

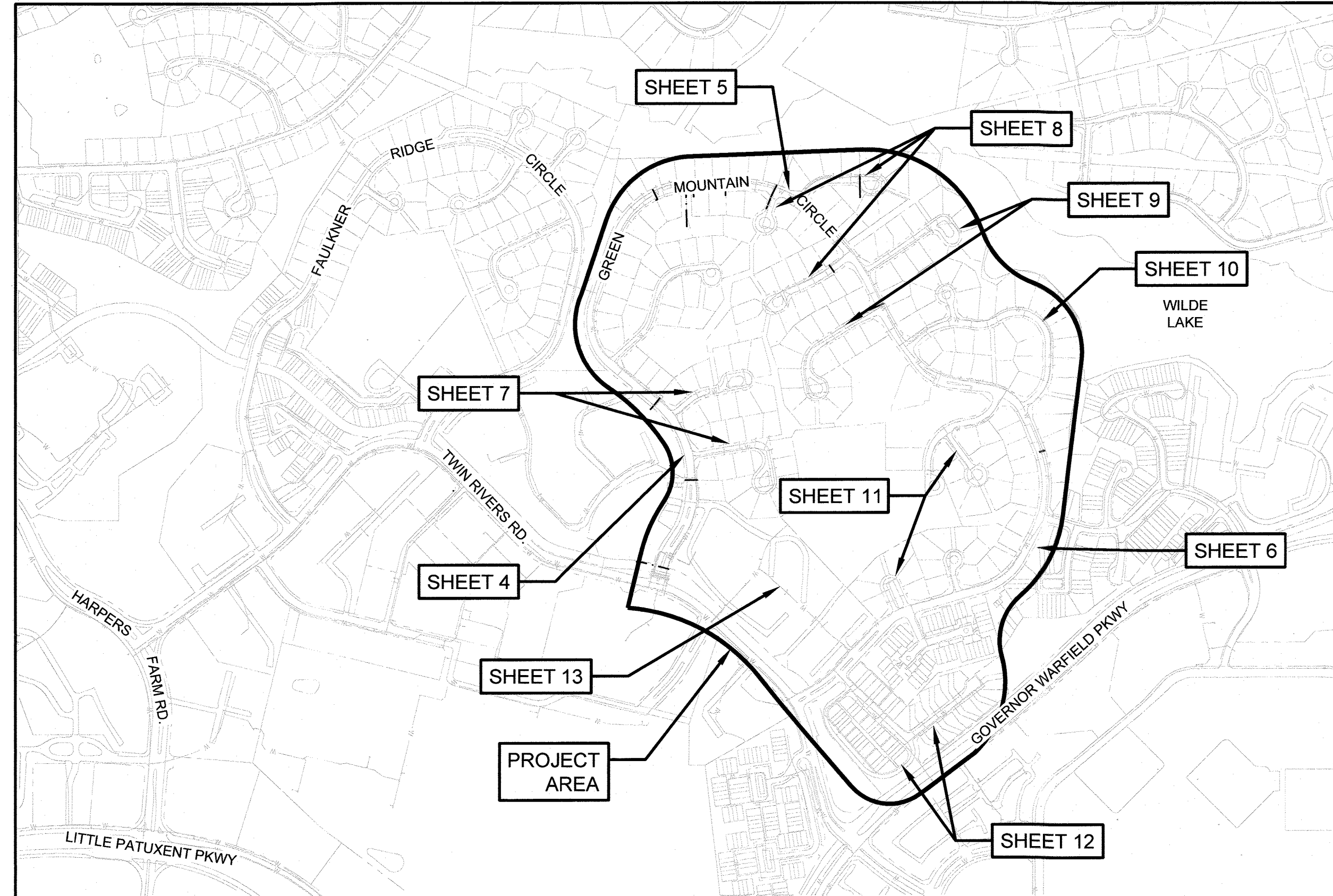
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WILDE LAKE 8-INCH WATER MAIN REPLACEMENT BRYANT WOODS

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

QUANTITIES					
ITEM	BID AMOUNT	UNIT	AS-BUILT AMOUNT	MATERIAL	SUPPLIER
8" WATER (PVC)	16,165	LF	15,955	PVC	NATIONAL PIPE AND PLASTIC, INC.
6" WATER (PVC)	507	LF	675	PVC	NATIONAL PIPE AND PLASTIC, INC.
4" WATER (PVC)	141	LF	284	PVC	NATIONAL PIPE AND PLASTIC, INC.
FIRE HYDRANT & 6" V (RSGV)	25	EA	30	DI	MUELLER CO
8" V (RSGV)	29	EA	36	DI	MUELLER CO
6" V (RSGV)	3	EA	4	DI	MUELLER CO
4" V (RSGV)	10	EA	10	DI	MUELLER CO
1" WATER HOUSE CONNECTION	6,914	LF	8,920	COPPER	MUELLER CO
1.5" WATER HOUSE CONNECTION	156	LF	250	COPPER	MUELLER CO
2" WATER HOUSE CONNECTION	118	LF	264	COPPER	MUELLER CO
TEMPORARY WATER SYSTEM	36,795	LF	2,265		

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WATER AND SEWER CODE FOR COUNTY USE ONLY:	
NO. OF WATER CONNECTIONS:	258
NO. OF SEWER CONNECTIONS:	N/A
DRAINAGE AREA:	-
TYPE OF BUILDING:	N/A
NO. OF PARCELS:	N/A

VICINITY MAP
SCALE: 1" = 500'

PURPOSE STATEMENT:

THIS PROJECT WAS PERFORMED TO REPLACE THE EXISTING, AGED WATER DISTRIBUTION MAINS ACROSS THE WILDE LAKE - BRYANT WOODS NEIGHBORHOOD WITH NEW WATER INFRASTRUCTURE. DUE TO THE HIGH CORROSION POTENTIAL IN THE AREA DUE TO STRAY CURRENTS, THE NEW WATER MAINS ARE C-900 PVC MAINS. INCLUDED WITH THIS PROJECT WAS THE REPLACEMENT OF ALL WATER SERVICE PIPING (IN THE PUBLIC RIGHT-OF-WAY) AND THE REPLACEMENT OF INDIVIDUAL WATER METERS.

WATER CONTRACTS BEING REPLACED (FULLY OR PARTIALLY) WITH THIS PROJECT INCLUDE: 0166, 0171, 0180, AND 0332.

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, BASED ON INFORMATION PROVIDED BY OTHERS, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.

O'BRIEN & GERE ENGINEERS, INC.
BY: *[Signature]* DATE: 10-15-21

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11/29/2021
CHIEF, UTILITY DESIGN DIVISION DATE

O'BRIEN & GERE
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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. 55452, EXPIRATION DATE 12/23/2021

[Signature]
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: P. WOLF			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS
	BY	NO.	REVISION
			DATE: 08/21

COVER SHEET

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

**WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS**

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

FILE NO. 69116-001

1:\HOWARD\CO_2243172085\WILDELAKE-WM-RDCS\DWG\SHEETS\89116-002.DWG

LEGEND
(PLAN AND PROFILE SHEETS)

- EP SIDEWALK
- PAVEMENT (EDGE)
- GRAVEL (EDGE)
- CONCRETE (EDGE)
- BUILDING
- CENTERLINE
- SHA THRU HIGHWAY RIGHT-OF-WAY
- PROPERTY LINE/RIGHT-OF-WAY
- EASEMENT
- GUARDRAIL
- FENCE (WOOD)
- FENCE IRON, RAIL
- FENCE(CHAINLINK)
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND CABLE LINE
- UNDERGROUND FIBER OPTIC LINE
- OVERHEAD UTILITIES
- EX. SANITARY SEWER
- STORM DRAIN
- EX. WATER MAIN
- PROPOSED WATER MAIN
- WL WETLANDS BOUNDARY
- WB WETLANDS BUFFER BOUNDARY
- G GAS
- DITCH
- STREAM
- WOODLINE
- BUSH
- RIP-RAP DITCH
- MILL AND OVERLAY
- SB# BORING LOCATION
- TP# TEST PIT LOCATION
- BM #
- O REBAR
- FLY FLY STATION
- ABANDON IN PLACE EX. WM
- ASPHALT PAVEMENT

ABBREVIATIONS:

- APPROX. APPROXIMATE
- ARV MH AIR RELEASE MANHOLE
- BE BURY ELEVATION
- BFV BUTTERFLY VALVE
- BGE BALTIMORE GAS & ELECTRIC
- BL BURY LENGTH
- BLDG. BUILDING
- BOT BOTTOM
- C&G CURB AND GUTTER
- CMP CORRUGATED METAL PIPE
- CONC. CONCRETE
- CONSTR. CONSTRUCTION
- CONTR. CONTRACT
- CPLG. COUPLING
- DEG. DEGREE
- DET OR DTL. DETAIL
- DIP DUCTILE IRON PIPE
- DR DRIVE
- E OR ELEC. ELECTRIC
- EA EACH
- ELEV. ELEVATION
- ESMT EASEMENT
- EX EXISTING
- FH FIRE HYDRANT
- FLG FLANGE
- FMV FLOW METER VAULT
- G GAS
- GCS GEODETIC CONTROL SYSTEM
- GV GATE VALVE
- HB HORIZONTAL BEND
- HD HIGH DEFLECTION
- HC HOWARD COUNTY
- HCR HORIZONTAL CURVE RADIUS
- HDP HORIZONTAL DEFLECTION POINT
- HDPPE HIGH DENSITY POLYETHYLENE
- HMA HOT MIX ASPHALT
- HORIZ. HORIZONTAL
- INV. INVERT
- JT JOINT
- LF LINEAR FOOT
- LOD LIMIT OF DISTURBANCE
- MAC MACADAM
- MBR MINIMUM BENDING RADIUS
- MD MARYLAND
- MH MANHOLE
- MIN. MINIMUM
- MJ MECHANICAL JOINT
- NIC NOT IN CONTRACT
- NO NUMBER
- PC POINT OF CURVE
- PCCP PRESTRESSED CONCRETE CYLINDER PIPE
- PE PLANE END
- PED PEDESTAL
- PO POST OFFICE OR PUSH ON
- PROPP. PROPOSED
- PT POINT OR POINT OF TANGENCY
- PVC PVC PIPE OR POINT OF VERTICAL CURVATURE
- PVD POINT OF VERTICAL DEFLECTION
- PVI POINT OF VERTICAL INTERSECTION
- PVMT PAVEMENT
- PVT POINT OF VERTICAL TANGENCY
- RW RIGHT OF WAY
- RAD OR R RADIUS
- REINF. CONC. PIPE
- RD ROAD
- REQD. REQUIRED
- RJ RESTRAINED JOINT
- ROW RIGHT-OF-WAY
- RSV RESILIENT SEAT GATE VALVE
- RSWV RESILIENT WEDGE GATE VALVE
- S SEWER
- SAN SANITARY
- SB SOIL BORING
- SD STORM DRAIN
- SHA STATE HIGHWAY ADMINISTRATION
- SHC SEWER HOUSE CONNECTION
- SHT SHEET
- S.S. STAINLESS STEEL
- STA STATION
- STD STANDARD
- TB RENO TO BE RENOVATED (FUTURE)
- TBR TO BE REMOVED (FUTURE)
- TELE TELEPHONE
- TEMP TEMPORARY
- TP TEST PIT
- TRANS TRANSFORMER
- UNF UTILITY NOT FOUND
- VB VERTICAL BEND
- VCR VERTICAL CURVE RADIUS
- VERT VERTICAL
- W WATER
- W WITH
- WHC WATER HOUSE CONNECTION
- WM WATER MAIN
- VV WATER VALVE

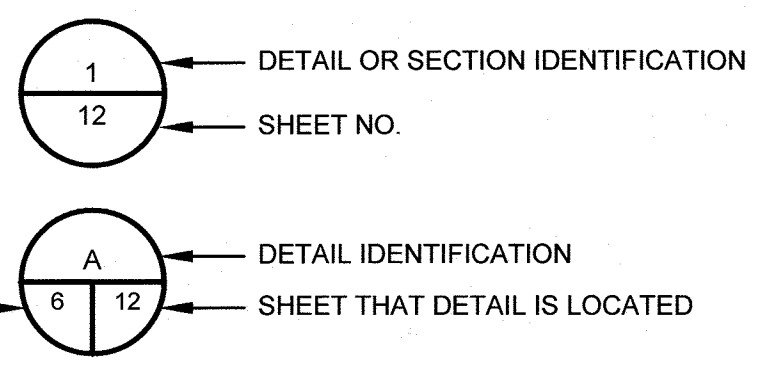
GENERAL NOTES:

- THE LOCATIONS AND STATIONING SHOWN FOR THE EXISTING MAINS, UTILITIES, AND SITE FEATURES ARE APPROXIMATE AND BASED ON THE BEST INFORMATION AVAILABLE DURING DESIGN DEVELOPMENT ACTIVITIES (COUNTY GIS, SITE RECONNAISSANCE, AND UTILITY RECORD DRAWINGS). THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS INCLUDING THE LOCATIONS AND DEPTHS OF ALL BURIED UTILITIES ALONG THE PROJECT CORRIDOR. CONTRACTOR IS ALSO NOTIFIED THAT OTHER BURIED UTILITIES MAY EXIST WITHIN THE WORK AREA THAT ARE NOT SHOWN ON THE PLANS.
- TOPOGRAPHIC FIELD SURVEYS AND SUBSURFACE UTILITY DESIGNATIONS WERE NOT PERFORMED AS PART OF THIS PROJECT.
- TEST PITS HAVE NOT BEEN PERFORMED AS PART OF THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR TEST FITTING (AS NECESSARY) EXISTING UTILITIES ALONG THE PROPOSED WORK CORRIDOR TO CONFIRM DEPTHS AND LOCATIONS OF BURIED UTILITIES. TEST PITTING ACTIVITIES SHALL BE PERFORMED A MINIMUM OF TWO WEEKS IN ADVANCE OF INITIATING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE THROUGHOUT PROJECT CONSTRUCTION. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL LOCATE ANY WATER AND OR SEWER CONNECTIONS, AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THESE EXISTING CONNECTIONS. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- EXISTING STORM DRAINS DISTURBED BY THE CONSTRUCTION SHALL BE REPLACED IN KIND AT THE SAME LINE AND GRADE AS THE EXISTING STORM DRAINS.
- CONSTRUCTION ACTIVITIES MAY REQUIRE THE BRACING OF UTILITY POLES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING BRACING OF POLES DIRECTLY WITH THE RESPECTIVE UTILITIES HAVING OWNERSHIP OF POLES. THE CONTRACTOR SHALL INCUR ALL COSTS ASSOCIATED WITH POLE BRACING REQUIRED AS PART OF THE CONTRACT.
- UNLESS OTHERWISE SPECIFIED OR DETAILED IN THE INVITATION TO BIDDERS, PROJECT PLANS, AND SPECIFICATIONS, THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION) SHALL GOVERN FOR ALL CONSTRUCTION DETAILS, MATERIALS, AND CONSTRUCTION METHODOLOGIES FOR THIS PROJECT. THE CONTRACTOR IS ALSO REQUIRED TO MAINTAIN A COPY OF VOLUME IV ON THE JOB SITE.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

AT&T.....	1-800-252-1133
BGE (CONTRACTOR SERVICES).....	410-637-8713
BGE (EMERGENCY).....	410-685-0123
BUREAU OF UTILITIES.....	410-313-4900
COLONIAL PIPELINE CO.....	410-795-1390
MISS UTILITY.....	1-800-257-7777
STATE HIGHWAY ADMINISTRATION.....	410-531-5533
VERIZON.....	1-800-743-0033
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT TREES AND SHRUBS LOCATED ALONG THE PROJECT CORRIDOR. THE COUNTY SHALL BE GIVEN ADVANCED NOTICE (MINIMUM FIVE DAYS) OF ANY TREES/SHRUBS THAT REQUIRE REMOVAL TO FACILITATE CONSTRUCTION ACTIVITIES. NO TREE OR SHRUB SHALL BE REMOVED BY THE CONTRACTOR UNTIL APPROVAL IS RECEIVED FROM THE COUNTY. PAYMENT FOR THE REMOVAL OF TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- ANY TREES, OUTSIDE OF EXISTING EASEMENTS, DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN KIND (3" CALIPER MINIMUM).
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-7450 AT LEAST FIVE (5) WORKING DAYS BEFORE OPEN CUTTING OR AUGER BORING 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.
- THE CONTRACTOR MUST FOLLOW ALL CONDITIONS AND REQUIREMENTS AS SET FORTH IN THE REQUIRED PERMITS FOR THIS PROJECT AND PROVIDED IN THE PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL HAVE A SET OF CONFORMED DOCUMENTS ON SITE AT ALL TIMES.
- TEMPORARY PAVING PATCH FOR UTILITY TRENCH REPAIR OF HMA PAVED ROADS AND DRIVEWAYS SHALL CONSIST OF 18-INCHES OF DAMPENED AND COMPACTED NO. 57 AGGREGATE SUB-BASE OVERLAYED WITH 2-INCHES OF HMA BASE COURSE PLACED FLUSH WITH THE ADJOINING PAVEMENT SURFACE. REFILL ALL DEPRESSIONS AND SETTLEMENT (AS THEY DEVELOP) WITH THE SPECIFIED MATERIALS. PRIOR TO RECOMPACT, AND TACK COAT THE REMAINING 12-INCH MINIMUM NO. 57 AGGREGATE SUB-BASE, AND REPAVE THE UTILITY TRENCH (AND WHERE REQUIRED, THE REMAINING PORTION OF THE TRAVEL LANE) ALL IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAIL G4.01. THE HMA MATERIALS SHALL MEET THE TYPICAL SUPERPAVE MIX SPECIFIED IN HOWARD COUNTY STANDARD DETAIL R2.01, PG 64-22, LEVEL 1 (EASL).
- THE CONTRACTOR SHALL PROVIDE SURVEY CONSTRUCTION STAKEOUT FOR ALL NECESSARY LINES, GRADES AND ELEVATIONS OF THE PROPOSED FACILITIES.
- NO WATER SHALL BE DISCHARGED FROM THE EXISTING WATER MAIN TO THE ENVIRONMENT WITHOUT FIRST DECHLORINATING. THE CONTRACTOR SHALL SUBMIT THE DECHLORINATION METHOD TO THE OWNER AND ITS ENGINEER FOR REVIEW.

WATER MAIN INSTALLATION NOTES:

- THE INTENTION OF THIS PROJECT IS FOR THE "IN KIND" REPLACEMENT OF THE EXISTING WATER MAINS ALONG THE EXISTING HORIZONTAL AND VERTICAL ALIGNMENTS. THE CONTRACTOR SHALL INFORM THE OWNER OF INSTANCES WHERE THE EXISTING ALIGNMENT DOES NOT ACHIEVE A MINIMUM OF 3'-6" OF COVER OR MEET THE CLEARANCE REQUIREMENTS WITH OTHER UTILITIES AS DICTATED BY THE HOWARD COUNTY DESIGN MANUAL VOLUME 4.
- IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME 4 - ALL CROSSINGS OF THE NEW WATER MAIN WITH EXISTING SANITARY OR STORM SEWER PIPING (RESULTING IN LESS THAN 18" OF SEPARATION) SHALL BE ACCOMPLISHED BY CENTERING A FULL LENGTH OF NEW WATER MAIN PIPING AT THE CROSSING TO MAXIMIZE THE DISTANCE OF ANY WATER MAIN JOINT FROM THE CROSSING.
- PIPE TRENCHING AND PAVEMENT REPLACEMENT SHALL BE PERFORMED IN ACCORDANCE HOWARD COUNTY STANDARDS, INCLUDING STANDARD DETAIL G2.12, "PIPE TRENCH PLASTIC AND COPPER" AND STANDARD DETAILS G4.01, "UTILITY TRENCH ROADWAY REPAVING", RESPECTIVELY.
- ALL NEW WATER MAINS SHALL BE PVC C900, PRESSURE CLASS 305 (DR 14).
- ALL HYDRANTS, MAINLINE GATE VALVES, WATER SERVICE VALVES, PIPING, AND SIMILAR (FOR BOTH PERMANENT AND TEMPORARY INSTALLATIONS) SHALL BE RATED FOR A MINIMUM OPERATING PRESSURE OF 250 PSI.
- PIPE TEST PRESSURE SHALL BE IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATION SECTION 1006.02. THE PIPELINE DESIGN IS IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATION SECTION 1002. CONCRETE THRUST RESTRAINT SHALL BE INSTALLED WHEN MECHANICAL JOINT SYSTEM CANNOT PROVIDE NECESSARY RESTRAINT. CONCRETE THRUST RESTRAINT SHALL BE INSTALLED IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAILS W2.21, W2.22, AND W2.23.
- FOR PVC WATER MAINS, ALL RECORDS FOR THE QUALITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.1 OF THE AWWA STANDARD C900 FOR PVC PRESSURE PIPE SHALL BE SUBMITTED WITH THE PIPE MATERIAL CERTIFICATIONS OR SHOP DRAWINGS PRIOR TO APPROVAL OF THE MATERIAL FOR USE. THE TEST RECORDS SHALL BE FOR THE PIPE INSTALLED UNDER THIS CONTRACT. ALL PVC PIPE SHALL CONTAIN MARKINGS TO ALLOW CROSS REFERENCING OF THE PIPE SUPPLIED TO THE TEST RECORDS RECEIVED.
- ALL TIE-INS TO EXISTING WATER MAINS SHALL BE COORDINATED WITH THE HOWARD COUNTY BUREAU OF UTILITIES AT LEAST TEN (10) WORKING DAYS PRIOR TO SCHEDULING WORK. THE SUGGESTED LOCATIONS FOR ISOLATION, ALONG WITH A SUGGESTED SEQUENCE OF CONSTRUCTION, ARE CONTAINED HEREIN. HOWEVER, A DETAILED PLAN FOR SHUTDOWN OF EXISTING WATER MAINS SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE COUNTY.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- PVC WATER MAINS SHALL BE ALLOWED TO CHANGE VERTICAL OR HORIZONTAL DIRECTION ONLY AT 5-DEGREE SWEEPS OR STANDARD BENDS. DEFLECTIONS MADE AT STANDARD PIPE JOINTS AND/OR PIPE LENGTHS BENT TO ACHIEVE CURVATURE OF THE WATER MAIN SHALL NOT BE ALLOWED UNDER ANY CIRCUMSTANCES.
- THE SOIL AROUND 5-DEGREE SWEEPS SHALL BE BEDDED AND THOROUGHLY COMPACTED IN ACCORDANCE WITH SECTION 1000.03.07 OF THE HOWARD COUNTY VOLUME IV DESIGN MANUAL STANDARD SPECIFICATIONS OR SHALL BE RESTRAINED TO THE ADJOINING PIPE.
- FIVE (5) DEGREE BENDS SHALL BE ACCOMPLISHED USING SWEEPS, WHICH SHALL BE THE PVC PUSH-ON TYPE WITH RUBBER GASKETED JOINTS APPROPRIATE FOR PVC C900 WATER MAIN PIPE (FABRICATED PER AWWA C900 FOR PRESSURE CLASS 305 PVC PIPE).
- TEES, CROSSES, CAPS, BENDS GREATER THAN 5-DEGREES, AND SIMILAR FITTINGS THAT REQUIRE RESTRAINED JOINTS SHALL BE DUCTILE IRON MECHANICAL JOINT (AWWA C153) FITTINGS APPROPRIATE FOR PVC C900 WATER MAIN PIPE. ALL DUCTILE IRON FITTINGS SHALL BE FUSION BONDED EPOXY INSIDE AND OUTSIDE.
- PIPE RESTRAINT SHALL BE PROVIDED IN THE FOLLOWING MANNER USING SYSTEMS MANUFACTURED BY EBAA IRON, INC. OR APPROVED EQUAL:
 - A. ALL DUCTILE IRON MECHANICAL JOINT FITTINGS (INCLUDING MECHANICAL JOINT HYDRANT CONNECTIONS) SHALL BE RESTRAINED USING THE SERIES 2000 PVC MECHANICAL JOINT FITTING RESTRAINT SYSTEM.
 - B. ALL FIVE (5) DEGREE SWEEPS SHALL BE RESTRAINED USING THE SERIES 1900 PVC FITTING HARNESSING SYSTEM.
 - C. PUSH-ON BELL AND SPIGOT PIPE JOINTS SHALL BE RESTRAINED USING THE SERIES 1900 PVC FITTING HARNESSING SYSTEM.
- INSTALL CONCRETE ANCHOR COLLARS WHEN RESTRAINED JOINT SYSTEM DOES NOT PROVIDE NECESSARY RESTRAINT AND SUFFICIENT ROOM EXISTS (AS DETERMINED BY THE ENGINEER). INSTALL CONCRETE BUTTRESSING AT ALL FITTINGS/DEFLECTIONS GREATER THAN 5-DEGREES, TEES, CAPS, HORIZONTAL AND VERTICAL BENDS, AND HYDRANT INSTALLATIONS SHOWN WITH OR WITHOUT HARNESSING RESTRAINT PER HOWARD COUNTY DETAILS W2.21, W2.22, AND W2.23.
- MAINLINE VALVES SHALL BE STRAPPED TO ADJACENT TEES OR CROSSES PER HOWARD COUNTY STANDARD DETAIL W2.13. MAINLINE VALVES WITH ARE NOT SHOWN ADJACENT TO TEES OR CROSSES SHALL BE ANCHORED TO A CONCRETE BLOCK IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAILS W5.01. VALVES ON HYDRANT LEADS SHALL BE RESTRAINED USING THE SERIES 2000 PVC M.J. FITTING RESTRAINT SYSTEM BY EBAA IRON, INC. OR APPROVED EQUAL.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATION (TO THE NEAREST 6" INCREMENT THAT PLACES THE HYDRANT BREAKAWAY FLANGE AT OR ABOVE GRADE). 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 SECTION 1005 OF THE STANDARD SPECIFICATIONS. FIRE HYDRANTS SHALL BE INSTALLED PER HOWARD COUNTY STANDARD DETAILS W1.11 AND W1.12.
- DUCTILE IRON FITTINGS, VALVES, HYDRANTS AND ALL OTHER NON-PVC SYSTEM APPURTENANCES SHALL HAVE CORROSION PROTECTION MEASURES INSTALLED PER HOWARD COUNTY STANDARD CORROSION CONTROL DETAILS. TEST STATIONS SHALL NOT BE SET IN ROADWAYS. TEST STATION LOCATIONS TO BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.
- CONTINUITY TEST STATIONS SHALL BE PLACED ADJACENT TO EACH FIRE HYDRANT. REFER TO THE HOWARD COUNTY STANDARD FIRE HYDRANT CONTINUITY TEST STATION DETAIL W1.15.
- TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ALONG THE LENGTH OF ALL NEW PIPE INSTALLED, REGARDLESS OF MATERIAL.
- ANY SECTIONS OF THE EXISTING WATER MAINS REMOVED AS PART OF THIS PROJECT SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/5/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 10/29/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 10/29/2021
CHIEF, UTILITY DESIGN DIVISION DATE

O BRIEN & GERE

4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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. 55452, EXPIRATION DATE 12/23/2021

[Signature]
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE					
DRN. BY: P. WOLF					
CHK. BY: J. CONTI					
DATE: 04/18	JPC	0	RECORD DRAWINGS	08/21	
	BY	NO.	REVISION	DATE	

LEGEND, ABBREVIATIONS, GENERAL NOTES	
600' SCALE MAP NO. 30	BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 2 OF 37

FILE NO. 69116-002

WILDE LAKE WATER HOUSE CONNECTIONS							
ADDRESS	EXISTING CONNECTION SIZE	NEW CONNECTION SIZE	CONNECTION LENGTH	MATERIAL	METER TYPE	METER SIZE	NEW METER SIZE
5405 BLUE HERON LANE	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
5409 BLUE HERON LANE	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
5450 BLUE HERON LANE	6"	6"	AS SHOWN ON PLANS	CI	N/A	3"	3"
10517 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10518 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10521 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10522 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10525 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10526 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10533 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10537 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10540 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10541 CATTERSKILL CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	N/A	5/8"	3/4"
10359 CULLEN TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10360 CULLEN TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10363 CULLEN TER	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10364 CULLEN TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10367 CULLEN TER	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	N/A	ASSUME 3/4"
10368 CULLEN TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10725 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10726 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10729 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10730 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10733 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10734 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10737 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10741 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10747 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10750 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10751 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10754 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10755 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10758 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10759 EVENING WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10473 GRAY OWL GARTH	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10474 GRAY OWL GARTH	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10477 GRAY OWL GARTH	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10478 GRAY OWL GARTH	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
5001-5005 GREEN MOUNTAIN CIR	3"	4"	AS SHOWN ON PLANS	CAST IRON	SINGLE	2"	2"
5007-5011 GREEN MOUNTAIN CIR	3"	4"	AS SHOWN ON PLANS	CAST IRON	SINGLE	2"	2"
5013-5017 GREEN MOUNTAIN CIR	3"	4"	AS SHOWN ON PLANS	CAST IRON	SINGLE	2"	2"
5019-5023 GREEN MOUNTAIN CIR	3"	4"	AS SHOWN ON PLANS	CAST IRON	SINGLE	2"	2"
5025-5029 GREEN MOUNTAIN CIR	3"	4"	AS SHOWN ON PLANS	CAST IRON	SINGLE	2"	2"
5031-5035 GREEN MOUNTAIN CIR	3"	4"	AS SHOWN ON PLANS	CAST IRON	SINGLE	2"	2"
5037-5041 GREEN MOUNTAIN CIR	3"	4"	AS SHOWN ON PLANS	CAST IRON	SINGLE	2"	2"
5531-5535 GREEN MOUNTAIN CIR	3"	4"	AS SHOWN ON PLANS	CAST IRON	SINGLE	2"	2"
5537-5541 GREEN MOUNTAIN CIR	3"	4"	AS SHOWN ON PLANS	CAST IRON	SINGLE	2"	2"
10380-10386 GREEN MOUNTAIN CIR	1"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
10383 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10387 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10391 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10395 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10399 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10405 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10409 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10410 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10413 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10417 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10418 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10421 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10422 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10425 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10438 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10442 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10446 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10449 GREEN MOUNTAIN CIR	2"	2"	AS SHOWN ON PLANS	COPPER	SINGLE	2"	2"
10450 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10453 GREEN MOUNTAIN CIR	2"	2"	AS SHOWN ON PLANS	COPPER	SINGLE	2"	2"
10502 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10506 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10510 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10514 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"

WILDE LAKE WATER HOUSE CONNECTIONS							
ADDRESS	EXISTING CONNECTION SIZE	NEW CONNECTION SIZE	CONNECTION LENGTH	MATERIAL	METER TYPE	METER SIZE	NEW METER SIZE
10522 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10529 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10530 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10533 GREEN MOUNTAIN CIR	N/A	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10534 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10537 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10538 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10601 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10610 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10613 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10614 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10617 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10618 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10621 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10622 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10625 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10626 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10629 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10630 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10633 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10634 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10637 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10638 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10641 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10642 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10645 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10646 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10651 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10655 GREEN MOUNTAIN CIR	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10659 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10663 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10667 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10671 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10701 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10705 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10709 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10737 GREEN MOUNTAIN CIR	N/A	ASSUME 1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10832-48 GREEN MOUNTAIN CIR	N/A	ASSUME 1 1/2"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	2"	2"
10852-10854 GREEN MOUNTAIN CIR	1"	1"	AS SHOWN ON PLANS	COPPER	N/A	5/8"	3/4"
10856-10858 GREEN MOUNTAIN CIR	1"	1"	AS SHOWN ON PLANS	COPPER	N/A	5/8"	3/4"
10365-10367 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
10366-10368 MAY WIND CT	1"	1"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	3/4"
10369-10371 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
10370-10372 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	3/4"
10374-10376 MAY WIND CT	1"	1"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	3/4"
10375-10377 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
10379-10381 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
10383 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10384 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10386-10388 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	3/4"
10390-10392 MAY WIND CT	1 1/2"	1 1/2"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	1"
10389-10391 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	3/4"
10393-10395 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	3/4"
10397 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10398-10400 MAY WIND CT	1 1/2"	1 1/2"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	1"
10402-10404 MAY WIND CT	1 1/2"	1 1/2"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	1"
10403 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10405, 10407 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
10409-10411 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
10406-10408 MAY WIND CT	1 1/2"	1 1/2"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	1"
10413-10415 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	3/4"
10419-10421 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	3/4"
10423-10425 MAY WIND CT	3/4"	1"	AS SHOWN ON PLANS	COPPER	DOUBLE	5/8"	3/4"
10713 MID SUMMER LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10714 MID SUMMER LN	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10717 MID SUMMER LN	3/4"	1"	37'	ASSUME COPPER	SINGLE	5/8"	3/4"
10718 MID SUMMER LN	3/4"	1"	14'	COPPER	SINGLE	5/8"	3/4"
10721 MID SUMMER LN	3/4"	1"	33'	ASSUME COPPER	SINGLE	5/8"	3/4"
10722 MID SUMMER LN	3/4"	1"	20'	COPPER	SINGLE	5/8"	3/4"
10725 MID SUMMER LN	3/4"	1"	31'	ASSUME COPPER	SINGLE	5/8"	3/4"
10729 MID SUMMER LN	3/4"	1"	79'	COPPER	SINGLE	5/8"	3/4"
10730 MID SUMMER LN	3/4"	1"	22'	ASSUME COPPER	SINGLE	5/8"	3/4"

REMOVED FROM CONTRACT

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
 DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/5/2021
 CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11/8/2021
 CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 10/21/2021
 CHIEF, UTILITY DESIGN DIVISION DATE

G O'BRIEN & GERE

4201 MITCHELLVILLE ROAD
 SUITE 500
 BOWIE, MD 20716
 PHONE: 301-731-5622

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. 55452, EXPIRATION DATE 12/23/2021

[Seal]

DSN. BY: C. PEARCE

DRN. BY: P. WOLF

CHK. BY: J. CONTI

DATE: 04/18

JPC 0
 BY NO.

