

WOODLAND PARK
SECTION 2, AREA 2
PLAT NOS. 5862-5867

NOTE: EXISTING 30" W AT THE END OF WOODCREST DRIVE HAS A HISTORY OF BEING FRAGILE. CONTRACTOR IS FULLY RESPONSIBLE TO TAKE ALL NECESSARY PRECAUTIONS TO PRESERVE THE INTEGRITY OF THIS PIPE DURING CONSTRUCTION.

20' SEWER AND UTILITY ESMT
MATCH LINE SEE THIS SHT.
20' CONSTRUCTION STRIP

NUMBER OF BUILDABLE LOTS 49
BUILDING TYPE S.F.D.
No. OF WHCS 49
No. OF SHCS 50
DRAINAGE AREA PATAPSCO

WATER AND SEWER COUNTY USE
WATER No. 1005
SEWER No. 2650200

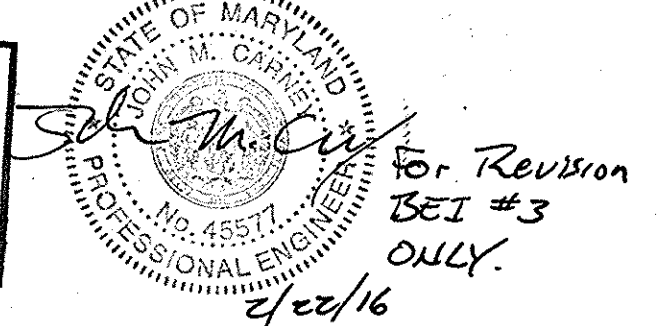
VICINITY MAP
SCALE: 1" = 600'

WATER AS BUILT DETAIL
LOTS 52-54
NO SCALE

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.C. 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 COMPANY AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES ADDITIONAL BRACING OF POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED TO THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY 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. 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 AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - C&P STATE HIGHWAY ADMINISTRATION.....531-5533
 - BALTIMORE GAS & ELECTRIC CO. CONTRACTOR SERVICES.....850-4620
 - BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL.....859-9004
 - BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING.....298-9001
 - MISS UTILITY.....1-559-0100
 - COLONIAL PIPELINE CO.....795-1390
 - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.....313-4900
- TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM 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 EXCAVATION AND BACKFILL.
- PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE OPERATIONS.
- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEE'S SHALL BE STRAPPED TO TEE'S.
- BLOCK ALL FITTINGS WITH CONCRETE.
- BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS 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 1000 AND 1005 OF THE GENERAL REQUIREMENTS FOR WATER AND SEWER.
- 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 D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH A.W.W.A. SPEC. C-153 DUCTILE IRON COMPACT FITTINGS 3"-12" FOR WATER AND OTHER LIQUIDS.
- THE SERVICE CLAMPS ARE TO HAVE STAINLESS STEEL STRAPS.
- ALL SEWER MAINS SHALL BE C.S.P.X., V.C.P.X., P.V.C.
- 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 GS-52, VOLUME IV WHERE WATERTIGHT MANHOLE IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE.
- HOUSE (S) WITH SYMBOL "C.N.S." INDICATES CELLAR CANNOT BE SERVED.
- ALL WATER HOUSE CONNECTIONS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 12" ABOVE ALL SANITARY SEWER CROSSINGS.
- ALL SANITARY SEWER HOUSE CONNECTIONS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 12" BELOW ALL WATER MAIN CROSSINGS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.

Professional Certification: I 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. 45577 - Expiration Date: 06/08/16



