPOSED)  
NUMBER OF S.H.C.: 1 (PROPOSED)

LOCATION MAP  
SCALE: 1"=600'

**WATER NOTES**

- ALL WATER MAINS SHALL BE D.I.P. CLASS S4 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF 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 INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND THE 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.



**PROFESSIONAL CERTIFICATION**

I, MATTHEW T. ALLEN, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 28567, EXPIRATION DATE: 4/16/09

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO APPROPRIATE.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

Chief, Bureau of Utilities

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND

Chief, Development Engineering Division

**BOHLER ENGINEERING**  
CIVIL & CONSULTING ENGINEERS  
SURVEYORS  
PROJECT MANAGERS  
ENVIRONMENTAL ENGINEERS  
LANDSCAPE ARCHITECTS

OFFICES:  
WARREN, NJ  
SOUTHBOROUGH, MA  
ALBANY, NY  
PURCHASE, NY  
ROCKFORD, IL  
CHALFONT, PA

STERLING, VA  
BOWIE, MD  
TOWSON, MD  
WOODBRIDGE, VA  
FORT LAUDERDALE, FL  
CENTER VALLEY, PA

DES: A.G.S.  
DRN: R.F.G.  
CHK: M.J.G.

DATE: 03/10/09

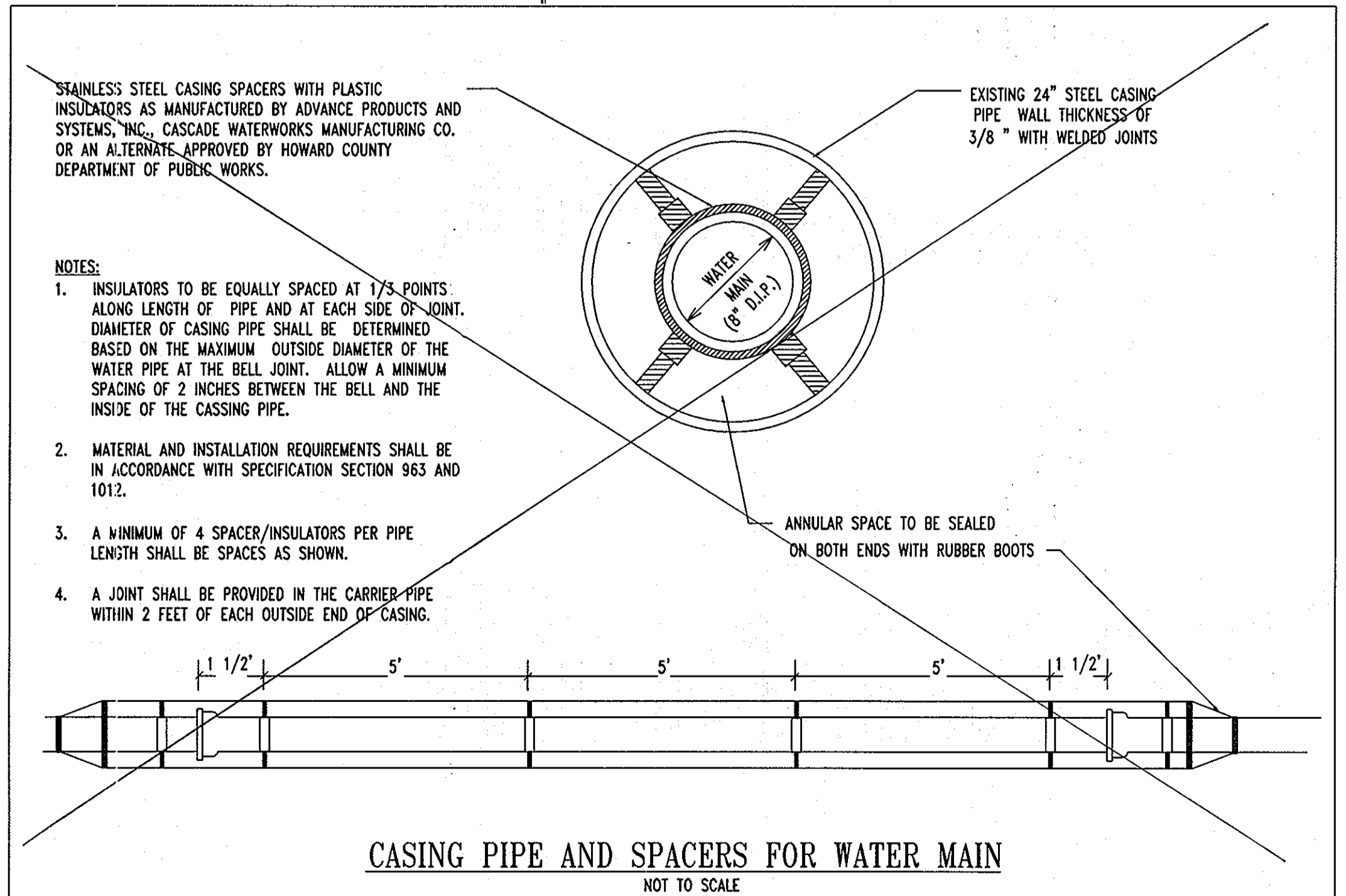
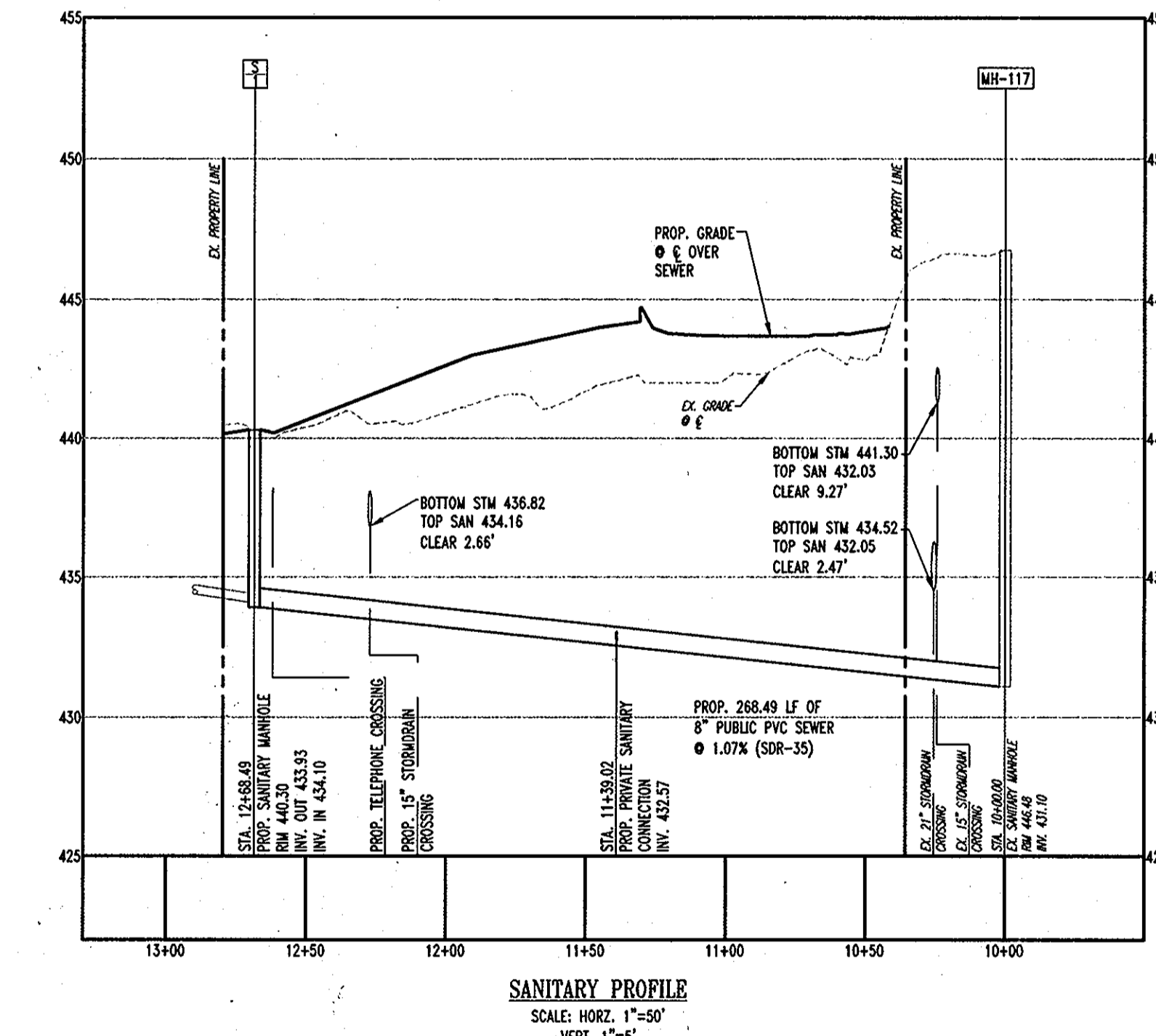
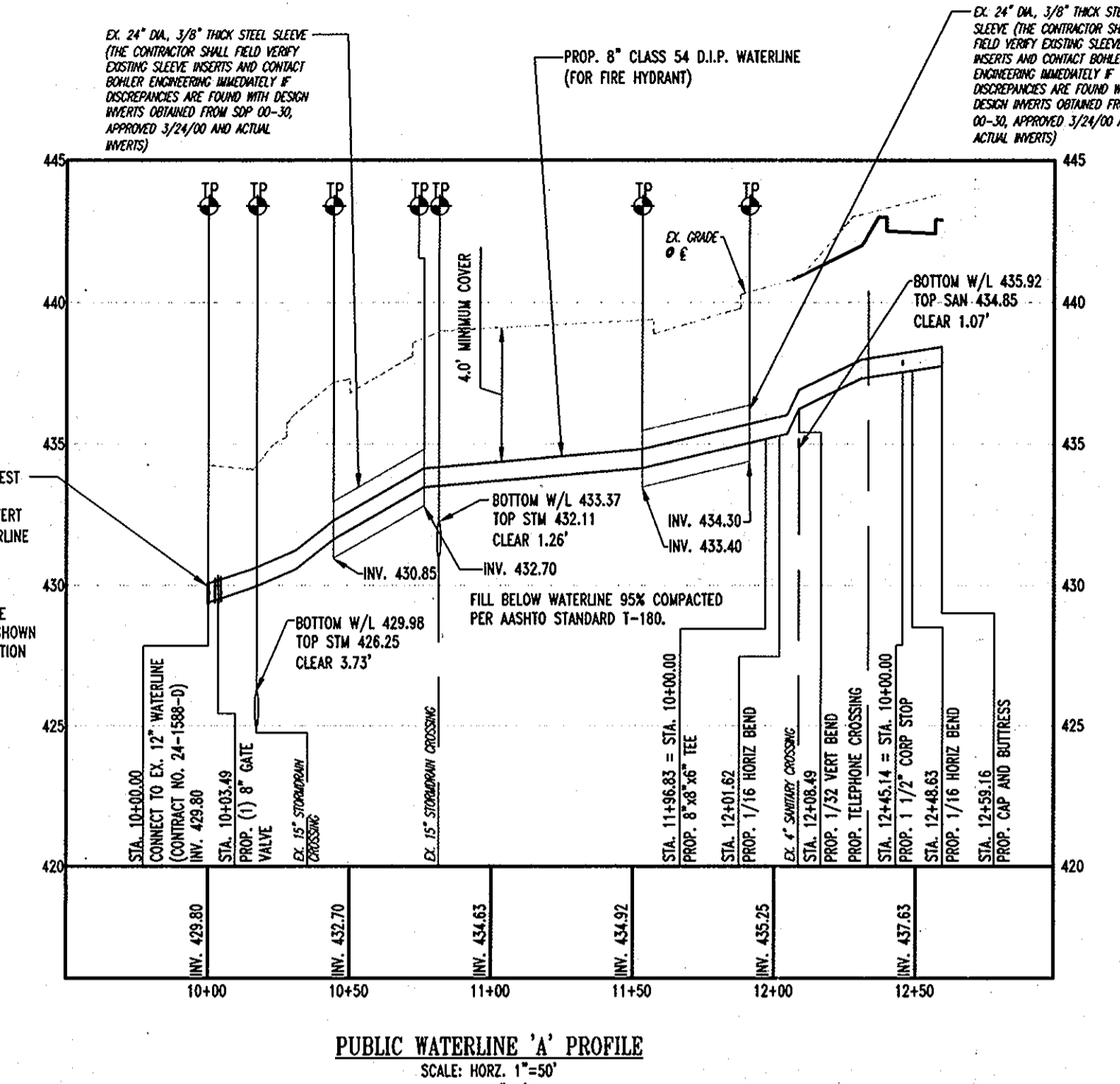
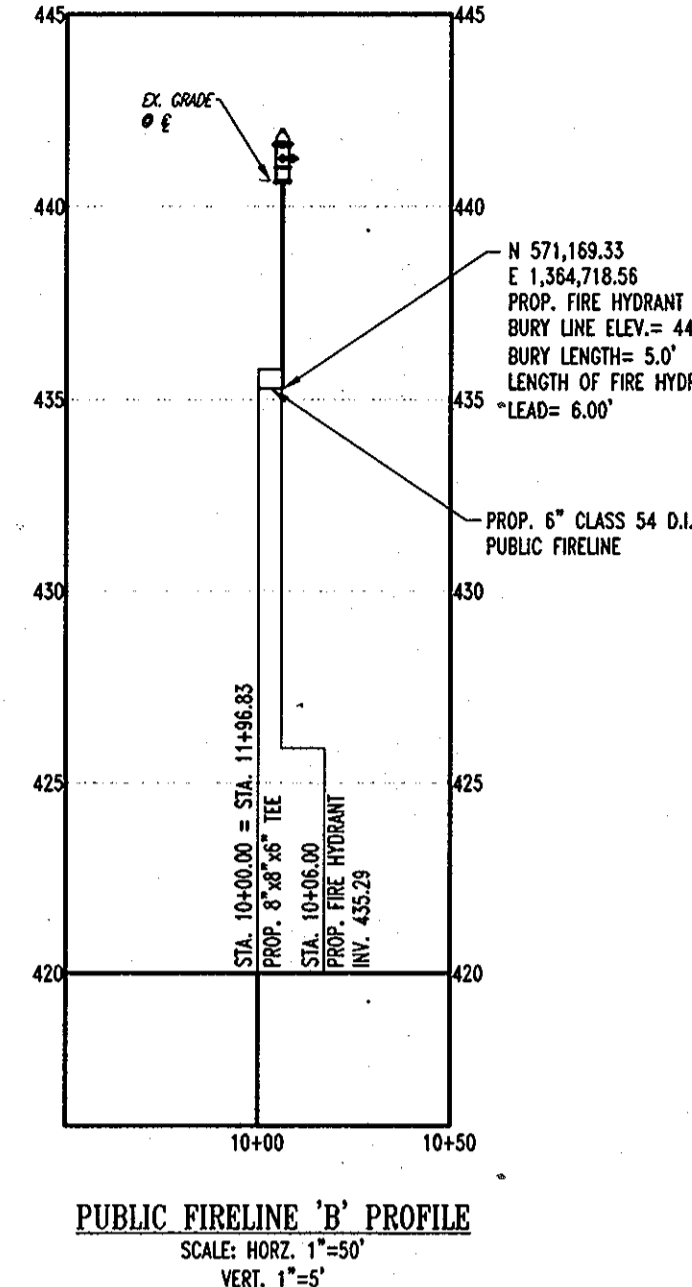
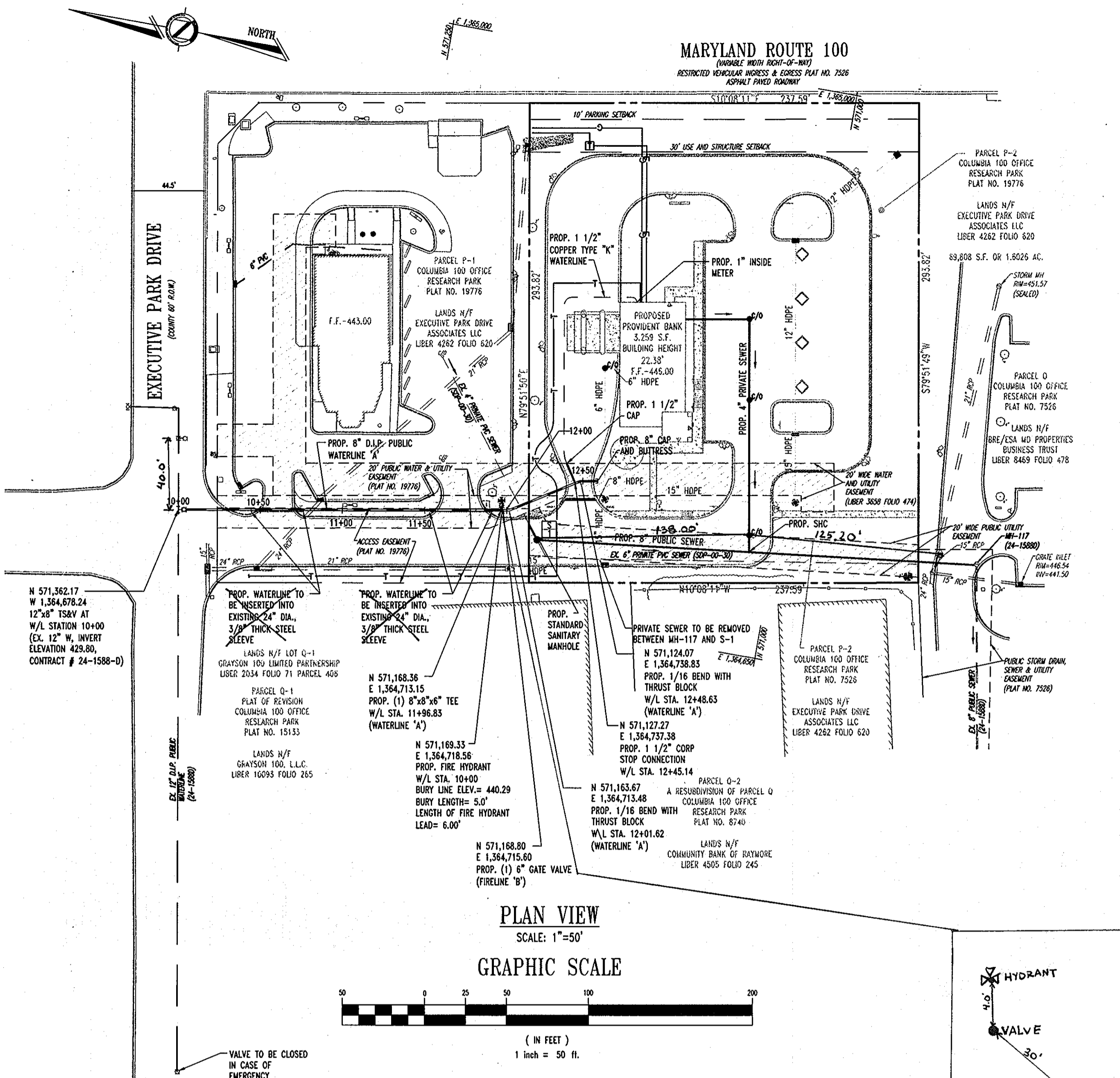
REV.	DATE	DESCRIPTION	BY
1	06/17/11	AS-BUILT REVISIONS	KCI