RECORD DRAWINGS 08/21

REVISION

WATER HOUSE CONNECTION TABLE

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

RECORD DRAWINGS

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
 BRYANT WOODS

CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 3 OF 37

FILE NO. 69116-003

IN:HOWARD-CC-294972886 WILDE LAKE-WM-RDCCS.DWG(SHEET 19 OF 24) DWG

WILDE LAKE WATER HOUSE CONNECTIONS							
ADDRESS	EXISTING CONNECTION SIZE	NEW CONNECTION SIZE	CONNECTION LENGTH	MATERIAL	METER TYPE	METER SIZE	NEW METER SIZE
10733 MID SUMMER LN	3/4"	1"	81'	COPPER	SINGLE	5/8"	3/4"
10734 MID SUMMER LN	3/4"	1"	48'	COPPER	SINGLE	5/8"	3/4"
10737 MID SUMMER LN	3/4"	1"	55'	COPPER	SINGLE	5/8"	3/4"
10521 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	N/A	5/8"	3/4"
10525 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10526 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10529 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10530 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10533 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10534 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10537 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10538 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10541 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10545 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10546 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10550 MORNING WIND LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10605 NEW MOON PL	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10606 NEW MOON PL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10609 NEW MOON PL	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5609-5611 OPEN SKY	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5613-5615 OPEN SKY	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5617-5619 OPEN SKY	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5625-5627 OPEN SKY	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5629-5631 OPEN SKY	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5633 OPEN SKY	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5639-5641 OPEN SKY	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5643-5645 OPEN SKY	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
10471 PAINTED CUP	3/4"	1"	17'	ASSUME COPPER	SINGLE	5/8"	3/4"
10372 PAINTED CUP	3/4"	1"	31'	ASSUME COPPER	SINGLE	5/8"	3/4"
10375 PAINTED CUP	3/4"	1"	24'	COPPER	SINGLE	5/8"	3/4"
10376 PAINTED CUP	3/4"	1"	18'	ILLEGIBLE	SINGLE	5/8"	3/4"
10379 PAINTED CUP	3/4"	1"	27'	ASSUME COPPER	SINGLE	5/8"	3/4"
10380 PAINTED CUP	3/4"	1"	36'	ASSUME COPPER	SINGLE	5/8"	3/4"
10383 PAINTED CUP	3/4"	1"	20'	ASSUME COPPER	SINGLE	5/8"	3/4"
10537 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10541 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10545 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10548 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10551 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10552 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10555 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10559 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10560 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10563 RIVULET ROW	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
5605-5607 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5609 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5612-5614 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5615-5617 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5616-5618 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5619 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5624-5626 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5625-5627 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5628-5630 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5629 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5632 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5638-5640 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5642 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5644 THICKET LANE & 5651 OPEN SKY	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5655 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5656 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5657-5659 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5658-5660 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5665-5669 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5666 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5668-5670 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5671 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5676 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5677 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"

REMOVED FROM CONTRACT

REMOVED FROM CONTRACT

WILDE LAKE WATER HOUSE CONNECTIONS							
ADDRESS	EXISTING CONNECTION SIZE	NEW CONNECTION SIZE	CONNECTION LENGTH	MATERIAL	METER TYPE	METER SIZE	NEW METER SIZE
5678-5680 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5679-5681 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5686 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5688-5690 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
5694 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5696-5698 THICKET LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	DOUBLE	5/8"	3/4"
10426 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10433 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10434 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10437 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10438 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10441 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10442 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10446 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10450 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10454 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10457 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10458 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10461 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10462 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10465 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10469 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10470 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	3/4"	3/4"
10477 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10481 WATERFOWL TER	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
5410 WILD TURKEY LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5413 WILD TURKEY LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5414 WILD TURKEY LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
5417 WILD TURKEY LANE	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	N/A	5/8"	3/4"
5418 WILD TURKEY LANE	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
5421 WILD TURKEY LANE	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
5422 WILD TURKEY LANE	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10505 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10506 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10509 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10510 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10513 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10514 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10518 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10519 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	ASSUME COPPER	SINGLE	5/8"	3/4"
10522 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10526 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10527 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10530 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10533 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10534 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10537 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10538 WILLIAM TELL LN	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10675 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10679 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10680 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10683 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10687 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10690 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10691 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10695 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10696 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10699 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10700 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10703 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10704 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"
10707 RAIN DREAM HILL	3/4"	1"	AS SHOWN ON PLANS	COPPER	SINGLE	5/8"	3/4"

RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

M. J. ... 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

J. ... 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

J. ... 11/4/2021
CHIEF, BUREAU OF ENGINEERING DATE

J. ... 10/29/2021
CHIEF, UTILITY DESIGN DIVISION DATE

O BRIEN & GERE
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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. 85452, EXPIRATION DATE 12/23/2021

J. Conti
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE					
DRN. BY: P. WOLF					
CHK. BY: J. CONTI					
DATE: 04/18	JPC	0	RECORD DRAWINGS	08/21	
	BY	NO.	REVISION	DATE	

WATER HOUSE CONNECTION TABLE

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

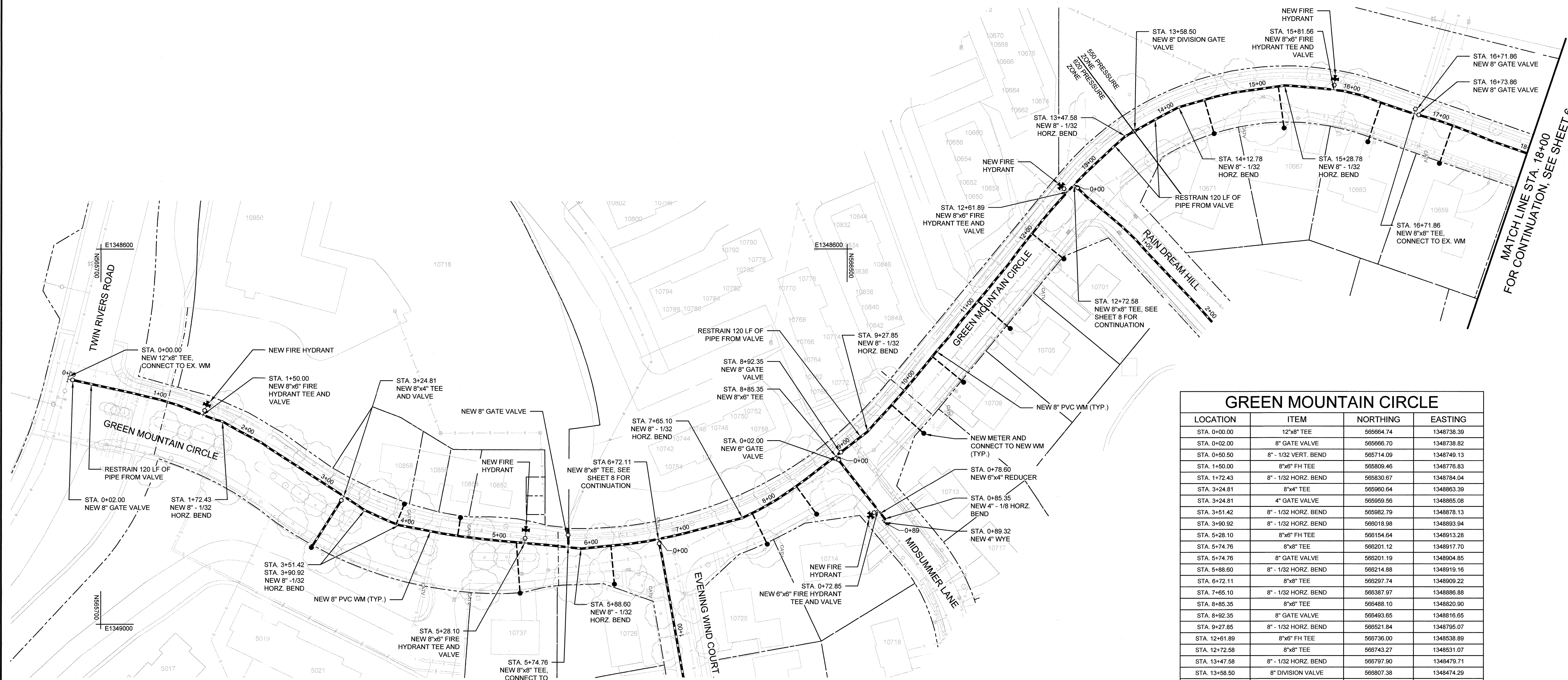
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 4 OF 37

FILE NO. 69116-004



GREEN MOUNTAIN CIRCLE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+00.00	12"x8" TEE	565664.74	1348738.39
STA. 0+02.00	8" GATE VALVE	565666.70	1348738.82
STA. 0+50.50	8" - 1/32 VERT. BEND	565714.09	1348749.13
STA. 1+50.00	8"x6" FH TEE	565809.46	1348776.83
STA. 1+72.43	8" - 1/32 HORZ. BEND	565830.67	1348784.04
STA. 3+24.81	8"x4" TEE	565960.64	1348863.39
STA. 3+24.81	4" GATE VALVE	565959.56	1348865.08
STA. 3+51.42	8" - 1/32 HORZ. BEND	565982.79	1348878.13
STA. 3+90.92	8" - 1/32 HORZ. BEND	566018.98	1348893.94
STA. 5+28.10	8"x6" FH TEE	566154.64	1348913.28
STA. 5+74.76	8"x8" TEE	566201.12	1348917.70
STA. 5+74.76	8" GATE VALVE	566201.19	1348904.85
STA. 5+86.60	8" - 1/32 HORZ. BEND	566214.88	1348919.16
STA. 6+72.11	8"x8" TEE	566297.74	1348909.22
STA. 7+65.10	8" - 1/32 HORZ. BEND	566387.97	1348886.88
STA. 8+85.35	8"x6" TEE	566488.10	1348820.90
STA. 8+92.35	8" GATE VALVE	566493.65	1348816.65
STA. 9+27.85	8" - 1/32 HORZ. BEND	566521.84	1348795.07
STA. 12+61.89	8"x6" FH TEE	566736.00	1348538.89
STA. 12+72.58	8"x8" TEE	566743.27	1348531.07
STA. 13+47.58	8" - 1/32 HORZ. BEND	566797.90	1348479.71
STA. 13+58.50	8" DIVISION VALVE	566807.38	1348474.29
STA. 14+12.78	8" - 1/32 HORZ. BEND	566855.17	1348448.56
STA. 15+28.78	8" - 1/32 HORZ. BEND	566968.61	1348425.45
STA. 15+81.56	8"x6" FH TEE	567021.17	1348430.10
STA. 16+71.86	8"x8" TEE	567107.55	1348455.57
STA. 16+71.86	8" GATE VALVE	567108.10	1348453.85
STA. 16+73.86	8" GATE VALVE	567109.47	1348456.12

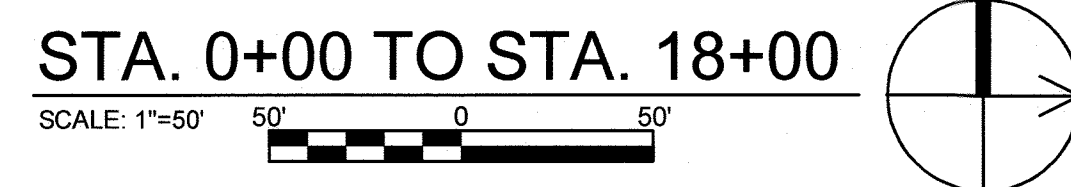
MIDSUMMER LANE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	6" GATE VALVE	566489.31	1348822.49
STA. 0+72.85	6"x6" FH TEE	566533.13	1348878.17
STA. 0+78.60	6"x4" REDUCER	566536.70	1348882.67
STA. 0+85.35	4" - 1/8 HORZ. BEND	566540.90	1348887.96
STA. 0+89.32	4" WYE	566540.44	1348891.90

GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES ALONG THE PROJECT CORRIDOR PRIOR TO INSTALLING THE NEW WATER MAIN. MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING CONSTRUCTION ACTIVITIES SHALL NOT CONSTITUTE JUSTIFICATION FOR DELAYS, DAMAGES, OR CLAIMS AGAINST THE COUNTY. THE CONTRACTOR SHALL HAVE NO RECOURSE AGAINST THE COUNTY FOR MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING PROJECT CONSTRUCTION.
2. PROPERTY LINES SHOWN ON THIS SHEET ARE APPROXIMATE.
3. GATE VALVES ADJACENT TO A TEE SHALL BE REPLACED WITHIN 27" OF THE TEE AND SHALL BE RESTRAINED PER STANDARD DETAIL W-2.13.

NOTE

STA. 0+00 TO STA. 13+50: NEW WATER MAIN TO BE INSTALLED IN SEPARATE TRENCH PARALLEL TO THE EXISTING MAIN DUE TO IDENTIFIED TREE AND CURB CONFLICTS. EXISTING UTILITIES SHOWN ON THE PLANS WERE BASED ON THE BEST INFORMATION AVAILABLE DURING PROJECT DESIGN AND DOESN'T GUARANTEE THAT THE PROPOSED LOCATION OF THE NEW MAIN IS CLEAR OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES ALONG THE ALIGNMENT OF THE NEW WATER MAIN PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. CONFLICTS IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER ONCE IDENTIFIED. PIPELINE INSTALLATION WILL BE REQUIRED TO ADHERE TO HOWARD COUNTY STANDARD DESIGN MANUAL. ONCE UTILITIES ARE CLEARED, THE ALIGNMENT OF THE NEW MAIN WILL BE CONFIRMED WITH THE OWNER.



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 10/21/2021
CHIEF, UTILITY DESIGN DIVISION DATE

G O BRIEN & GERE
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 55452, EXPIRATION DATE 12/23/2021

[Signature]
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: P. WOLF			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT
STA. 0+00 TO STA. 18+00

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

RECORD DRAWINGS

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

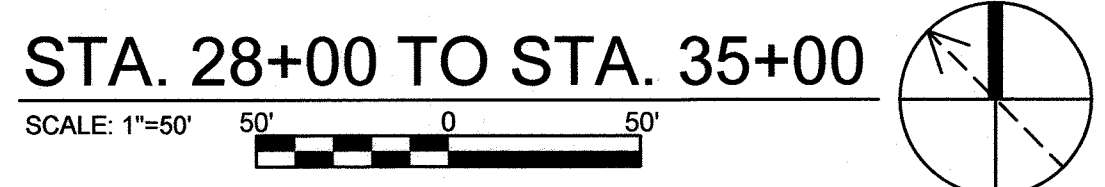
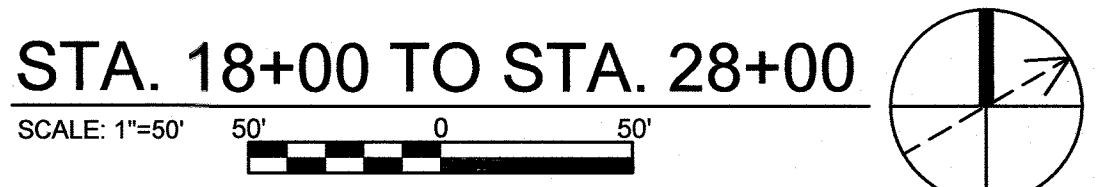
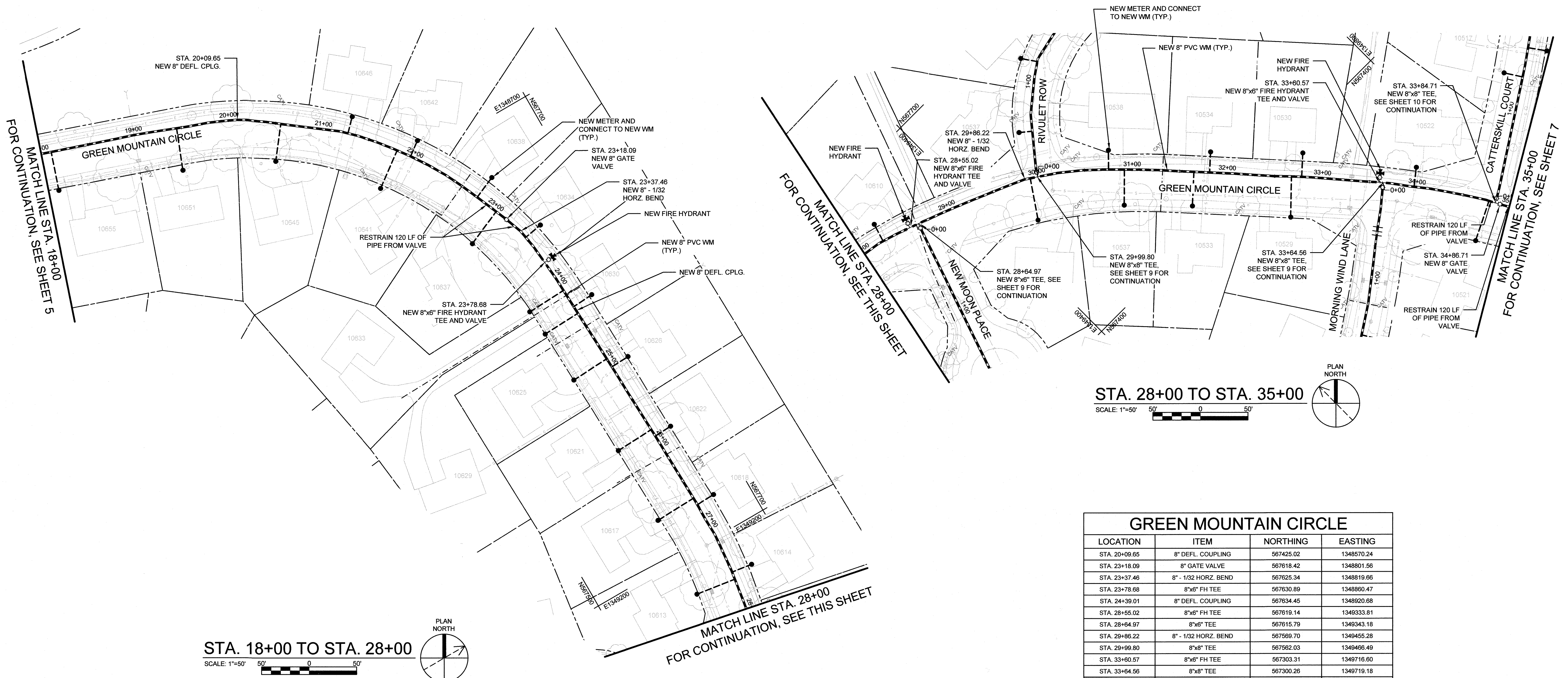
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 5 OF 37

FILE NO. 69116-005

I:\HOWARD\CD 294372085 WILDE LAKE WM RDC\CDSDWG\SHEETS\69116-006.DWG



GREEN MOUNTAIN CIRCLE			
LOCATION	ITEM	NORTHING	EASTING
STA. 20+09.65	8" DEFL. COUPLING	567425.02	1348570.24
STA. 23+18.09	8" GATE VALVE	567618.42	1348801.56
STA. 23+37.46	8" - 1/32 HORZ. BEND	567625.34	1348819.66
STA. 23+78.68	8"x6" FH TEE	567630.89	1348890.47
STA. 24+39.01	8" DEFL. COUPLING	567634.45	1348920.68
STA. 28+55.02	8"x6" FH TEE	567619.14	1349333.81
STA. 28+64.97	8"x6" TEE	567615.79	1349343.18
STA. 29+86.22	8" - 1/32 HORZ. BEND	567569.70	1349455.28
STA. 29+99.80	8"x8" TEE	567562.03	1349466.49
STA. 33+60.57	8"x6" FH TEE	567303.31	1349716.60
STA. 33+64.56	8"x8" TEE	567300.26	1349719.18
STA. 34+84.71	8"x8" TEE	567201.75	1349787.64
STA. 34+86.71	8" GATE VALVE	567199.97	1349788.57

- GENERAL NOTES:
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES ALONG THE PROJECT CORRIDOR PRIOR TO INSTALLING THE NEW WATER MAIN. MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING CONSTRUCTION ACTIVITIES SHALL NOT CONSTITUTE JUSTIFICATION FOR DELAYS, DAMAGES, OR CLAIMS AGAINST THE COUNTY. THE CONTRACTOR SHALL HAVE NO RECOURSE AGAINST THE COUNTY FOR MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING PROJECT CONSTRUCTION.
 - PROPERTY LINES SHOWN ON THIS SHEET ARE APPROXIMATE.
 - GATE VALVES ADJACENT TO A TEE SHALL BE REPLACED WITHIN 27" OF THE TEE AND SHALL BE RESTRAINED PER STANDARD DETAIL W-2.13.

RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 10/21/2021
CHIEF, UTILITY DESIGN DIVISION DATE

G OBRIEN & GERE

4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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. 55452, EXPIRATION DATE 12/23/2021

[Signature]
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: P. WOLF			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS
	BY	NO.	REVISION
			DATE: 08/21

GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT
STA. 18+00 TO STA. 35+00

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

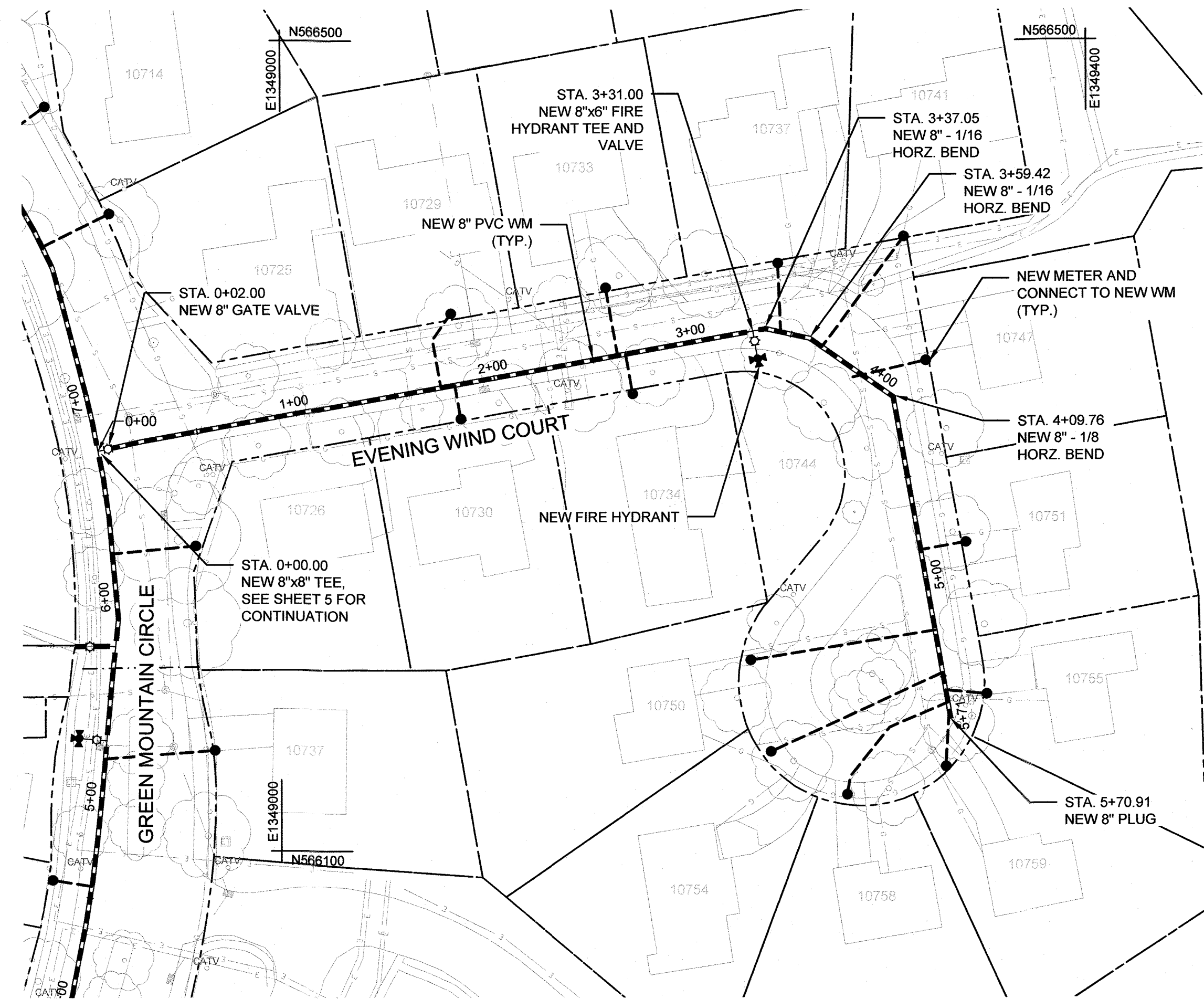
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 6 OF 37

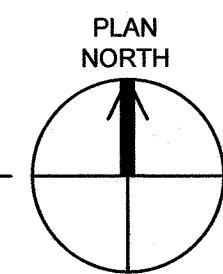
FILE NO. 69116-006

EVENING WIND COURT			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	566298.16	1348911.18
STA. 3+31.00	8"x6" FH TEE	566356.45	1349234.96
STA. 3+37.05	8" - 1/16 HORZ. BEND	566357.51	1349240.92
STA. 3+59.42	8" - 1/16 HORZ. BEND	566352.70	1349262.76
STA. 4+09.76	8" - 1/8 HORZ. BEND	566323.89	1349304.05
STA. 5+70.91	8" CAP	566165.24	1349332.28



EVENING WIND COURT

SCALE: 1"=50'

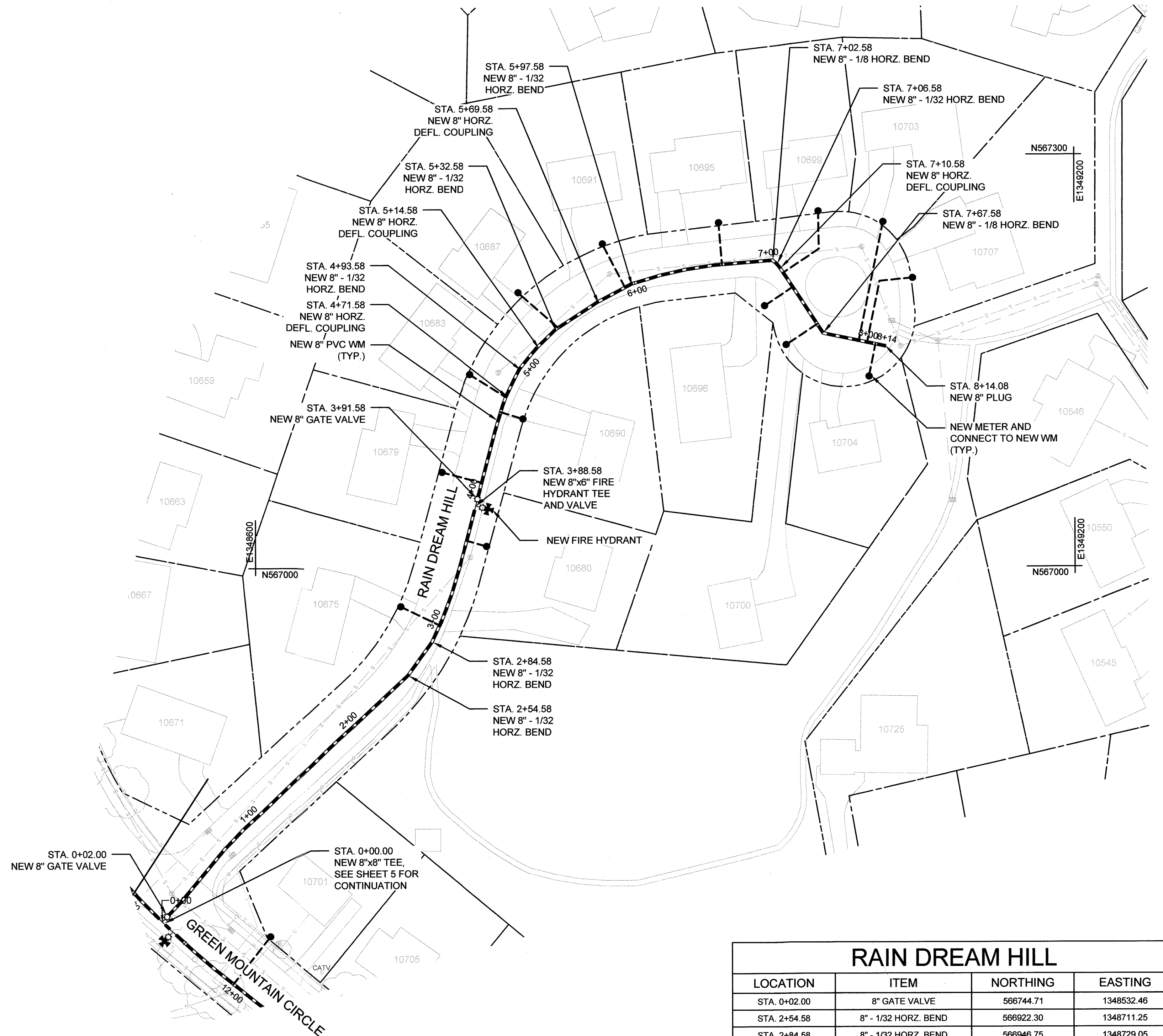


NOTE

STA. 2+60 TO STA. 3+50: NEW WATER MAIN TO BE INSTALLED IN SEPARATE TRENCH PARALLEL TO THE EXISTING MAIN DUE TO IDENTIFIED TREE AND CURB CONFLICTS. EXISTING UTILITIES SHOWN ON THE PLANS WERE BASED ON THE BEST INFORMATION AVAILABLE DURING PROJECT DESIGN AND DOESN'T GUARANTEE THAT THE NEW LOCATION OF THE NEW MAIN IS CLEAR OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES ALONG THE ALIGNMENT OF THE NEW WATER MAIN PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. CONFLICTS IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER ONCE IDENTIFIED. PIPELINE INSTALLATION WILL BE REQUIRED TO ADHERE TO HOWARD COUNTY STANDARD DESIGN MANUAL. ONCE UTILITIES ARE CLEARED, THE ALIGNMENT OF THE NEW MAIN WILL BE CONFIRMED WITH THE OWNER.

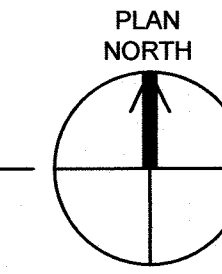
GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES ALONG THE PROJECT CORRIDOR PRIOR TO INSTALLING THE NEW WATER MAIN. MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING CONSTRUCTION ACTIVITIES SHALL NOT CONSTITUTE JUSTIFICATION FOR DELAYS, DAMAGES, OR CLAIMS AGAINST THE COUNTY. THE CONTRACTOR SHALL HAVE NO RECOURSE AGAINST THE COUNTY FOR MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING PROJECT CONSTRUCTION.
2. PROPERTY LINES SHOWN ON THIS SHEET ARE APPROXIMATE.
3. GATE VALVES ADJACENT TO A TEE SHALL BE REPLACED WITHIN 27" OF THE TEE AND SHALL BE RESTRAINED PER STANDARD DETAIL W-2.13.



RAIN DREAM HILL

SCALE: 1"=50'



RAIN DREAM HILL			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	566744.71	1348532.46
STA. 2+54.58	8" - 1/32 HORZ. BEND	566922.30	1348711.25
STA. 2+84.58	8" - 1/32 HORZ. BEND	566948.75	1348729.05
STA. 3+88.58	8"x6" FH TEE	567045.40	1348761.34
STA. 3+91.58	8" GATE VALVE	567048.30	1348762.11
STA. 4+71.58	8" HORZ. DEFL. COUPLING	567125.25	1348783.85
STA. 4+93.58	8" - 1/32 HORZ. BEND	567144.93	1348793.66
STA. 5+14.58	8" HORZ. DEFL. COUPLING	567161.07	1348807.09
STA. 5+32.58	8" - 1/32 HORZ. BEND	567173.58	1348820.03
STA. 5+69.58	8" HORZ. DEFL. COUPLING	567193.62	1348851.14
STA. 5+97.58	8" - 1/32 HORZ. BEND	567206.67	1348875.91
STA. 7+02.58	8" - 1/8 HORZ. BEND	567223.54	1348979.18
STA. 7+06.58	8" - 1/32 HORZ. BEND	567220.94	1348982.23
STA. 7+10.58	8" DEFL. COUPLING	567217.80	1348984.71
STA. 7+67.58	8" - 1/8 HORZ. BEND	567170.16	1349015.99
STA. 8+14.08	8" CAP	567160.71	1349061.52

RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 10/29/2021
CHIEF, UTILITY DESIGN DIVISION DATE

G O BRIEN & GERE

4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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. 55452, EXPIRATION DATE 12/23/2021

[Signature]
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: P. WOLF			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS
	BY	NO.	REVISION
			DATE

EVENING WIND AND RAIN DREAM HILL 8" WATER MAIN REPLACEMENT

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

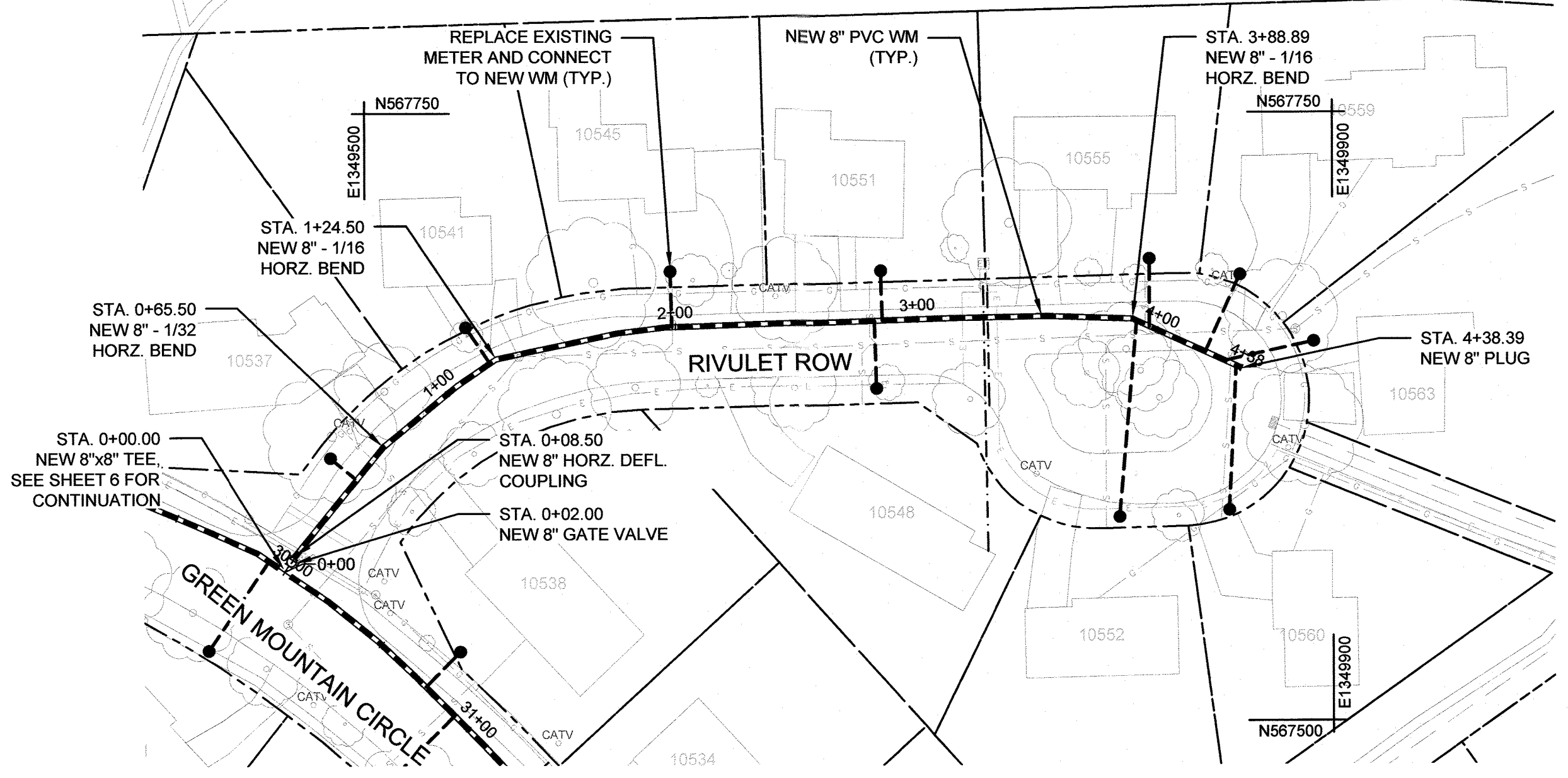
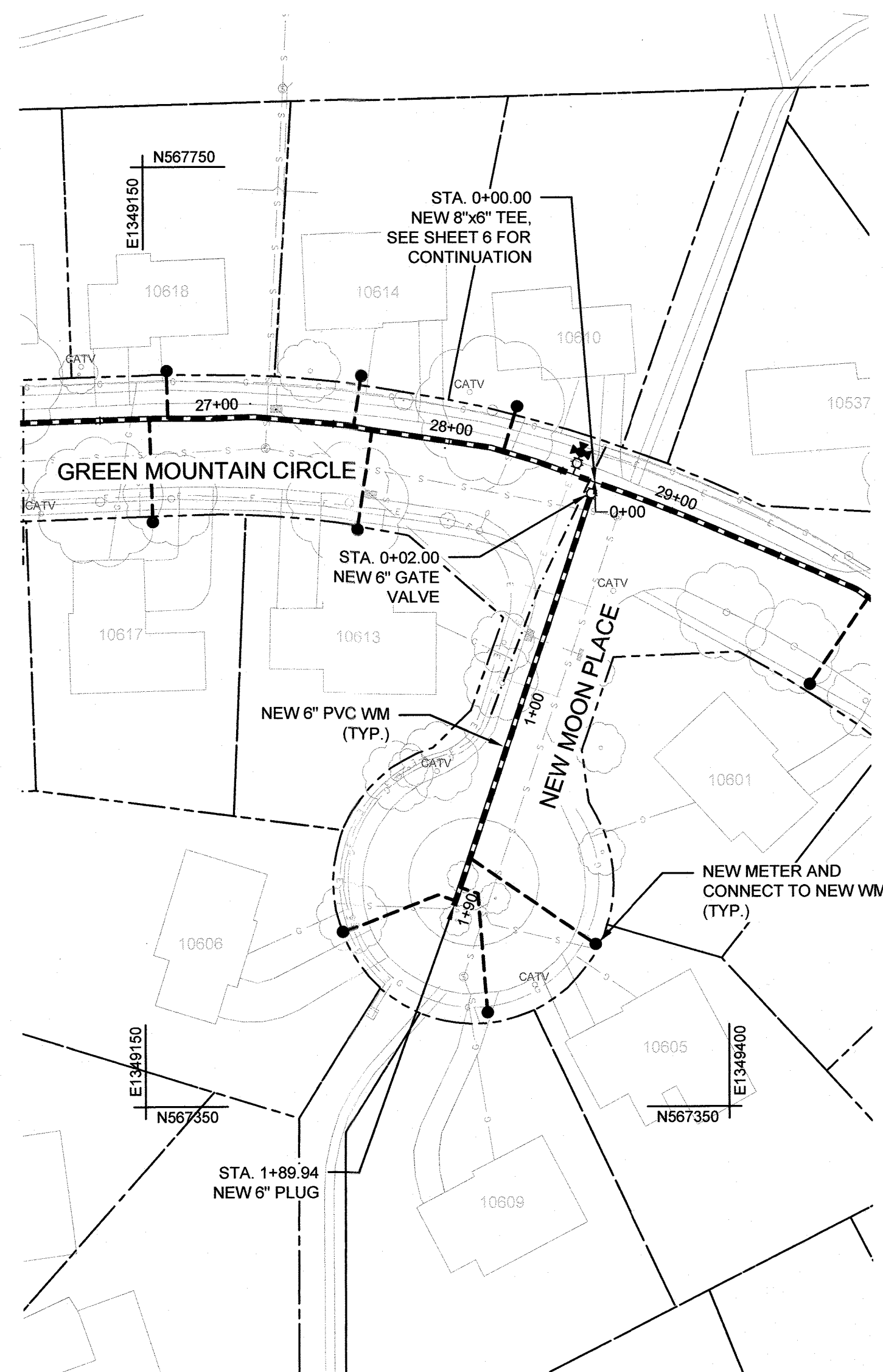
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 8 OF 37