TEST PIT DATA

T.P. NO.	EX. GROUND ELEVATION	TOP OF 30" W	INV. OF 30" W
1	308.8	301.8	299.1
2	309.4	301.7	299.0
3	309.6	301.7	299.0

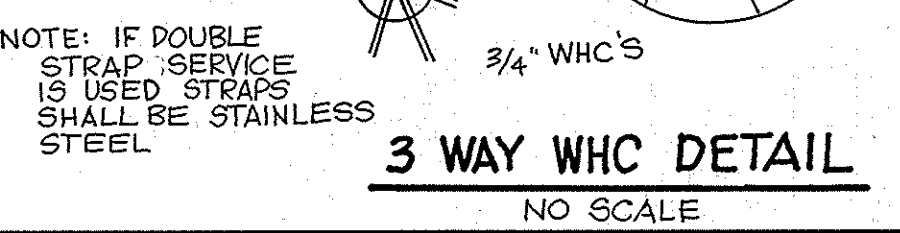
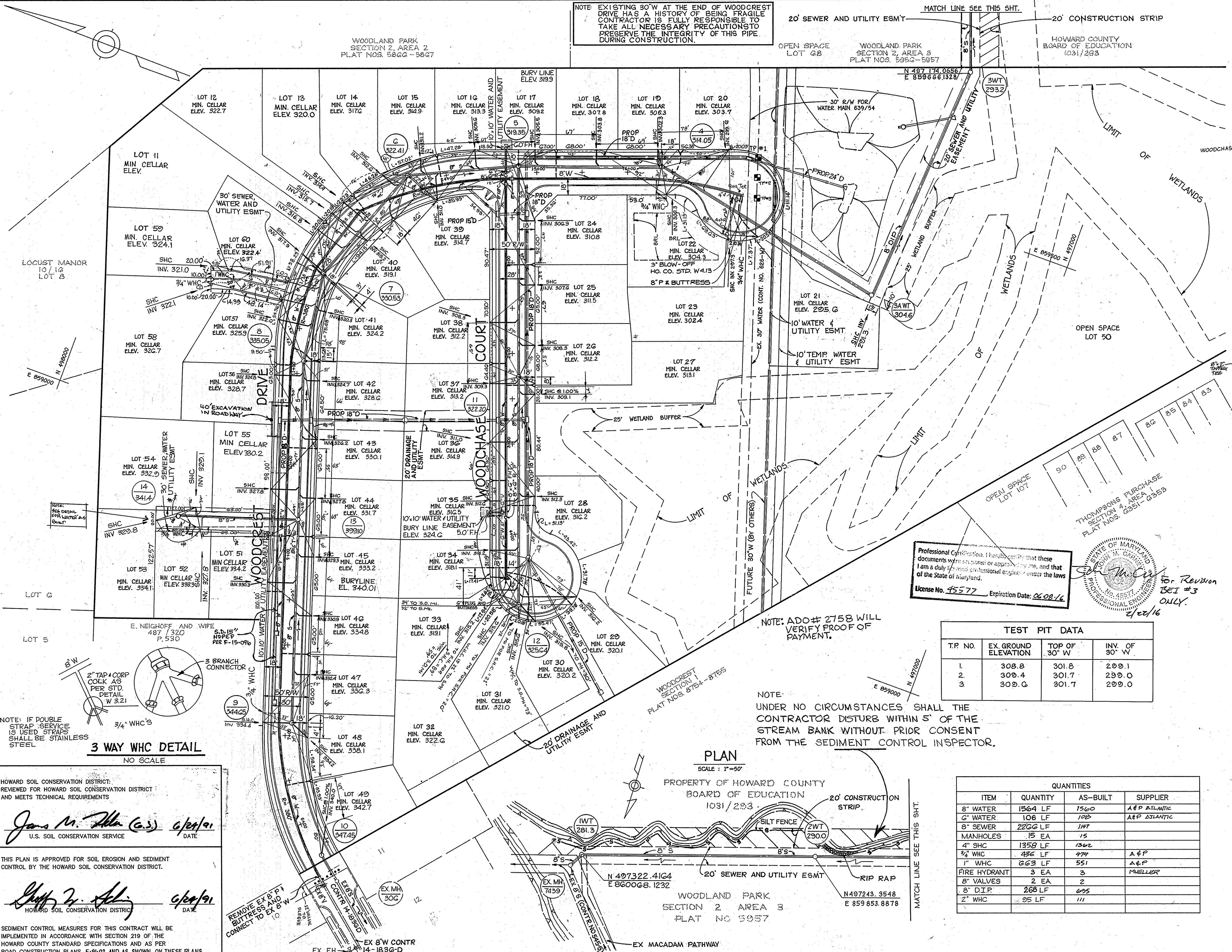
NOTE: ADO# 2758 WILL VERIFY PROOF OF PAYMENT.
NOTE: UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR DISTURB WITHIN 5' OF THE STREAM BANK WITHOUT PRIOR CONSENT FROM THE SEDIMENT CONTROL INSPECTOR.

