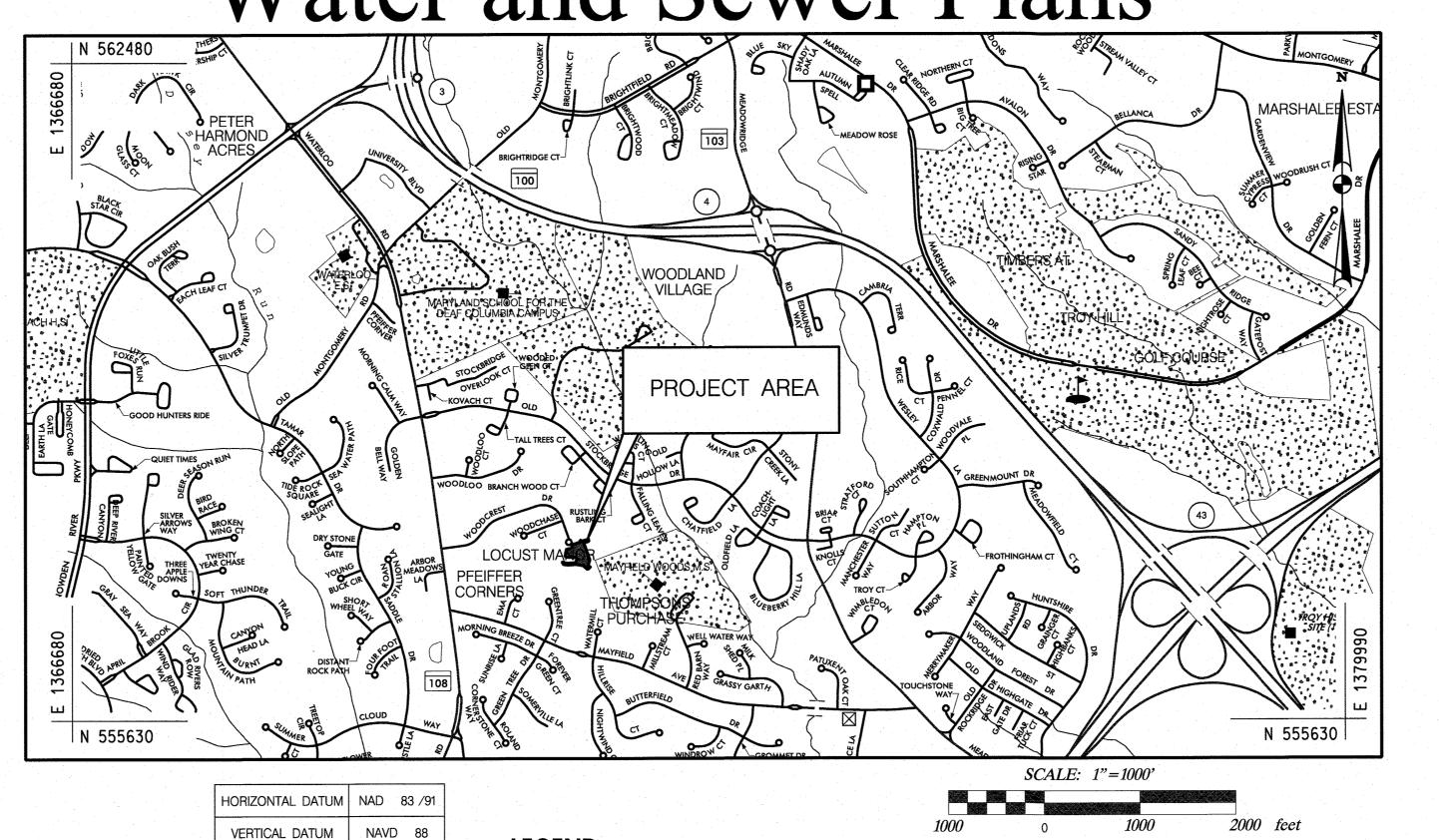
HOWARD COUNTY

Capital Project #W8602 Contract No. 10-5113

Woodcrest Drive Principal Spillway Replacement and Water Quality Retrofit Project Water and Sewer Plans



PROPOSED MINOR CONTOUR —————

LIMIT OF DISTURBANCE — — LOD —

EXISTING DROP INLET ----------

BUSH /TREE TO BE REMOVED ----

SHEET NO.	TITLE
SHEET INU.	III LE
UT-1	SEWER RELOCATION TITLE SHEET
UT-2	SEWER RELOCATION PLAN
UT–3	SEWER RELOCATION PROFILES AND DETAILS