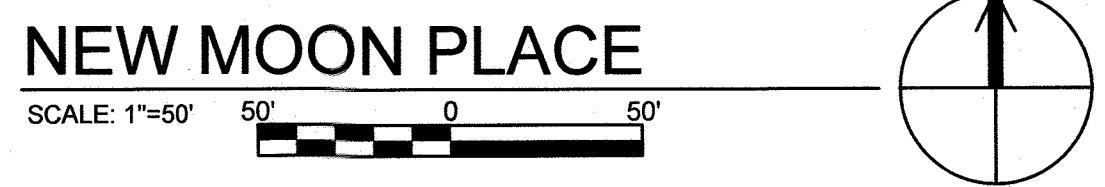
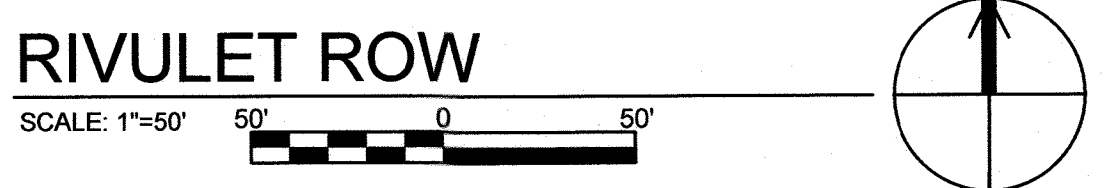
FILE NO. 69116-008



NOTE

STA. 0+00 TO STA. 4+10: NEW WATER MAIN TO BE INSTALLED IN SEPARATE TRENCH PARALLEL TO THE EXISTING MAIN DUE TO IDENTIFIED TREE AND CURB CONFLICTS. EXISTING UTILITIES SHOWN ON THE PLANS WERE BASED ON THE BEST INFORMATION AVAILABLE DURING PROJECT DESIGN AND DOESNT GUARANTEE THAT THE NEW LOCATION OF THE NEW MAIN IS CLEAR OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES ALONG THE ALIGNMENT OF THE NEW WATER MAIN PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. CONFLICTS IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER ONCE IDENTIFIED. PIPELINE INSTALLATION WILL BE REQUIRED TO ADHERE TO HOWARD COUNTY STANDARD DESIGN MANUAL. ONCE UTILITIES ARE CLEARED, THE ALIGNMENT OF THE NEW MAIN WILL BE CONFIRMED WITH THE OWNER.

RIVULET ROW			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	567563.68	1349467.62
STA. 0+08.50	8" HORZ. DEFL. CPLG.	567569.05	1349471.29
STA. 0+65.50	8" - 1/32 HORZ. BEND	567613.10	1349507.45
STA. 1+24.50	8" - 1/16 HORZ. BEND	567649.13	1349554.11
STA. 3+88.89	8" - 1/16 HORZ. BEND	567665.30	1349817.19
STA. 4+38.39	8" CAP	567644.88	1349862.28



NEW MOON PLACE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	6" GATE VALVE	567613.89	1349342.54
STA. 1+89.94	6" CAP	567435.88	1349282.26

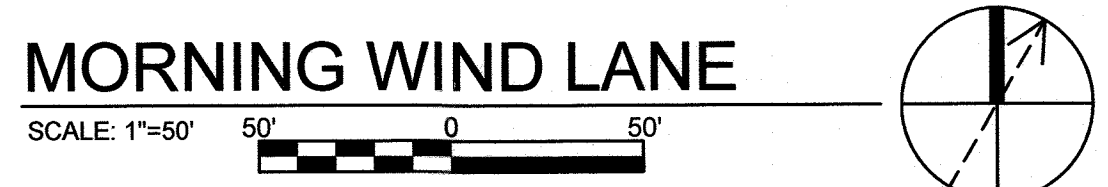
GENERAL NOTES:

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MORNING WIND LANE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	567298.98	1349717.64
STA. 2+70.57	8"x6" FH TEE	567153.21	1349493.29
STA. 4+62.06	8" - 1/8 HORZ. BEND	567079.19	1349316.78
STA. 5+07.06	8" CAP	567037.84	1349299.02

NOTE

STA. 0+00 TO STA. 3+62: NEW WATER MAIN TO BE INSTALLED IN SEPARATE TRENCH PARALLEL TO THE EXISTING MAIN DUE TO IDENTIFIED TREE AND CURB CONFLICTS. EXISTING UTILITIES SHOWN ON THE PLANS WERE BASED ON THE BEST INFORMATION AVAILABLE DURING PROJECT DESIGN AND DOESNT GUARANTEE THAT THE NEW LOCATION OF THE NEW MAIN IS CLEAR OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES ALONG THE ALIGNMENT OF THE NEW WATER MAIN PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. CONFLICTS IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER ONCE IDENTIFIED. PIPELINE INSTALLATION WILL BE REQUIRED TO ADHERE TO HOWARD COUNTY STANDARD DESIGN MANUAL. ONCE UTILITIES ARE CLEARED, THE ALIGNMENT OF THE NEW MAIN WILL BE CONFIRMED WITH THE OWNER.



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: *[Signature]* 11/8/2021
 Chief, Bureau of Engineering: *[Signature]* 11-4-21
 Chief, Bureau of Utilities: *[Signature]* 11/5/2021
 Chief, Utility Design Division: *[Signature]* 10/21/21

O'BRIEN & GERE
 4201 MITCHELLVILLE ROAD
 SUITE 500
 BOWIE, MD 20716
 PHONE: 301-731-5822

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. 55452, EXPIRATION DATE 12/23/2021

[Signature]
 JOSEPH P. COLLINS
 PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: P. WOLF			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

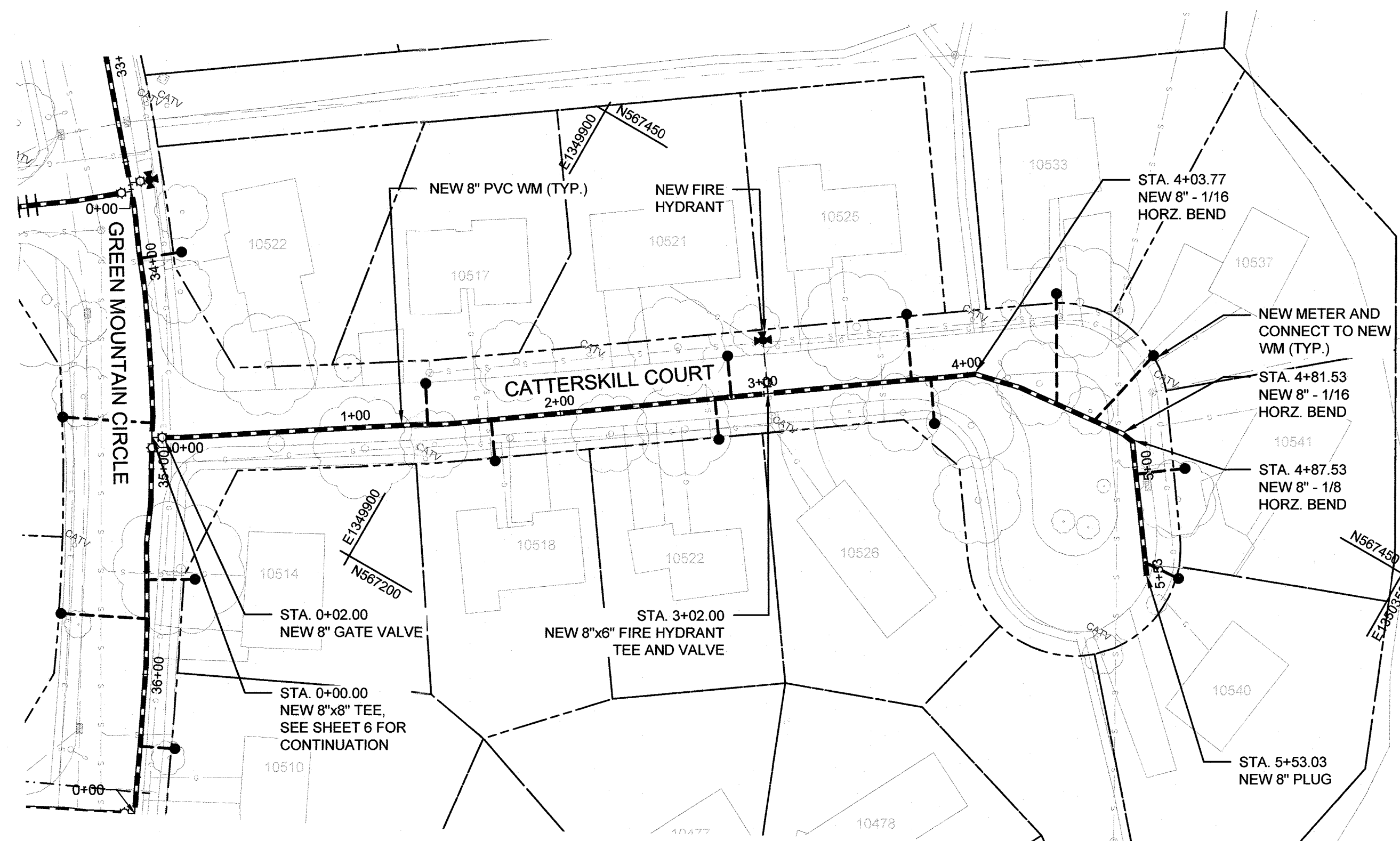
NEW MOON PLACE, RIVULET ROW, AND MORNING WIND LANE 8" WATER MAIN REPLACEMENT

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT BRYANT WOODS

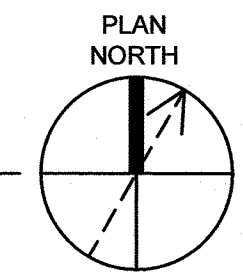
CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 9 OF 37
 FILE NO. 69116-009

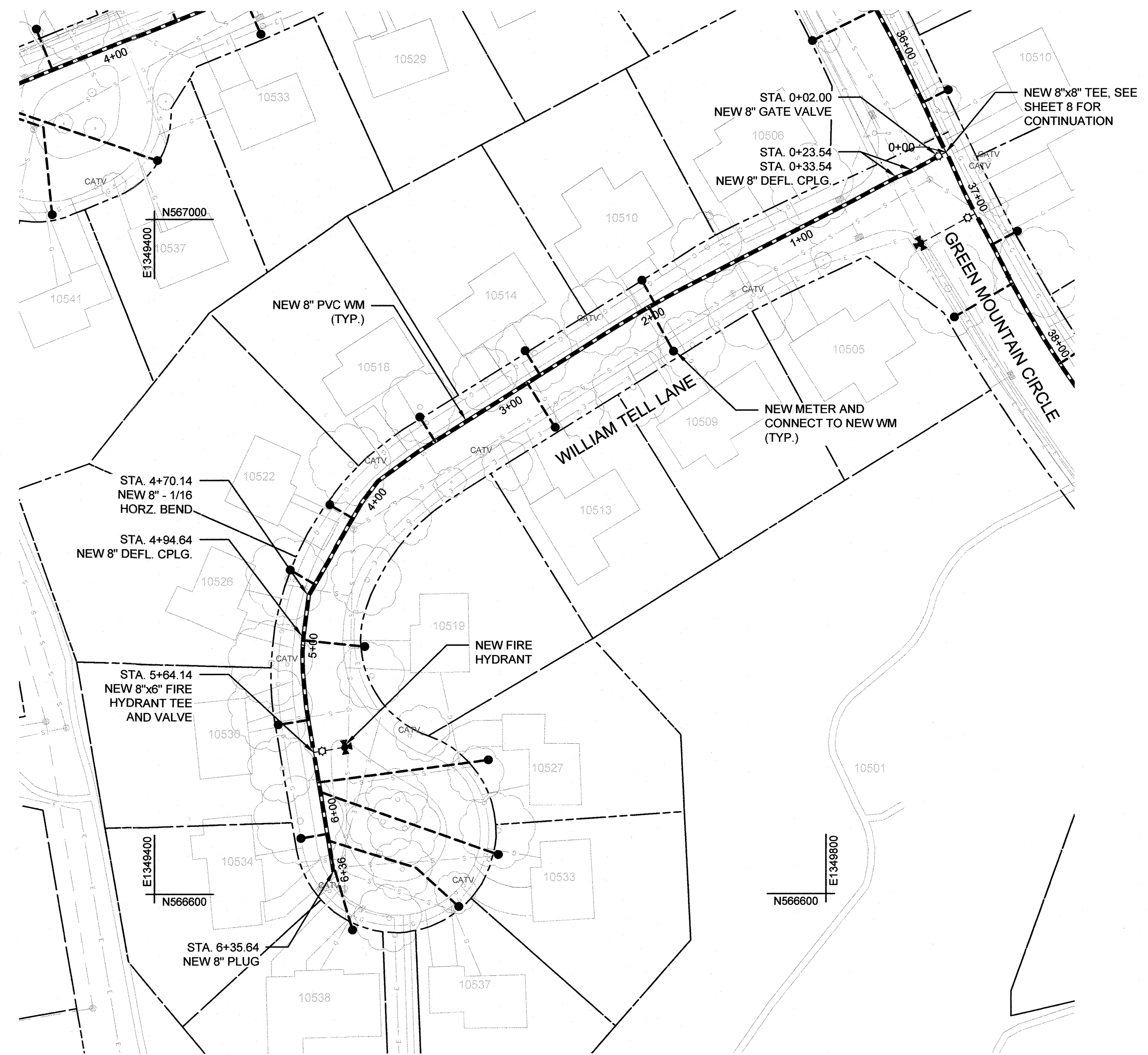


CATTERSKILL COURT

SCALE: 1"=50' 50' 0 50'

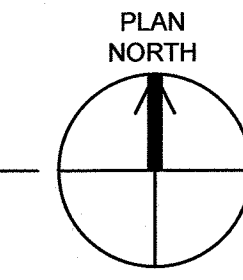


CATTERSKILL COURT			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	567202.74	1349789.38
STA. 3+02.00	8"x8" FH TEE	567371.06	1350037.59
STA. 4+03.77	8" - 1/16 HORZ. BEND	567429.89	1350120.63
STA. 4+81.53	8" - 1/16 HORZ. BEND	567440.95	1350197.46
STA. 4+87.53	8" - 1/8 HORZ. BEND	567439.82	1350203.54
STA. 5+53.03	8" CAP	567387.05	1350241.92



WILLIAM TELL LANE

SCALE: 1"=50' 50' 0 50'



WILLIAM TELL LANE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	567038.38	1349869.95
STA. 0+23.54	8" DEFL. CPLG.	567028.24	1349850.95
STA. 0+33.54	8" DEFL. CPLG.	567024.31	1349841.76
STA. 4+70.14	8" - 1/16 HORZ. BEND	566777.27	1349491.92
STA. 4+94.64	8" DEFL. CPLG.	566752.98	1349488.71
STA. 5+64.14	8"x8" FH TEE	566683.98	1349494.85
STA. 6+35.64	8" CAP	566613.45	1349506.60

GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES ALONG THE PROJECT CORRIDOR PRIOR TO INSTALLING THE NEW WATER MAIN. MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING CONSTRUCTION ACTIVITIES SHALL NOT CONSTITUTE JUSTIFICATION FOR DELAYS, DAMAGES, OR CLAIMS AGAINST THE COUNTY. THE CONTRACTOR SHALL HAVE NO RECOURSE AGAINST THE COUNTY FOR MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING PROJECT CONSTRUCTION.
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RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

[Signature] 1/18/2021
 DIRECTOR OF PUBLIC WORKS DATE

[Signature] 1/14/21
 CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 1/15/2021
 CHIEF, BUREAU OF UTILITIES DATE

[Signature] 1/15/2021
 CHIEF, UTILITY DESIGN DIVISION DATE

G O BRIEN & GERE

4201 MITCHELLVILLE ROAD
 SUITE 500
 BOWIE, MD 20716
 PHONE: 301-731-5622

PROFESSIONAL CERTIFICATION:
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[Signature]
 JOSEPH P. CONTI
 PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: P. WOLF			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

CATTERSKILL COURT AND WILLIAM TELL LANE 8" WATER MAIN REPLACEMENT

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

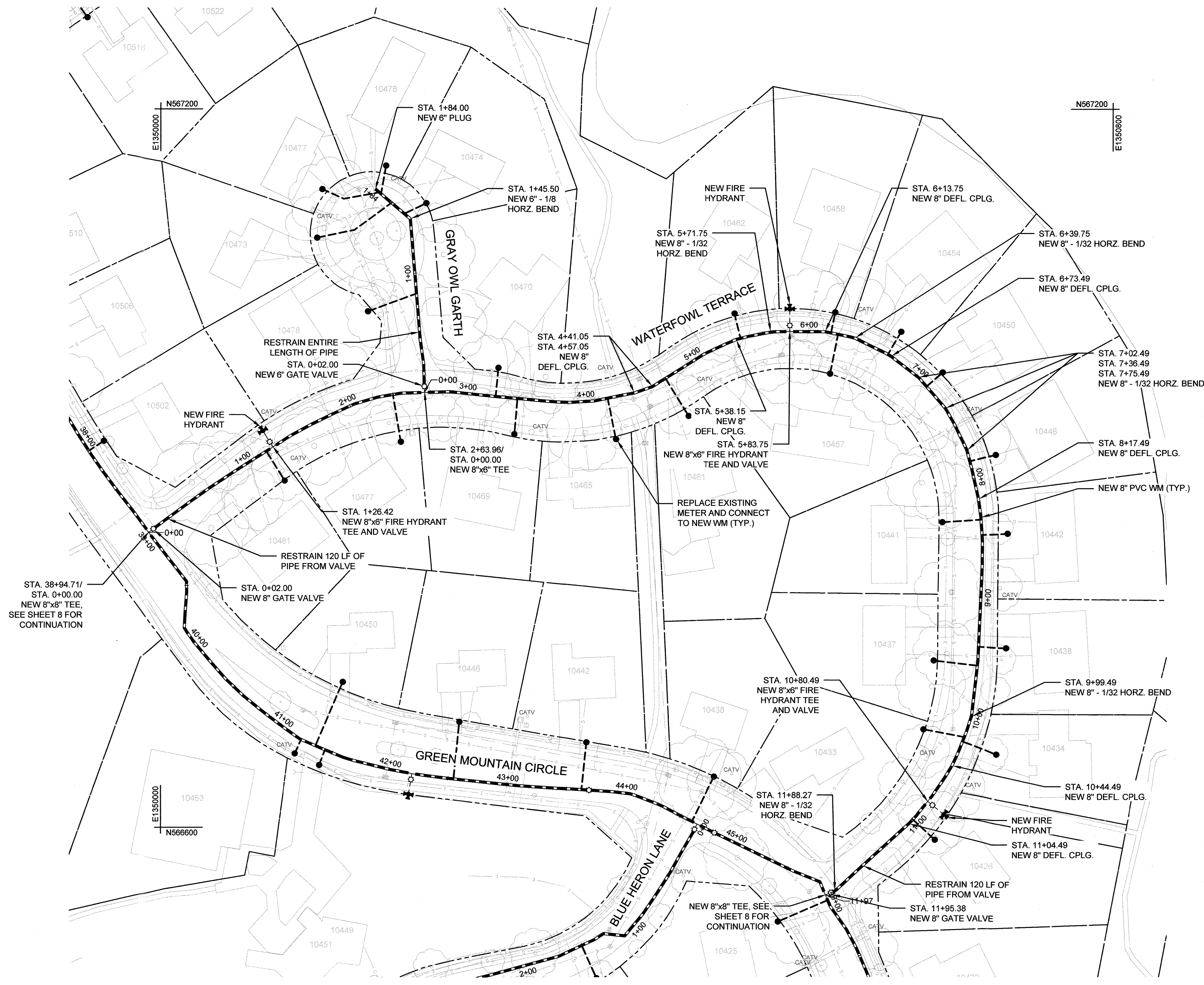
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT BRYANT WOODS

CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 10 OF 37

FILE NO. 89116-010

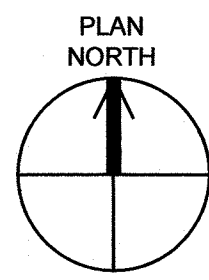


WATERFOWL TERRACE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	566847.66	1349991.59
STA. 1+26.42	8"x6" FH TEE	566917.79	1350094.29
STA. 2+63.96	8"x6" TEE	566963.35	1350221.80
STA. 4+41.05	8" DEFL. CPLG.	566962.69	1350397.78
STA. 4+57.05	8" DEFL. CPLG.	566967.94	1350412.89
STA. 5+38.15	8" DEFL. CPLG.	567007.32	1350483.59
STA. 5+71.75	8" - 1/32 HORZ. BEND	567013.76	1350516.54
STA. 5+83.75	8"x6" FH TEE	567013.86	1350528.54
STA. 6+13.75	8" DEFL. CPLG.	567013.72	1350558.53
STA. 6+39.75	8" - 1/32 HORZ. BEND	567008.19	1350583.93
STA. 6+73.49	8" DEFL. CPLG.	566992.99	1350614.04
STA. 7+02.49	8" - 1/32 HORZ. BEND	566975.35	1350637.06
STA. 7+36.49	8" - 1/32 HORZ. BEND	566949.71	1350659.38
STA. 7+75.49	8" - 1/32 HORZ. BEND	566915.08	1350677.28
STA. 8+17.49	8" DEFL. CPLG.	566874.24	1350687.04
STA. 9+99.49	8" - 1/32 HORZ. BEND	566982.81	1350681.30
STA. 10+44.49	8" DEFL. CPLG.	566951.00	1350684.82
STA. 10+80.49	8"x6" FH TEE	566921.30	1350644.54
STA. 11+04.49	8" DEFL. CPLG.	566903.00	1350629.03
STA. 11+88.27	8" - 1/32 HORZ. BEND	566546.68	1350567.01
STA. 11+95.38	8" GATE VALVE	566543.88	1350560.46

GRAY OWL GARTH			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	6" PLUG VALVE	566965.35	1350221.74
STA. 1+45.50	6" - 1/8 HORZ. BEND	567108.28	1350209.81
STA. 1+84.00	6" CAP	567133.17	1350180.43

WATERFOWL TERRACE AND GRAY OWL GARTH

SCALE: 1"=50'



GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES ALONG THE PROJECT CORRIDOR PRIOR TO INSTALLING THE NEW WATER MAIN. MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING CONSTRUCTION ACTIVITIES SHALL NOT CONSTITUTE JUSTIFICATION FOR DELAYS, DAMAGES, OR CLAIMS AGAINST THE COUNTY. THE CONTRACTOR SHALL HAVE NO RECOURSE AGAINST THE COUNTY FOR MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING PROJECT CONSTRUCTION.
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RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: *Melvin* 11/8/2021
 Chief, Bureau of Engineering: *[Signature]* 11/4/21
 Chief, Bureau of Utilities: *[Signature]* 11/5/2021
 Chief, Utility Design Division: *[Signature]* 11/2/21

G O BRIEN & GERE
 4201 MITCHELLVILLE ROAD
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JOSEPH P. CONTI
 PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: P. WOLF			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	08/21
	BY	NO.	REVISION

WATERFOWL TERRACE AND GRAY OWL GARTH
8" WATER MAIN REPLACEMENT

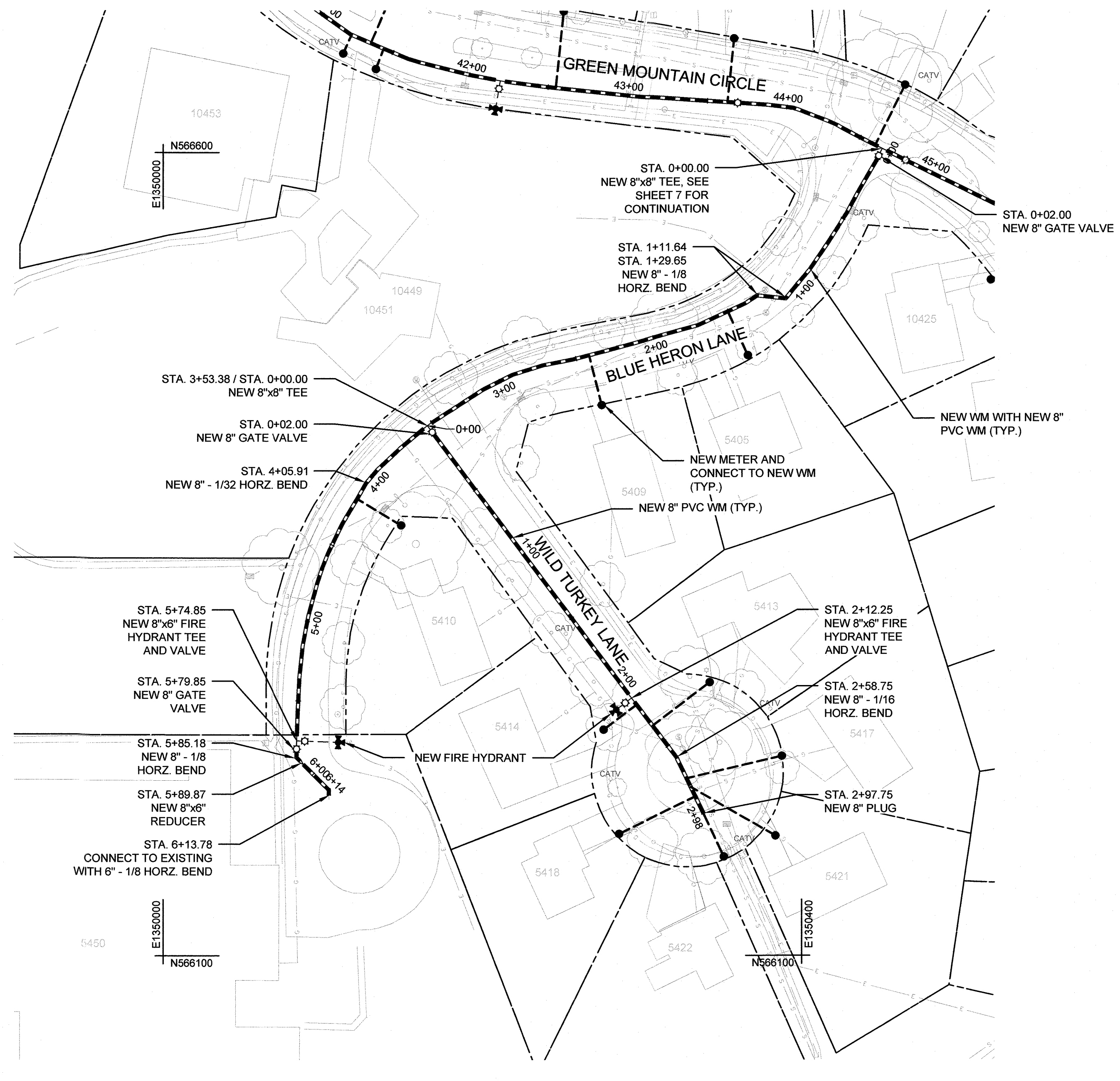
RECORD DRAWINGS
 DATE: 08/21

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

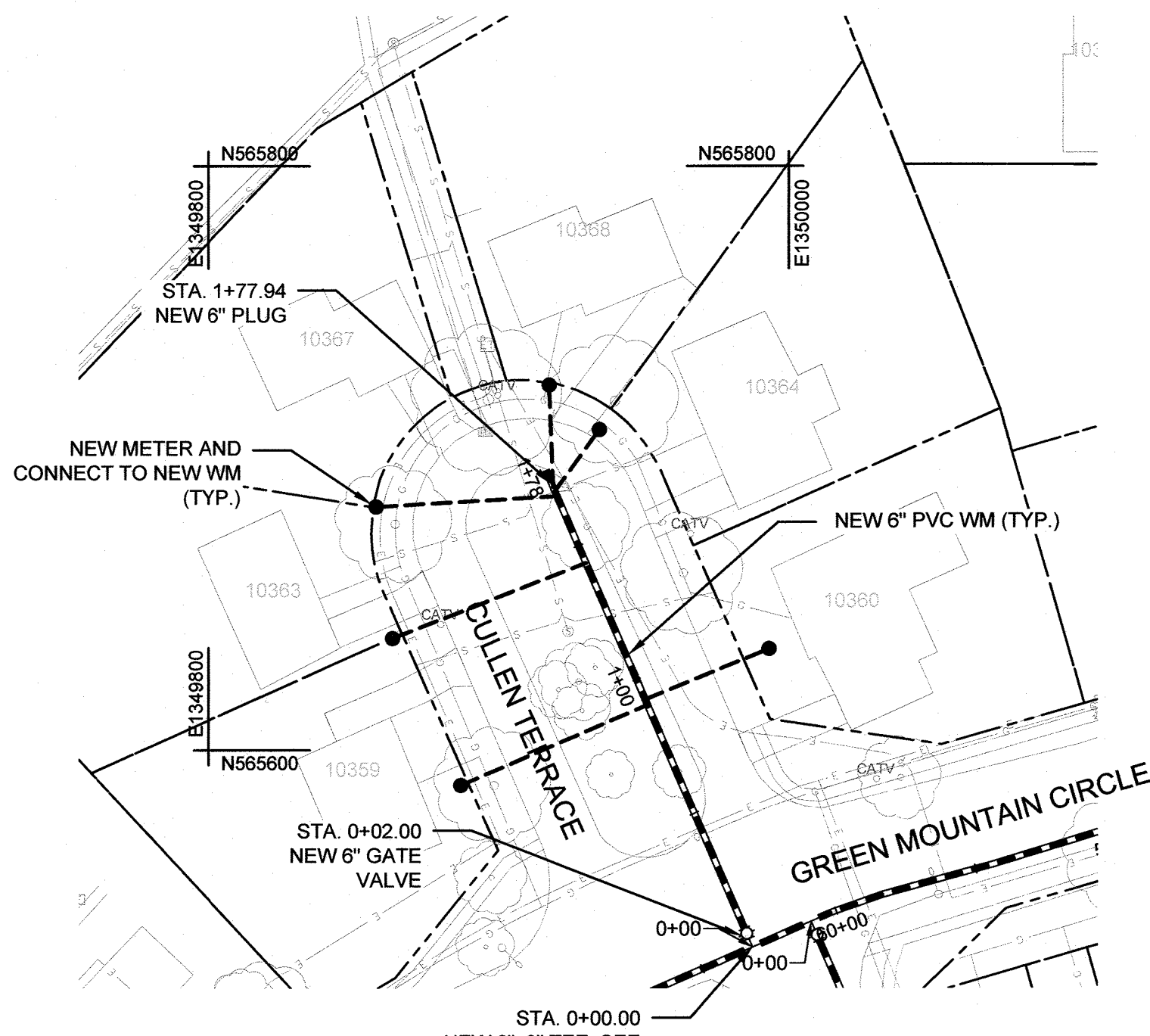
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 11 OF 37
 FILE NO. 69116-011



BLUE HERON LANE AND WILD TURKEY LANE
 SCALE: 1"=50'
 PLAN NORTH



CULLEN TERRACE
 SCALE: 1"=50'
 PLAN NORTH

GENERAL NOTES:

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NOTE

STA. 0+00 TO STA. 1+70: NEW WATER MAIN TO BE INSTALLED IN SEPARATE TRENCH PARALLEL TO THE EXISTING MAIN DUE TO IDENTIFIED TREE AND CURB CONFLICTS. EXISTING UTILITIES SHOWN ON THE PLANS WERE BASED ON THE BEST INFORMATION AVAILABLE DURING PROJECT DESIGN AND DOESN'T GUARANTEE THAT THE NEW LOCATION OF THE NEW MAIN IS CLEAR OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES ALONG THE ALIGNMENT OF THE NEW WATER MAIN PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. CONFLICTS IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER ONCE IDENTIFIED. PIPELINE INSTALLATION WILL BE REQUIRED TO ADHERE TO HOWARD COUNTY STANDARD DESIGN MANUAL. ONCE UTILITIES ARE CLEARED, THE ALIGNMENT OF THE NEW MAIN WILL BE CONFIRMED WITH THE OWNER.