PLAN
SCALE: 1" = 50'

PROPERTY OF HOWARD COUNTY
BOARD OF EDUCATION
1031/293

QUANTITIES

ITEM	QUANTITY	AS-BUILT	SUPPLIER
8" WATER	1564 LF	1560	A&P ATLANTIC
6" WATER	106 LF	102	A&P ATLANTIC
8" SEWER	2202 LF	1197	A&P ATLANTIC
MANHOLES	15 EA	15	
4" SHC	1353 LF	1302	
3/4" WHC	456 LF	474	A&P
1" WHC	663 LF	551	A&P
FIRE HYDRANT	3 EA	3	MUELLER
8" VALVES	2 EA	2	
8" D.I.P.	268 LF	695	
2" WHC	95 LF	111	



HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James M. Allen (C.S.) 6/24/91
U.S. SOIL CONSERVATION SERVICE

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Sheff Z. Allen 6/24/91
HOWARD SOIL CONSERVATION DISTRICT

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-91-02 AND AS SHOWN ON THESE PLANS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
James M. Allen (C.S.) 6/24/91
DIRECTOR OF PUBLIC WORKS
Robert B. Bunker 6-13-91
CHIEF, BUREAU OF UTILITIES

TRACY, SCHULTE & ASSOCIATES INC.
planning • engineering • surveying
8480 Baltimore National Pike • Suite 418
Ellicott City, Maryland 21043
Professional Engineer Seal for Tracy Schulte

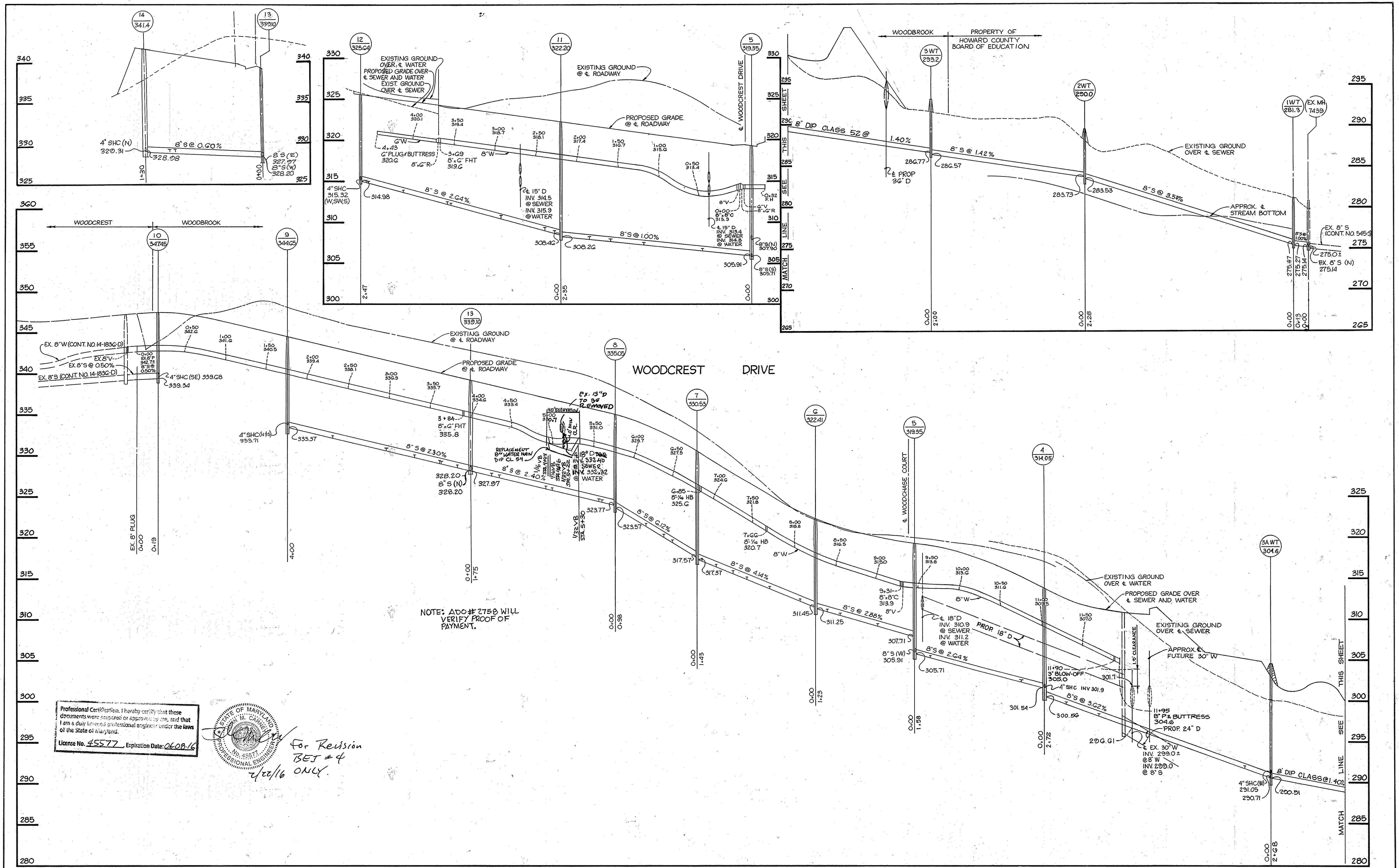
DES: DAM
DRN: DRK
CHK: BEI 3
DATE: 6-27-90
BY: NO.