TITLE SHEET

PARCEL NO. 406  
600' SCALE MAP NO. 30 BLOCK NO. 12

COLUMBIA 100 OFFICE RESEARCH PARK  
PARCEL P-2: PROVIDENT BANK-OVERTON & ASSOCIATES  
4915 EXECUTIVE PARK DRIVE  
SECTION 1, AREA 2, PARCEL 406  
2nd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
CONTRACT 24-4595-D

SCALE AS SHOWN  
SHEET 1 OF 2



**NOTE:**  
 1. LIMIT OF PUBLIC ACCEPTANCE OF PRIVATE SEWER AND ALL ASSOCIATED STRUCTURES EXTEND ACROSS PARCEL P-2 WITHIN THE PUBLIC UTILITY EASEMENT.  
 2. CLOSE VALVE AS REQUIRED AND AS DENOTED ON THE PLAN VIEW PRIOR TO INSTALLING TAPPING SLEEVE AND VALVE. ALL PROPERTIES EAST OF CLOSED VALVE WILL BE AFFECTED.



**PROFESSIONAL CERTIFICATION**  
 I, MATTHEW T. ALLEN, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 28567, EXPIRATION DATE: 4/16/09.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Chief, Bureau of Utilities Date: 3/10/09	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND Chief, Development Engineering Division Date: 4/14/09	<b>BOHLER ENGINEERING</b> CIVIL & CONSULTING ENGINEERS SURVEYORS PROJECT MANAGERS ENVIRONMENTAL ENGINEERS LANDSCAPE ARCHITECTS OFFICES: WARREN, NJ SOUTHBROOK, MA ALBANY, NY PURCHASE, NY BOWNE, MD TOWSON, MD WARRENTON, VA FORT LAUDERDALE, FL CENTER VALLEY, PA MATTHEW T. ALLEN	DES: A.G.S. DRN: R.F.G. CHK: M.J.G. DATE: 03/10/09	PUBLIC WATER AND SEWER PLAN AND PROFILES PARCEL NO. 406 600' SCALE MAP NO. 30 BLOCK NO. 12	COLUMBIA 100 OFFICE RESEARCH PARK PARCEL P-2: PROVIDENT BANK-OVERTON & ASSOCIATES 4915 EXECUTIVE PARK DRIVE SECTION 1, AREA 2, PARCEL 406 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT 24-4595-D SCALE AS SHOWN SHEET 2 OF 2
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