BLUE HERON LANE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	566600.65	1350449.81
STA. 1+11.64	8" - 1/8 HORZ. BEND	566509.10	1350389.99
STA. 1+29.65	8" - 1/8 HORZ. BEND	566510.92	1350372.07
STA. 3+53.38	8"x8" TEE	566429.97	1350165.65
STA. 4+05.91	8" - 1/32 HORZ. BEND	566394.21	1350127.32
STA. 5+74.85	8"x6" FH TEE	566233.81	1350083.86
STA. 5+79.85	8" GATE VALVE	566228.76	1350083.68
STA. 5+85.18	8" - 1/8 HORZ. BEND	566223.49	1350083.69
STA. 5+89.87	8"x6" REDUCER	566220.17	1350087.00
STA. 6+13.78	6" - 1/8 HORZ. BEND	566203.26	1350103.91

WILD TURKEY LANE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	566428.38	1350166.86
STA. 2+12.25	8"x6" FH TEE	566260.62	1350293.60
STA. 2+58.75	8" - 1/16 HORZ. BEND	566223.52	1350321.63
STA. 2+97.75	8" CAP	566188.41	1350338.62

NOTE

STA. 0+00 TO STA. 1+40: NEW WATER MAIN TO BE INSTALLED IN SEPARATE TRENCH PARALLEL TO THE EXISTING MAIN DUE TO IDENTIFIED TREE AND CURB CONFLICTS. EXISTING UTILITIES SHOWN ON THE PLANS WERE BASED ON THE BEST INFORMATION AVAILABLE DURING PROJECT DESIGN AND DOESN'T GUARANTEE THAT THE NEW LOCATION OF THE NEW MAIN IS CLEAR OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES ALONG THE ALIGNMENT OF THE NEW WATER MAIN PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. CONFLICTS IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER ONCE IDENTIFIED. PIPELINE INSTALLATION WILL BE REQUIRED TO ADHERE TO HOWARD COUNTY STANDARD DESIGN MANUAL. ONCE UTILITIES ARE CLEARED, THE ALIGNMENT OF THE NEW MAIN WILL BE CONFIRMED WITH THE OWNER.

CULLEN TERRACE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	6" GATE VALVE	565534.35	1349986.64
STA. 1+77.94	6" CAP	565695.65	1349916.38

RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
 DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/15/2021
 CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-22
 CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/21/2021
 CHIEF, UTILITY DESIGN DIVISION DATE

O BRIEN & GERE
 4201 MITCHELLVILLE ROAD
 SUITE 500
 BOWIE, MD 20716
 PHONE: 301-731-5622

PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 55452, EXPIRATION DATE 12/23/2021

[Signature]
 JOSEPH P. CONIG
 PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE
 DRN. BY: P. WOLF
 CHK. BY: J. CONTI
 DATE: 04/18

JPC 0
 BY NO.

RECORD DRAWINGS 08/21
 REVISION DATE

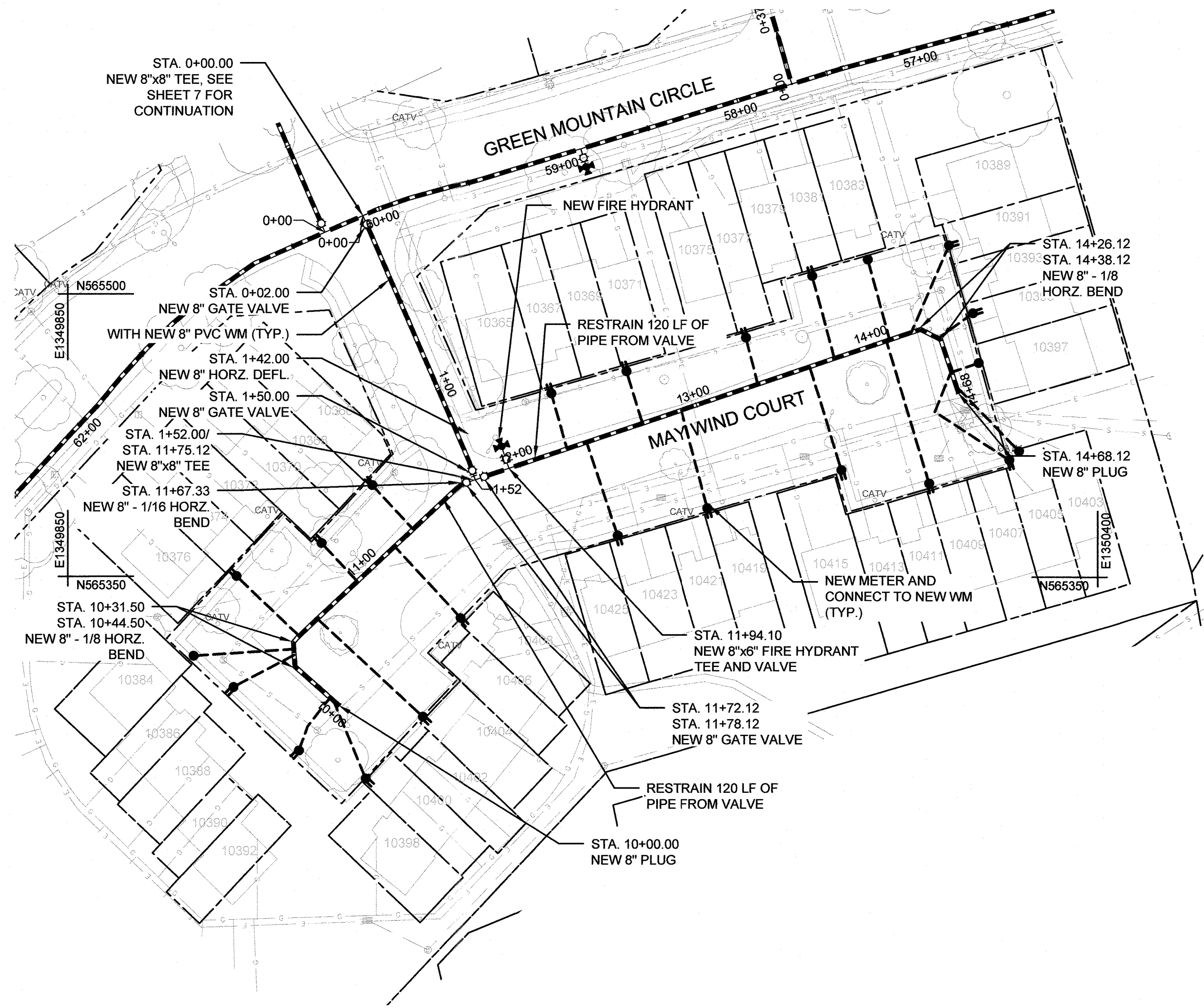
BLUE HERON LANE, WILD TURKEY LANE, AND CULLEN TERRACE 8" WATER MAIN REPLACEMENT

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

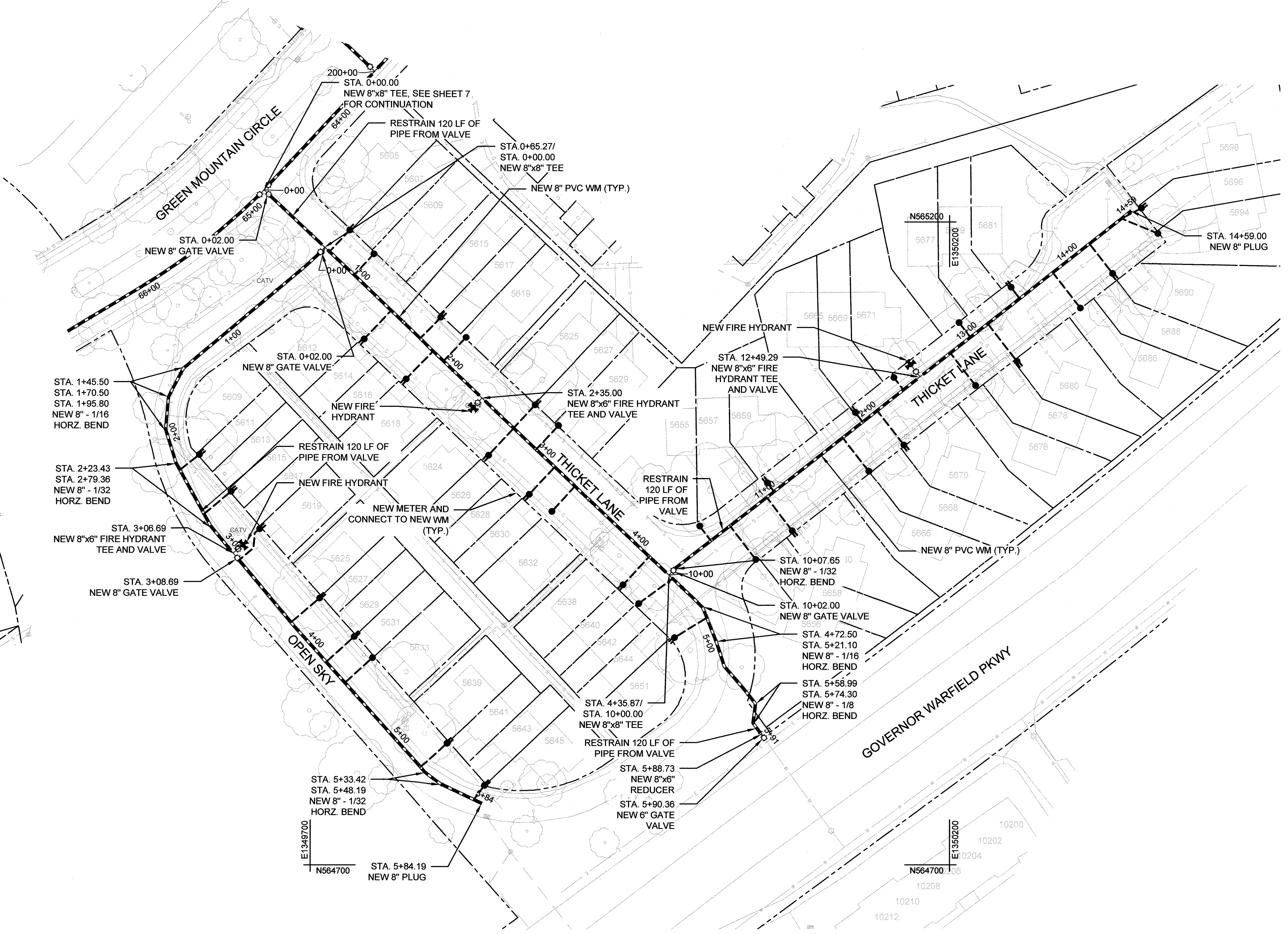
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT BRYANT WOODS

CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 12 OF 37
 FILE NO. 68116-012



MAY WIND COURT
SCALE: 1"=50'
PLAN NORTH



THICKET LANE AND OPEN SKY
SCALE: 1"=50'
PLAN NORTH

GENERAL NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES ALONG THE PROJECT CORRIDOR PRIOR TO INSTALLING THE NEW WATER MAIN. MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING CONSTRUCTION ACTIVITIES SHALL NOT CONSTITUTE JUSTIFICATION FOR DELAYS, DAMAGES, OR CLAIMS AGAINST THE COUNTY. THE CONTRACTOR SHALL HAVE NO RECOURSE AGAINST THE COUNTY FOR MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING PROJECT CONSTRUCTION.
- PROPERTY LINES SHOWN ON THIS SHEET ARE APPROXIMATE.
- GATE VALVES ADJACENT TO A TEE SHALL BE REPLACED WITHIN 27' OF THE TEE AND SHALL BE RESTRAINED PER STANDARD DETAIL W-2.13.

MAY WIND COURT			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	565539.46	1350008.41
STA. 1+42.00	8" HORZ. DEFL.	565411.11	1350064.32
STA. 1+50.00	8" GATE VALVE	565403.53	1350068.86
STA. 1+52.00	8"x8" TEE	565401.63	1350067.50
STA. 11+75.12	8" CAP	565281.24	1349995.03
STA. 10+31.50	8" - 1/8 HORZ. BEND	565302.03	1349971.36
STA. 10+44.50	8" - 1/8 HORZ. BEND	565315.00	1349970.52
STA. 11+67.33	8" - 1/16 HORZ. BEND	565398.91	1350090.20
STA. 11+72.12	8" GATE VALVE	565400.64	1350064.54
STA. 11+78.12	8" GATE VALVE	565402.59	1350070.34
STA. 11+94.10	8"x8" FH TEE	565407.66	1350085.49
STA. 14+26.12	8" - 1/8 HORZ. BEND	565481.43	1350316.22
STA. 14+38.12	8" - 1/8 HORZ. BEND	565476.09	1350316.22
STA. 14+68.12	8" CAP	565447.64	1350325.76

OPEN SKY			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	565179.00	1349710.10
STA. 1+45.50	8" - 1/16 HORZ. BEND	565086.10	1349600.79
STA. 1+70.50	8" - 1/16 HORZ. BEND	565063.97	1349589.17
STA. 1+95.80	8" - 1/16 HORZ. BEND	565038.77	1349586.88
STA. 2+23.43	8" - 1/32 HORZ. BEND	565012.43	1349595.21
STA. 2+79.36	8" - 1/32 HORZ. BEND	564963.43	1349622.18
STA. 3+06.69	8"x8" FH TEE	564942.52	1349639.77
STA. 3+08.69	8" GATE VALVE	564940.99	1349641.05
STA. 5+33.42	8" - 1/32 HORZ. BEND	564772.48	1349789.70
STA. 5+48.19	8" - 1/32 HORZ. BEND	564763.66	1349801.54
STA. 5+84.19	8" CAP	564748.20	1349834.06

THICKET LANE			
LOCATION	ITEM	NORTHING	EASTING
STA. 0+02.00	8" GATE VALVE	565223.76	1349665.35
STA. 0+65.27	8"x8" TEE	565180.45	1349711.47
STA. 2+35.00	8"x6" FH TEE	565063.39	1349834.37
STA. 4+35.87	8"x8" TEE	564925.72	1349980.64
STA. 4+72.50	8" - 1/16 HORZ. BEND	564900.38	1350007.09
STA. 5+21.10	8" - 1/16 HORZ. BEND	564854.82	1350023.94
STA. 5+58.99	8" - 1/8 HORZ. BEND	564825.80	1350048.29
STA. 5+74.30	8" - 1/8 HORZ. BEND	564810.62	1350046.37
STA. 5+88.73	8"x6" REDUCER	564799.01	1350054.94
STA. 5+90.36	6" GATE VALVE	564797.71	1350055.93
STA. 10+02.00	8" GATE VALVE	564927.17	1349982.01
STA. 10+07.65	8" - 1/32 HORZ. BEND	564931.05	1349985.65
STA. 12+49.29	8"x6" FH TEE	565079.39	1350176.82
STA. 14+59.00	8" CAP	565208.39	1350342.16

NOTE

STA. 1+30 TO STA. 5+80 THICKET LANE AND STA. 1+90 TO STA. 5+70 OPEN SKY: NEW WATER MAIN TO BE INSTALLED IN SEPARATE TRENCH PARALLEL TO THE EXISTING MAIN DUE TO IDENTIFIED TREE AND CURB CONFLICTS. EXISTING UTILITIES SHOWN ON THE PLANS WERE BASED ON THE BEST INFORMATION AVAILABLE DURING PROJECT DESIGN AND DOESN'T GUARANTEE THAT THE NEW LOCATION OF THE NEW MAIN IS CLEAR OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES ALONG THE ALIGNMENT OF THE NEW WATER MAIN PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES. CONFLICTS IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER ONCE IDENTIFIED. PIPELINE INSTALLATION WILL BE REQUIRED TO ADHERE TO HOWARD COUNTY STANDARD DESIGN MANUAL. ONCE UTILITIES ARE CLEARED, THE ALIGNMENT OF THE NEW MAIN WILL BE CONFIRMED WITH THE OWNER.

RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: *[Signature]* 11/8/2021
 Chief, Bureau of Engineering: *[Signature]* 11-4-21
 Chief, Bureau of Utilities: *[Signature]* 11/5/2021
 Chief, Utility Design Division: *[Signature]* 11/21/2021

G O BRIEN & GERE
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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. 55452, EXPIRATION DATE 12/23/2021

[Signature]
Professional Engineer

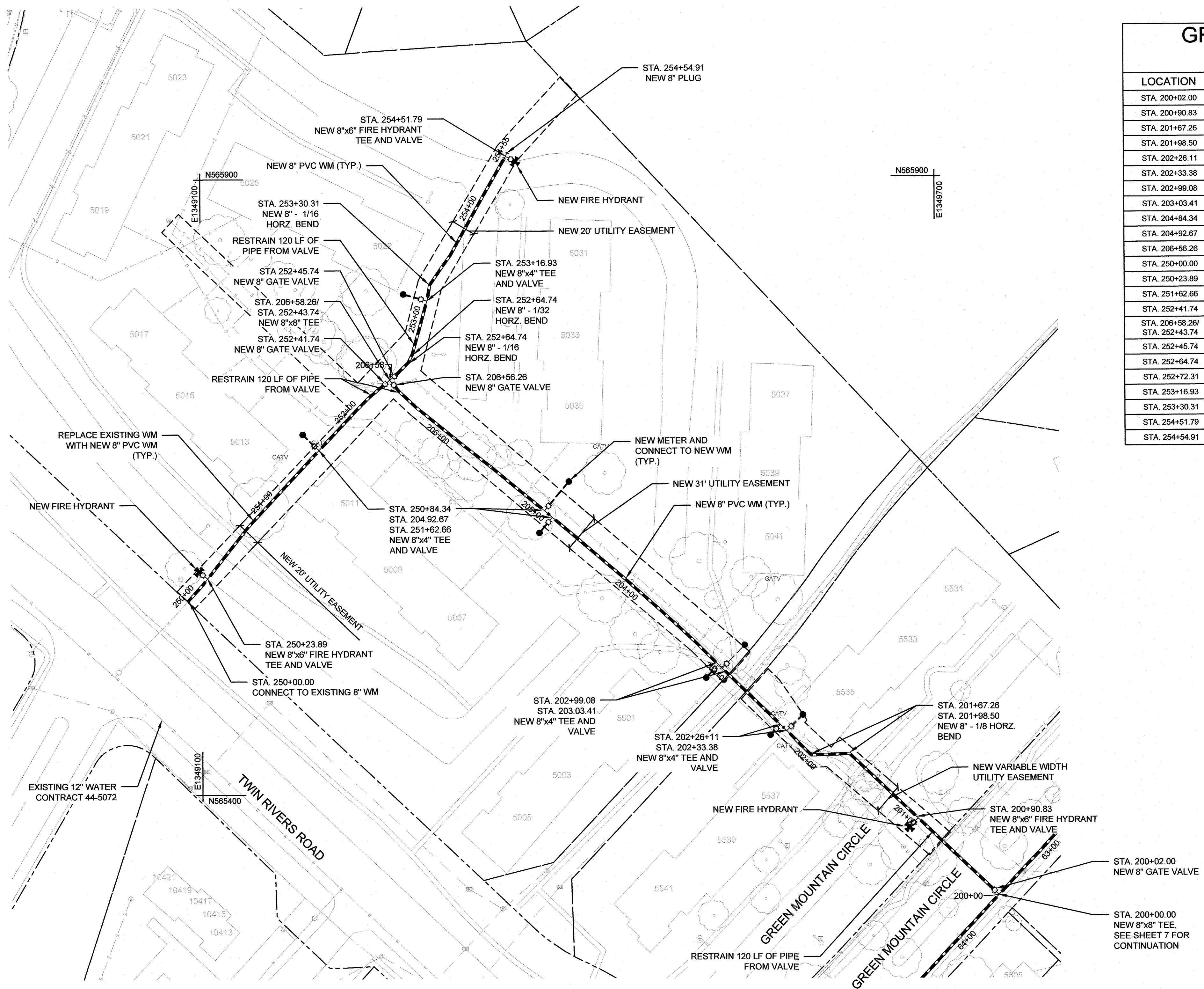
DSN. BY: C. PEARCE			
DRN. BY: P. WOLF			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS
	BY	NO.	REVISION
			08/21

MAY WIND COURT, THICKET LANE AND OPEN SKY 8" WATER MAIN REPLACEMENT

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT BRYANT WOODS

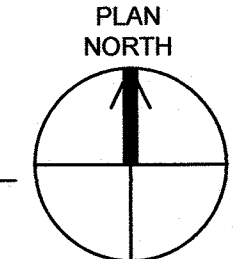
CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND



GREEN MOUNTAIN CIRCLE EXTENSION			
LOCATION	ITEM	NORTHING	EASTING
STA. 200+02.00	8" GATE VALVE	565318.71	1349749.03
STA. 200+90.83	8"x6" TEE	565379.51	1349684.28
STA. 201+67.26	8" - 1/8 HORZ. BEND	565431.84	1349628.57
STA. 201+98.50	8" - 1/8 HORZ. BEND	565430.86	1349597.34
STA. 202+26.11	8"x4" TEE	565450.03	1349577.48
STA. 202+33.38	8"x4" TEE	565455.08	1349572.25
STA. 202+99.08	8"x4" TEE	565500.72	1349524.98
STA. 203+03.41	8"x4" TEE	565503.73	1349521.66
STA. 204+84.34	8"x4" TEE	565623.92	1349380.36
STA. 204+92.67	8"x4" TEE	565629.30	1349380.36
STA. 206+56.26	8" GATE VALVE	565734.69	1349255.53
STA. 250+00.00	CONNECT TO EX. 8"	565557.81	1349088.79
STA. 250+23.89	8"x6" FH TEE	565575.71	1349104.59
STA. 251+62.66	8"x4" TEE	565679.77	1349196.25
STA. 252+41.74	8" GATE VALVE	565734.98	1349252.72
STA. 206+58.26/ STA. 252+43.74	8"x8" TEE	565736.24	1349255.82
STA. 252+45.74	8" GATE VALVE	565737.51	1349255.82
STA. 252+64.74	8" - 1/16 HORZ. BEND	565750.57	1349269.59
STA. 252+72.31	8" - 1/32 HORZ. BEND	565757.36	1349272.93
STA. 253+16.93	8"x4" TEE	565800.34	1349287.43
STA. 253+30.31	8" - 1/16 HORZ. BEND	565813.49	1349287.43
STA. 254+51.79	8"x6" FH TEE	565917.55	1349349.89
STA. 254+54.91	8" CAP	565920.25	1349351.45

GREEN MOUNTAIN CIRCLE

SCALE: 1"=50'



GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES ALONG THE PROJECT CORRIDOR PRIOR TO INSTALLING THE NEW WATER MAIN. MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING CONSTRUCTION ACTIVITIES SHALL NOT CONSTITUTE JUSTIFICATION FOR DELAYS, DAMAGES, OR CLAIMS AGAINST THE COUNTY. THE CONTRACTOR SHALL HAVE NO RECOURSE AGAINST THE COUNTY FOR MISMARKED OR UNMARKED UTILITIES ENCOUNTERED DURING PROJECT CONSTRUCTION.
2. PROPERTY LINES SHOWN ON THIS SHEET ARE APPROXIMATE.
3. GATE VALVES ADJACENT TO A TEE SHALL BE REPLACED WITHIN 27" OF THE TEE AND SHALL BE RESTRAINED PER STANDARD DETAIL W-2.13.

RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: *Melvin* 11/8/2021
 Chief, Bureau of Engineering: *[Signature]* 11-8-21
 Chief, Bureau of Utilities: *[Signature]* 11/5/2021
 Chief, Utility Design Division: *[Signature]* 11/5/2021

O'Brien & Gere
 4201 MITCHELLVILLE ROAD
 SUITE 500
 BOWIE, MD 20716
 PHONE: 301-731-6622

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. 55452, EXPIRATION DATE 12/23/2021

Joseph P. Conti
 PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE					
DRN. BY: P. WOLF					
CHK. BY: J. CONTI					
DATE: 04/18	JPC	0	RECORD DRAWINGS	08/21	
	BY	NO.	REVISION	DATE	

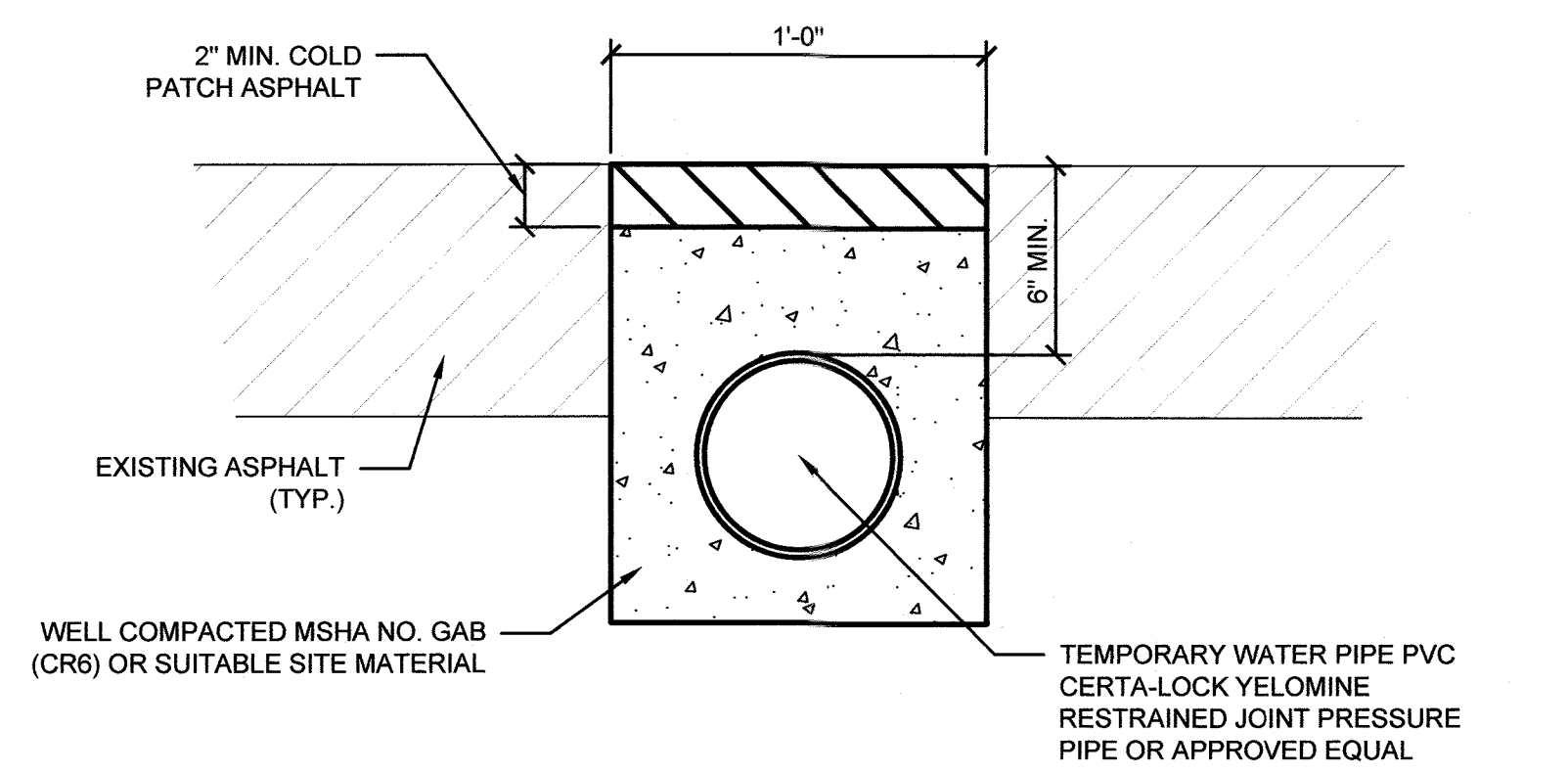
GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

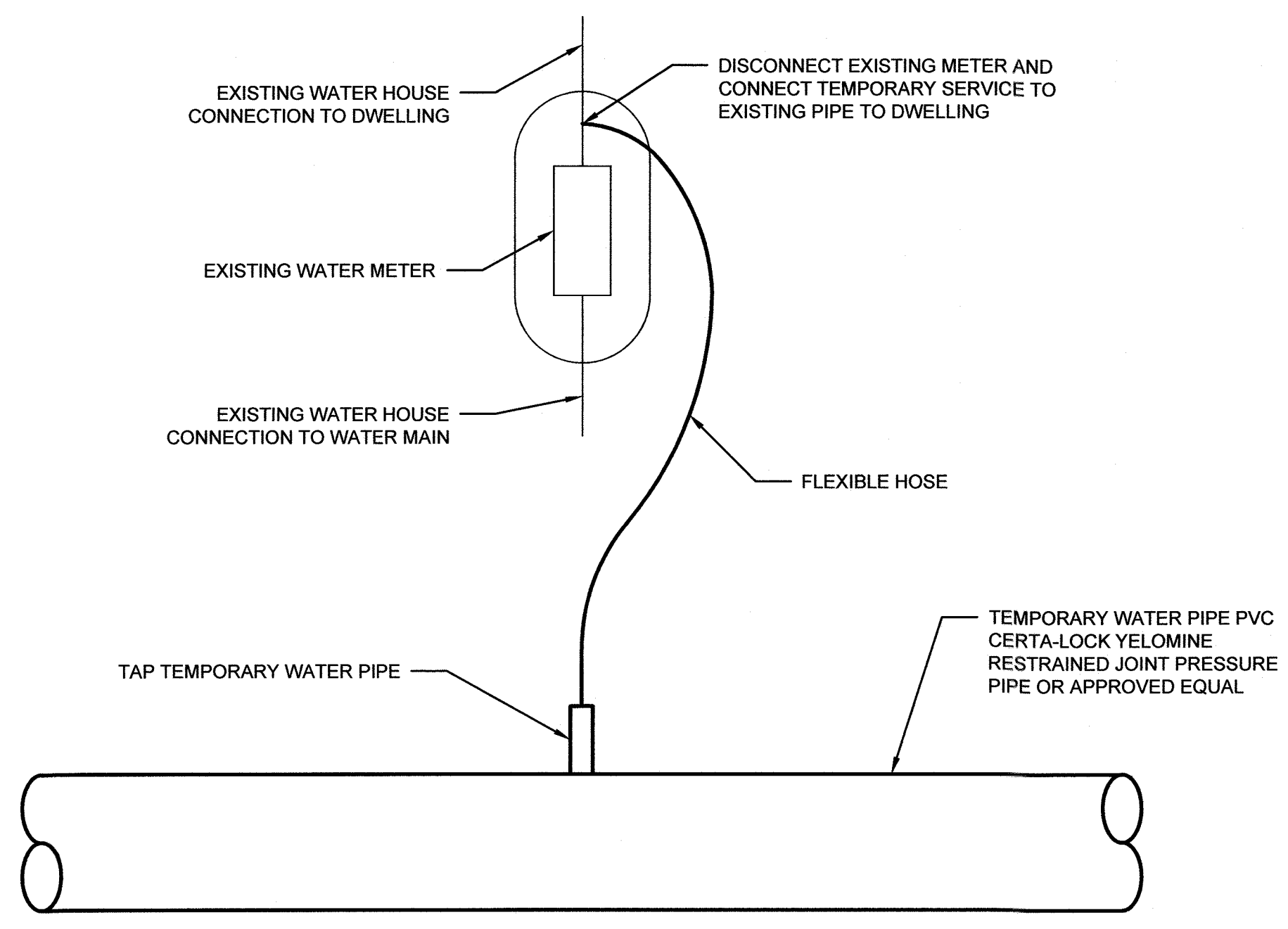
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

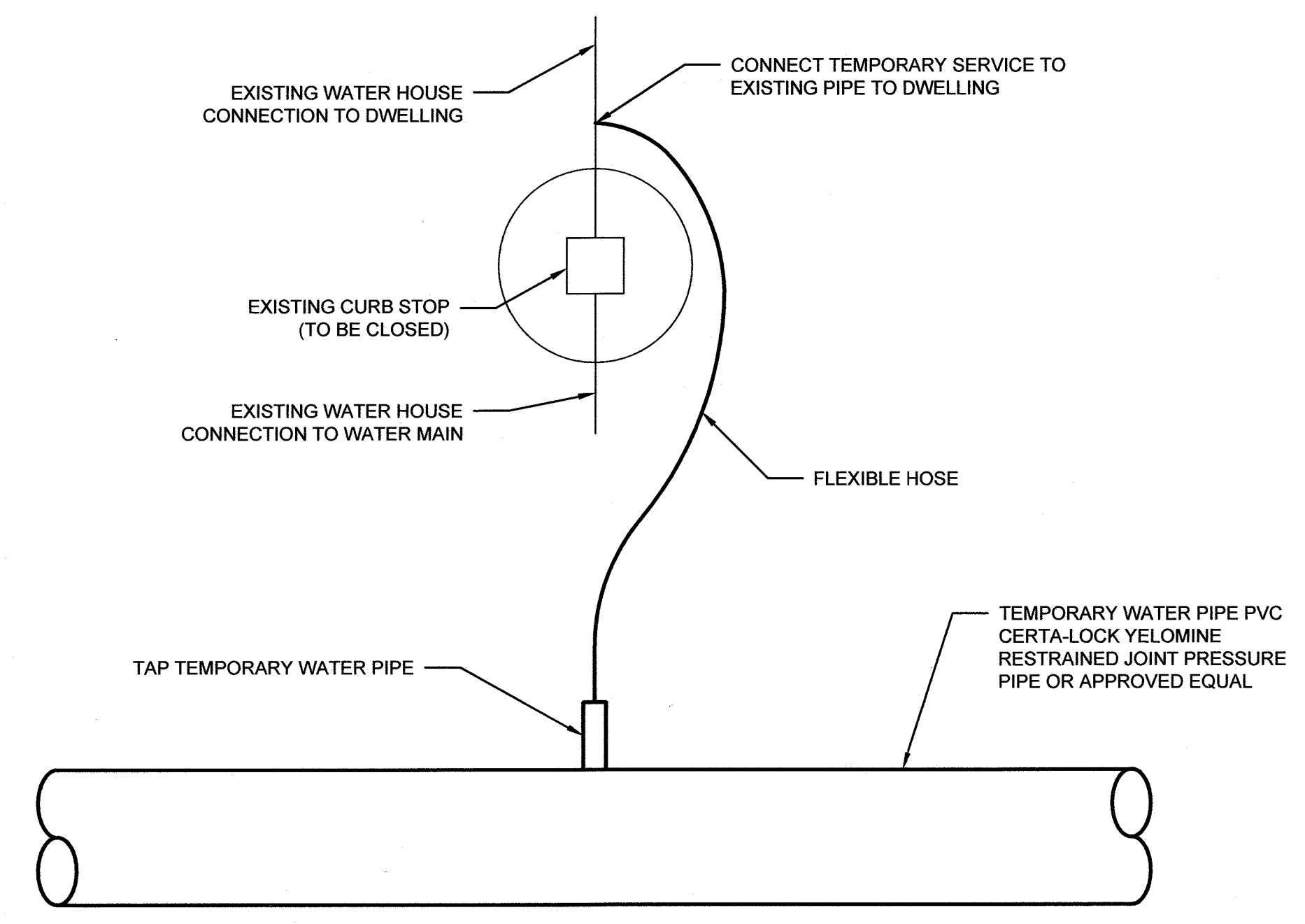
SCALE AS SHOWN
 SHEET 14 OF 37



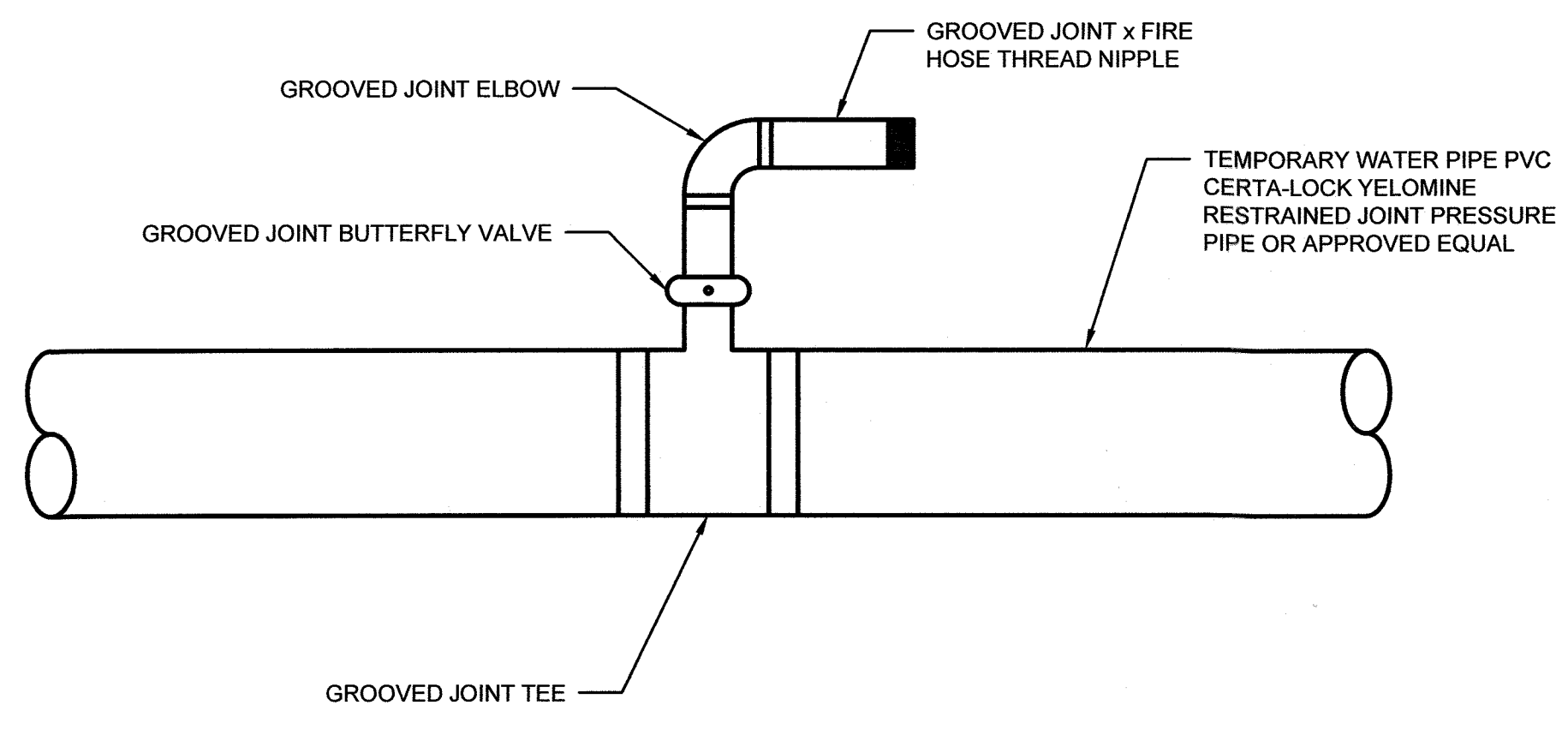
TEMPORARY WATER ROAD CROSSING DETAIL
NOT TO SCALE