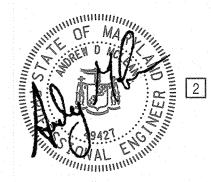
INDEX OF WATER AND SEWER SHEETS

QUANTITIES							
ITEM	UNIT	ESTIMATE	AS-BUILT	MATERIAL SUPPLIER			
8" DIP, CL. 52	LF	-202	63 2	U.S. PIPE 2			
8" PVC, SDR 35	LF	-63-	203 2	NORTH AMERICAN PIPE 2			
4' PRECAST MANHOLE 2	EA 2	2 2	2 2	CONTRACTORS PRECAST CORP. 2			
NAME OF UTILITY	CONTI	RACTOR:W	/.F. WILSON &	SONS, INC. 2			
			AS-BUILT D	ATE: 08/18/2021 2			

2 AS-BUILT CERTIFICATION

THEREBY CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN ON THE "AS-BUILT" PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS.





PURPOSE STATEMENT

THE PURPOSE OF THIS PROJECT IS TO RELOCATE THE EXISTING 8" SEWER LINE AND INSTALL A PROPOSED SEWER MANHOLE, CAPITAL PROJECT #W8602 IN COORDINATION WITH THE PRINCIPAL SPILLWAY REPLACEMENT AND WATER QUALITY RETROFIT PROJECT, CAPITAL PROJECT NO. D-1178

PROFESSIONAL CERTIFICATION

THEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 32013, EXPIRATION DATE: 7/5/2021

*REVISION 1 APPLIES TO THE SWM FACILITY CONTRACT D-1178 AND NOT SHOWN ON THIS CONTRACT

UT-1 OF 3

SHOWN

SHEET

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

GENERAL NOTES

TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED IN SEPTEMBER 2017 BY AB CONSULTANTS

ENGINEER AT THE CONTRACTOR'S EXPENSE

BGE (CONTRACTOR SERVICES)

STATE HIGHWAY ADMINISTRATION.

3. FORCE MAINS SHALL BE D.I.P. ONLY

BGE (EMERGENCY)...

CODE

BUREAU OF UTILITIES

COLONIAL PIPELINE CO.

HORIZONTAL AND VERTICAL SURVEY CONTROLS:

APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAINS UNINTERRUPTED

SERVICE, ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE

THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/91. ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. BOTH HORIZONTAL AND VERTICAL CONTROLS WERE ESTABLISHED USING RTK GPS OBSERVATIONS COMBINED WITH A VRS NETWORK SERVICE. NO HOWARD COUNTY CONTROL POINTS OR MONUMENTS WERE USED IN SURVEY.

5. 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 THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES

FOR DETAILS NOT SHOWN ON THE DRAWING, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR

. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE

9. 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

10. 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

SEWER NOTES

5. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER

OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS

6. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED

STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP

1. ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED

2. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED

4. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY

1. 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 WATERSEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(A) OF THE HOWARD COUNTY

.410-637-8713

.410-685-0123

.410-313-4900

.410-795-1390 .800–257–7777 .410-531-5533

..800-743-0033

WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS

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 AT THE LOCATIONS OF THE TEST PITS. 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

. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS

McCORMICK

509 South Exeter Street Baltimore, Maryland 21202



Bureau of Engineering 7125 Riverwood Drive, Suite B Columbia, Maryland 21046 (410) 313–2040