REVISIONS

NO.	DESCRIPTION	DATE
1	REVISE PLAN TO SHOW 40' EXCAVATION AREA	2-22-91
2	REVISED LOTS 1-10 TO 51-60 ADDED MH II-12	12-19-91
3	ADD WHC TO E. NEIGHOFF REVISE COORDINATE MH1	

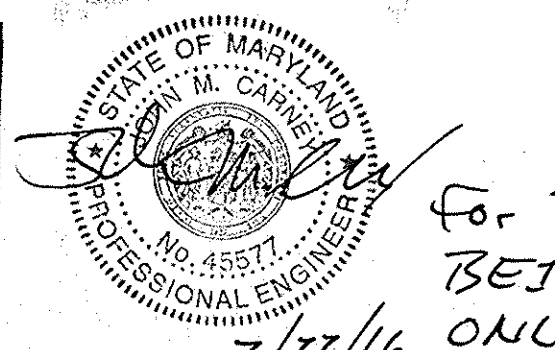
PLAN OF WATER & SEWER MAINS
600'SCALE MAP NO. 37
BLOCK NO. 14

WOODBROOK
SECTION 1, AREA 1
ELECTION DISTRICT NO. 1
CONTRACT NO. 14-3057-D
SHEET 1 OF 2
AS-BUILT MARCH 6, 1992



NOTE: ADD # 2750 WILL VERIFY PROOF OF PAYMENT.

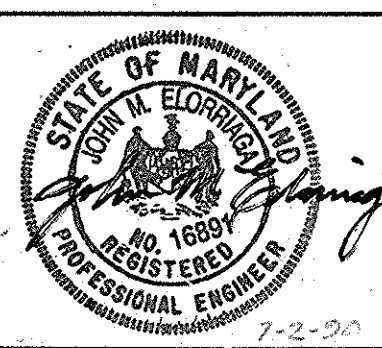
Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 45577, Expiration Date: 06/08/16



For Revision
 BEJ # 4
 4/20/16 ONLY.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: [Signature]
 Chief, Bureau of Engineering: Elizabeth H. Schulte
 Chief, Land Development Division: [Signature]

TRACY, SCHULTE & ASSOCIATES INC.
 planning · engineering · surveying
 8480 Baltimore National Pike Suite 418
 Ellicott City Maryland 21043



DES:	DAM			
DRN:	JLM	BEJ	REVISE PROFILE TO SHOW EXCAVATION AREA	2-22-16
CHK:	EJS	△	ADDED MH 11-12	
DATE:	6-27-90	△	REVISE LENGTH EX MH 7430 TO MH 2	
BY:	NO.	△	REVISE SLOPE MH 6 TO MH 5	
DATE:	9-18-91			

PROFILES OF WATER & SEWER MAINS
 600' SCALE MAP NO. 37 BLOCK NO. 14

WOODBROOK SECTION 1, AREA 1
 ELECTION DISTRICT NO. 1
 CONTRACT NO. 14-3057 D
 AS-BUILT MARCH 1992

SCALE: HORIZ-1"=50' VERT-1"=5'
 SHEET 2 OF 2