TEMPORARY WATER HOUSE CONNECTION OUTSIDE METER DETAIL
NOT TO SCALE



TEMPORARY WATER HOUSE CONNECTION INSIDE METER DETAIL
NOT TO SCALE



TEMPORARY WATER FIRE HYDRANT DETAIL
NOT TO SCALE

RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: *[Signature]* 11/8/2021
 Chief, Bureau of Engineering: *[Signature]* 11-4-22
 Chief, Bureau of Utilities: *[Signature]* 11/3/2021
 Chief, Utility Design Division: *[Signature]* 11/3/2021

O'BRIEN & GERE
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

PROFESSIONAL CERTIFICATION:
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STATE OF MARYLAND
JOSEPH P. CONLD
PROFESSIONAL ENGINEER

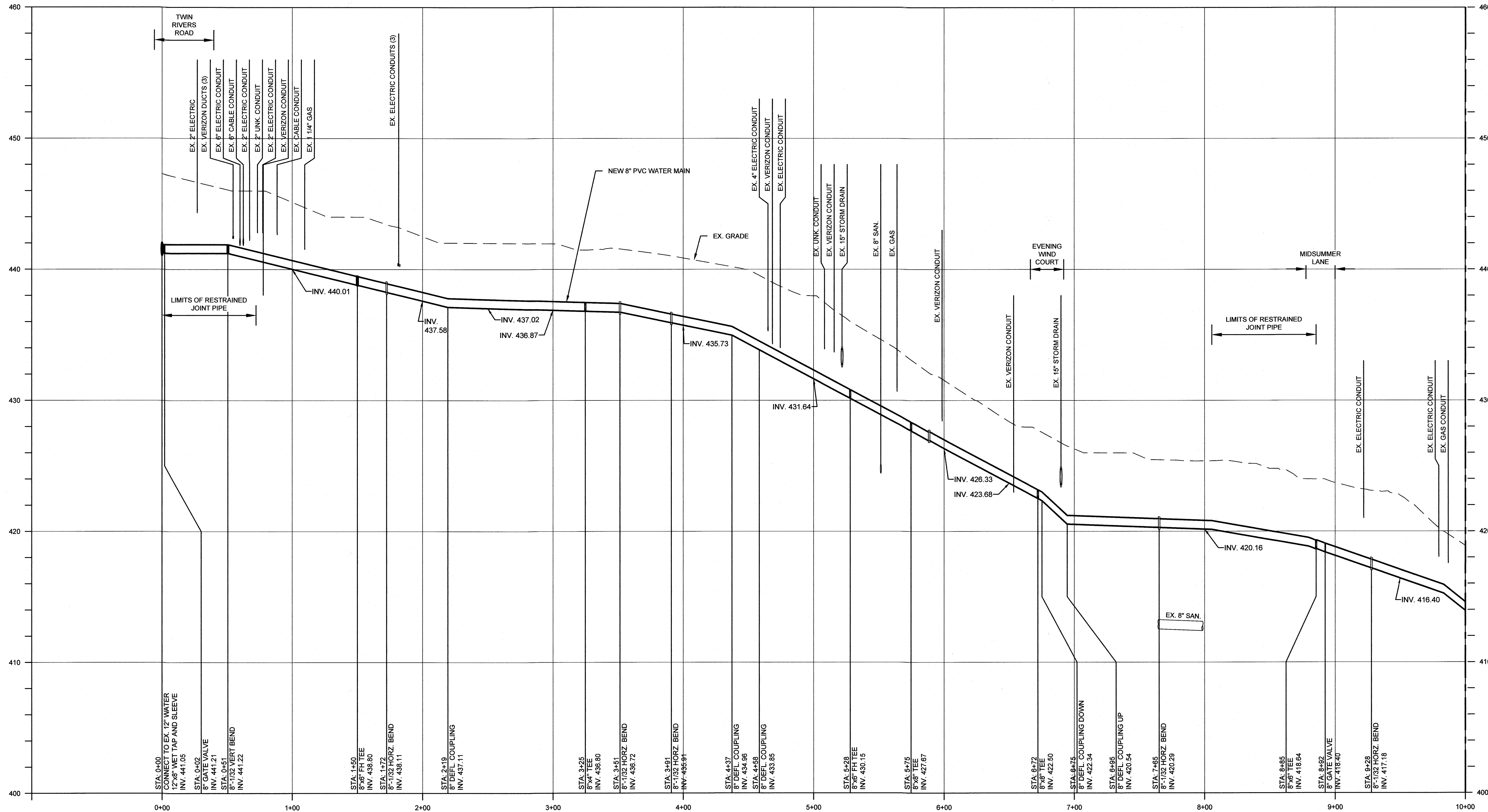
DSN. BY: C. PEARCE			
DRN. BY: P. WOLF			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

MISCELLANEOUS DETAILS

600' SCALE MAP NO. 30	BLOCK NO. 1, 19, 24
-----------------------	---------------------

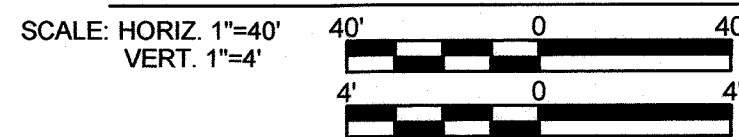
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT BRYANT WOODS
 CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 15 OF 37



MATCH LINE STA. 10+00
FOR CONTINUATION, SEE SHEET 17

PROFILE - GREEN MOUNTAIN CIRCLE STA. 0+00 TO STA. 10+00



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director
DIRECTOR OF PUBLIC WORKS
DATE: 11/8/2021

Chief
CHIEF, BUREAU OF ENGINEERING
DATE: 11-4-21

Chief
CHIEF, UTILITY DESIGN DIVISION
DATE: 11/5/2021

G O BRIEN & GERE
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

PROFESSIONAL CERTIFICATION:
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STATE OF MARYLAND
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT
STA. 0+00 TO STA. 10+00
PROFILE

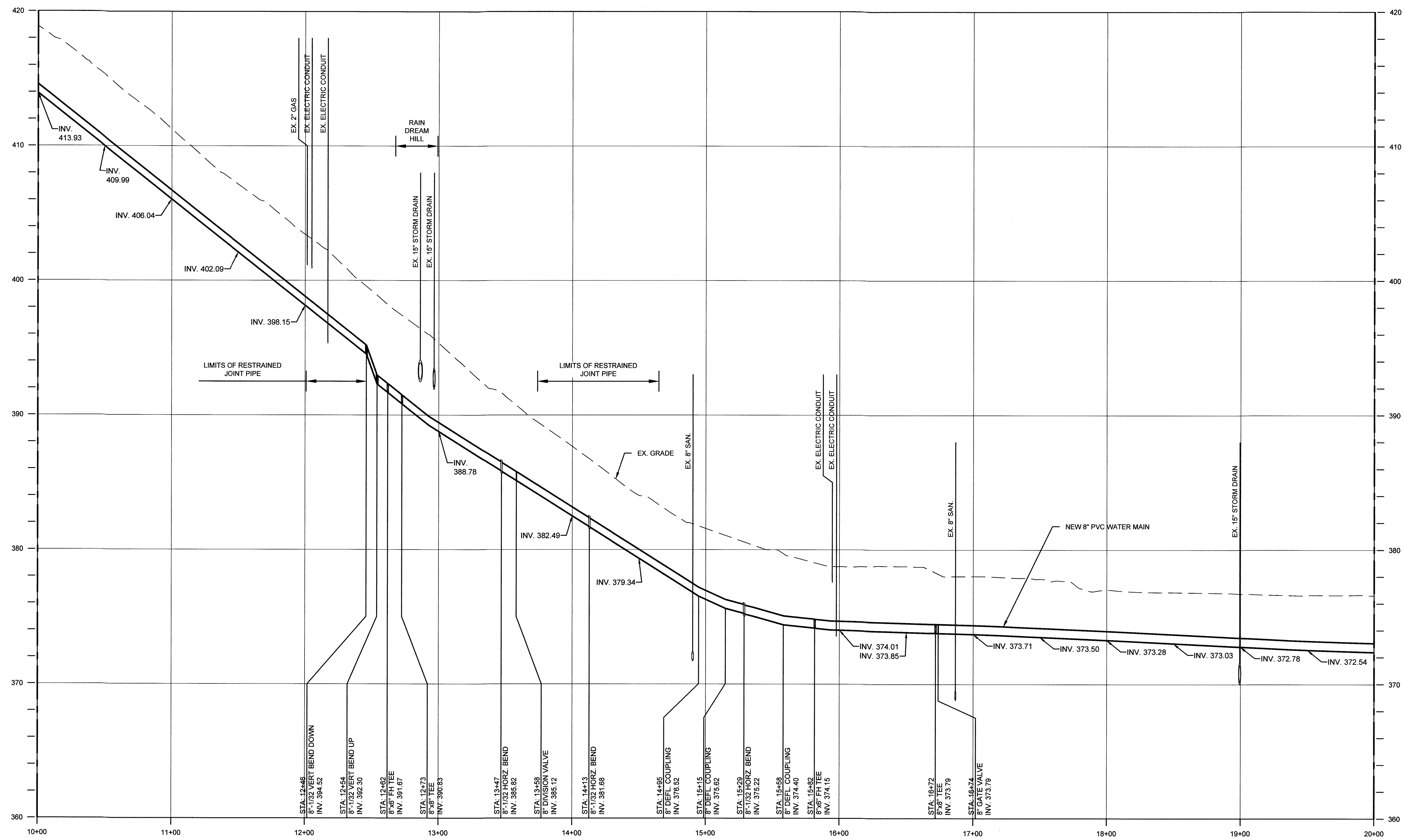
600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

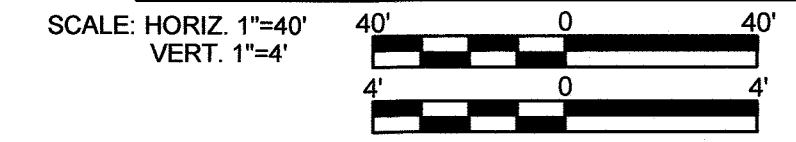
SCALE AS SHOWN
SHEET 16 OF 37

MATCH LINE STA. 10+00
FOR CONTINUATION, SEE SHEET 16

MATCH LINE STA. 20+00
FOR CONTINUATION, SEE SHEET 18



PROFILE - GREEN MOUNTAIN CIRCLE STA. 10+00 TO STA. 20+00



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-22
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 10/25/2021
CHIEF, UTILITY DESIGN DIVISION DATE

G O BRIEN & GERE
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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. 55452, EXPIRATION DATE 12/23/2021

[Seal]
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

**GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT
STA. 10+00 TO STA. 20+00
PROFILE**

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

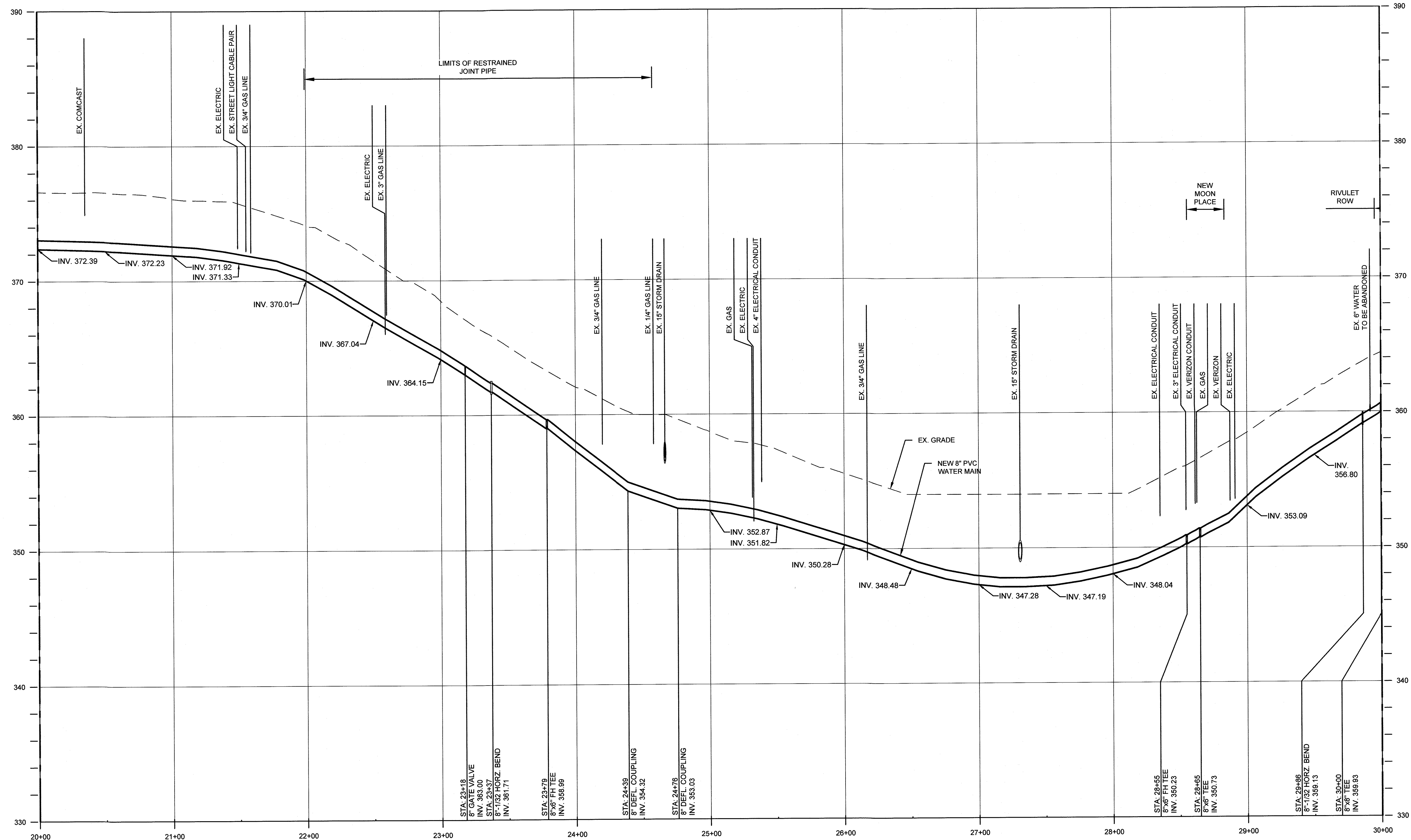
RECORD DRAWINGS

**WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS**

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

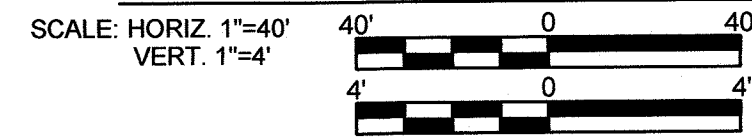
SCALE AS SHOWN
SHEET 17 OF 37

MATCH LINE STA. 20+00
FOR CONTINUATION, SEE SHEET 17



MATCH LINE STA. 30+00
FOR CONTINUATION, SEE SHEET 19

PROFILE - GREEN MOUNTAIN CIRCLE STA. 20+00 TO STA. 30+00



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/5/2021
CHIEF, UTILITY DESIGN DIVISION DATE

O'Brien & Gere

4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

PROFESSIONAL CERTIFICATION:
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[Signature]
JOSEPH P. COLLIER
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS
	BY	NO.	REVISION
			DATE: 08/21

GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT
STA. 20+00 TO STA. 30+00
PROFILE

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

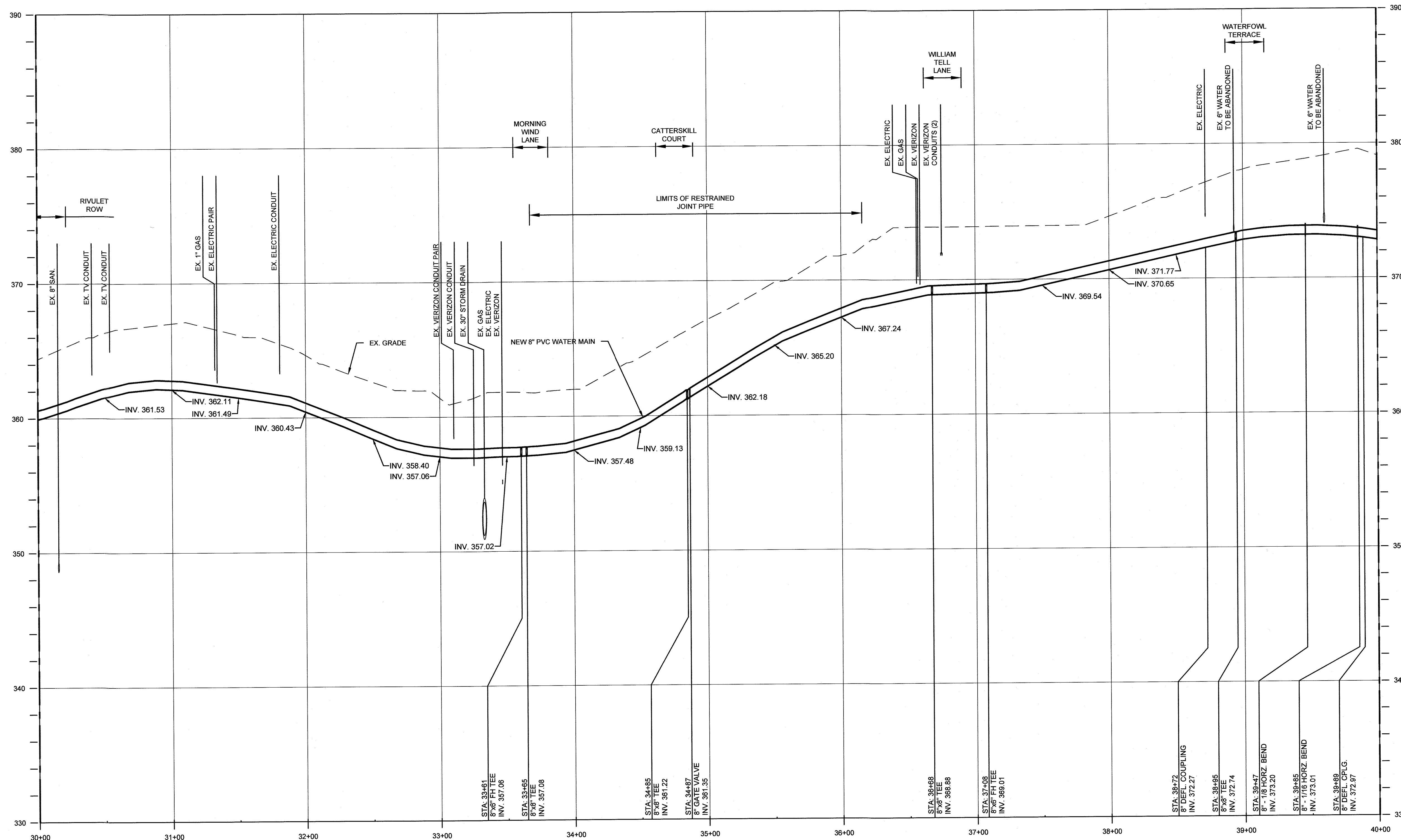
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

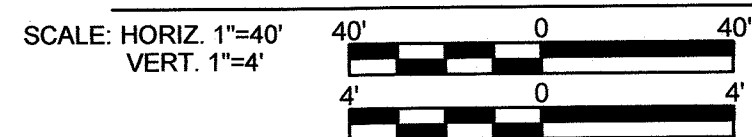
SHEET 18 OF 37

MATCH LINE STA. 30+00
FOR CONTINUATION, SEE SHEET 18



MATCH LINE STA. 40+00
FOR CONTINUATION, SEE SHEET 20

PROFILE - GREEN MOUNTAIN CIRCLE STA. 30+00 TO STA. 40+00



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
 Director of Public Works: *[Signature]* 11/5/2021
 Chief, Bureau of Engineering: *[Signature]* 11-4-21
 Chief, Bureau of Utilities: *[Signature]* 11/5/2021
 Chief, Utility Design Division: *[Signature]* 10/9/2021

O BRIEN & GERE
 4201 MITCHELLVILLE ROAD
 SUITE 500
 BOWIE, MD 20716
 PHONE: 301-731-5622

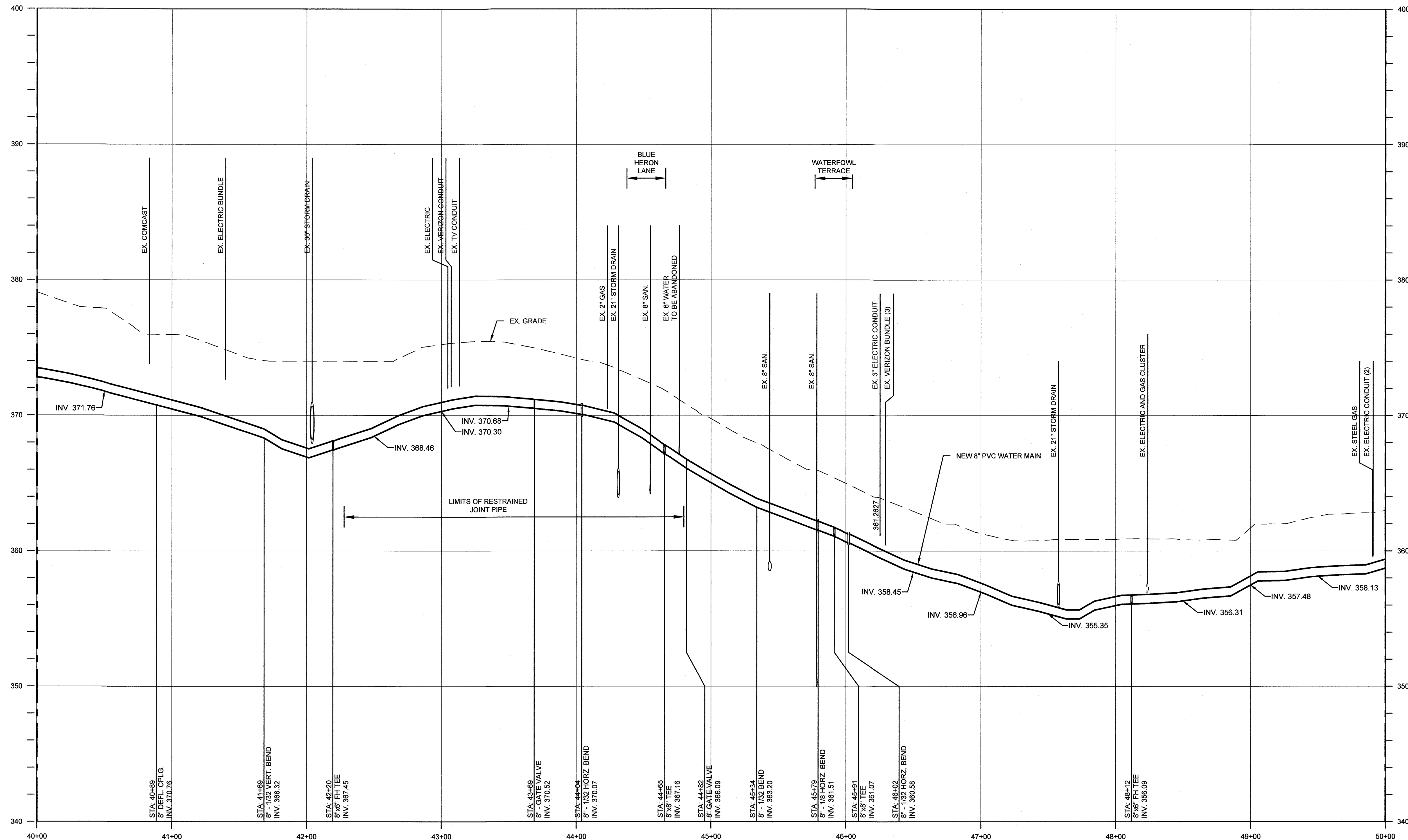
PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 55452, EXPIRATION DATE 12/23/2021.

DSN. BY: C. PEARCE					
DRN. BY: B. LEMMON					
CHK. BY: J. CONTI					
DATE: 04/18	JPC	0	RECORD DRAWINGS	08/21	
	BY	NO.	REVISION	DATE	

GREEN MOUNTAIN CIRCLE
 8" WATER MAIN REPLACEMENT
 STA. 30+00 TO STA. 40+00
 PROFILE
 600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

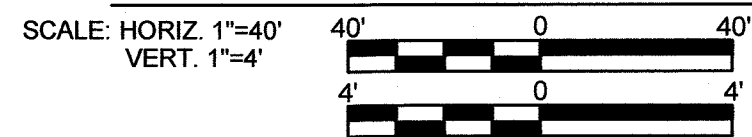
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
 BRYANT WOODS
 CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

MATCH LINE STA. 40+00
FOR CONTINUATION, SEE SHEET 19



MATCH LINE STA. 50+00
FOR CONTINUATION, SEE SHEET 21

PROFILE - GREEN MOUNTAIN CIRCLE STA. 40+00 TO STA. 50+00



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/15/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 12/21/21
CHIEF, UTILITY DESIGN DIVISION DATE

G O BRIEN & GERE

4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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LAWS OF THE STATE OF
MARYLAND, LICENSE NO.
55452, EXPIRATION DATE
12/23/2021

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CHK. BY: J. CONTI					
DATE: 04/18	JPC	0	RECORD DRAWINGS	08/21	
	BY	NO.	REVISION	DATE	

GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT
STA. 40+00 TO STA. 50+00
PROFILE

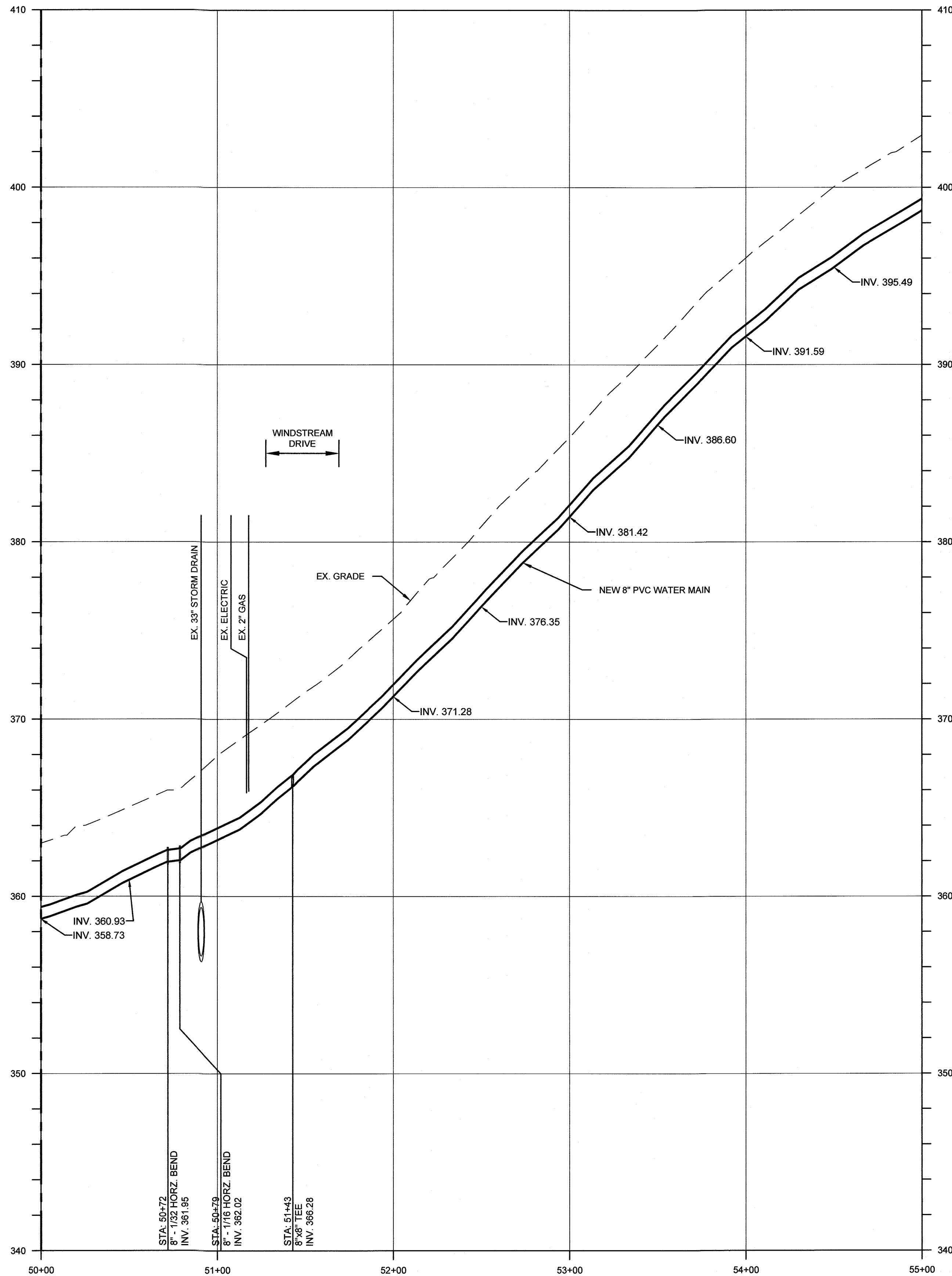
600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

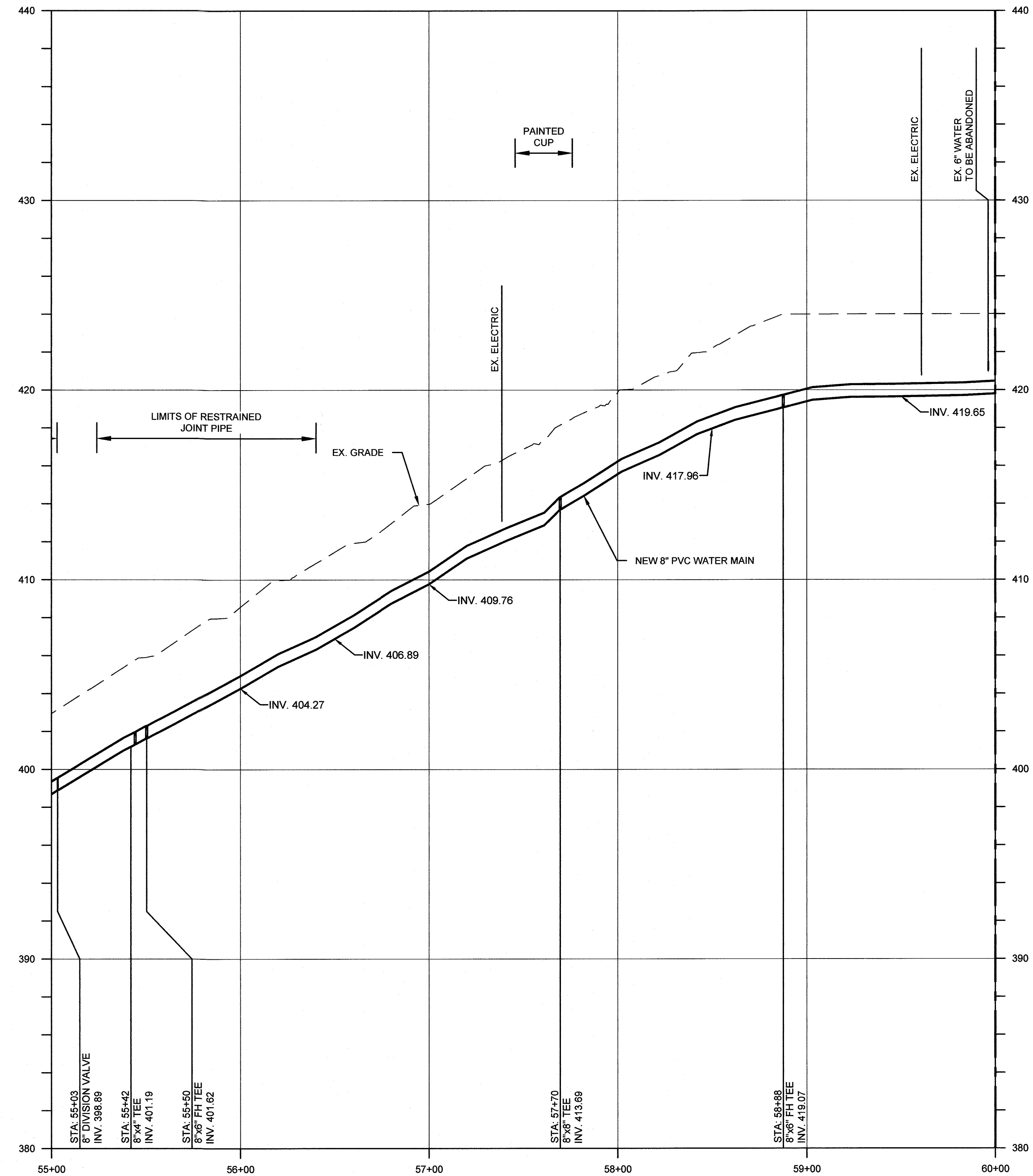
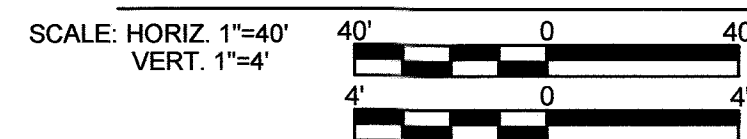
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 20 OF 37