FLOW LINE -----

PROPERTY LINE — — — — — —

BASE OR SURVEY LINE ——————

TRAVERSE POINT ------

APPROXIMATE LIMITS OF CUT AND/OR FILL

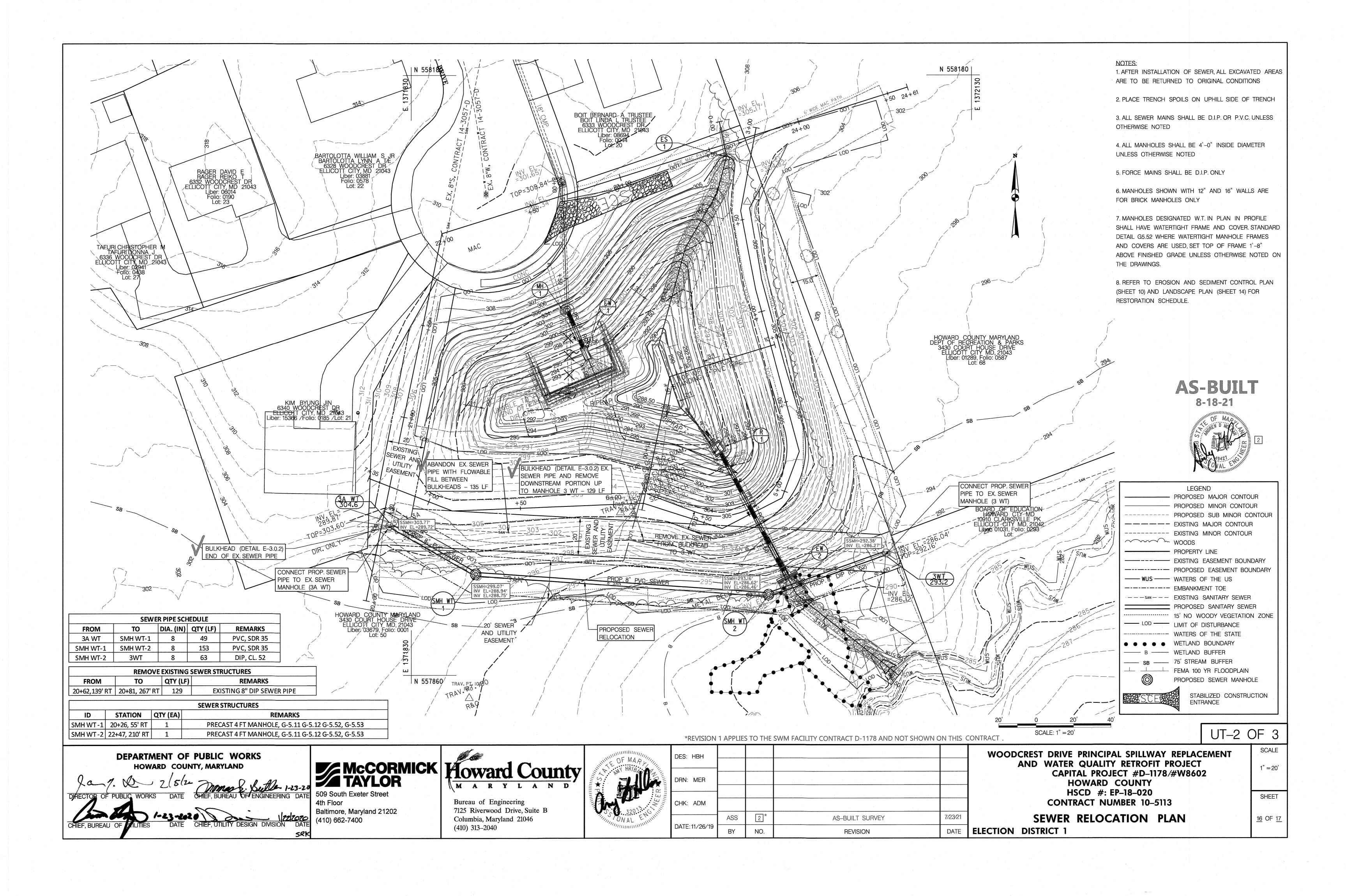


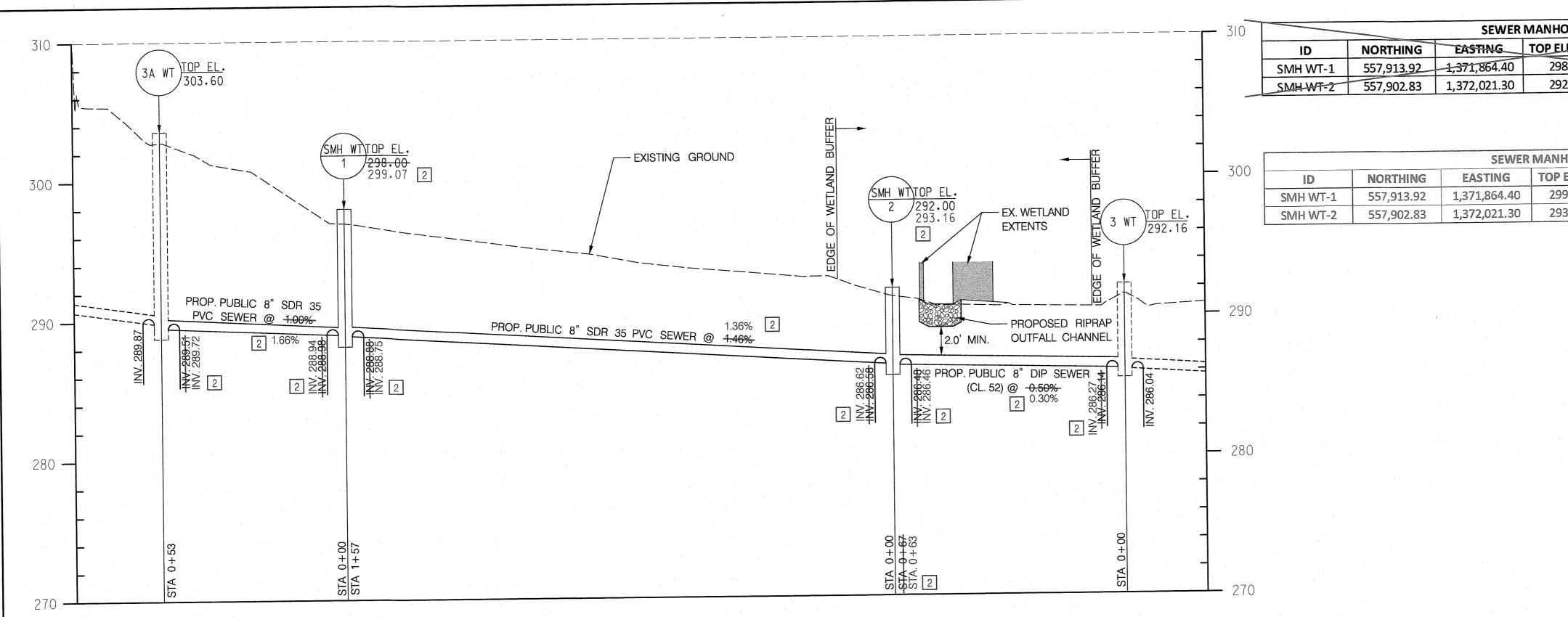
LEGEND

	DATE:11/26/19	BY	NO.	REVISION	DATE	E
MITHERITATION		ASS	2 *	AS-BUILT SURVEY	7/23/21	
	CHK: ADM					
	DRN: MER					
	DES: HBH					

WOODCREST DRIVE PRINCIPAL SPILLWAY REPLACEMENT AND WATER QUALITY RETROFIT PROJECT CAPITAL PROJECT #D-1178/#W8602 HOWARD COUNTY HSCD #: EP-18-020 CONTRACT NUMBER 10-5113 SEWER RELOCATION TITLE SHEET

15 OF 17 **ELECTION DISTRICT 1**

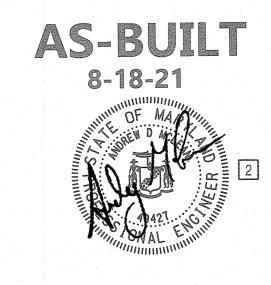




SEWER MANHOLES NORTHING EASTING TOPELEY. INV. IN INV. OUT TYPE 286.58 286.48 STANDARD

SEWER MANHOLES EASTING TOPELEV. INV. OUT TYPE 288.75 STANDARD 299.07 286.46 STANDARD 286.62 293.16

SEWER LINE RELOCATION PROFILE HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 5'



*REVISION 1 APPLIES TO THE SWM FACILITY CONTRACT D-1178 AND NOT SHOWN ON THIS CONTRACT

UT-3 OF 3

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

4th Floor Baltimore, Maryland 21202 (410) 662-7400



Bureau of Engineering
7125 Riverwood Drive, Suite B Columbia, Maryland 21046 (410) 313–2040



THURING THE	DES: HBH					
	DRN: MER					
					·	1
	CHK: ADM					
		ASS	2 *	AS-BUILT SURVEY	7/23/21	
	DATE: 11/26/19	BY	NO.	REVISION	DATE	E

WOODCREST DRIVE PRINCIPAL SPILLWAY REPLACEMENT AND WATER QUALITY RETROFIT PROJECT CAPITAL PROJECT #D-1178/#W8602 HOWARD COUNTY HSCD #: EP-18-020

CONTRACT NUMBER 10-5113

SEWER RELOCATION DETAILS AND PROFILE **ELECTION DISTRICT 1**

SCALE AS SHOWN SHEET <u>17</u> OF <u>17</u>