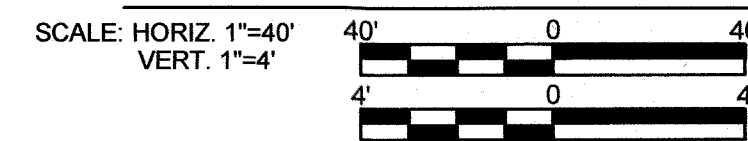
MATCH LINE STA. 50+00
FOR CONTINUATION, SEE SHEET 20



PROFILE - GREEN MOUNTAIN CIRCLE STA. 50+00 TO STA. 55+00



PROFILE - GREEN MOUNTAIN CIRCLE STA. 55+00 TO STA. 60+00



MATCH LINE STA. 60+00
FOR CONTINUATION, SEE SHEET 22

RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Melvin 11/8/20
DIRECTOR OF PUBLIC WORKS DATE

Kam 11-4-23
CHIEF, BUREAU OF ENGINEERING DATE

Nona 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

Wesley 10/23/2021
CHIEF, UTILITY DESIGN DIVISION DATE

O'Brien & Gere
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

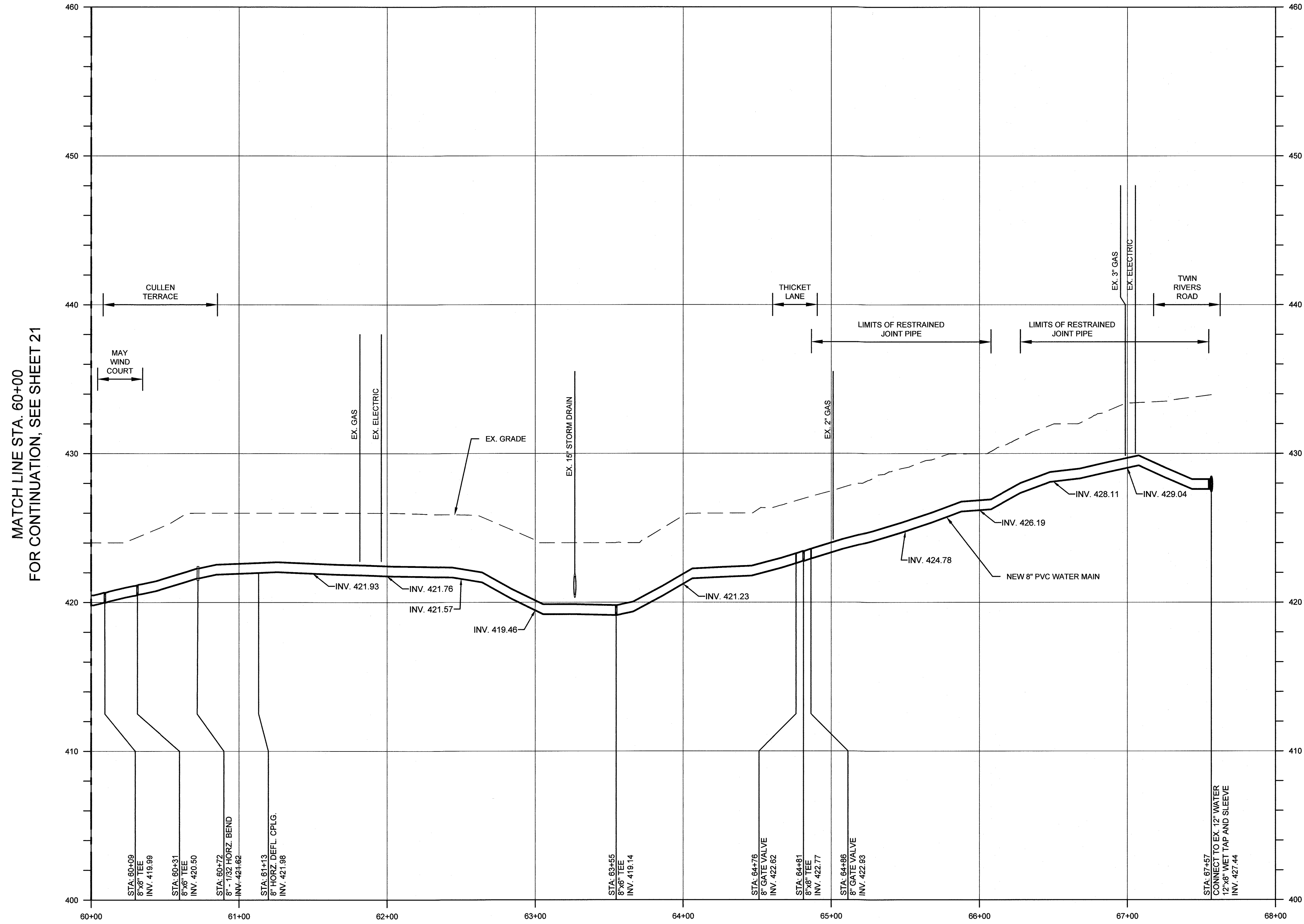
GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT
STA. 50+00 TO STA. 60+00
PROFILE

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

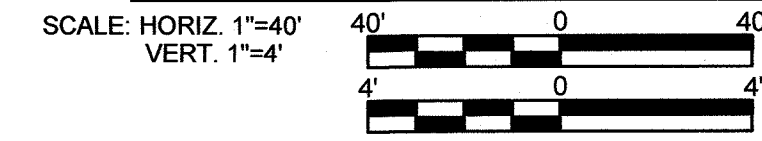
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 21 OF 37



MATCH LINE STA. 60+00
FOR CONTINUATION, SEE SHEET 21

PROFILE - GREEN MOUNTAIN CIRCLE STA. 60+00 TO STA. 67+57



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HOWARD COUNTY, MARYLAND

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CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/5/2021
CHIEF, UTILITY DESIGN DIVISION DATE

O BRIEN & GERE

4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
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[Seal]
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

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DRN. BY: B. LEMMON					
CHK. BY: J. CONTI					
DATE: 04/18	JPC	0	RECORD DRAWINGS	08/21	
	BY	NO.	REVISION	DATE	

**GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT
STA. 60+00 TO STA. 67+57
PROFILE**

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

RECORD DRAWINGS

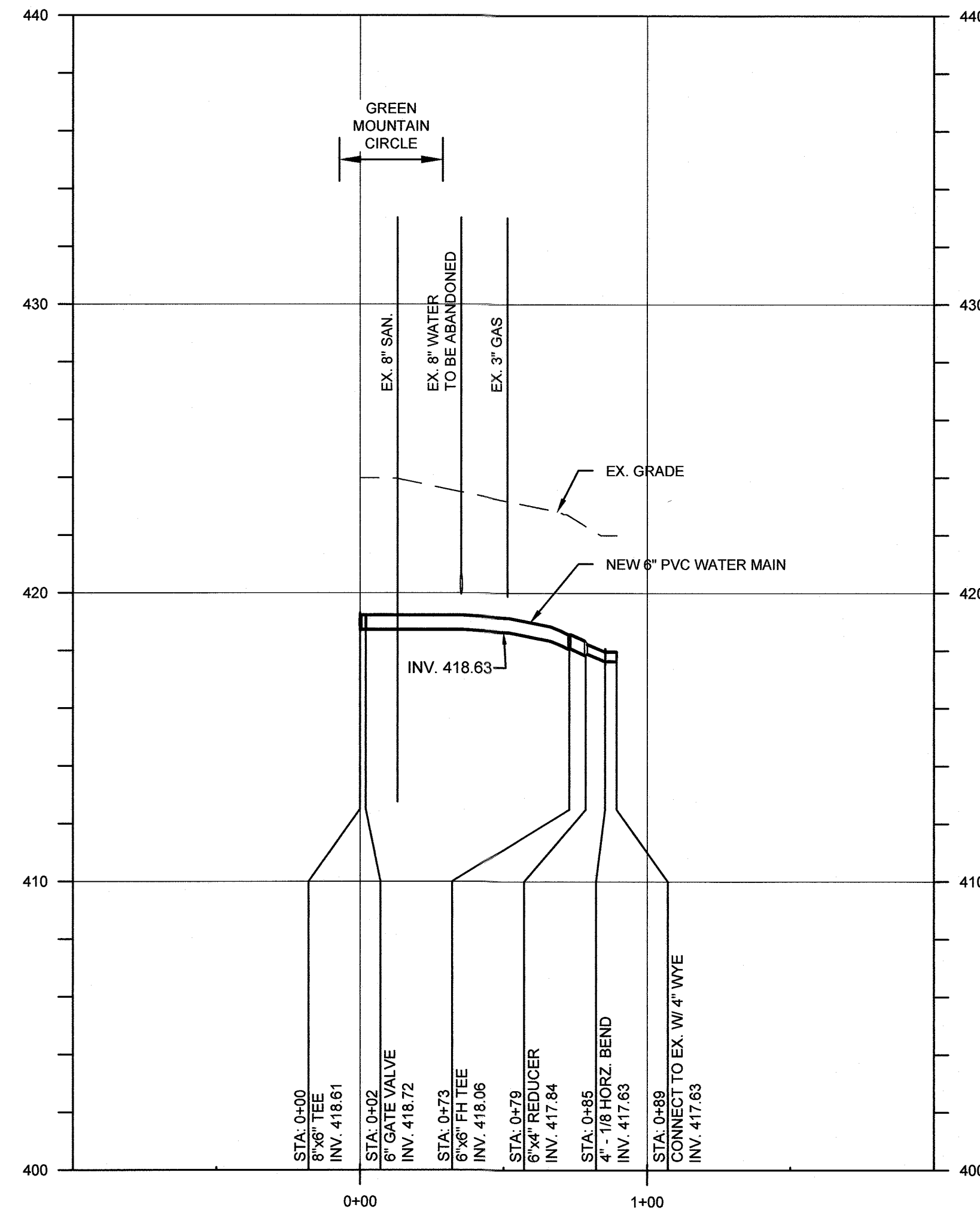
**WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS**

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

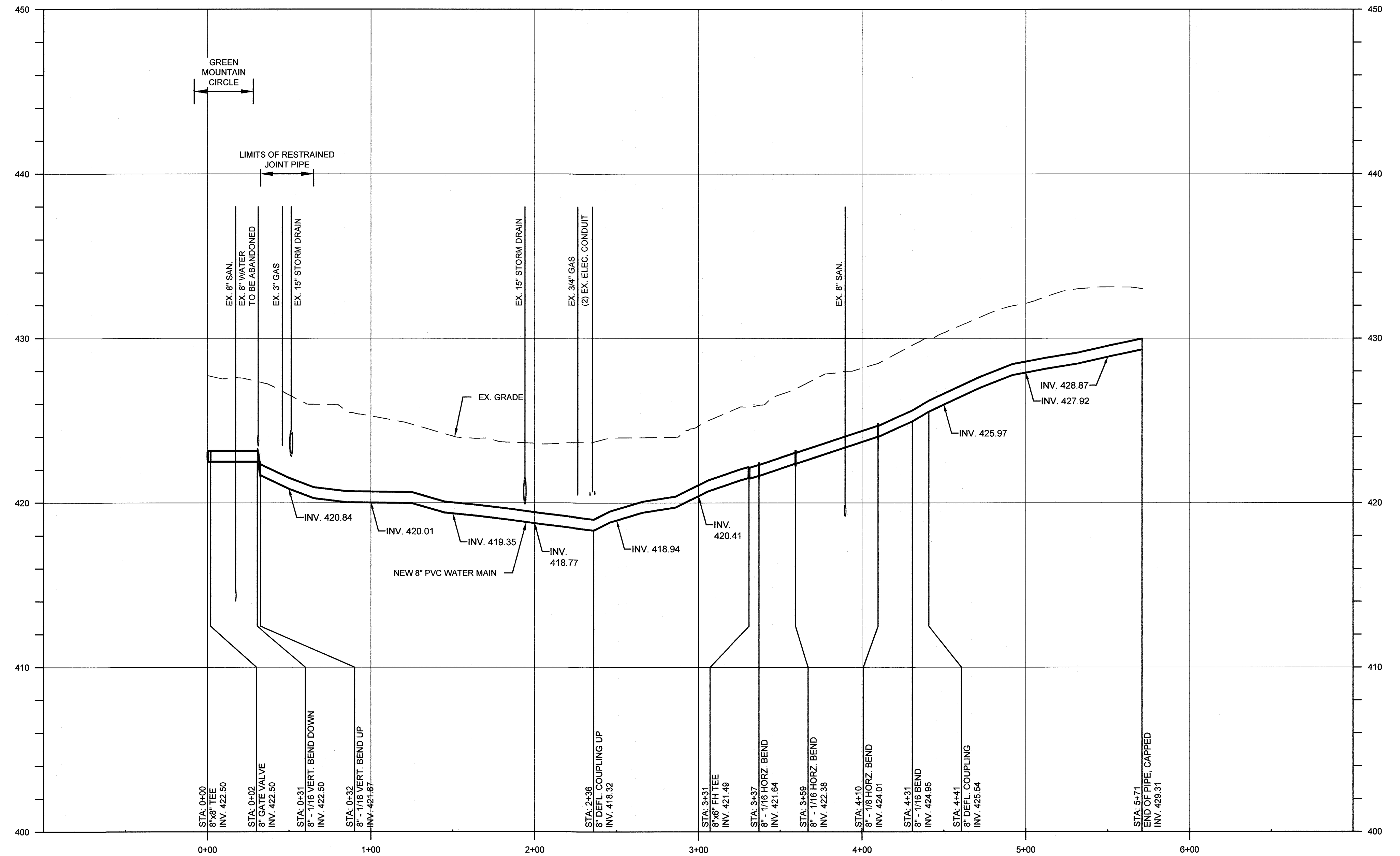
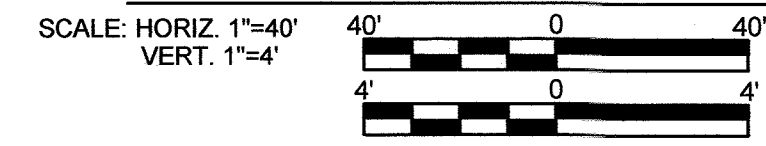
SCALE AS SHOWN

SHEET 22 OF 37

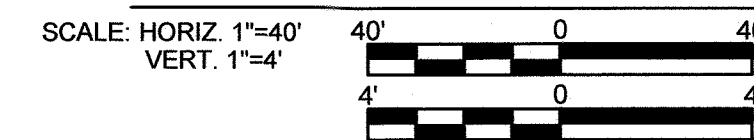
FILE NO. 68116-028



PROFILE - MIDSUMMER LANE



PROFILE - EVENING WIND COURT



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/15/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 10/15/2021
CHIEF, UTILITY DESIGN DIVISION DATE

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[Signature]
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PROFESSIONAL ENGINEER

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CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS 08/21
	BY	NO.	REVISION

MIDSUMMER LANE
EVENING WIND COURT
6", 8" WATER MAIN REPLACEMENT PROFILES

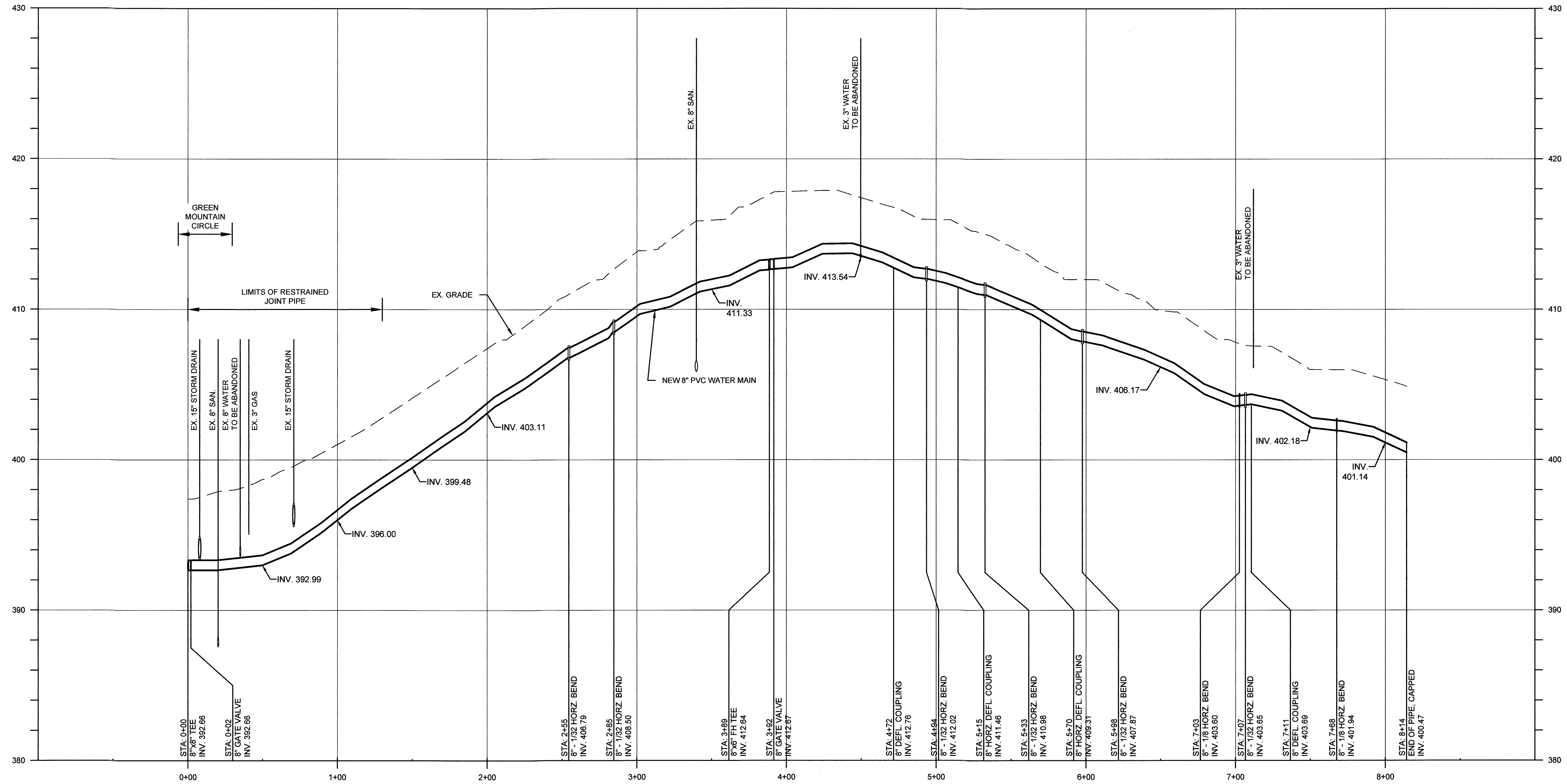
600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

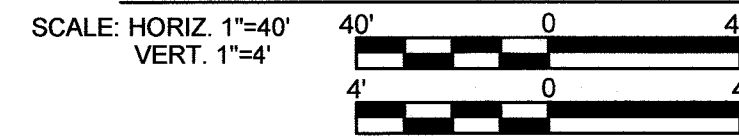
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 23 OF 37



PROFILE - RAIN DREAM HILL



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Melvin 11/6/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11-4-20
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 10/29/2021
CHIEF, UTILITY DESIGN DIVISION DATE

O'Brien & Gere
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
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STATE OF MARYLAND
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS
	BY	NO.	REVISION
			DATE: 08/21

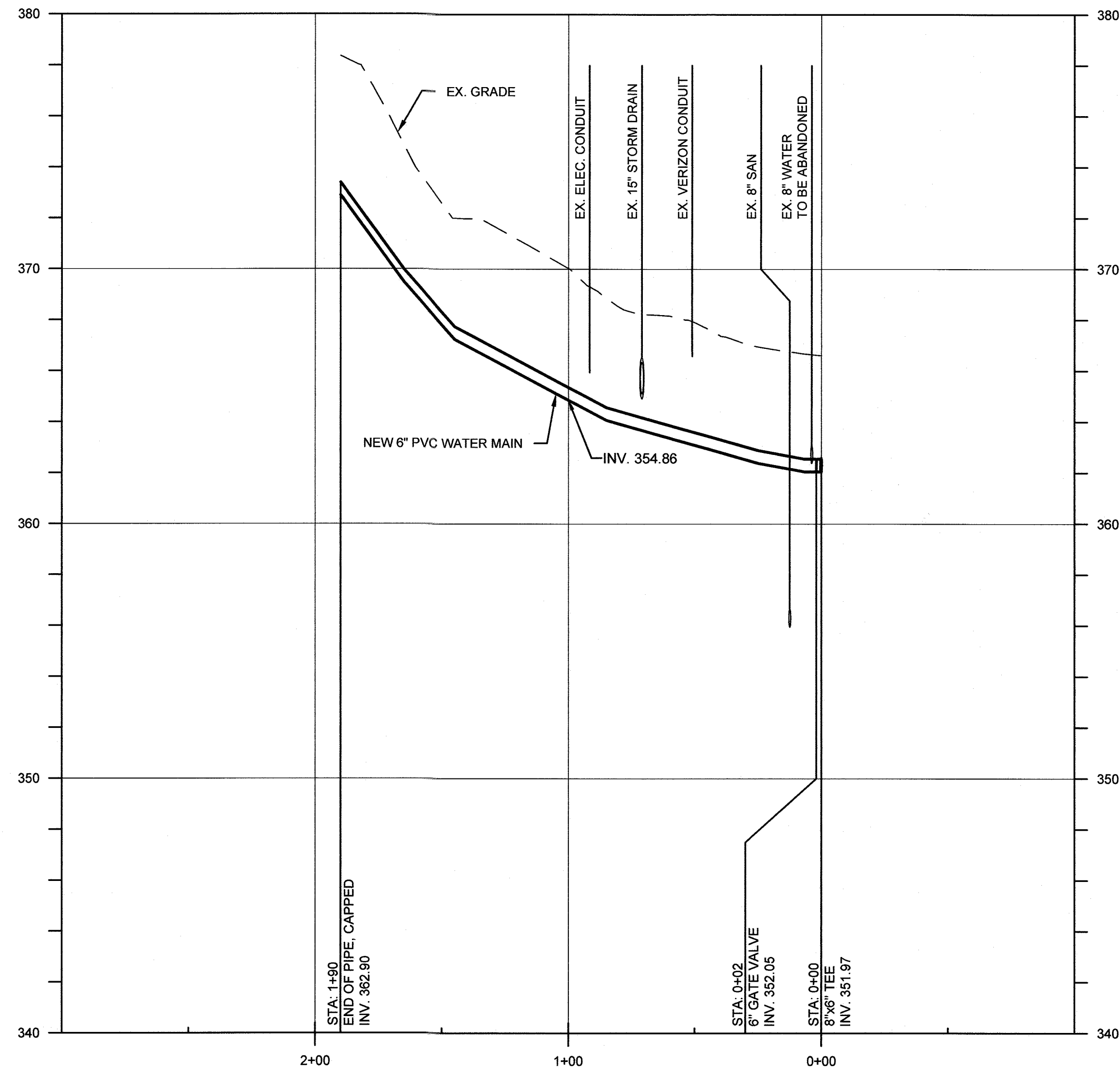
**RAIN DREAM HILL
8" WATER MAIN REPLACEMENT
PROFILE**

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

**WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS**

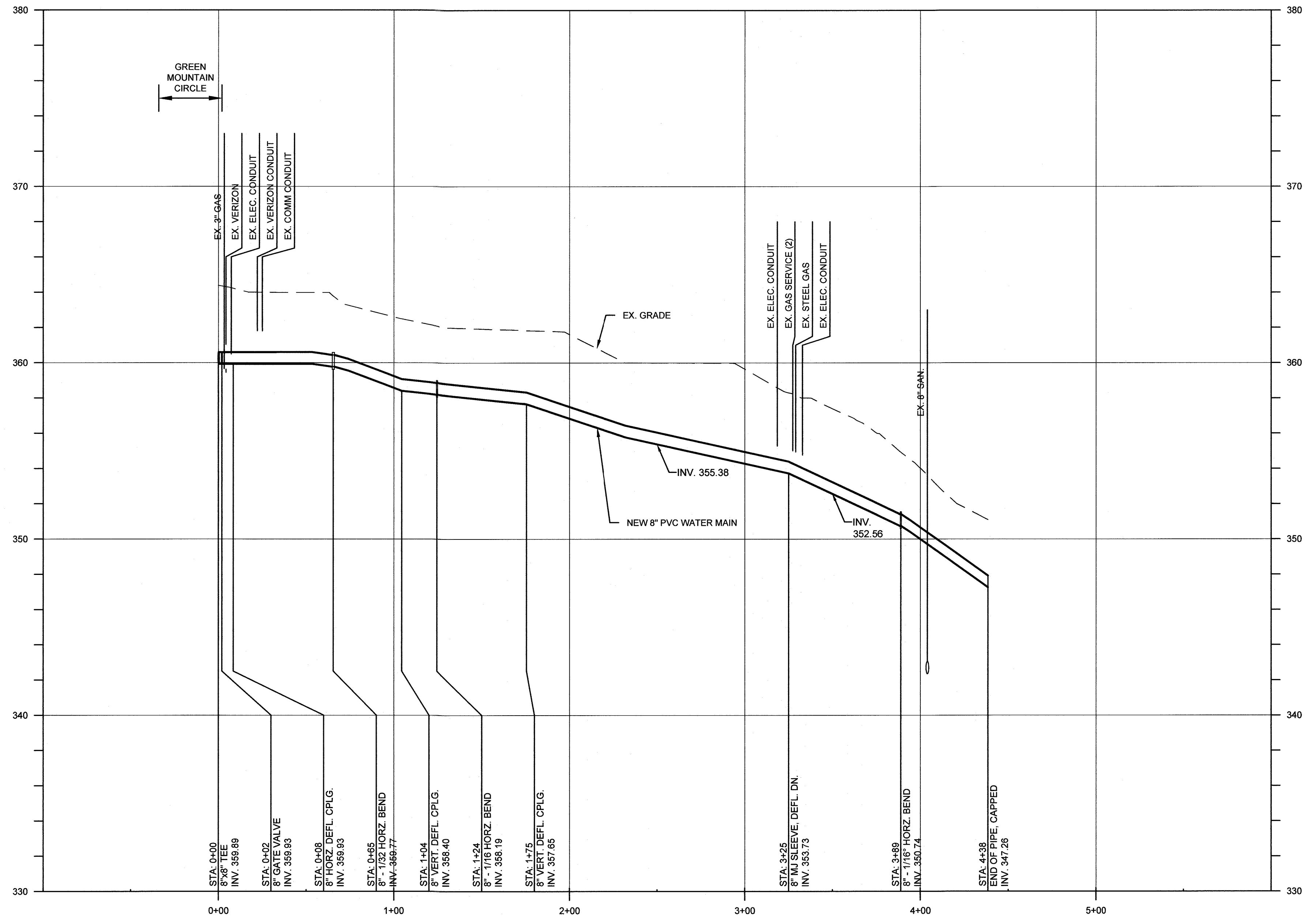
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 24 OF 37



PROFILE - NEW MOON PLACE

SCALE: HORIZ. 1"=40'
VERT. 1"=4'



PROFILE - RIVULET ROW

SCALE: HORIZ. 1"=40'
VERT. 1"=4'

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

[Signature]
DIRECTOR OF PUBLIC WORKS
DATE: 11/5/2021

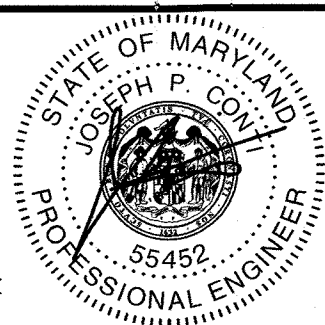
[Signature]
CHIEF, BUREAU OF ENGINEERING
DATE: 11-4-21

[Signature]
CHIEF, UTILITY DESIGN DIVISION
DATE: 10/29/2021



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DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	08/21
	BY	NO.	REVISION

NEW MOON PLACE,
RIVULET ROW
6", 8" WATER MAIN REPLACEMENT
PROFILES

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

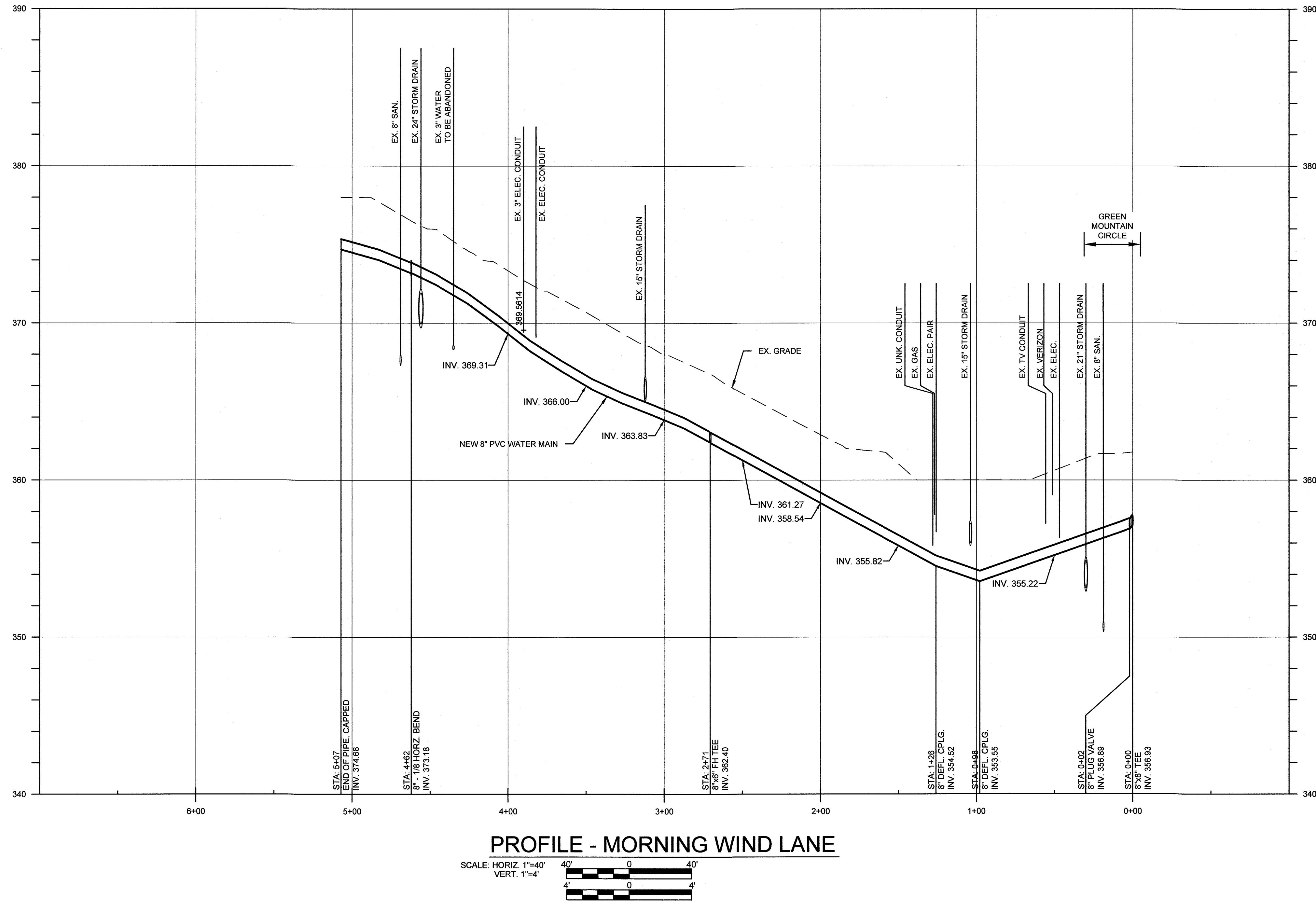
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

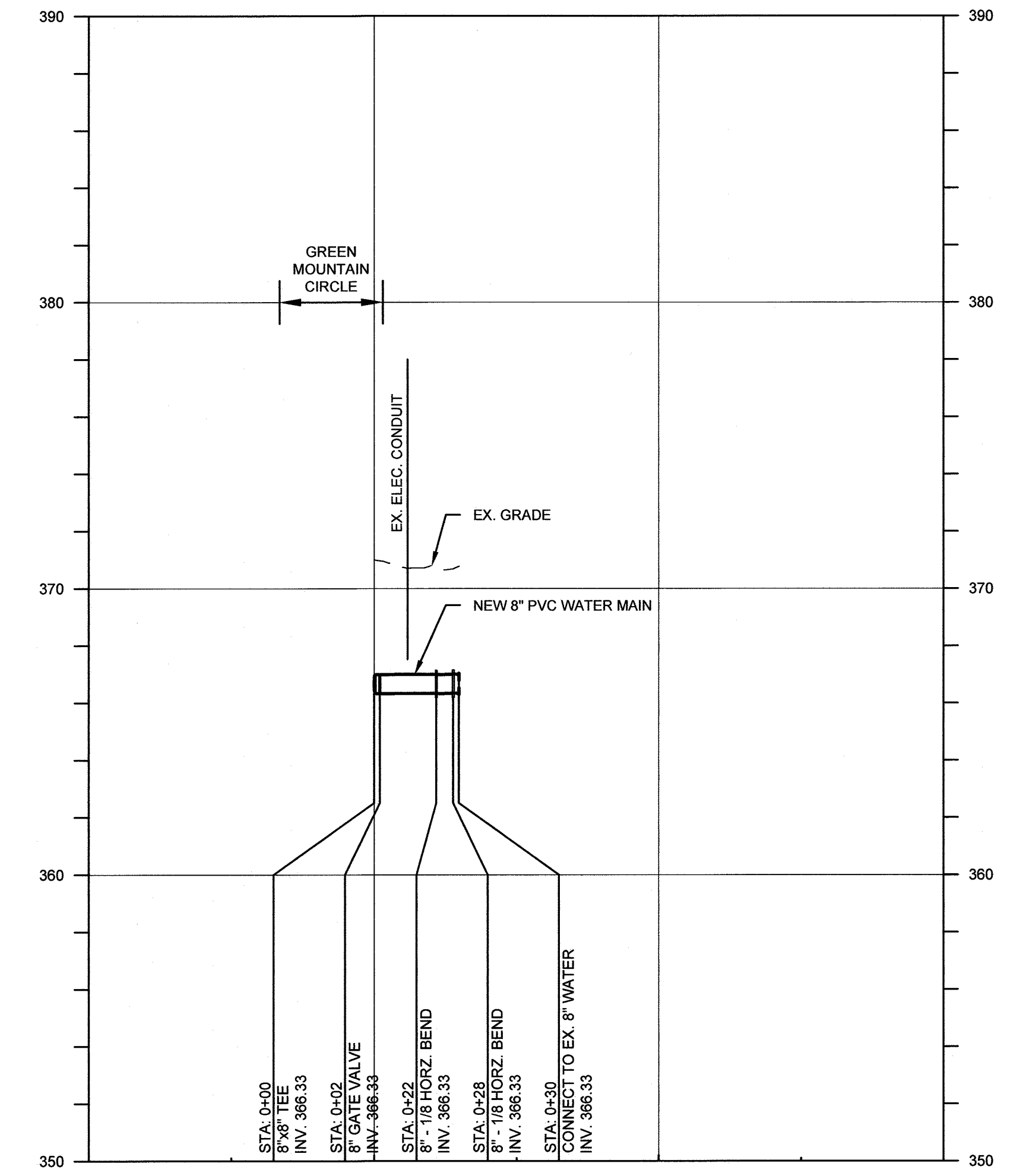
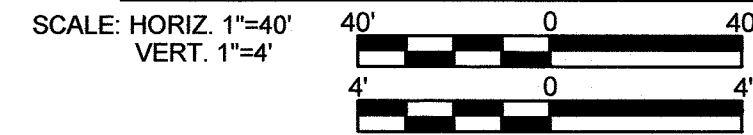
SHEET

25 OF 37

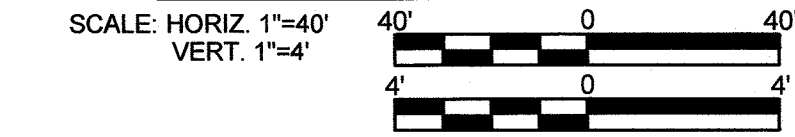
RECORD DRAWINGS



PROFILE - MORNING WIND LANE



PROFILE - WINDSTREAM DRIVE



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/5/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11-4-21
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G O BRIEN & GERE

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	BY	NO.	REVISION
			DATE: 08/21

MORNING WIND LANE
WINDSTREAM DRIVE
8" WATER MAIN REPLACEMENT PROFILE

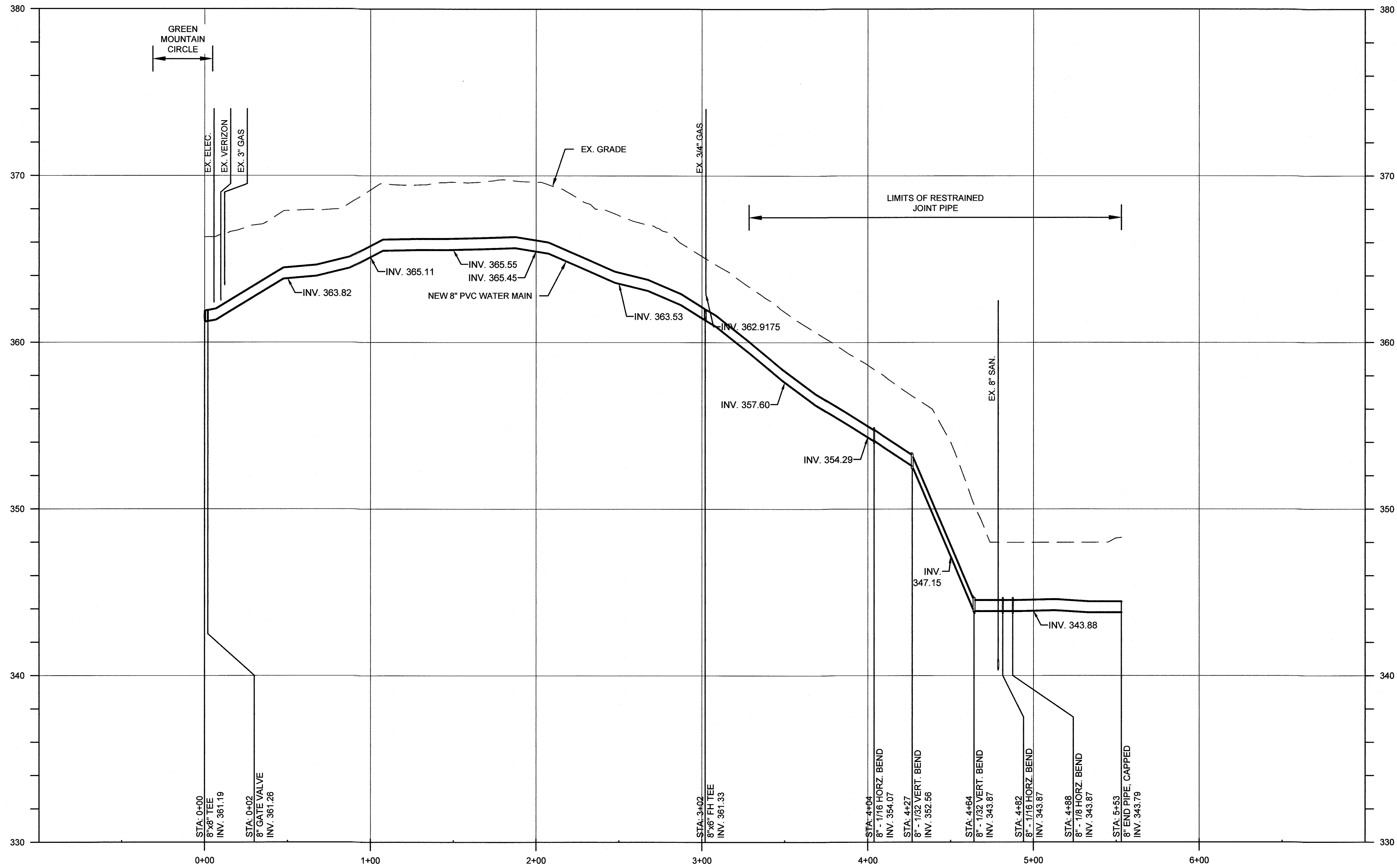
600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

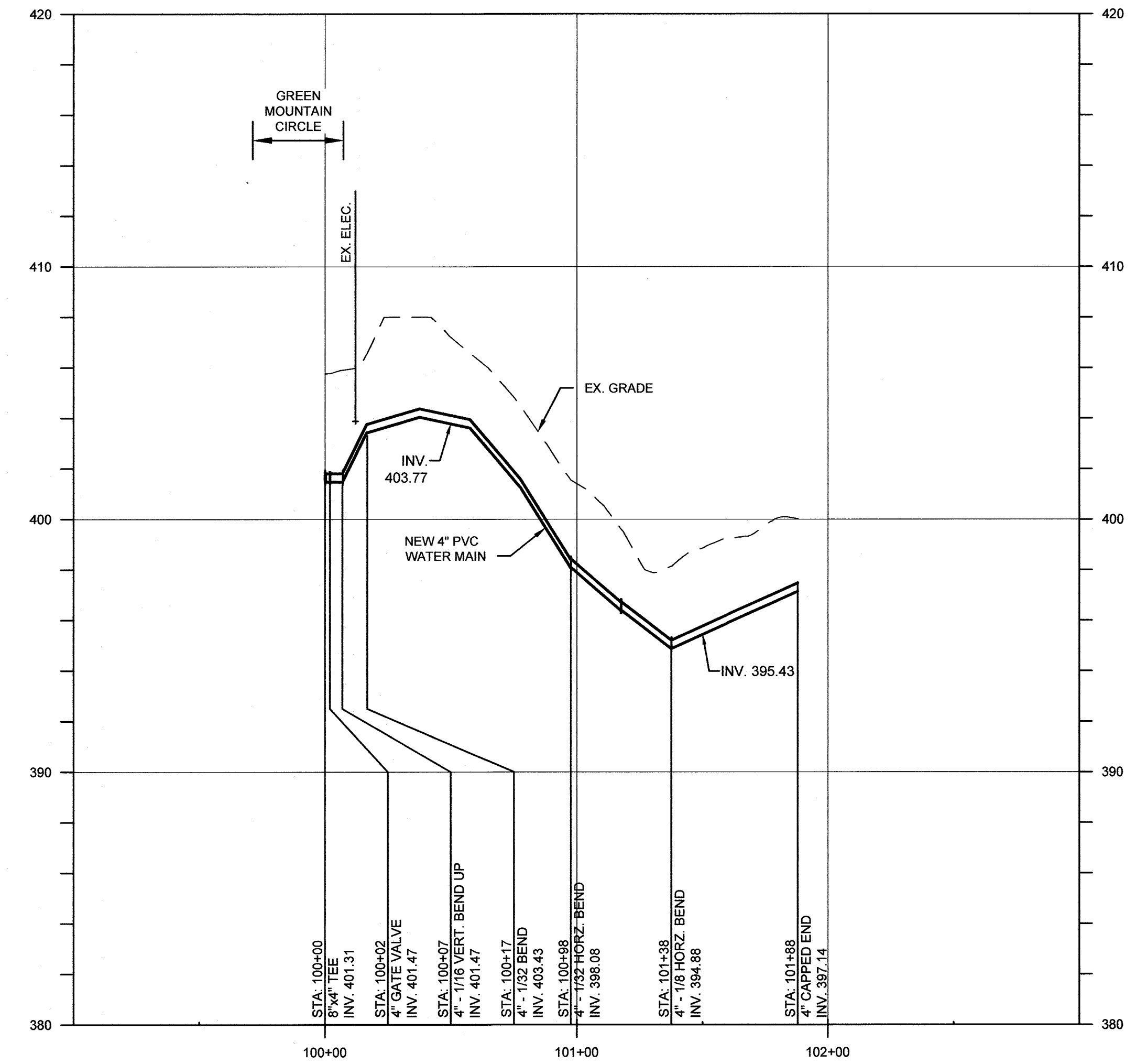
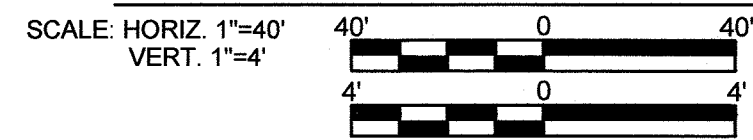
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

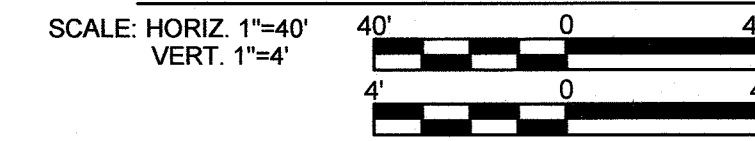
SHEET 26 OF 37



PROFILE - CATTERSKILL COURT



PROFILE - GREEN MOUNTAIN CIRCLE, #10382, 10384, 10386



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

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 CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11/4/21
 CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 10/21/21
 CHIEF, UTILITY DESIGN DIVISION DATE

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	BY NO.	REVISION	DATE

CATTERSKILL COURT
 8" WATER MAIN REPLACEMENT
 PROFILE

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

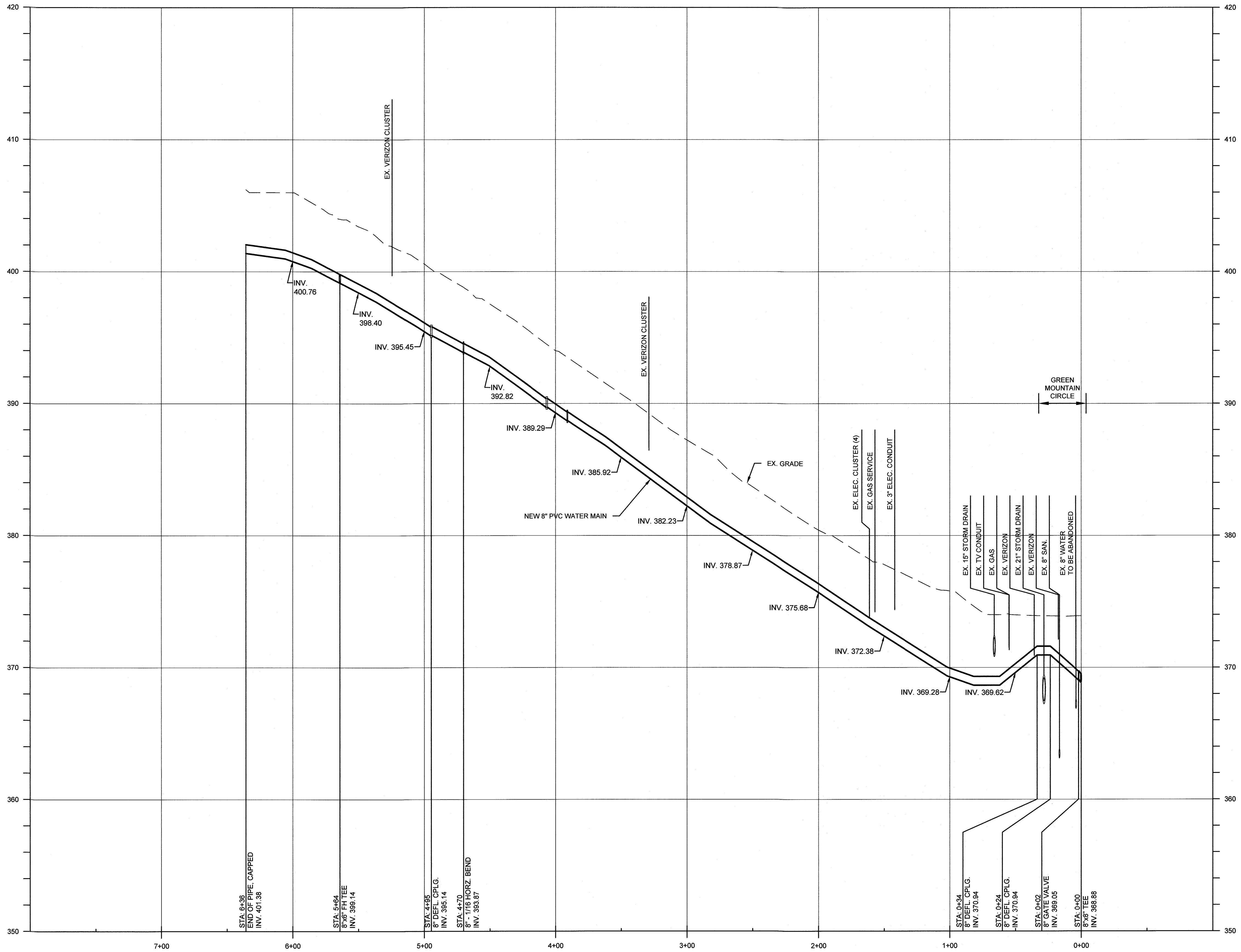
RECORD DRAWINGS

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
 BRYANT WOODS

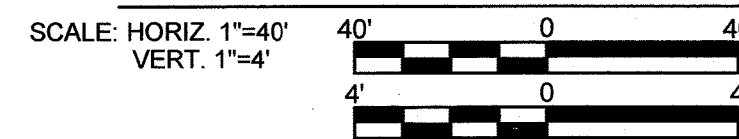
CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 27 OF 37



PROFILE - WILLIAM TELL LANE



RECORD DRAWINGS

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HOWARD COUNTY, MARYLAND

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[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

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CHIEF, UTILITY DESIGN DIVISION DATE

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[Seal] JOSEPH P. CONTI
PROFESSIONAL ENGINEER

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DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

WILLIAM TELL LANE
8" WATER MAIN REPLACEMENT
PROFILE

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

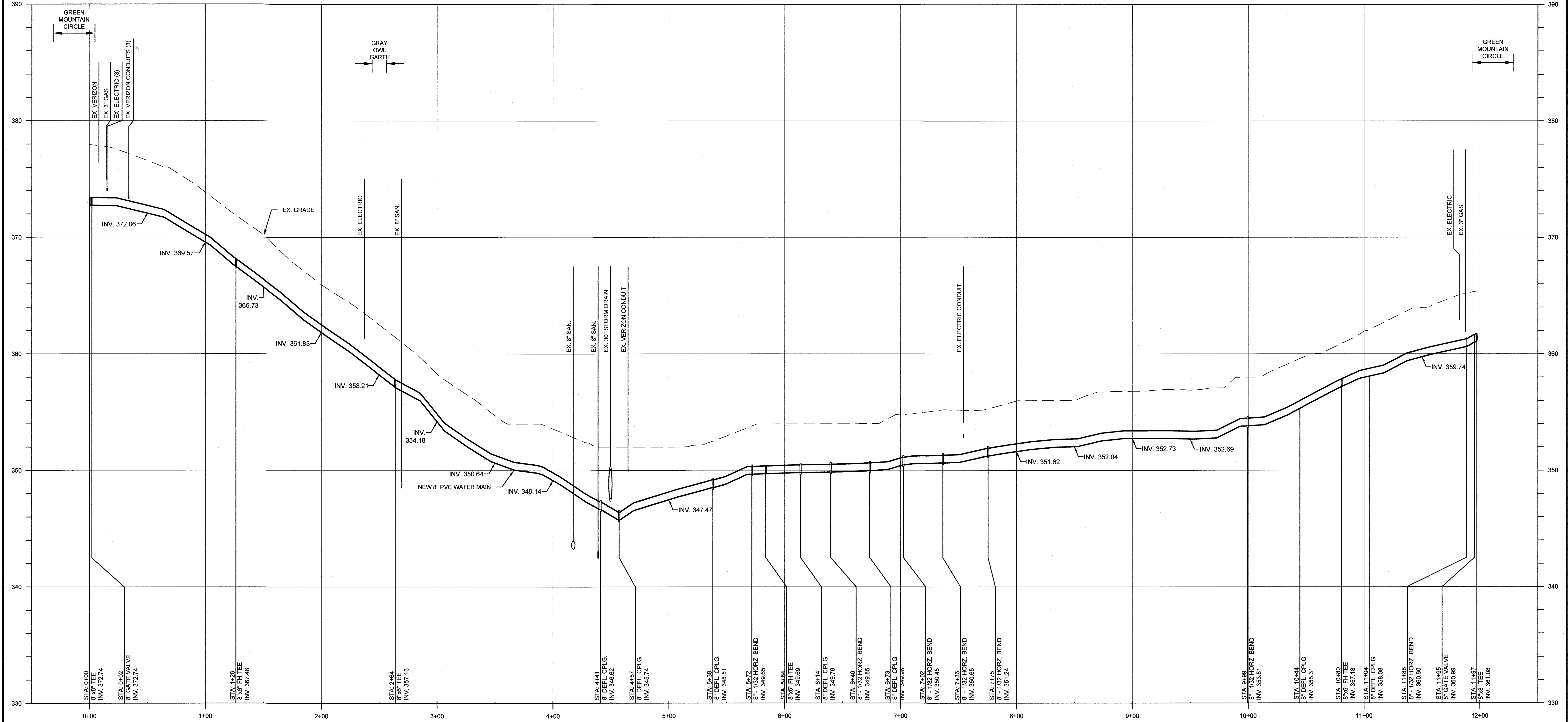
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

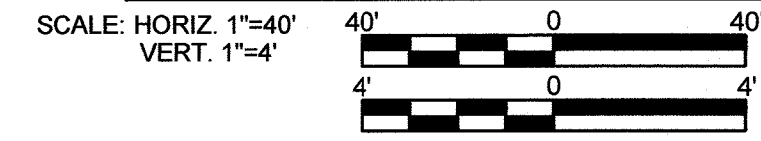
SCALE AS SHOWN

SHEET 28 OF 37

I:\HOWARD\CD\243172085 WILDE LAKE-WM-RDCCS\DWG\SHEETS\68116-036.DWG



PROFILE - WATERFOWL TERRACE



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
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[Signature] 11-4-20
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 10/25/2021
CHIEF, UTILITY DESIGN DIVISION DATE

O BRIEN & GERE
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CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

**WATERFOWL TERRACE
8" WATER MAIN REPLACEMENT
PROFILE**

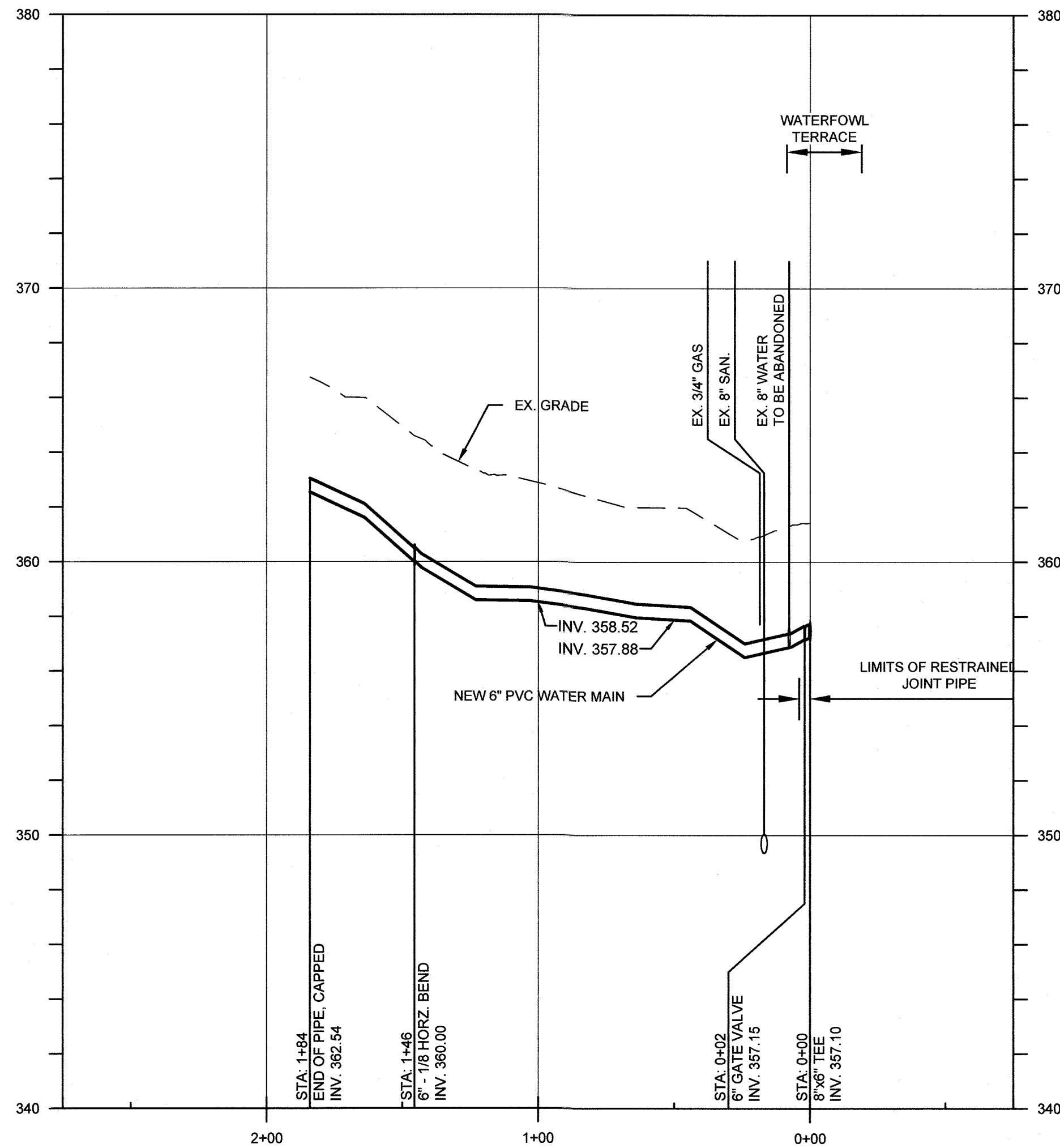
600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

RECORD DRAWINGS

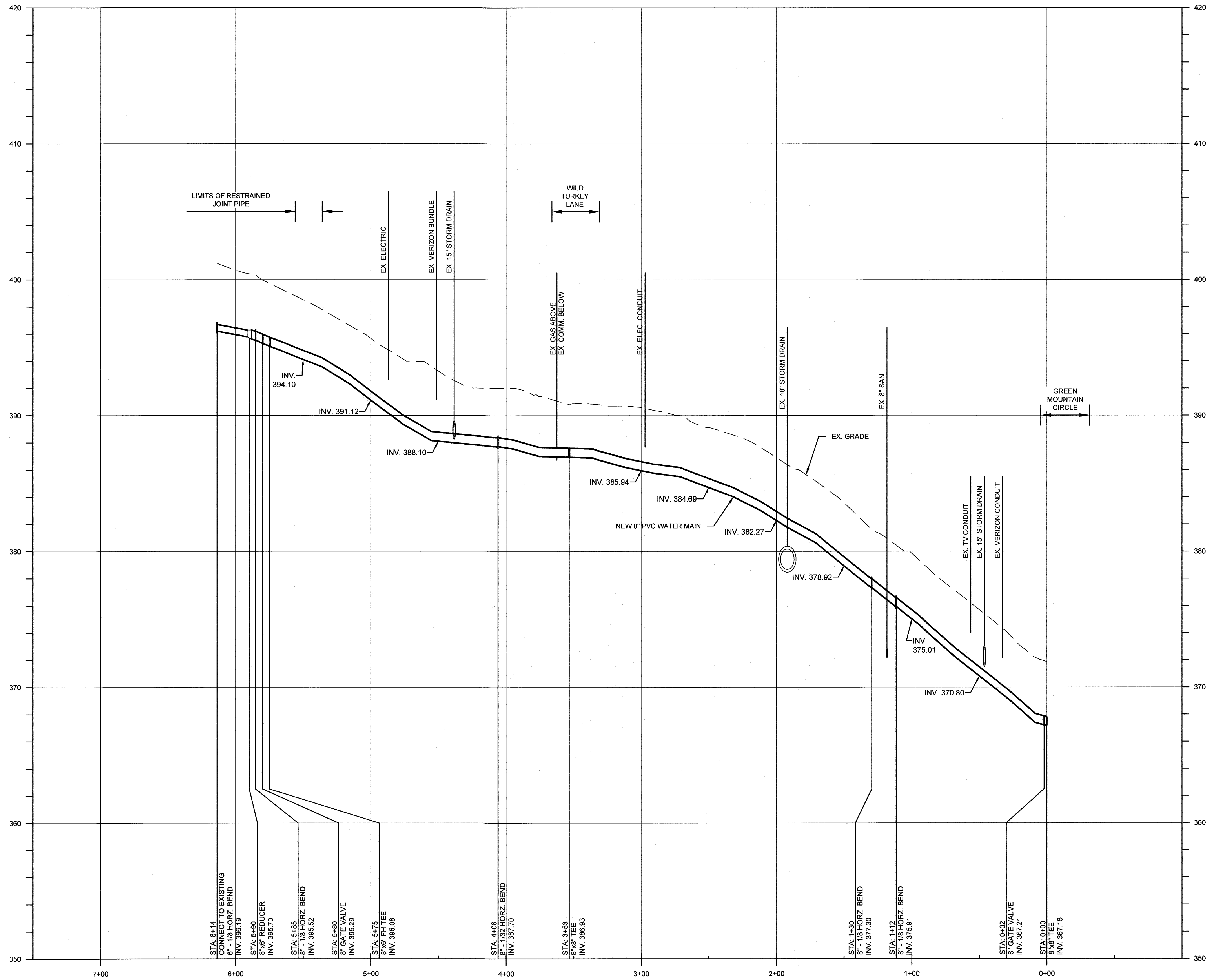
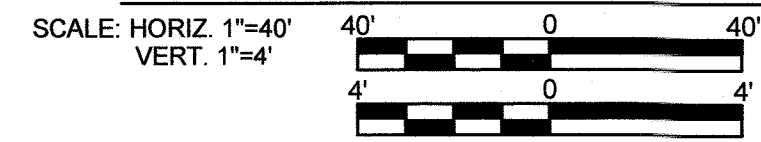
**WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS**

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

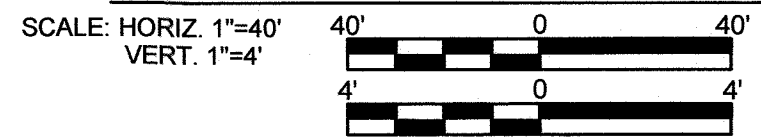
SCALE AS SHOWN
SHEET 29 OF 37
FILE NO. 68116-036



PROFILE - GRAY OWL GARTH



PROFILE - BLUE HERON LANE



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/21
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11/5/2021
CHIEF, UTILITY DESIGN DIVISION DATE

G O BRIEN & GERE

4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-6622

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 55452, EXPIRATION DATE 12/23/2021

[Signature]
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

GRAY OWL GARTH,
BLUE HERON LANE
6", 8" WATER MAIN REPLACEMENT
PROFILE

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

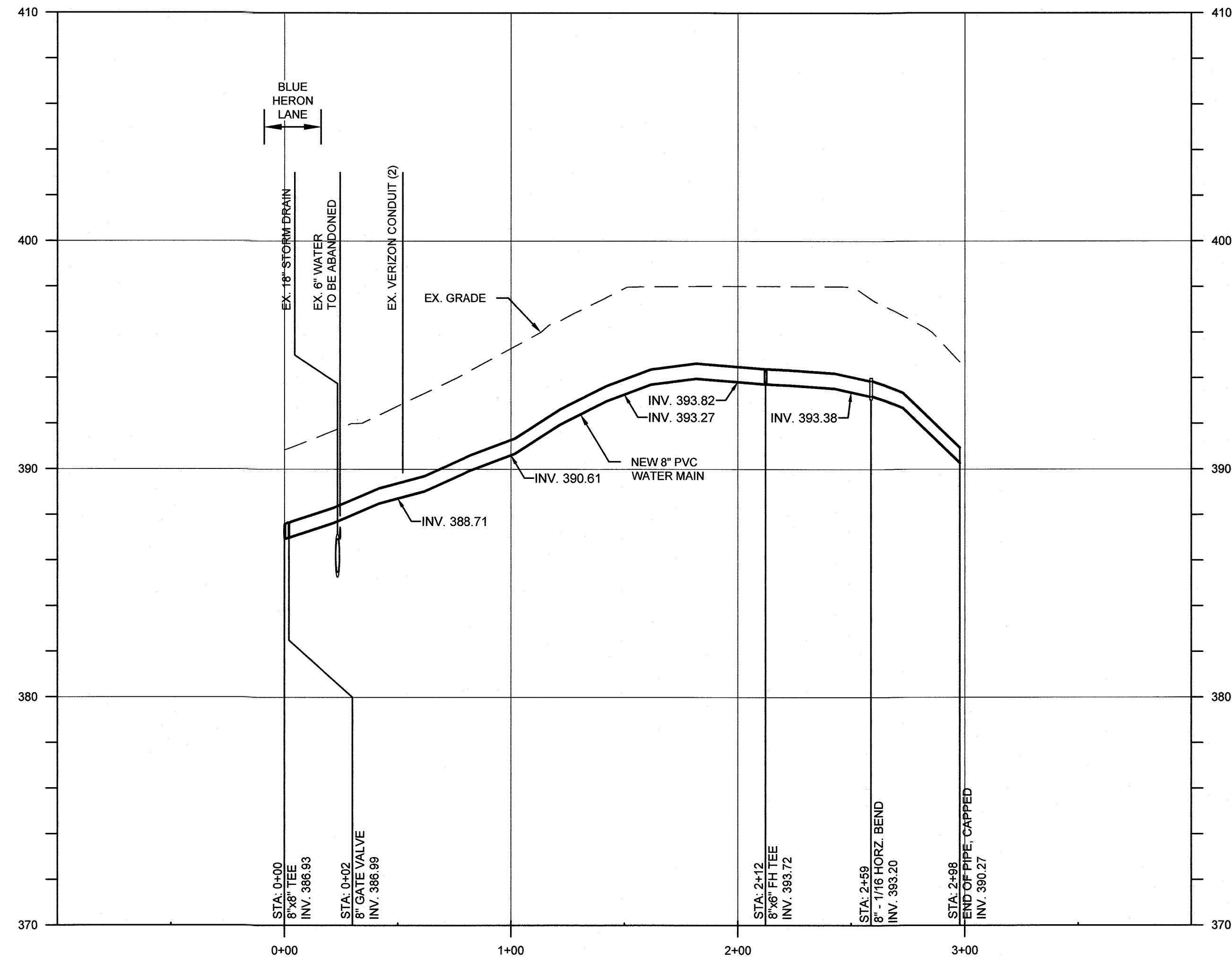
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

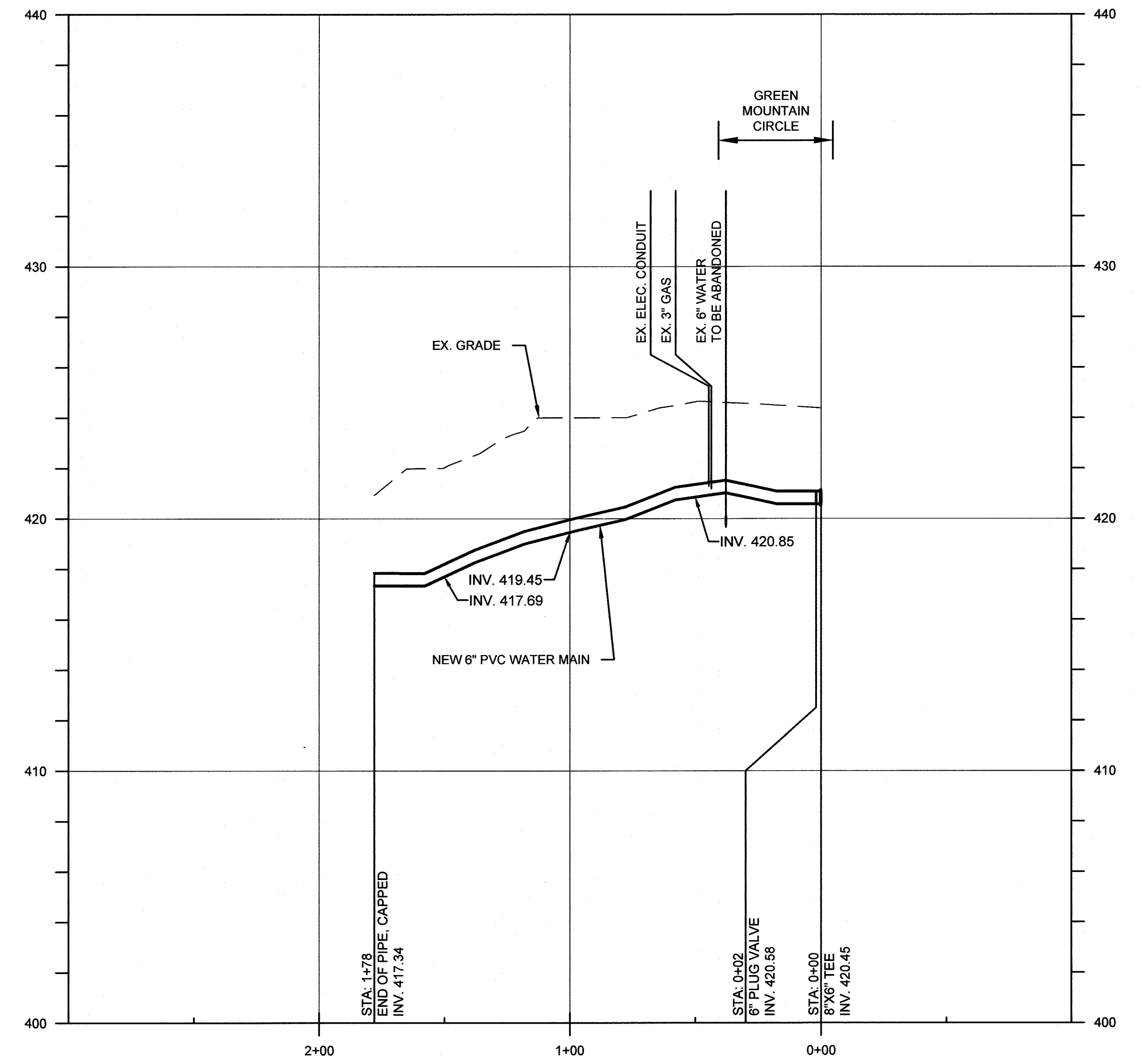
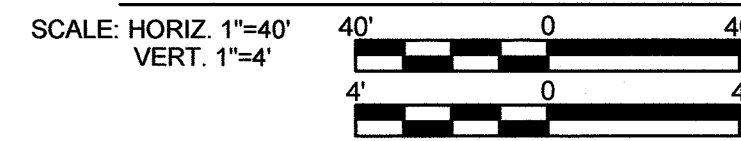
SCALE AS SHOWN

SHEET 30 OF 37

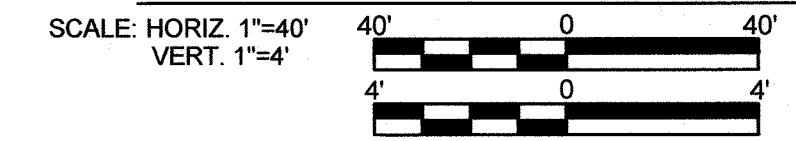
FILE NO. 69116-037



PROFILE - WILD TURKEY LANE



PROFILE - CULLEN TERRACE



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 10/25/21
CHIEF, UTILITY DESIGN DIVISION DATE

O BRIEN & GERE
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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[Seal of Joseph P. Conti]
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS
	BY	NO.	REVISION
			DATE: 08/21

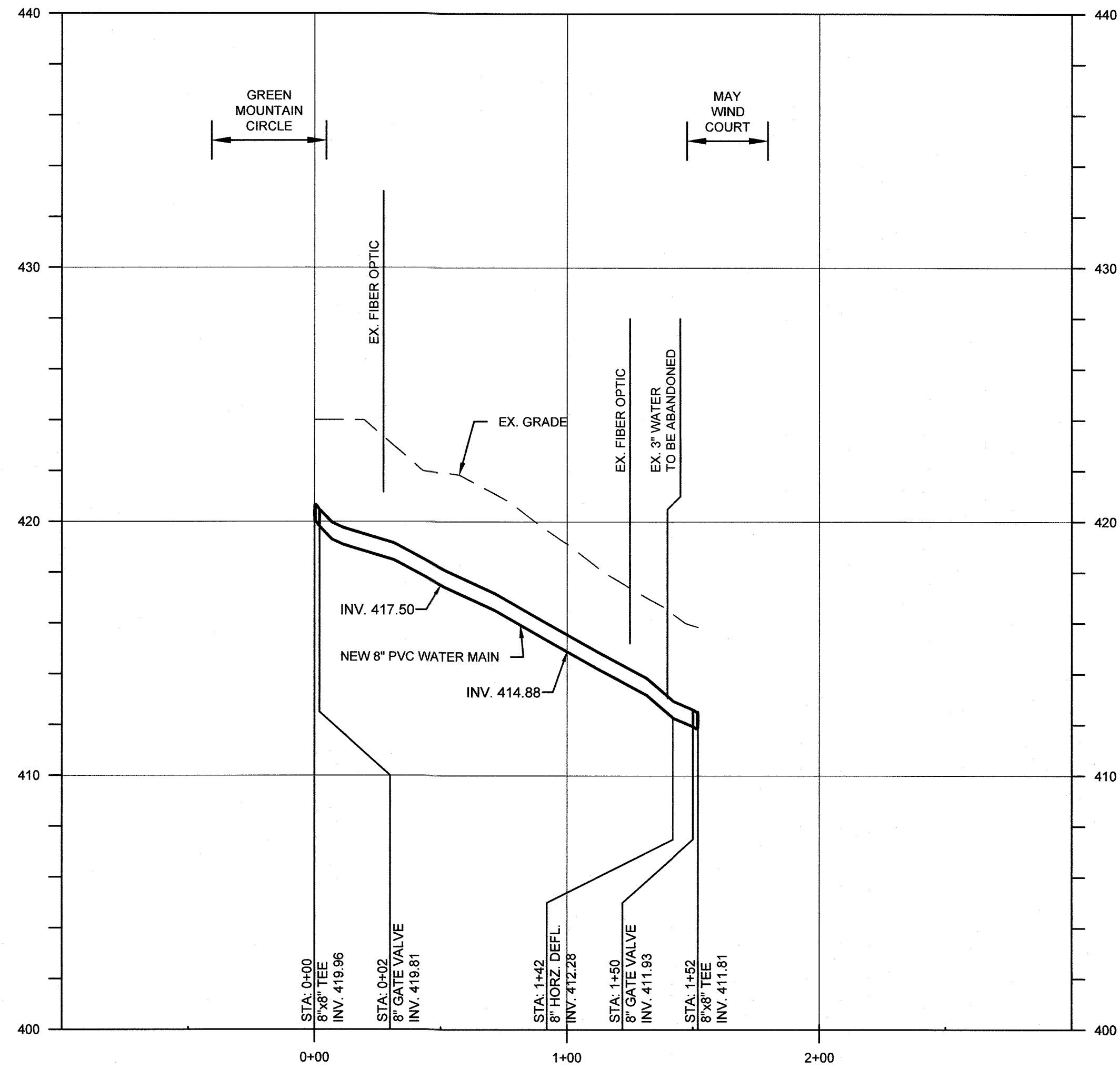
WILD TURKEY LANE,
CULLEN TERRACE
8", 6" WATER MAIN REPLACEMENT
PROFILES

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

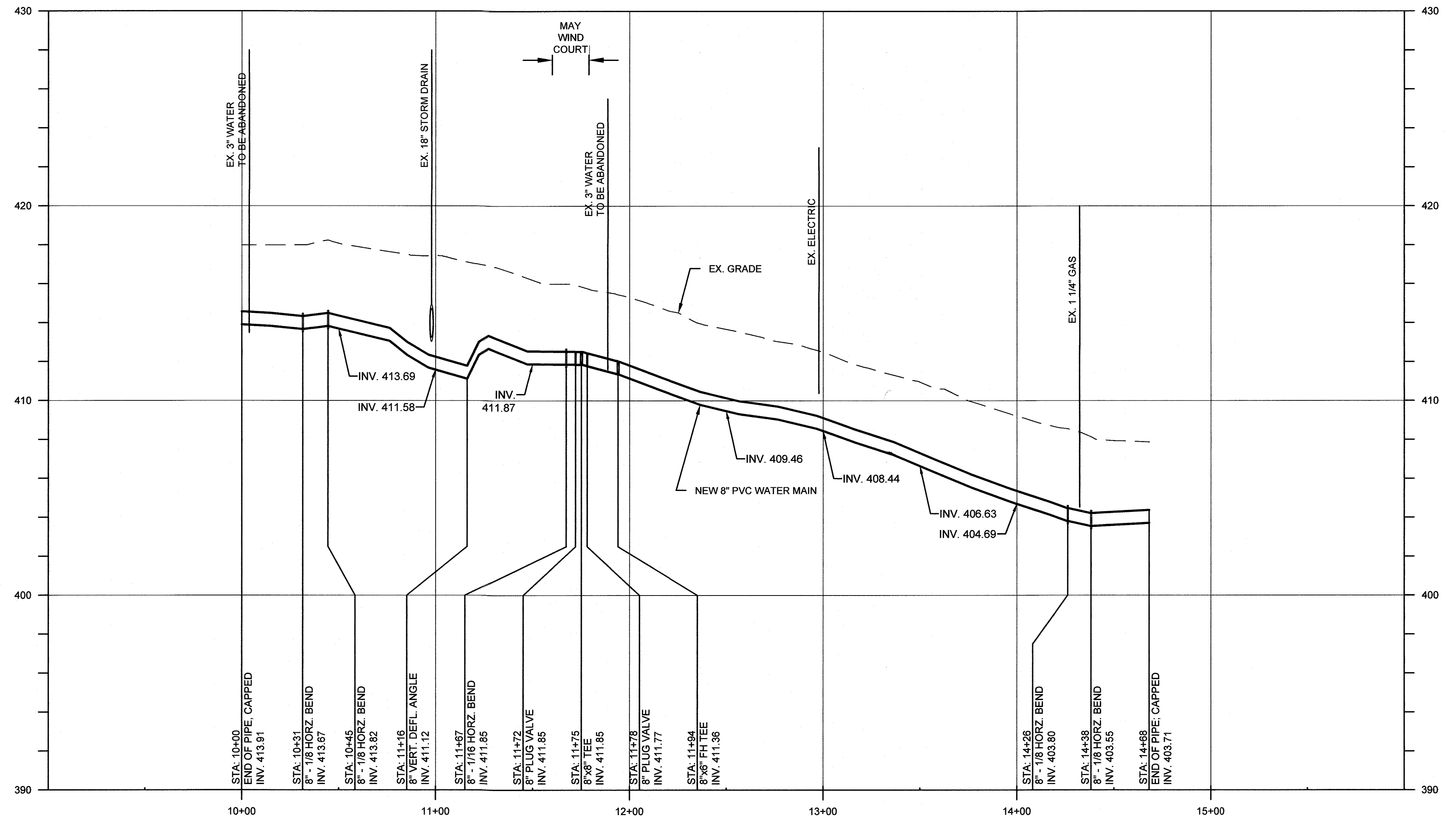
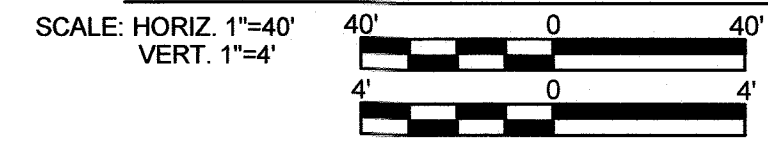
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

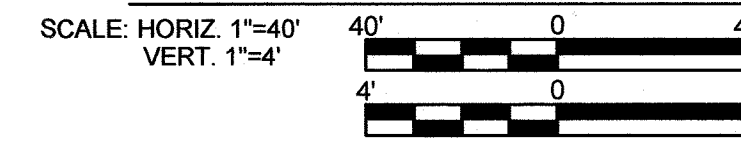
SCALE AS SHOWN
SHEET 31 OF 37



PROFILE - MAY WIND COURT 1



PROFILE - MAY WIND COURT 2



DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

M. Wilson
DIRECTOR OF PUBLIC WORKS
DATE: 11/5/2021

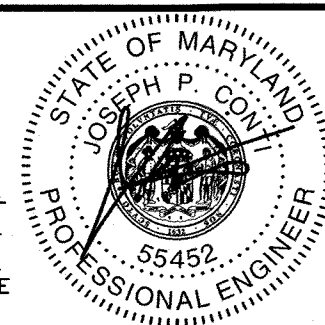
[Signature]
CHIEF, BUREAU OF ENGINEERING
DATE: 11-4-21

[Signature]
CHIEF, UTILITY DESIGN DIVISION
DATE: 10/29/2021



4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

PROFESSIONAL CERTIFICATION:
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DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS
	BY	NO.	REVISION
			DATE: 08/21

MAY WIND COURT
8" WATER MAIN REPLACEMENT
PROFILES

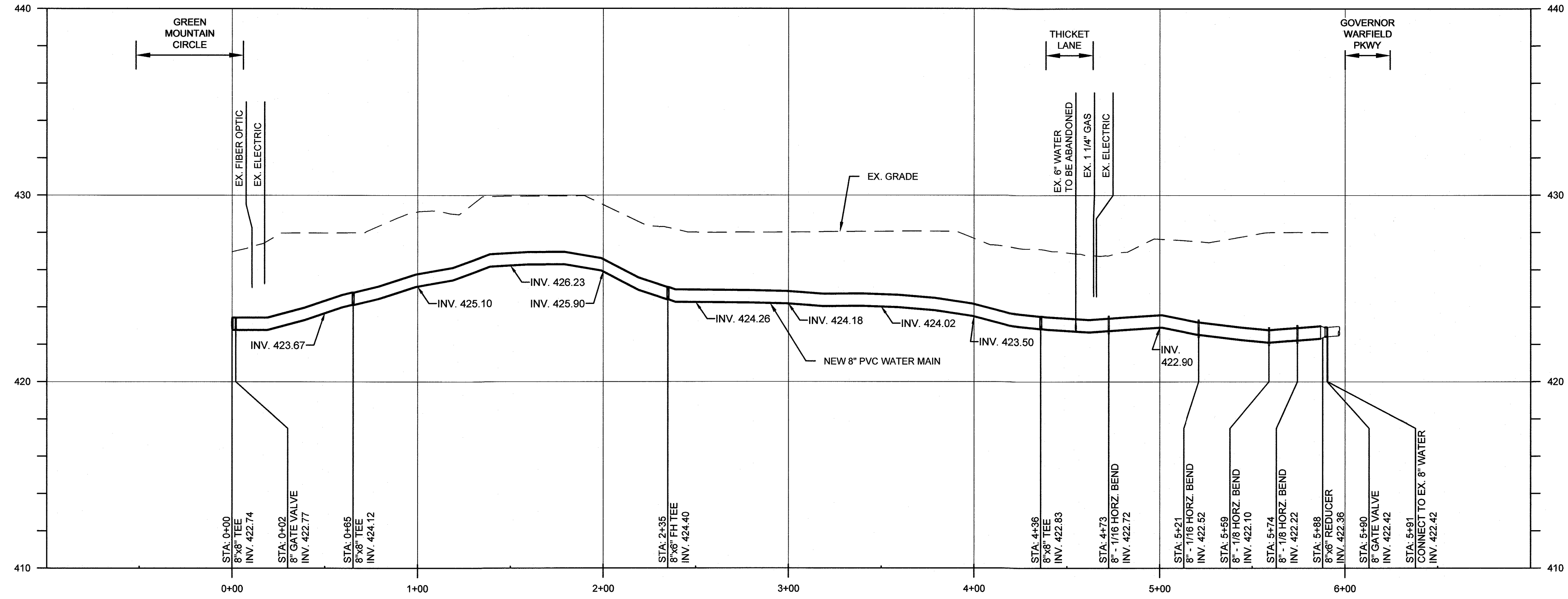
600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS

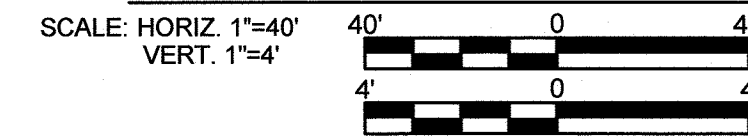
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 32 OF 37

RECORD DRAWINGS



PROFILE - THICKET LANE 1



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

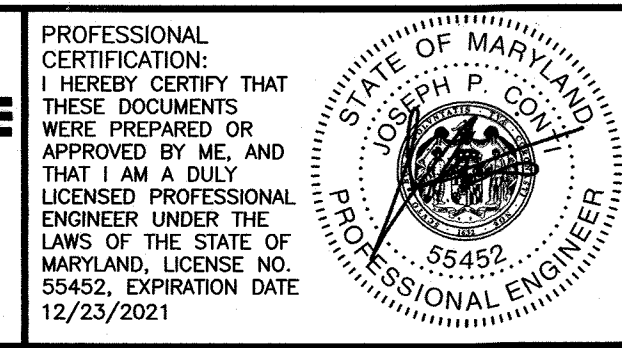
[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11-6-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 10/26/21
CHIEF, UTILITY DESIGN DIVISION DATE

G O'BRIEN & GERE

4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622



DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

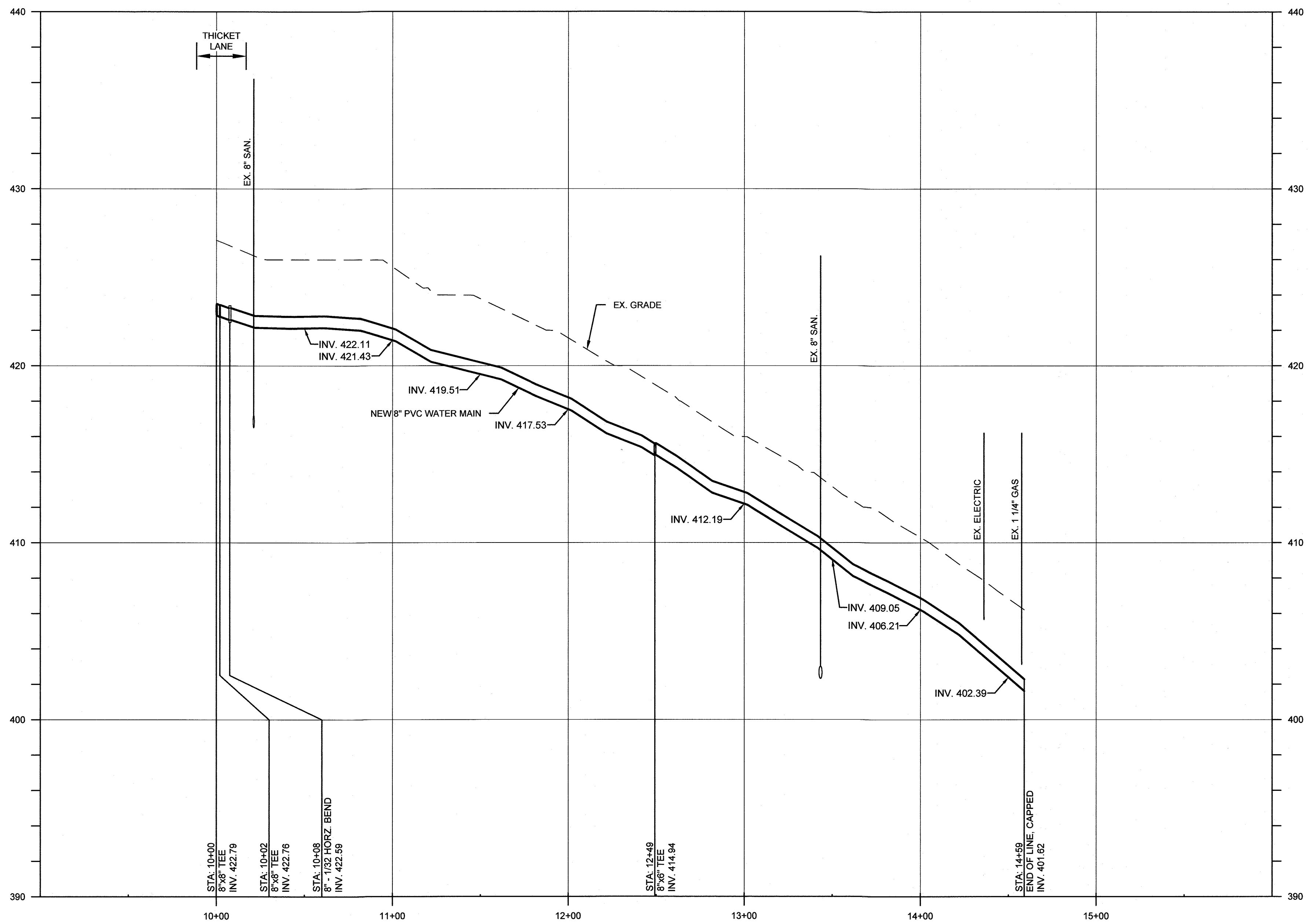
**THICKET LANE
8" WATER MAIN REPLACEMENT
PROFILE**

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

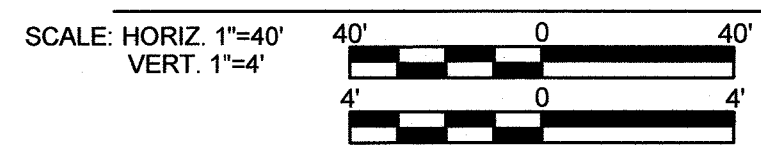
**WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS**

CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 33 OF 37



PROFILE - THICKET LANE 2



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

[Signature] 11/15/2021
 DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/15/2021
 CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/15/2021
 CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11/15/2021
 CHIEF, UTILITY DESIGN DIVISION DATE

O BRIEN & GERE

4201 MITCHELLVILLE ROAD
 SUITE 500
 BOWIE, MD 20716
 PHONE: 301-731-5622

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. 55452, EXPIRATION DATE 12/23/2021

STATE OF MARYLAND
 JOSEPH P. CONTI
 PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC	0	RECORD DRAWINGS
	BY	NO.	REVISION
			DATE: 08/21

THICKET LANE
 8" WATER MAIN REPLACEMENT
 PROFILE

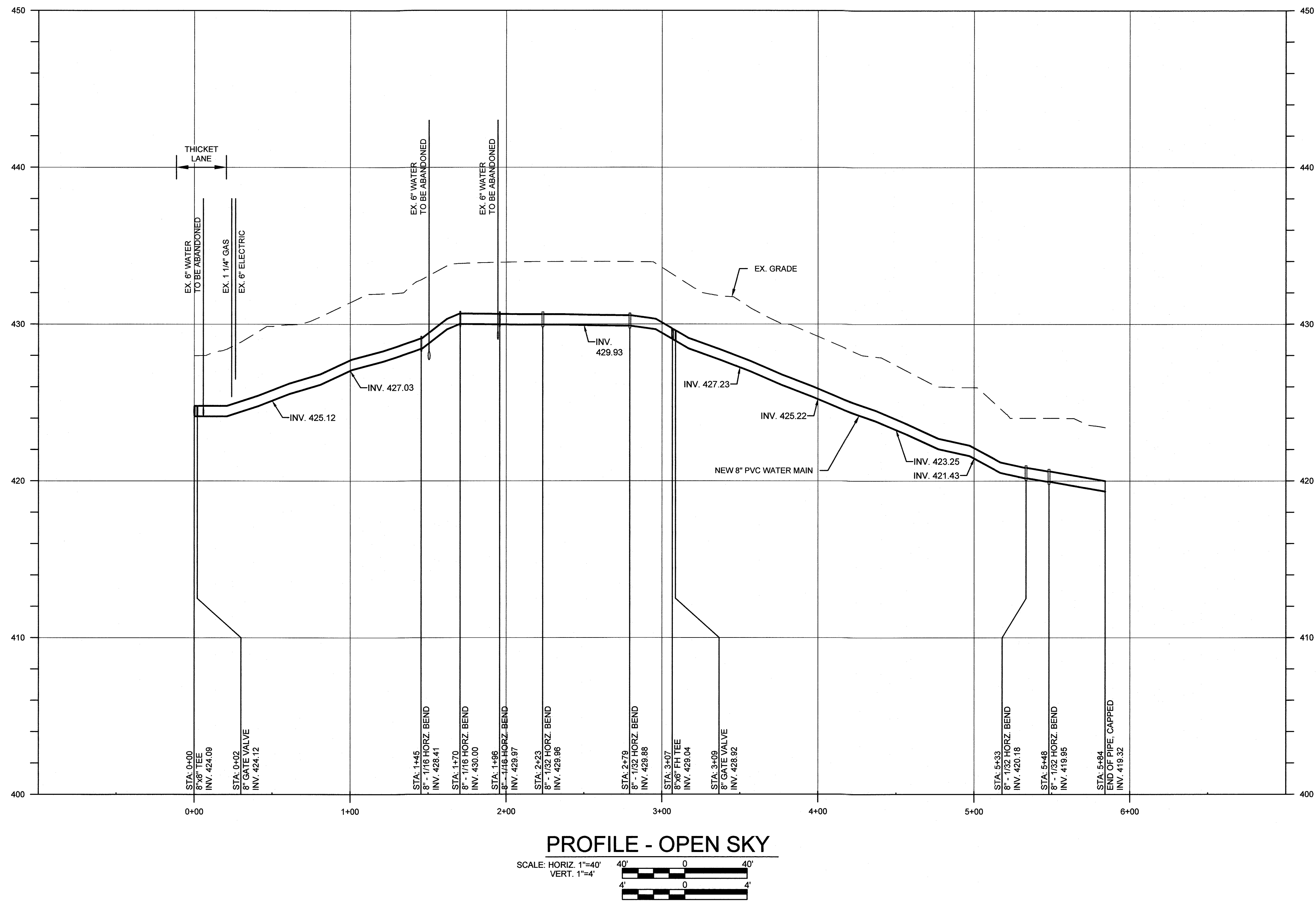
600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
 BRYANT WOODS

CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 34 OF 37



PROFILE - OPEN SKY
 SCALE: HORIZ. 1"=40'
 VERT. 1"=4'

RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

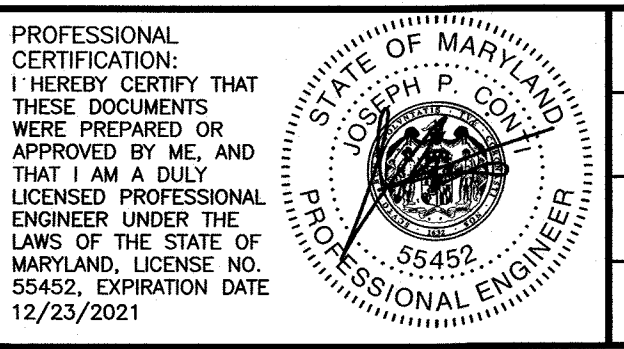
[Signature] 11/8/2021
 DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/8/2021
 CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/8/2021
 CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11/8/2021
 CHIEF, UTILITY DESIGN DIVISION DATE

O BRIEN & GERE
 4201 MITCHELLVILLE ROAD
 SUITE 500
 BOWIE, MD 20716
 PHONE: 301-731-5622



DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

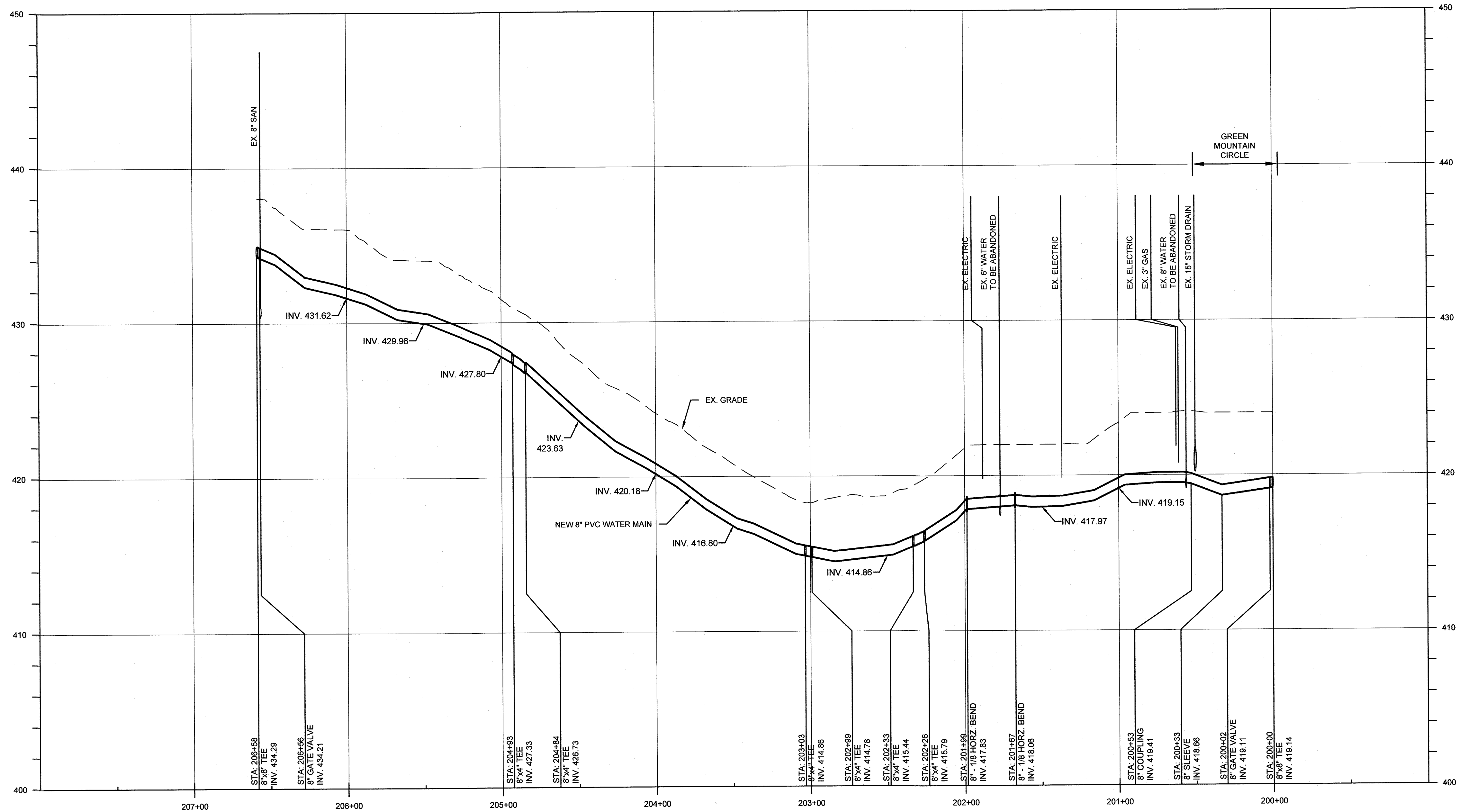
OPEN SKY
 8" WATER MAIN REPLACEMENT
 PROFILE

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

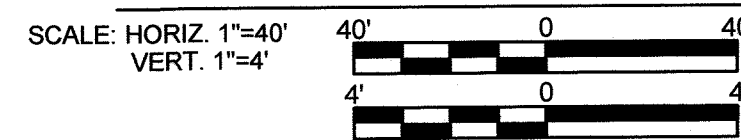
WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
 BRYANT WOODS

CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 35 OF 37



PROFILE - GREEN MOUNTAIN CIRCLE EXTENSION 1



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: *[Signature]* 11/8/2021
 Chief, Bureau of Engineering: *[Signature]* 11-11-21
 Chief, Bureau of Utilities: *[Signature]* 11/5/2021
 Chief, Utility Design Division: *[Signature]*

G O BRIEN & GERE
 4201 MITCHELLVILLE ROAD
 SUITE 500
 BOWIE, MD 20718
 PHONE: 301-731-5622

PROFESSIONAL CERTIFICATION:
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STATE OF MARYLAND
 JOSEPH P. COVATTA
 PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE				
DRN. BY: B. LEMMON				
CHK. BY: J. CONTI				
DATE: 04/18	JPC	0	RECORD DRAWINGS	08/21
	BY	NO.	REVISION	DATE

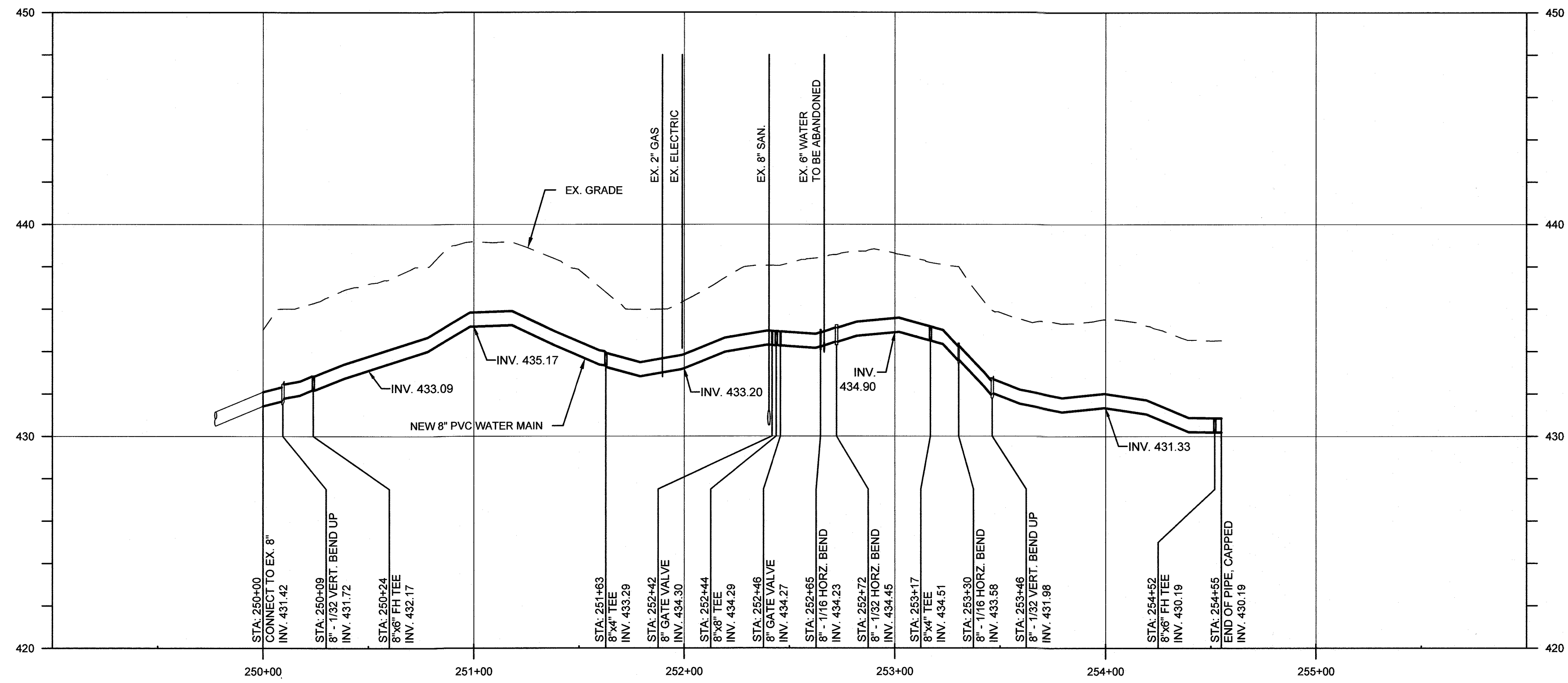
**GREEN MOUNTAIN CIRCLE
 8" WATER MAIN REPLACEMENT
 PROFILE**

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

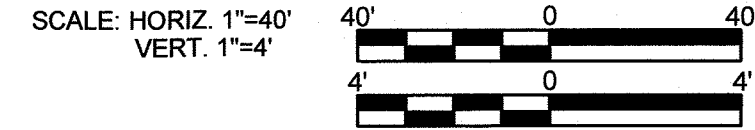
**WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
 BRYANT WOODS**

CAPITAL PROJECT: W-8322
 CONTRACT NO.: 44-5071
 ELECTION DISTRICT: 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 36 OF 37



PROFILE - GREEN MOUNTAIN CIRCLE EXTENSION 2



RECORD DRAWINGS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Meane 11/8/2021
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11-4-21
CHIEF, BUREAU OF ENGINEERING DATE

[Signature] 11/5/2021
CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11/29/2021
CHIEF, UTILITY DESIGN DIVISION DATE

G O'BRIEN & GERE
4201 MITCHELLVILLE ROAD
SUITE 500
BOWIE, MD 20716
PHONE: 301-731-5622

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STATE OF MARYLAND
JOSEPH P. CONTI
PROFESSIONAL ENGINEER

DSN. BY: C. PEARCE			
DRN. BY: B. LEMMON			
CHK. BY: J. CONTI			
DATE: 04/18	JPC 0	RECORD DRAWINGS	08/21
	BY NO.	REVISION	DATE

**GREEN MOUNTAIN CIRCLE
8" WATER MAIN REPLACEMENT
PROFILE**

600' SCALE MAP NO. 30 BLOCK NO. 1, 19, 24

WILDE LAKE 8-INCH WATER MAIN REPLACEMENT
BRYANT WOODS
CAPITAL PROJECT: W-8322
CONTRACT NO.: 44-5071
ELECTION DISTRICT: 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 37 OF 37
FILE NO. 69116-044